Hangar 1 Data Summary Submittal

Low Occupancy Area of Zone 1

Former Naval Air Station Moffett Field, California

prepared on behalf of
Planetary Ventures, LLC

prepared by
Rincon Consultants, Inc.

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Acronyms and Abbreviations

CCV	Continuing Calibration Verification
DQO	Data Quality Objective
DSS	Data Summary Submittal
DUA	Data Usability Assessment
Enthalpy	Enthalpy Analytical, LLC
EKI	EKI Environment & Water, Inc.
ft^2	Square Feet
LCS	Laboratory Control Spike
LCSD	Laboratory Control Spike Duplicate
LDC	Lab Data Consultants
McCarthy	McCarthy Building Companies, Inc.
MPC	Measurement Performance Criteria
NACE	National Association of Corrosion Engineers
NASA	National Aeronautics and Space Administration
NTCRA	Non-Time-Critical Removal Action
PCB	Polychlorinated Biphenyl
PV	Planetary Ventures, LLC
QA	Quality Assurance
QC	Quality Control
QL	Quantitation Limit
%D	Percent Difference
%R	Percent Recovery
Rincon	Rincon Consultants, Inc.
RPD	Relative Percent Difference
SOP	Standard Operating Procedure
SSPC	Society for Protective Coatings
UCL	Upper Confidence Limit
µg/100 cm^2	Micrograms per 100 Square Centimeters
µg/ft^2	Micrograms per Square Foot
UFP-QAPP	Uniform Federal Policy Quality Assurance Project Plan
U.S. EPA	United States Environmental Protection Agency
Water Board	San Francisco Bay Regional Water Quality Control Board

Executive Summary

Rincon Consultants, Inc. (Rincon) has prepared this Data Summary Submittal (DSS) on behalf of Planetary Ventures, LLC (PV) for the sampling and analytical activities associated with the abatement activities conducted within the low occupancy area of Zone 1 of Hangar 1 (Figure 1), located at the Former Naval Air Station Moffett Field, California. This work was conducted pursuant to the Agency-approved Final Hangar 1 Non-Time-Critical Removal Action (NTCRA) Work Plan. This DSS has been prepared to document achievement of the Cleanup Goals for the structural steel within the low occupancy area of Zone 1 of Hangar 1.

The National Association of Corrosion Engineers (NACE) inspections indicate that the polychlorinated biphenyls (PCBs) and lead impacted paint was successfully removed and the surface cleanliness goal has been met, as shown in Attachment 1, and the Data Usability Assessment (DUA) indicates that the collected confirmation wipe sampling data are suitable for comparison against the numerical Cleanup Goals. The 95-percent upper confidence limit (UCL) for the mean lead concentration in the 86 confirmation wipe samples collected from within the low occupancy area of Zone 1 was approximately 160 micrograms per square feet ($\mu g/ft^2$), which is below the numerical Cleanup Goal for lead (i.e., 250 $\mu g/ft^2$). The 95-percent UCL for the mean PCB concentration in the confirmation wipe samples was not calculated because PCBs were not detected above the laboratory quantitation limit of 1 microgram per 100 square centimeters (i.e., 1 $\mu g/100\ cm^2$) in any of the confirmation samples collected from within the low occupancy area of Zone 1.

Based on the NACE inspections and the PCB and lead confirmation wipe sampling results, the abated structure within the low occupancy area of Zone 1 is suitable for low occupancy use. Based on the findings presented herein, PV requests that the United States Environmental Protection Agency and San Francisco Bay Regional Water Quality Control Board provide concurrence that no further abatement is required for the low occupancy area of Zone 1.

1 Introduction

Rincon Consultants, Inc. (Rincon) has prepared this Data Summary Submittal (DSS) on behalf of Planetary Ventures, LLC (PV) to document attainment of the Cleanup Goals within the low occupancy area[1] of Zone 1 of Hangar 1 (Figure 1), located at Former Naval Air Station Moffett Field, California, conducted pursuant the Agency-approved[2] Final Hangar 1 Non-Time-Critical Removal Action (NTCRA) Work Plan (EKI, 2022). Additional details about the sampling procedures and analytical methods used in the collection of these samples are presented in the NTCRA Work Plan.

The NTCRA is currently being performed by PV on behalf of the National Aeronautics and Space Administration (NASA), the Responsible Party for Hangar 1, and is being conducted by McCarthy Building Company (McCarthy), which has been retained by PV. The United States Environmental Protection Agency (U.S. EPA) and the San Francisco Bay Regional Water Quality Control Board (Water Board) are the Regulatory Agencies with regulatory oversight during implementation of the NTCRA. Additional details about the removal action are presented in the NTCRA Work Plan (EKI, 2022).

This DSS has been prepared to document achievement of the Cleanup Goals for the structural steel within the low occupancy area of Zone 1 of Hangar 1 and includes:

(1) The National Association of Corrosion Engineers (NACE) inspection reports documenting the removal of all visible paint from the abated surfaces and achievement of a NACE #3/Society for Protective Coatings (SSPC) SP-6 Surface Cleanliness Standard (Attachment 1);
(2) The tabulated confirmation wipe sampling results for the validated data (Attachment 2);
(3) The final laboratory analytical reports for the confirmation wipe samples and field quality control (QC) samples (Attachment 3);
(4) The input and output files for the calculated 95-percent upper confidence limit (UCL) for the mean concentration of lead in the confirmation wipe samples (Attachment 4); and,
(5) The data validation reports prepared by Lab Data Consultants (LDC) (Attachment 5).

In addition to the information above, this DSS includes the final laboratory analytical reports for the clearance wipe samples collected from Enclosures A, B, C, and D,[3] and a table summarizing these results (Attachment 6).

[1] The low occupancy area of Zone 1 includes the entirety of Enclosure D, as well as the areas higher than 55-feet above the hangar floor in Enclosures A, B, and C.

[2] The NTCRA Work Plan was approved by the Agencies on March 4, 2022.

[3] Clearance wipe samples from Enclosures A, B, and C were collected from both the high and low occupancy areas of the enclosures.

2 Attainment of Cleanup Goals

In accordance with Section 5.1 of the NTCRA Work Plan, the Cleanup Goals for non-porous surfaces are as follows.

Substrate	Chemicals	Elements	Cleanup Goals
Non-Porous Surfaces	• PCBs • Lead	• Visual Inspection by qualified NACE/SSPC surface coating inspector	• No visible paint remains • Achievement of NACE #3/SSPC SP-6 surface preparation and visible cleanliness standard
		• Collection and analysis of wipe confirmation samples	• PCBs: ≤100 micrograms per 100 square centimeters (µg/100 cm^2) • Lead: <250 micrograms per square foot (µg/ft^2)

The numerical Cleanup Goal is that the 95-percent UCL of the mean concentration of PCBs and lead in the confirmation wipe samples are below the indicated levels. In addition, the NTCRA Work Plan requires that no single confirmation wipe sample result exceeds 5-times the Cleanup Goal and that no more than 10-percent of the confirmation wipe sample results exceed 3-times the Cleanup Goal.

The visual inspection (Section 2.1) and confirmation wipe sampling (Section 2.2) results indicate that the Cleanup Goals have been met and no additional abatement is necessary within the low occupancy area of Zone 1.

2.1 Visual Inspections

In accordance with the NTCRA Work Plan, following completion of abatement and cleaning activities[4] and prior to the collection of confirmation wipe samples, a qualified NACE inspector inspected the surfaces for the presence of visible paint and the achievement of a NACE #3/SSPC SP-6 surface cleanliness standard.

Within the low occupancy area of Zone 1, the qualified NACE inspector confirmed that all visible paint had been removed from the abated surfaces and that the abated surfaces achieved a NACE #3/SSPC SP-6 surface cleanliness standard or better. The NACE inspection reports are included in Attachment 1.[5]

2.2 Confirmation Wipe Sampling Results

In accordance with the NTCRA Work Plan, following confirmation that the non-porous surfaces met NACE #3/SSPC SP-6 surface preparation and visual cleanliness standard, confirmation wipe samples were collected for comparison to the numerical Cleanup Goals for PCBs and lead.

[4] Abatement in Zone 1 was completed on August 18, 2022.

[5] The Zone and Enclosure, as well as the scaffolding levels that correspond with wipe sample locations are provided within the header and/or notes sections of the NACE inspection reports.

2.2.1 Initial Abatement and Sampling Efforts

A total of 204 confirmation wipe samples[6] were collected from the low occupancy area of Zone 1, including all QC samples, i.e., media blank samples and field duplicate samples. Of the 204 confirmation wipe samples and associated QC samples, 102 were lead wipe samples and 102 were PCB wipe samples, including:

- Eighty-six (86) lead confirmation wipe samples, and 86 PCB confirmation wipe samples;
- Six lead media blank samples and six PCB media blank samples; and,
- Ten lead duplicate confirmation wipe samples and ten PCB duplicate confirmation wipe samples.

The tabulated confirmation wipe sampling and QC results, with both laboratory and data validation flags are included in Attachment 2. The laboratory analytical reports for confirmation wipe samples and QC samples are included in Attachment 3. Based on the data validation reports (Attachment 5), QC samples, and the data useability assessment (Section 3), the validated confirmation wipe sampling data (Attachment 2) are considered suitable for comparison to the numerical Cleanup Goals.

2.2.2 Re-Abatement and Re-Sampling Efforts

Due to high lead concentrations in the original confirmation wipe samples collected from some areas within the low occupancy area of Zone 1, these areas were re-abated, re-cleaned, and re-sampled. Specific details regarding these locations are presented below. As PCBs were not detected in any of the confirmation wipe samples, re-abatement due to elevated PCB concentrations was not necessary.

Within Zone 1 Enclosure D, lead was detected in one sample and one duplicate sample at concentrations exceeding 3-times the Cleanup Goal at two sampling locations (i.e., ARCH-C1W-INT-2.5 TO 3.5-220721-WF [910 µg/ft^2] and DOOR-N-0.9-GW-EXT-9 TO 10-220721-CB-DUP [1,100 µg/ft^2]). Although the reported concentrations were not greater than 5-times the Cleanup Goal for lead, and less than 10-percent of the analytical results were greater than 3-times the Cleanup Goal, Certified Coatings Company (CCC) and McCarthy opted to re-abate these areas. The approximately 2,000 square foot areas represented by each of these sample locations (for a total of 4,000 square feet) were re-abated, re-cleaned and re-sampled, which resulted in the collection of two additional lead samples and one additional duplicate lead sample. Lead concentrations in the confirmation wipe samples collected following re-abatement were 70 µg/ft^2 and 14 µg/ft^2, respectively.

Within the low occupancy portion of Enclosure B, lead was detected at concentrations higher than the Cleanup Goal but less than 3-times the Cleanup Goal at two locations (i.e., DOOR-N-0.7GW-PS-19-220805-G [680 µg/ft^2] and DOOR-N-0.7GE-PS-19-220805-G [650 µg/ft^2]). Following re-abatement and re-cleaning, two additional confirmation wipe samples were collected for lead and the reported lead concentrations in the re-abated areas were 4.2 µg/ft^2 and 4.6 µg/ft^2, respectively.

2.2.3 Evaluation of the Confirmation Wipe Sampling Data

All PCB confirmation wipe sample results were below the laboratory quantitation limit (QL) of 1.0 µg/100 cm^2 for all of the PCBs analyzed; therefore, none of the PCB sample results exceeded the Cleanup Goal for the low occupancy area of ≤100 µg/100 cm^2.

Following re-abatement, re-cleaning, and re-sampling activities, a total of 10 of the lead confirmation wipe samples collected, or 11-percent, exceeded the Cleanup Goal of <250 µg/ft^2; however, none of these samples exceeded 3 or 5-times the Cleanup Goal.

[6] Wipe samples from areas that were re-abated and re-sampled are not included in this total count and are discussed in Section 2.2.2.

Rincon calculated the 95-percent UCL for the mean lead concentration in the confirmation wipe samples using Version 5.2 of the ProUCL program (U.S. EPA, 2022). The 95-percent UCL of the mean lead concentration was calculated using all lead confirmation wipe samples; the results for the media blank samples, the lower of the duplicate sampling results, and the original results from locations that were re-abated and re-sampled were not included in the calculation of the 95-percent UCL. The 95-percent UCL input and output files are included in Attachment 4. As seen in Table 1 the 95-percent UCL of the mean lead concentration (i.e., 160 µg/ft^2) in the confirmation wipe samples is below the Cleanup Goal. The 95-percent UCL of the mean PCB concentration was not calculated because PCBs were not detected above laboratory QLs in any of the confirmation wipe samples collected.

Table 1 95-Percent UCL for Confirmation Wipe Samples

Analyte	Method	Cleanup Goal	95% UCL
Lead	US EPA Method 3050M/6010B	<250 µg/ft^2	160 µg/ft^2
PCB	US EPA Method 8082	≤100 µg/100 cm^2	--[a]

Notes:
[a] The 95-percent UCL was not calculated for PCBs because all analytical results were below laboratory QLs.

3 Data Usability Assessment

This section summarizes Rincon's review of the data validation reports prepared by LDC for the confirmation wipe samples (Attachment 5). It also reviews field documentation and procedures for compliance with sampling procedures included in the Uniform Federal Policy Quality Assurance Project Plan (UFP-QAPP) as well as the number of samples and field QC samples to confirm they are consistent with frequencies included in the UFP-QAPP.

Based on this data usability assessment, the validated confirmation wipe sampling data are considered suitable to assess whether the 95-percent UCL of the mean concentrations of lead and PCBs in the confirmation wipe samples are less than the numerical Cleanup Goals.

3.1 Data Verification

At the end of each day, Rincon personnel verified that appropriate field records were present and complete for each specific activity conducted. In addition, Rincon personnel verified that all of the planned samples, including field QC samples, were collected and adequately documented. The Rincon Data Manager verified that all changes/exceptions to the scope of work were documented and reported appropriately in Biweekly Reports prepared during abatement activities. Chain-of-custody forms were reviewed on a daily basis by the Rincon Data Manager to confirm that each form was filled out appropriately, and that all required samples, signatures, and dates were present.

A field audit, which included a review of the field sampling protocols, was conducted on June 30, 2022. Rincon's field manager observed field personnel conducting field sampling activities to confirm that all activities were conducted in accordance with the SOPs developed for field sampling activities associated with the NTCRA.[7] The results of the field audit indicated that the field activities being conducted at Hangar 1, including confirmation wipe sampling activities, were being conducted in accordance with the NTCRA Work Plan as well as the SOPs developed for field activities associated with the NTCRA.

Field QC samples were collected in accordance with the UFP-QAPP. A summary of the total number of samples and field QC samples is provided for lead and PCBs in Table 2 and Table 3, respectively.

Table 2 Lead Wipe Sample Summary

	No. of Lead Confirmation Wipe Samples	**No. of Field Duplicates or Frequency**	**No. of Media Blanks or Frequency**
Required frequency per UFP-QAPP Worksheet #20-2	1 sample per every 2,000 ft^2 of abated steel	10%	5%
Anticipated Number of Samples	73 [a]	8 [10%]	4 [5%]
Actual Square Footage within the Low Occupancy Area of Zone 1	167,164 ft^2		
Initial Samples Collected	86	10	6
Actual Frequency	1 sample per 1,900 ft^2 of abated steel	11.6%	6.9%
Re-Abatement Samples Collected	4	1	--
Notes: [a] Original sample counts included in the UFP-QAPP were based on an estimated surface area of 145,000 ft^2 of steel.			

[7] For more information, please refer to the Biweekly Report for the period ending on July 1, 2022.

Table 3 PCB Wipe Sample Summary

	No. of PCB Confirmation Wipe Samples	No. of Field Duplicates or Frequency	No. of Media Blanks or Frequency
Required frequency per UFP-QAPP Worksheet #20-2	1 sample per every 2,000 ft^2 of abated steel	10%	5%
Anticipated Number of Samples	73 [a]	8 [10%]	4 [5%]
Actual Square Footage within the Low Occupancy Area of Zone 1	167,164 ft^2		
Samples Collected	86	10	6
Actual Frequency	1 sample per 1,900 ft^2 of abated steel	11.6%	6.9%
Notes: [a] Original sample counts included in the UFP-QAPP were based on an estimated surface area of 145,000 ft^2 of steel.			

Confirmation lead and PCB wipe samples were collected at a rate of approximately one sample per 1,900 square feet (ft^2) of abated steel (i.e., a slightly greater frequency than described in Worksheet #20-2 of the UFP-QAPP). The number of media blank samples and field duplicate samples was slightly greater than the number described in Worksheet #20-2 of the UFP-QAPP.

One additional lead duplicate field sample was collected during re-abatement activities as described in Section 2.2.2.

3.2 Data Validation

LDC conducted data validation on the analytical laboratory reports for the confirmation wipe samples collected, which included a review of chain-of-custody forms and laboratory deliverables. Stage 3 validation was conducted on 62 samples and Stage 2A validation was conducted on the remaining 142 samples (Attachment 5).

Based on LDC's review of the analytical laboratory reports and their supporting data,[8] the results for several samples were qualified using flags (Attachment 5); however, none of the analytical results were rejected. See Section 3.3.1, Section 3.4, and Attachment 5 for additional details.

3.3 Data Precision

Data precision is a quantitative measure of the variability of a group or data compared to their average value. Precision is stated in terms of relative percent difference (RPD) for pairs of data or relative standard deviation for larger groups of data. Below is a discussion of the data precision evaluation conducted on the confirmation wipe samples collected.

[8] The data validation reports indicate that the required laboratory analytical QC samples analyzed for each batch of samples align with Worksheet #28 of the UFP-QAPP.

3.3.1 Laboratory Duplicate Samples

A summary of laboratory duplicate samples is presented in Table 4.

Table 4 Laboratory Duplicate Sample Summary

Laboratory QC Sample	No. of Lab QC Samples Analyzed	MPC	No. of Lab QC Samples Exceeding MPC	Percentage of Laboratory QC Samples that Exceeded the MPC
LCS/LCSD - Lead	13	RPD ≤20%	0	0%
LCS/LCSD - PCB	10	RPD ≤20%	1	10%

Notes:
LCS: Laboratory Control Spike
LCSD: Laboratory Control Spike Duplicate

Laboratory duplicate samples were analyzed at the required frequency outlined in the Worksheet #28 of the UFP-QAPP (i.e., at least one laboratory control spike [LCS]/laboratory control spike duplicate [LCSD] pair per 20 samples or per batch if less than 20 samples). All of the lead duplicate sample pairs met the Measurement Performance Criteria (MPC) outlined in the UFP-QAPP.

Of the PCB laboratory duplicate sample pairs, the RPD for Aroclor 1016 in one sample pair did not meet the MPC of having an RPD ≤20 percent. As a result, data qualifiers (i.e., "UJ" flags) were applied to Aroclor 1016, 1221, and 1232 results for the confirmation wipe samples associated with this lab QC sample (i.e., all PCB samples from SDG# 465031 and 465035). While the variability in the laboratory's precision for Aroclor 1016 was greater than the MPC in the one LCS/LCSD sample pair (i.e., 10 percent of the LCS/LCSD sample pairs), this variability did not adversely affect the confirmation wipe sampling data as no Aroclors were not reported at concentrations above the laboratory analytical reporting limit (i.e., 1.0 µg/100 cm^2) in any of the confirmation wipe samples associated with these LCS/LCSD results.

3.3.2 Field Duplicate Samples

A summary of field duplicate samples is provided in Table 5.

Table 5 Field Duplicate Sample Summary

Analyte – Sample Type	No. of Field Duplicate Samples Collected	MPC	No. of Field Duplicate Samples in Exceedance of the MPC	Percentage of Field Duplicate Samples that Exceeded the MPC
Lead – Wipe	10 [a]	RPD ≤100%	1	10% [b]
PCB – Wipe	10	RPD ≤100%	-- [b]	-- [b]

Notes:
[a] Original field duplicate wipe samples from areas that were re-abated and re-sampled are not included in the total number of field duplicate samples collected.
[b] In accordance with the UFP-QAPP, RPDs were not calculated for duplicate samples where the analyte is less than the QL in one or both samples.

PCBs were not detected above laboratory QLs in any of the duplicate samples collected and as a result, RPDs could not be calculated.

The lead field duplicate samples met the MPC outlined in the UFP-QAPP for 9 of the 10 field sample pairs (i.e., 90 percent); the agreement between results of the original sample and the duplicate sample indicate that the cleaning procedures used prior to sampling were implemented consistently throughout the abated area and that the field sampling was conducted in a reproducible manner. While RPD for the field duplicate sample pair that exceeded the MPC was 117-percent, to be conservative, the highest of the duplicate sample pair results was used in the calculations of the 95-percent UCL.

3.4 Data Accuracy/Bias

Data bias may result from systematic analytical error and is evaluated based on laboratory spike results for routine QC samples prepared and analyzed by the analytical laboratory.[9] Data accuracy is a measure of the overall agreement with a known value and includes a combination of random error and systematic error, with both parameters potentially resulting from analytical error. Data accuracy is evaluated using laboratory QC samples.

3.4.1 Laboratory QC Samples

A summary of the laboratory QC samples is provided in Table 6.

Table 6 Laboratory QC Sample Summary

Laboratory QC Samples	No. of Samples Analyzed	MPC	No. of Samples Outside of the MPC	Percentage of Samples that do not meet MPC
Lead LCS and LCSD	26	%R 80-120%	0	0%
Lead Method Blank Samples	13	<QL	0	0%
PCB LCS and LCSD	20	%R 60-140%	1	5%
PCB Method Blank Samples	10	<QL	0	0%

All of the laboratory QC samples for lead confirmation wipe samples met the MPC outlined in the UFP-QAPP. One of the PCB laboratory QC samples (i.e., one LCSD sample with a recovery rate of 57-percent) was below the percent recovery (%R) MPC outlined in the UFP-QAPP. Low recoveries indicate that the reported results may be biased low. Nevertheless, based on the magnitude of the low LCSD recovery, the fact that the recovery for the LCS sample corresponding to the LCSD sample with low recovery was within the MPC, the fact that PCBs were not reported in any of the samples associated with this LCSD sample at concentrations above the laboratory analytical reporting limit of 1 µg/100 cm^2, and that the laboratory analytical reporting limit is two orders of magnitude lower than the Cleanup Goal for PCBs, it is unlikely that PCB concentrations in any of the samples associated with this LCSD sample exceeded the numerical Cleanup Goals. Data qualifiers (i.e., "UJ" flags) were applied to Aroclor 1016, 1221, and 1232 results in cases where low LCSD recovery was observed (i.e., all PCB samples from SDG# 465031 and 465035). "UJ" flags indicate the compound or analyte was analyzed but not detected and the sample detection limit is an estimated value.

A continuing calibration verification (CCV) standard is a mid-level standard analyzed during and/or at the end of an analytical batch. CCV verifies that the instrument has not drifted from the initial calibration response and is only assessed during the Stage 3 data validation process. The percent difference (%D) measured during CCV in one sample exceeded the MPC of ≤20% for Aroclors 1260, 1248, 1254, 1262, and 1268 (SDG# 467767, 467769, and 467771). Data qualifiers (i.e., "UJ" flags) were applied to the affected Aroclors for each sample where the %D exceeded the MPC of ≤20%, as shown in Attachment 2.

3.4.2 Laboratory Surrogate Spikes

PCB samples are spiked with two surrogates during analysis, Tetrachloro-m-xylene (TCMX) and Decachlorobiphenyl (DCB). The %R for both surrogates is recorded during analysis and indicates analytical method performance with each sample.

One of the PCB confirmation wipe samples (i.e., ARCH-C1E-EXT-3 TO 4-220721-WF) had a TCMX recovery higher than the laboratory defined limits. Additionally, six of the PCB confirmation wipe

[9]As indicated in the UFP-QAPP, matrix spike and matrix spike duplicate samples are not prepared and analyzed for wipe samples. .

samples (i.e., DOOR-N-0.5GW-EXT-9 TO 10-220721-CB, DOOR-N-0.8GE-DG-10 TO 24-220721-G, DOOR-N-0.1GE-PS-23-220721-LA, ARCH-C1E-EXT-3 TO 4-220721-WF, 220721-MEDBLANK, and ARCH-C1E-INT-2.5 TO 3.5-220721-WF) had a DCB recovery higher than the laboratory defined limits. High surrogate recovery indicates that the analytical results may be biased high. The fact that PCBs were not reported for the affected samples above the laboratory analytical reporting limit and that the laboratory analytical reporting limit is two orders of magnitude lower than the Cleanup Goal for PCBs, it is unlikely that PCB concentrations in the affected samples exceeded the numerical Cleanup Goals. No flags were applied to the affected samples.

Two PCB confirmation wipe samples (i.e., DOOR-N-0.3GW-DG-11 TO 25-220628-LA and DOOR-N-0.5GE-INT-25 TO 26-220628-CB) had a DCB recovery lower than the laboratory defined limits. Low surrogate recovery indicates that the analytical results may be biased low. The fact that PCBs were not reported for the affected sample above the laboratory analytical reporting limit and that the laboratory analytical reporting limit is two orders of magnitude lower than the Cleanup Goal for PCBs, it is unlikely that PCB concentrations in the affected samples exceeded the numerical Cleanup Goals. Data qualifiers (i.e., "UJ" flags) were applied to all Aroclor results in confirmation wipe samples with low surrogate recoveries (i.e., two samples from SDG# 465031).

3.4.3 Field QC Samples

A summary of the field media blank samples is provided in Table 7.

Table 7 Field QC Sample Summary

Laboratory QC Samples	No. of Samples Analyzed	MPC	Percentage of Samples that do not meet MPC
Lead Media Blank Samples	6	<QL	66.7%
PCB Media Blank Samples	6	<QL	0%

Lead was detected above the laboratory QL in four of the six media blank samples collected. As discussed in the Data Summary Submittal for the High Occupancy Area of Zone 1 (Rincon, 2023), the lead reported in the media blank samples is likely a result of low concentrations of lead dust that are known to be in the air following abatement and cleaning activities within the enclosures as opposed to lead contamination in the wipe sampling media.[10] A data qualifier (i.e., a "U" flag) was applied to one lead result that was less than 5-times the concentration of lead detected in the media blank sample (i.e., in the case of DOOR-N-0.4GE-PS-20-220822-G). PCBs were not detected above laboratory QLs in any of the media blank samples.

[10] Because lead was detected in personal air samples that were collected during NACE inspection and confirmation wipe sampling activities, it is understood that lead dust remains suspended in the air throughout such activities and is anticipated to contribute small to negligible concentrations of lead to confirmation wipe samples. NACE inspectors, Rincon, and any other trades that may enter the structure before it is pressure washed are required to wear half-face respirators with P100 filters, which protects these personnel from potential exposures to the residual concentrations of lead containing dust that may be present in the air within the enclosures.

3.5 Summary of Representativeness, Completeness, and Comparability

3.5.1 Representativeness

Representativeness is a qualitative measure that expresses the degree to which data accurately and precisely represent a characteristic of a population, parameter variations at the sampling point, a process condition, or an environmental condition.

A field audit, which included a review of the field sampling protocols, was conducted on June 30, 2022. Sample collection and analysis was performed in compliance with the field and laboratory SOPs included in the UFP-QAPP for the collection and analysis of lead and PCB confirmation wipe samples. All confirmation wipe samples were analyzed within acceptable sample hold times and all field and laboratory personnel adhered to the appropriate sample handling and storage requirements outlined in the UFP-QAPP. The data are therefore considered representative of the samples collected.

3.5.2 Completeness

A summary of the completeness of the confirmation wipe samples is summarized in Table 8.

Table 8 Completeness for Confirmation Wipe Samples

Analyte – Sample Type	Total No. of Samples	Usable Results (%)	Unusable Results (%)	% Completeness - MPC
Lead – Wipe	102	100%	0%	>90%
PCB – Wipe	102	100%	0%	>90%

Completeness is a measure of the amount of valid data obtained from a measurement system compared to the total number of measurements necessary to achieve Data Quality Objectives (DQOs) at a specified level of confidence. After data validation, the percent completeness is calculated by dividing the number of samples with valid data by the number of samples collected. Valid data includes both unqualified data that passes all QC criteria and qualified data that did not pass the QC criteria but was not flagged for rejection.

As described in Sections 3.3.1, 3.4.1, and 3.4.2, data qualifiers were applied to some of the data. These data qualifiers were determined not to affect the ability to compare confirmation wipe sample data to respective Cleanup Goals.

The data validation process did not result in the rejection of any confirmation wipe sampling data.

3.5.3 Comparability

Comparability is a qualitative term that expresses the confidence with which a data set can be compared with another. Data is considered comparable if quality assurance (QA)/QC measures, such as sample collection procedures, analytical methods, reporting units, and analytical reporting limits are equivalent for the samples within a data set. Adherence to QA/QC measures assures that samples collected in similar conditions (i.e., the low occupancy area of Zone 1) are comparable. Comparability criteria are met if, based on data validation, the sample collection and analytical procedures are determined to have been followed, or variations in sample collection and analytical procedures were deemed to not have resulted in sample results being rejected.

To ensure comparability of the data generated for the low occupancy area of Zone 1, sample collection and analytical procedures adhered to the requirements outlined in the UFP-QAPP. Based on the field audit conducted on June 30, 2022, as well as regular reviews of field forms and chain-of-custody forms, it was determined that field activities, including confirmation wipe sampling activities, were conducted in accordance with the NTCRA Work Plan as well as SOPs developed for field activities associated with the NTCRA.

As described in the Data Summary Submittal for the High Occupancy Area of Zone 1 (Rincon, 2023) the Project Team noticed that the extraction method that had been used for PCB confirmation and clearance wipe samples collected from the high and low occupancy areas of Zone 1 was a different method than the extraction methods included in the UFP-QAPP and the UFP-QAPP Attachment D-2. The team worked with Enthalpy Analytical, LLC (Enthalpy) to demonstrate that the extraction method used was capable of meeting the Project Cleanup Goals. Rincon prepared the memorandum, *PCB Wipe Extraction Method Used on NTCRA Samples Collected Before November 16, 2022* (PCB Memorandum), dated December 23, 2022, and submitted it to the Agencies. In an email correspondence dated January 24, 2023, the EPA acknowledged the completion of their review of the PCB Memorandum. As stated in the email correspondence, the EPA concurred with the conclusions presented in the PCB Memorandum and has no further questions or concerns regarding PCB wipe extraction methods. The PCB Memorandum and revised UFP-QAPP pages were included as attachments to the Zone 1 High Occupancy Data Summary Submittal (Rincon, 2023).

While reporting limits for the majority of lead and PCB confirmation wipe samples collected in the low occupancy area of Zone 1 exceeded the laboratory specific QL outlined in Worksheet #15 of the UFP-QAPP, the difference between laboratory specific QLs was determined to not affect the quality of the data. See Section 3.6 for additional details.

3.6 Sensitivity

A summary of the sensitivity for the confirmation wipe samples is summarized in Table 9.

Table 9 Sensitivity Comparison for Confirmation Wipe Samples

Analyte	Method	Cleanup Goal	Laboratory Specific QL in UFP-QAPP	Maximum QL Reported
Lead	U.S. EPA Method 3050M/6010B	<250 µg/ft^2	0.5 µg/ft^2	1 µg/ft^2
PCB	U.S. EPA Method 8082	≤100 µg/100 cm^2	0.5 µg/100 cm^2	1 µg/100 cm^2

Sensitivity is the capability of a method or instrument to discriminate among measurement responses representing different levels of the variable of interest. The laboratory specific QLs outlined in the UFP-QAPP were 0.5 µg/ft^2 for lead and 0.5 µg/100 cm^2 for PCBs. However, the reporting limits for the majority of the PCB and lead confirmation wipe samples exceeded the laboratory specific QLs as identified in the UFP-QAPP. However, the highest reported QLs for lead and PCBs were below the numerical Cleanup Goals and, as a result, the sensitivity of the methods was sufficient for comparison of sample results to numerical Cleanup Goals.

While the QL achieved for the samples collected in the low occupancy area of Zone 1 exceeded the QLs specified in the UFP-QAPP, Rincon and Enthalpy have worked to resolve the issue and the QLs specified in the UFP-QAPP were achieved for all samples collected after October 7, 2022.

4 Clearance Wipe Sampling Results

On completion of the abatement, cleaning, inspection, sampling, and priming activities within each enclosure, the abated steel, scaffolding, and enclosure material were cleaned by pressure washing with potable/recycled water. The purpose of this cleaning was to decontaminate the space such that follow-on trades are able to work in a decontaminated work environment.

In accordance with the UFP-QAPP, following pressure washing activities, clearance wipe samples were collected[11] from the decontaminated surfaces and analyzed for PCBs and lead to demonstrate that the contents of each enclosure had been adequately cleaned and that PCBs and lead were not present at concentrations in exceedance of the Clearance Goals (i.e., <250 µg/ft^2 for lead and ≤10 µg/100 cm^2 for PCBs).

Rincon conducted a review of laboratory analytical reports for the clearance wipe samples collected in Zone 1. The data review process included:

- Review of field records, including field data sheets, chain-of-custody forms, relevant correspondence, change orders and deviations, and field corrective action reports; and,
- Review of the analytical data package, including cover sheet, case narrative, sample receipt record, sample chronology, communication record, analytical results, definition of laboratory qualifiers, results reporting form, QC sample results, corrective action reports, and electronic data deliverables.

The tabulated results and final analytical laboratory reports for the clearance wipe samples collected in Zone 1 are presented in Attachment 6. The average lead clearance sampling results for Enclosure A, B, C, and D are 55, 59, 138, and 181 µg/ft^2, respectively. PCBs were not detected above the laboratory QL (i.e., 1.0 µg/cm^2) in any of clearance wipe samples.

Flags were applied to clearance wipe sample results based on Rincon's review of the analytical reports. "UJ" flags were applied to results for three PCB sample results where high surrogate recoveries were observed, and to 11 PCB sample results where low surrogate recoveries were observed. While surrogate recoveries were outside of the acceptable recovery ranges, the recoveries were not within ranges that would warrant rejection.[12] In addition, "b" flags were applied to 12 lead sample results due to high recoveries in interference check standards; however, these recoveries did not have any impact on data quality.[13] Lastly, data qualifiers (i.e., "U" flags) were applied to six lead results that were less than 5-times the concentration of lead detected in the media blank sample collected from within the same enclosure.

Based on this review, the clearance sampling data are considered suitable to assess whether the average concentrations of lead and PCBs in the clearance wipe samples are less than the numerical Clearance Goals.

In accordance with Worksheet #17 of the UFP-QAPP, the average concentration of PCBs and lead in the clearance wipe samples were compared with the Clearance Goals. As the averages of the clearance

[11] Clearance wipe samples from Enclosures A, B, and C were collected from both the high and low occupancy areas of the enclosures.

[12] Percent recoveries that would warrant rejection are those with recoveries below 10-percent.

[13] High recoveries were reported for aluminum in the interference check standards resulting in a "b" flag applied to select sample results. While high aluminum recoveries in interference check standards may indicate that lead concentrations in sample results could be biased high, Enthalpy's lead analyst reported that aluminum recoveries were not similarly high in the results that were associated with the clearance samples. Therefore, the potential for high bias is not applicable to the clearance sample results and the interference check standard did not have a material effect on the data quality.

sampling results for the cleaned scaffolding, structural steel, and enclosure materials were below the Clearance Goals of ≤10 µg/100 cm^2 for PCBs and <250 µg/ft^2 for lead, these materials were adequately decontaminated, and no additional decontamination was required for the four enclosures within Zone 1.

5 References

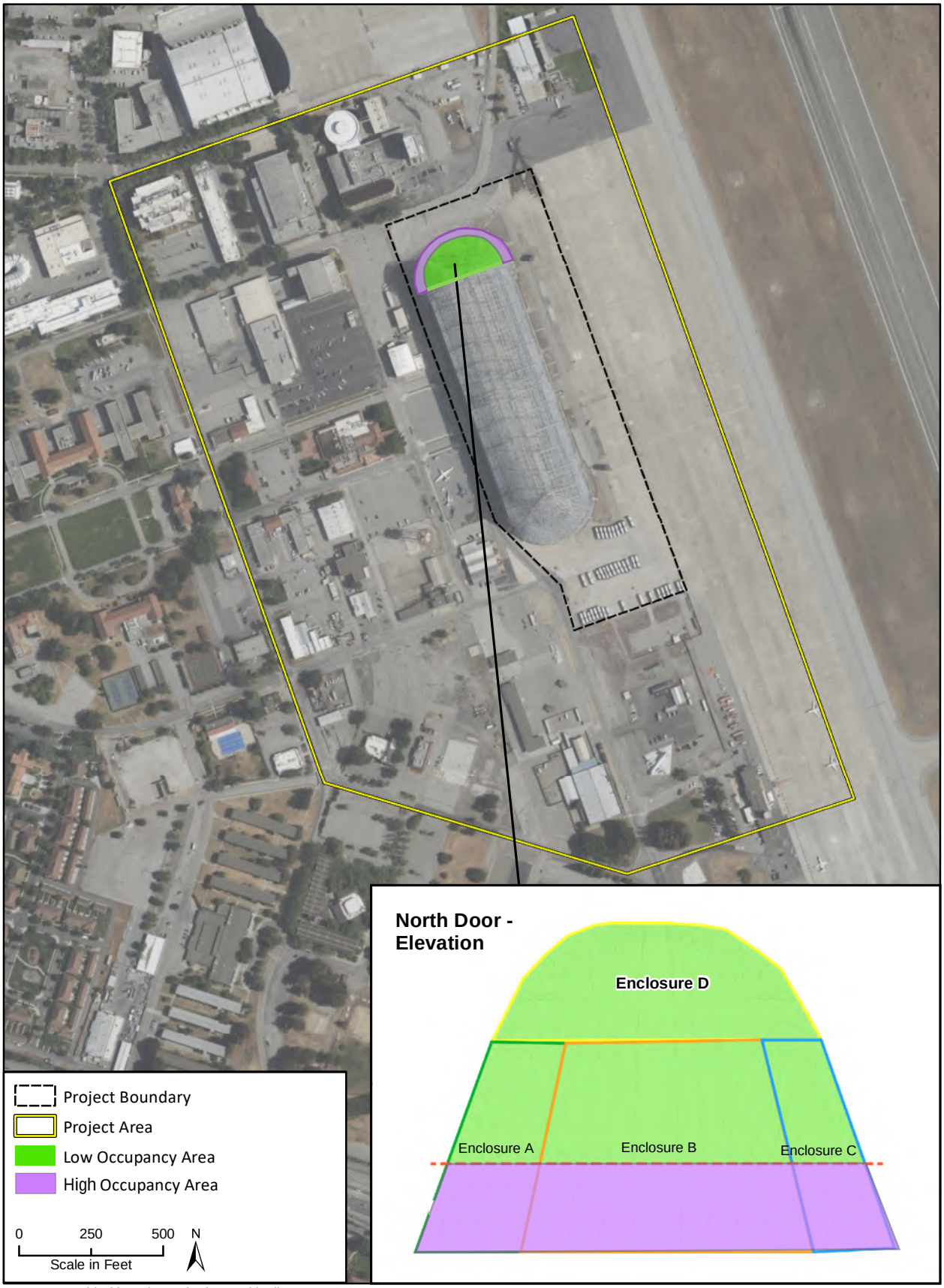
EKI, 2022. *NTCRA Work Plan, Former Naval Air Station Moffett Field, California*. EKI Environment & Water, Inc. March 14, 2022.

Rincon, 2022. PCB Wipe Extraction Method Used on NTCRA Samples Collected Before November 16, 2022. Rincon Consultants, Inc. December 23, 2022

Rincon, 2023. *Data Summary Submittal for the High Occupancy Area of Zone 1*. Rincon Consultants, Inc. March 2023.

U.S. EPA, 2022. *ProUCL: Statistical Software for Environmental Applications for Data Sets with and without Nondetect Observations*. Version 5.2. United States Environmental Protection Agency. 2022. https://www.epa.gov/land-research/proucl-software

Figures



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Plan Map and Cross Section of Zone 1

Figure 1

Attachment 1

NACE Inspection Forms

CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Thursday, June 9, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	SANDBLASTING AT ZONE 1D,LEVEL 28 & 29.		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:27 AM	9:27 AM	1:27 PM	5:27 PM					Specified Conditions
Time									
Dry Bulb	59.4 °F	65.8 °F	93.2 °F	107.6 °F					40-120 F
Wet Bulb	52.8 °F	57.9 °F	69.7 °F	77.7 °F					
Depression	6.6 °F	7.9 °F	23.5 °F	29.9 °F					
Relative Humidity	63.4%	60.9%	24.3%	20.7%					85%
Dew Point	47.0 °F	51.9 °F	51.4 °F	60.2 °F					
Steel temp	58.0 °F	65.1 °F	94.8 °F	109.7 °F					40-120 F
Difference	11.0 °F	13.2 °F	43.4 °F	49.5 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447475

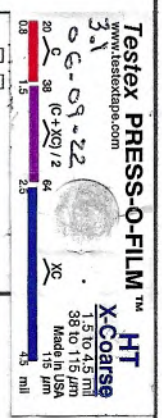
SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER** _____

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.1 mils



PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 8 AIR COMPRESSORS ACCORDING TO ASTM D4285-RE-STARTED
SANDBLASTING ON ZONE 1D LEVEL 28 AND 29.AFTER BEING SHUT DOWN SINCE 05/26/22.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 06/09/22
QC Supervisor Signature: _____ Date: 06/13/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: SANDBLASTING AT ZONE 1D,LEVEL 18,19,28 AND 29

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Friday, June 10, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

									Specified Conditions
Time	5:27 AM	9:27 AM	1:27 PM	5:27 PM					
Dry Bulb	66.9 °F	72.5 °F	96.4 °F	106.2 °F					40-120 F
Wet Bulb	57.6 °F	63.0 °F	73.2 °F	79.3 °F					
Depression	9.3 °F	9.5 °F	23.2 °F	27.9 °F					
Relative Humidity	54.4%	57.7%	29.1%	27.8%					85%
Dew Point	49.9 °F	56.8 °F	59.0 °F	66.1 °F					
Steel temp	65.7 °F	72.3 °F	98.1 °F	107.2 °F					40-120 F
Difference	15.7 °F	15.6 °F	39.0 °F	41.1 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447475

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.1 mils

3.1
6.10.22

Testex PRESS-O-FILM™ HT X-Coarse
www.testextape.com
1.5 to 4.5 mil
38 to 115 µm
Made in USA
20 0.8 1.5 38 (C+XC)/2 64 2.5 XC 4.5 mil 115 µm

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep:
Specified Material: Material Applied:
Part A Batch #'s: Part A Batch #'s:
Part B Batch #'s: Part B Batch #'s:
Part C Batch #'s: Part C Batch #'s:
Thinner Batch #'s: Thinner Batch #'s:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: Material Applied:
Part A Batch #'s: Part A Batch #'s:
Part B Batch #'s: Part B Batch #'s:
Part C Batch #'s: Part C Batch #'s:
Thinner Batch #'s: Thinner Batch #'s:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: Typical Wet Film Readings: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE SANDBLASTING ON ZONE 1D LEVEL 28-29 AND LEVEL 18 AND 19.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: Date: 06/10/22
QC Supervisor Signature: Date: 06/13/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Saturday, June 11, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	SANDBLASTING AT ZONE 1D,LEVEL 18,19,28 AND 29		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:27 AM	9:27 AM	1:27 PM	5:27 PM					Specified Conditions
Time									
Dry Bulb	66.0 °F	74.1 °F	91.0 °F	100.8 °F					40-120 F
Wet Bulb	59.5 °F	65.6 °F	71.0 °F	77.7 °F					
Depression	7.5 °F	8.5 °F	20.0 °F	23.1 °F					
Relative Humidity	67.3%	62.9%	34.8%	33.2%					85%
Dew Point	54.9 °F	60.7 °F	58.8 °F	66.6 °F					
Steel temp	64.9 °F	74.1 °F	91.5 °F	102.5 °F					40-120 F
Difference	10.0 °F	13.4 °F	32.7 °F	35.9 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

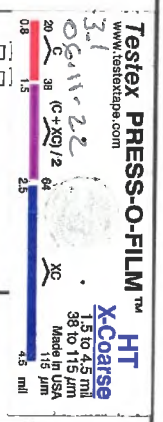
☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER**

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.1 mils

3.1 06/11/22



PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____

Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____

Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]

Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____

Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE
SANDBLASTING ON ZONE 1D LEVEL 28-29 AND LEVEL 18 AND 19.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 06/11/22
QC Supervisor Signature: _____ Date: 06/13/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Monday, June 13, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	SANDBLASTING AT ZONE 1D,LEVEL 19,27,28 AND 29		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:27 AM	9:27 AM	1:27 PM	5:27 PM					Specified Conditions
Time									
Dry Bulb	55.3 °F	62.4 °F	79.6 °F	93.1 °F					40-120 F
Wet Bulb	49.3 °F	55.3 °F	63.2 °F	69.1 °F					
Depression	6.0 °F	7.1 °F	16.4 °F	24.0 °F					
Relative Humidity	63.8%	62.5%	35.1%	22.3%					85%
Dew Point	43.2 °F	49.5 °F	49.6 °F	49.0 °F					
Steel temp	53.9 °F	61.6 °F	80.0 °F	94.4 °F					40-120 F
Difference	10.6 °F	12.1 °F	30.3 °F	45.4 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

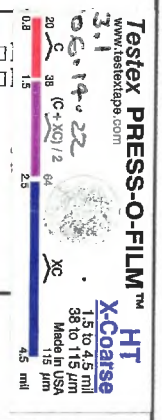
SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER _____

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.1 mils



PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE SANDBLASTING ON ZONE 1D LEVEL 19-27-28-29.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 06/13/22
QC Supervisor Signature: _____ Date: 06/15/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCarthy
Certified Supervisor: OMAR PINERA
Work Location: MOFFET FIELD,CA.94305
Owner: Google
Task: STRIPE ZINC CLAD 4100

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Wednesday, June 15, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

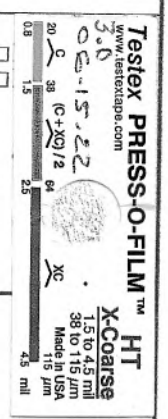
	9:06 AM	1:06 PM	5:06 PM						Specified Conditions
Time									
Dry Bulb	70.7 °F	110.0 °F	114.0 °F						40-120 F
Wet Bulb	61.3 °F	79.0 °F	79.7 °F						
Depression	9.4 °F	31.0 °F	24.7 °F						
Relative Humidity	57.2%	21.1%	16.2%						85%
Dew Point	54.8 °F	61.4 °F	57.6 °F						
Steel temp	68.1 °F	112.4 °F	116.0 °F						40-120 F
Difference	13.3 °F	51.0 °F	59.1 °F						+5 F
Conditions	acceptable	acceptable	acceptable						

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 447475

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]
Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning solvent clean and power tool clean as needed
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3 mils



PRIMER

Soluble Salt Test Performed: YES [☐] NO [☑] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]
Paint mixed per manufacturer's instructions: YES [☑] NO [☐]
Time Elapsed Since Surface Prep: N/A

Specified Material:	ZINC CLAD 4100	Material Applied:	ZINC CLAD 4100
Part A Batch #'s:	XM0192HF 01/19/22	Part A Batch #'s:	XM0192HF 01/19/22
Part B Batch #'s:	HA0272VP 01/07/22	Part B Batch #'s:	HA0272VP 01/07/22
Part C Batch #'s:	0872CL 03/2022	Part C Batch #'s:	0872CL 03/2022
Thinner Batch #'s:		Thinner Batch #'s:	

Mix Time: 10:00 AM	Start Application: 10:00 AM	Time Complete: 11:00 PM	Pot Life: 2 - 8 HRS.
Mix Time: 12:30 PM	Start Application: 12:45 PM	Time Complete: 4:00 PM	Pot Life: 2-8 HRS.
Mix Time:	Start Application:	Time Complete:	Pot Life:

Material Temp: 72 F Typical Wet Film Readings: 4 TO 7 mils
Qty. Mixed: 3 GAL Qty. Applied: 3 GAL Approximate SF: N/A
Min. Storage Temp. 40 F Max. Storage Temp. 100 F Actual Storage Temperature 60 F

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]

Specified Material:		Material Applied:	
Part A Batch #'s:		Part A Batch #'s:	
Part B Batch #'s:		Part B Batch #'s:	
Part C Batch #'s:		Part C Batch #'s:	
Thinner Batch #'s:		Thinner Batch #'s:	

Mix Time:	Start Application:	Time Complete:	Pot Life:
Mix Time:	Start Application:	Time Complete:	Pot Life:
Mix Time:	Start Application:	Time Complete:	Pot Life:

Material Temp: Typical Wet Film Readings: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: MIX ZINC CLAD 4100 AND STARTED STRIPING RIVETS,EDGES AND HARD TO REACH AREAS AT ZONE 1 AREA D.LEVELS 28,29.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: Date: 06/15/22
QC Supervisor Signature: Date: 6/16/22
Form No. QC0005 Revision: 0 Rev. Date 28-Oct-20
Distribution: 1. Jobsite file 2. Project Manager 3. Client
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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Wednesday, June 15, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	SANDBLASTING AT ZONE 1 AREA C LEVELS 13 TO 17.		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:27 AM	9:27 AM	1:27 PM	5:27 PM					Specified Conditions
Time									
Dry Bulb	59.7 °F	66.4 °F	82.9 °F	93.6 °F					40-120 F
Wet Bulb	53.2 °F	60.0 °F	68.9 °F	70.4 °F					
Depression	6.5 °F	6.4 °F	14.0 °F	23.2 °F					
Relative Humidity	64.1%	68.6%	40.3%	26.0%					85%
Dew Point	47.5 °F	55.7 °F	56.3 °F	53.6 °F					
Steel temp	58.2 °F	65.5 °F	83.7 °F	94.8 °F					40-120 F
Difference	10.7 °F	9.8 °F	27.3 °F	41.1 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

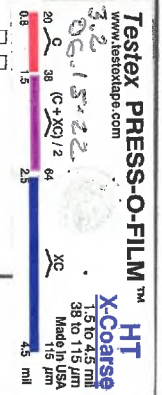
☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.2 mils

3.2 3.2 3.2



PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____

Specified Material:		Material Applied:	
Part A Batch #'s:		Part A Batch #'s:	
Part B Batch #'s:		Part B Batch #'s:	
Part C Batch #'s:		Part C Batch #'s:	
Thinner Batch #'s:		Thinner Batch #'s:	

Mix Time:	Start Application:		Time Complete:	Pot Life:
Mix Time:	Start Application:		Time Complete:	Pot Life:
Mix Time:	Start Application:		Time Complete:	Pot Life:

Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]

Specified Material:		Material Applied:	
Part A Batch #'s:		Part A Batch #'s:	
Part B Batch #'s:		Part B Batch #'s:	
Part C Batch #'s:		Part C Batch #'s:	
Thinner Batch #'s:		Thinner Batch #'s:	

Mix Time:	Start Application:		Time Complete:	Pot Life:
Mix Time:	Start Application:		Time Complete:	Pot Life:
Mix Time:	Start Application:		Time Complete:	Pot Life:

Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-STARTED
SANDBLASTING ON ZONE 1 AREA C LEVELS 13 TO 17.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 06/15/22
QC Supervisor Signature: _____ Date: 6/16/22

Form No. QC0005 Revision: 0 Rev. Date 28-Oct-20
Distribution: 1. Jobsite file 2. Project Manager 3. Client

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Thursday, June 16, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	SANDBLASTING AT ZONE 1 AREA C LEVELS 13 TO 17.		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:27 AM	9:27 AM	1:27 PM	5:27 PM					Specified Conditions
Time									
Dry Bulb	56.4 °F	63.2 °F	75.5 °F	95.4 °F					40-120 F
Wet Bulb	49.8 °F	56.1 °F	62.1 °F	71.0 °F					
Depression	6.6 °F	7.1 °F	13.4 °F	24.4 °F					
Relative Humidity	60.8%	63.2%	43.6%	24.1%					85%
Dew Point	43.1 °F	50.5 °F	51.9 °F	53.0 °F					
Steel temp	54.9 °F	62.1 °F	75.3 °F	96.3 °F					40-120 F
Difference	11.8 °F	11.7 °F	23.4 °F	43.3 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

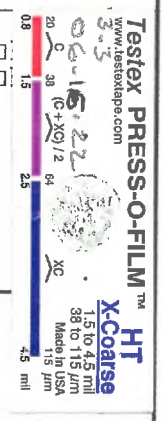
SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.3 mils



PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____

Specified Material:		Material Applied:	
Part A Batch #'s:		Part A Batch #'s:	
Part B Batch #'s:		Part B Batch #'s:	
Part C Batch #'s:		Part C Batch #'s:	
Thinner Batch #'s:		Thinner Batch #'s:	

Mix Time:		Start Application:		Time Complete:	Pot Life:
Mix Time:		Start Application:		Time Complete:	Pot Life:
Mix Time:		Start Application:		Time Complete:	Pot Life:

Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]

Specified Material:		Material Applied:	
Part A Batch #'s:		Part A Batch #'s:	
Part B Batch #'s:		Part B Batch #'s:	
Part C Batch #'s:		Part C Batch #'s:	
Thinner Batch #'s:		Thinner Batch #'s:	

Mix Time:		Start Application:		Time Complete:	Pot Life:
Mix Time:		Start Application:		Time Complete:	Pot Life:
Mix Time:		Start Application:		Time Complete:	Pot Life:

Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE
SANDBLASTING ON ZONE 1 AREA C LEVELS 13 TO 17.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 06/16/22
QC Supervisor Signature: _____ Date: 6/20/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: SANDBLASTING AT ZONE 1 AREA C LEVELS 13 TO 17.

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Monday, June 20, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:27 AM	9:27 AM	1:27 PM	5:27 PM	Specified Conditions
Time					
Dry Bulb	62.7 °F	64.7 °F	84.0 °F	100.6 °F	40-120 F
Wet Bulb	54.5 °F	57.5 °F	65.7 °F	74.9 °F	
Depression	8.2 °F	7.2 °F	18.3 °F	25.7 °F	
Relative Humidity	56.8%	63.8%	32.7%	26.1%	85%
Dew Point	47.2 °F	52.1 °F	51.6 °F	59.5 °F	
Steel temp	61.6 °F	63.5 °F	84.3 °F	101.7 °F	40-120 F
Difference	14.4 °F	11.4 °F	32.7 °F	42.2 °F	+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER
Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]
Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.3 mils

PRESS-O-FILM™ Made in U.S.A.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample 6-20-22
reading 3.3
gage less 2.0 mils or 50 µm

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep:
Specified Material: Material Applied:
Part A Batch #'s: Part A Batch #'s:
Part B Batch #'s: Part B Batch #'s:
Part C Batch #'s: Part C Batch #'s:
Thinner Batch #'s: Thinner Batch #'s:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: Material Applied:
Part A Batch #'s: Part A Batch #'s:
Part B Batch #'s: Part B Batch #'s:
Part C Batch #'s: Part C Batch #'s:
Thinner Batch #'s: Thinner Batch #'s:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: Typical Wet Film Readings: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE
SANDBLASTING ON ZONE 1 AREA C LEVELS 13 TO 17.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: Date: 06/20/22
QC Supervisor Signature: Date: 6/21/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: SANDBLASTING AT ZONE 1 AREA D LEVELS 26 AND 27.

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Monday, June 20, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:46 AM	9:46 AM	1:46 PM	5:46 PM					Specified Conditions
Time									
Dry Bulb	63.5 °F	77.4 °F	117.3 °F	119.4 °F					40-120 F
Wet Bulb	53.3 °F	63.2 °F	81.1 °F	82.3 °F					
Depression	10.2 °F	14.2 °F	36.2 °F	37.1 °F					
Relative Humidity	46.6%	42.0%	15.9%	16.2%					85%
Dew Point	42.7 °F	52.6 °F	59.2 °F	61.3 °F					
Steel temp	62.4 °F	78.1 °F	120.5 °F	121.9 °F					40-120 F
Difference	19.7 °F	25.5 °F	61.3 °F	60.5 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.3 mils

PRESS-O-FILM™ Made in U.S.A.
sample # 2022
reading 3.3
gage less 2.0 mils or 50 µm
X COARSE Plus (useful range: see data sheet)
TESTEX NEWARK, DE 19715 USA

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep:
Specified Material: Material Applied:
Part A Batch #'s: Part A Batch #'s:
Part B Batch #'s: Part B Batch #'s:
Part C Batch #'s: Part C Batch #'s:
Thinner Batch #'s: Thinner Batch #'s:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: Material Applied:
Part A Batch #'s: Part A Batch #'s:
Part B Batch #'s: Part B Batch #'s:
Part C Batch #'s: Part C Batch #'s:
Thinner Batch #'s: Thinner Batch #'s:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: Typical Wet Film Readings: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE SANDBLASTING ON ZONE 1 AREA D LEVELS 26 AND 27.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: Date: 06/20/22
QC Supervisor Signature: Date: 6/21/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Tuesday, June 21, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	SANDBLASTING AT ZONE 1 AREA D LEVELS 26 AND 27.		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:46 AM	9:46 AM	1:46 PM	5:46 PM	Specified Conditions
Time					
Dry Bulb	69.8 °F	86.2 °F	127.3 °F	135.2 °F	40-120 F
Wet Bulb	56.3 °F	67.7 °F	84.7 °F	88.3 °F	
Depression	13.5 °F	18.5 °F	73.6 °F	74.4 °F	
Relative Humidity	35.5%	34.5%	11.1%	11.4%	85%
Dew Point	42.0 °F	54.9 °F	56.9 °F	63.6 °F	
Steel temp	68.9 °F	87.0 °F	130.5 °F	138.0 °F	40-120 F
Difference	26.9 °F	32.2 °F	73.6 °F	74.4 °F	+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.6 mils

PRESS-O-FILM™ Made in U.S.A.
sample 6.22.22 reading 3.6
gage less 2.0 mils or 50 µm
X COARSE Plus (useful range: see data sheet)
TESTEX NEWARK, DE 19715 USA

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE SANDBLASTING ON ZONE 1 AREA D LEVELS 26 AND 27.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 06/21/22
QC Supervisor Signature: _____ Date: 6/28/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: SANDBLASTING AT ZONE 1 AREA C LEVELS 13 TO 17.

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Tuesday, June 21, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:27 AM	9:27 AM	1:27 PM	5:27 PM					Specified Conditions
Time									
Dry Bulb	68.6 °F	73.6 °F	96.4 °F	120.1 °F					40-120 F
Wet Bulb	56.7 °F	62.4 °F	70.4 °F	82.3 °F					
Depression	11.9 °F	11.2 °F	26.0 °F	37.8 °F					
Relative Humidity	43.2%	51.5%	19.3%	15.1%					85%
Dew Point	45.4 °F	54.6 °F	47.7 °F	60.0 °F					
Steel temp	67.6 °F	73.3 °F	97.5 °F	121.6 °F					40-120 F
Difference	22.3 °F	18.7 °F	49.7 °F	61.6 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]	
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]	

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.6 mils

PRESS-O-FILM™ Made in U.S.A.
sample 6.22.22
reading 3.6
gage less 2.0 mils or 50 µm
X COARSE Plus (useful range: see data sheet)
TESTEX NEWARK, DE 19715 / USA

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep:

Specified Material:		Material Applied:	
Part A Batch #'s:		Part A Batch #'s:	
Part B Batch #'s:		Part B Batch #'s:	
Part C Batch #'s:		Part C Batch #'s:	
Thinner Batch #'s:		Thinner Batch #'s:	

Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ **FINISH** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]

Specified Material:		Material Applied:	
Part A Batch #'s:		Part A Batch #'s:	
Part B Batch #'s:		Part B Batch #'s:	
Part C Batch #'s:		Part C Batch #'s:	
Thinner Batch #'s:		Thinner Batch #'s:	

Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: Typical Wet Film Readings: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE SANDBLASTING ON ZONE 1 AREA C LEVELS 13 TO 17.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: Date: 06/21/22
QC Supervisor Signature: Date: 6/28/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Wednesday, June 22, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	SANDBLASTING AT ZONE 1 AREA C LEVELS 13 TO 17.		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:27 AM	9:27 AM	1:27 PM	5:27 PM					Specified Conditions
Time									
Dry Bulb	77.7 °F	74.0 °F	87.2 °F	84.3 °F					40-120 F
Wet Bulb	60.7 °F	62.2 °F	68.4 °F	67.4 °F					
Depression	17.0 °F	11.8 °F	18.6 °F	17.2 °F					
Relative Humidity	30.0%	49.1%	34.9%	37.6%					85%
Dew Point	43.8 °F	53.7 °F	56.0 °F	55.7 °F					
Steel temp	77.0 °F	73.5 °F	87.2 °F	84.3 °F					40-120 F
Difference	33.2 °F	19.8 °F	31.2 °F	28.4 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.6 mils

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE AND SQUARE UP SANDBLASTING ON ZONE 1 AREA C LEVELS 13 TO 17.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 06/22/22
QC Supervisor Signature: _____ Date: 6/29/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: SANDBLASTING AT ZONE 1 AREA D LEVELS 26 AND 27.

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Wednesday, June 22, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:46 AM	9:46 AM	1:10 PM	5:10 PM					Specified Conditions
Time									
Dry Bulb	79.4 °F	88.8 °F	123.2 °F	98.0 °F					40-120 F
Wet Bulb	61.3 °F	69.6 °F	83.6 °F	73.0 °F					
Depression	18.1 °F	19.2 °F	39.6 °F	25.0 °F					
Relative Humidity	27.0%	34.8%	14.3%	25.5%					85%
Dew Point	42.5 °F	57.1 °F	60.9 °F	56.7 °F					
Steel temp	78.9 °F	90.0 °F	130.5 °F	98.3 °F					40-120 F
Difference	36.4 °F	32.8 °F	69.7 °F	41.6 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]
Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.6 mils

PRESS-O-FILM™ Made in U.S.A.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample reading 3.6 6/22/22
gage less 2.0 mils or 50 µm

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep:
Specified Material: Material Applied:
Part A Batch #'s: Part A Batch #'s:
Part B Batch #'s: Part B Batch #'s:
Part C Batch #'s: Part C Batch #'s:
Thinner Batch #'s: Thinner Batch #'s:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: Material Applied:
Part A Batch #'s: Part A Batch #'s:
Part B Batch #'s: Part B Batch #'s:
Part C Batch #'s: Part C Batch #'s:
Thinner Batch #'s: Thinner Batch #'s:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: Typical Wet Film Readings: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE
SANDBLASTING ON ZONE 1 AREA D LEVELS 26 AND 27.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: Date: 06/22/22
QC Supervisor Signature: Date: 6/28/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Wednesday, June 22, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	SANDBLASTING AT ZONE 1 AREA D LEVELS 25 AND 26.		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:10 AM	9:10 AM	1:03 PM	5:10 PM					Specified Conditions
Time									
Dry Bulb	62.8 °F	79.3 °F	112.6 °F	119.0 °F					40-120 F
Wet Bulb	54.9 °F	65.0 °F	79.9 °F	82.9 °F					
Depression	7.9 °F	14.3 °F	32.7 °F	36.1 °F					
Relative Humidity	58.2%	43.8%	19.7%	18.0%					85%
Dew Point	47.9 °F	55.3 °F	61.5 °F	64.1 °F					
Steel temp	61.2 °F	81.8 °F	118.6 °F	121.7 °F					40-120 F
Difference	13.3 °F	26.5 °F	57.1 °F	57.6 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.4 mils

PRESS-O-FILM™ Made in U.S.A.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample reading 3.4 gage less 2.0 mils 6-25-22
or 50 µm

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE SANDBLASTING ON ZONE 1 AREA D LEVELS 25 AND 26.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 06/25/22
QC Supervisor Signature: _____ Date: 6/28/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: SANDBLASTING AT ZONE 1 AREA D LEVELS 26 AND 27.

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Friday, June 24, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

Time	5:10 AM	9:10 AM	1:10 PM	5:10 PM					Specified Conditions
Dry Bulb	65.0 °F	81.0 °F	115.2 °F	120.1 °F					40-120 F
Wet Bulb	56.7 °F	66.6 °F	80.7 °F	83.2 °F					
Depression	8.3 °F	13.4 °F	34.5 °F	36.9 °F					
Relative Humidity	58.2%	44.3%	17.9%	17.3%					85%
Dew Point	50.0 °F	57.3 °F	61.0 °F	68.8 °F					
Steel temp	63.6 °F	83.3 °F	120.7 °F	123.0 °F					40-120 F
Difference	13.6 °F	26.1 °F	59.7 °F	59.2 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER** _____

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.6 mils

PRESS-O-FILM™ Made in U.S.A.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample reading 3.6 gage less 2.0 mils or 50 µm

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____

Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____

Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]

Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____

Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE SANDBLASTING ON ZONE 1 AREA D LEVELS 26 AND 27.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 06/24/22
QC Supervisor Signature: _____ Date: 6/28/22

Form No. QC0005 Revision: 0 Rev. Date 28-Oct-20
Distribution: 1. Jobsite file 2. Project Manager 3. Client
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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: SANDBLASTING AT ZONE 1 AREA C LEVELS 8,10 and 12

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Saturday, June 25, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:27 AM	9:27 AM	1:27 PM	5:27 PM					Specified Conditions
Time									
Dry Bulb	65.1 °F	65.6 °F	75.6 °F	94.0 °F					40-120 F
Wet Bulb	57.5 °F	59.8 °F	64.4 °F	73.6 °F					
Depression	7.6 °F	5.8 °F	11.2 °F	20.4 °F					
Relative Humidity	62.0%	71.1%	53.0%	35.6%					85%
Dew Point	51.7 °F	55.9 °F	57.2 °F	62.6 °F					
Steel temp	63.9 °F	64.5 °F	75.5 °F	94.8 °F					40-120 F
Difference	12.2 °F	8.6 °F	18.2 °F	32.2 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER** _____

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.4 mils

PRESS-O-FILM™ Made in U.S.A.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample reading 3.4 mils or 50 µm
6.25.22

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE
SANDBLASTING ON ZONE 1 AREA C LEVELS 8,10 AND 12
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 06/25/22
QC Supervisor Signature: _____ Date: 6/28/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: SANDBLASTING AT ZONE 1 AREA C LEVELS 8,10 and 12

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Monday, June 27, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:27 AM	9:27 AM	1:10 PM	5:27 PM					Specified Conditions
Time									
Dry Bulb	65.7 °F	64.2 °F	70.9 °F	87.4 °F					40-120 F
Wet Bulb	58.1 °F	58.4 °F	62.6 °F	70.7 °F					
Depression	7.6 °F	5.8 °F	8.3 °F	17.7 °F					
Relative Humidity	62.2%	70.2%	62.1%	41.6%					85%
Dew Point	52.4 °F	54.3 °F	57.3 °F	61.2 °F					
Steel temp	64.7 °F	63.1 °F	70.6 °F	88.3 °F					40-120 F
Difference	12.3 °F	8.8 °F	13.3 °F	27.1 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]	
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]	

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.4 mils

PRESS-O-FILM™ Made in U.S.A.
sample reading 3.4 6-27-22
gage less 2.0 mils or 50 µm
X COARSE Plus (useful range: see data sheet)
TESTEX NEWARK, DE 19715 USA

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____

Specified Material:		Material Applied:	
Part A Batch #'s:		Part A Batch #'s:	
Part B Batch #'s:		Part B Batch #'s:	
Part C Batch #'s:		Part C Batch #'s:	
Thinner Batch #'s:		Thinner Batch #'s:	

Mix Time:		Start Application:		Time Complete:	Pot Life:
Mix Time:		Start Application:		Time Complete:	Pot Life:
Mix Time:		Start Application:		Time Complete:	Pot Life:

Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]

Specified Material:		Material Applied:	
Part A Batch #'s:		Part A Batch #'s:	
Part B Batch #'s:		Part B Batch #'s:	
Part C Batch #'s:		Part C Batch #'s:	
Thinner Batch #'s:		Thinner Batch #'s:	

Mix Time:		Start Application:		Time Complete:	Pot Life:
Mix Time:		Start Application:		Time Complete:	Pot Life:
Mix Time:		Start Application:		Time Complete:	Pot Life:

Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE SANDBLASTING ON ZONE 1 AREA C LEVELS 8,10 AND 12
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 06/27/22
QC Supervisor Signature: _____ Date: 6/29/22

Form No. QC0005 Revision: 0 Rev. Date 28-Oct-20
Distribution: 1. Jobsite file 2. Project Manager 3. Client

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: SANDBLASTING AT ZONE 1 AREA C LEVELS 6 THRU 12

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Tuesday, June 28, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:27 AM	9:27 AM	1:10 PM	5:27 PM					Specified Conditions
Time									
Dry Bulb	64.1 °F	64.5 °F	71.0 °F	86.5 °F					40-120 F
Wet Bulb	56.8 °F	58.7 °F	61.3 °F	68.3 °F					
Depression	7.3 °F	5.8 °F	9.7 °F	18.2 °F					
Relative Humidity	62.2%	70.2%	55.7%	35.7%					85%
Dew Point	51.0 °F	54.6 °F	54.4 °F	56.2 °F					
Steel temp	62.9 °F	63.3 °F	70.6 °F	86.6 °F					40-120 F
Difference	12.0 °F	8.7 °F	16.2 °F	30.4 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]	
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]	

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.5 mils

PRESS-O-FILM™ Made in U.S.A.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample 6-28-22 reading 3.5 gage less 2.0 mils = 50 µm

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep:

Specified Material:		Material Applied:	
Part A Batch #'s:		Part A Batch #'s:	
Part B Batch #'s:		Part B Batch #'s:	
Part C Batch #'s:		Part C Batch #'s:	
Thinner Batch #'s:		Thinner Batch #'s:	

Mix Time:		Start Application:		Time Complete:	Pot Life:
Mix Time:		Start Application:		Time Complete:	Pot Life:
Mix Time:		Start Application:		Time Complete:	Pot Life:

Material Temp: Typical Wet Film Readings: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ **FINISH** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]

Specified Material:		Material Applied:	
Part A Batch #'s:		Part A Batch #'s:	
Part B Batch #'s:		Part B Batch #'s:	
Part C Batch #'s:		Part C Batch #'s:	
Thinner Batch #'s:		Thinner Batch #'s:	

Mix Time:		Start Application:		Time Complete:	Pot Life:
Mix Time:		Start Application:		Time Complete:	Pot Life:
Mix Time:		Start Application:		Time Complete:	Pot Life:

Material Temp: Typical Wet Film Readings: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE
SANDBLASTING ON ZONE 1 AREA C LEVELS 6 THRU 12
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: Date: 06/28/22
QC Supervisor Signature: Date: 6/28/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: SANDBLASTING AT ZONE 1 AREA C LEVELS 6 THRU 12

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Wednesday, June 29, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:27 AM	9:27 AM	1:10 PM	5:27 PM	Specified Conditions
Time					
Dry Bulb	63.1 °F	62.3 °F	67.8 °F	81.0 °F	40-120 F
Wet Bulb	55.6 °F	56.6 °F	59.8 °F	66.3 °F	
Depression	7.5 °F	5.7 °F	8.0 °F	14.7 °F	
Relative Humidity	60.8%	69.7%	61.2%	43.1%	85%
Dew Point	49.4 °F	52.3 °F	54.0 °F	56.5 °F	
Steel temp	61.9 °F	61.2 °F	67.3 °F	80.8 °F	40-120 F
Difference	12.6 °F	8.9 °F	13.3 °F	24.2 °F	+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]
Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.5 mils

PRESS-O-FILM™ Made in U.S.A.
TESTEX
NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample reading 3.5 gage less 2.0 mils or 50 µm
6/29/22

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ **FINISH** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE
SANDBLASTING ON ZONE 1 AREA C LEVELS 6 THRU 12
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 06/29/22
QC Supervisor Signature: _____ Date: 6/30/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: SANDBLASTING AT ZONE 1 AREA C LEVELS 6 THRU 12

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Thursday, June 30, 2022
Address: FORMER NAVAL AIR STATION MOFFET FIELD,CA. 94305

Environmental Conditions:

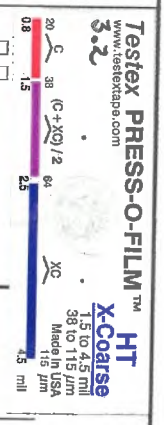
	5:27 AM	9:27 AM	1:10 PM	5:27 PM					Specified Conditions
Time									
Dry Bulb	63.5 °F	62.5 °F	68.0 °F	80.8 °F					40-120 F
Wet Bulb	55.5 °F	56.0 °F	58.7 °F	65.6 °F					
Depression	8.0 °F	6.5 °F	9.3 °F	15.2 °F					
Relative Humidity	58.7%	66.1%	55.9%	41.3%					85%
Dew Point	48.8 °F	51.0 °F	51.6 °F	55.2 °F					
Steel temp	62.3 °F	61.6 °F	67.3 °F	81.5 °F					40-120 F
Difference	13.6 °F	10.6 °F	15.6 °F	26.4 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER**

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]
Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.2 mils



PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufasturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep:
Specified Material: Material Applied:
Part A Batch #'s: Part A Batch #'s:
Part B Batch #'s: Part B Batch #'s:
Part C Batch #'s: Part C Batch #'s:
Thinner Batch #'s: Thinner Batch #'s:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: Material Applied:
Part A Batch #'s: Part A Batch #'s:
Part B Batch #'s: Part B Batch #'s:
Part C Batch #'s: Part C Batch #'s:
Thinner Batch #'s: Thinner Batch #'s:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: Typical Wet Film Readings: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE
SANDBLASTING ON ZONE 1 AREA C LEVELS 6 THRU 12
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: Date: 06/30/22
QC Supervisor Signature: Date: 7/5/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: SANDBLASTING AT ZONE 1 AREA D LEVELS 23,24 AND 25

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Tuesday, July 5, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:36 AM	9:36 AM	1:36 PM	5:36 PM					Specified Conditions
Time									
Dry Bulb	69.3 °F	79.1 °F	93.5 °F	100.2 °F					40-120 F
Wet Bulb	61.7 °F	67.6 °F	73.6 °F	75.1 °F					
Depression	7.6 °F	11.5 °F	19.9 °F	25.1 °F					
Relative Humidity	64.1%	54.0%	36.3%	27.3%					85%
Dew Point	56.7 °F	61.0 °F	62.7 °F	60.4 °F					
Steel temp	68.3 °F	80.4 °F	95.8 °F	103.9 °F					40-120 F
Difference	11.6 °F	19.4 °F	33.0 °F	43.5 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.6 mils

PRESS-O-FILM™ Made in U.S.A.
sample reading 3.6 gage less 2.0 mils or 50 µm
X COARSE Plus (useful range: see data sheet)
TESTEX NEWARK, DE 19715 USA

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep:
Specified Material: Material Applied:
Part A Batch #'s: Part A Batch #'s:
Part B Batch #'s: Part B Batch #'s:
Part C Batch #'s: Part C Batch #'s:
Thinner Batch #'s: Thinner Batch #'s:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: Material Applied:
Part A Batch #'s: Part A Batch #'s:
Part B Batch #'s: Part B Batch #'s:
Part C Batch #'s: Part C Batch #'s:
Thinner Batch #'s: Thinner Batch #'s:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: Typical Wet Film Readings: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-STARTED ABRASIVE BLASTING AGAIN ON ZONE 1 AREA D LEVELS 23,24 AND 25.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: Date: 07/05/22
QC Supervisor Signature: Date: 7/6/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: ABRASIVE BLASTING ZONE 1 AREA C LEVELS GROUND TO 5

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Tuesday, July 5, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:27 AM	9:27 AM	1:10 PM	5:27 PM					Specified Conditions
Time									
Dry Bulb	70.3 °F	70.4 °F	73.9 °F	80.5 °F					40-120 F
Wet Bulb	62.4 °F	64.5 °F	66.2 °F	67.1 °F					
Depression	7.9 °F	5.9 °F	7.7 °F	13.4 °F					
Relative Humidity	63.5%	72.3%	66.4%	47.8%					85%
Dew Point	57.3 °F	61.1 °F	62.0 °F	58.9 °F					
Steel temp	69.4 °F	69.6 °F	73.3 °F	79.6 °F					40-120 F
Difference	12.1 °F	8.5 °F	11.4 °F	20.7 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]
Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.6 mils

PRESS-O-FILM™ Made in U.S.A.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample reading 7.5.22 3.6 gage less 2.0 mils or 50 µm

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ **FINISH** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE SANDBLASTING ON ZONE 1 AREA C LEVELS GROUND TO 5.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 07/05/22
QC Supervisor Signature: _____ Date: 7/6/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Wednesday, July 6, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING ZONE 1 AREA C LEVELS GROUND TO 5		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:27 AM	9:27 AM	1:10 PM	5:27 PM					Specified Conditions
Time									
Dry Bulb	66.7 °F	67.5 °F	74.6 °F	79.2 °F					40-120 F
Wet Bulb	59.4 °F	59.3 °F	62.7 °F	66.1 °F					
Depression	7.2 °F	8.2 °F	11.9 °F	13.1 °F					
Relative Humidity	64.5%	60.4%	49.1%	48.0%					85%
Dew Point	54.3 °F	53.3 °F	54.3 °F	57.8 °F					
Steel temp	65.1 °F	66.7 °F	73.9 °F	77.8 °F					40-120 F
Difference	10.8 °F	13.3 °F	19.7 °F	20.0 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

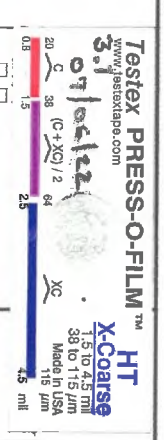
SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER** _____

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.1 mils



PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____

Specified Material:		Material Applied:	
Part A Batch #'s:		Part A Batch #'s:	
Part B Batch #'s:		Part B Batch #'s:	
Part C Batch #'s:		Part C Batch #'s:	
Thinner Batch #'s:		Thinner Batch #'s:	

Mix Time:	Start Application:	Time Complete:	Pot Life:	
Mix Time:	Start Application:	Time Complete:	Pot Life:	
Mix Time:	Start Application:	Time Complete:	Pot Life:	

Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]

Specified Material:		Material Applied:	
Part A Batch #'s:		Part A Batch #'s:	
Part B Batch #'s:		Part B Batch #'s:	
Part C Batch #'s:		Part C Batch #'s:	
Thinner Batch #'s:		Thinner Batch #'s:	

Mix Time:	Start Application:	Time Complete:	Pot Life:	
Mix Time:	Start Application:	Time Complete:	Pot Life:	
Mix Time:	Start Application:	Time Complete:	Pot Life:	

Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE SANDBLASTING ON ZONE 1 AREA C LEVELS GROUND TO 5.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 07/06/22
QC Supervisor Signature: _____ Date: ~~7/6/22~~ 2-2-23

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: SANDBLASTING AT ZONE 1 AREA D LEVELS 23,24 AND 25

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Wednesday, July 6, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:36 AM	9:36 AM	1:36 PM	5:36 PM					Specified Conditions
Time									
Dry Bulb	66.4 °F	75.6 °F	97.8 °F	101.7 °F					40-120 F
Wet Bulb	58.2 °F	63.0 °F	73.3 °F	75.5 °F					
Depression	8.2 °F	12.6 °F	24.5 °F	26.2 °F					
Relative Humidity	59.5%	47.3%	26.7%	25.6%					85%
Dew Point	51.9 °F	54.1 °F	57.8 °F	60.0 °F					
Steel temp	65.1 °F	76.5 °F	97.8 °F	101.7 °F					40-120 F
Difference	13.3 °F	22.4 °F	44.6 °F	44.7 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

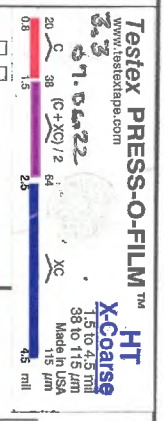
☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.3 mils

3.3 07.06.22



PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep:
Specified Material: Material Applied:
Part A Batch #'s: Part A Batch #'s:
Part B Batch #'s: Part B Batch #'s:
Part C Batch #'s: Part C Batch #'s:
Thinner Batch #'s: Thinner Batch #'s:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: Material Applied:
Part A Batch #'s: Part A Batch #'s:
Part B Batch #'s: Part B Batch #'s:
Part C Batch #'s: Part C Batch #'s:
Thinner Batch #'s: Thinner Batch #'s:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: Typical Wet Film Readings: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE
ABRASIVE BLASTING ON ZONE 1 AREA D LEVELS 23,24 AND 25.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: Date: 07/06/22
QC Supervisor Signature: Date: ~~7/8/22~~ 2-2-23

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Tuesday, July 12, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	SANDBLASTING AT ZONE 1 AREA D LEVELS 22,23 AND 24		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:36 AM	9:36 AM	1:36 PM	5:36 PM					Specified Conditions
Time									
Dry Bulb	66.2 °F	73.6 °F	97.8 °F	105.5 °F					40-120 F
Wet Bulb	59.5 °F	63.2 °F	74.2 °F	77.7 °F					
Depression	6.7 °F	10.4 °F	23.6 °F	27.8 °F					
Relative Humidity	67.1%	55.0%	29.4%	25.1%					85%
Dew Point	54.9 °F	56.4 °F	60.5 °F	62.5 °F					
Steel temp	65.0 °F	74.2 °F	101.6 °F	108.2 °F					40-120 F
Difference	10.0 °F	17.7 °F	41.1 °F	45.7 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER**

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.6 mils

PRESS-O-FILM™ Made in USA.
X COARSE Plus (useful range: see data sheet)
TESTEX NEWARK, DE 19715 USA
sample reading 3.6 gage less 2.0 mils or 50 µm
7.13.22

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____

Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____

Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]

Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____

Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE
ABRASIVE BLASTING ON ZONE 1 AREA D LEVELS 23 AND 24.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 07/12/22
QC Supervisor Signature: _____ Date: ~~7/13/22~~ 2-2-23

Form No. QC0005 Revision: 0 Rev. Date 28-Oct-20
Distribution: 1. Jobsite file 2. Project Manager 3. Client
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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Tuesday, July 12, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING ZONE 1 AREA C LEVELS GROUND,1,2,3.		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:27 AM	9:27 AM	1:27 PM	5:27 PM					Specified Conditions
Time									
Dry Bulb	66.1 °F	66.8 °F	73.1 °F	81.0 °F					40-120 F
Wet Bulb	60.5 °F	61.0 °F	64.2 °F	68.6 °F					
Depression	5.6 °F	5.8 °F	8.9 °F	13.4 °F					
Relative Humidity	71.8%	71.2%	60.8%	48.8%					85%
Dew Point	56.8 °F	57.2 °F	58.8 °F	60.8 °F					
Steel temp	64.9 °F	65.7 °F	72.3 °F	81.1 °F					40-120 F
Difference	8.1 °F	8.5 °F	13.6 °F	20.3 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER**

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.5 mils

PRESS-O-FILM™ Made in U.S.A.
X COARSE Plus (useful range: see data sheet)
TESTEX NEWARK, DE 19715 USA
sample reading 3.5 gage less 2.0 mils or 50 µm

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE SANDBLASTING ON ZONE 1 AREA C LEVELS GROUND AND 1,2,3 AND 4.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 07/12/22
QC Supervisor Signature: _____ Date: ~~7/13/22~~ 2-2-23

Form No. QC0005 Revision: 0 Rev. Date 28-Oct-20
Distribution: 1. Jobsite file 2. Project Manager 3. Client
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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: ABRASIVE BLASTING ZONE 1 AREA C LEVELS GROUND,1,2,3,4.

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Wednesday, July 13, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:27 AM	9:27 AM	1:27 PM	5:27 PM					Specified Conditions
Time									
Dry Bulb	65.7 °F	65.9 °F	72.7 °F	80.7 °F					40-120 F
Wet Bulb	59.1 °F	59.2 °F	63.9 °F	68.0 °F					
Depression	6.6 °F	6.7 °F	18.8 °F	12.7 °F					
Relative Humidity	67.1%	66.3%	60.9%	50.6%					85%
Dew Point	54.5 °F	54.4 °F	58.5 °F	60.6 °F					
Steel temp	64.3 °F	64.7 °F	72.0 °F	79.6 °F					40-120 F
Difference	9.9 °F	10.3 °F	13.5 °F	18.9 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.4 mils

PRESS-O-FILM™ Made in U.S.A.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample reading 3.4 gage less 2.0 mils or 50 µm
7-14-22

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____

Specified Material:		Material Applied:	
Part A Batch #'s:		Part A Batch #'s:	
Part B Batch #'s:		Part B Batch #'s:	
Part C Batch #'s:		Part C Batch #'s:	
Thinner Batch #'s:		Thinner Batch #'s:	

Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____ mils
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]

Specified Material:		Material Applied:	
Part A Batch #'s:		Part A Batch #'s:	
Part B Batch #'s:		Part B Batch #'s:	
Part C Batch #'s:		Part C Batch #'s:	
Thinner Batch #'s:		Thinner Batch #'s:	

Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE SANDBLASTING ON ZONE 1 AREA C LEVELS GROUND AND 1,2,3 AND 4.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 07/13/22
QC Supervisor Signature: _____ Date: 7/13/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: SANDBLASTING AT ZONE 1 AREA D LEVELS 23 AND 24

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Wednesday, July 13, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:36 AM	9:36 AM	1:36 PM	5:36 PM					Specified Conditions
Time									
Dry Bulb	65.1 °F	74.0 °F	96.8 °F	103.3 °F					40-120 F
Wet Bulb	58.0 °F	62.3 °F	73.7 °F	76.7 °F					
Depression	7.1 °F	11.7 °F	23.1 °F	26.5 °F					
Relative Humidity	64.3%	49.6%	29.8%	26.2%					85%
Dew Point	52.7 °F	54.0 °F	60.1 °F	61.9 °F					
Steel temp	63.8 °F	75.1 °F	100.6 °F	106.1 °F					40-120 F
Difference	11.0 °F	21.2 °F	40.6 °F	44,1					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]
Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.5 mils

PRESS-O-FILM™ Made in U.S.A.
sample 07.14.22
reading 3.5
gage less 2.0 mils or 50 µm
X COARSE Plus (useful range: see data sheet)
TESTEX NEWARK, DE 19715 USA

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ **FINISH** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE ABRASIVE BLASTING ON ZONE 1 AREA D LEVELS 23 AND 24.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 07/13/22
QC Supervisor Signature: _____ Date: 7/13/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: ABRASIVE BLASTING ZONE 1 AREA C LEVELS GROUND,1,2,3.

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Thursday, July 14, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

									Specified Conditions
Time	5:27 AM	9:27 AM	1:27 PM	5:27 PM					
Dry Bulb	64.6 °F	65.0 °F	78.3 °F	84.4 °F					40-120 F
Wet Bulb	58.6 °F	58.6 °F	66.6 °F	70.1 °F					
Depression	6.0 °F	6.4 °F	11.1 °F	14.3 °F					
Relative Humidity	69.1%	67.5%	52.4%	47.5%					85%
Dew Point	54.3 °F	54.0 °F	59.5 °F	62.3 °F					
Steel temp	63.3 °F	63.9 °F	77.6 °F	83.1 °F					40-120 F
Difference	9.1 °F	9.9 °F	18.1 °F	20.8 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]
Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.6 mils

PRESS-O-FILM™ Made in U.S.A.
sample reading 7.14.22 3.6 gage less 2.0 mils or 50 µm
X COARSE Plus (useful range: see data sheet)
TESTEX NEWARK, DE 19715 USA

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ **FINISH** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE SANDBLASTING ON ZONE 1 AREA C LEVELS GROUND AND 1,2,AND 3.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 07/14/22
QC Supervisor Signature: _____ Date: 7/15/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Thursday, July 14, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	SANDBLASTING AT ZONE 1 AREA D LEVELS 23 AND 24		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:36 AM	9:36 AM	1:36 PM	5:36 PM					Specified Conditions
Time									
Dry Bulb	64.7 °F	71.7 °F	95.6 °F	101.6 °F					40-120 F
Wet Bulb	57.4 °F	61.9 °F	75.3 °F	75.3 °F					
Depression	7.3 °F	9.8 °F	20.3 °F	26.3 °F					
Relative Humidity	62.5%	56.0%	30.5%	25.2%					85%
Dew Point	51.6 °F	55.1 °F	59.7 °F	59.5 °F					
Steel temp	63.4 °F	72.2 °F	99.7 °F	104.9 °F					40-120 F
Difference	11.8 °F	17.1 °F	40.0 °F	45.4 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER** _____

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.6 mils

PRESS-O-FILM™ Made in U.S.A.
sample 7-14-22 reading 3.6 gage less 2.0 mils or 50 µm
X COARSE Plus (useful range: see data sheet)
TESTEX NEWARK, DE 19715 USA

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____ _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE ABRASIVE BLASTING ON ZONE 1 AREA D LEVELS 23 AND 24.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 07/14/22
QC Supervisor Signature: _____ Date: 7/14/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: ABRASIVE BLASTING ZONE 1 AREA C GROUND LEVEL

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Friday, July 15, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

	7:45 AM	11:45 AM	3:45 PM	7:45 PM					Specified Conditions
Time									
Dry Bulb	68.8 °F	66.8 °F	72.4 °F	80.1 °F					40-120 F
Wet Bulb	59.6 °F	61.3 °F	61.3 °F	66.9 °F					
Depression	9.2 °F	5.5 °F	11.1 °F	13.2 °F					
Relative Humidity	56.5%	72.9%	60.4%	48.2%					85%
Dew Point	52.7 °F	57.9 °F	57.9 °F	58.8 °F					
Steel temp	61.8 °F	65.7 °F	72.2 °F	78.4 °F					40-120 F
Difference	9.0 °F	7.8 °F	7.8 °F	19.6 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.5 mils

PRESS-O-FILM™ Made in U.S.A.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample reading 3.5 mils
gage less 2.0 mils or 50 µm
7.15.22

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE ABRASIVE BLASTING IN ZONE 1 AREA C GROUND LEVEL AND STARTED BLOWING DOWN ALL THE STRUCTURAL STEEL. ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 07/15/22
QC Supervisor Signature: _____ Date: 7/15/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: SANDBLASTING AT ZONE 1 AREA D LEVEL 22 AND 23.

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Friday, July 15, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:36 AM	9:36 AM	1:36 PM	5:36 PM					Specified Conditions
Time									
Dry Bulb	59.3 °F	69.7 °F	94.2 °F	100.6 °F					40-120 F
Wet Bulb	52.8 °F	60.5 °F	72.0 °F	74.9 °F					
Depression	6.5 °F	9.2 °F	22.2 °F	44.1 °F					
Relative Humidity	63.8%	57.4%	30.0%	26.0%					85%
Dew Point	47.1 °F	54.0 °F	58.0 °F	59.4 °F					
Steel temp	57.7 °F	70.4 °F	97.9 °F	103.5 °F					40-120 F
Difference	10.6 °F	16.4 °F	22.2 °F	44.1 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER** _____

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.5 mils

PRESS-O-FILM™ Made in U.S.A.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample 7.15.22
reading 3.5
gage less 2.0 mils or 50 µm

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE ABRASIVE BLASTING ON ZONE 1 AREA D LEVELS 22 AND 23.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 07/15/22
QC Supervisor Signature: _____ Date: 7/15/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Saturday, July 16, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	SANDBLASTING AT ZONE 1 AREA D LEVEL 18 AND 19.		MOFFET FIELD,CA. 94305

Environmental Conditions:

	7:02 AM	11:02 AM	3:02 PM	7:02 PM					Specified Conditions
Time									
Dry Bulb	67.0 °F	80.0 °F	104.2 °F	101.0 °F					40-120 F
Wet Bulb	60.8 °F	66.1 °F	77.0 °F	75.9 °F					
Depression	6.2 °F	13.9 °F	27.2 °F	25.1 °F					
Relative Humidity	69.3%	45.6%	25.5%	28.1%					85%
Dew Point	56.6 °F	57.1 °F	61.8 °F	62.0 °F					
Steel temp	63.4 °F	82.6 °F	108.4 °F	102.2 °F					40-120 F
Difference	6.7 °F	25.5 °F	46.5 °F	40.2 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER** _____

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.6 mils

PRESS-O-FILM™ Made in U.S.A.
sample 7-16-22 reading 3.6 gage less 2.0 mils or 50 µm
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-RIG BLAST HOSES AND STARTED ABRASIVE BLASTING IN ZONE 1 AREA D LEVELS 18 AND 19.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 07/16/22
QC Supervisor Signature: _____ Date: 7/16/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Monday, July 18, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	SANDBLASTING AT ZONE 1 AREA D LEVEL 22 AND 23.		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:02 AM	9:02 AM	1:02 PM	5:02 PM					Specified Conditions
Time									
Dry Bulb	64.1 °F	70.6 °F	97.0 °F	104.5 °F					40-120 F
Wet Bulb	56.8 °F	61.8 °F	73.9 °F	76.9 °F					
Depression	7.3 °F	8.8 °F	23.1 °F	27.6 °F					
Relative Humidity	62.5%	59.8%	30.2%	24.8%					85%
Dew Point	51.1 °F	55.9 °F	60.6 °F	61.4 °F					
Steel temp	62.8 °F	70.6 °F	99.5 °F	107.8 °F					40-120 F
Difference	11.7 °F	14.7 °F	38.9 °F	46.4 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.5 mils

PRESS-O-FILM™ Made in U.S.A.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample reading 3.5 gage less 2.0 mils or 50 µm

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE
ABRASIVE BLASTING IN ZONE 1 AREA D LEVELS 22 AND 23.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 07/18/22
QC Supervisor Signature: _____ Date: ~~07/18/22~~ 2-2-23

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Tuesday, July 19, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	SANDBLASTING AT ZONE 1 AREA D LEVEL 22 AND 23.		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:02 AM	9:02 AM	1:02 PM	5:02 PM					Specified Conditions
Time									
Dry Bulb	62.9 °F	68.2 °F	92.4 °F	98.7 °F					40-120 F
Wet Bulb	55.9 °F	60.4 °F	71.6 °F	74.0 °F					
Depression	7.0 °F	7.8 °F	20.8 °F	24.7 °F					
Relative Humidity	63.6%	62.6%	32.8%	27.1%					85%
Dew Point	50.3 °F	55.0 °F	58.9 °F	58.9 °F					
Steel temp	61.6 °F	68.3 °F	96.2 °F	101.0 °F					40-120 F
Difference	11.3 °F	13.3 °F	37.3 °F	42.1 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER** _____

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.2 mils

PRESS-O-FILM™ sample reading 3.2 gage less 2.0 mils or 50 µm
X COARSE Plus (useful range: see data sheet)
TESTEX NEWARK, DE 19715 USA Made in U.S.A.

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____ _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE ABRASIVE BLASTING IN ZONE 1 AREA D LEVELS 22 AND 23.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 07/19/22
QC Supervisor Signature: _____ Date: 07/19/22

Form No. QC0005 Revision: 0 Rev. Date 28-Oct-20
Distribution: 1. Jobsite file 2. Project Manager 3. Client

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Wednesday, July 20, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING IN ZONE 1 AREA B LEVELS 11,13,15,17		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:02 AM	9:02 AM	1:02 PM	5:02 PM					Specified Conditions
Time									
Dry Bulb	61.9 °F	62.2 °F	71.2 °F	80.1 °F					40-120 F
Wet Bulb	56.6 °F	57.1 °F	63.7 °F	67.2 °F					
Depression	5.3 °F	5.1 °F	7.5 °F	12.9 °F					
Relative Humidity	71.4%	72.7%	65.4%	49.6%					85%
Dew Point	52.6 °F	53.3 °F	59.0 °F	59.5 °F					
Steel temp	60.4 °F	61.0 °F	70.6 °F	78.4 °F					40-120 F
Difference	7.8 °F	7.6 °F	11.5 °F	18.9 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER** _____

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.4 mils

PRESS-O-FILM™ Made in U.S.A.
sample 7-20-22 3.4
reading less 2.0 mils or 50 µm gage
X COARSE Plus (useful range: see data sheet)
TESTEX NEWARK, DE 19715 USA

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____ _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-STARTED ABRASIVE BLASTING IN ZONE 1 AREA B,LEVELS 11,13,15 AND 17.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 07/20/22
QC Supervisor Signature: _____ Date: 7/20/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: ABRASIVE BLASTING IN ZONE 1 AREA B LEVELS 11,12,13,14,15,16,17

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Thursday, July 21, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:45 AM	9:45 AM	1:45 PM	5:45 PM					Specified Conditions
Time									
Dry Bulb	62.0 °F	63.3 °F	68.2 °F	76.2 °F					40-120 F
Wet Bulb	56.5 °F	57.5 °F	61.1 °F	64.8 °F					
Depression	5.5 °F	5.8 °F	7.1 °F	11.4 °F					
Relative Humidity	70.6%	69.8%	66.0%	52.7%					85%
Dew Point	52.4 °F	53.3 °F	56.4 °F	57.6 °F					
Steel temp	61.0 °F	62.3 °F	67.8 °F	75.9 °F					40-120 F
Difference	8.6 °F	9.1 °F	11.4 °F	18.2 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER**

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]
Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.5 mils

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep:
Specified Material: Material Applied:
Part A Batch #'s: Part A Batch #'s:
Part B Batch #'s: Part B Batch #'s:
Part C Batch #'s: Part C Batch #'s:
Thinner Batch #'s: Thinner Batch #'s:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: Material Applied:
Part A Batch #'s: Part A Batch #'s:
Part B Batch #'s: Part B Batch #'s:
Part C Batch #'s: Part C Batch #'s:
Thinner Batch #'s: Thinner Batch #'s:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: Typical Wet Film Readings: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE
ABRASIVE BLASTING IN ZONE 1 AREA B,LEVELS 11,12.13,14,15,16 AND 17.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: Date: 07/21/22
QC Supervisor Signature: Date: 7/21/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Wednesday, June 22, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	SANDBLASTING AT ZONE 1 AREA C LEVELS 13 TO 17.		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:27 AM	9:27 AM	1:27 PM	5:27 PM					Specified Conditions
Time									
Dry Bulb	77.7 °F	74.0 °F	87.2 °F	84.3 °F					40-120 F
Wet Bulb	60.7 °F	62.2 °F	68.4 °F	67.4 °F					
Depression	17.0 °F	11.8 °F	18.6 °F	17.2 °F					
Relative Humidity	30.0%	49.1%	34.9%	37.6%					85%
Dew Point	43.8 °F	53.7 °F	56.0 °F	55.7 °F					
Steel temp	77.0 °F	73.5 °F	87.2 °F	84.3 °F					40-120 F
Difference	33.2 °F	19.8 °F	31.2 °F	28.4 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.6 mils

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE AND SQUARE UP SANDBLASTING ON ZONE 1 AREA C LEVELS 13 TO 17.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 06/22/22
QC Supervisor Signature: _____ Date: 6/29/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Wednesday, June 22, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	SANDBLASTING AT ZONE 1 AREA D LEVELS 25 AND 26.		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:10 AM	9:10 AM	1:03 PM	5:10 PM					Specified Conditions
Time									
Dry Bulb	62.8 °F	79.3 °F	112.6 °F	119.0 °F					40-120 F
Wet Bulb	54.9 °F	65.0 °F	79.9 °F	82.9 °F					
Depression	7.9 °F	14.3 °F	32.7 °F	36.1 °F					
Relative Humidity	58.2%	43.8%	19.7%	18.0%					85%
Dew Point	47.9 °F	55.3 °F	61.5 °F	64.1 °F					
Steel temp	61.2 °F	81.8 °F	118.6 °F	121.7 °F					40-120 F
Difference	13.3 °F	26.5 °F	57.1 °F	57.6 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.4 mils

PRESS-O-FILM™ Made in U.S.A.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample reading 3.4 gage less 2.0 mils 6-25-22
or 50 µm

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE SANDBLASTING ON ZONE 1 AREA D LEVELS 25 AND 26.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 06/25/22
QC Supervisor Signature: _____ Date: 6/28/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: SANDBLASTING AT ZONE 1 AREA D LEVELS 26 AND 27.

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Wednesday, June 22, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:46 AM	9:46 AM	1:10 PM	5:10 PM					Specified Conditions
Time									
Dry Bulb	79.4 °F	88.8 °F	123.2 °F	98.0 °F					40-120 F
Wet Bulb	61.3 °F	69.6 °F	83.6 °F	73.0 °F					
Depression	18.1 °F	19.2 °F	39.6 °F	25.0 °F					
Relative Humidity	27.0%	34.8%	14.3%	25.5%					85%
Dew Point	42.5 °F	57.1 °F	60.9 °F	56.7 °F					
Steel temp	78.9 °F	90.0 °F	130.5 °F	98.3 °F					40-120 F
Difference	36.4 °F	32.8 °F	69.7 °F	41.6 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]
Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.6 mils

PRESS-O-FILM™ Made in U.S.A.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample reading 3.6 6/22/22
gage less 2.0 mils or 50 µm

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep:
Specified Material: Material Applied:
Part A Batch #'s: Part A Batch #'s:
Part B Batch #'s: Part B Batch #'s:
Part C Batch #'s: Part C Batch #'s:
Thinner Batch #'s: Thinner Batch #'s:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: Material Applied:
Part A Batch #'s: Part A Batch #'s:
Part B Batch #'s: Part B Batch #'s:
Part C Batch #'s: Part C Batch #'s:
Thinner Batch #'s: Thinner Batch #'s:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: Typical Wet Film Readings: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE
SANDBLASTING ON ZONE 1 AREA D LEVELS 26 AND 27.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: Date: 06/22/22
QC Supervisor Signature: Date: 6/28/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: ABRASIVE BLASTING IN ZONE 1 AREA B GROUND LEVEL TO LEVEL 11.

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Saturday, July 23, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:45 AM	9:45 AM	1:45 PM	5:45 PM					Specified Conditions
Time									
Dry Bulb	61.1 °F	62.1 °F	67.4 °F	76.2 °F					40-120 F
Wet Bulb	55.1 °F	56.8 °F	61.2 °F	66.1 °F					
Depression	6.0 °F	5.3 °F	6.2 °F	9.5 °F					
Relative Humidity	67.7%	71.9%	69.4%	60.2%					85%
Dew Point	50.3 °F	52.9 °F	57.1 °F	61.4 °F					
Steel temp	59.8 °F	61.0 °F	66.9 °F	75.9 °F					40-120 F
Difference	9.5 °F	8.0 °F	9.8 °F	14.5 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER**

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.2 mils

PRESS-O-FILM™ Made in U.S.A.
sample reading 3.2 gage less 2.0 mils or 50 µm
X COARSE Plus (useful range: see data sheet)
TESTEX NEWARK, DE 19715 USA
7.23.22

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE
ABRASIVE BLASTING IN ZONE 1 AREA B, FROM GROUND LEVEL TO LEVEL11.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 07/23/22
QC Supervisor Signature: _____ Date: 7/25/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Monday, July 25, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	SANDBLASTING AT ZONE 1 AREA D LEVEL 18 TO 22.		MOFFET FIELD,CA. 94305

Environmental Conditions:

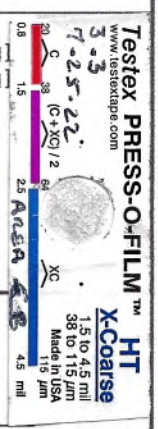
	5:02 AM	9:02 AM	1:02 PM	5:02 PM					Specified Conditions
Time									
Dry Bulb	63.3 °F	65.1 °F	75.5 °F	96.9 °F					40-120 F
Wet Bulb	56.3 °F	61.5 °F	66.0 °F	78.1 °F					
Depression	7.0 °F	3.6 °F	9.5 °F	18.8 °F					
Relative Humidity	63.8%	81.2%	59.6%	41.8%					85%
Dew Point	50.8 °F	59.2 °F	60.4 °F	69.8 °F					
Steel temp	62.0 °F	64.6 °F	75.7 °F	98.3 °F					40-120 F
Difference	11.2 °F	5.3 °F	15.3 °F	28.5 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER**

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]
Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.3 mils



PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE
ABRASIVE BLASTING IN ZONE 1 AREA D LEVELS 18 TO 22
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 07/25/22
QC Supervisor Signature: _____ Date: 7/26/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: ABRASIVE BLASTING IN ZONE 1 AREA B GROUND LEVEL TO LEVEL 11.

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Monday, July 25, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

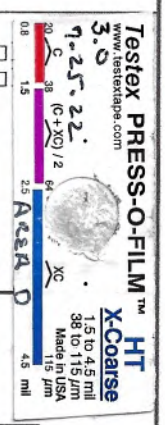
	5:45 AM	9:45 AM	1:45 PM	5:45 PM					Specified Conditions
Time									
Dry Bulb	62.0 °F	63.7 °F	68.9 °F	77.6 °F					40-120 F
Wet Bulb	57.0 °F	58.3 °F	62.1 °F	67.3 °F					
Depression	5.0 °F	5.4 °F	6.8 °F	10.3 °F					
Relative Humidity	73.4%	72.2%	67.6%	57.8%					85%
Dew Point	53.4 °F	54.6 °F	57.8 °F	61.6 °F					
Steel temp	60.8 °F	62.7 °F	68.6 °F	77.2 °F					40-120 F
Difference	7.4 °F	8.2 °F	10.9 °F	15.7 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]
Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3 mils



PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE ABRASIVE BLASTING IN ZONE 1 AREA B, FROM GROUND LEVEL TO LEVEL11.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 07/25/22
QC Supervisor Signature: _____ Date: 7/26/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: SANDBLASTING AT ZONE 1 AREA D LEVEL 18 TO 20.

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Wednesday, July 27, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:02 AM	9:02 AM	1:02 PM	5:02 PM					Specified Conditions
Time									
Dry Bulb	66.0 °F	68.8 °F	76.8 °F	96.6 °F					40-120 F
Wet Bulb	59.9 °F	61.4 °F	65.6 °F	74.8 °F					
Depression	6.1 °F	7.4 °F	11.2 °F	21.8 °F					
Relative Humidity	69.5%	67.9%	53.6%	33.3%					85%
Dew Point	55.7 °F	57.0 °F	58.7 °F	63.0 °F					
Steel temp	64.8 °F	67.5 °F	77.3 °F	97.7 °F					40-120 F
Difference	9.0 °F	10.5 °F	18.6 °F	334.75.					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER** _____

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.5 mils

PRESS-O-FILM™ Made in U.S.A.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample reading 3.5 mils
gage less 2.0 mils or 50 µm

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE ABRASIVE BLASTING IN ZONE 1 AREA D LEVELS 18 TO 20.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 07/27/22
QC Supervisor Signature: _____ Date: 8/1/22

Form No. QC0005 Revision: 0 Rev. Date: 28-Oct-20
Distribution: 1. Jobsite file 2. Project Manager 3. Client
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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: ABRASIVE BLASTING IN ZONE 1 AREA B GROUND LEVEL TO LEVEL 10.

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Wednesday, July 27, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

									Specified Conditions
Time	5:45 AM	9:45 AM	1:45 PM	5:45 PM					
Dry Bulb	64.9 °F	66.4 °F	70.5 °F	77.8 °F					40-120 F
Wet Bulb	59.6 °F	60.8 °F	63.2 °F	66.5 °F					
Depression	5.3 °F	5.6 °F	7.3 °F	11.3 °F					
Relative Humidity	73.0%	72.1%	66.2%	54.1%					85%
Dew Point	56.0 °F	57.2 °F	58.6 °F	59.9 °F					
Steel temp	63.7 °F	64.9 °F	69.6 °F	77.4 °F					40-120 F
Difference	7.7 °F	7.7 °F	11.0 °F	17.6 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER**

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]
Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.5 mils

PRESS-O-FILM™ Made in U.S.A.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample 7-27-22 reading 3.5 gage less 2.0 mils or 50 µm

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: ____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: ____
Specified Material: ____ Material Applied: ____
Part A Batch #'s: ____ Part A Batch #'s: ____
Part B Batch #'s: ____ Part B Batch #'s: ____
Part C Batch #'s: ____ Part C Batch #'s: ____
Thinner Batch #'s: ____ Thinner Batch #'s: ____
Mix Time: ____ Start Application: ____ Time Complete: ____ Pot Life: ____
Mix Time: ____ Start Application: ____ Time Complete: ____ Pot Life: ____
Mix Time: ____ Start Application: ____ Time Complete: ____ Pot Life: ____
Material Temp: ____ mils
Qty. Mixed: ____ Qty. Applied: ____ Approximate SF: ____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: ____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: ____ Material Applied: ____
Part A Batch #'s: ____ Part A Batch #'s: ____
Part B Batch #'s: ____ Part B Batch #'s: ____
Part C Batch #'s: ____ Part C Batch #'s: ____
Thinner Batch #'s: ____ Thinner Batch #'s: ____
Mix Time: ____ Start Application: ____ Time Complete: ____ Pot Life: ____
Mix Time: ____ Start Application: ____ Time Complete: ____ Pot Life: ____
Mix Time: ____ Start Application: ____ Time Complete: ____ Pot Life: ____
Material Temp: ____ Typical Wet Film Readings: ____ mils
Qty. Mixed: ____ Qty. Applied: ____ Approximate SF: ____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE ABRASIVE BLASTING IN ZONE 1 AREA B, FROM GROUND LEVEL TO LEVEL10. ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: ____ Date: 07/27/22
QC Supervisor Signature: ____ Date: 8/1/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: SANDBLASTING AT ZONE 1 AREA D LEVEL 18 TO 20.

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Thursday, July 28, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:02 AM	9:02 AM	1:02 PM	5:02 PM					Specified Conditions
Time									
Dry Bulb	63.9 °F	66.4 °F	75.4 °F	93.7 °F					40-120 F
Wet Bulb	57.6 °F	59.5 °F	64.5 °F	73.1 °F					
Depression	6.3 °F	6.9 °F	10.9 °F	20.6 °F					
Relative Humidity	67.7%	65.7%	53.8%	34.6%					85%
Dew Point	53.0 °F	54.6 °F	57.5 °F	61.6 °F					
Steel temp	62.8 °F	65.5 °F	75.3 °F	94.8 °F					40-120 F
Difference	9.8 °F	10.9 °F	17.8 °F	33.2 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

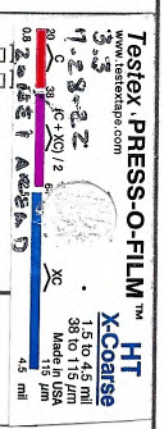
Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER** _____

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.3 mils



PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE ABRASIVE BLASTING IN ZONE 1 AREA D LEVELS 18 TO 20.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 07/28/22
QC Supervisor Signature: _____ Date: 7/28/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: ABRASIVE BLASTING IN ZONE 1 AREA B GROUND LEVEL TO LEVel 4

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Thursday, July 28, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

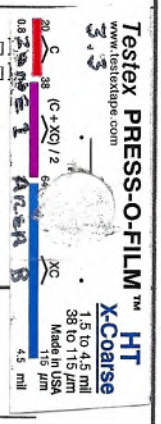
	5:45 AM	9:45 AM	1:45 PM	5:45 PM					Specified Conditions
Time									
Dry Bulb	63.5 °F	65.4 °F	69.6 °F	74.9 °F					40-120 F
Wet Bulb	58.4 °F	59.7 °F	62.3 °F	65.2 °F					
Depression	5.1 °F	5.7 °F	7.3 °F	9.7 °F					
Relative Humidity	73.1%	71.4%	65.9%	58.7%					85%
Dew Point	54.8 °F	55.9 °F	57.7 °F	59.4 °F					
Steel temp	62.3 °F	64.5 °F	68.8 °F	74.1 °F					40-120 F
Difference	7.6 °F	8.6 °F	11.1 °F	14.7 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER** _____

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]
Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.3 mils



PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE
ABRASIVE BLASTING IN ZONE 1 AREA B, FROM GROUND LEVEL TO LEVEL 4.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 07/28/22
QC Supervisor Signature: _____ Date: 8/1/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Friday, July 29, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING IN ZONE 1 AREA B GROUND LEVEL TO LEVEL 3		MOFFET FIELD,CA. 94305

Environmental Conditions:

									Specified Conditions
Time	5:45 AM	9:45 AM	1:45 PM	5:45 PM					
Dry Bulb	64.1 °F	66.5 °F	71.3 °F	76.8 °F					40-120 F
Wet Bulb	58.6 °F	60.4 °F	63.6 °F	66.5 °F					
Depression	5.5 °F	6.1 °F	7.7 °F	10.3 °F					
Relative Humidity	71.7%	70.0%	64.8%	57.4%					85%
Dew Point	54.7 °F	56.4 °F	58.9 °F	60.6 °F					
Steel temp	62.9 °F	65.5 °F	70.8 °F	76.3 °F					40-120 F
Difference	8.2 °F	9.0 °F	11.9 °F	15.7 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

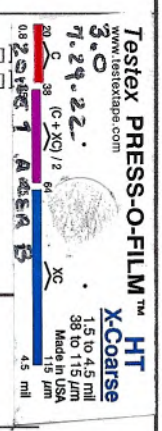
SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER** _____

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3 mils



PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____

Part A Batch #'s:		Part A Batch #'s:	
Part B Batch #'s:		Part B Batch #'s:	
Part C Batch #'s:		Part C Batch #'s:	
Thinner Batch #'s:		Thinner Batch #'s:	

Mix Time:		Start Application:		Time Complete:		Pot Life:	
Mix Time:		Start Application:		Time Complete:		Pot Life:	
Mix Time:		Start Application:		Time Complete:		Pot Life:	

Material Temp: _____ _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____

Part A Batch #'s:		Part A Batch #'s:	
Part B Batch #'s:		Part B Batch #'s:	
Part C Batch #'s:		Part C Batch #'s:	
Thinner Batch #'s:		Thinner Batch #'s:	

Mix Time:		Start Application:		Time Complete:		Pot Life:	
Mix Time:		Start Application:		Time Complete:		Pot Life:	
Mix Time:		Start Application:		Time Complete:		Pot Life:	

Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE ABRASIVE BLASTING IN ZONE 1 AREA B, FROM GROUND LEVEL TO LEVEL 3.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 07/29/22
QC Supervisor Signature: _____ Date: 8/1/22

Form No. QC0005 Revision: 0 Rev. Date 28-Oct-20
Distribution: 1. Jobsite file 2. Project Manager 3. Client

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: ABRASIVE BLASTING IN ZONE 1 AREA B GROUND LEVEL TO LEVEL 3

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Saturday, July 30, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

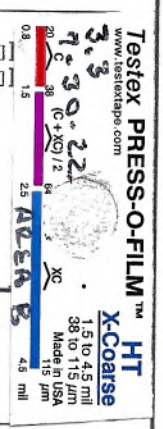
Time	5:45 AM	9:45 AM	1:45 PM	5:45 PM					Specified Conditions
Dry Bulb	65.7 °F	66.1 °F	69.9 °F	75.7 °F					40-120 F
Wet Bulb	60.1 °F	60.5 °F	63.4 °F	67.0 °F					
Depression	5.6 °F	5.6 °F	6.5 °F	8.7 °F					
Relative Humidity	71.9%	72.1%	69.9%	62.9%					85%
Dew Point	56.4 °F	56.8 °F	59.6 °F	62.2 °F					
Steel temp	64.5 °F	64.9 °F	68.8 °F	75.1 °F					40-120 F
Difference	8.1 °F	8.1 °F	9.2 °F	12.9 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☑ NO ☐
Specified Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☑ SP 7 ☐ SP 10 ☐ SP 11 ☐
Actual Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☑ SP 7 ☐ SP 10 ☐ SP 11 ☐
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES ☑ NO ☐
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES ☑ NO ☐
Abrasive cleanliness inspected and acceptable: YES ☑ NO ☐
Vial test performed on this batch of abrasive? YES ☑ NO ☐
Profile specified: 2 mils Actual Profile: 3.3 mils



PRIMER

Soluble Salt Test Performed: YES ☐ NO ☐ Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES ☐ NO ☐
Paint mixed per manufacturer's instructions: YES ☐ NO ☐
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐
Soluble Salt Test Performed: YES ☐ NO ☐ Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES ☐ NO ☐
Paint mixed per manufacturer's instructions: YES ☐ NO ☐
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE ABRASIVE BLASTING IN ZONE 1 AREA B, FROM GROUND LEVEL TO LEVEL 3. ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 07/30/22
QC Supervisor Signature: _____ Date: 8/1/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Monday, August 1, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING IN ZONE 1 AREA B GROUND LEVEL		MOFFET FIELD,CA. 94305

Environmental Conditions:

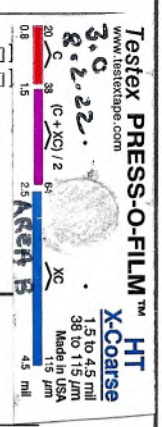
	5:45 AM	9:45 AM	1:45 PM	5:45 PM					Specified Conditions
Time									
Dry Bulb	65.0 °F	66.0 °F	71.9 °F	80.3 °F					40-120 F
Wet Bulb	60.1 °F	61.4 °F	65.1 °F	66.9 °F					
Depression	4.9 °F	4.6 °F	6.8 °F	13.4 °F					
Relative Humidity	74.8%	77.1%	69.2%	47.9%					85%
Dew Point	56.8 °F	58.6 °F	61.3 °F	58.7 °F					
Steel temp	63.9 °F	64.9 °F	71.6 °F	80.0 °F					40-120 F
Difference	7.1 °F	6.3 °F	10.3 °F	21.2 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER** _____

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]
Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3 mils



PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____

Part A Batch #'s:		Part A Batch #'s:	
Part B Batch #'s:		Part B Batch #'s:	
Part C Batch #'s:		Part C Batch #'s:	
Thinner Batch #'s:		Thinner Batch #'s:	

Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____

Part A Batch #'s:		Part A Batch #'s:	
Part B Batch #'s:		Part B Batch #'s:	
Part C Batch #'s:		Part C Batch #'s:	
Thinner Batch #'s:		Thinner Batch #'s:	

Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE ABRASIVE BLASTING IN ZONE 1 AREA B, GROUND LEVEL.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 08/01/22
QC Supervisor Signature: _____ Date: 8/2/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: ABRASIVE BLASTING IN ZONE 1 AREA B GROUND LEVEL

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Tuesday, August 2, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

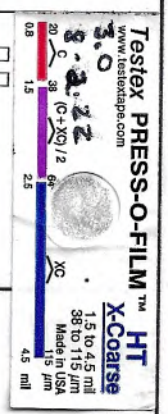
	5:45 AM	9:45 AM	1:45 PM	5:45 PM					Specified Conditions
Time									
Dry Bulb	67.9 °F	70.0 °F	78.9 °F	80.8 °F					40-120 F
Wet Bulb	61.3 °F	63.3 °F	67.0 °F	68.0 °F					
Depression	6.6 °F	6.7 °F	11.9 °F	12.8 °F					
Relative Humidity	68.4%	69.1%	52.5%	50.3%					85%
Dew Point	57.1 °F	59.3 °F	60.0 °F	60.6 °F					
Steel temp	66.9 °F	69.2 °F	78.6 °F	80.2 °F					40-120 F
Difference	9.8 °F	9.9 °F	18.6 °F	19.6 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER** _____

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]
Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3 mils



PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE ABRASIVE BLASTING IN ZONE 1 AREA B, GROUND LEVEL.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 08/02/22
QC Supervisor Signature: _____ Date: 8/3/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Wednesday, August 3, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING IN ZONE 1 AREA B GROUND LEVEL		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:45 AM	9:45 AM	1:45 PM	5:45 PM					Specified Conditions
Time									
Dry Bulb	65.4 °F	66.9 °F	72.6 °F	79.7 °F					40-120 F
Wet Bulb	59.4 °F	61.4 °F	64.8 °F	68.0 °F					
Depression	6.0 °F	5.5 °F	7.8 °F	11.7 °F					
Relative Humidity	69.9%	72.8%	65.4%	53.4%					85%
Dew Point	55.3 °F	57.9 °F	60.3 °F	61.3 °F					
Steel temp	64.3 °F	65.9 °F	72.2 °F	79.2 °F					40-120 F
Difference	9.0 °F	8.0 °F	11.8 °F	17.9 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER** _____

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☐]	SP 7 [☐]	SP 10 [☑]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 2.7 mils

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____ _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE AND FINISH ABRASIVE BLASTING IN ZONE 1 AREA B, GROUND LEVEL.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 08/03/22
QC Supervisor Signature: _____ Date: 8/4/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: ABRASIVE BLASTING IN ZONE 1 AREA B GROUND LEVEL

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Thursday, August 4, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:45 AM	9:45 AM	1:45 PM						Specified Conditions
Time									
Dry Bulb	66.8 °F	68.3 °F	75.6 °F						40-120 F
Wet Bulb	60.9 °F	62.7 °F	67.1 °F						
Depression	5.9 °F	5.6 °F	8.5 °F						
Relative Humidity	70.9%	73.2%	63.7%						85%
Dew Point	57.1 °F	59.4 °F	62.4 °F						
Steel temp	65.7 °F	67.6 °F	75.3 °F						40-120 F
Difference	8.6 °F	8.3 °F	12.8 °F						+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE						

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER _____

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☐] SP 7 [☐] SP 10 [☑] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3 mils

PRESS-O-FILM™ Made in U.S.A.
sample reading 8.4.22
gage less 2.0 mils or 50 µm
X COARSE Plus (useful range: see data sheet)
TESTEX NEWARK, DE 19715 USA

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-SPOT BLASTED
MISSED AREAS IN ZONE 1 AREA B, GROUND LEVEL,STARTED BLOWING DOWN AFTER THAT.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 08/04/22
QC Supervisor Signature: _____ Date: 8/4/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD,CALIFORNIA
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: ABRASIVE BLASTING IN ZONE 1 AREA A

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Monday, August 8, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:56 AM	9:56 AM	1:56 PM	5:56 PM					Specified Conditions
Time									
Dry Bulb	58.5 °F	69.2 °F	73.6 °F	75.6 °F					40-120 F
Wet Bulb	55.9 °F	62.8 °F	64.0 °F	64.7 °F					
Depression	2.6 °F	5.9 °F	9.6 °F	10.9 °F					
Relative Humidity	85.5%	64.9%	58.2%	54.1%					85%
Dew Point	54.1 °F	56.9 °F	58.0 °F	57.8 °F					
Steel temp	57.1 °F	68.9 °F	73.0 °F	75.3 °F					40-120 F
Difference	3.0 °F	12.0 °F	15.0 °F	17.5 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

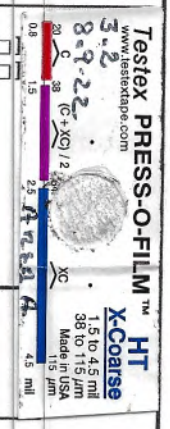
Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER** _____

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☐] SP 7 [☐] SP 10 [☑] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.2 mils



PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-STARTED
ABRASIVE BLASTING IN ZONE 1 AREA A, GROUND LEVEL TO LEVEL 17.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 08/08/22
QC Supervisor Signature: _____ Date: 8/9/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD,CALIFORNIA
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: ABRASIVE BLASTING IN ZONE 1 AREA A

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Tuesday, August 9, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

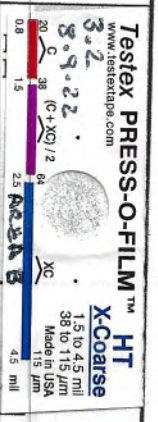
									Specified Conditions
Time	5:56 AM	9:56 AM	1:56 PM	5:56 PM					
Dry Bulb	63.3 °F	69.6 °F	75.6 °F	74.2 °F					40-120 F
Wet Bulb	57.4 °F	61.5 °F	63.6 °F	64.1 °F					
Depression	5.9 °F	8.1 °F	12.0 °F	10.1 °F					
Relative Humidity	69.3%	62.0%	49.8%	56.2%					85%
Dew Point	53.1 °F	56.0 °F	55.5 °F	57.6 °F					
Steel temp	62.4 °F	69.3 °F	75.3 °F	74.0 °F					40-120 F
Difference	9.8 °F	13.3 °F	19.8 °F	16.3 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER**

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]
Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☐] SP 7 [☐] SP 10 [☑] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.2 mils



PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep:
Specified Material: Material Applied:
Part A Batch #'s: Part A Batch #'s:
Part B Batch #'s: Part B Batch #'s:
Part C Batch #'s: Part C Batch #'s:
Thinner Batch #'s: Thinner Batch #'s:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp:
Qty. Mixed: Qty. Applied: Approximate SF: mils
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: Material Applied:
Part A Batch #'s: Part A Batch #'s:
Part B Batch #'s: Part B Batch #'s:
Part C Batch #'s: Part C Batch #'s:
Thinner Batch #'s: Thinner Batch #'s:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Mix Time: Start Application: Time Complete: Pot Life:
Material Temp: Typical Wet Film Readings: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE
ABRASIVE BLASTING IN ZONE 1 AREA A, GROUND LEVEL TO LEVEL 17.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: Date: 08/09/22
QC Supervisor Signature: Date: 8/10/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD,CALIFORNIA
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Wednesday, August 10, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING IN ZONE 1 AREA A		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:56 AM	9:56 AM	1:56 PM	5:56 PM					Specified Conditions
Time									
Dry Bulb	63.8 °F	71.8 °F	76.2 °F	75.9 °F					40-120 F
Wet Bulb	57.7 °F	63.1 °F	65.5 °F	66.1 °F					
Depression	6.1 °F	8.7 °F	10.7 °F	9.8 °F					
Relative Humidity	68.6%	60.5%	55.0%	58.5%					85%
Dew Point	53.2 °F	57.5 °F	58.9 °F	60.3 °F					
Steel temp	63.0 °F	71.6 °F	76.3 °F	75.5 °F					40-120 F
Difference	9.8 °F	14.2 °F	17.5 °F	15.2 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER** _____

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☐] SP 7 [☐] SP 10 [☑] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3,5 mils

sample 8.10.22 reading 3.5 gage less 2.0 mils or 50 µm
X COARSE Plus (useful range: see data sheet)
PRESS-O-FILM™ TESTEX NEWARK, DE 19715 USA Made in U.S.A.
AREA A

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE ABRASIVE BLASTING IN ZONE 1 AREA A, GROUND LEVEL TO LEVEL 17.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
~~QC Inspector Signature:~~ _____ ~~Date:~~ ~~08/10/22~~
~~QC Supervisor Signature:~~ _____ ~~Date:~~ 8/11/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD,CALIFORNIA
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: ABRASIVE BLASTING IN ZONE 1 AREA A

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Thursday, August 11, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:45 AM	9:45 AM	1:45 PM	5:24 PM					Specified Conditions
Time									
Dry Bulb	64.7 °F	69.1 °F	73.3 °F	73.6 °F					40-120 F
Wet Bulb	58.8 °F	62.1 °F	64.2 °F	64.4 °F					
Depression	5.9 °F	7.0 °F	9.1 °F	9.2 °F					
Relative Humidity	69.9%	67.0%	60.1%	59.9%					85%
Dew Point	54.7 °F	57.6 °F	58.6 °F	58.8 °F					
Steel temp	63.8 °F	68.5 °F	72.6 °F	73.0 °F					40-120 F
Difference	9.1 °F	10.8 °F	14.0 °F	14.2 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER**

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]
Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☐] SP 7 [☐] SP 10 [☑] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.3 mils

PRESS-O-FILM™ Made in U.S.A.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample 8.11.22 AREA A
reading 3.3
gage less 2.0 mils or 50 µm

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE
ABRASIVE BLASTING IN ZONE 1 AREA A, GROUND LEVEL TO LEVEL 17.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 08/11/22
QC Supervisor Signature: _____ Date: 8/12/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD,CALIFORNIA
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Friday, August 12, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING IN ZONE 1 AREA A		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:24 AM	9:24 AM	1:24 PM	5:24 PM					Specified Conditions
Time									
Dry Bulb	62.0 °F	69.4 °F	73.3 °F	74.7 °F					40-120 F
Wet Bulb	56.3 °F	61.0 °F	64.1 °F	64.8 °F					
Depression	5.7 °F	8.4 °F	9.2 °F	9.9 °F					
Relative Humidity	69.6%	60.8%	59.8%	57.4%					85%
Dew Point	51.9 °F	55.3 °F	58.5 °F	58.6 °F					
Steel temp	61.0 °F	69.5 °F	73.0 °F	74.2 °F					40-120 F
Difference	9.1 °F	14.2 °F	14.5 °F	9.9 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER** _____

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☐]	SP 7 [☐]	SP 10 [☑]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.5 mils

PRESS-O-FILM™ Made in U.S.A.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample 8-13-22 AREA A
reading 3.5
gage less 2.0 mils or 50 µm

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____ _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE
ABRASIVE BLASTING IN ZONE 1 AREA A, GROUND LEVEL TO LEVEL 17.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 08/12/22
QC Supervisor Signature: _____ Date: 8/15/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD,CALIFORNIA
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Saturday, August 13, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING IN ZONE 1 AREA A		MOFFET FIELD.CA. 94305

Environmental Conditions:

									Specified Conditions
Time	5:24 AM	9:24 AM	1:24 PM	5:24 PM					
Dry Bulb	62.2 °F	70.5 °F	78.3 °F	77.8 °F					40-120 F
Wet Bulb	55.9 °F	61.2 °F	65.9 °F	65.7 °F					
Depression	6.3 °F	9.3 °F	12.4 °F	12.1 °F					
Relative Humidity	66.5%	57.4%	49.9%	50.9%					85%
Dew Point	50.9 °F	54.7 °F	58.1 °F	58.2 °F					
Steel temp	61.2 °F	71.0 °F	78.7 °F	79.7 °F					40-120 F
Difference	10.3 °F	16.3 °F	20.6 °F	19.5 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☐]	SP 7 [☐]	SP 10 [☑]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.5 mils

PRESS-O-FILM™ Made in U.S.A. TESTEX NEWARK, DE 19715 USA X COARSE Plus (useful range: see data sheet) sample 8-13-22 reading 3.5 gage loss 2.0 mils or 50 µm

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE
ABRASIVE BLASTING IN ZONE 1 AREA A, GROUND LEVEL TO LEVEL 17.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 08/13/22
QC Supervisor Signature: _____ Date: 8/13/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD,CALIFORNIA
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Monday, August 15, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	SPOT BLAST/SPOT PRIME IN ZONE 1 AREA B		MOFFET FIELD,CA. 94305

Environmental Conditions:

									Specified Conditions
Time	5:30 AM	9:30 AM	1:30 PM						
Dry Bulb	70.1 °F	65.1 °F	72.4 °F						40-120 F
Wet Bulb	60.4 °F	60.6 °F	65.3 °F						
Depression	9.7 °F	5.5 °F	7.1 °F						
Relative Humidity	60.1%	76.8%	67.8%						85%
Dew Point	55.7 °F	57.7 °F	61.2 °F						
Steel temp	69.4 °F	64.1 °F	71.4 °F						40-120 F
Difference	13.7 °F	6.5 °F	10.2 °F						+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE						

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER**

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☐]	SP 7 [☐]	SP 10 [☑]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.4 mils

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☑] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]
Paint mixed per manufacturer's instructions: YES [☑] NO [☐]
Time Elapsed Since Surface Prep: 2 HRS.

Specified Material:	ZINC CLAD 4100	Material Applied:	ZINC CLAD 4100
Part A Batch #'s:	XM0192 01-19-22	Part A Batch #'s:	XM0192 01-19-22
Part B Batch #'s:	HA0272VP 01-27-22	Part B Batch #'s:	HA0272VP 01-27-22
Part C Batch #'s:	1332CL 05-2022	Part C Batch #'s:	1332CL 05-2022
Thinner Batch #'s:	MQ3131 02-20-22	Thinner Batch #'s:	MQ3131 02-20-22

Mix Time:	9:18 AM	Start Application:	10:46 AM	Time Complete:	11:58 AM	Pot Life:	2 - 8 HRS.
Mix Time:		Start Application:		Time Complete:		Pot Life:	
Mix Time:		Start Application:		Time Complete:		Pot Life:	

Material Temp: 67 F 4 TO 7 mils
Qty. Mixed: 3.2 GAL Qty. Applied: 2 GAL Approximate SF: 500
Min. Storage Temp. 40 F Max. Storage Temp. 100 F Actual Storage Temperature 82 F

~~***INTERMEDIATE*** ☐~~ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]

Specified Material:		Material Applied:	
Part A Batch #'s:		Part A Batch #'s:	
Part B Batch #'s:		Part B Batch #'s:	
Part C Batch #'s:		Part C Batch #'s:	
Thinner Batch #'s:		Thinner Batch #'s:	

Mix Time:		Start Application:		Time Complete:		Pot Life:	
Mix Time:		Start Application:		Time Complete:		Pot Life:	
Mix Time:		Start Application:		Time Complete:		Pot Life:	

Material Temp: Typical Wet Film Readings: mils
Qty. Mixed: Qty. Applied: Approximate SF:
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON AIR COMPRESSORS ACCORDING TO ASTM D4285-SPOT BLASTED AND SPOT PRIMED MARKED AREAS FOR RE-WIPE SAMPLING IN ZONE 1 AREA B LEVEL 11. ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: ~~08/15/22~~ 8/16/22
QC Supervisor Signature: _____ Date: 8/16/22

Form No. QC0005 Revision: 0 Rev. Date: 28-Oct-20
Distribution: 1. Jobsite file 2. Project Manager 3. Client
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JOSHUA TILLMAN 8/16/22

CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD,CALIFORNIA
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Tuesday, August 16, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING IN ZONE 1 AREA A		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:24 AM	9:24 AM	1:24 PM	5:24 PM					Specified Conditions
Time									
Dry Bulb	65.8 °F	68.9 °F	79.2 °F	80.7 °F					40-120 F
Wet Bulb	59.3 °F	62.8 °F	65.1 °F	67.5 °F					
Depression	6.5 °F	6.1 °F	14.1 °F	13.2 °F					
Relative Humidity	67.3%	70.9%	44.3%	48.5%					85%
Dew Point	54.7 °F	59.1 °F	55.6 °F	59.5 °F					
Steel temp	64.6 °F	67.9 °F	78.5 °F	79.8 °F					40-120 F
Difference	9.8 °F	8.8 °F	22.9 °F	20.3 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☐]	SP 7 [☐]	SP 10 [☑]	SP 11 [☐]

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.6 mils

PRESS-O-FILM™ Made in U.S.A.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample 8.16.22 reading 3.6 gage less 2.0 mils or 50 µm
AREA A

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE AND FINISHED ABRASIVE BLASTING IN ZONE 1 AREA A, GROUND LEVEL TO LEVEL 17. ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 08/16/22
QC Supervisor Signature: _____ Date: 8/17/22

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD,CALIFORNIA
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: SPOT BLASTING IN ZONE 1 AREA A

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Thursday, August 18, 2022
Address: FORMER NAVAL AIR STATION
MOFFET FIELD,CA. 94305

Environmental Conditions:

									Specified Conditions
Time	5:24 AM	9:24 AM	1:24 PM	5:24 PM					
Dry Bulb	64.1 °F	63.5 °F	74.8 °F	71.2 °F					40-120 F
Wet Bulb	60.8 °F	60.2 °F	65.7 °F	64.0 °F					
Depression	3.3 °F	3.3 °F	9.1 °F	7.2 °F					
Relative Humidity	82.4%	83.1%	60.8%	67.3%					85%
Dew Point	58.7 °F	58.2 °F	60.4 °F	59.8 °F					
Steel temp	63.2 °F	62.2 °F	74.4 °F	70.4 °F					40-120 F
Difference	4.5 °F	4.0 °F	14.0 °F	10.7 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

Environmental Controls? SURFACE PREPARATION AND COATING APPLICATION PERFORMED INSIDE CONTAINMENT
Work area illumination value: 10 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. DEFELSCO Model No. POSITECTOR DPM Serial No. 447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]
Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☐] SP 7 [☐] SP 10 [☑] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.6 mils

PRESS-O-FILM™ Made in U.S.A.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample 8-18-22 reading 3.6 mils
Area A

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____ mils
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☐] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-SPOT BLASTED
DAMAGED AREAS IN ZONE 1 AREA A DUE TO PRESSURE WASHING IN ZONE 1 AREA D.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 08/18/22
QC Supervisor Signature: _____ Date: 8/18/22

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Attachment 2

Validated Confirmation Wipe Sampling Results – Low Occupancy Area within Zone 1

Validated Confirmation Wipe Sampling Results - Low Occupancy Area within Zone 1

Hangar 1 NTCRA

Former Naval Air Station Moffett Field, California

		Lead	PCBs								
		Result	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268
Location ID [a]	Sample Date	µg/ft^2	Concentration - µg/100 cm^2								
Cleanup Goal (Low Occupancy Zone)		**<250**	**≤100**	**≤100**	**≤100**	**≤100**	**≤100**	**≤100**	**≤100**	**≤100**	**≤100**
DOOR-N-0.1GW-DG-13 TO 27-220615-LA [b]	6/15/2022	**59**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.1GW-DG-13 TO 27-220615-DUP-LA	6/15/2022	**100**	--	--	--	--	--	--	--	--	--
DOOR-N-0.9GW-INT-27 TO 15-220615-CB	6/15/2022	**98**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.7GW-EXT-12 TO 13-220615-CB	6/15/2022	**85**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.9GW-PS-26-220615-LA	6/15/2022	**76**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.1GE-PS-26-220615-LA	6/15/2022	**260**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.1GE-DG-14 TO 27-220615-LA	6/15/2022	**170**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.9GE-PS-26-220615-LA	6/15/2022	**270**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.9GE-PS-26-220615-DUP-LA	6/15/2022	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.3GW-DG-11 TO 25-220628-LA	6/28/2022	**50**	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
DOOR-N-0.7GW-DG-11 TO 25-220628-LA	6/28/2022	**71**	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.5GE-INT-25 TO 26-220628-CB	6/28/2022	**190**	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
DOOR-N-0.1GW-INT-26 TO 27-220628-CB	6/28/2022	**93**	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.1GW-INT-26 TO 27-220628-DUP-CB [b]	6/28/2022	**55**	--	--	--	--	--	--	--	--	--
DOOR-N-0.2GW-EXT-10 TO 11-220628-CB	6/28/2022	**25**	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.3GW-INT-25 TO 26-220628-CB	6/28/2022	**110**	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.5GW-DG-12 TO 26-220628-LA	6/28/2022	**81**	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.7GW-EXT-11 TO 12-220628-CB	6/28/2022	**130**	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.9GW-INT-25 TO 26-220628-CB	6/28/2022	**280**	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.3GE-DG-12 TO 25-220628-LA	6/28/2022	**30**	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.5GE-DG-11 TO 25-220628-LA	6/28/2022	**33**	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.8GE-EXT-10 TO 11-220628-CB	6/28/2022	**23**	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.9GE-DG-12 TO 26-220628-LA	6/28/2022	**60**	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.9GE-PS-25-220628-LA	6/28/2022	**63**	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.9GE-PS-25-220628-DUP-LA	6/28/2022	--	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ARCH-C1W-EXT-2 TO 3-220721-WF [b]	7/21/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ARCH-C1W-EXT-2 TO 3-220721-DUP-WF	7/21/2022	**190**	--	--	--	--	--	--	--	--	--
DOOR-N-0.1GW-DG-10 TO 23-220721-LA	7/21/2022	**230**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.4GW-DG-10 TO 24-220721-G	7/21/2022	**170**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.5GW-EXT-9 TO 10-220721-CB	7/21/2022	**96**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.8GW-DG-10 TO 24-220721-G	7/21/2022	**93**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.9GE-INT-23 TO 24-220721-CB	7/21/2022	**220**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.8GE-DG-10 TO 24-220721-G	7/21/2022	**270**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.5GE-EXT-9 TO 10-220721-CB	7/21/2022	**100**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.4GE-DG-10 TO 24-220721-LA	7/21/2022	**170**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.4GE-DG-10 TO 24-220721-DUP-LA	7/21/2022	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Validated Confirmation Wipe Sampling Results - Low Occupancy Area within Zone 1

Hangar 1 NTCRA

Former Naval Air Station Moffett Field, California

		Lead	PCBs								
		Result	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268
Location ID [a]	Sample Date	µg/ft^2	Concentration - µg/100 cm^2								
Cleanup Goal (Low Occupancy Zone)		**<250**	**≤100**	**≤100**	**≤100**	**≤100**	**≤100**	**≤100**	**≤100**	**≤100**	**≤100**
DOOR-N-0.1GE-PS-23-220721-LA	7/21/2022	**170**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ARCH-C1E-EXT-3 TO 4-220721-WF	7/21/2022	**43**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.7GE-PS-23-220721-LA	7/21/2022	**160**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ARCH-C1W-INT-2.5 TO 3.5-220721-WF [c]	7/21/2022	**~~910~~**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ARCH-C1W-INT-2.5 TO 3.5-220802-WF	8/2/2022	**70**	--	--	--	--	--	--	--	--	--
DOOR-N-0.2GW-INT-23 TO 24-220721-CB	7/21/2022	**690**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.3GW-PS-23-220721-G	7/21/2022	**450**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.6GW-DG-9 TO 23-220721-G	7/21/2022	**550**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.6GW-DG-9 TO 23-220721-G-DUP	7/21/2022	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.9GW-EXT-9 TO 10-220721-CB [c]	7/21/2022	**~~560~~**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.9GW-EXT-9 TO 10-220802-CB	8/2/2022	**37**	--	--	--	--	--	--	--	--	--
DOOR-N-0.9GW-EXT-9 TO 10-220721-DUP-CB [d]	7/21/2022	**~~1,100~~**	--	--	--	--	--	--	--	--	--
DOOR-N-0.9GW-EXT-9 TO 10-220802-DUP-CB [b]	8/2/2022	**14**	--	--	--	--	--	--	--	--	--
DOOR-N-0.3GE-PS-23-220721-G	7/21/2022	**130**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ARCH-C1E-INT-2.5 TO 3.5-220721-WF	7/21/2022	**130**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.2GE-EXT-9 TO 10-220721-CB	7/21/2022	**35**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.3GE-PS-22-220802-G	8/2/2022	**100**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.3GE-INT-22 TO 23-220802-CB	8/2/2022	**79**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.4GE-DG-8 TO 21-220802-LA	8/2/2022	**70**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.5GE-DG-8 TO 21-220802-LA	8/2/2022	**50**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.8GE-PS-22-220802-G	8/2/2022	**130**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.7GE-DG-9 TO 22-220802-LA	8/2/2022	**120**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.8GE-EXT-7 TO 8-220802-CB	8/2/2022	**100**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.8GE-EXT-7 TO 8-220802-DUP-CB [b]	8/2/2022	**77**	--	--	--	--	--	--	--	--	--
ARCH-C1E-EXT-4 TO 5-220802-WF	8/2/2022	**170**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ARCH-C1E-EXT-4 TO 5-220802-DUP-WF [b]	8/2/2022	**150**	--	--	--	--	--	--	--	--	--
DOOR-N-0.3GW-PS-22-220802-G	8/2/2022	**91**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.3GW-EXT-8 TO 9-220802-CB	8/2/2022	**200**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.3GW-EXT-8 TO 9-220802-DUP-CB	8/2/2022	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.4GW-DG-8 TO 21-220802-LA	8/2/2022	**300**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.5GW-PS-22-220802-G	8/2/2022	**38**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.5GW-PS-22-220802-DUP-G	8/2/2022	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.7GW-DG-9 TO 22-220802-LA	8/2/2022	**95**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.8GW-INT-21 TO 22-220802-CB	8/2/2022	**61**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ARCH-C1W-EXT-4 TO 5-220802-WF	8/2/2022	**200**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.2GW-DG-7 TO 21-220623-LA	6/23/2022	**37**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Validated Confirmation Wipe Sampling Results - Low Occupancy Area within Zone 1

Hangar 1 NTCRA

Former Naval Air Station Moffett Field, California

		Lead	PCBs								
		Result	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268
Location ID [a]	**Sample Date**	**µg/ft²**	**Concentration - µg/100 cm²**								
Cleanup Goal (Low Occupancy Zone)		**<250**	**≤100**	**≤100**	**≤100**	**≤100**	**≤100**	**≤100**	**≤100**	**≤100**	**≤100**
DOOR-N-0.3GW-DG-6 TO 20-220623-G	6/23/2022	**150**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.4GW-EXT-6 TO 7-220623-CB	6/23/2022	**170**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ARCH-C1W-PS-5.5-220623-G	6/23/2022	**120**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ARCH-C1W-PS-5.5-220623-DUP-G	6/23/2022	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ARCH-C1W-EXT-5 TO 6-220623-I [b]	6/23/2022	**130**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ARCH-C1W-EXT-5 TO 6-220623-DUP-I	6/23/2022	**160**	--	--	--	--	--	--	--	--	--
DOOR-N-0.1GW-DG-6 TO 19-220716-LA	7/16/2022	**73**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.3GW-DG-5 TO 19-220716-LA	7/16/2022	**130**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ARCH-C1W-PS-6.5-220716-G	7/16/2022	**110**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.3GW-EXT-4 TO 5-220716-CB	7/16/2022	**100**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.3GW-EXT-4 TO 5-220716-DUP-CB [b]	7/16/2022	**68**	--	--	--	--	--	--	--	--	--
DOOR-N-0.4GW-PS-19-220716-G	7/16/2022	**68**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.2GW-PS-19-220716-G	7/16/2022	**89**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.2GW-PS-19-220716-DUP-G	7/16/2022	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ARCH-C1W-DG-6.5 TO 7-220716-FB	7/16/2022	**41**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.7GW-PS-19-220805-G [c]	8/5/2022	**~~680~~**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.7GW-PS-19-220815-G	8/15/2022	**4.2**	--	--	--	--	--	--	--	--	--
DOOR-N-0.6GE-DG-5 TO 19-220805-LA	8/5/2022	**86**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.7GE-PS-19-220805-G [c]	8/5/2022	**~~650~~**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.7GE-PS-19-220815-G	8/15/2022	**4.6**	--	--	--	--	--	--	--	--	--
DOOR-N-0.5GW-DG-7 TO 20-220805-LA	8/5/2022	**120**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.8GW-EXT-5 TO 6-220805-CB	8/5/2022	**120**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.9GW-PS-21-220805-G	8/5/2022	**150**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.9GW-PS-21-220805-DUP-G	8/5/2022	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.8GE-INT-20 TO 21-220805-CB [b]	8/5/2022	**100**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.8GE-INT-20 TO 21-220805-DUP-CB	8/5/2022	**380**	--	--	--	--	--	--	--	--	--
DOOR-N-0.9GE-PS-20-220805-G	8/5/2022	**180**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.5GE-PS-21-220811-G	8/11/2022	**680**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.5GE-PS-21-220811-DUP-G	8/11/2022	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.2GE-DG-4 TO 18-220822-LA	8/22/2022	**68**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.5GE-EXT-4 TO 5-220822-CB	8/22/2022	**50**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ARCH-C1E-PS-6.5-220822-G	8/22/2022	**20**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ARCH-C1E-INT-6.5 TO 7.5-220822-WF	8/22/2022	**20**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.3GE-PS-20-220822-LA	8/22/2022	**29**	<1.0	<1.0	<1.0	<1.0	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
DOOR-N-0.4GE-PS-20-220822-G	8/22/2022	<18	<1.0	<1.0	<1.0	<1.0	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ

Validated Confirmation Wipe Sampling Results - Low Occupancy Area within Zone 1

Hangar 1 NTCRA

Former Naval Air Station Moffett Field, California

		Lead	PCBs								
		Result	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268
Location ID [a]	**Sample Date**	**µg/ft²**	**Concentration - µg/100 cm²**								
Cleanup Goal (Low Occupancy Zone)		**<250**	**≤100**	**≤100**	**≤100**	**≤100**	**≤100**	**≤100**	**≤100**	**≤100**	**≤100**
ARCH-C1E-EXT-5 TO 6-220822-WF	8/22/2022	**53**	<1.0	<1.0	<1.0	<1.0	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
DOOR-N-0.2GE-PS-19-220822-G	8/22/2022	**26**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DOOR-N-0.1GE-EXT-5 TO 6-220822-CB [b]	8/22/2022	**66**	<1.0	<1.0	<1.0	<1.0	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
DOOR-N-0.1GE-EXT-5 TO 6-220822-DUP-CB	8/22/2022	**130**	--	--	--	--	--	--	--	--	--
95-Percent UCL (Low Occupancy) [e]		**160**	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
220628-MEDBLANK	6/28/2022	<1.0	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
220716-MEDBLANK	7/16/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
220721-MEDBLANK	7/21/2022	**1.6**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
220802-MEDBLANK	8/2/2022	**2.7**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
220805-MEDBLANK	8/5/2022	**2.7**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
220822-MEDBLANK	8/22/2022	**3.6**	<1.0	<1.0	<1.0	<1.0	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ

Acronyms and Abbreviations:

NTCRA: Non-Time-Critical Removal Action

PCBs: polychlorinated biphenyls

µg/100 cm^2: micrograms per 100 square centimeters

µg/ft^2: micrograms per square foot

U: Indicates the compound or analyte was analyzed for but not detected.

UCL: Upper Confidence Limit

UFP-QAPP: Uniform Federal Policy Quality Assurance Project Plan

UJ: Indicates the compound or analyte was analyzed but not detected. The sample detection limit is an estimated value.

U.S. EPA: United States Environmental Protection Agency

-- : Not analyzed/not applicable.

Notes:

The 95-percent UCL was calculated using Version 5.2 of the ProUCL program published by the U.S. EPA. The highest of the recommended UCL is presented in this table. The 95-percent UCL output file is presented in Attachment 4.

[a] Location ID corresponds to the Field ID in the Laboratory Analytical Reports.

[b] The lower result of each duplicate sample pair collected was not included in the calculation of the 95-percent UCL.

[c] The indicated location was re-abated and re-sampled. The original confirmation sampling result at locations that were re-abated and re-sampled was not included in the calculation of the 95-percent UCL.

[d] The indicated sample is the duplicate sample for the original sample collected at location DOOR-N-0.9GW-EXT-9 TO 10-220721-CB.

[e] The 95-percent UCL for PCBs is the maximum of the analytical reporting limits for each Aroclor as the 95-percent UCL could not be calculated because PCBs were not detected in any of the PCB samples.

Bolded values indicate constituents detected above laboratory quantitation limits.

Shaded values indicate constituents detected above Cleanup Goal.

~~Strikethrough~~ text represents sample locations that were re-abated and subsequently re-sampled. Only the final confirmation sample results were used in the calculation of the 95-percent UCL of the mean concentration.

Attachment 3

Confirmation Sampling Analytical Reports

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number:	467322
Report Level:	IV
Report Date:	01/05/2023

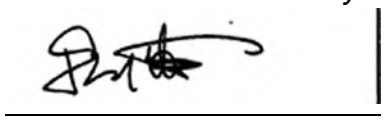
PCBs

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	467322
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	08/12/22

Sample ID	Lab ID	Collected	Matrix
DOOR-N-0.5GE-PS-21-220811-P-G	467322-001	08/11/22 11:15	Wipe
DOOR-N-0.5GE-PS-21-220811-P-DUP-G	467322-002	08/11/22 11:15	Wipe

Case Narrative

PCBS (EPA 8082)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 467322 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 08/12/22

This data package contains sample and QC results for two wipe samples, requested for the above referenced project on 08/12/22. See attached cooler receipt form for any sample receipt problems or discrepancies. Reissued 1/5/23 to revise the preparation method reference.

PCBs (EPA 8082):

No analytical problems were encountered.

Chain of Custody

467322

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B								HOLD	Test Instructions / Comments
1	DOOR-N-0.5GE-PS-21-220811-P-G1	8/11/2022	1115	WP	1		X										
2	DOOR-N-0.5GE-PS-21-220811-P-DUP-G1	8/11/2022	1115	WP	1		X										
3	DOOR-N-0.5GE-PS-21-220811-L-G1	8/11/2022	1115	WP	1			X									6x Rivet Type 2 = 0.060ft²
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure A (low occupancy)

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michaela Kim Yanita	Rincon/ Env Scientist	8/11/22 @ 1745
1 Received By:				8/12/22 @ 09:24
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

5/3.4 @ 1.5

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon consultants, Inc. Project: Hangar 1 - NCTRA WP / 158 Cody Road, Mountain View CA

Date Received: 8/12/2022 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.4 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: Fedex

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.5 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?	✓		
If custody seals are present, were they intact?	✓		
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Yanira Date: 8/12/2022

FedEx Ship Manager - Print Your Label(s)

ORIGIN ID:NUQA (619) 977-6886
KERRY CAMPBELL

1935 W EL CAMINO REAL

MOUNTAIN VIEW, CA 94040
UNITED STATES US

SHIP DATE: 11AUG22
ACTWGT: 30.00 LB
CAD: 254485286/INET4490
DIMS: 23x13x14 IN

BILL SENDER

TO **SAMPLE RECEIVING**
ENTHALPY ANALYTICAL
931 W BARKLEY AVE

ORANGE CA 92868
(510) 204-2233 REF: MOFFETT
INV:
PO: 20-10491 DEPT:

581J2/F39D/FE4A

FedEx Express

FRI - 12 AUG 10:30A
PRIORITY OVERNIGHT

TRK# 0201 **7776 3642 8744**

92 APVA

92868
CA-US **SNA**

CUSTODY SEAL

ENVIRONMENTAL SAMPLING SUPPLY
www.essvial.com 800-233-8425

s label:
utton on this page to print your label to your laser or inkjet printer.
page along the horizontal line.
hipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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harges, along with the cancellation of your FedEx account number.
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any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation,
unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx
Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit,
attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the
authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $1,000, e.g. jewelry,
precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current
FedEx Service Guide.

Date: 8/11/22

Signature:

8/11/22, 9:32 AM

Results & QC Summary

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467322 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.5GE-PS-21-220811-P-G **Batch#:** 295181 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/11/22 **Analysis:** EPA 8082

Lab ID: 467322-001 **Received:** 08/12/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/17/22

Diln Fac: 1.000 **Analyzed:** 08/17/22

467322-001 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467322-001 Surrogate	%REC	Limits
TCMX (PCB)	70	52-186
Decachlorobiphenyl (PCB)	58	50-150

Field ID: DOOR-N-0.5GE-PS-21-220811-P-DUP-G **Batch#:** 295181 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/11/22 **Analysis:** EPA 8082

Lab ID: 467322-002 **Received:** 08/12/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/17/22

Diln Fac: 1.000 **Analyzed:** 08/17/22

467322-002 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467322-002 Surrogate	%REC	Limits
TCMX (PCB)	77	52-186
Decachlorobiphenyl (PCB)	65	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467322 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 295181 **Analysis:** EPA 8082

Lab ID: QC1007019 **Prepared:** 08/17/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/17/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1007019 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1007019 Surrogate	%REC	Limits
TCMX (PCB)	98	52-186
Decachlorobiphenyl (PCB)	81	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 467322 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 295181 **Analysis:** EPA 8082

Lab ID: QC1007020 **Prepared:** 08/17/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/17/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1007020 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	5.449	109	60-140	ug/100 cm2
Aroclor-1260	5.000	5.714	114	60-140	ug/100 cm2

QC1007020 Surrogate	%REC	Limits
TCMX (PCB)	100	52-186
Decachlorobiphenyl (PCB)	95	60-140

Type: BSD **Batch#:** 295181 **Analysis:** EPA 8082

Lab ID: QC1007021 **Prepared:** 08/17/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/17/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1007021 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	5.562	111	60-140	ug/100 cm2	2	20
Aroclor-1260	5.000	5.840	117	60-140	ug/100 cm2	2	20

QC1007021 Surrogate	%REC	Limits
TCMX (PCB)	104	52-186
Decachlorobiphenyl (PCB)	95	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY INITIAL CALIBRATION FOR 467322 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_081622_1
Calibration #:	462329480002	Date:	16-AUG-2022 19:20
		X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc07_081622002	462329480002		16-AUG-2022 19:20	S16726 (100X), S17010 (250X)
L2	gc07_081622003	462329480003		16-AUG-2022 19:38	S16726 (40X), S17010 (250X)
L3	gc07_081622004	462329480004		16-AUG-2022 19:55	S16726 (20X), S17010 (250X)
L4	gc07_081622005	462329480005		16-AUG-2022 20:13	S16726 (8X), S17010 (250X)
L5	gc07_081622006	462329480006		16-AUG-2022 20:31	S16726 (4X), S17010 (250X)
L6	gc07_081622007	462329480007		16-AUG-2022 20:48	S16726 (2.66X), S17010 (250X)
L7	gc07_081622008	462329480008		16-AUG-2022 21:05	S16726 (2X), S17010 (250X)
L8	gc07_081622009	462329480009		16-AUG-2022 21:23	S16726 (1.33X), S17010 (250X)
L9	gc07_081622010	462329480010		16-AUG-2022 21:41	S16726, S17010 (250X)

Analyte	Ch	Type	a0	a1	a2	Units	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		56.2636		ug/L	0.0178	18	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		27.7267		ug/L	0.0361	20	8	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		23.1263		ug/L	0.0432	18	8	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		35.1543		ug/L	0.0284	20	8	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		39.9570		ug/L	0.0250	20	8	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		19.7552		ug/L	0.0506	20	8	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		13.3059		ug/L	0.0752	19	8	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		12.3533		ug/L	0.0809	18	8	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		26.2938		ug/L	0.0380	19	7	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		12.3421		ug/L	0.0810	18	8	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		1.06319		pg/uL	0.9406	13	9	.99	20	
TCMX (PCB)	A	AVRG		1.11507		pg/uL	0.8968	12	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		53.0571		ug/L	0.0188	12	8	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		25.6239		ug/L	0.0390	14	8	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		21.0210		ug/L	0.0476	16	8	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		29.6769		ug/L	0.0337	14	8	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		37.3666		ug/L	0.0268	15	8	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		18.4369		ug/L	0.0542	16	8	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		15.3307		ug/L	0.0652	18	8	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		11.6024		ug/L	0.0862	16	8	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		21.2105		ug/L	0.0471	17	8	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		10.7399		ug/L	0.0931	20	7	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.83928		pg/uL	1.1915	12	8	.99	20	
TCMX (PCB)	B	AVRG		1.12132		pg/uL	0.8918	8	8	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

ENTHALPY INITIAL CALIBRATION FOR 467322 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_081622_1
Calibration #:	462329480002	Date:	16-AUG-2022 19:20
		X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0215	0.0221	0.0207	0.0197	0.0151	0.0144	0.0165	0.0160	0.0140
Aroclor-1016 Peak # 2	A	0.0419	0.0450	0.0424	0.0402	0.0270	0.0284	0.0328	0.0309	
Aroclor-1016 Peak # 3	A	0.0506	0.0540	0.0498	0.0454	0.0317	0.0351	0.0408	0.0386	
Aroclor-1016 Peak # 4	A	0.0336	0.0354	0.0326	0.0312	0.0200	0.0226	0.0275	0.0248	
Aroclor-1016 Peak # 5	A	0.0272	0.0311	0.0300	0.0282	0.0173	0.0203	0.0238	0.0222	
Aroclor-1260 Peak # 1	A	0.0589	0.0632	0.0595	0.0562	0.0365	0.0396	0.0481	0.0431	
Aroclor-1260 Peak # 2	A	0.0829	0.0936	0.0896	0.0837	0.0548	0.0596	0.0724	0.0648	
Aroclor-1260 Peak # 3	A	0.0926	0.0993	0.0961	0.0808	0.0595	0.0660	0.0802	0.0730	
Aroclor-1260 Peak # 4	A	0.0412	0.0453	0.0435	0.0422	0.0269	0.0302	0.0369		
Aroclor-1260 Peak # 5	A	0.0915	0.0989	0.0938	0.0889	0.0574	0.0652	0.0797	0.0728	
Decachlorobiphenyl (PCB)	A	0.9435	0.9889	1.0214	1.1804	0.9770	0.7542	0.9149	0.8492	0.8356
TCMX (PCB)	A	0.9735	1.0616	0.9957	0.9378	0.8786	0.7186	0.8346	0.8136	0.8573
Aroclor-1016 Peak # 1	B	0.0195	0.0214	0.0205	0.0211	0.0163	0.0157	0.0185	0.0177	
Aroclor-1016 Peak # 2	B	0.0378	0.0443	0.0439	0.0456	0.0313	0.0331	0.0390	0.0372	
Aroclor-1016 Peak # 3	B	0.0439	0.0557	0.0573	0.0541	0.0360	0.0394	0.0474	0.0466	
Aroclor-1016 Peak # 4	B	0.0320	0.0383	0.0383	0.0391	0.0256	0.0288	0.0345	0.0329	
Aroclor-1016 Peak # 5	B	0.0263	0.0309	0.0298	0.0308	0.0192	0.0230	0.0279	0.0262	
Aroclor-1260 Peak # 1	B	0.0544	0.0633	0.0628	0.0621	0.0408	0.0446	0.0551	0.0509	
Aroclor-1260 Peak # 2	B	0.0708	0.0770	0.0776	0.0735	0.0477	0.0518	0.0643	0.0592	
Aroclor-1260 Peak # 3	B	0.0917	0.1013	0.0984	0.0957	0.0637	0.0699	0.0877	0.0812	
Aroclor-1260 Peak # 4	B	0.0495	0.0545	0.0552	0.0531	0.0349	0.0357	0.0491	0.0452	
Aroclor-1260 Peak # 5	B	0.1059	0.1076	0.1048	0.1065	0.0635	0.0725	0.0911		
Decachlorobiphenyl (PCB)	B	1.3145	1.3062	1.3050	1.2746	1.2181	0.9277	1.1335	1.0524	
TCMX (PCB)	B	0.8217	0.9497	0.9542	0.9624	0.9059	0.7495	0.8927	0.8983	

ENTHALPY INITIAL CALIBRATION FOR 467322 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_081622_1
Calibration #:	462329480002	Date:	16-AUG-2022 19:20
		X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	**21**	50.000	**24**	100.00	16	250.00	11	500.00	-15	751.88	-19	1000.0	-7	1503.8	-10
Aroclor-1016 Peak # 2	A	20.000	16	50.000	**25**	100.00	18	250.00	11	500.00	**-25**	751.88	**-21**	1000.0	-9	1503.8	-14
Aroclor-1016 Peak # 3	A	20.000	17	50.000	**25**	100.00	15	250.00	5	500.00	**-27**	751.88	-19	1000.0	-6	1503.8	-11
Aroclor-1016 Peak # 4	A	20.000	18	50.000	**24**	100.00	14	250.00	10	500.00	**-30**	751.88	-20	1000.0	-3	1503.8	-13
Aroclor-1016 Peak # 5	A	20.000	9	50.000	**24**	100.00	20	250.00	13	500.00	**-31**	751.88	-19	1000.0	-5	1503.8	-11
Aroclor-1260 Peak # 1	A	20.000	16	50.000	**25**	100.00	17	250.00	11	500.00	**-28**	751.88	**-22**	1000.0	-5	1503.8	-15
Aroclor-1260 Peak # 2	A	20.000	10	50.000	**24**	100.00	19	250.00	11	500.00	**-27**	751.88	**-21**	1000.0	-4	1503.8	-14
Aroclor-1260 Peak # 3	A	20.000	14	50.000	**23**	100.00	19	250.00	0	500.00	**-26**	751.88	-18	1000.0	-1	1503.8	-10
Aroclor-1260 Peak # 4	A	20.000	8	50.000	19	100.00	14	250.00	11	500.00	**-29**	751.88	**-21**	1000.0	-3		
Aroclor-1260 Peak # 5	A	20.000	13	50.000	**22**	100.00	16	250.00	10	500.00	**-29**	751.88	-20	1000.0	-2	1503.8	-10
Decachlorobiphenyl (PCB)	A	0.8000	0	2.0000	5	4.0000	9	10.000	**25**	20.000	4	30.075	-20	40.000	-3	60.150	-10
TCMX (PCB)	A	0.8000	9	2.0000	18	4.0000	11	10.000	5	20.000	-2	30.075	-20	40.000	-7	60.150	-9
Aroclor-1016 Peak # 1	B	20.000	4	50.000	14	100.00	9	250.00	12	500.00	-13	751.88	-17	1000.0	-2	1503.8	-6
Aroclor-1016 Peak # 2	B	20.000	-3	50.000	13	100.00	13	250.00	17	500.00	-20	751.88	-15	1000.0	0	1503.8	-5
Aroclor-1016 Peak # 3	B	20.000	-8	50.000	17	100.00	**21**	250.00	14	500.00	**-24**	751.88	-17	1000.0	0	1503.8	-2
Aroclor-1016 Peak # 4	B	20.000	-5	50.000	14	100.00	14	250.00	16	500.00	**-24**	751.88	-14	1000.0	3	1503.8	-2
Aroclor-1016 Peak # 5	B	20.000	-2	50.000	15	100.00	11	250.00	15	500.00	**-28**	751.88	-14	1000.0	4	1503.8	-2
Aroclor-1260 Peak # 1	B	20.000	0	50.000	17	100.00	16	250.00	14	500.00	**-25**	751.88	-18	1000.0	2	1503.8	-6
Aroclor-1260 Peak # 2	B	20.000	9	50.000	18	100.00	19	250.00	13	500.00	**-27**	751.88	**-21**	1000.0	-1	1503.8	-9
Aroclor-1260 Peak # 3	B	20.000	6	50.000	18	100.00	14	250.00	11	500.00	**-26**	751.88	-19	1000.0	2	1503.8	-6
Aroclor-1260 Peak # 4	B	20.000	5	50.000	16	100.00	17	250.00	13	500.00	**-26**	751.88	**-24**	1000.0	4	1503.8	-4
Aroclor-1260 Peak # 5	B	20.000	14	50.000	16	100.00	13	250.00	14	500.00	**-32**	751.88	**-22**	1000.0	-2		
Decachlorobiphenyl (PCB)	B	0.8000	10	2.0000	10	4.0000	10	10.000	7	20.000	2	30.075	**-22**	40.000	-5	60.150	-12
TCMX (PCB)	B	0.8000	-8	2.0000	6	4.0000	7	10.000	8	20.000	2	30.075	-16	40.000	0	60.150	1

ENTHALPY INITIAL CALIBRATION FOR 467322 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_081622_1
Calibration #:	462329480002	Date:	16-AUG-2022 19:20
		X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	**-21**
Aroclor-1016 Peak # 2	A		
Aroclor-1016 Peak # 3	A		
Aroclor-1016 Peak # 4	A		
Aroclor-1016 Peak # 5	A		
Aroclor-1260 Peak # 1	A		
Aroclor-1260 Peak # 2	A		
Aroclor-1260 Peak # 3	A		
Aroclor-1260 Peak # 4	A		
Aroclor-1260 Peak # 5	A		
Decachlorobiphenyl (PCB)	A	80.000	-11
TCMX (PCB)	A	80.000	-4
Aroclor-1016 Peak # 1	B		
Aroclor-1016 Peak # 2	B		
Aroclor-1016 Peak # 3	B		
Aroclor-1016 Peak # 4	B		
Aroclor-1016 Peak # 5	B		
Aroclor-1260 Peak # 1	B		
Aroclor-1260 Peak # 2	B		
Aroclor-1260 Peak # 3	B		
Aroclor-1260 Peak # 4	B		
Aroclor-1260 Peak # 5	B		
Decachlorobiphenyl (PCB)	B		
TCMX (PCB)	B		

TRN 08/18/22 : Manually integrated for coeluting peaks, draw baseline for positive/negative in both/one channel in multiple levels.

Analyst: TRN 08/18/22

Reviewer: LW 08/18/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 467322 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07	Name:	PCB_081622_1
Calnum:	462329480002	Cal Date:	16-AUG-2022

- ICV 462329480012 (gc07_081622012 16-AUG-2022) stds: S16736

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	497.9	ug/L	0	15	
Aroclor-1260	A	500.0	537.2	ug/L	7	15	
Aroclor-1016	B	500.0	521.9	ug/L	4	15	
Aroclor-1260	B	500.0	556.3	ug/L	11	15	

-

Analyst: TRN 08/18/22 **Reviewer:** LW 08/18/22

ENTHALPY CONTINUING CALIBRATION FOR 467322 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07			IDF:	1.0
Seqnum:	462330672008	File:	gc07_081722008	Time:	17-AUG-2022 16:23
Cal:	462329480002	Caldate:	16-AUG-2022		

Standards: S17006

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	505.6	ug/L	1	15	0.0000	
Aroclor-1260	A			500.0	565.6	ug/L	13	15	0.0000	
Decachlorobiphenyl (PCB)	A	0.9406	1.1378	20.00	24.19	pg/uL	**21**	15	0.0000	c+
TCMX (PCB)	A	0.8968	0.9800	20.00	21.86	pg/uL	9	15	0.0000	
Aroclor-1016	B			500.0	536.6	ug/L	7	15	0.0000	
Aroclor-1260	B			500.0	572.9	ug/L	15	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.1915	1.4031	20.00	23.55	pg/uL	**18**	15	0.0000	c+
TCMX (PCB)	B	0.8918	1.0199	20.00	22.87	pg/uL	14	15	0.0000	

ISTD (ICAL gc07_081622003)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1688394	1614566	-4.37
1-bromo-2-nitrobenzene (PCB)	A	4507968	4299947	-4.61

+=high bias c=CCV

Analyst: TRN 08/18/22 **Reviewer:** LW 08/19/22

Enthalpy Internal Standard Summary for Sequence 462330672

Date:	08/17/22	Reference:	gc07_081622003
Sequence:	SVOA-GC07 gc07_081722	Analyzed:	08/16/22 19:38

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	1688394	4507968
		LOWER LIMIT	844197	2253984
		UPPER LIMIT	3376789	9015935
008	CCV		1614566	4299947

Enthalpy Internal Standard Summary for Sequence 462330672

Date: 08/17/22 Reference: gc07_081722008
Sequence: SVOA-GC07 gc07_081722 Analyzed: 08/17/22 16:23

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	1614566	4299947
		LOWER LIMIT	807283	2149973
		UPPER LIMIT	3229132	8599894
013	BLANK	QC1007019	1141482	3230473
014	BS	QC1007020	1582886	4317752
015	BSD	QC1007021	1706206	4623077
016	SAMPLE	467322-001	1667042	4083330
017	SAMPLE	467322-002	1543525	3653949
018	SAMPLE	467437-001	1475343	3324099
019	SAMPLE	467437-003	1468333	3550716
020	SAMPLE	467437-006	1539628	3754307
021	SAMPLE	467437-008	1472481	3426182
022	SAMPLE	467437-009	1607610	3577569
023	SAMPLE	467437-011	1561494	3791892
024	SAMPLE	467437-013	1518477	3539332
025	SAMPLE	467437-015	1577799	3889609
026	BLANK	QC1007010	1581618	4167630
026	BLANK	QC1007010	1581618	4167630
030	LCS	QC1007016	1701101	3992326
031	MS	QC1007017	1647110	3299347
032	MSD	QC1007018	1541742	3188017
033	BLANK	QC1007010	1581878	4221639
034	LCS	QC1007016	1289349	3484740
035	MSS	467306-001	1723862	4599678
035	MSS	467306-001	1723862	4599678
037	MSS	467319-001	1648979	3804692
037	MSS	467319-001	1648979	3804692
038	SAMPLE	467319-002	1705137	3597101
038	SAMPLE	467319-002	1705137	3597101
040	SAMPLE	467448-001	1596169	4292951
040	SAMPLE	467448-001	1596169	4292951
041	SAMPLE	467448-002	1476511	3993703
041	SAMPLE	467448-002	1476511	3993703
042	SAMPLE	467448-003	1582547	4249587
042	SAMPLE	467448-003	1582547	4249587
043	SAMPLE	467448-004	1611296	4345247
043	SAMPLE	467448-004	1611296	4345247

Enthalpy Internal Standard Summary for Sequence 462330672

Date: 08/17/22 Reference: gc07_081722008
Sequence: SVOA-GC07 gc07_081722 Analyzed: 08/17/22 16:23

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.35	4.17
		LOWER LIMIT	4.15	3.97
		UPPER LIMIT	4.55	4.37
013	BLANK	QC1007019	4.35	4.17
014	BS	QC1007020	4.35	4.17
015	BSD	QC1007021	4.35	4.17
016	SAMPLE	467322-001	4.35	4.17
017	SAMPLE	467322-002	4.35	4.17
018	SAMPLE	467437-001	4.35	4.17
019	SAMPLE	467437-003	4.35	4.17
020	SAMPLE	467437-006	4.35	4.17
021	SAMPLE	467437-008	4.35	4.17
022	SAMPLE	467437-009	4.35	4.17
023	SAMPLE	467437-011	4.35	4.17
024	SAMPLE	467437-013	4.35	4.17
025	SAMPLE	467437-015	4.35	4.17
026	BLANK	QC1007010	4.35	4.17
030	LCS	QC1007016	4.35	4.17
031	MS	QC1007017	4.35	4.17
032	MSD	QC1007018	4.35	4.17
033	BLANK	QC1007010	4.35	4.17
034	LCS	QC1007016	4.35	4.17
035	MSS	467306-001	4.35	4.17
037	MSS	467319-001	4.35	4.17
038	SAMPLE	467319-002	4.35	4.17
040	SAMPLE	467448-001	4.35	4.17
041	SAMPLE	467448-002	4.35	4.17
042	SAMPLE	467448-003	4.35	4.17
043	SAMPLE	467448-004	4.35	4.17

Enthalpy Sequence Summary for Sequence 462329480

Instrument: SVOA-GC07 Begun: 08/16/22 19:20
Method: EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used
002	gc07_081622002	ICAL				08/16/22 19:20	1.0	1 2
003	gc07_081622003	ICAL				08/16/22 19:38	1.0	1 2
004	gc07_081622004	ICAL				08/16/22 19:55	1.0	1 2
005	gc07_081622005	ICAL				08/16/22 20:13	1.0	1 2
006	gc07_081622006	ICAL				08/16/22 20:31	1.0	1 2
007	gc07_081622007	ICAL				08/16/22 20:48	1.0	1 2
008	gc07_081622008	ICAL				08/16/22 21:05	1.0	1 2
009	gc07_081622009	ICAL				08/16/22 21:23	1.0	1 2
010	gc07_081622010	ICAL				08/16/22 21:41	1.0	1 2
012	gc07_081622012	ICV				08/16/22 22:16	1.0	3

TRN 08/17/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 12.

Standards Used:
1=S16726 2=S17010 3=S16736

Enthalpy Sequence Summary for Sequence 462330672

Instrument: SVOA-GC07 Begun: 08/17/22 15:12
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used
004	gc07_081722004	PEM				08/17/22 15:12	1.0	1
005	gc07_081722005	CCV				08/17/22 15:30	1.0	2
006	gc07_081722006	CCV				08/17/22 15:48	1.0	3
008	gc07_081722008	CCV				08/17/22 16:23	1.0	3
013	gc07_081722013	BLANK	QC1007019	Wipe	295181	08/17/22 17:51	1.0	4
014	gc07_081722014	BS	QC1007020	Wipe	295181	08/17/22 18:08	1.0	4
015	gc07_081722015	BSD	QC1007021	Wipe	295181	08/17/22 18:26	1.0	4
016	gc07_081722016	SAMPLE	467322-001	Wipe	295181	08/17/22 18:44	1.0	4
017	gc07_081722017	SAMPLE	467322-002	Wipe	295181	08/17/22 19:01	1.0	4
018	gc07_081722018	SAMPLE	467437-001	Wipe	295181	08/17/22 19:19	1.0	4
019	gc07_081722019	SAMPLE	467437-003	Wipe	295181	08/17/22 19:36	1.0	4
020	gc07_081722020	SAMPLE	467437-006	Wipe	295181	08/17/22 19:54	1.0	4
021	gc07_081722021	SAMPLE	467437-008	Wipe	295181	08/17/22 20:11	1.0	4
022	gc07_081722022	SAMPLE	467437-009	Wipe	295181	08/17/22 20:29	1.0	4
023	gc07_081722023	SAMPLE	467437-011	Wipe	295181	08/17/22 20:46	1.0	4
024	gc07_081722024	SAMPLE	467437-013	Wipe	295181	08/17/22 21:04	1.0	4
025	gc07_081722025	SAMPLE	467437-015	Wipe	295181	08/17/22 21:21	1.0	4
026	gc07_081722026	BLANK	QC1007010	Soil	295180	08/17/22 21:39	1.0	4
027	gc07_081722027	LCS	QC1007011	Soil	295180	08/17/22 21:56	1.0	4
028	gc07_081722028	MS	QC1007014	Soil	295180	08/17/22 22:14	1.0	4
029	gc07_081722029	MSD	QC1007015	Soil	295180	08/17/22 22:31	1.0	4
030	gc07_081722030	LCS	QC1007016	Soil	295180	08/17/22 22:49	1.0	4
031	gc07_081722031	MS	QC1007017	Soil	295180	08/17/22 23:06	1.0	4
032	gc07_081722032	MSD	QC1007018	Soil	295180	08/17/22 23:24	1.0	4
033	gc07_081722033	BLANK	QC1007010	Soil	295180	08/17/22 23:42	1.0	4
034	gc07_081722034	LCS	QC1007016	Soil	295180	08/17/22 23:59	1.0	4
035	gc07_081722035	MSS	467306-001	Soil	295180	08/18/22 00:17	1.0	4
036	gc07_081722036	SAMPLE	467315-001	Soil	295180	08/18/22 00:34	5.0	4
037	gc07_081722037	MSS	467319-001	Soil	295180	08/18/22 00:52	1.0	4
038	gc07_081722038	SAMPLE	467319-002	Soil	295180	08/18/22 01:09	1.0	4
039	gc07_081722039	SAMPLE	467319-003	Soil	295180	08/18/22 01:27	5.0	4
040	gc07_081722040	SAMPLE	467448-001	Soil	295180	08/18/22 01:44	1.0	4
041	gc07_081722041	SAMPLE	467448-002	Soil	295180	08/18/22 02:02	1.0	4
042	gc07_081722042	SAMPLE	467448-003	Soil	295180	08/18/22 02:19	1.0	4
043	gc07_081722043	SAMPLE	467448-004	Soil	295180	08/18/22 02:37	1.0	4

TRN 08/18/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 4 through 5.

TRN 08/18/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 8 through 43.

Standards Used:
1=S17018 2=S17019 3=S17006 4=S17010

SAMPLE PREPARATION SUMMARY

Batch # : 295181
Started By : EPL
Method : 3572M
Spike #1 ID : S17205
Prep Date : 17-AUG-2022 08:54
Spike #2 ID : S17022
Analysis : 8080
Finished By : EPL
Units : dm2

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
467322-001		Wipe	1	20	1	20.0		1				PCB	
467322-002		Wipe	1	20	1	20.0		1				PCB	
467437-001		Wipe	1	20	1	20.0		1				PCB	
467437-003		Wipe	1	20	1	20.0		1				PCB	
467437-006		Wipe	1	20	1	20.0		1				PCB	
467437-008		Wipe	1	20	1	20.0		1				PCB	
467437-009		Wipe	1	20	1	20.0		1				PCB	
467437-011		Wipe	1	20	1	20.0		1				PCB	
467437-013		Wipe	1	20	1	20.0		1				PCB	
467437-015		Wipe	1	20	1	20.0		1				PCB	
467455-001		Wipe	1	20	1	20.0		1				PCB	Prepped 17-AUG-2022 15:40
467455-003		Wipe	1	20	1	20.0		1				PCB	Prepped 17-AUG-2022 15:40
467455-005		Wipe	1	20	1	20.0		1				PCB	Prepped 17-AUG-2022 15:40
467455-007		Wipe	1	20	1	20.0		1				PCB	Prepped 17-AUG-2022 15:40
467455-009		Wipe	1	20	1	20.0		1				PCB	Prepped 17-AUG-2022 15:40
467455-011		Wipe	1	20	1	20.0		1				PCB	Prepped 17-AUG-2022 15:40
467455-013		Wipe	1	20	1	20.0		1				PCB	Prepped 17-AUG-2022 15:40
467455-015		Wipe	1	20	1	20.0		1				PCB	Prepped 17-AUG-2022 15:40
467455-017		Wipe	1	20	1	20.0		1				PCB	Prepped 17-AUG-2022 15:40
QC1007019	BLANK	Wipe	1	10	1	10.0		.5				8080	
QC1007020	BS	Wipe	1	10	1	10.0		.5	.5			8080	
QC1007021	BSD	Wipe	1	10	1	10.0		.5	.5			8080	

TRN 08/18/22 : BS/D verify the batch

Analyst: TRN Date: 08/18/22 Reviewer: SLL Date: 08/19/22

8081/8082 Prep Log

Date/Time: 8/17/22 8:54 Initials: EPL 608 QC Batch#:

3572M 1-5-23 JG 8081 QC Batch #:

Matrix: WIPE Prep Method: ~~3580~~ Balance ID: N/A 8082 QC Batch #: 295181

Sample ID	Cont. ID	Sample Initial Amount Circle one: mL g	pH is 5-9?	Extraction Equipment ID (Sox, Sonic., Shaker)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Witness ID	Comment
Blank		1 dm²	N/A	SH3	N/A	10.0			500 µL SURROGATE
LCS		↓	↓	↓	↓	↓			↓
LCSD						↓			
467322-001	A					20.0			
-002	A								
~~4675~~ E2 8/17 467437-001	A								
-003	A								
-006	A								
-008	A								
-009	A								
-011	A								
-013	A								
-015	A	↓	↓	↓	↓	↓			
467455-001	A	1 dm²	N/A	SH3	N/A	20.0	8/17/22 15:40		
-003	A	↓	↓	↓	↓	↓			
-005	A								
-007	A								
-009	A								
-011	A								
-013	A								
-015	A								
-017	A	↓	↓	↓	↓	↓			

Methylene Chloride Lot: N/A Surrogate ID: 117205 Volume: 1000 µL

Exchange Solvent (Hexane) ID: 222771 Pest LCS Spike ID: N/A Volume: N/A µL

Acetone-Hexane Mix ID: N/A PCB LCS Spike ID: 070122 Volume: 500 µL

Sodium Sulfate Lot: N/A Pest MS/MSD Spike ID: N/A Volume: N/A µL

Baked Sand Lot: N/A PCB MS/MSD Spike ID: ↓ Volume: ↓ µL

8081/8082 Prep Log

Date/Time: 8/17/22 8:54 Initials: EPL

3572M 1-5-23 JG

608 QC Batch#:

8081 QC Batch #:

Matrix: WIPE Prep Method: ~~3580~~ Balance ID: N/A

8082 QC Batch #: 295181

Sample ID	Cont. ID	Sample Initial Amount Circle one: mL g	pH is 5-9?	Extraction Equipment ID (Sox, Sonic., Shaker)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Witness ID	Comment
Blank		1 dm²	N/A	SH3	N/A	10.0			500µL SURROGATE
LCS		↓	↓	↓	↓	↓			↓
LCSD						↓			
467322-001	A					20.0			
-002	A								
4673 EZ 8/17 467437-001	A								
-003	A								
-006	A								
-008	A								
-009	A								
-011	A								
-013	A								
-015	A	↓	↓	↓	↓	↓			
467455-001	A	1 dm²	N/A	SH3	N/A	20.0	8/17/22 15:~~40~~31 SME 8/17		
-003	A	↓	↓	↓	↓	↓			
-005	A								
-007	A								
-009	A								
-011	A								
-013	A								
-015	A								
-017	A	↓	↓	↓	↓	↓			

Methylene Chloride Lot: N/A

Exchange Solvent (Hexane) ID: 222771

Acetone-Hexane Mix ID: N/A

Sodium Sulfate Lot: N/A

Baked Sand Lot: N/A

Surrogate ID: 517205 Volume: 1000 µL

Pest LCS Spike ID: N/A Volume: N/A µL

PCB LCS Spike ID: 07022 Volume: 500 µL

Pest MS/MSD Spike ID: N/A Volume: N/A µL

PCB MS/MSD Spike ID: ↓ Volume: ↓ µL

REPORTING SUMMARY FOR 467322 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
467322-001	Aroclor-1016	SVOA-GC07	B	08/17/22 18:44
467322-001	Aroclor-1221	SVOA-GC07	B	08/17/22 18:44
467322-001	Aroclor-1232	SVOA-GC07	B	08/17/22 18:44
467322-001	Aroclor-1242	SVOA-GC07	B	08/17/22 18:44
467322-001	Aroclor-1248	SVOA-GC07	B	08/17/22 18:44
467322-001	Aroclor-1254	SVOA-GC07	B	08/17/22 18:44
467322-001	Aroclor-1260	SVOA-GC07	B	08/17/22 18:44
467322-001	Aroclor-1262	SVOA-GC07	B	08/17/22 18:44
467322-001	Aroclor-1268	SVOA-GC07	B	08/17/22 18:44
467322-001	TCMX (PCB)	SVOA-GC07	B	08/17/22 18:44
467322-001	Decachlorobiphenyl (PCB)	SVOA-GC07	B	08/17/22 18:44
467322-002	Aroclor-1016	SVOA-GC07	B	08/17/22 19:01
467322-002	Aroclor-1221	SVOA-GC07	B	08/17/22 19:01
467322-002	Aroclor-1232	SVOA-GC07	B	08/17/22 19:01
467322-002	Aroclor-1242	SVOA-GC07	B	08/17/22 19:01
467322-002	Aroclor-1248	SVOA-GC07	B	08/17/22 19:01
467322-002	Aroclor-1254	SVOA-GC07	B	08/17/22 19:01
467322-002	Aroclor-1260	SVOA-GC07	B	08/17/22 19:01
467322-002	Aroclor-1262	SVOA-GC07	B	08/17/22 19:01
467322-002	Aroclor-1268	SVOA-GC07	B	08/17/22 19:01
467322-002	TCMX (PCB)	SVOA-GC07	B	08/17/22 19:01
467322-002	Decachlorobiphenyl (PCB)	SVOA-GC07	B	08/17/22 19:01
QC1007019	Aroclor-1016	SVOA-GC07	B	08/17/22 17:51
QC1007019	Aroclor-1221	SVOA-GC07	B	08/17/22 17:51
QC1007019	Aroclor-1232	SVOA-GC07	B	08/17/22 17:51
QC1007019	Aroclor-1242	SVOA-GC07	B	08/17/22 17:51
QC1007019	Aroclor-1248	SVOA-GC07	B	08/17/22 17:51
QC1007019	Aroclor-1254	SVOA-GC07	B	08/17/22 17:51
QC1007019	Aroclor-1260	SVOA-GC07	B	08/17/22 17:51
QC1007019	Aroclor-1262	SVOA-GC07	B	08/17/22 17:51
QC1007019	Aroclor-1268	SVOA-GC07	B	08/17/22 17:51
QC1007019	TCMX (PCB)	SVOA-GC07	B	08/17/22 17:51
QC1007019	Decachlorobiphenyl (PCB)	SVOA-GC07	B	08/17/22 17:51
QC1007020	Aroclor-1016	SVOA-GC07	B	08/17/22 18:08
QC1007020	Aroclor-1260	SVOA-GC07	B	08/17/22 18:08
QC1007020	TCMX (PCB)	SVOA-GC07	B	08/17/22 18:08
QC1007020	Decachlorobiphenyl (PCB)	SVOA-GC07	B	08/17/22 18:08
QC1007021	Aroclor-1016	SVOA-GC07	B	08/17/22 18:26
QC1007021	Aroclor-1260	SVOA-GC07	B	08/17/22 18:26
QC1007021	TCMX (PCB)	SVOA-GC07	B	08/17/22 18:26
QC1007021	Decachlorobiphenyl (PCB)	SVOA-GC07	B	08/17/22 18:26

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	467322-001	Client ID:	DOOR-N-0.5GE-PS-21-220811-P-G
Seqnum:	462330672016	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_081722016	Batch:	295181	Time:	17-AUG-2022 18:44
Cal:	462329480002	Caldate:	16-AUG-2022		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	33.31	ug/L	ND	1.1	50%	1.0		u
Aroclor-1016 Peak # 1	B	25.36	ug/L	0.51	0.89	55%			
Aroclor-1016 Peak # 2	B	4.708	ug/L	0.09	0.07	28%			
Aroclor-1016 Peak # 3	B	135.0	ug/L	2.70	0.02	197%			
Aroclor-1016 Peak # 4	B	0.3686	ug/L	0.01	0.26	189%			
Aroclor-1016 Peak # 5	B	1.062	ug/L	0.02	4.29	198%			
Aroclor-1221	B			ND			1.0		u
Aroclor-1232	B			ND			1.0		u
Aroclor-1242	B			ND			1.0		u
Aroclor-1248	B			ND			1.0		u
Aroclor-1254	B			ND			1.0		u
Aroclor-1260	B	7.796	ug/L	ND	0.45	96%	1.0		u
Aroclor-1260 Peak # 1	B	8.642	ug/L	0.17	1.17	149%			
Aroclor-1260 Peak # 2	B	3.986	ug/L	0.08	0.02	117%			
Aroclor-1260 Peak # 3	B	5.141	ug/L	0.10	0.07	32%			
Aroclor-1260 Peak # 4	B	1.012	ug/L	0.02	0.92	191%			
Aroclor-1260 Peak # 5	B	20.20	ug/L	0.40	0.05	158%			
Aroclor-1262	B			ND			1.0		u
Aroclor-1268	B			ND			1.0		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	35.23	pg/uL	1.000	0.7046	70	52-186	u
Decachlorobiphenyl (PCB)	B	28.97	pg/uL	1.000	0.5794	58	50-150	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_081722008)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1614566	1667042	3.25
1-bromo-2-nitrobenzene (PCB)	A	4299947	4083330	-5.04

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

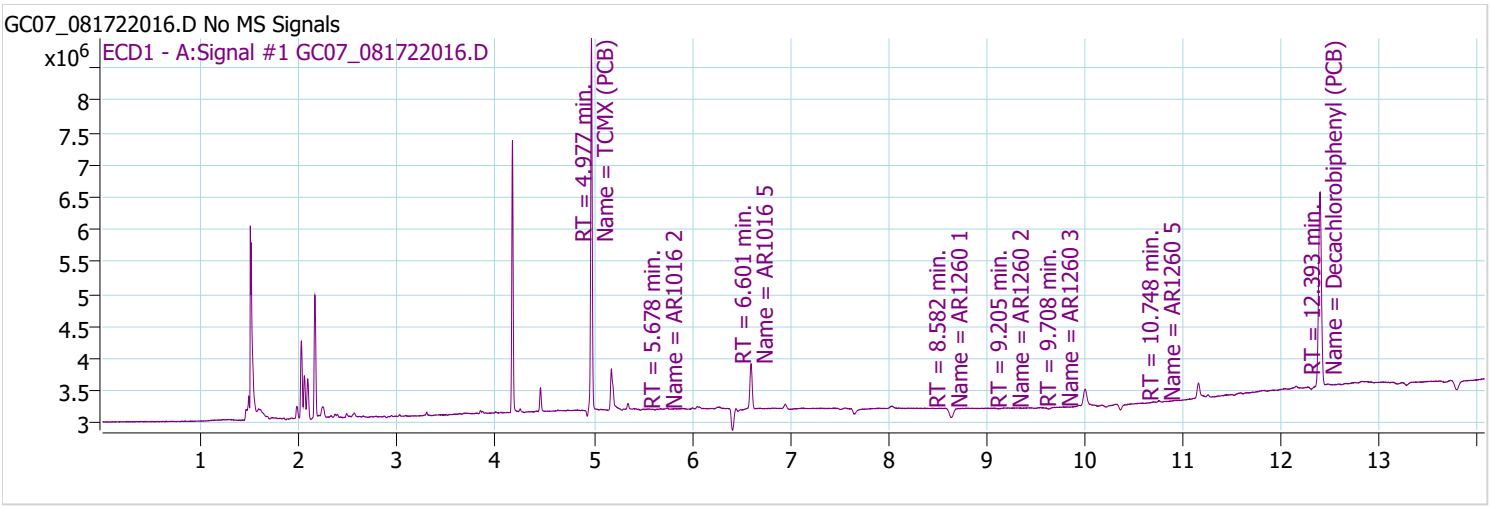
ISTD (CCV gc07_081722008)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.35	4.35	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.17	4.17	0.00

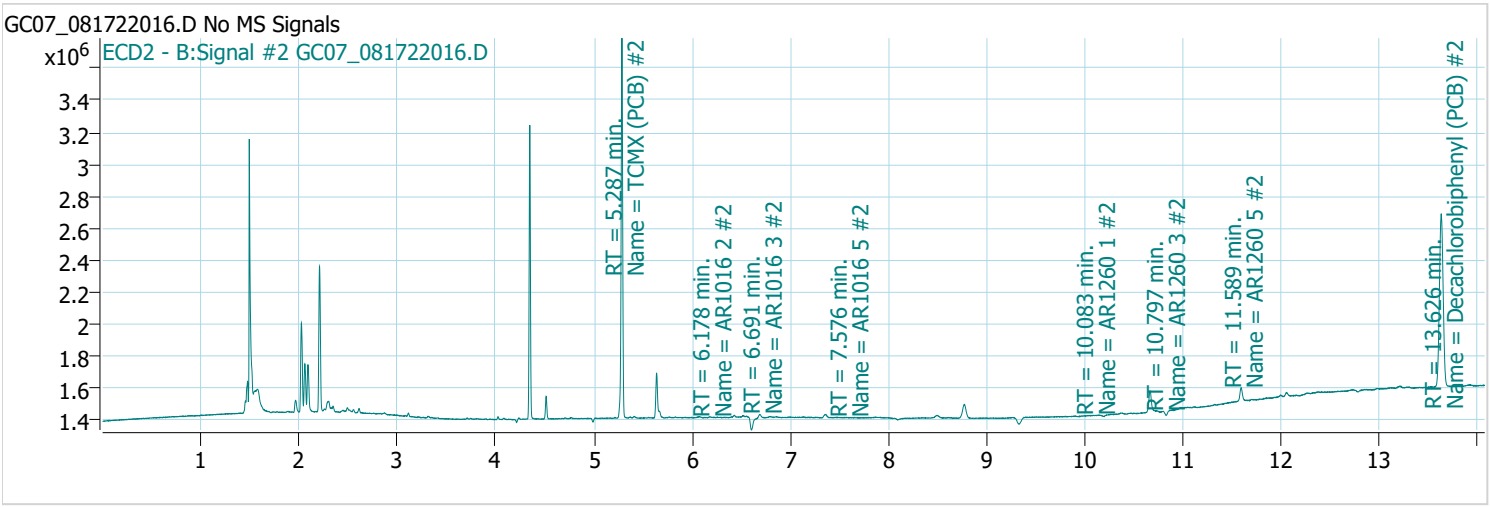
Analyst: TRN 08/18/22 *

Reviewer: SLL 08/19/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_081722016.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	8/17/2022 6:44:04 PM
Sample Name	467322-001, 295181, 1	Instrument	SVOA-GC07
Vial	4	Multiplier	1.00
DA Method File	PCB_608_081622_GC07_2.m	Comment	WIPE/1DM2-20ML
Tune File	ATUNE.U	Tune Date	
Batch Name	081722PCB.batch.bin	Last Calib Update	8/18/2022 11:24:04 AM
Ref Library			



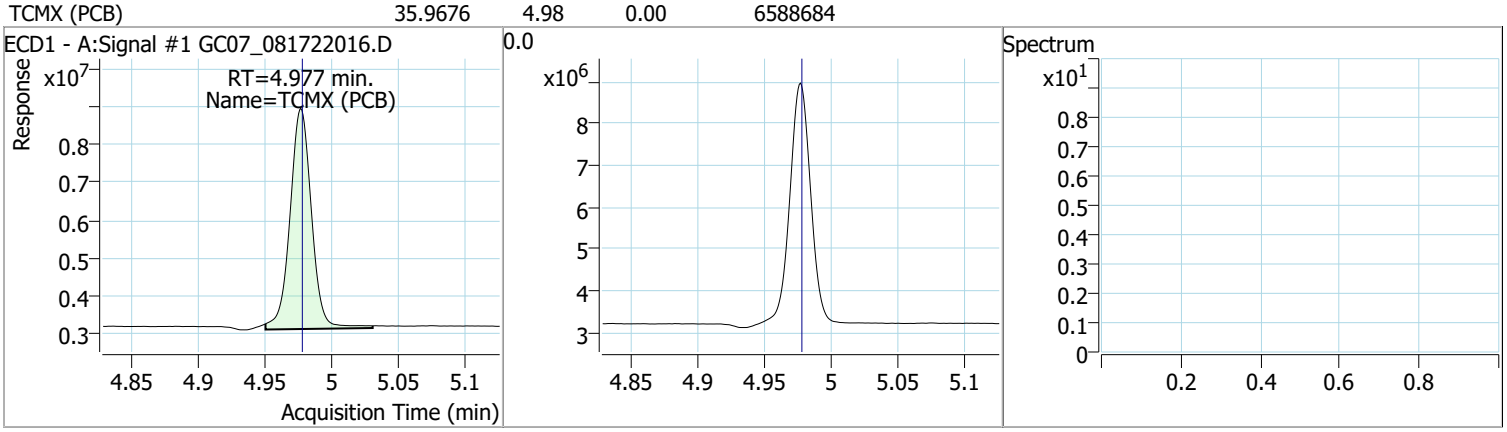


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.173	0.0	4083329.750	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.349	0.0	1667041.920	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	4.977	0.0	6588683.512	35.9676	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 179.84%		*	
S TCMX (PCB) #2	5.287	0.0	2618772.031	35.2094	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 176.05%		*	
S Decachlorobiphenyl (PCB)	12.393	0.0	6273492.486	32.6533	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 163.27%		*	
S Decachlorobiphenyl (PCB) #2	13.626	0.0	2877180.016	28.9555	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 144.78%			
Target Compounds							QValue

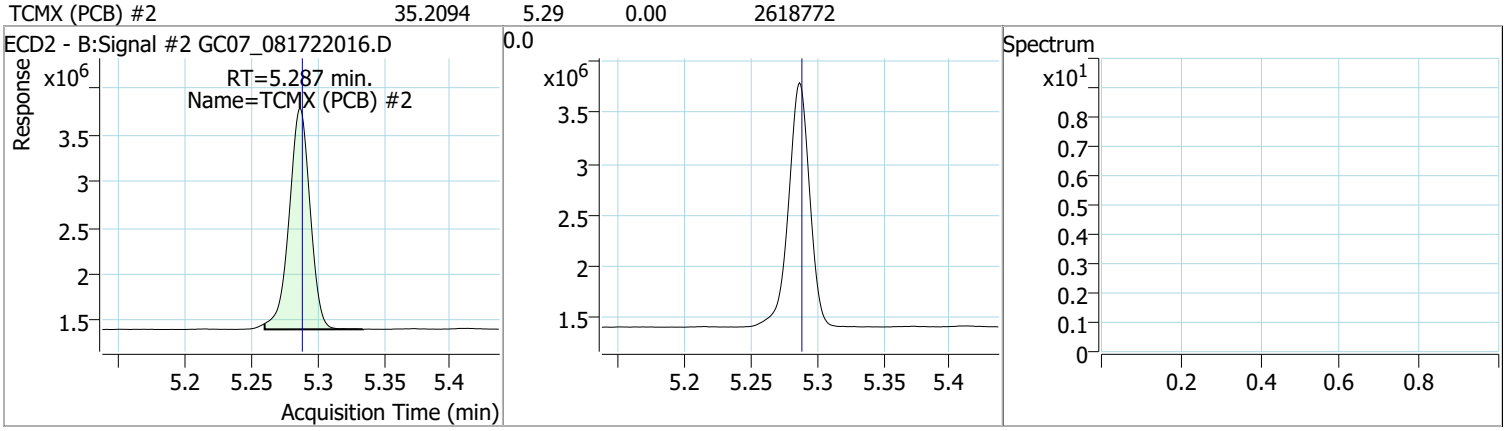
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.349	0.0	161219.782	44.4074	ng/ml	100
T AR1016 2	5.678	0.0	26161.449	3.5510	ng/ml	100
T AR1016 1 #2	5.668	0.0	39840.715	25.3462	ng/ml	100
T AR1016 3	6.117	0.0	9811.943	1.1108	ng/ml	100
T AR1016 2 #2	6.178	0.0	15316.255	4.7058	ng/ml	100
T AR1016 4	6.281	0.0	75223.798	12.9456	ng/ml	100
T AR1016 5	6.601	0.0	1096838.987	214.5456	ng/ml	100
T AR1016 3 #2	6.691	0.0	535403.436	134.9499	ng/ml	100
T AR1016 4 #2	6.920	0.0	1035.398	0.3684	ng/ml	100
T AR1016 5 #2	7.576	0.0	2368.466	1.0612	ng/ml	100
T AR1260 1	8.582	0.0	605588.201	58.5670	ng/ml	100
T AR1260 2	9.205	0.0	16032.348	1.0443	ng/ml	100
T AR1260 3	9.708	0.0	61344.573	3.7097	ng/ml	100
T AR1260 1 #2	10.083	0.0	39068.382	8.6369	ng/ml	100
T AR1260 4	10.325	0.0	355754.468	45.8033	ng/ml	100
T AR1260 2 #2	10.365	0.0	21673.112	3.9841	ng/ml	100
T AR1260 5	10.748	0.0	38946.265	2.3531	ng/ml	100
T AR1260 3 #2	10.797	0.0	36931.260	5.1379	ng/ml	100
T AR1260 4 #2	11.322	0.0	3975.587	1.0111	ng/ml	100
T AR1260 5 #2	11.589	0.0	156766.752	20.1938	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

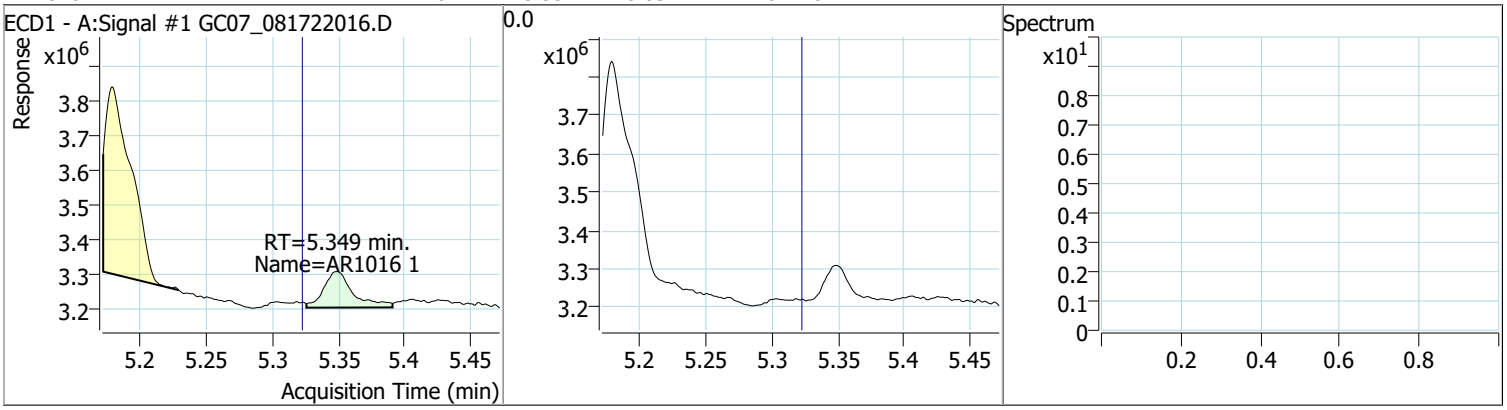
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	35.9676	4.98	0.00	6588684				



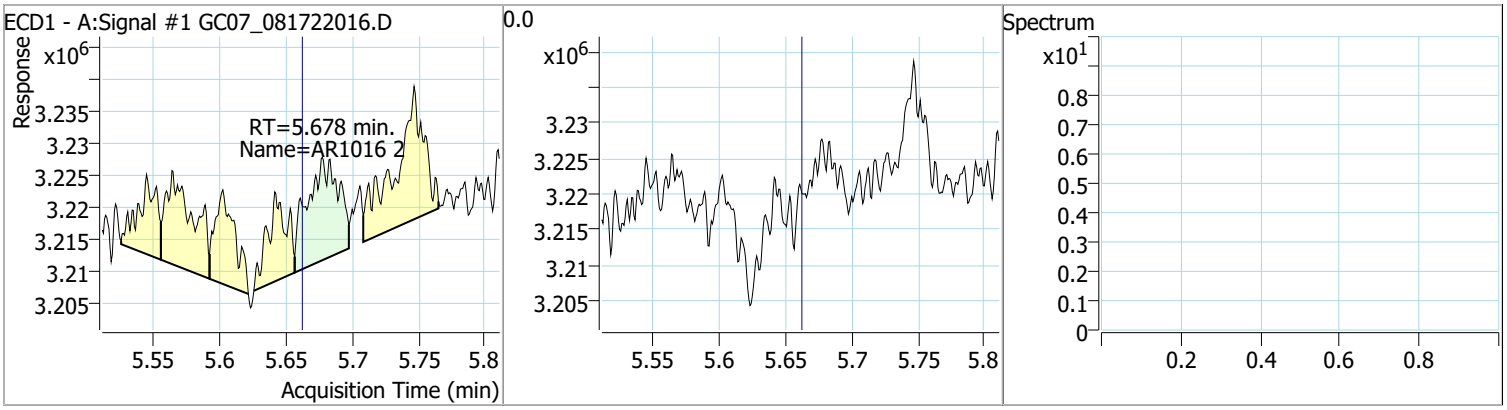
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	35.2094	5.29	0.00	2618772				



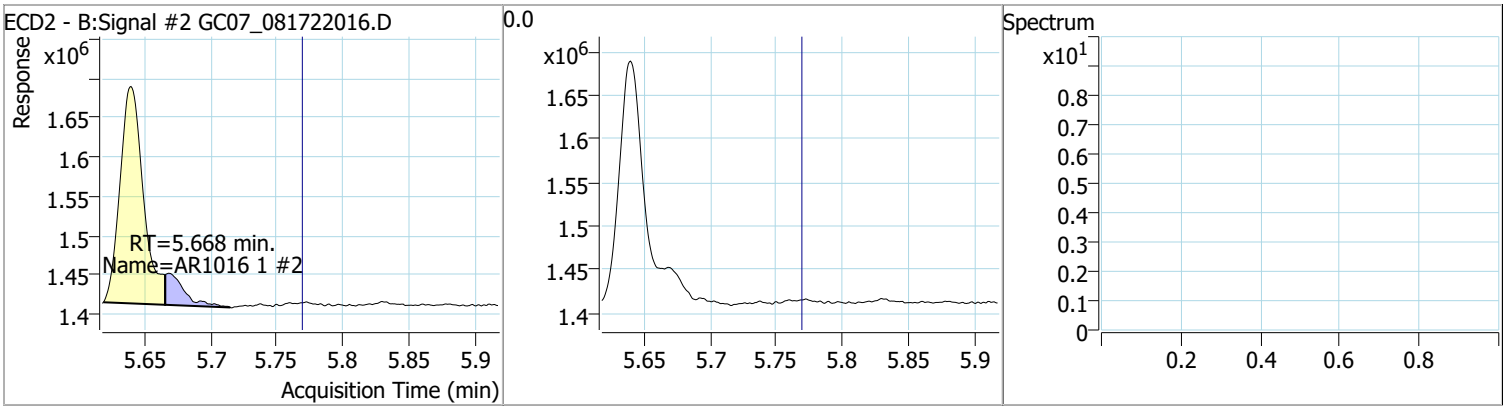
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	44.4074	5.35	0.03	161220				



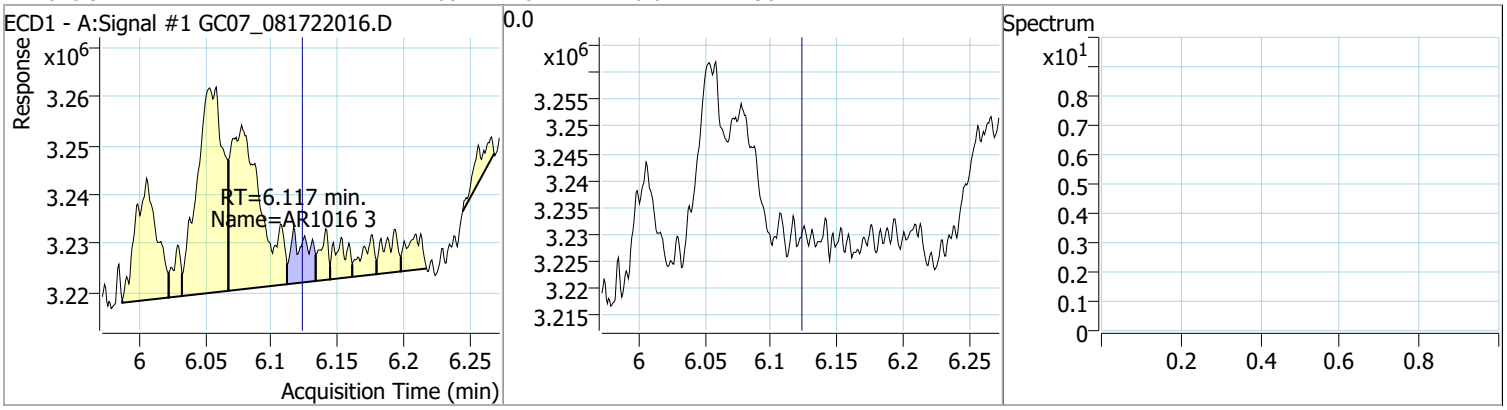
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	3.5510	5.68	0.02	26161				



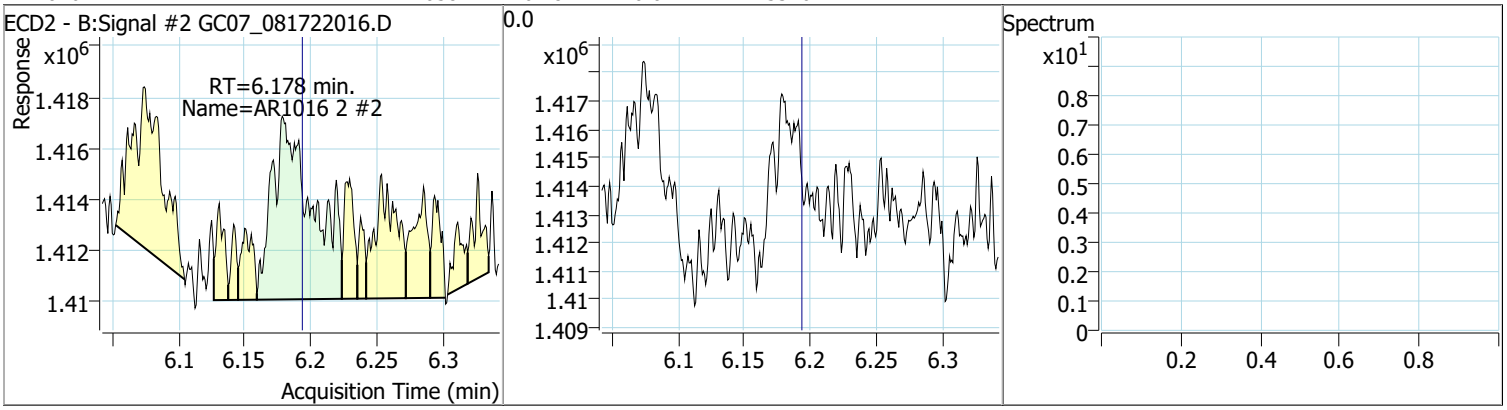
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	25.3462	5.67	-0.10	39841				



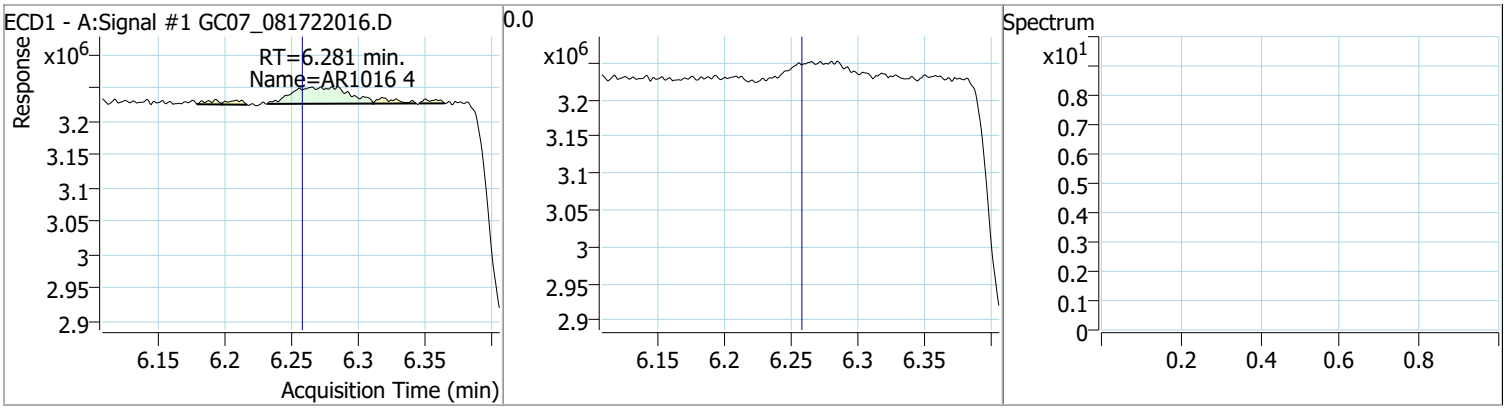
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1.1108	6.12	-0.01	9812				



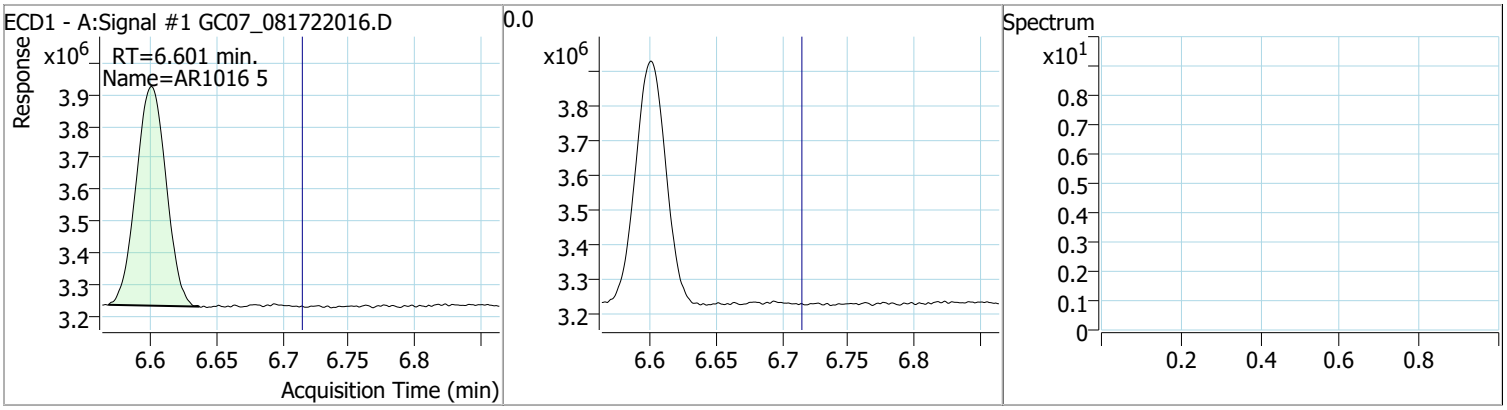
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	4.7058	6.18	-0.01	15316				



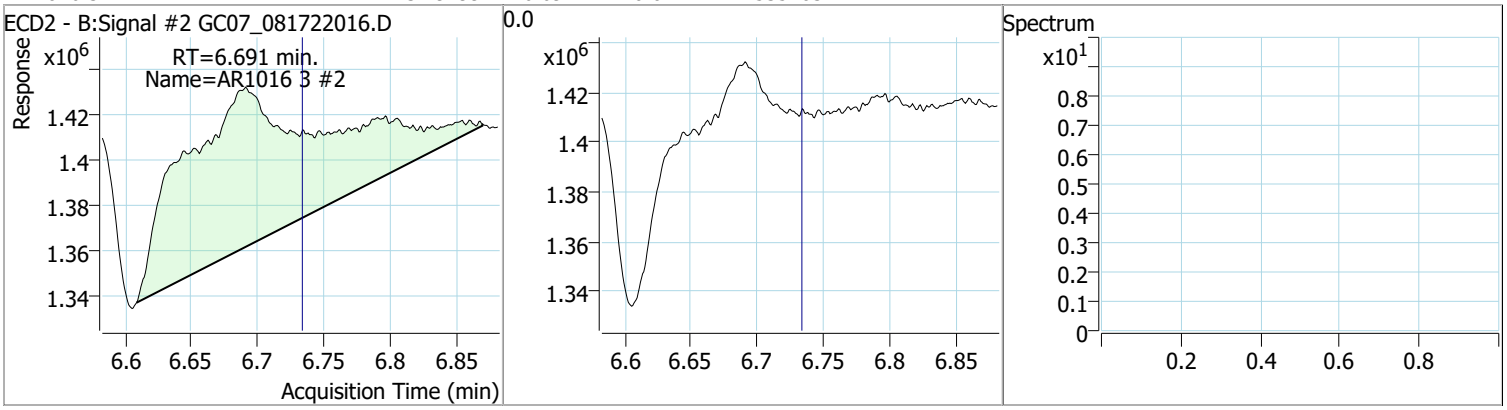
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	12.9456	6.28	0.02	75224				



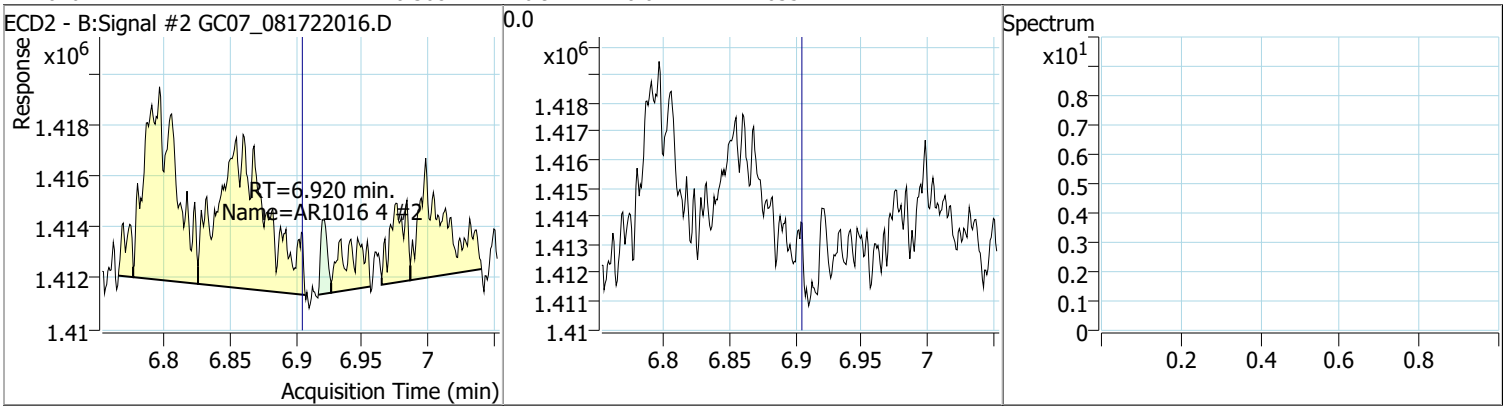
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	214.5456	6.60	-0.11	1096839				



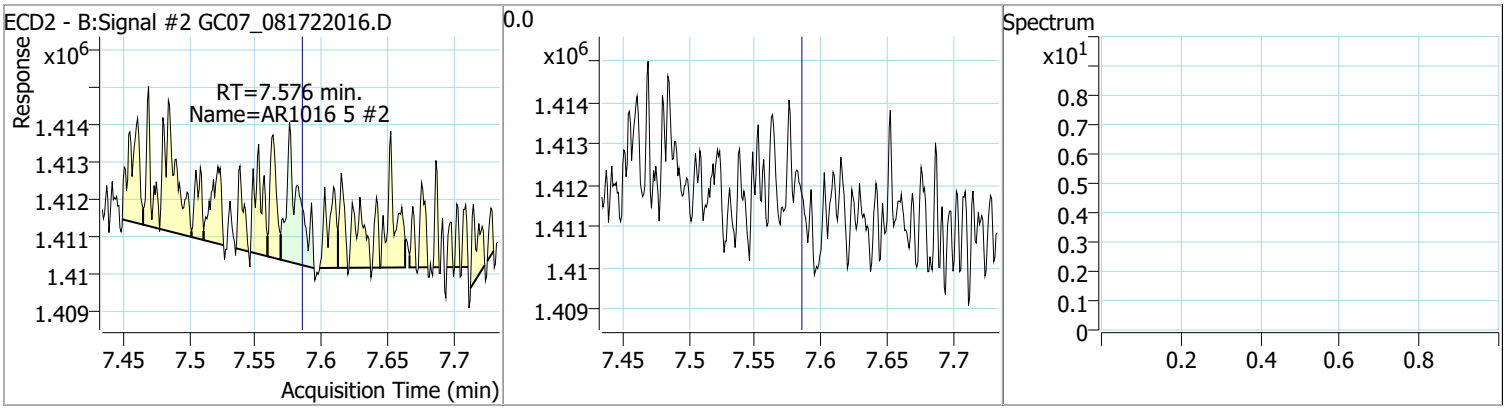
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	134.9499	6.69	-0.04	535403				



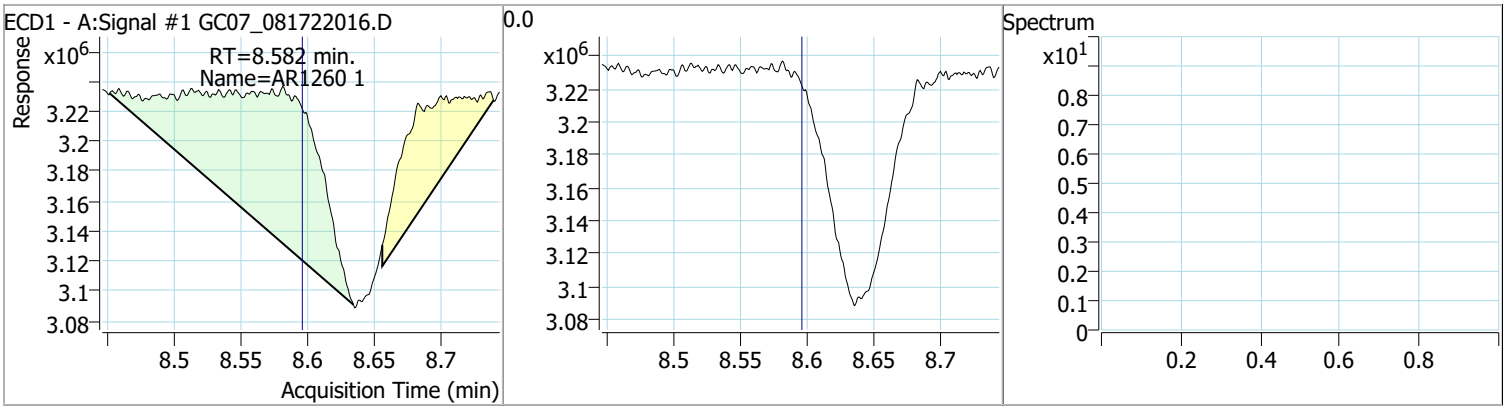
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.3684	6.92	0.02	1035				



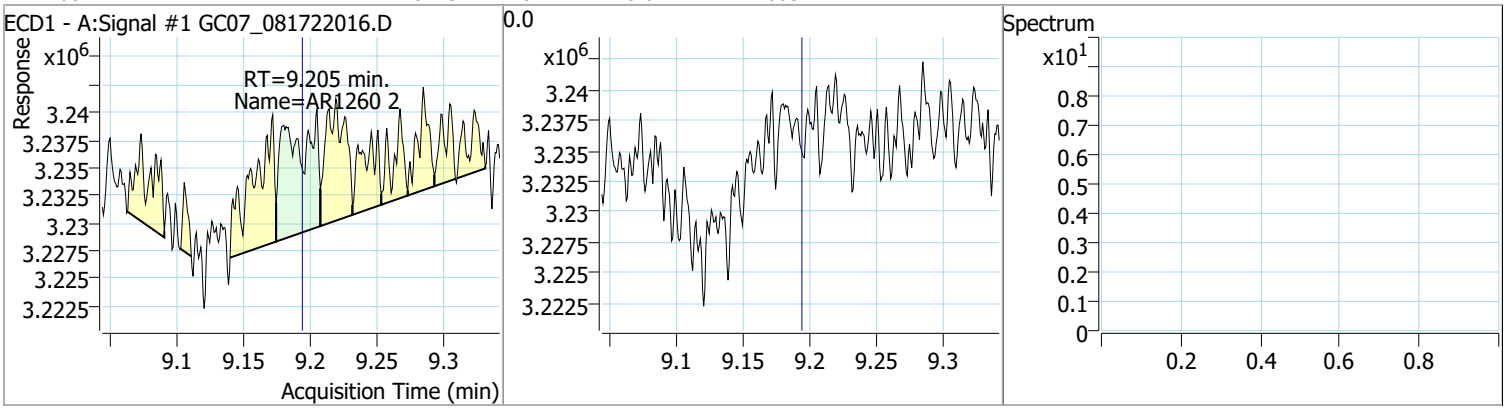
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.0612	7.58	-0.01	2368				



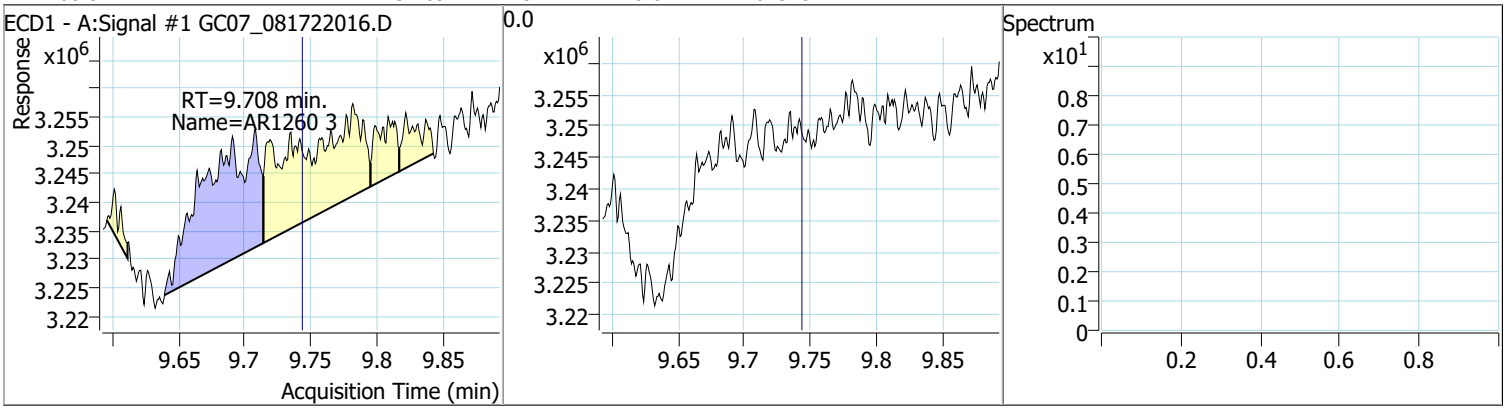
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	58.5670	8.58	-0.01	605588				



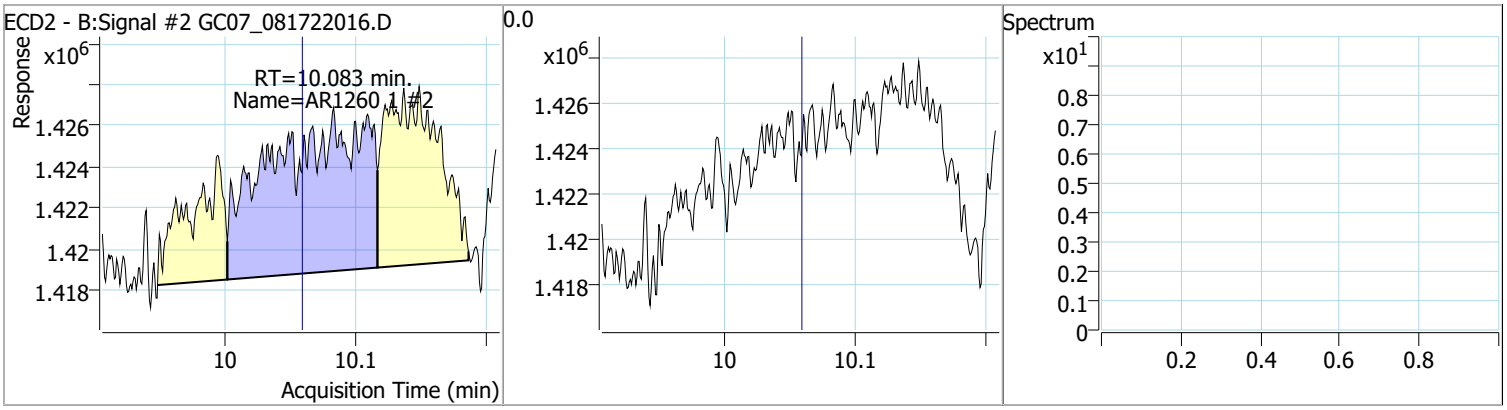
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.0443	9.21	0.01	16032				



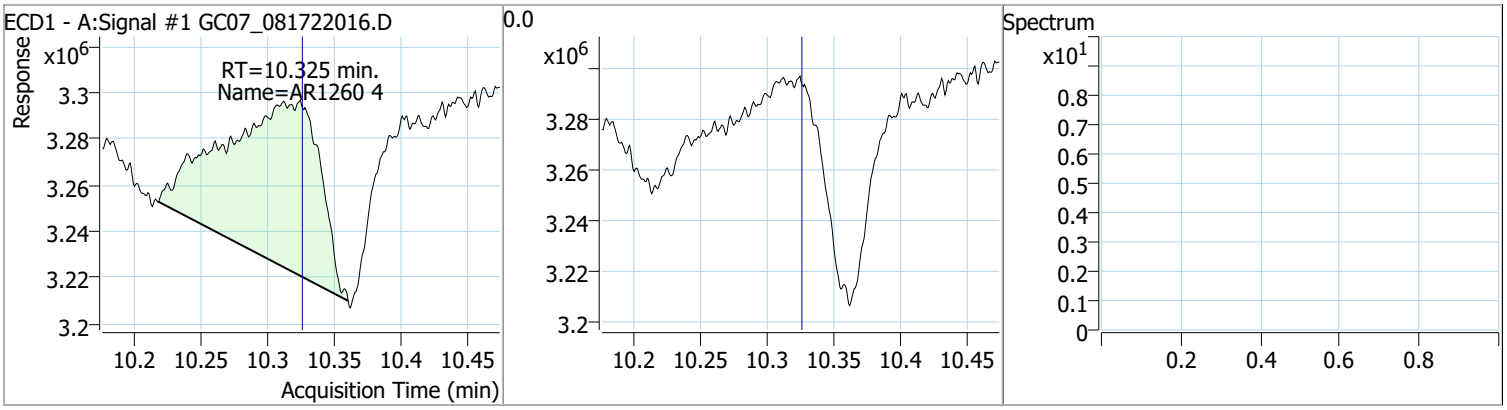
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	3.7097	9.71	-0.04	61345				



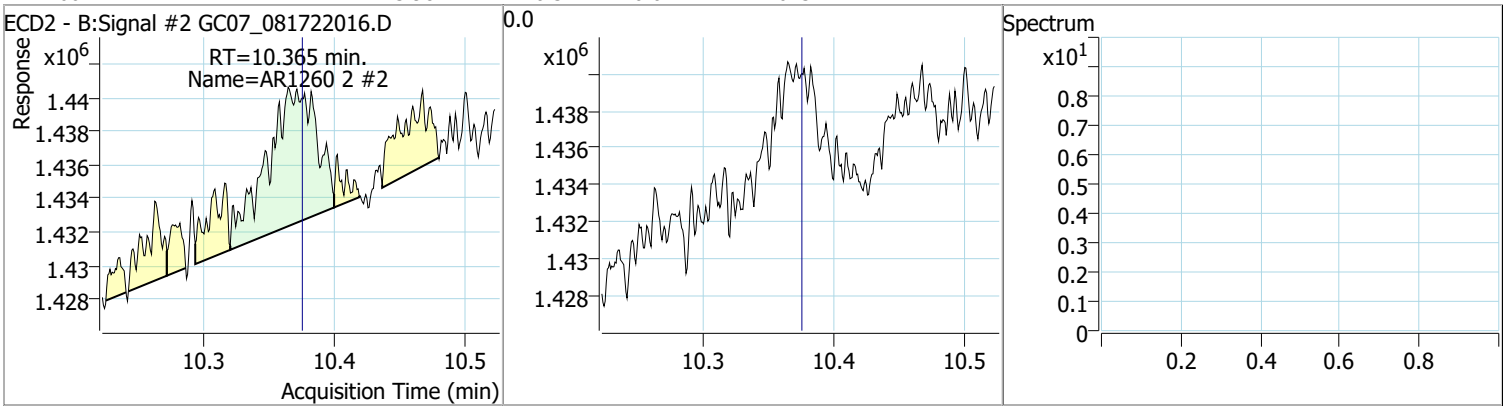
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	8.6369	10.08	0.03	39068				



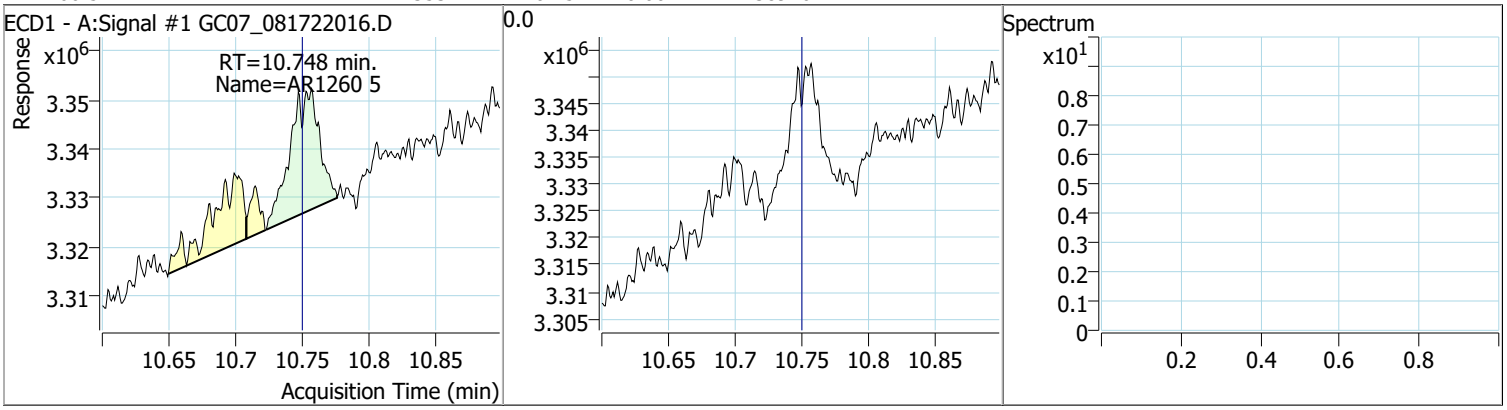
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	45.8033	10.33	0.00	355754				



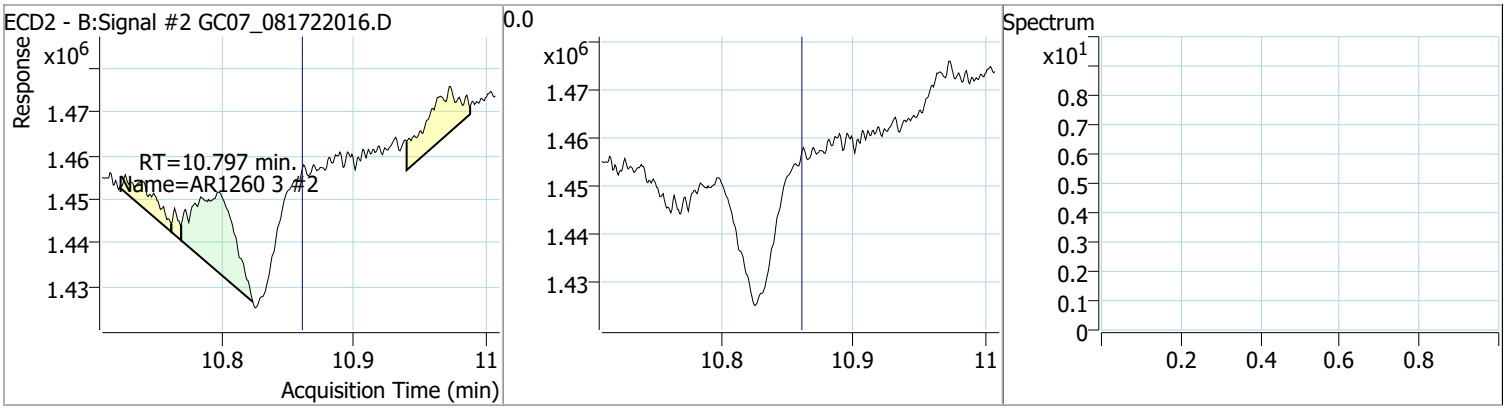
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	3.9841	10.37	-0.01	21673				



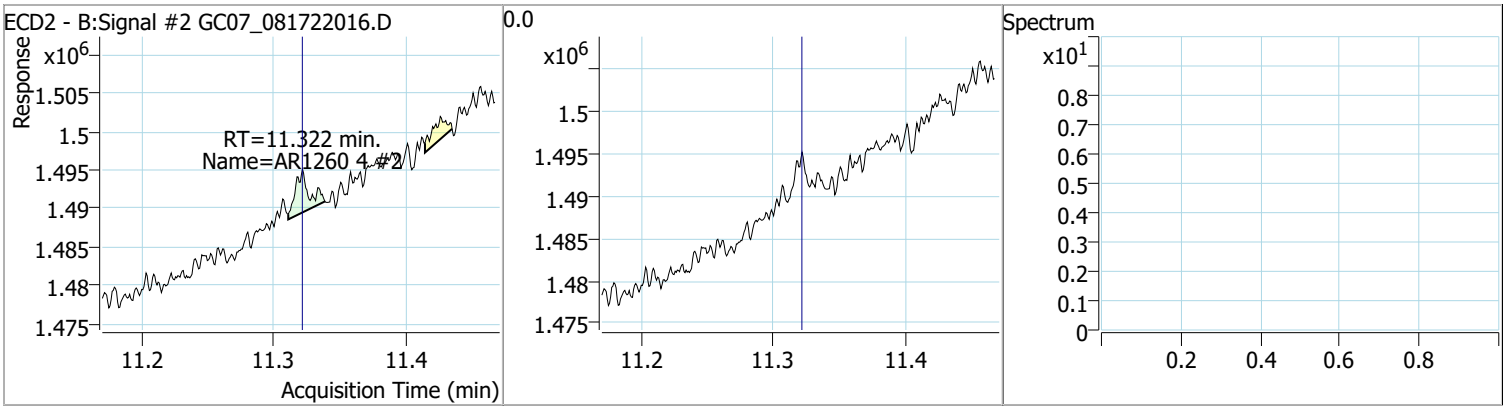
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	2.3531	10.75	0.00	38946				



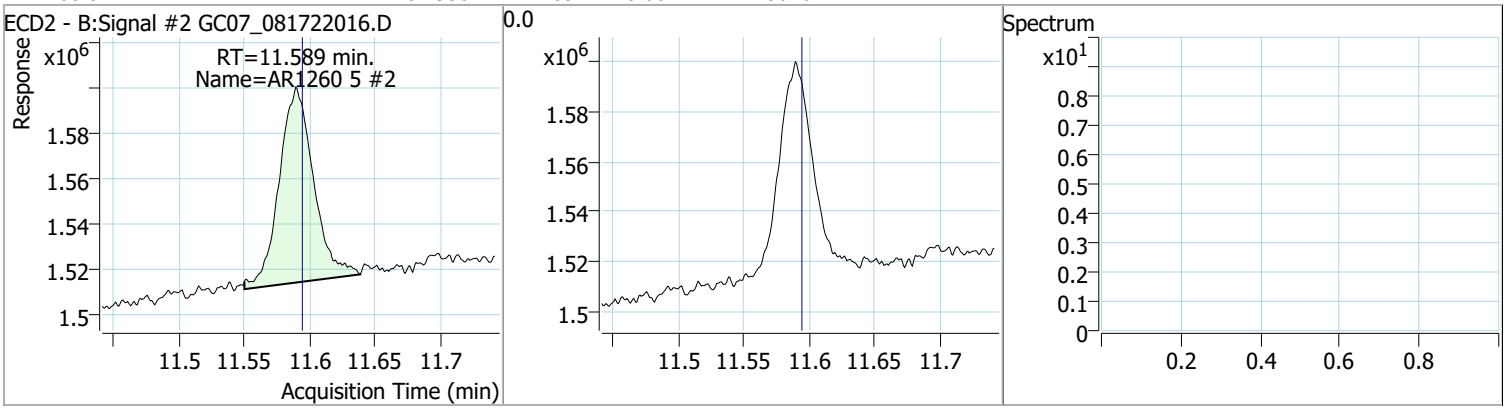
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	5.1379	10.80	-0.06	36931				



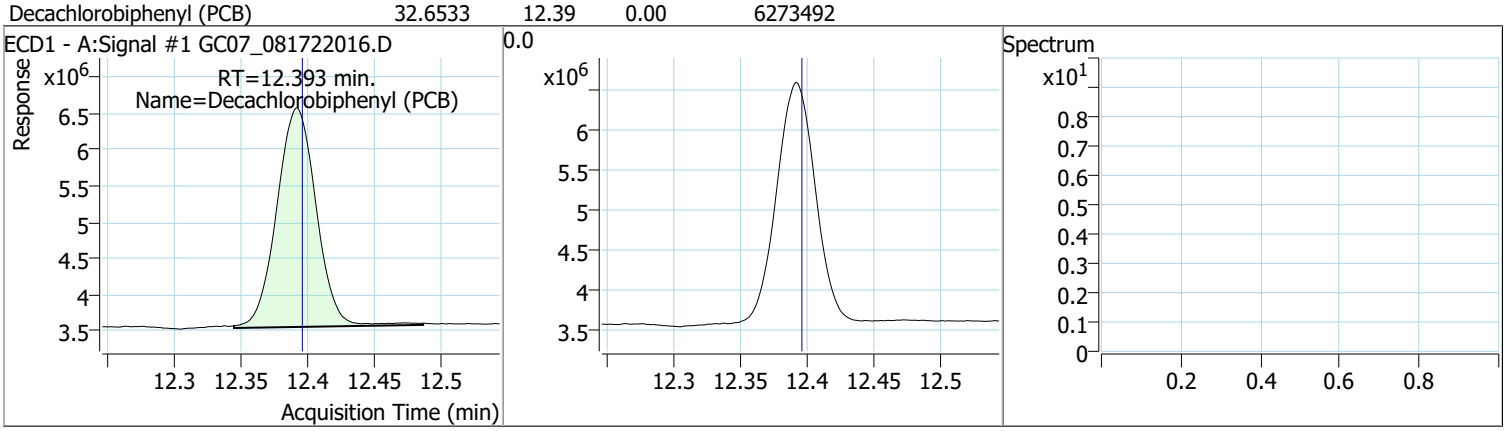
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1.0111	11.32	0.00	3976				



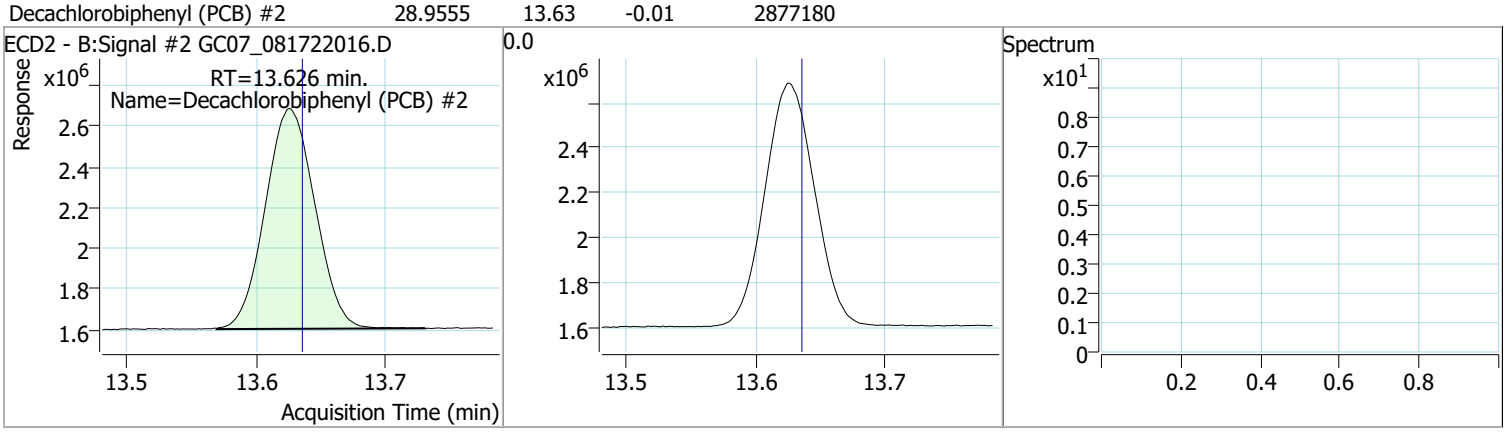
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	20.1938	11.59	0.00	156767				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	32.6533	12.39	0.00	6273492				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	28.9555	13.63	-0.01	2877180				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	467322-002	Client ID:	DOOR-N-0.5GE-PS-21-220811-P-DUP-G
Seqnum:	462330672017	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_081722017	Batch:	295181	Time:	17-AUG-2022 19:01
Cal:	462329480002	Caldate:	16-AUG-2022		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	25.10	ug/L	ND	1.5	100%	1.0		u
Aroclor-1016 Peak # 1	B	14.36	ug/L	0.29	1.21	123%			
Aroclor-1016 Peak # 2	B	0.5213	ug/L	0.01	0.12	169%			
Aroclor-1016 Peak # 3	B	109.6	ug/L	2.19	0.13	178%			
Aroclor-1016 Peak # 4	B	0.5094	ug/L	0.01	0.22	183%			
Aroclor-1016 Peak # 5	B	0.4717	ug/L	0.01	5.88	199%			
Aroclor-1221	B			ND			1.0		u
Aroclor-1232	B			ND			1.0		u
Aroclor-1242	B			ND			1.0		u
Aroclor-1248	B			ND			1.0		u
Aroclor-1254	B			ND			1.0		u
Aroclor-1260	B	9.840	ug/L	ND	0.92	129%	1.0		u
Aroclor-1260 Peak # 1	B	20.64	ug/L	0.41	1.41	110%			
Aroclor-1260 Peak # 2	B	2.726	ug/L	0.05	0.02	95%			
Aroclor-1260 Peak # 3	B	3.028	ug/L	0.06	0.02	103%			
Aroclor-1260 Peak # 4	B	2.995	ug/L	0.06	0.82	173%			
Aroclor-1260 Peak # 5	B	19.81	ug/L	0.40	2.31	141%			
Aroclor-1262	B			ND			1.0		u
Aroclor-1268	B			ND			1.0		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	38.51	pg/uL	1.000	0.7701	77	52-186	u
Decachlorobiphenyl (PCB)	B	32.55	pg/uL	1.000	0.6510	65	50-150	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_081722008)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1614566	1543525	-4.40
1-bromo-2-nitrobenzene (PCB)	A	4299947	3653949	-15.02

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

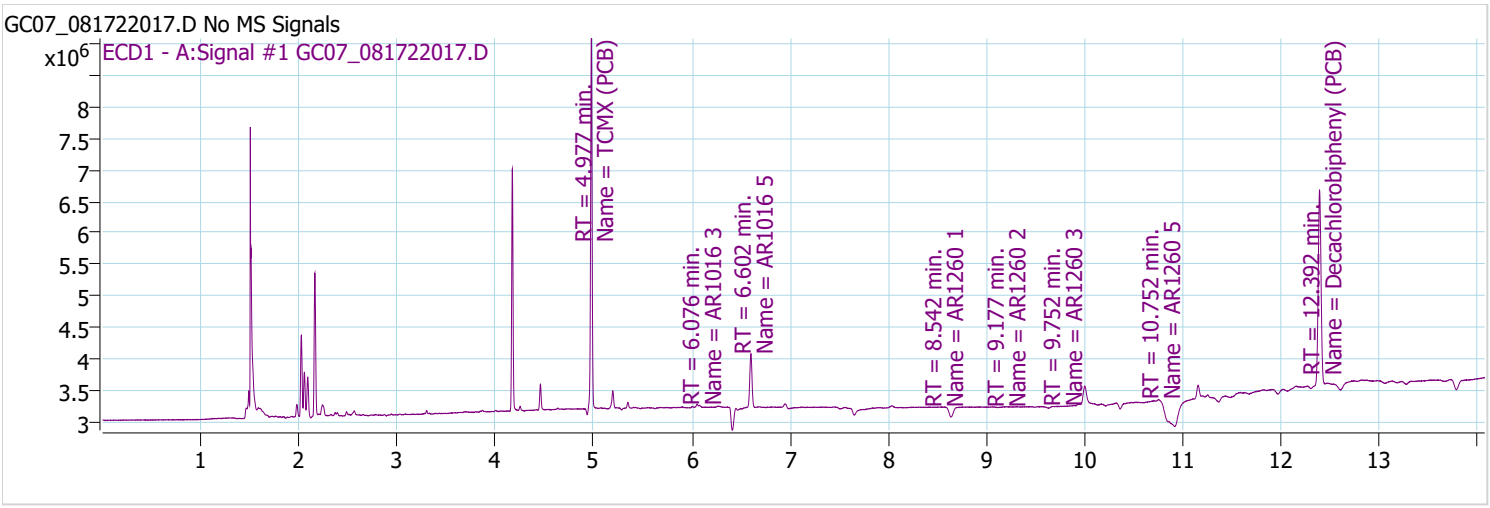
ISTD (CCV gc07_081722008)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.35	4.35	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.17	4.17	0.00

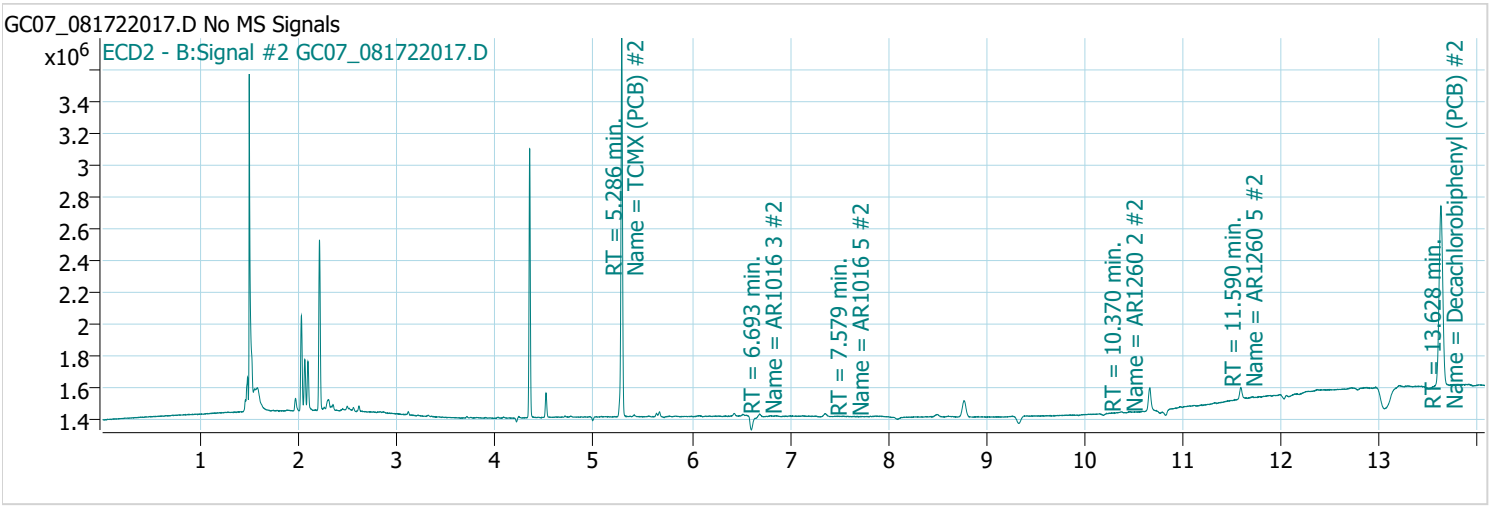
Analyst: TRN 08/18/22 *

Reviewer: SLL 08/19/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_081722017.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	8/17/2022 7:01:37 PM
Sample Name	467322-002, 295181, 1	Instrument	SVOA-GC07
Vial	5	Multiplier	1.00
DA Method File	PCB_608_081622_GC07_2.m	Comment	WIPE/1DM2-20ML
Tune File	ATUNE.U	Tune Date	
Batch Name	081722PCB.batch.bin	Last Calib Update	8/18/2022 11:24:04 AM
Ref Library			



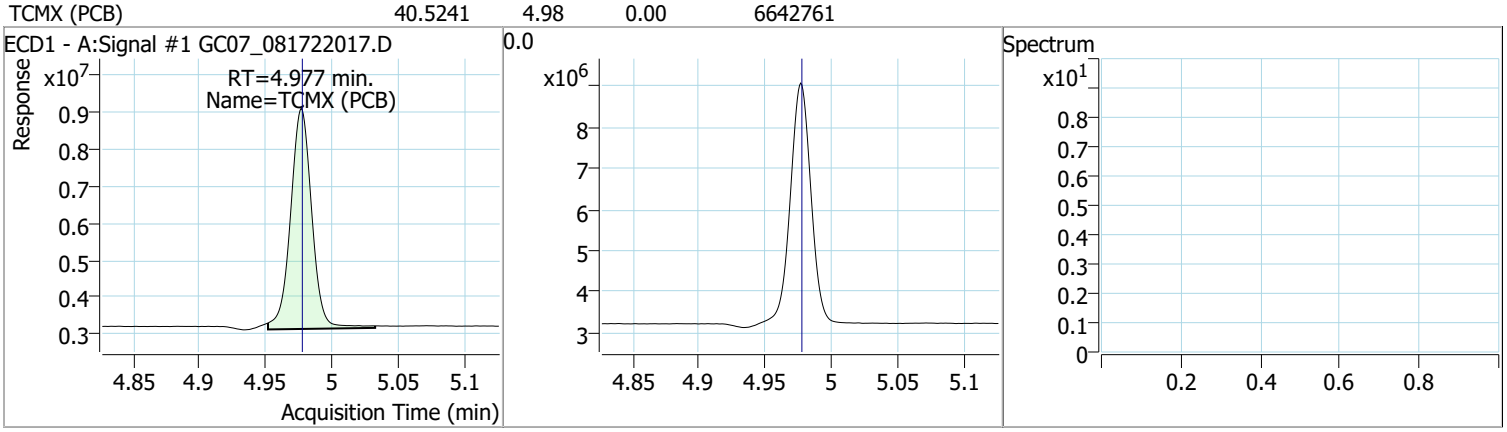


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.173	0.0	3653949.375	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.348	0.0	1543525.322	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.977	0.0	6642761.257	40.5241	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 202.62%		*	
S TCMX (PCB) #2	5.286	0.0	2650266.867	38.4843	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 192.42%		*	
S Decachlorobiphenyl (PCB)	12.392	0.0	6481360.840	37.6996	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 188.50%		*	
S Decachlorobiphenyl (PCB) #2	13.628	0.0	2993220.074	32.5339	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 162.67%		*	
Target Compounds							QValue

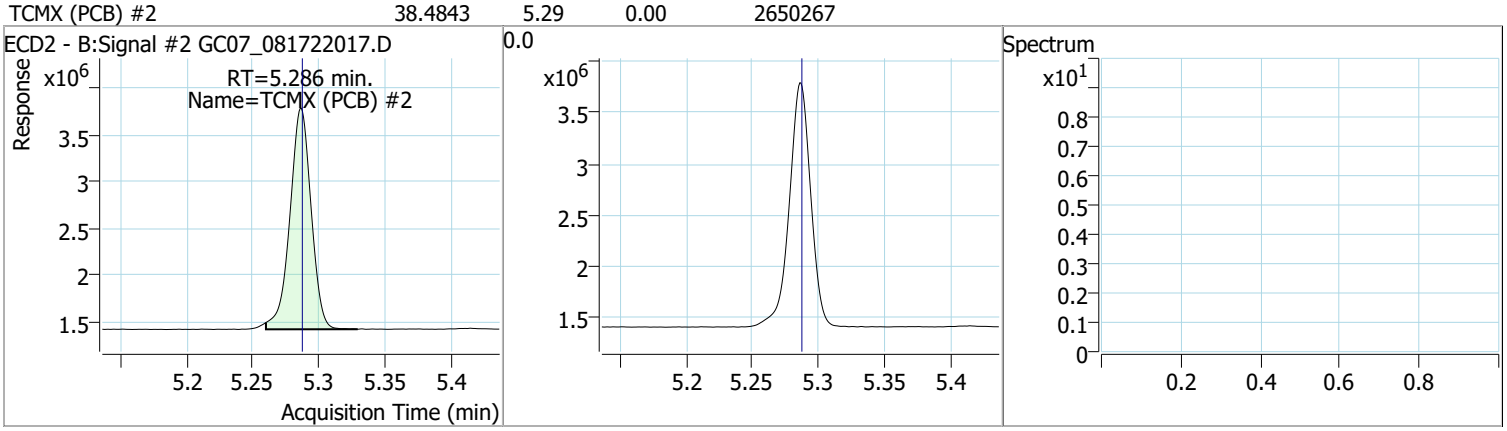
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.350	0.0	195683.995	60.2343	ng/ml	100
T AR1016 2	5.674	0.0	40421.965	6.1314	ng/ml	100
T AR1016 1 #2	5.768	0.0	20890.350	14.3537	ng/ml	100
T AR1016 3	6.076	0.0	51046.344	6.4581	ng/ml	100
T AR1016 2 #2	6.203	0.0	1570.111	0.5210	ng/ml	100
T AR1016 4	6.281	0.0	58194.119	11.1917	ng/ml	100
T AR1016 5	6.602	0.0	1343551.480	293.6859	ng/ml	100
T AR1016 3 #2	6.693	0.0	402549.719	109.5832	ng/ml	100
T AR1016 4 #2	6.925	0.0	1324.641	0.5091	ng/ml	100
T AR1016 5 #2	7.579	0.0	974.208	0.4714	ng/ml	100
T AR1260 1	8.542	0.0	653492.078	70.6266	ng/ml	100
T AR1260 2	9.177	0.0	13364.446	0.9728	ng/ml	100
T AR1260 3	9.752	0.0	14295.327	0.9661	ng/ml	100
T AR1260 1 #2	10.152	0.0	86406.566	20.6305	ng/ml	100
T AR1260 4	10.318	0.0	283921.159	40.8503	ng/ml	100
T AR1260 2 #2	10.370	0.0	13720.786	2.7241	ng/ml	100
T AR1260 5	10.752	0.0	1711074.254	115.5302	ng/ml	100
T AR1260 3 #2	10.793	0.0	20142.941	3.0265	ng/ml	100
T AR1260 4 #2	11.326	0.0	10897.857	2.9935	ng/ml	100
T AR1260 5 #2	11.590	0.0	142350.943	19.8042	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

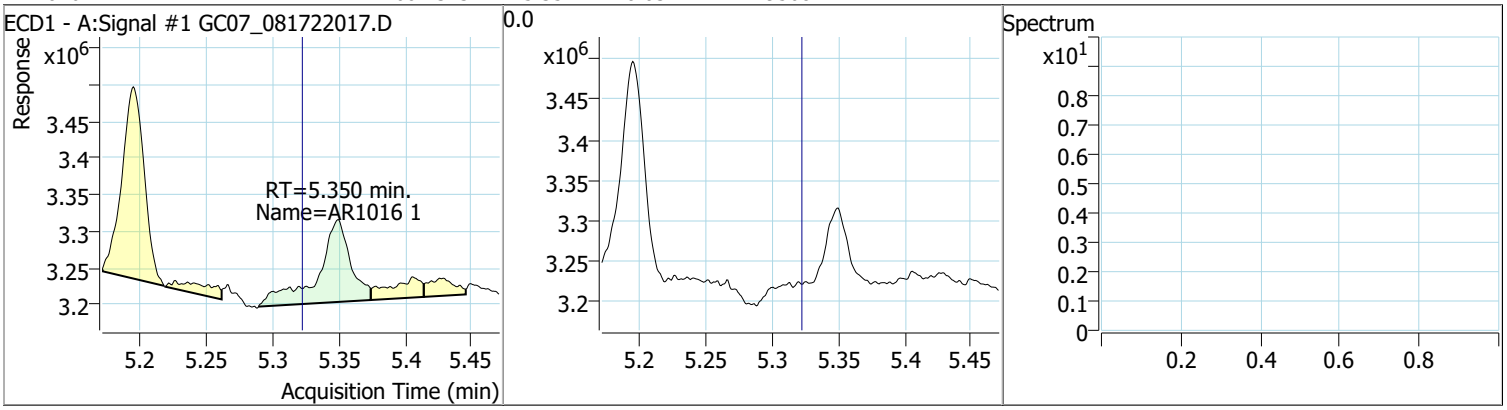
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	40.5241	4.98	0.00	6642761				



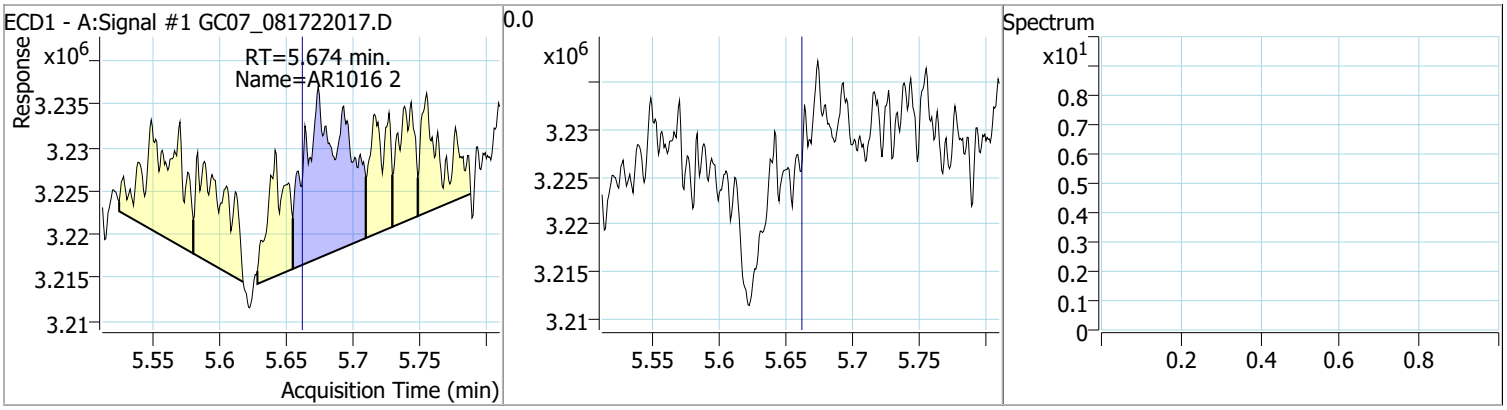
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	38.4843	5.29	0.00	2650267				



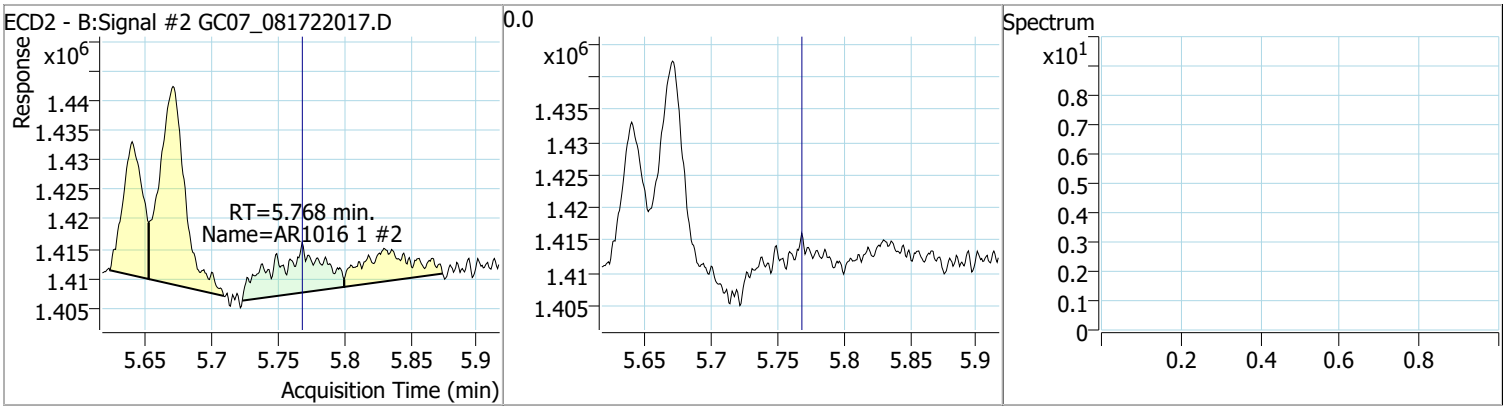
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	60.2343	5.35	0.03	195684				



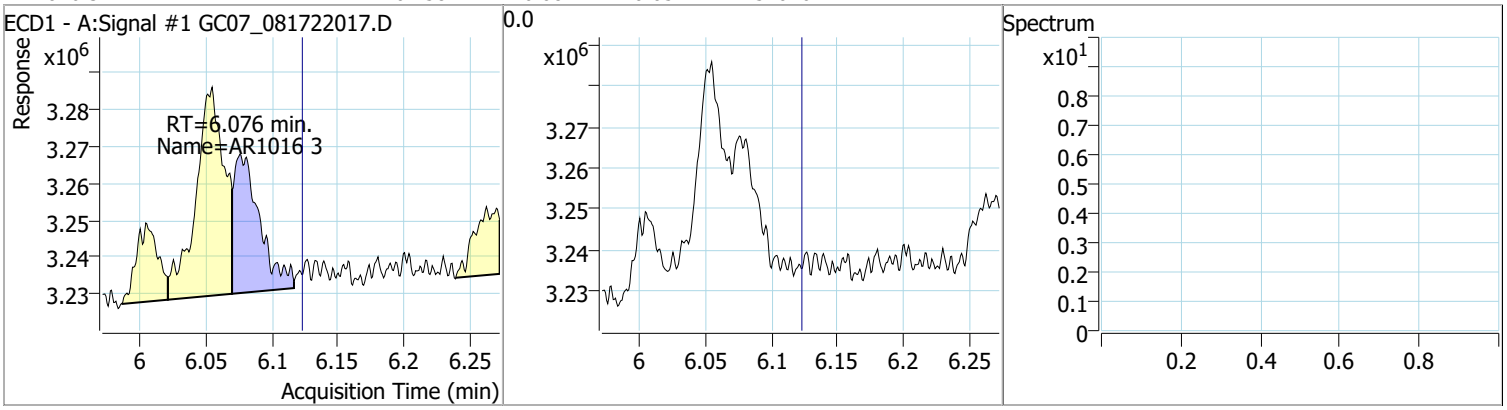
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	6.1314	5.67	0.01	40422				



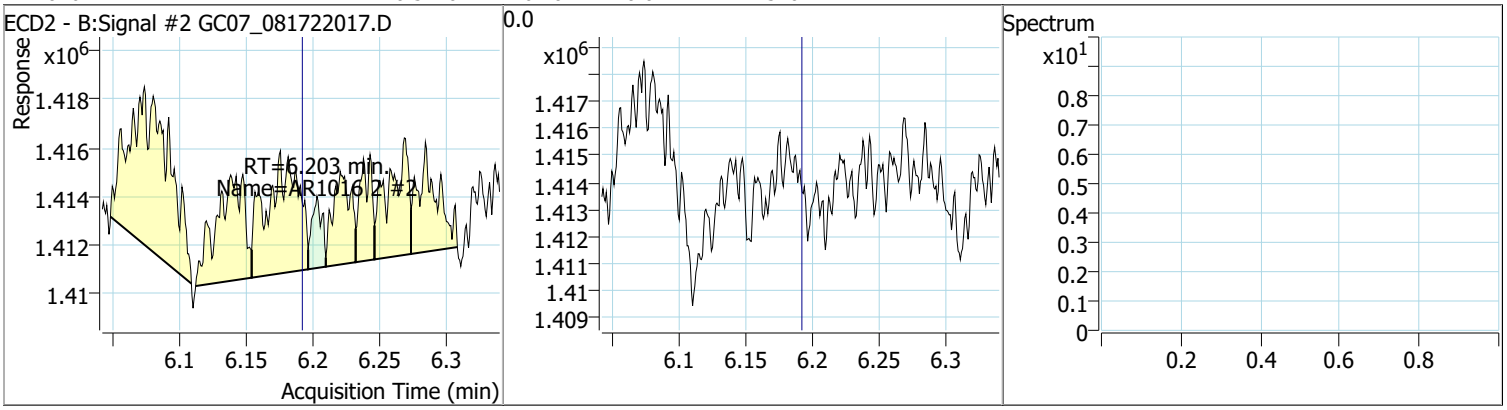
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	14.3537	5.77	0.00	20890				



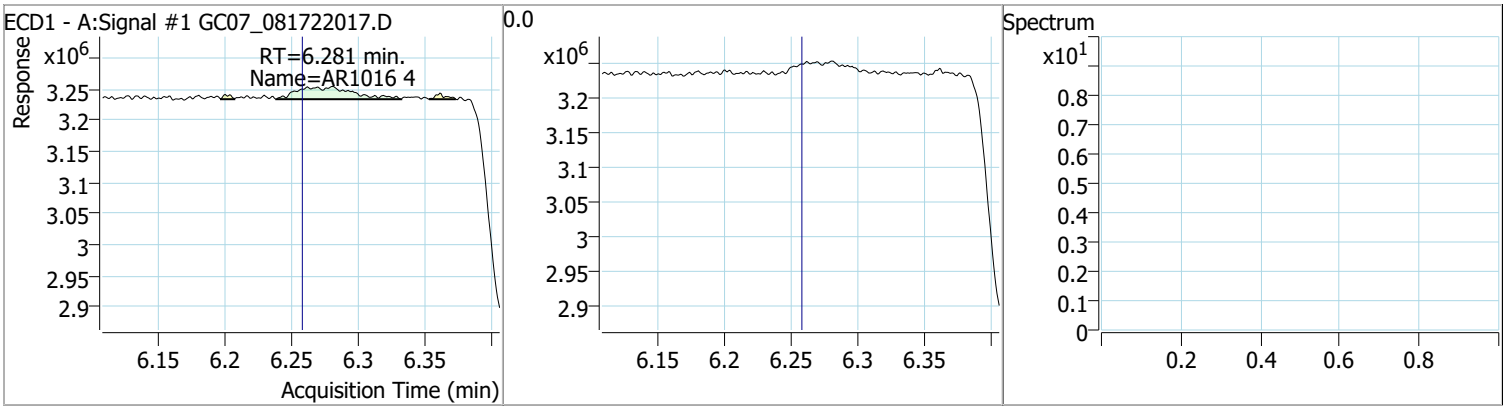
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	6.4581	6.08	-0.05	51046				



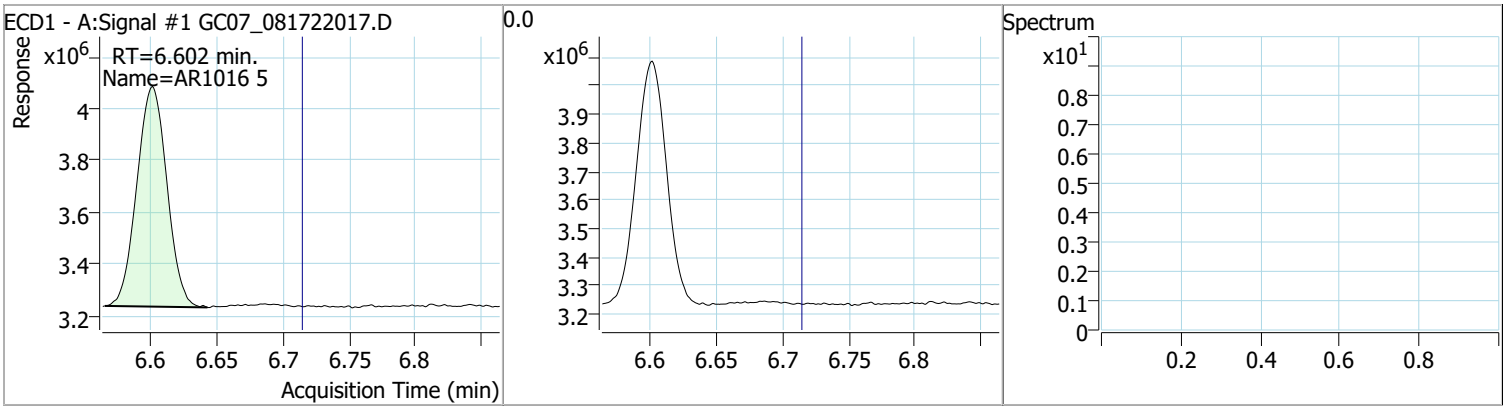
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	0.5210	6.20	0.01	1570				



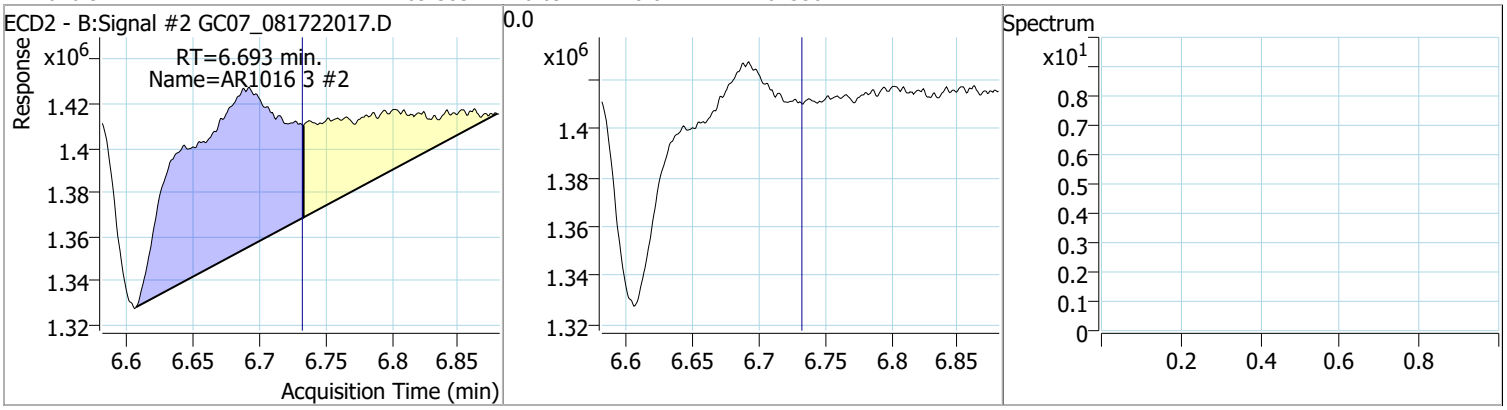
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	11.1917	6.28	0.02	58194				



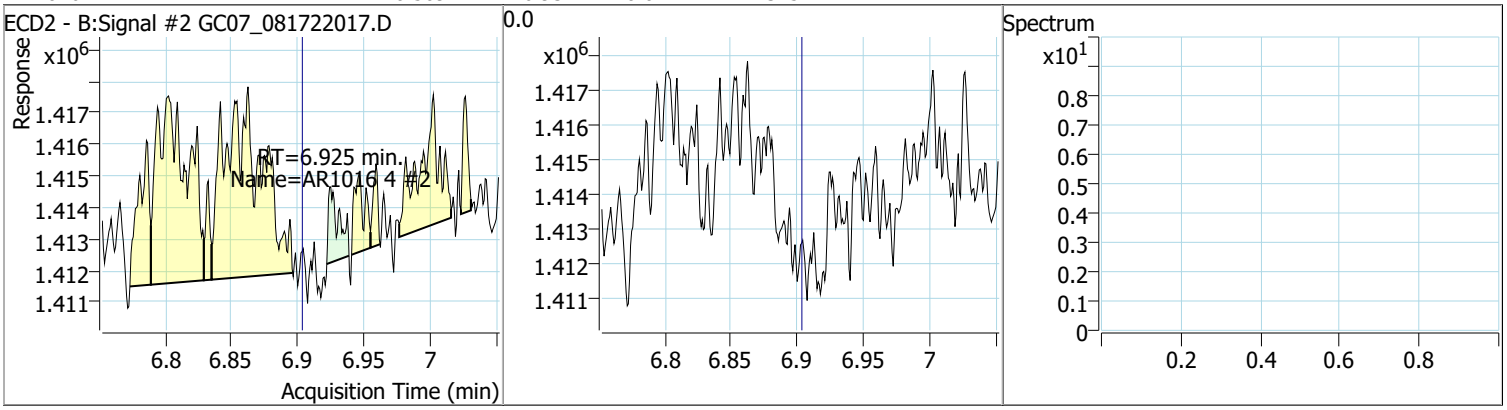
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	293.6859	6.60	-0.11	1343551				



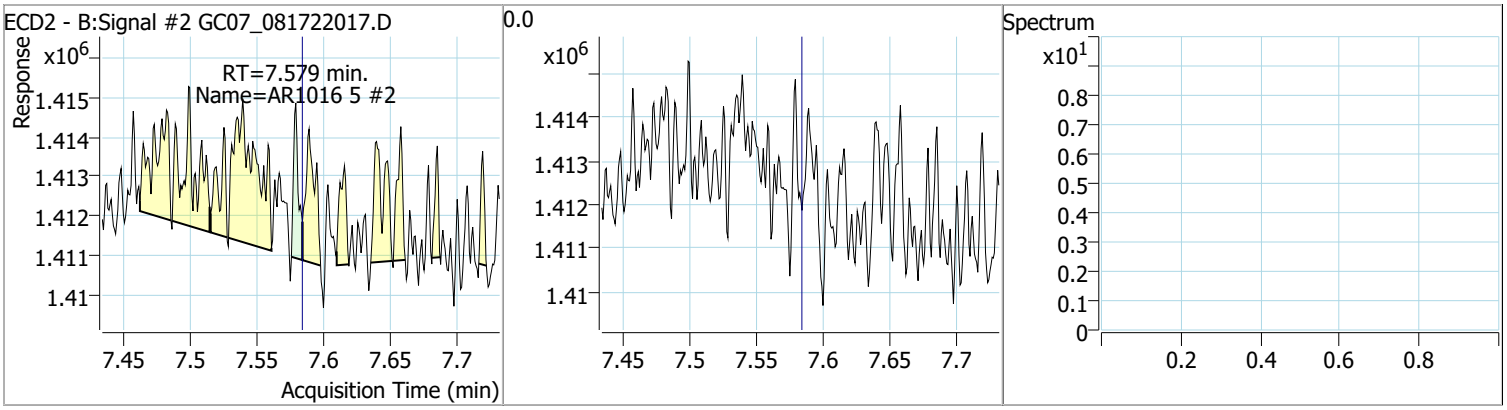
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	109.5832	6.69	-0.04	402550				



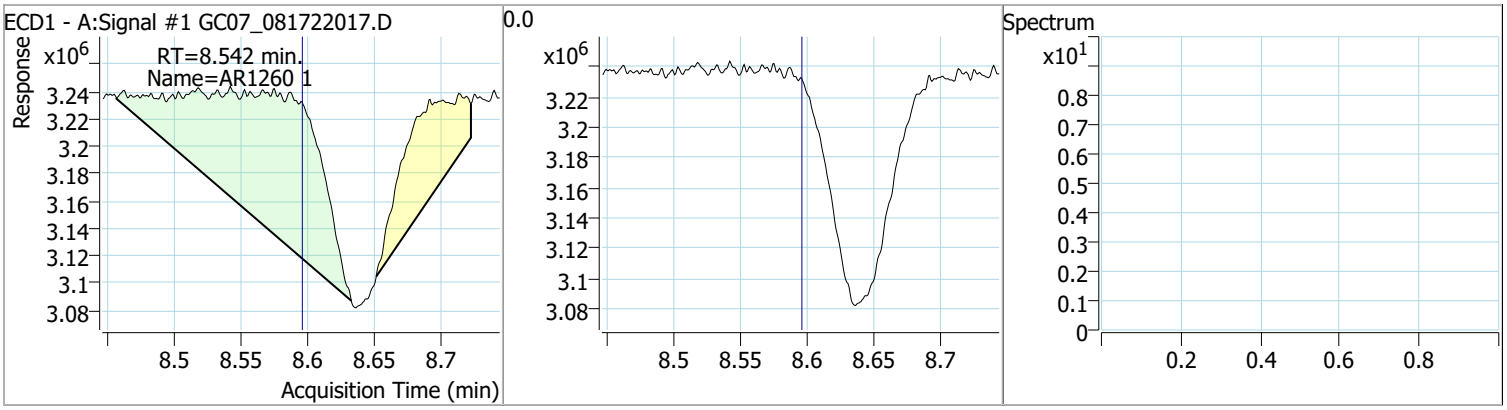
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.5091	6.93	0.02	1325				



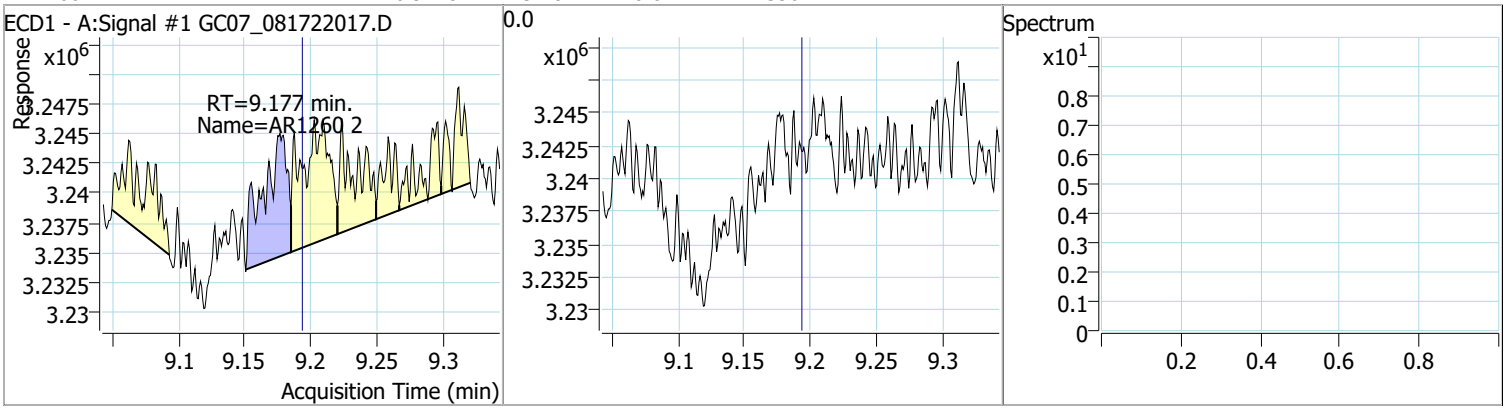
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.4714	7.58	0.00	974				



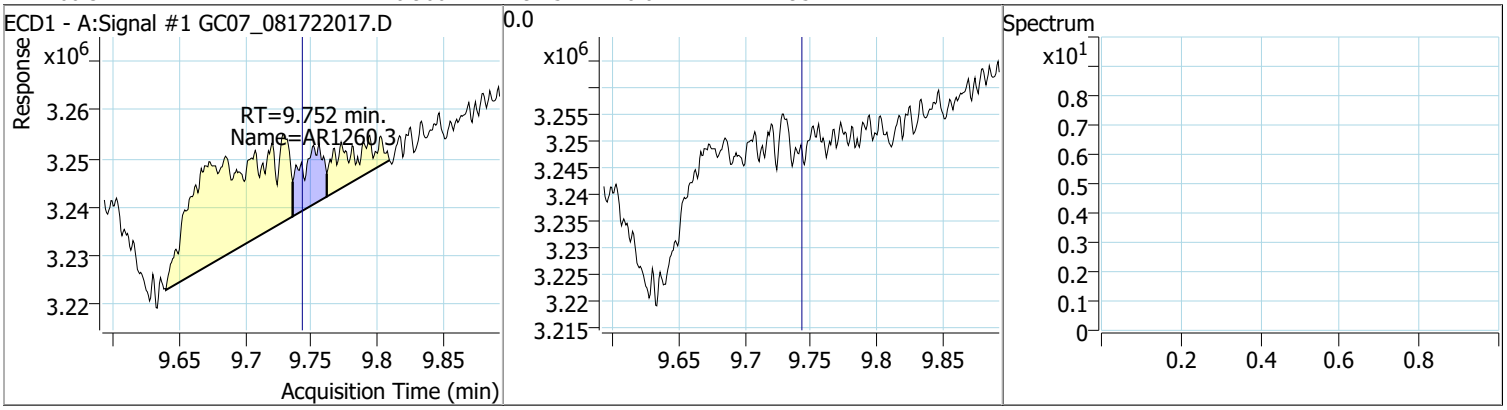
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	70.6266	8.54	-0.05	653492				



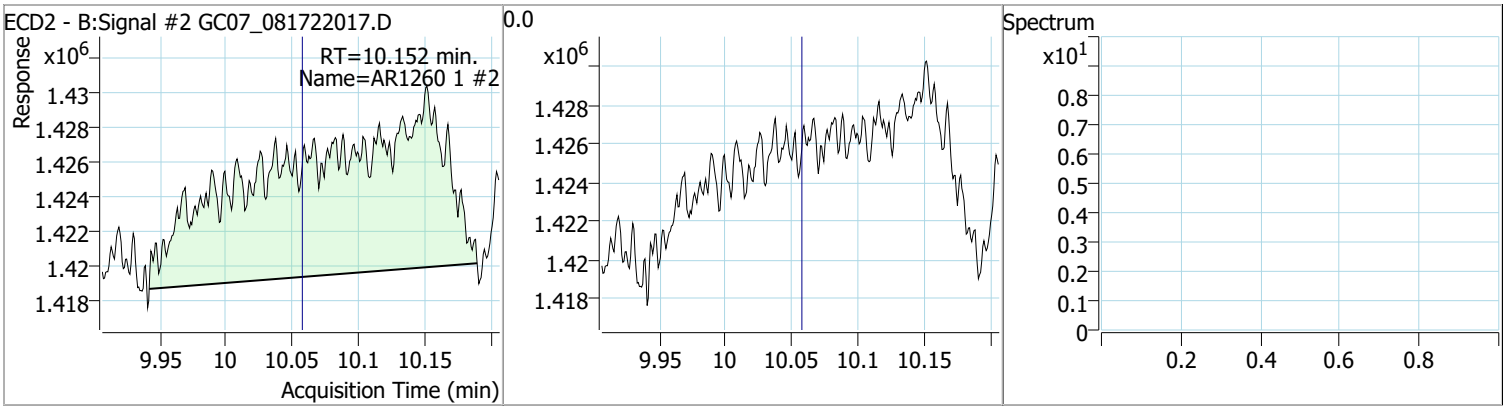
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.9728	9.18	-0.02	13364				



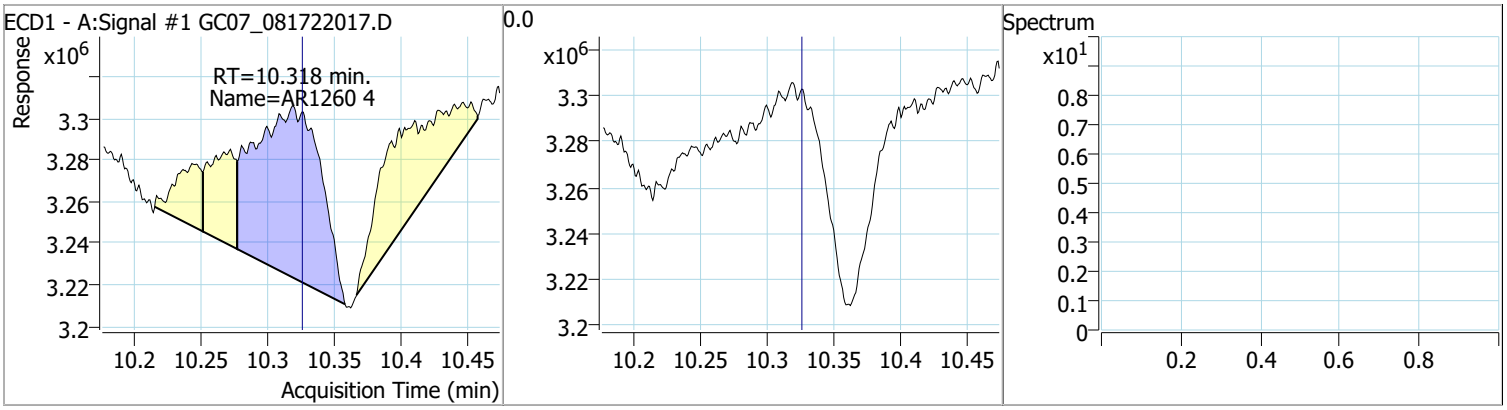
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	0.9661	9.75	0.01	14295				



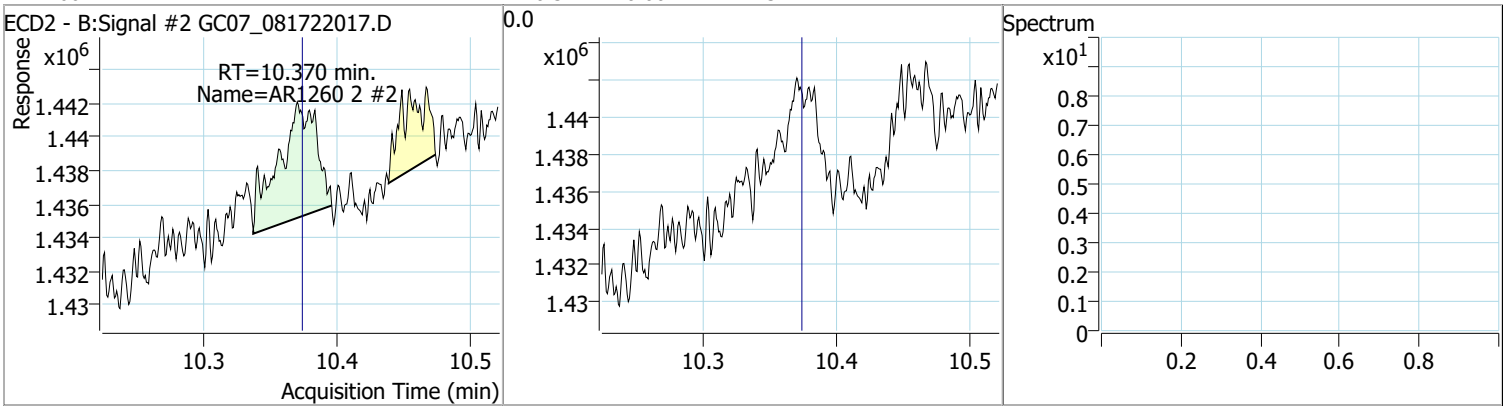
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	20.6305	10.15	0.10	86407				



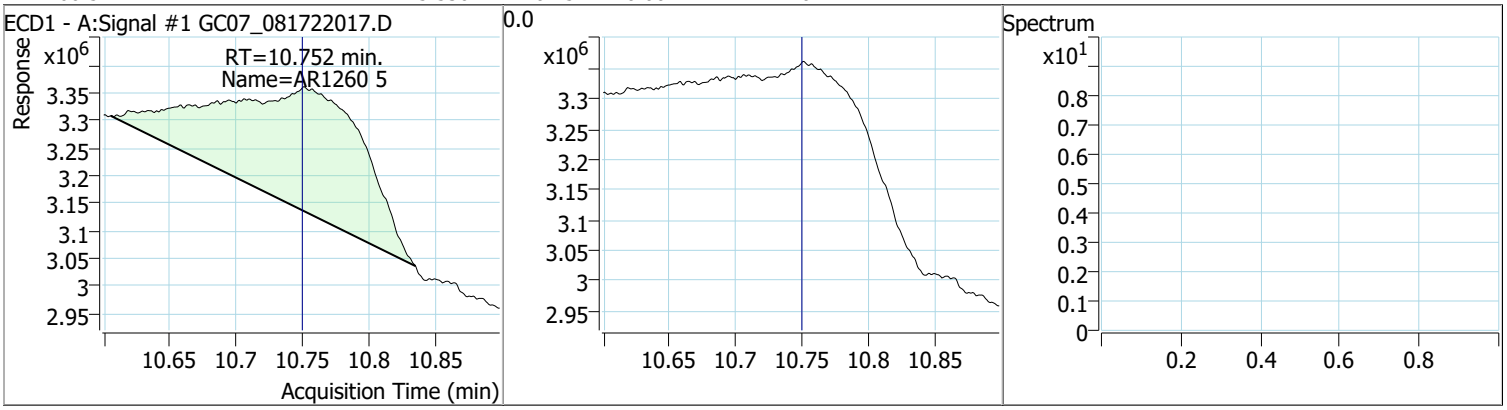
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	40.8503	10.32	-0.01	283921				



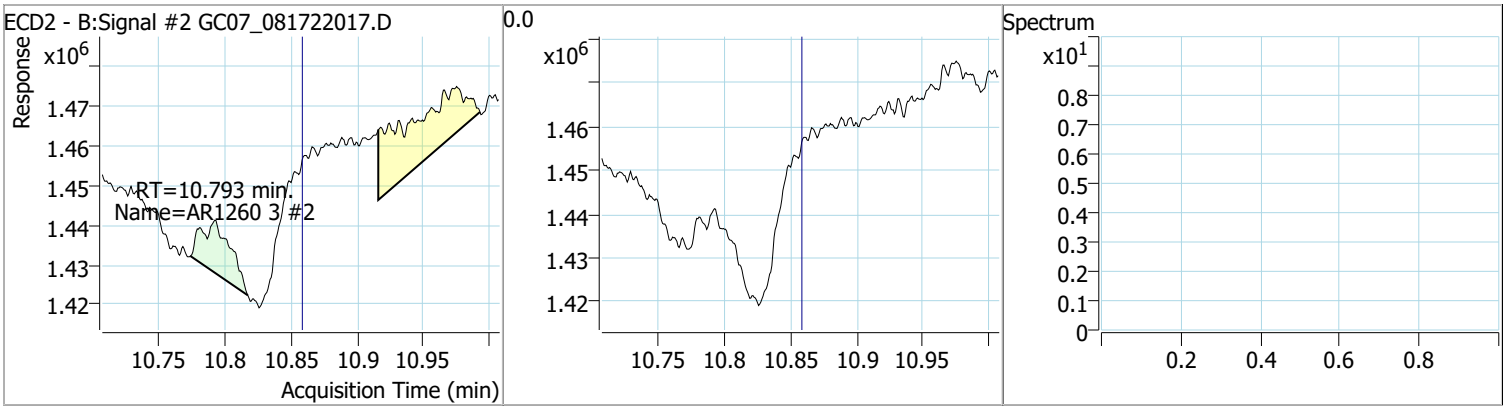
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	2.7241	10.37	0.00	13721				



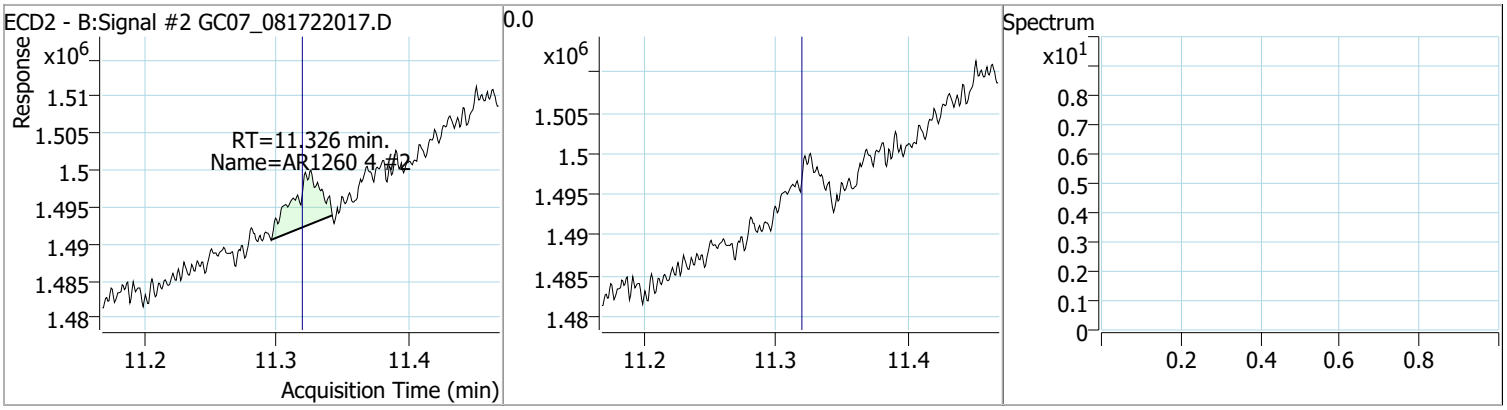
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	115.5302	10.75	0.00	1711074				



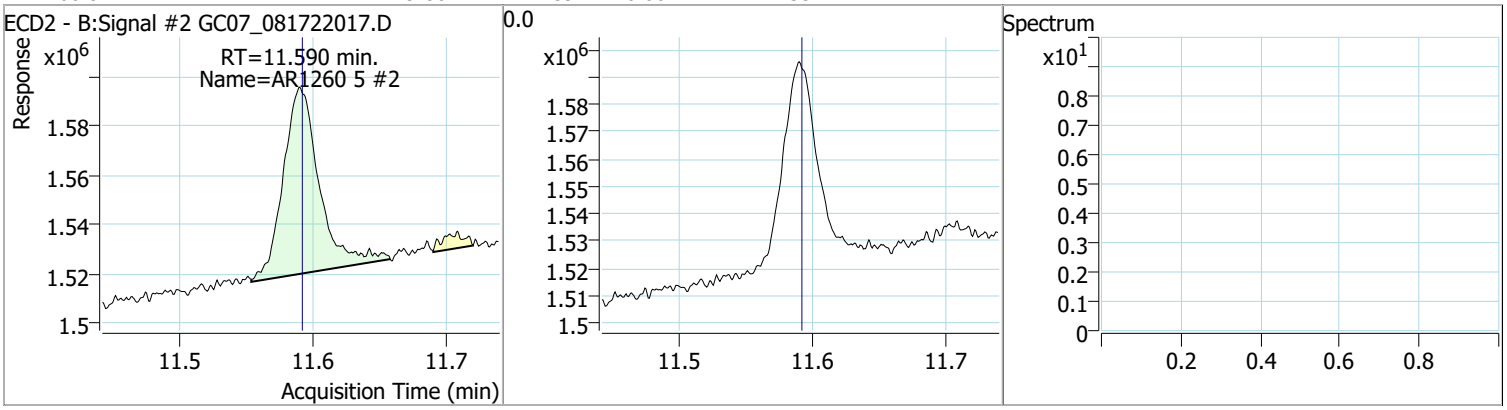
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	3.0265	10.79	-0.06	20143				



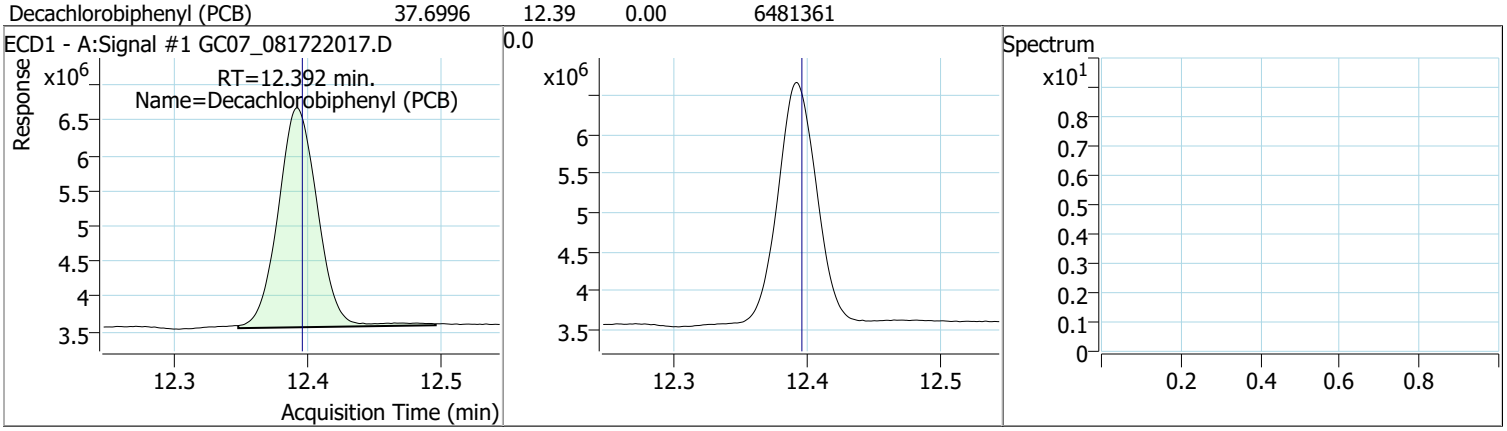
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	2.9935	11.33	0.01	10898				



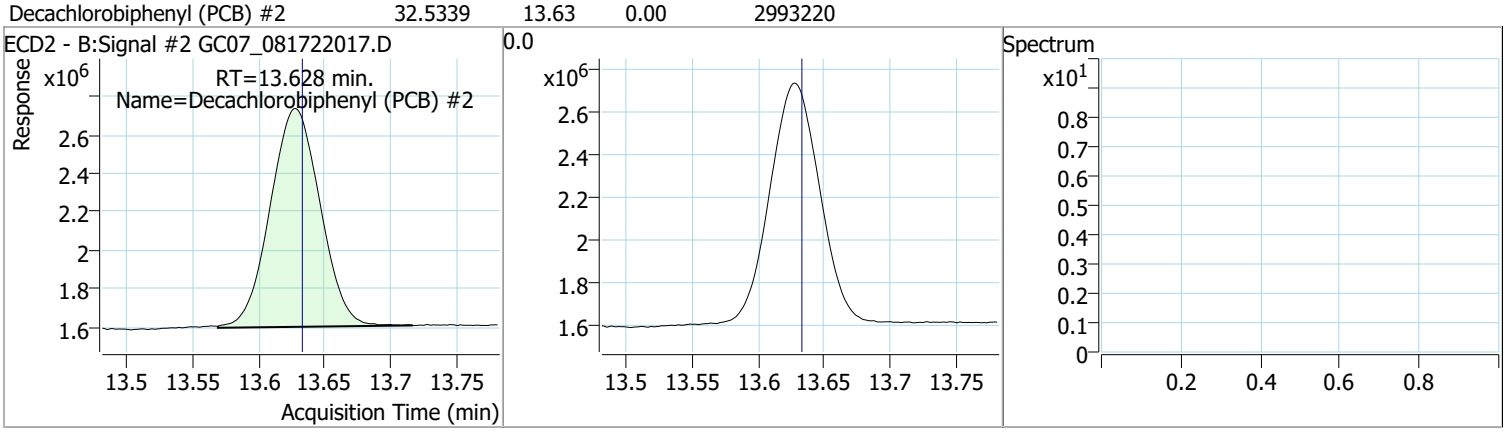
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	19.8042	11.59	0.00	142351				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	37.6996	12.39	0.00	6481361				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	32.5339	13.63	0.00	2993220				



QC Raw Data

ENTHALPY BLANK USER REPORT FOR 467322 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07	Lab ID:	QC1007019		
Seqnum:	462330672013.1	Matrix:	Wipe		
File:	gc07_081722013	Batch:	295181	Time:	17-AUG-2022 17:51
Cal:	462329480002	Caldate:	16-AUG-2022		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Flags
Aroclor-1016	B	2.815	ug/L	ND	0.17	144%	0.50	u
Aroclor-1221	B			ND			0.50	u
Aroclor-1232	B			ND			0.50	u
Aroclor-1242	B			ND			0.50	u
Aroclor-1248	B			ND			0.50	u
Aroclor-1254	B			ND			0.50	u
Aroclor-1260	B	1.834	ug/L	ND	ND	124%	0.50	u
Aroclor-1262	B			ND			0.50	u
Aroclor-1268	B			ND			0.50	u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	48.88	pg/uL	0.5000	0.4888	98	52-186	u
Decachlorobiphenyl (PCB)	B	40.40	pg/uL	0.5000	0.4040	81	60-140	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_081722008)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1614566	1141482	-29.30
1-bromo-2-nitrobenzene (PCB)	A	4299947	3230473	-24.87

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

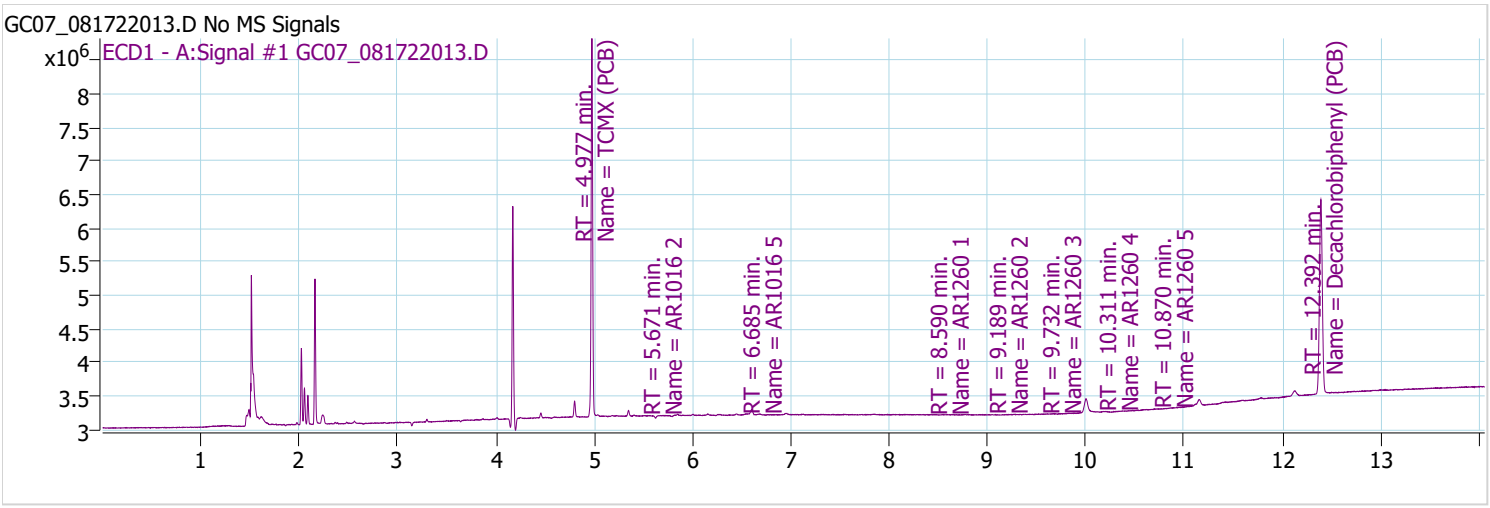
ISTD (CCV gc07_081722008)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.35	4.35	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.17	4.17	0.00

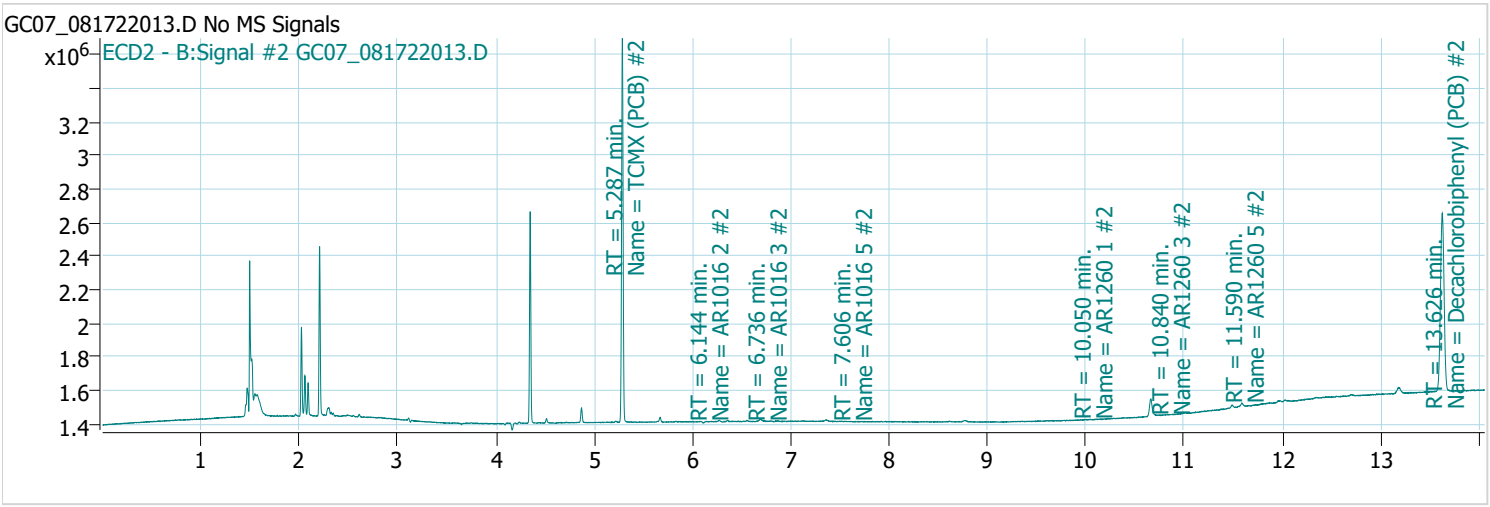
+=high bias c=CCV u=use

Analyst: TRN 08/18/22 **Reviewer:** SLL 08/19/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_081722013.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	8/17/2022 5:51:22 PM
Sample Name	QC1007019, 295181, 1	Instrument	SVOA-GC07
Vial	1	Multiplier	1.00
DA Method File	PCB_608_081622_GC07_2.m	Comment	WIPE/1DM2-20ML
Tune File	ATUNE.U	Tune Date	
Batch Name	081722PCB.batch.bin	Last Calib Update	8/18/2022 11:24:04 AM
Ref Library			



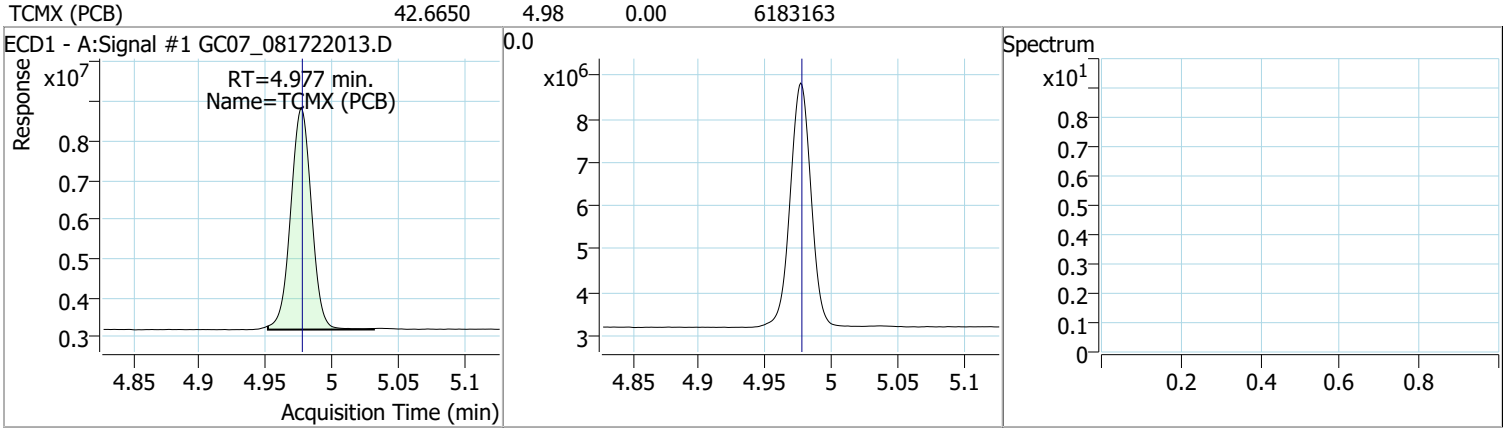


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.173	0.0	3230472.581	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.349	0.0	1141481.616	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	4.977	0.0	6183162.886	42.6650	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 213.33%		*	
S TCMX (PCB) #2	5.287	0.0	2487937.938	48.8516	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 244.26%		*	
S Decachlorobiphenyl (PCB)	12.392	0.0	5885043.812	38.7183	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 193.59%		*	
S Decachlorobiphenyl (PCB) #2	13.626	0.0	2747572.631	40.3823	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 201.91%		*	
Target Compounds							QValue

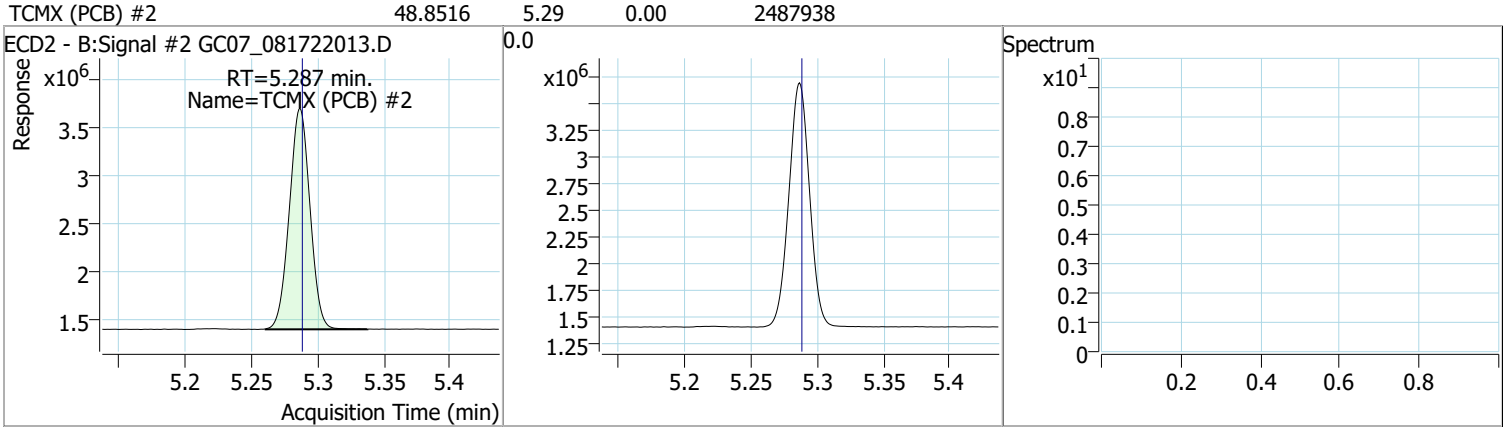
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.349	0.0	99460.802	34.6288	ng/ml	100
T AR1016 2	5.671	0.0	208900.673	35.8409	ng/ml	100
T AR1016 1 #2	5.773	0.0	3120.419	2.8992	ng/ml	100
T AR1016 3	6.123	0.0	5784.574	0.8278	ng/ml	100
T AR1016 2 #2	6.144	0.0	19015.884	8.5325	ng/ml	100
T AR1016 4	6.260	0.0	47355.570	10.3012	ng/ml	100
T AR1016 5	6.685	0.0	20825.421	5.1490	ng/ml	100
T AR1016 3 #2	6.736	0.0	2977.636	1.0961	ng/ml	100
T AR1016 4 #2	6.902	0.0	1104.945	0.5742	ng/ml	100
T AR1016 5 #2	7.606	0.0	1475.976	0.9658	ng/ml	100
T AR1260 1	8.590	0.0	8441.099	1.0319	ng/ml	100
T AR1260 2	9.189	0.0	2404.604	0.1980	ng/ml	100
T AR1260 3	9.732	0.0	3859.767	0.2950	ng/ml	100
T AR1260 1 #2	10.050	0.0	1132.955	0.3658	ng/ml	100
T AR1260 4	10.311	0.0	2668.096	0.4342	ng/ml	100
T AR1260 2 #2	10.377	0.0	1594.759	0.4281	ng/ml	100
T AR1260 5	10.870	0.0	2390.368	0.1826	ng/ml	100
T AR1260 3 #2	10.840	0.0	662.431	0.1346	ng/ml	100
T AR1260 4 #2	11.326	0.0	1368.591	0.5083	ng/ml	100
T AR1260 5 #2	11.590	0.0	41093.447	7.7306	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

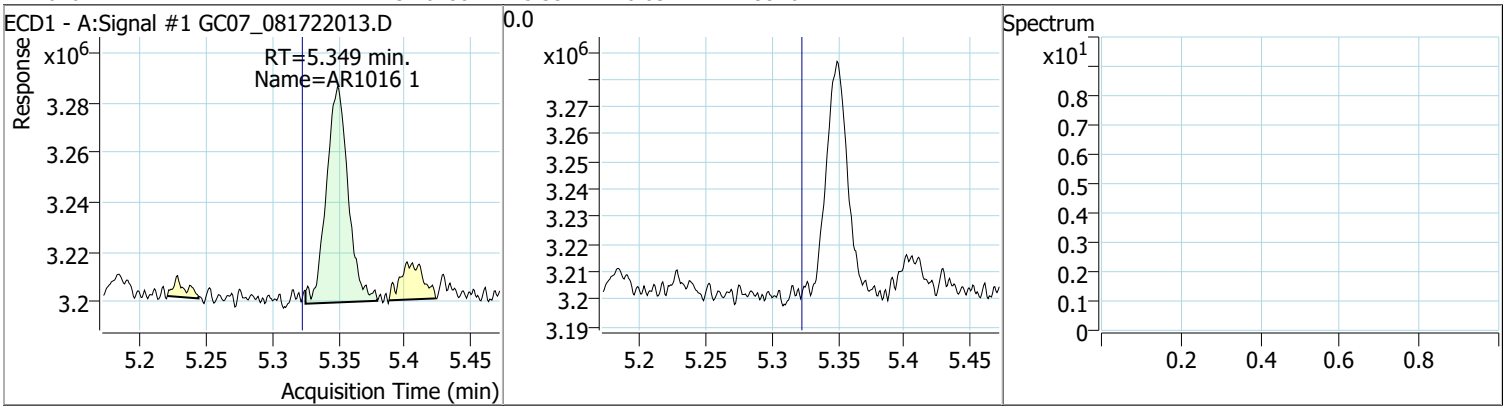
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	42.6650	4.98	0.00	6183163				



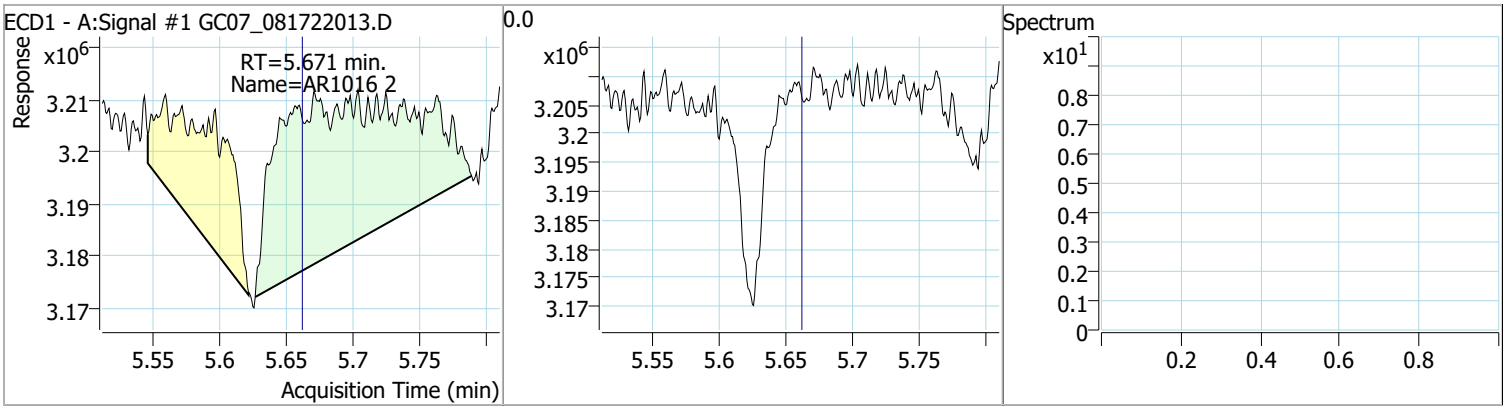
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	48.8516	5.29	0.00	2487938				



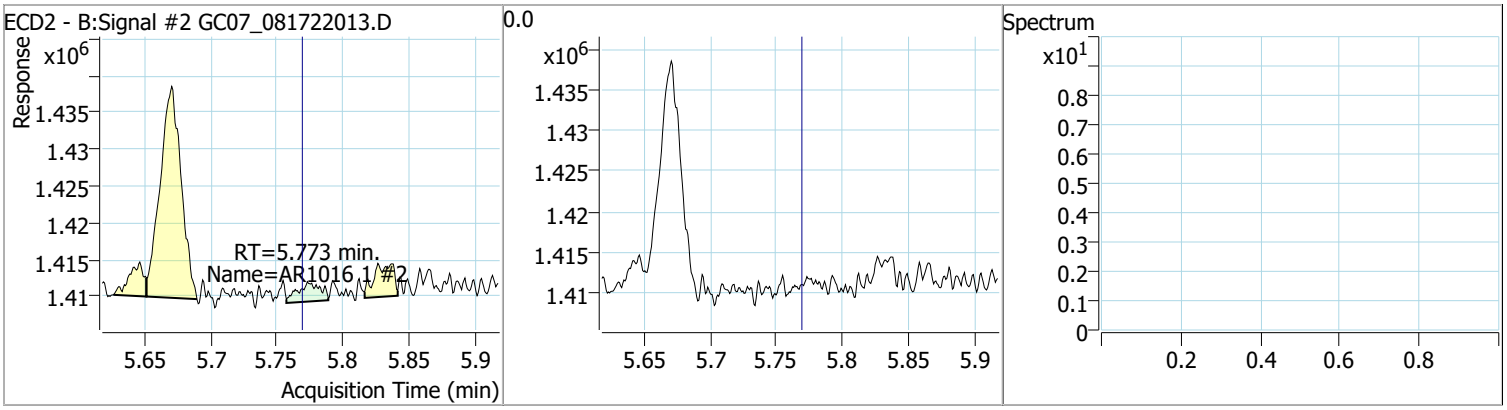
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	34.6288	5.35	0.03	99461				



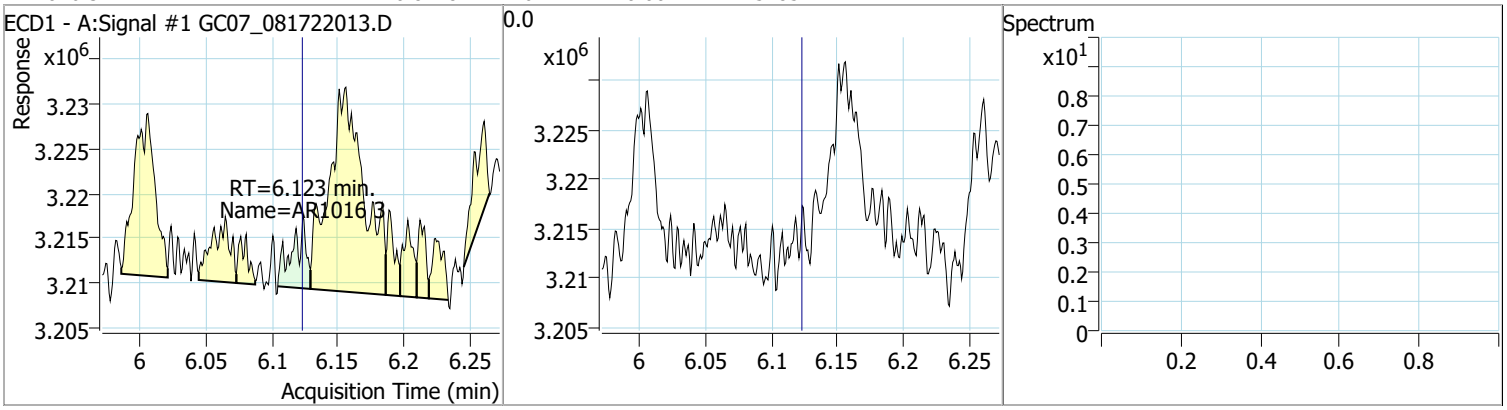
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	35.8409	5.67	0.01	208901				



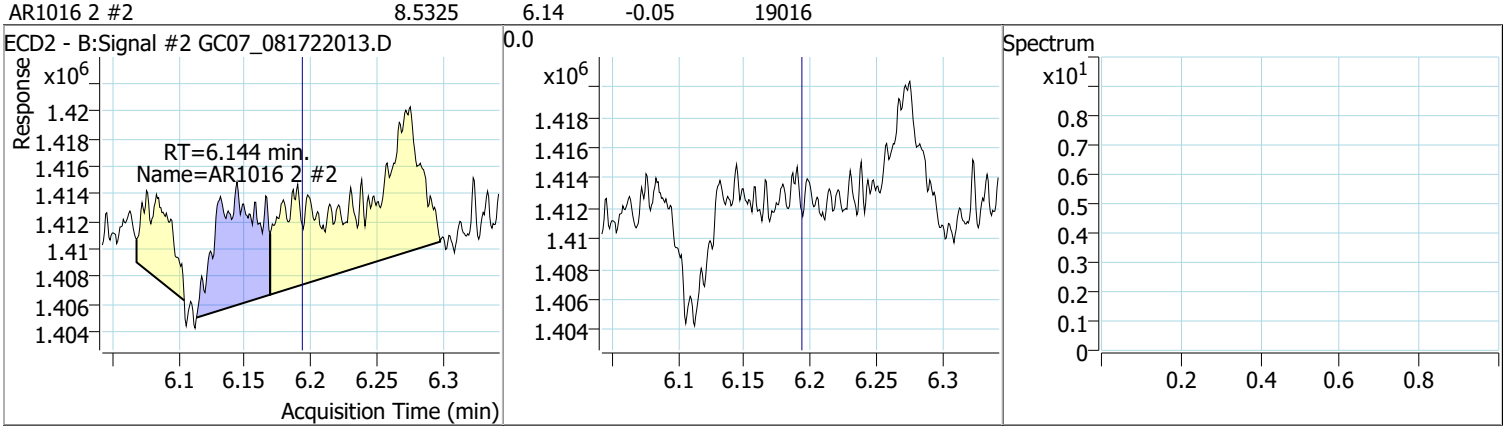
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	2.8992	5.77	0.01	3120				



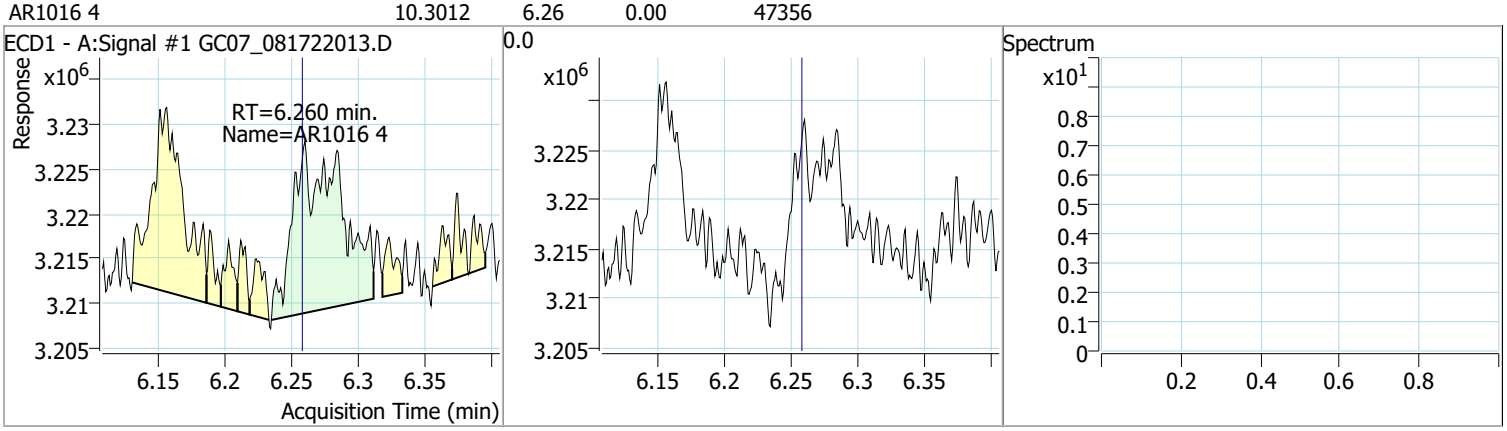
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	0.8278	6.12	0.00	5785				



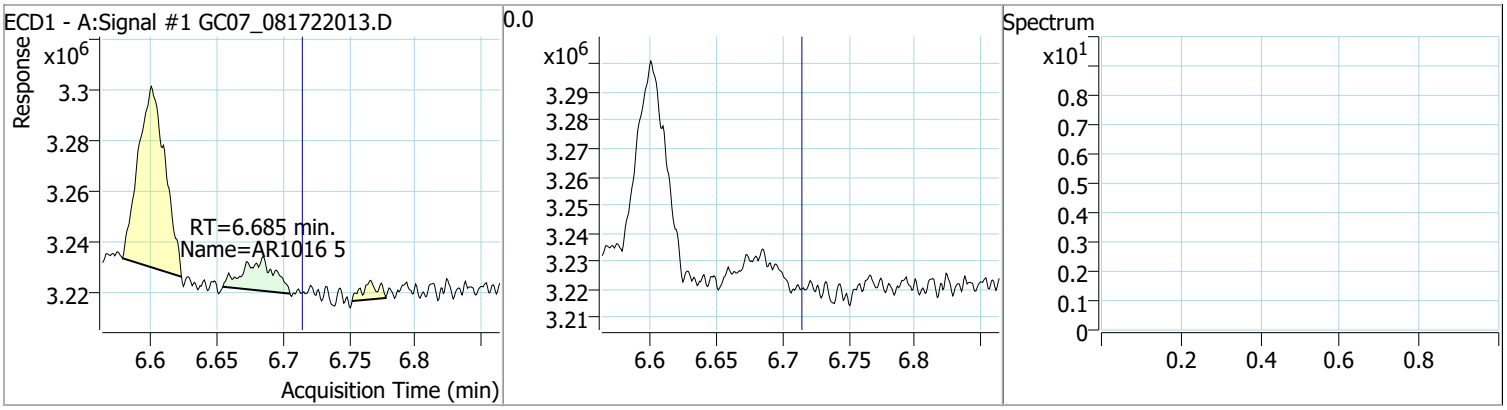
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	8.5325	6.14	-0.05	19016				



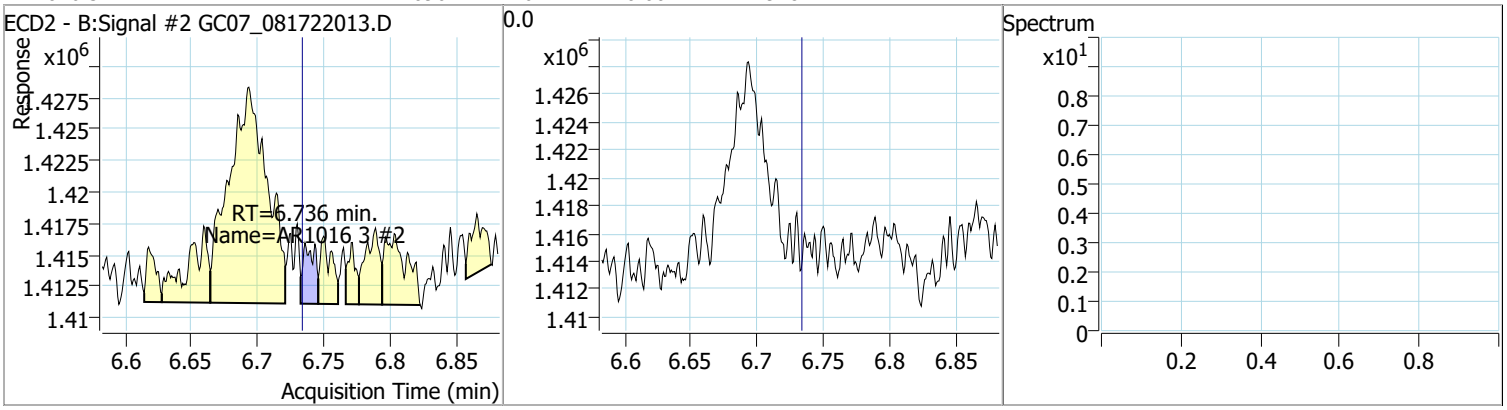
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	10.3012	6.26	0.00	47356				



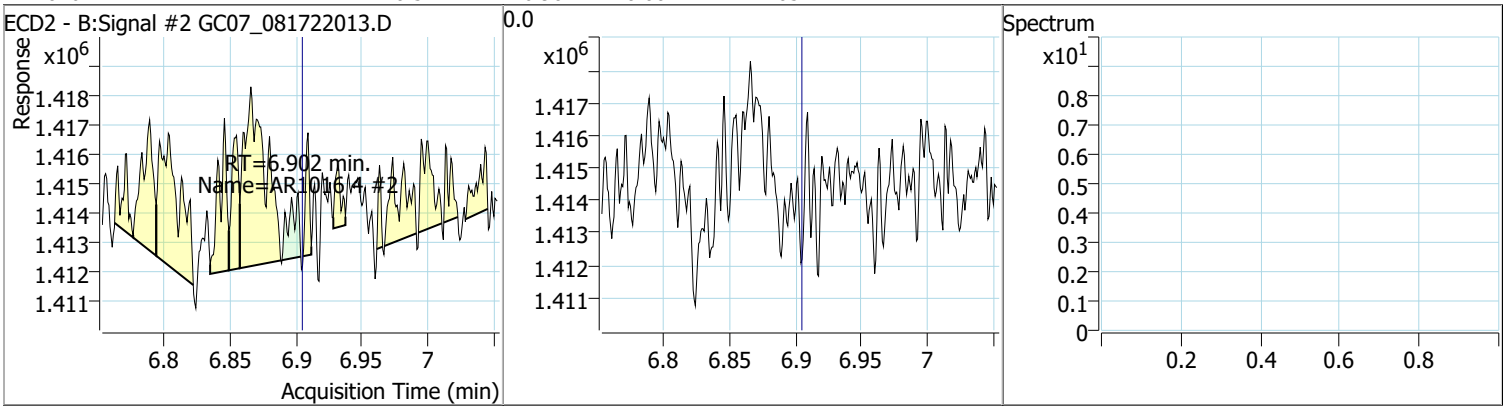
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	5.1490	6.69	-0.03	20825				



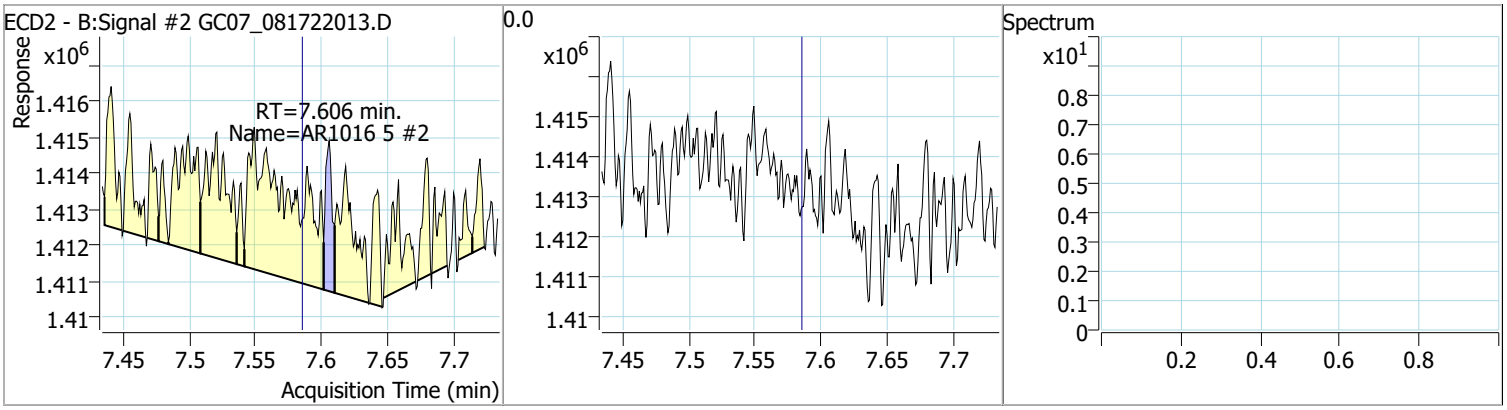
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1.0961	6.74	0.00	2978				



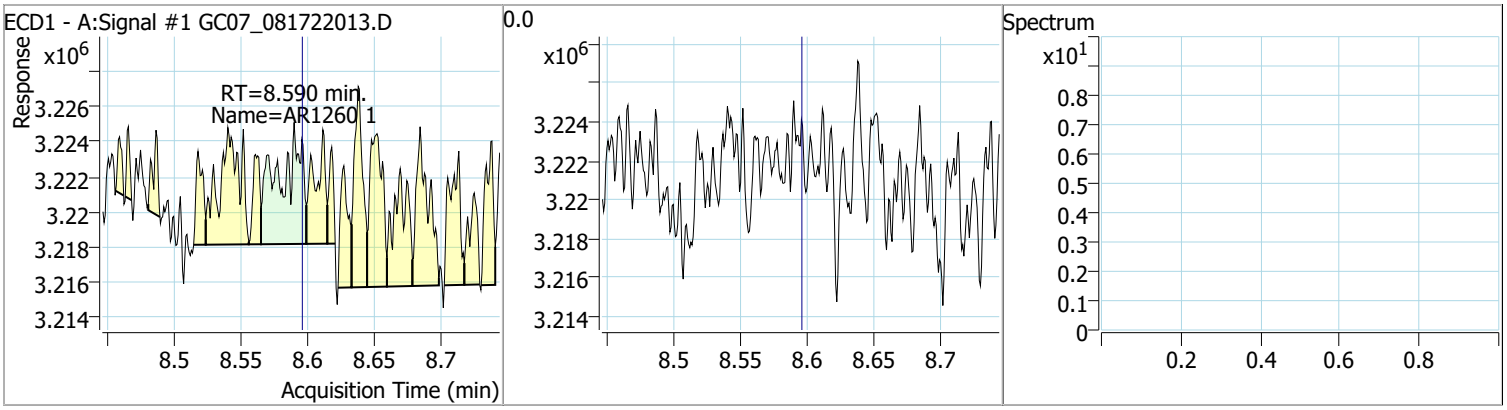
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.5742	6.90	0.00	1105				



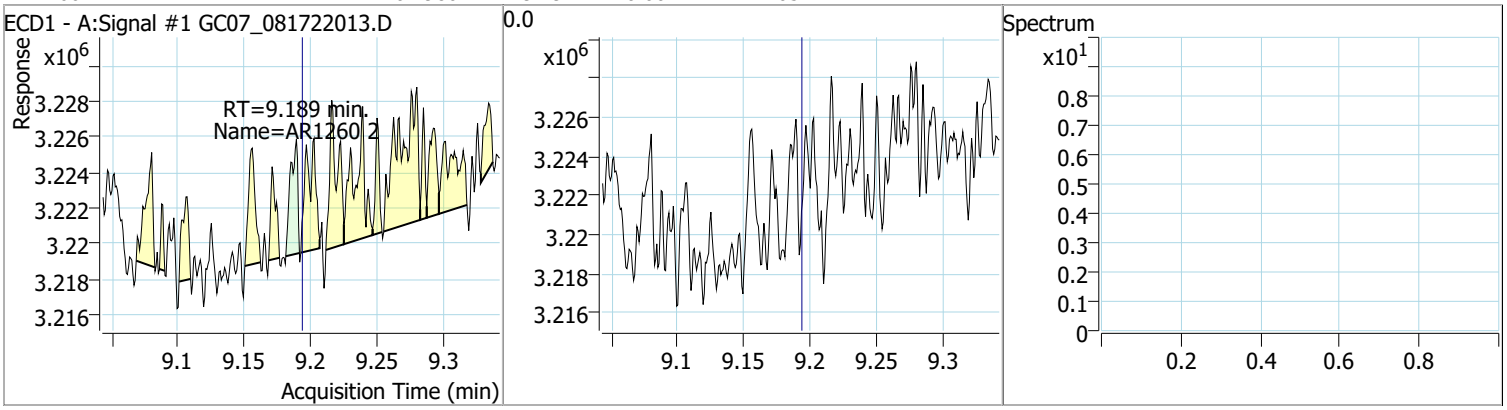
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.9658	7.61	0.02	1476				



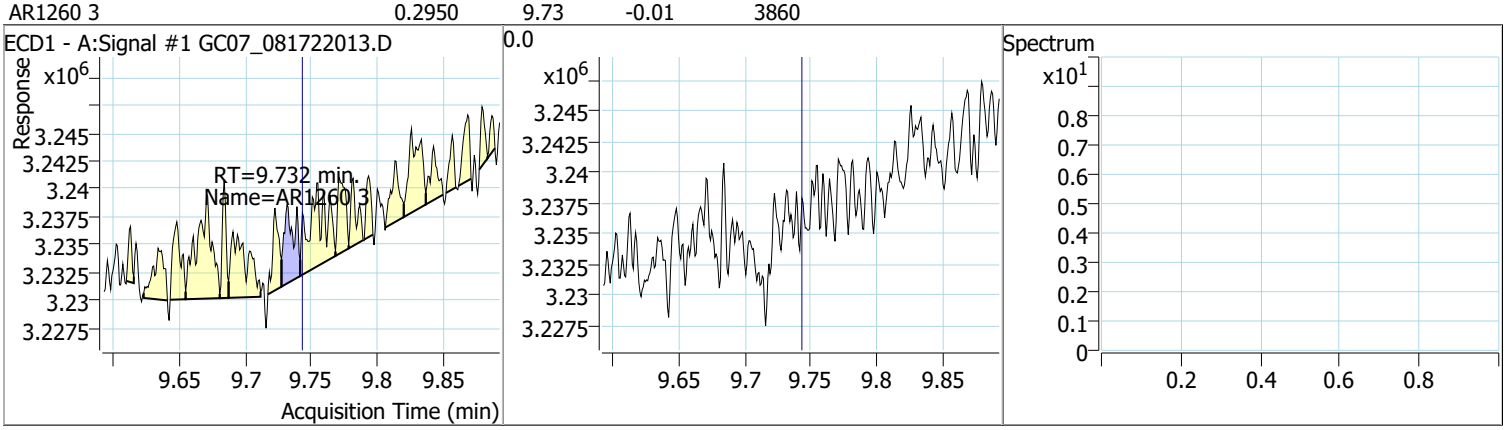
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1.0319	8.59	-0.01	8441				



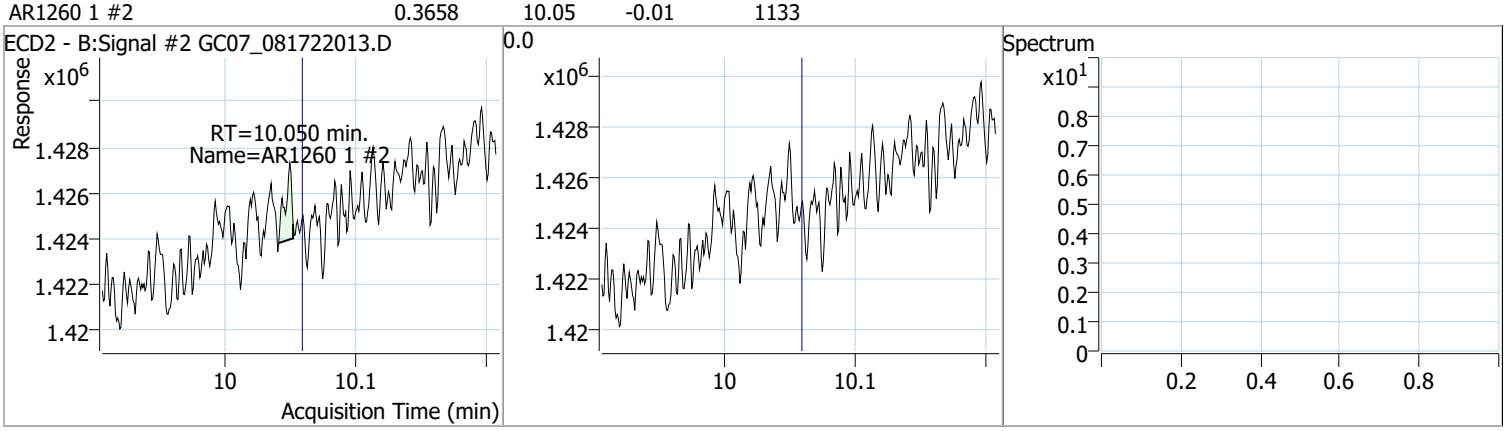
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.1980	9.19	0.00	2405				



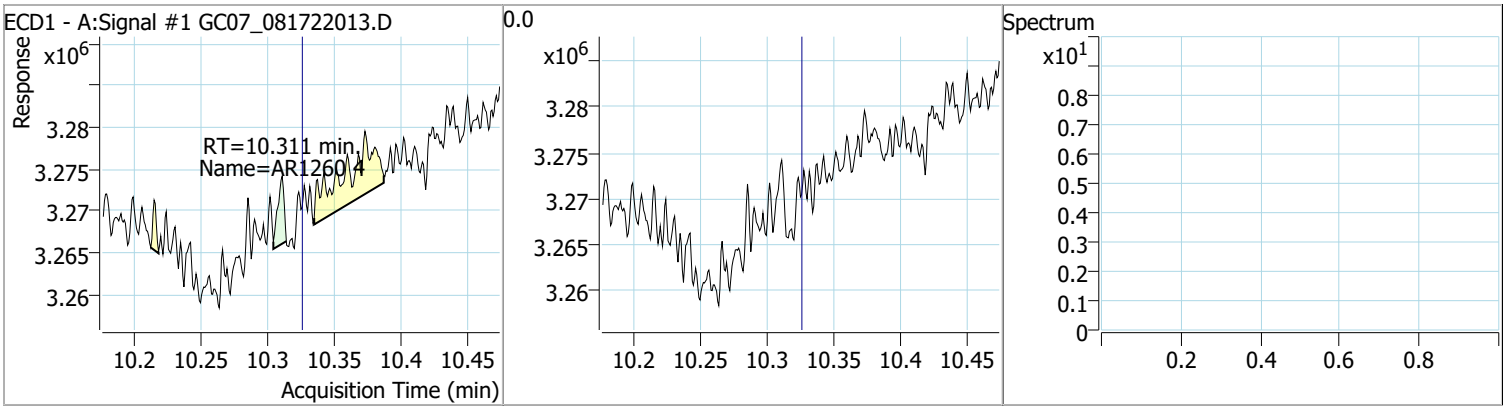
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	0.2950	9.73	-0.01	3860				



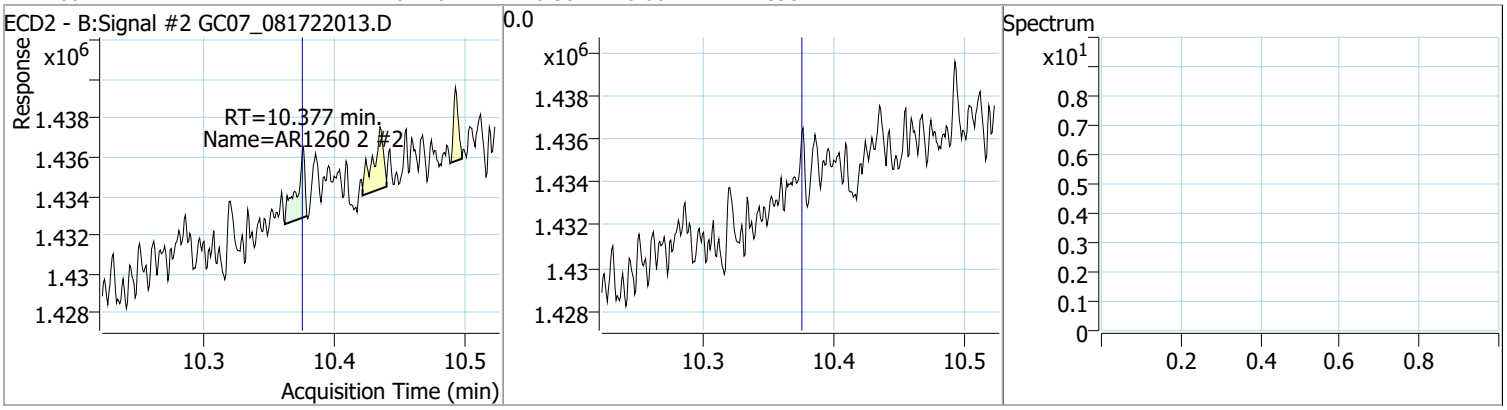
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	0.3658	10.05	-0.01	1133				



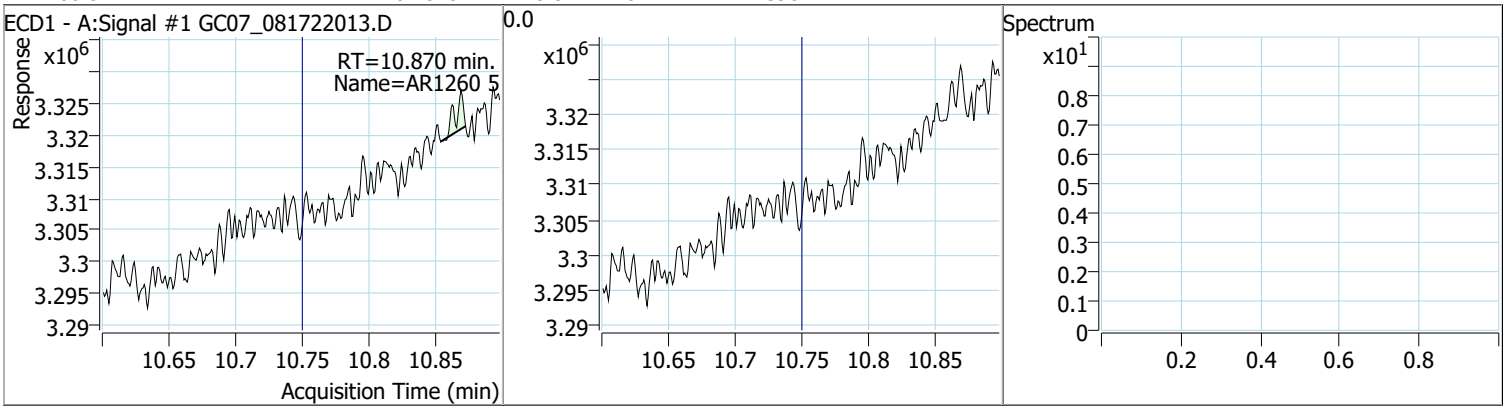
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	0.4342	10.31	-0.01	2668				



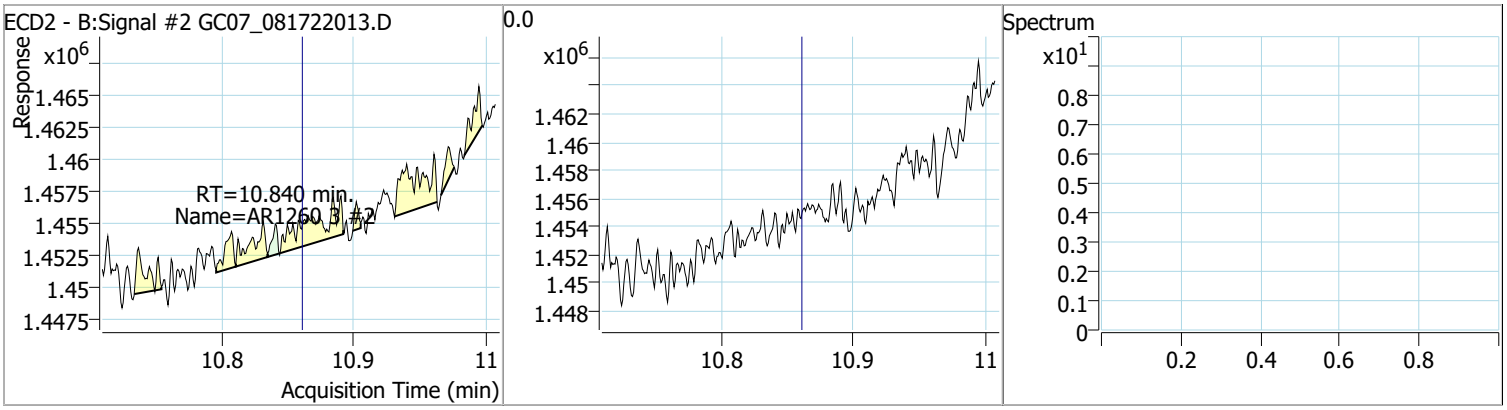
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	0.4281	10.38	0.00	1595				



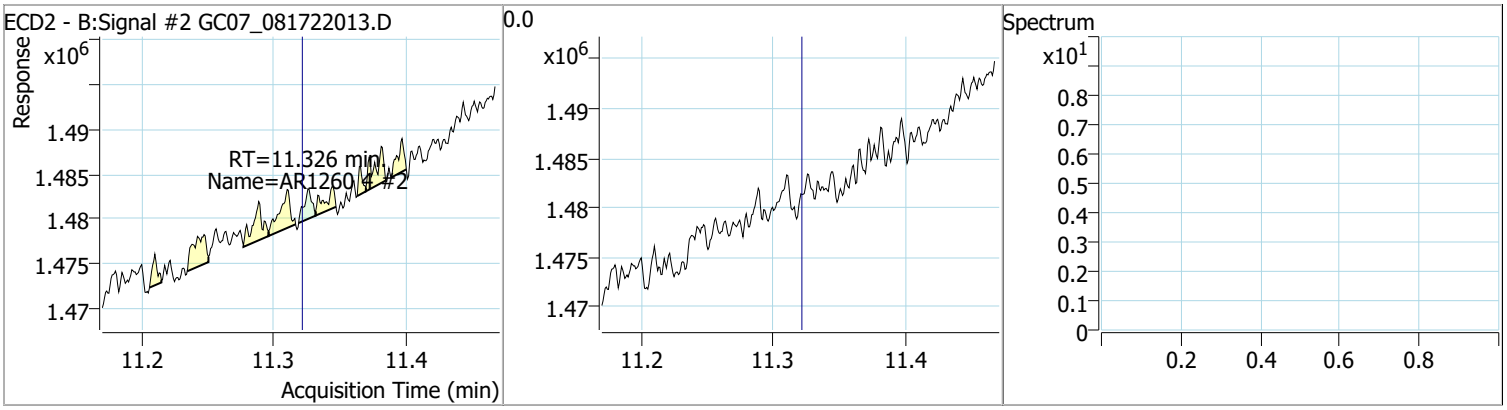
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	0.1826	10.87	0.12	2390				



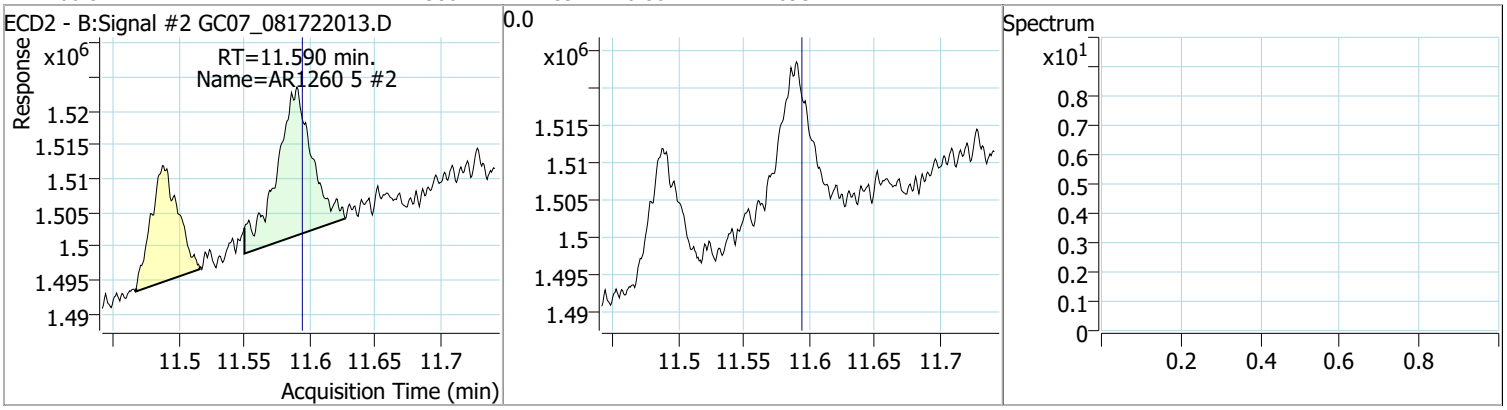
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	0.1346	10.84	-0.02	662				



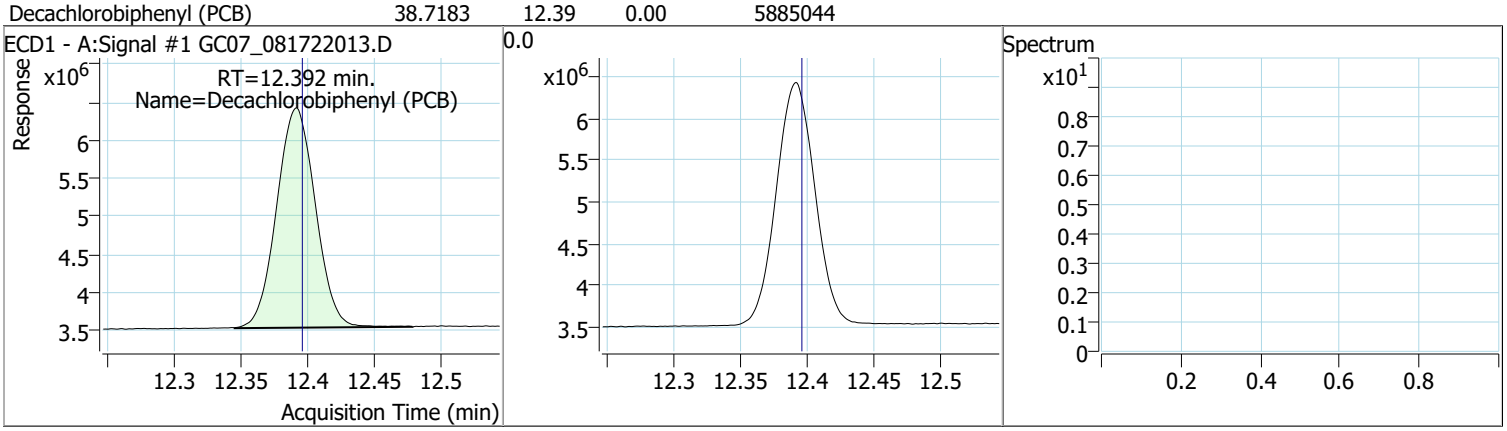
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.5083	11.33	0.01	1369				



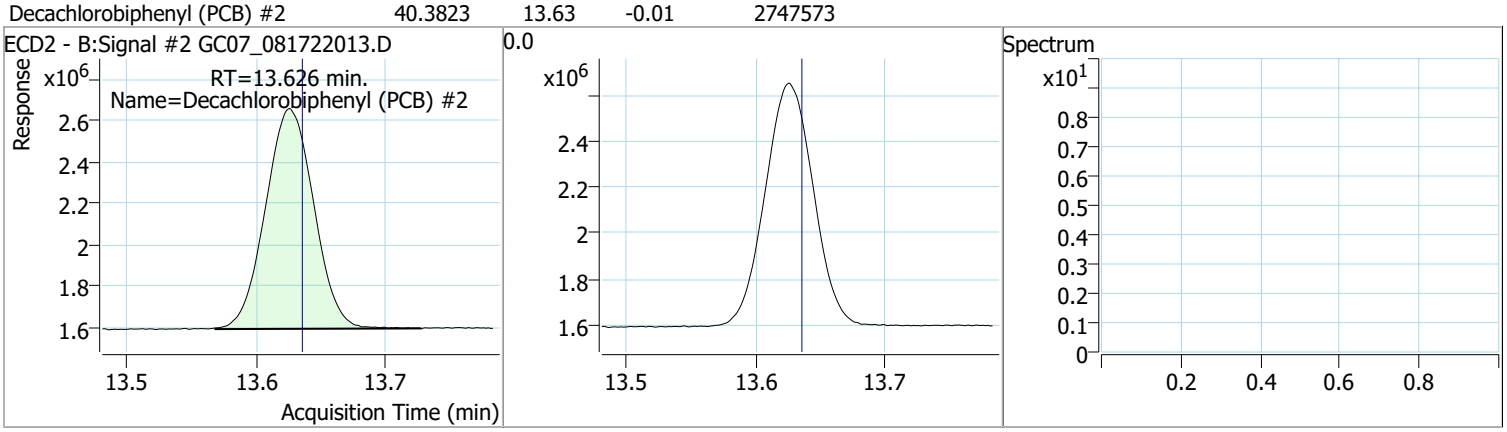
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	7.7306	11.59	0.00	41093				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	38.7183	12.39	0.00	5885044				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	40.3823	13.63	-0.01	2747573				



ENTHALPY SPIKE USER REPORT FOR 467322 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC07	Inst:	SVOA-GC07
Seqnum:	462330672014.1	Seqnum:	462330672015.1
File:	gc07_081722014	File:	gc07_081722015
IDF:	1.0	IDF:	1.0
Lab ID:	QC1007020	Lab ID:	QC1007021
Matrix:	Wipe	Matrix:	Wipe
Batch:	295181	Batch:	295181
Time:	17-AUG-2022 18:08	Time:	17-AUG-2022 18:26
Cal:	462329480002	Cal:	462329480002
Units:	ug/dm2		

- BS: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Aroclor-1016	5.000	544.9	5.449	B	109	556.2	5.562	B	111	60-140	2	20	u
Aroclor-1016 Peak # 1		546.2	5.462	B		556.9	5.569	B					
Aroclor-1016 Peak # 2		538.5	5.385	B		549.1	5.491	B					
Aroclor-1016 Peak # 3		524.8	5.248	B		539.9	5.399	B					
Aroclor-1016 Peak # 4		553.4	5.534	B		562.1	5.621	B					
Aroclor-1016 Peak # 5		561.7	5.617	B		572.8	5.728	B					
Aroclor-1260	5.000	571.4	5.714	B	114	584.0	5.840	B	117	60-140	2	20	u
Aroclor-1260 Peak # 1		597.1	5.971	B		602.9	6.029	B					
Aroclor-1260 Peak # 2		553.3	5.533	B		557.2	5.572	B					
Aroclor-1260 Peak # 3		522.5	5.225	B		526.4	5.264	B					
Aroclor-1260 Peak # 4		578.0	5.780	B		623.1	6.231	B					
Aroclor-1260 Peak # 5		606.2	6.062	B		610.2	6.102	B					
Surrogates													
TCMX (PCB)	0.5000	49.98	0.4998	B	100	51.78	0.5178	B	104	52-186			u
Decachlorobiphenyl (PCB)	0.5000	47.66	0.4766	B	95	47.57	0.4757	B	95	60-140			c+ u

ISTD (CCV gc07_081722008)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1614566	1582886	-1.96
1-bromo-2-nitrobenzene (PCB)	A	4299947	4317752	0.41

ISTD (CCV gc07_081722008)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.35	4.35	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.17	4.17	0.00

ISTD (CCV gc07_081722008)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1614566	1706206	5.68
1-bromo-2-nitrobenzene (PCB)	A	4299947	4623077	7.51

ISTD (CCV gc07_081722008)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.35	4.35	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.17	4.17	0.00

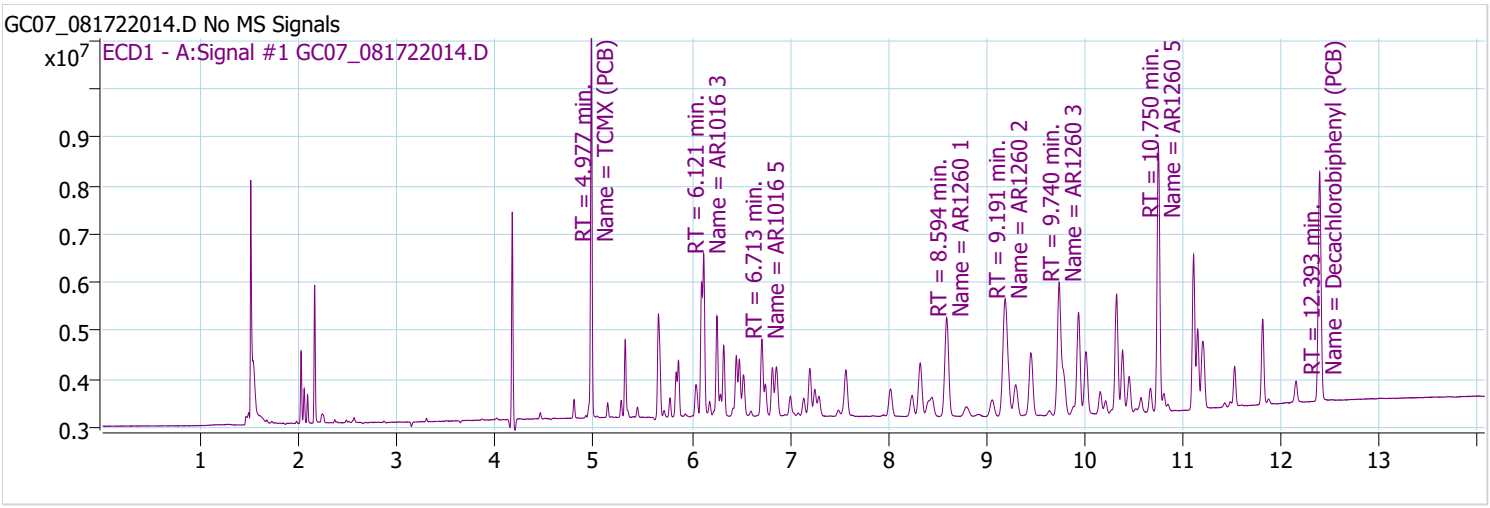
TRN 08/18/22 [Aroclor-1016 Peak # 3 A]: Separated from coeluting peak for Ch. A for spike & dup. [general version]

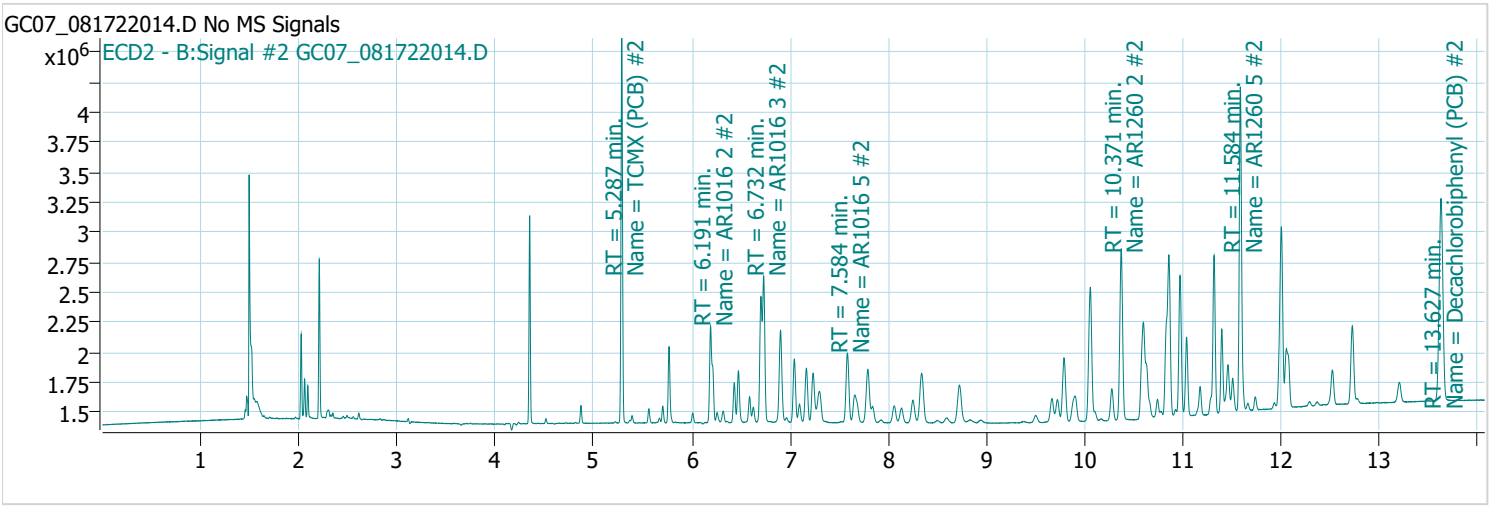
+=high bias c=CCV u=use

Analyst: TRN 08/18/22 **Reviewer:** SLL 08/19/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_081722014.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	8/17/2022 6:08:57 PM
Sample Name	QC1007020, 295181, 1	Instrument	SVOA-GC07
Vial	2	Multiplier	1.00
DA Method File	PCB_608_081622_GC07_2.m	Comment	WIPE/1DM2-20ML
Tune File	ATUNE.U	Tune Date	
Batch Name	081722PCB.batch.bin	Last Calib Update	8/18/2022 11:24:04 AM
Ref Library			



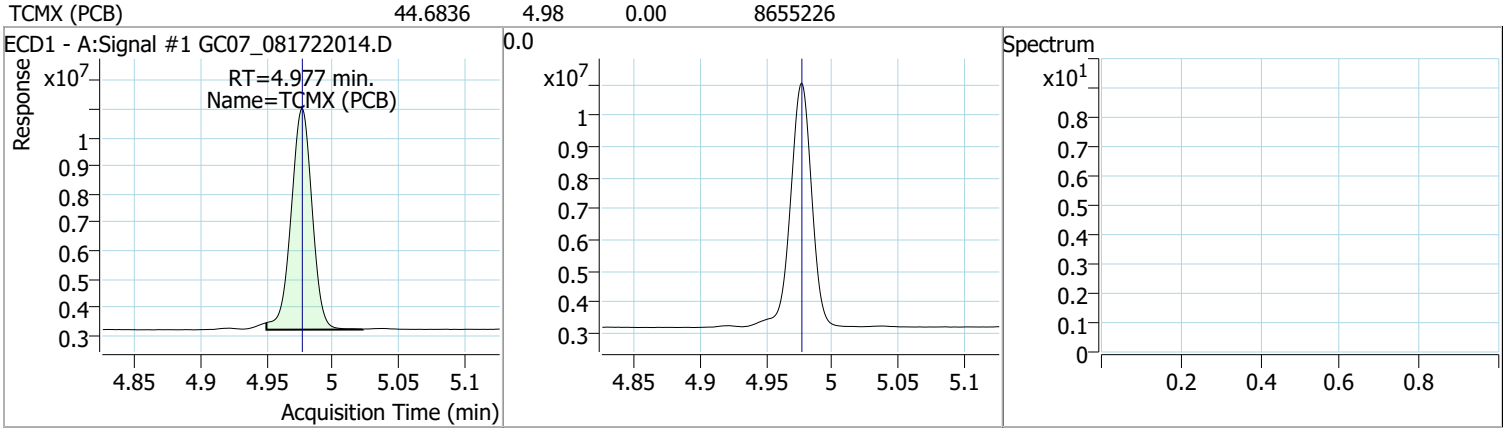


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.172	0.0	4317751.815	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.349	0.0	1582886.274	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	4.977	0.0	8655226.384	44.6836	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 223.42%		*	
S TCMX (PCB) #2	5.287	0.0	3527828.272	49.9535	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 249.77%		*	
S Decachlorobiphenyl (PCB)	12.393	0.0	9692878.746	47.7120	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 238.56%		*	
S Decachlorobiphenyl (PCB) #2	13.627	0.0	4494449.760	47.6362	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 238.18%		*	
Target Compounds							QValue

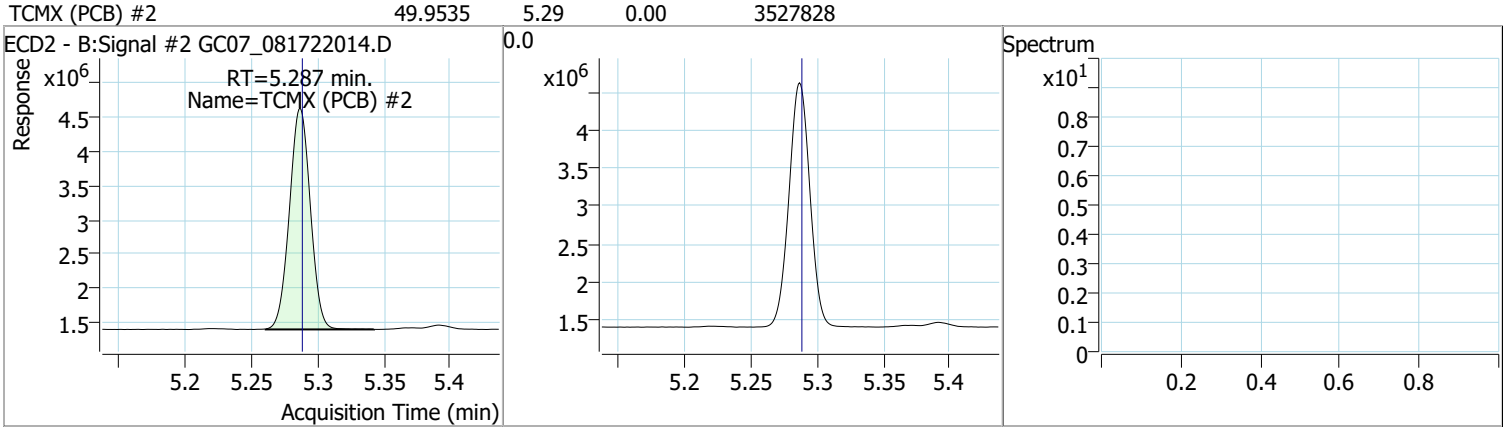
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.322	0.0	2002444.839	521.6196	ng/ml		100
T AR1016 2	5.660	0.0	3862786.173	495.8470	ng/ml		100
T AR1016 1 #2	5.768	0.0	814807.189	545.9312	ng/ml		100
T AR1016 3	6.121	0.0	4693940.780	502.5553	ng/ml	m	100
T AR1016 2 #2	6.191	0.0	1663185.259	538.1728	ng/ml		100
T AR1016 4	6.256	0.0	3023479.705	492.0743	ng/ml		100
T AR1016 5	6.713	0.0	2748042.014	508.3431	ng/ml		100
T AR1016 3 #2	6.732	0.0	1976007.628	524.5380	ng/ml		100
T AR1016 4 #2	6.903	0.0	1475880.153	553.0958	ng/ml		100
T AR1016 5 #2	7.584	0.0	1189647.707	561.3477	ng/ml		100
T AR1260 1	8.594	0.0	5743174.479	525.2724	ng/ml		100
T AR1260 2	9.191	0.0	8504927.646	523.9158	ng/ml		100
T AR1260 3	9.740	0.0	7515909.120	429.8378	ng/ml		100
T AR1260 1 #2	10.058	0.0	2563036.521	596.7364	ng/ml		100
T AR1260 4	10.325	0.0	4969515.860	605.0858	ng/ml		100
T AR1260 2 #2	10.371	0.0	2856315.420	552.9894	ng/ml		100
T AR1260 5	10.750	0.0	10583306.200	604.7179	ng/ml		100
T AR1260 3 #2	10.857	0.0	3563916.470	522.1745	ng/ml		100
T AR1260 4 #2	11.318	0.0	2156550.928	577.6412	ng/ml		100
T AR1260 5 #2	11.584	0.0	4467366.000	606.0542	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

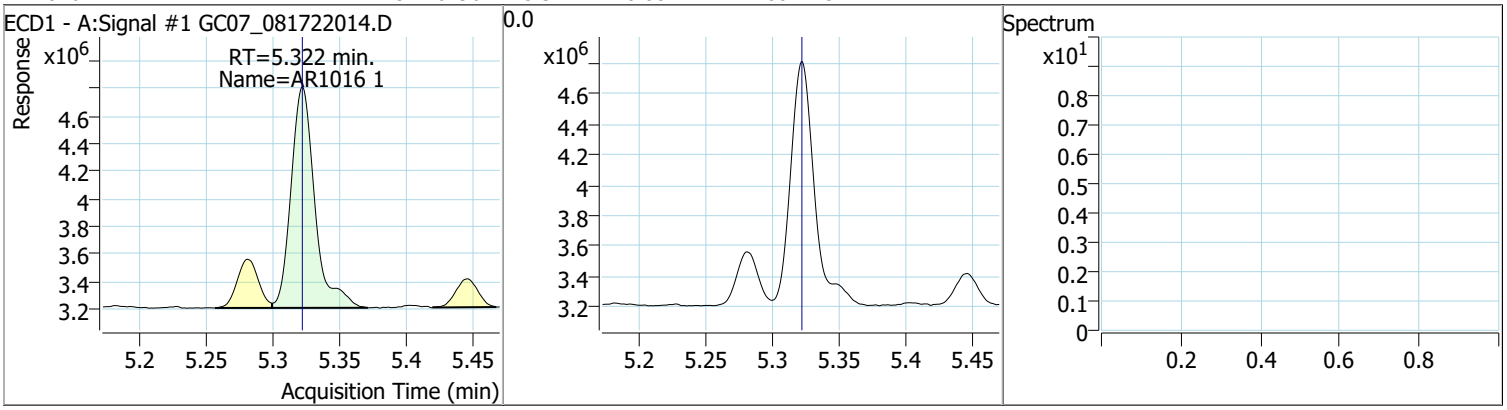
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	44.6836	4.98	0.00	8655226				



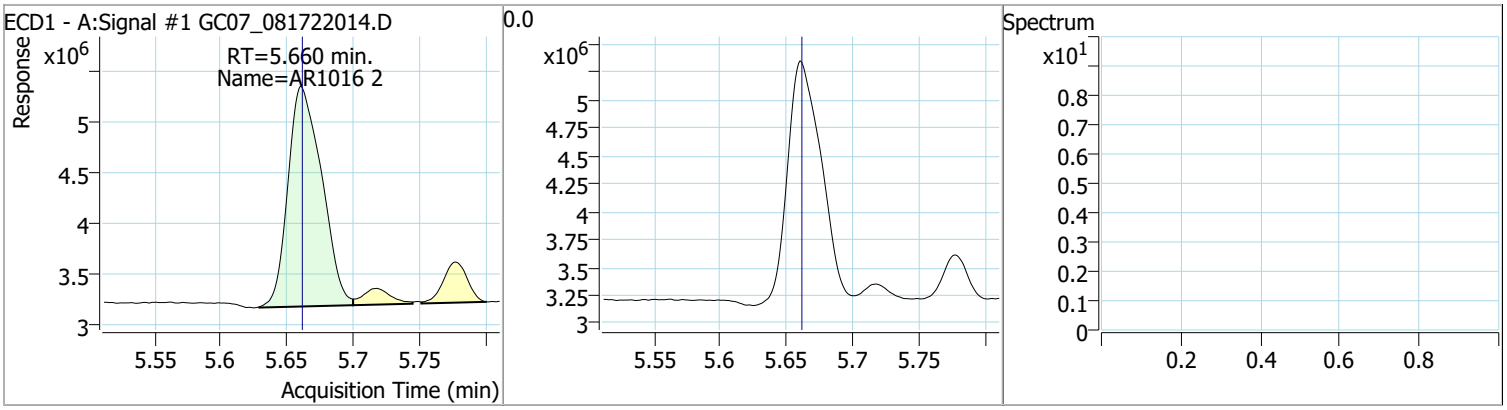
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	49.9535	5.29	0.00	3527828				



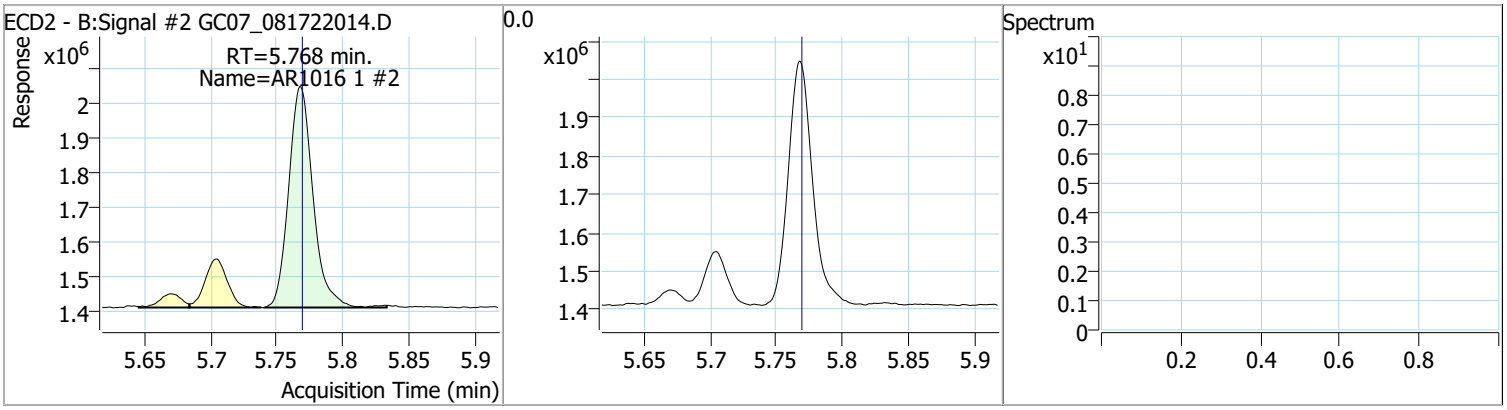
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	521.6196	5.32	0.00	2002445				



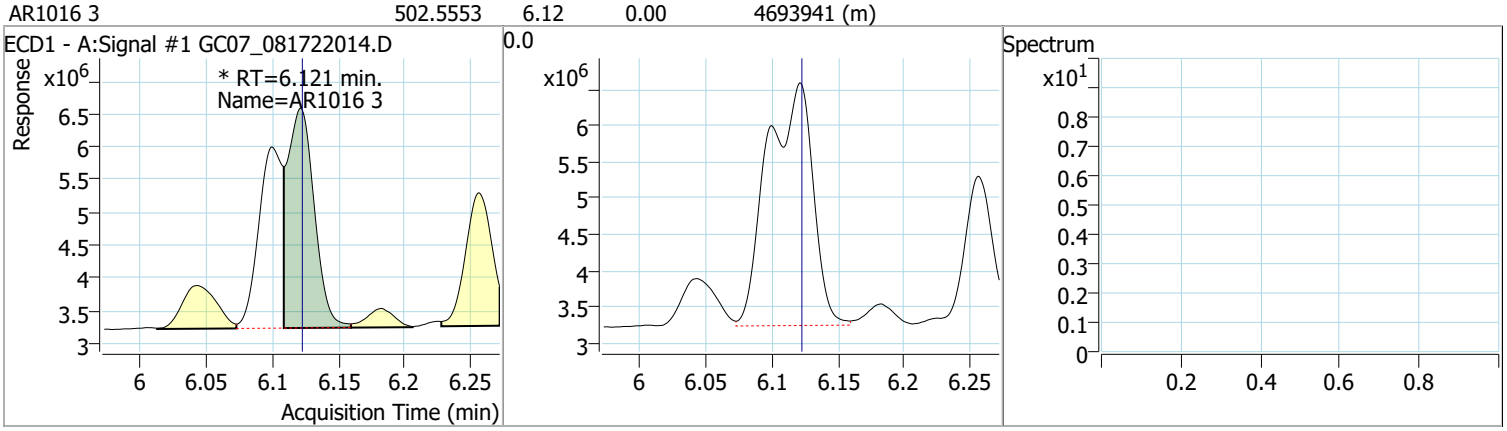
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	495.8470	5.66	0.00	3862786				



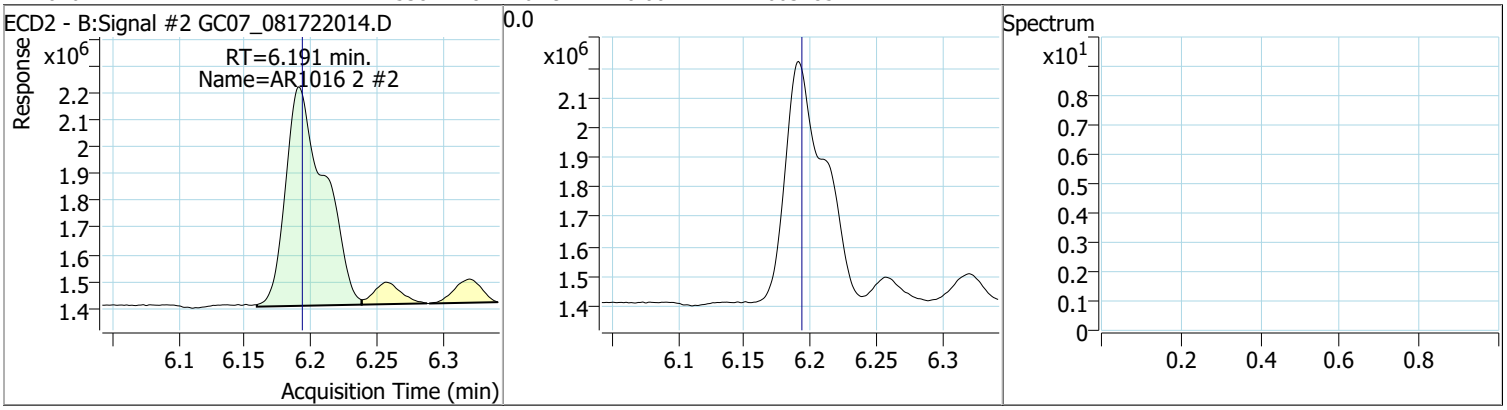
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	545.9312	5.77	0.00	814807				



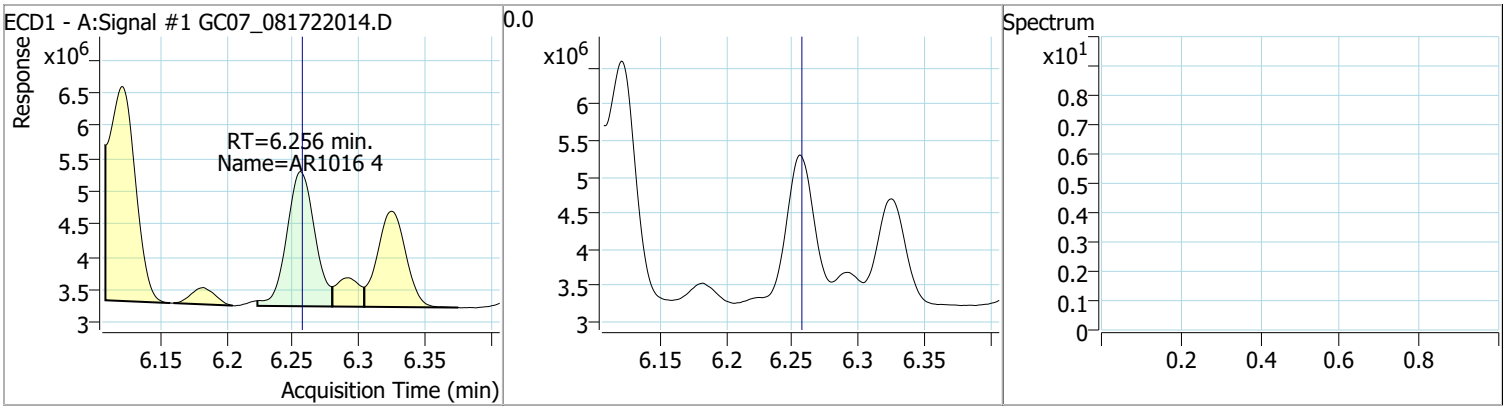
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	502.5553	6.12	0.00	4693941 (m)				



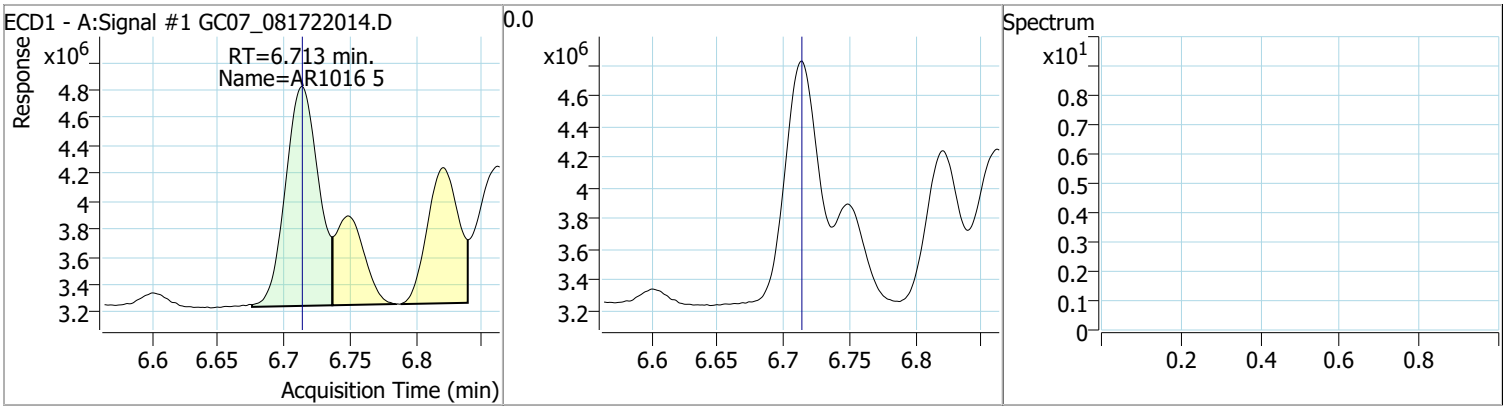
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	538.1728	6.19	0.00	1663185				



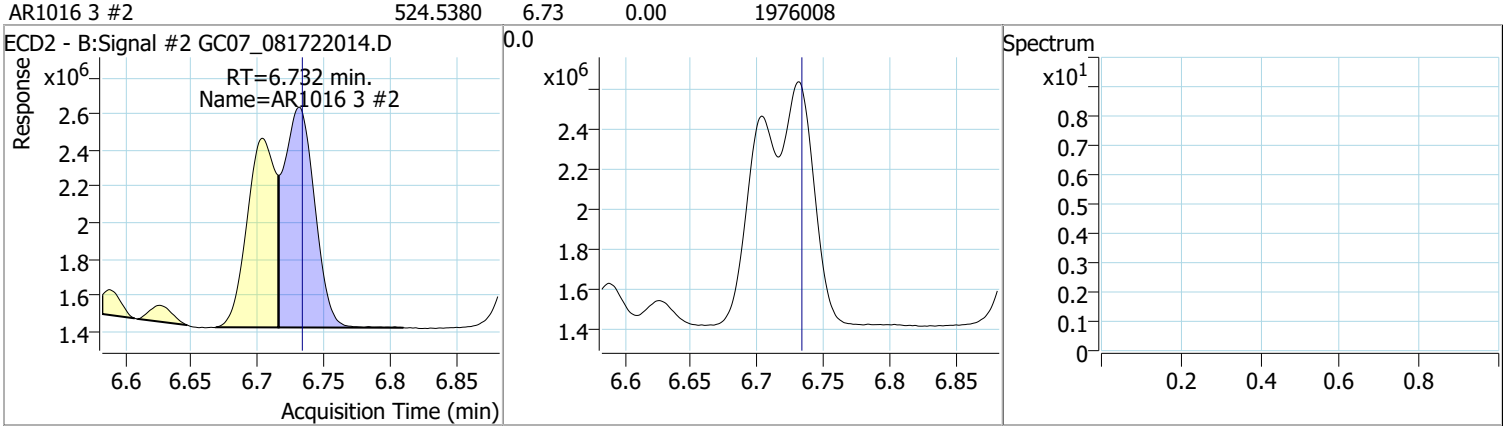
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	492.0743	6.26	0.00	3023480				



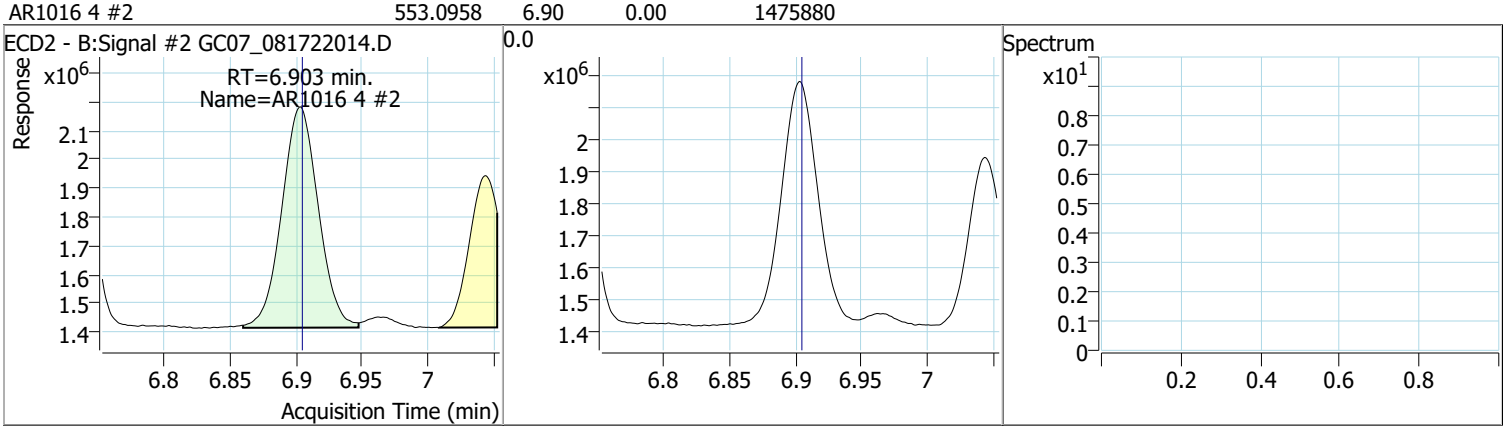
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	508.3431	6.71	0.00	2748042				



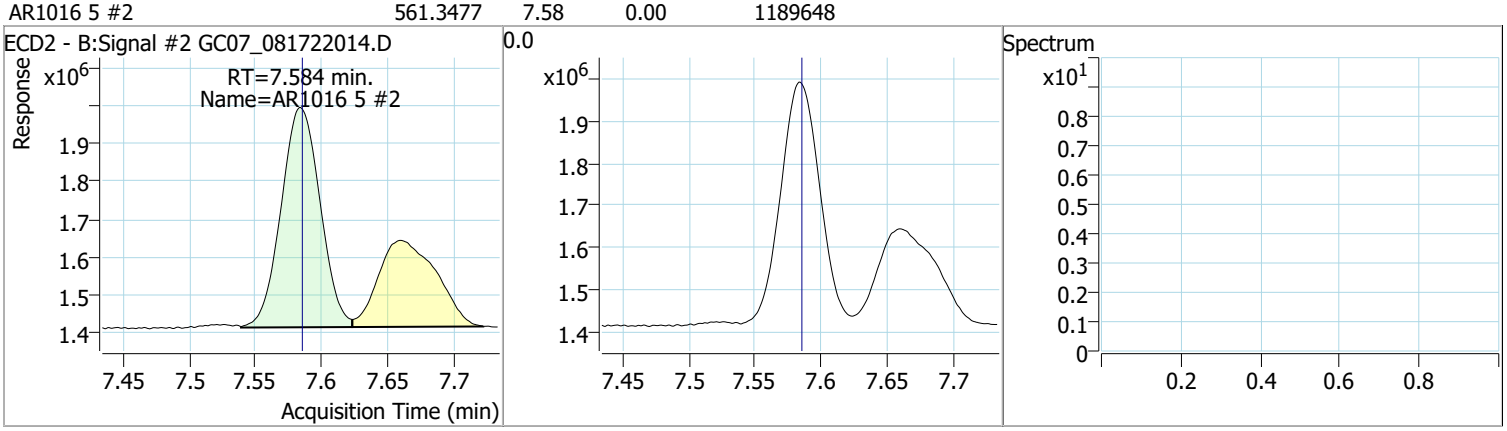
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	524.5380	6.73	0.00	1976008				



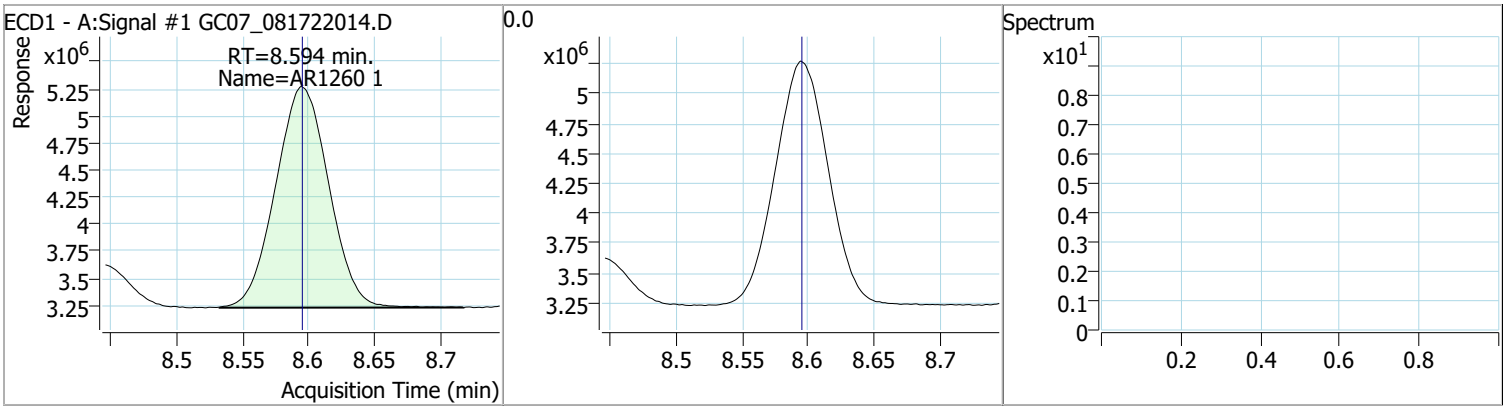
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	553.0958	6.90	0.00	1475880				



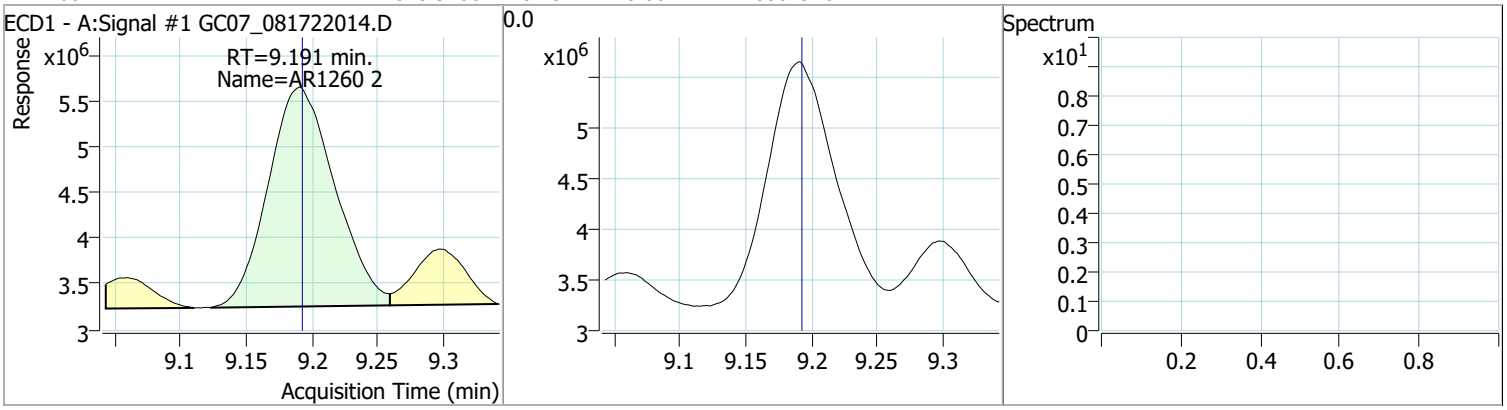
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	561.3477	7.58	0.00	1189648				



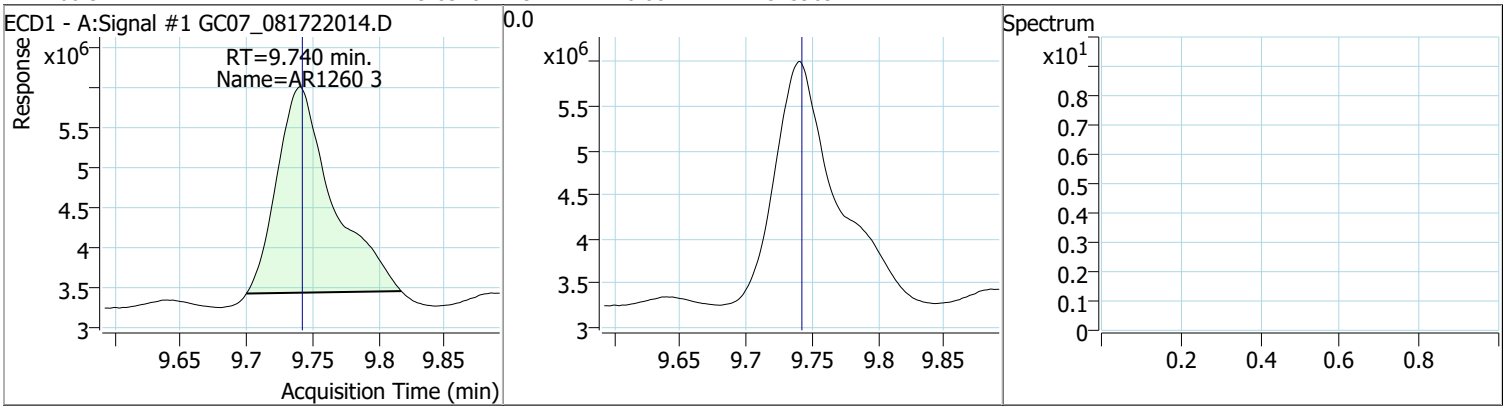
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	525.2724	8.59	0.00	5743174				



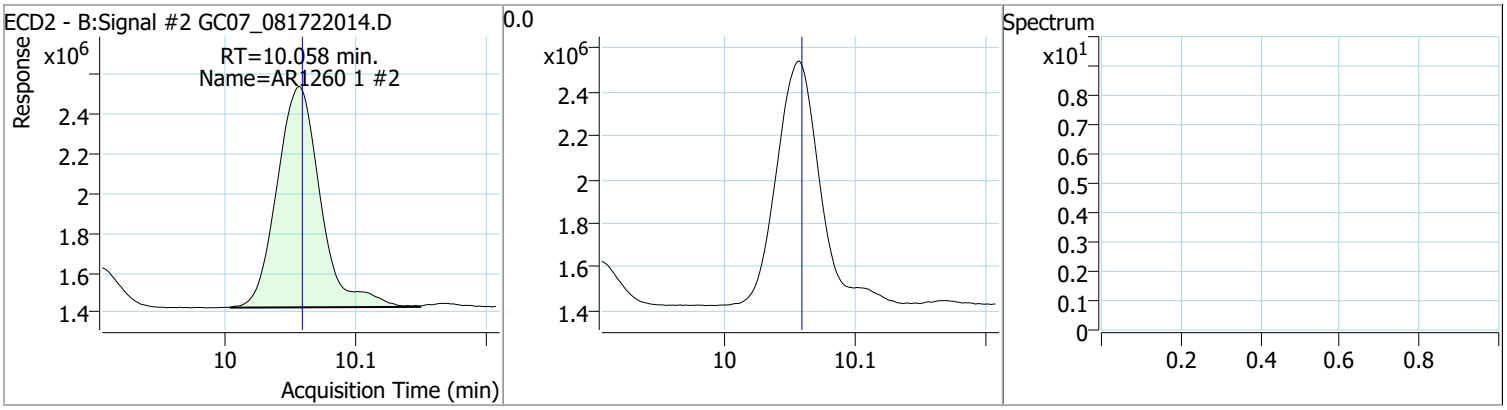
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	523.9158	9.19	0.00	8504928				



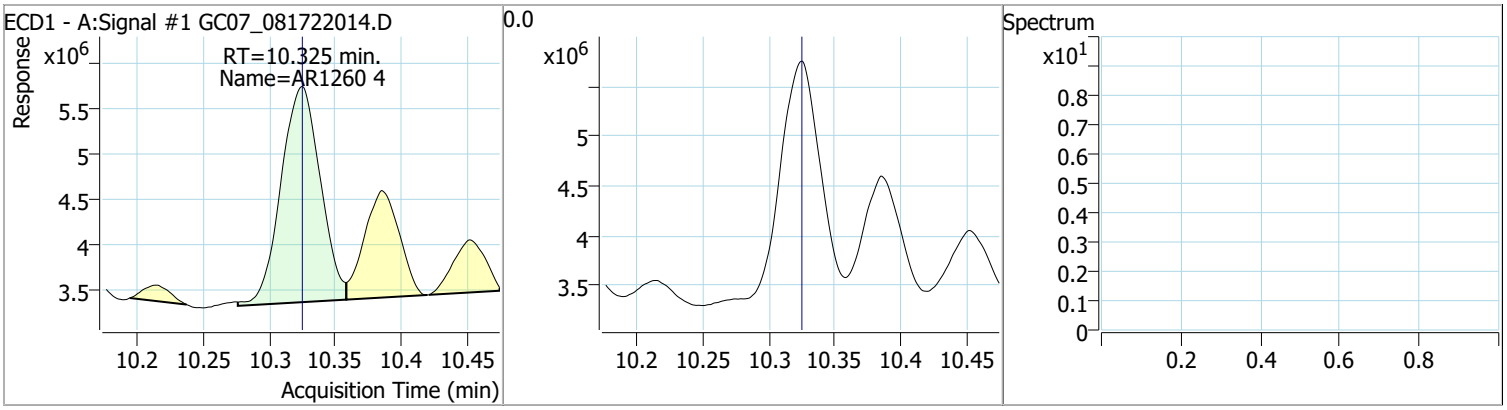
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	429.8378	9.74	0.00	7515909				



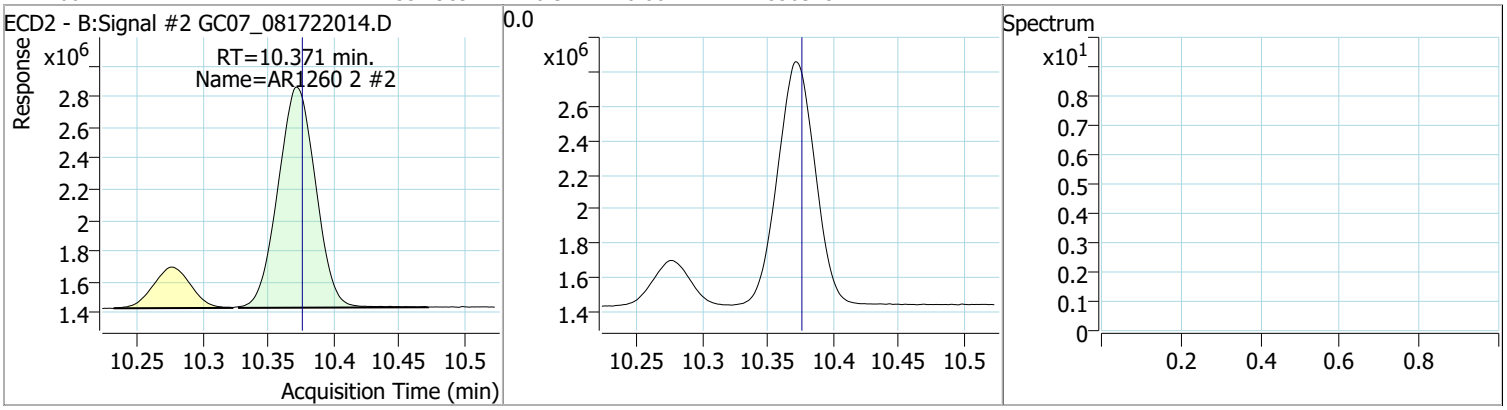
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	596.7364	10.06	0.00	2563037				



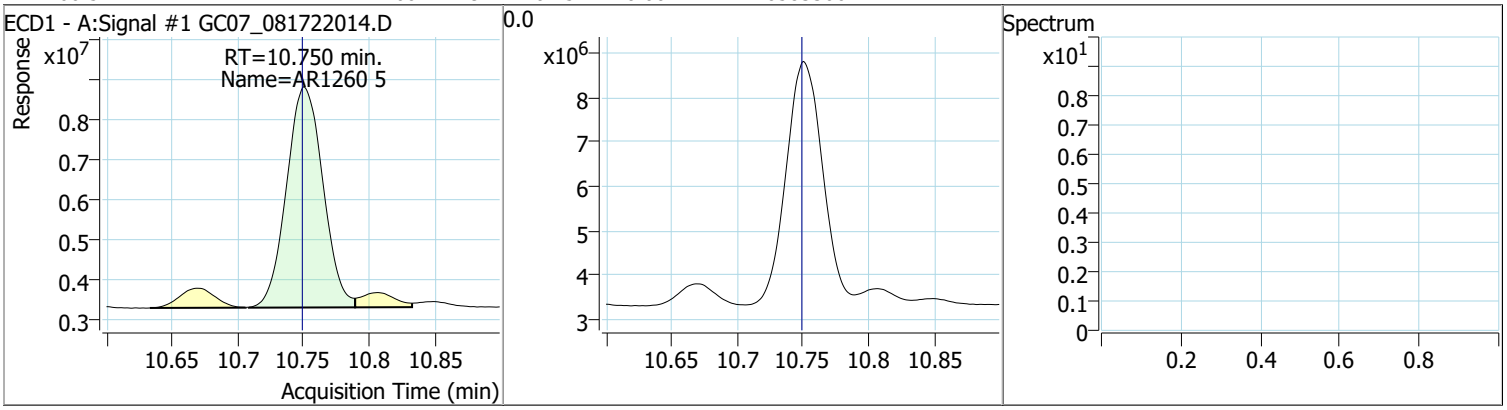
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	605.0858	10.33	0.00	4969516				



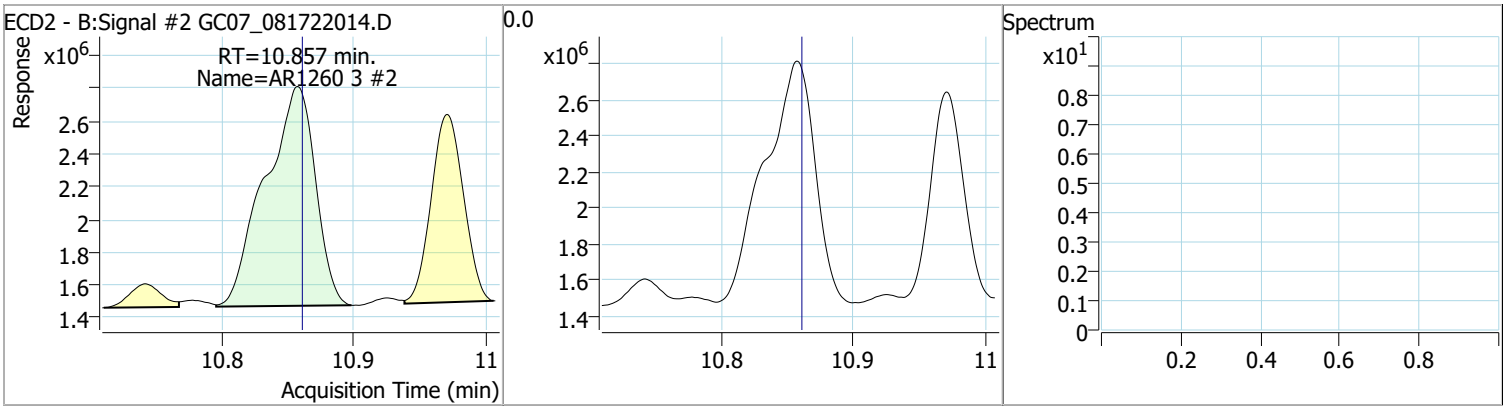
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	552.9894	10.37	0.00	2856315				



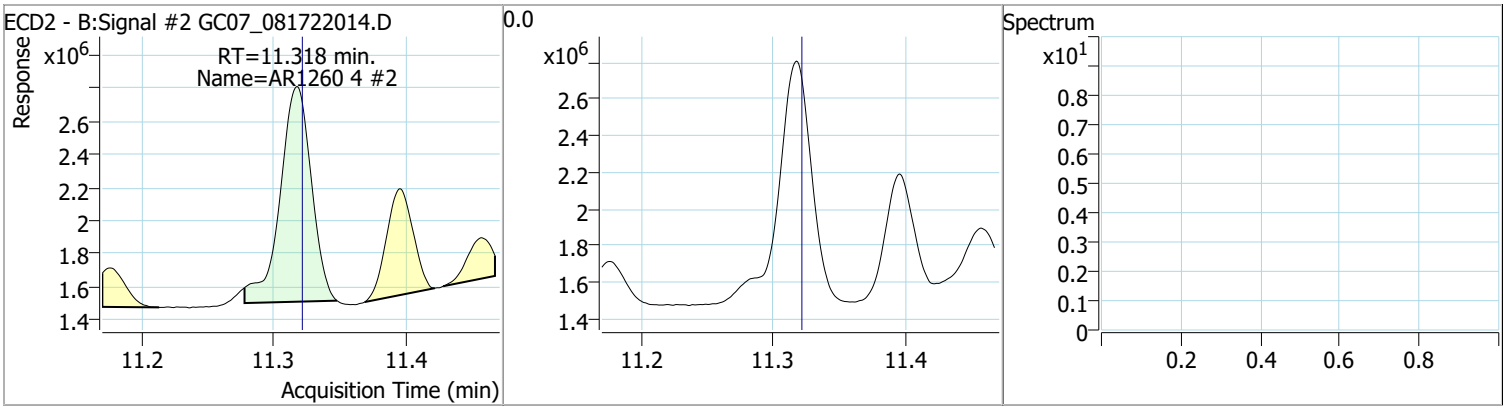
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	604.7179	10.75	0.00	10583306				



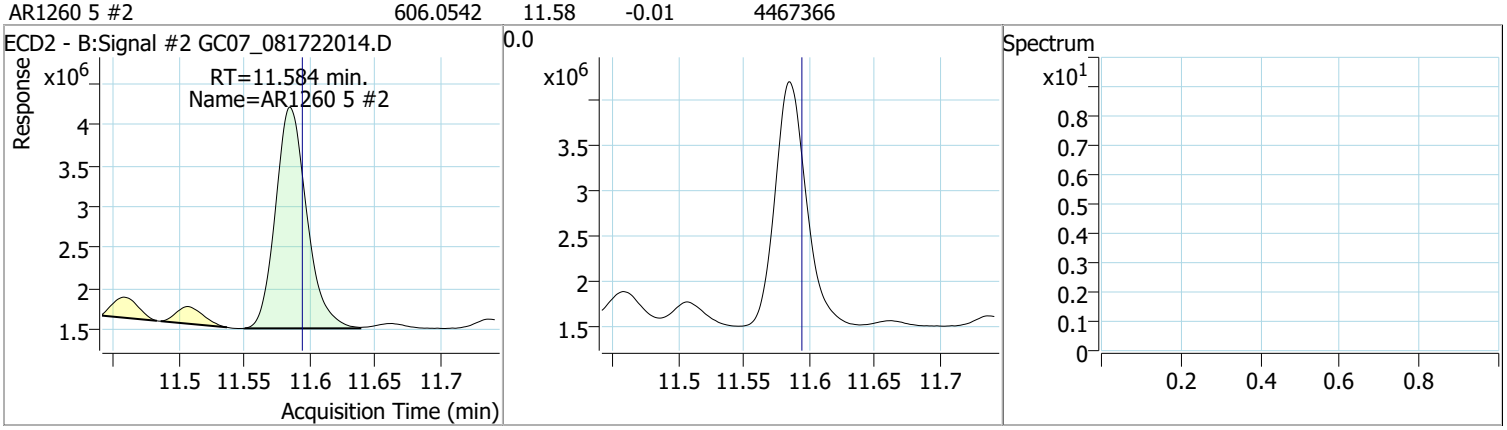
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	522.1745	10.86	0.00	3563916				



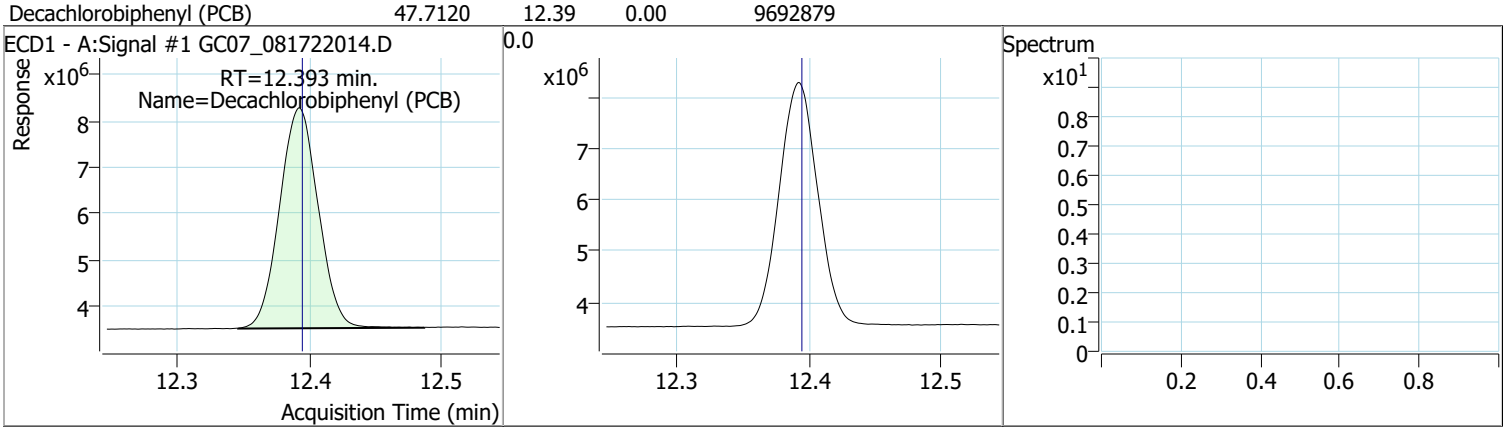
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	577.6412	11.32	0.00	2156551				



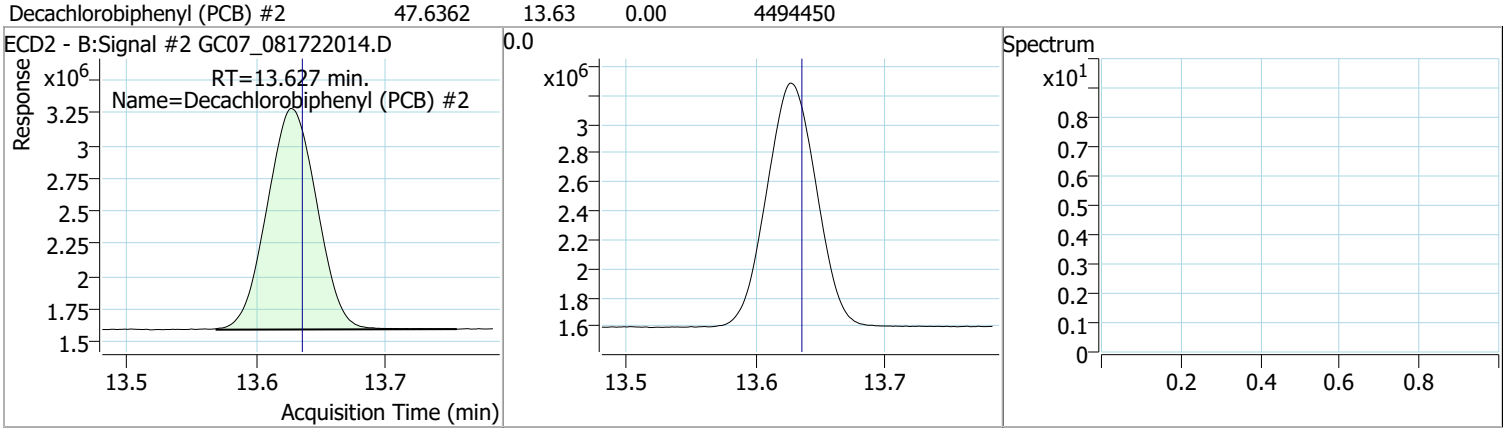
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	606.0542	11.58	-0.01	4467366				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	47.7120	12.39	0.00	9692879				

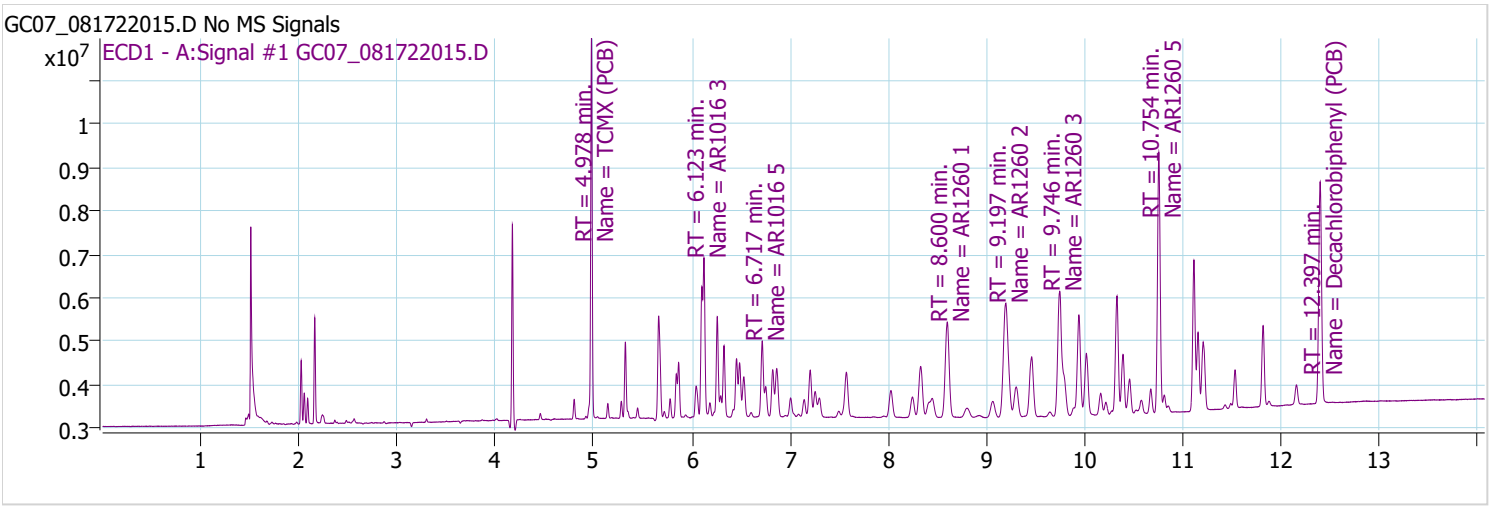


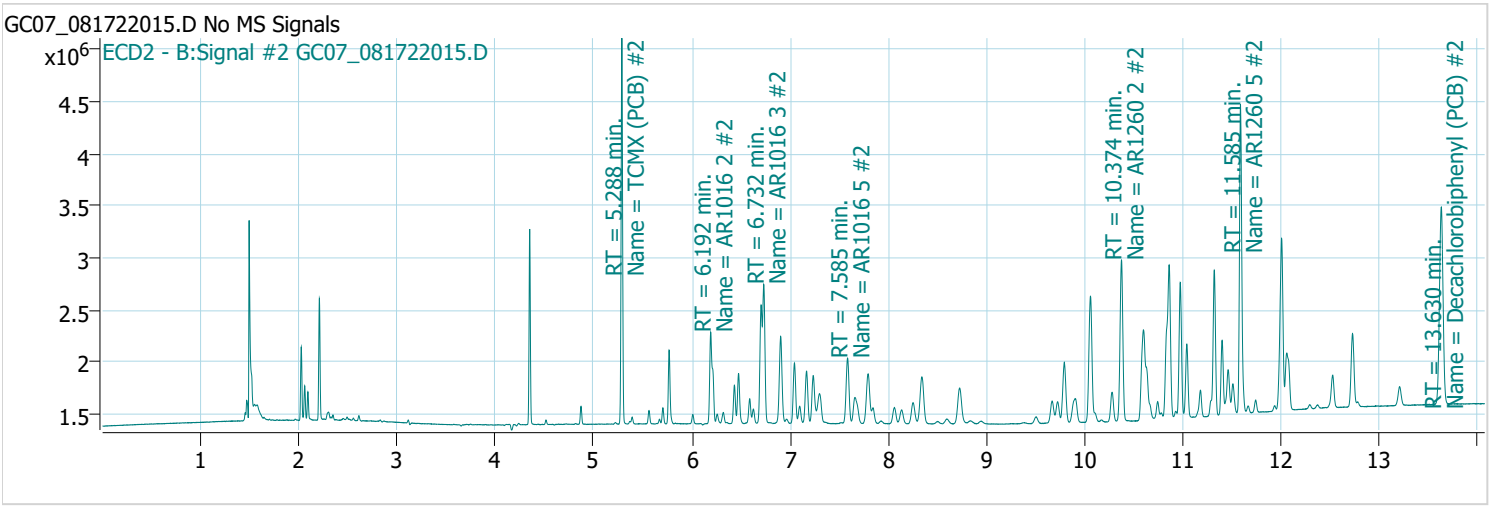
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	47.6362	13.63	0.00	4494450				



Quantitation Results Report (Not Reviewed)

Data File	GC07_081722015.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	8/17/2022 6:26:29 PM
Sample Name	QC1007021, 295181, 1	Instrument	SVOA-GC07
Vial	3	Multiplier	1.00
DA Method File	PCB_608_081622_GC07_2.m	Comment	WIPE/1DM2-20ML
Tune File	ATUNE.U	Tune Date	
Batch Name	081722PCB.batch.bin	Last Calib Update	8/18/2022 11:24:04 AM
Ref Library			



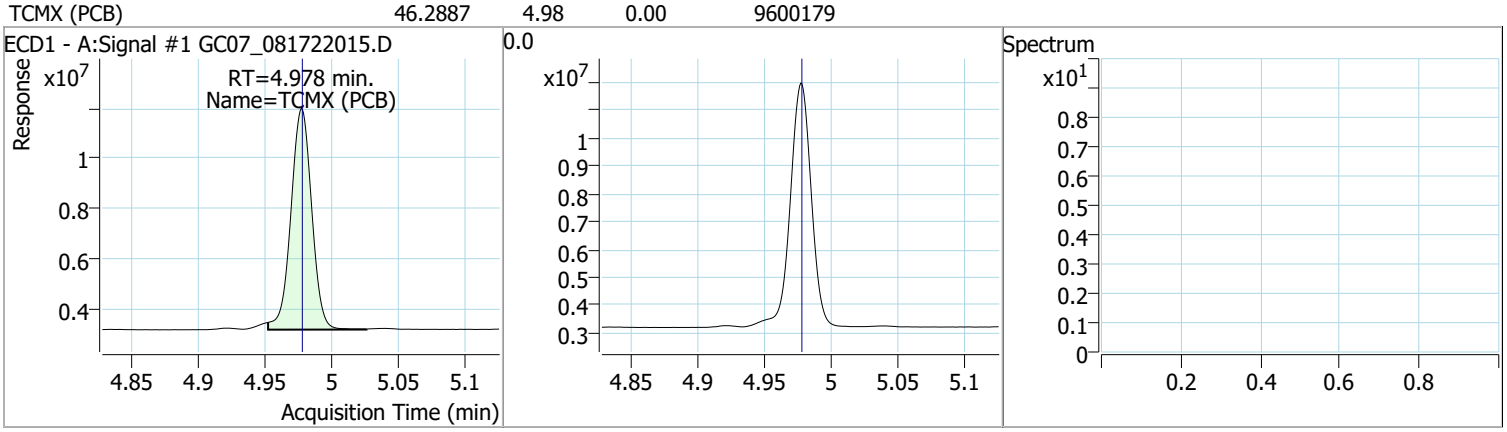


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.173	0.0	4623076.993	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.349	0.0	1706206.014	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	4.978	0.0	9600178.850	46.2887	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 231.44%		*	
S TCMX (PCB) #2	5.288	0.0	3939208.619	51.7470	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 258.74%		*	
S Decachlorobiphenyl (PCB)	12.397	0.0	10491815.979	48.2339	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 241.17%		*	
S Decachlorobiphenyl (PCB) #2	13.630	0.0	4835566.892	47.5474	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 237.74%		*	
Target Compounds							QValue

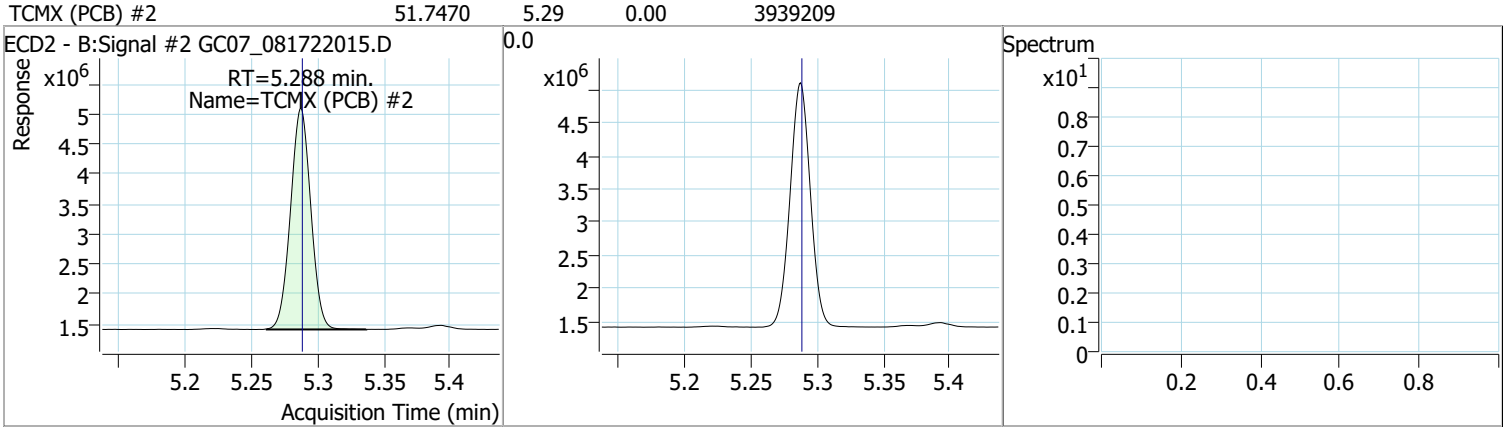
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.323	0.0	2204779.004	536.3953	ng/ml		100
T AR1016 2	5.662	0.0	4245763.181	509.0135	ng/ml		100
T AR1016 1 #2	5.768	0.0	895439.646	556.5929	ng/ml		100
T AR1016 3	6.123	0.0	5031083.474	503.0768	ng/ml	m	100
T AR1016 2 #2	6.192	0.0	1828204.712	548.8127	ng/ml		100
T AR1016 4	6.258	0.0	3273696.527	497.6094	ng/ml		100
T AR1016 5	6.717	0.0	2979246.391	514.7147	ng/ml		100
T AR1016 3 #2	6.732	0.0	2190999.759	539.5714	ng/ml		100
T AR1016 4 #2	6.904	0.0	1615848.241	561.7824	ng/ml		100
T AR1016 5 #2	7.585	0.0	1307717.342	572.4607	ng/ml		100
T AR1260 1	8.600	0.0	6215283.975	530.9090	ng/ml		100
T AR1260 2	9.197	0.0	9150317.440	526.4457	ng/ml		100
T AR1260 3	9.746	0.0	9659870.070	515.9658	ng/ml		100
T AR1260 1 #2	10.058	0.0	2789922.841	602.6125	ng/ml		100
T AR1260 4	10.328	0.0	5397711.648	613.8172	ng/ml		100
T AR1260 2 #2	10.374	0.0	3100872.953	556.9457	ng/ml		100
T AR1260 5	10.754	0.0	11473370.189	612.2785	ng/ml		100
T AR1260 3 #2	10.859	0.0	3870414.511	526.0946	ng/ml		100
T AR1260 4 #2	11.318	0.0	2506078.058	622.7465	ng/ml		100
T AR1260 5 #2	11.585	0.0	4846789.843	610.0036	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

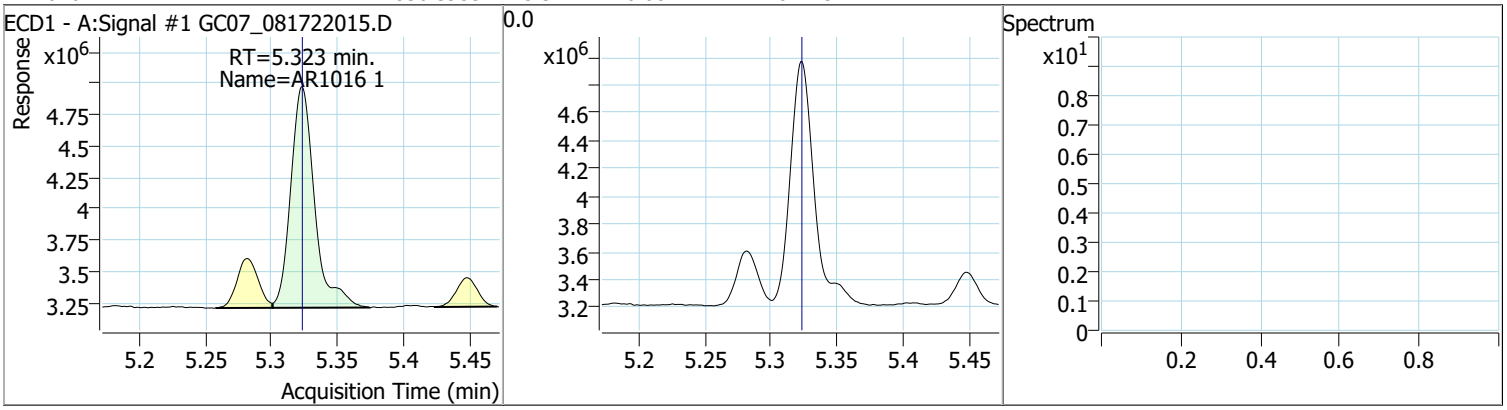
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	46.2887	4.98	0.00	9600179				



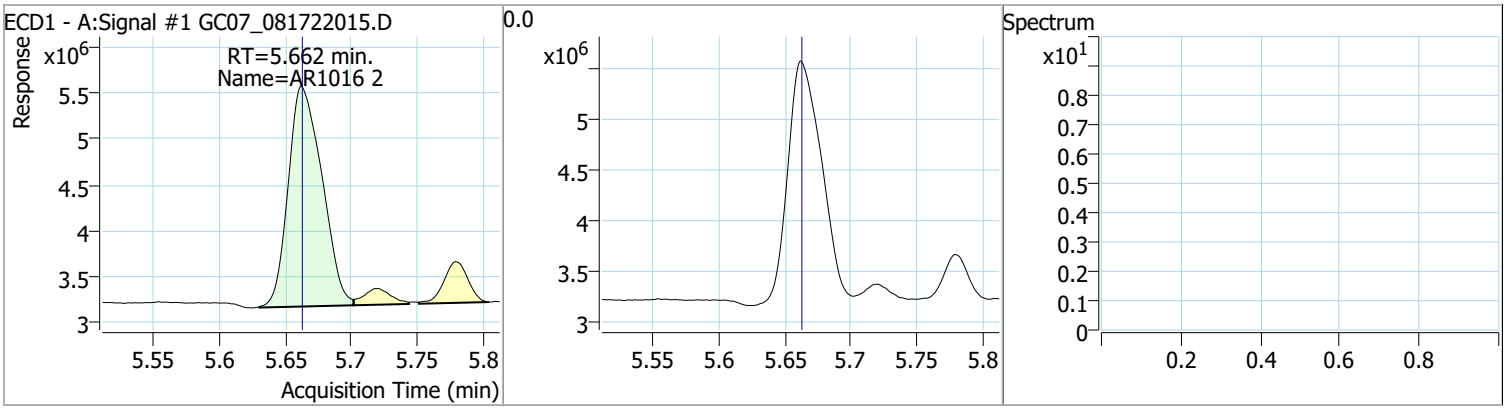
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	51.7470	5.29	0.00	3939209				



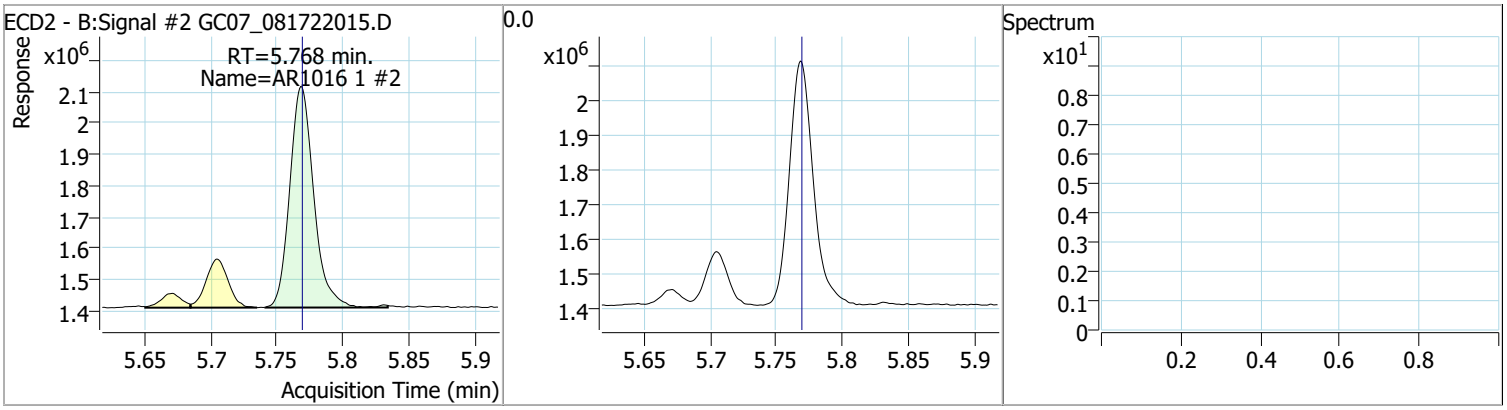
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	536.3953	5.32	0.00	2204779				



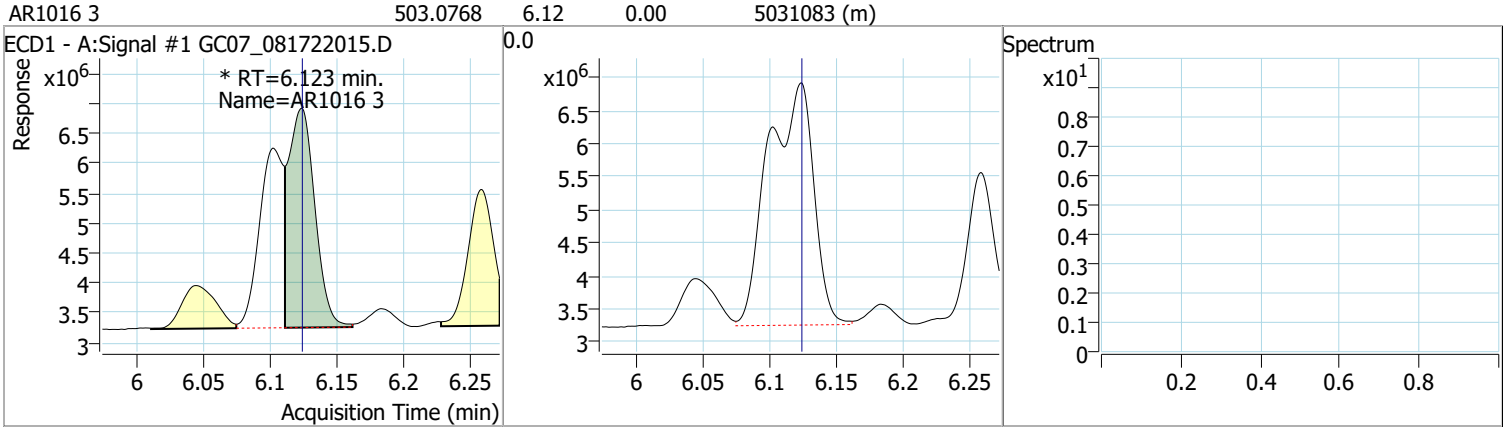
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	509.0135	5.66	0.00	4245763				



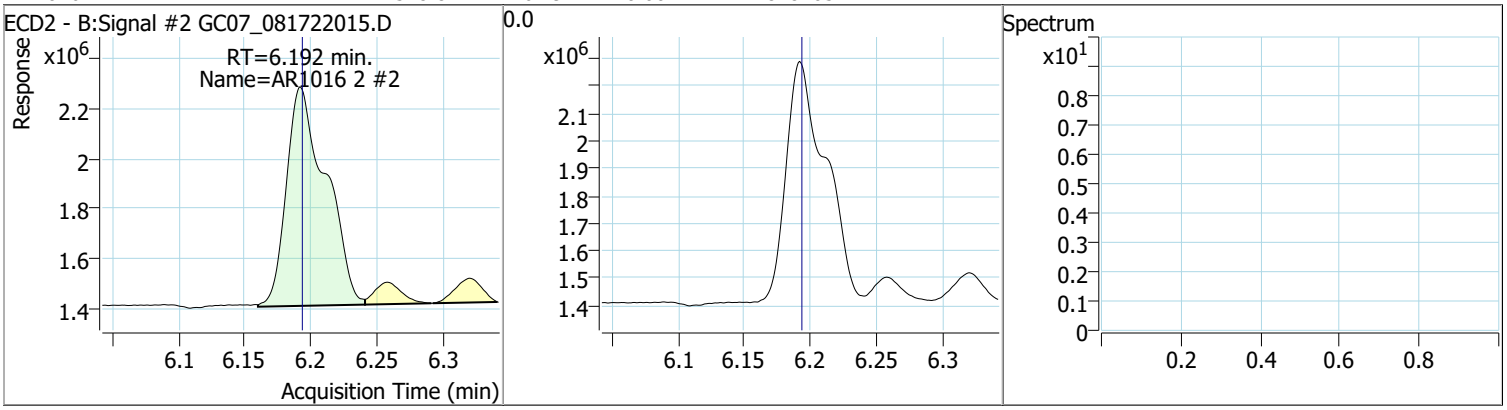
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	556.5929	5.77	0.00	895440				



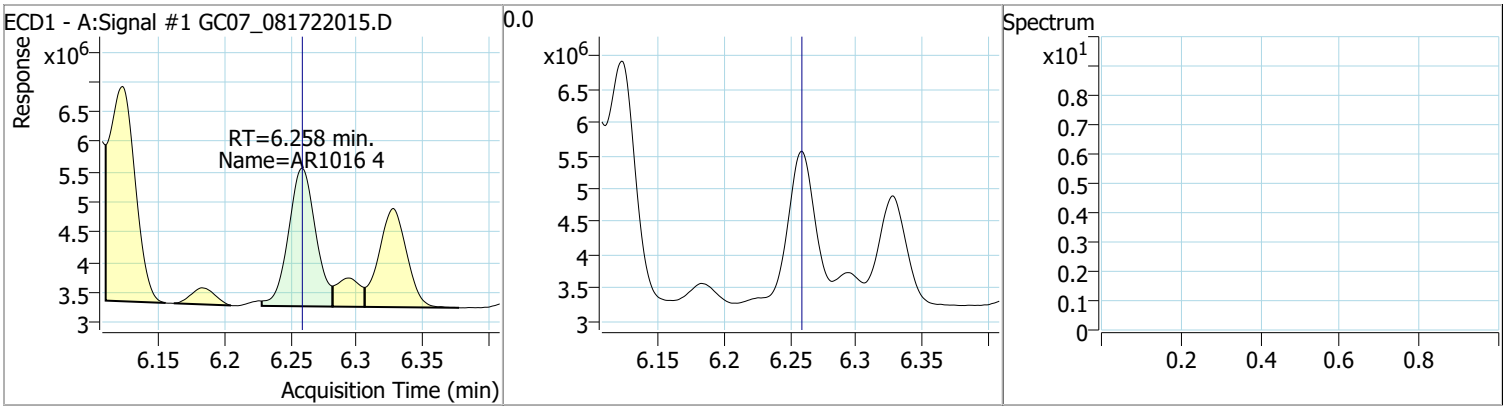
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	503.0768	6.12	0.00	5031083 (m)				



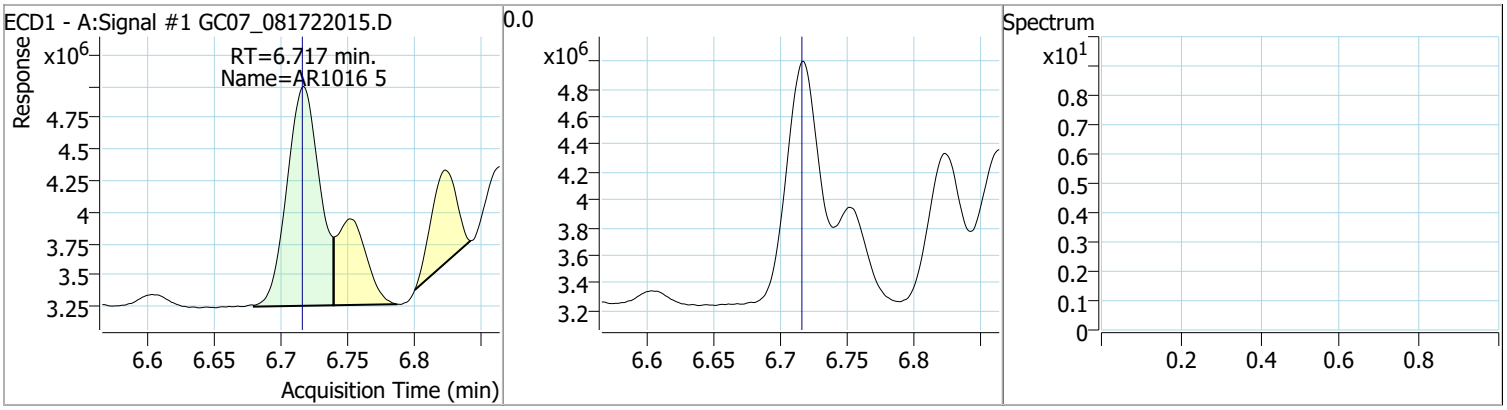
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	548.8127	6.19	0.00	1828205				



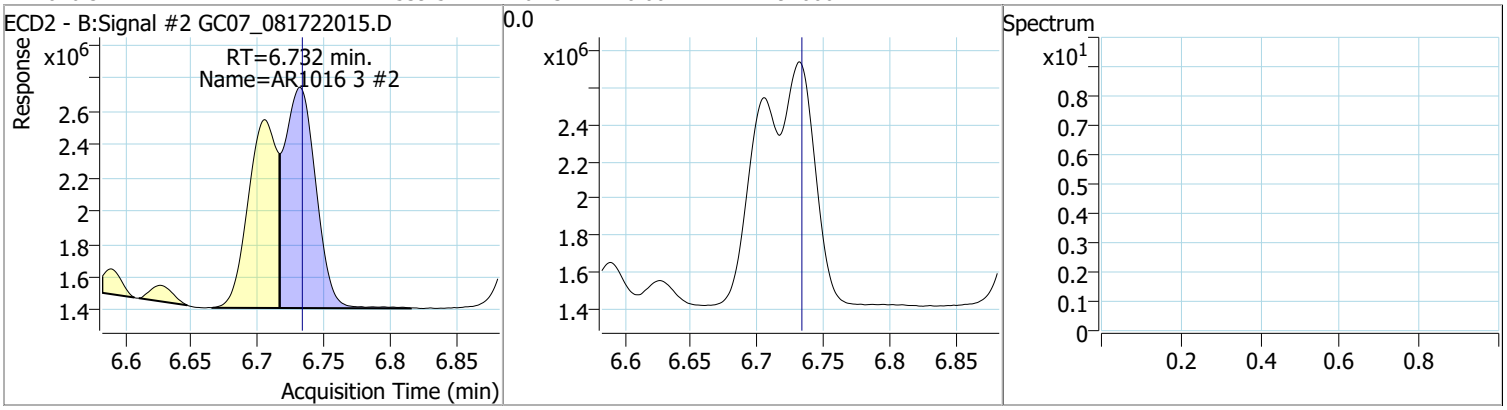
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	497.6094	6.26	0.00	3273697				



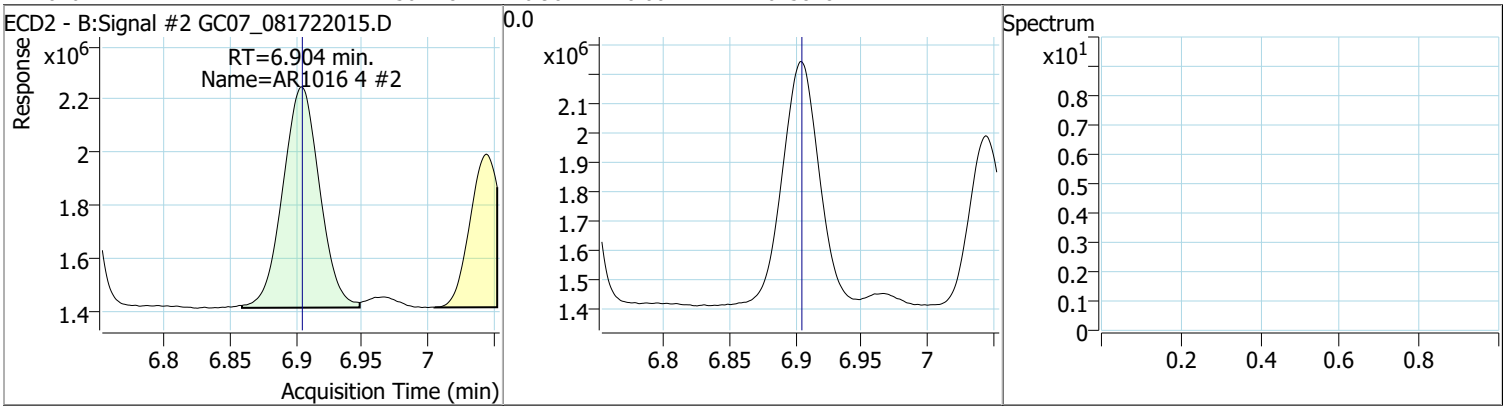
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	514.7147	6.72	0.00	2979246				



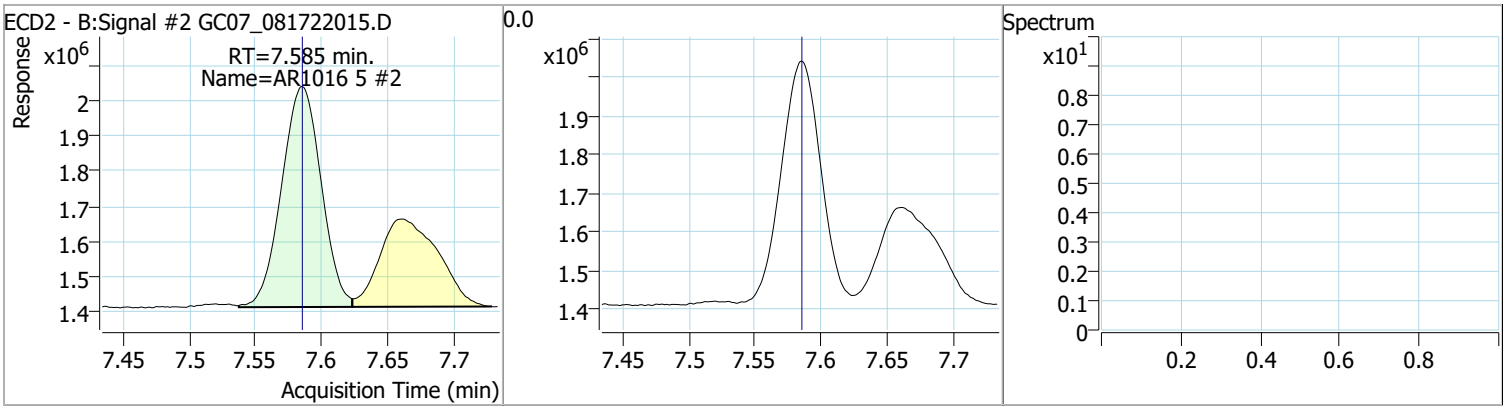
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	539.5714	6.73	0.00	2191000				



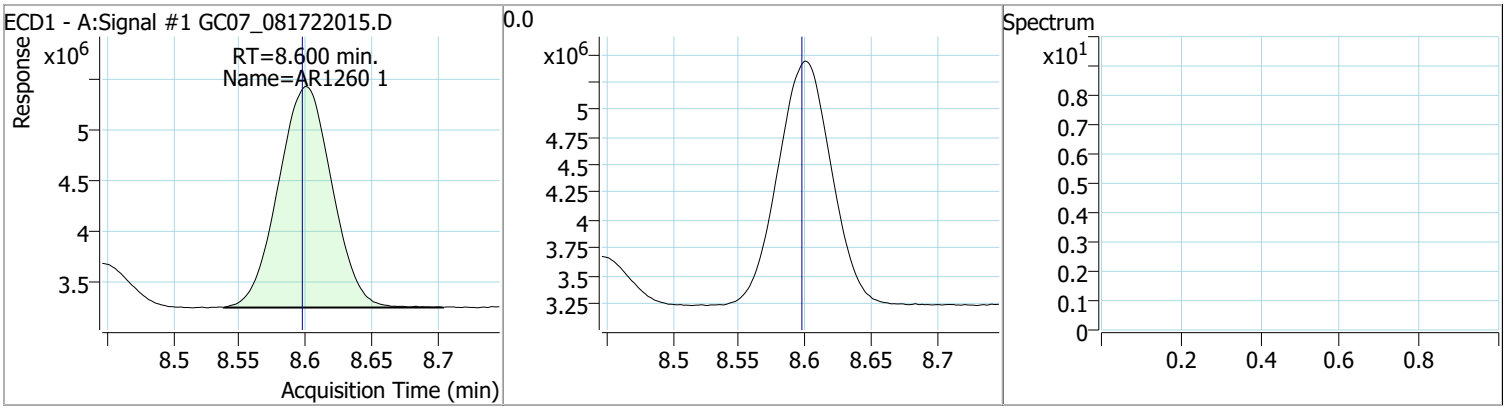
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	561.7824	6.90	0.00	1615848				



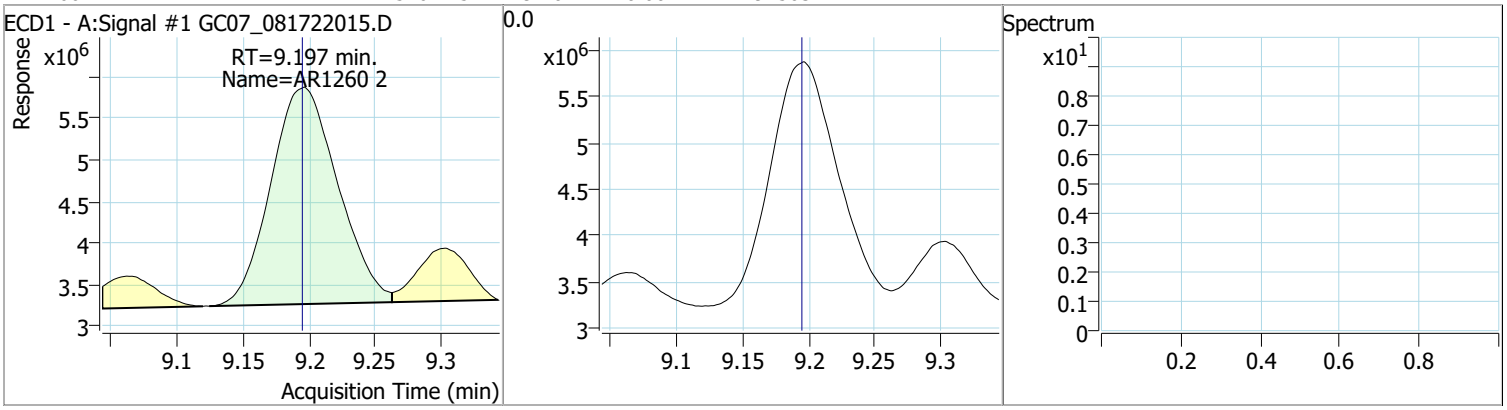
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	572.4607	7.59	0.00	1307717				



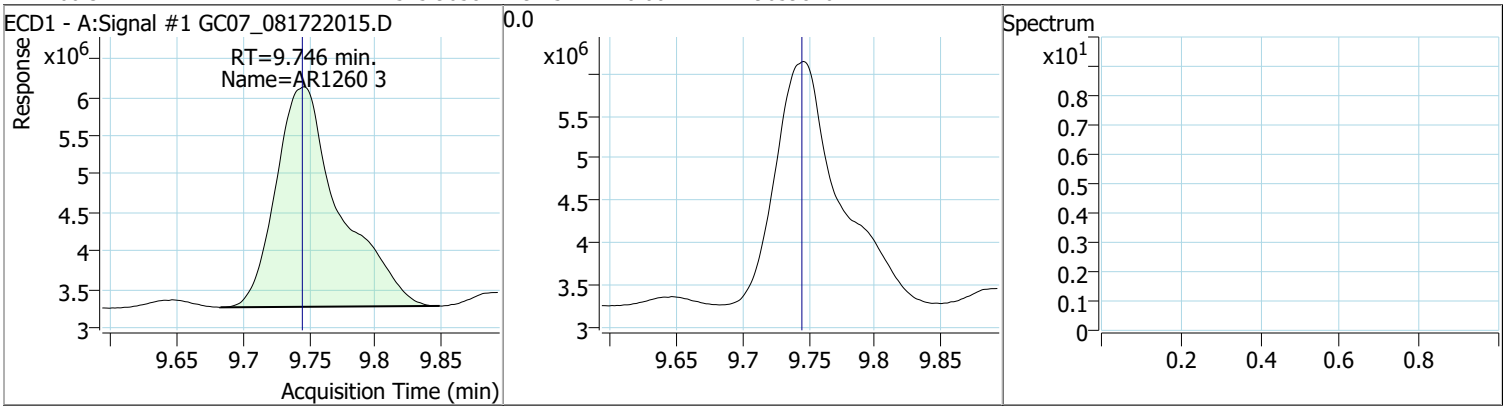
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	530.9090	8.60	0.00	6215284				



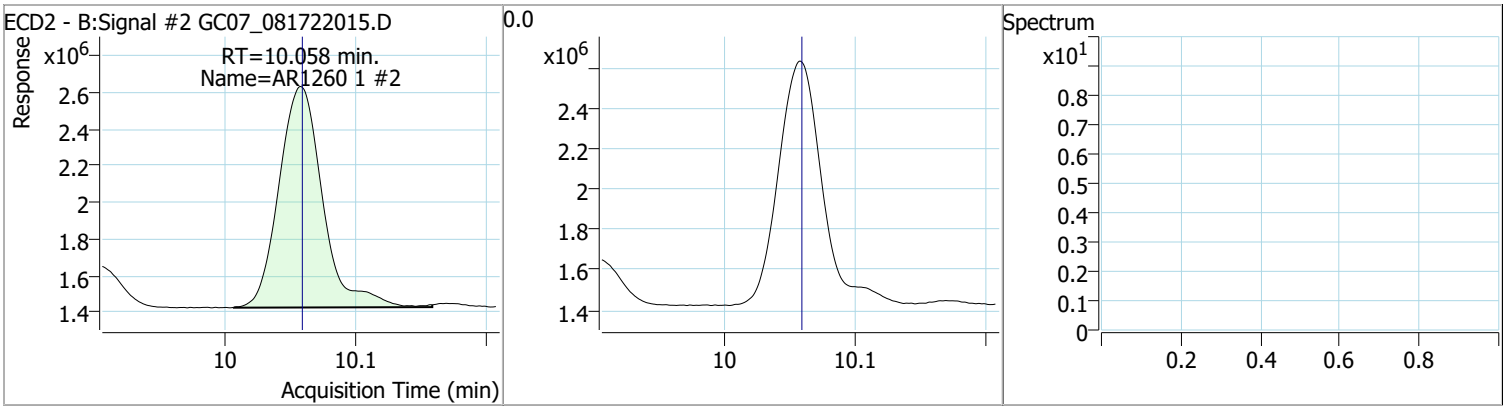
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	526.4457	9.20	0.00	9150317				



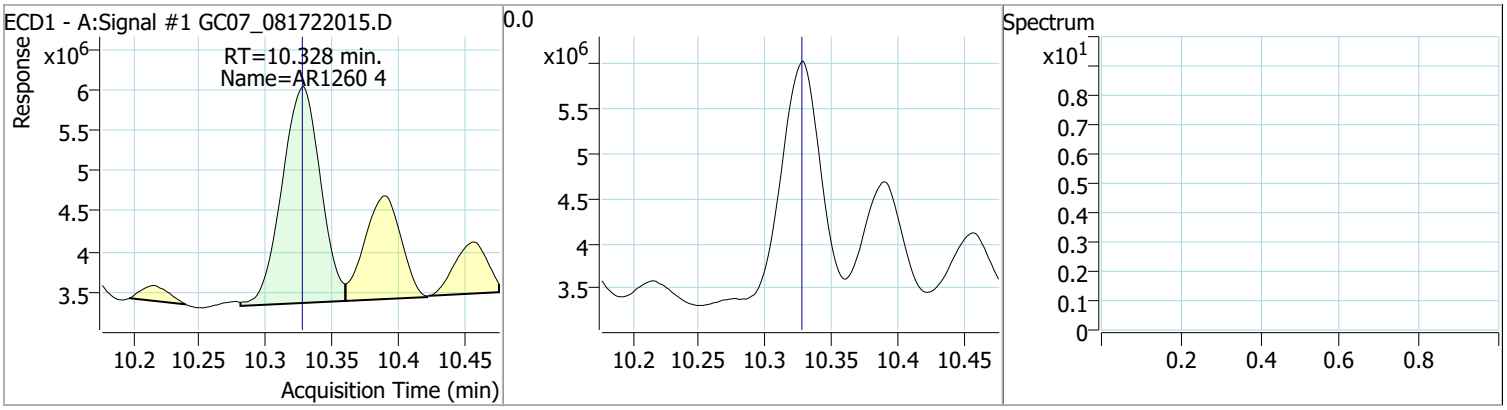
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	515.9658	9.75	0.00	9659870				



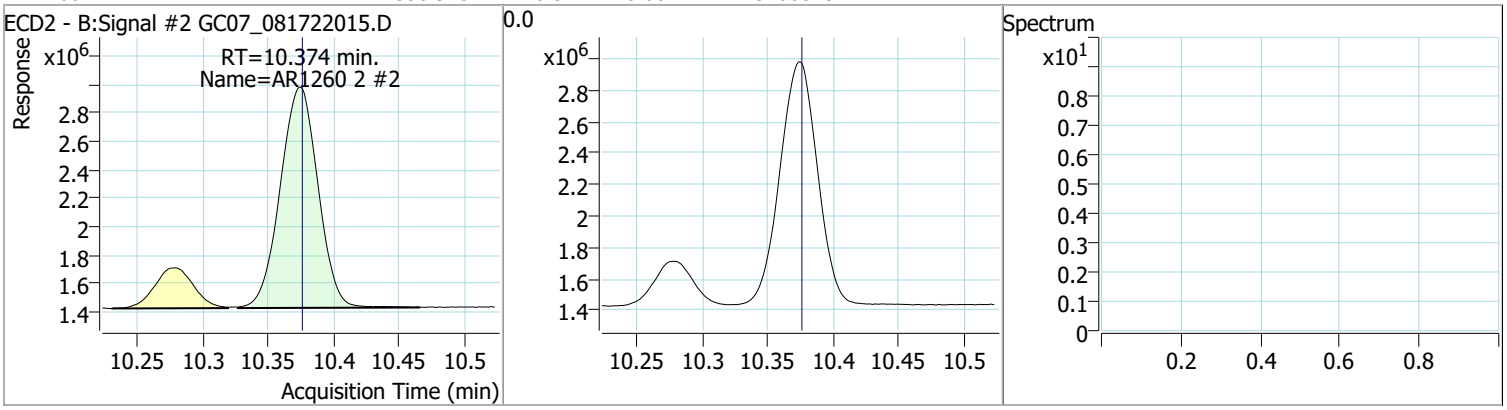
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	602.6125	10.06	0.00	2789923				



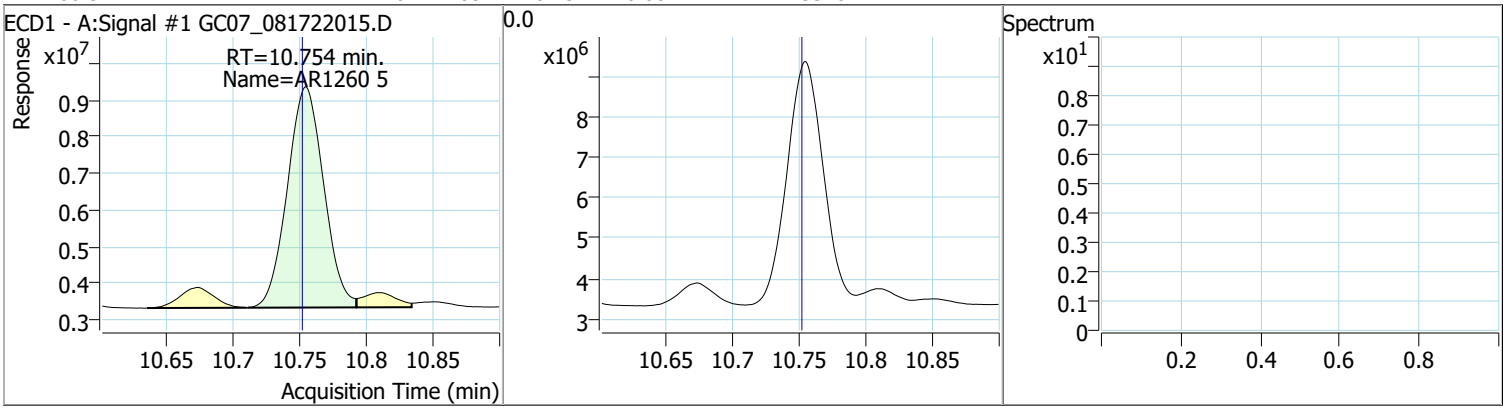
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	613.8172	10.33	0.00	5397712				



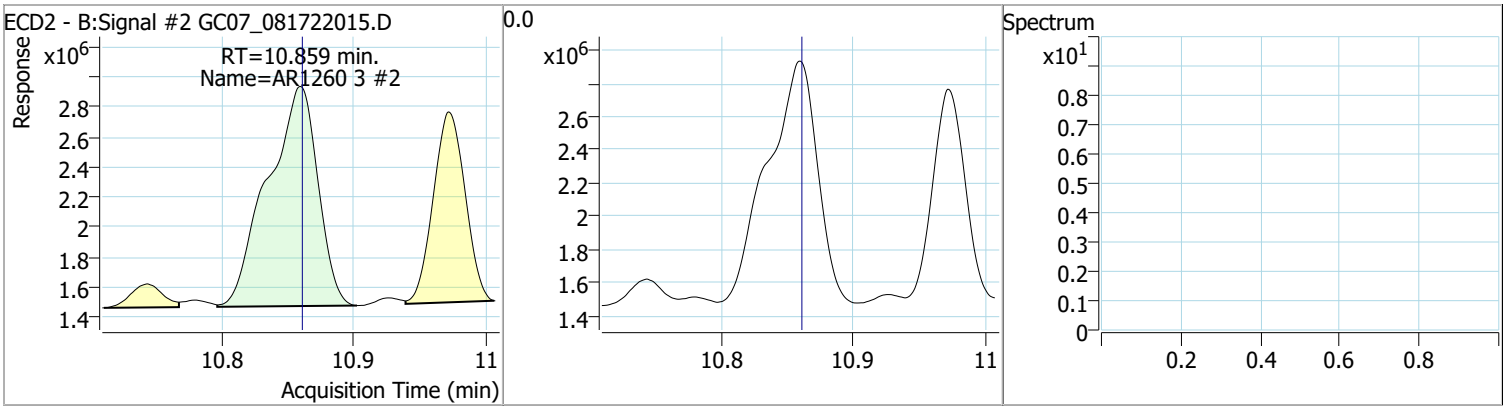
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	556.9457	10.37	0.00	3100873				



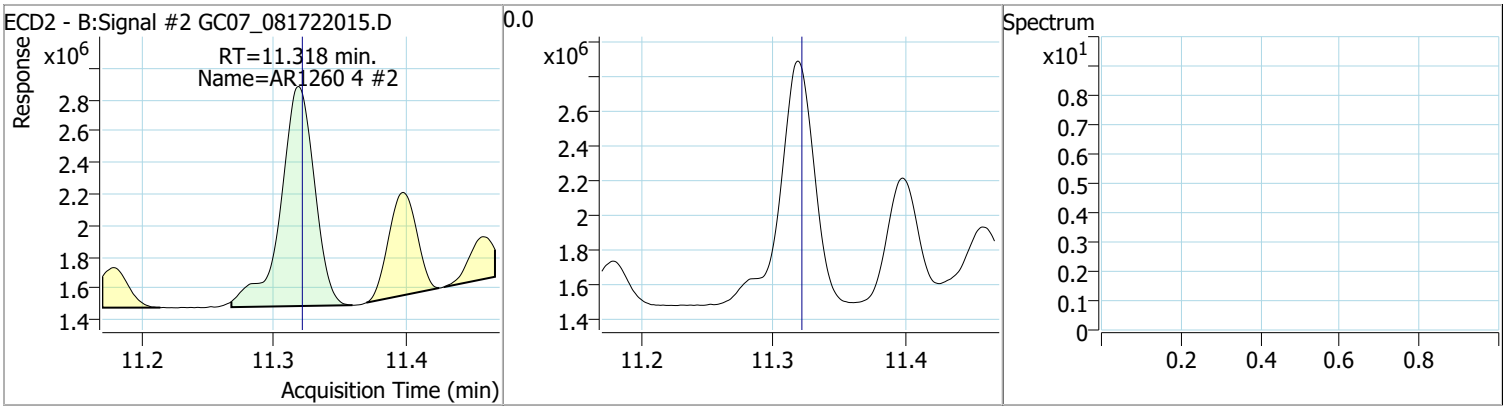
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	612.2785	10.75	0.00	11473370				



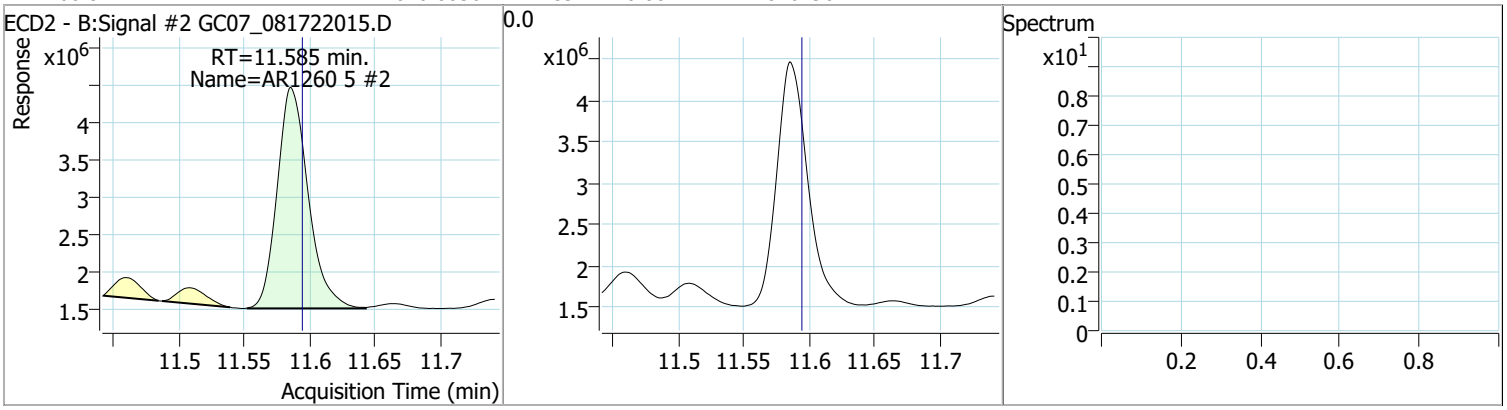
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	526.0946	10.86	0.00	3870415				



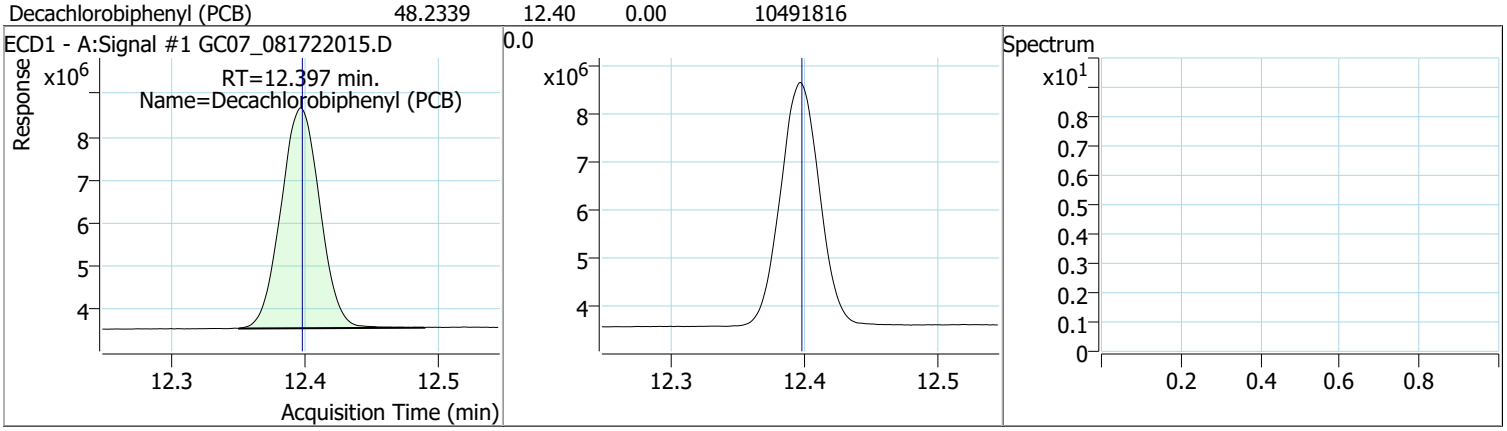
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	622.7465	11.32	0.00	2506078				



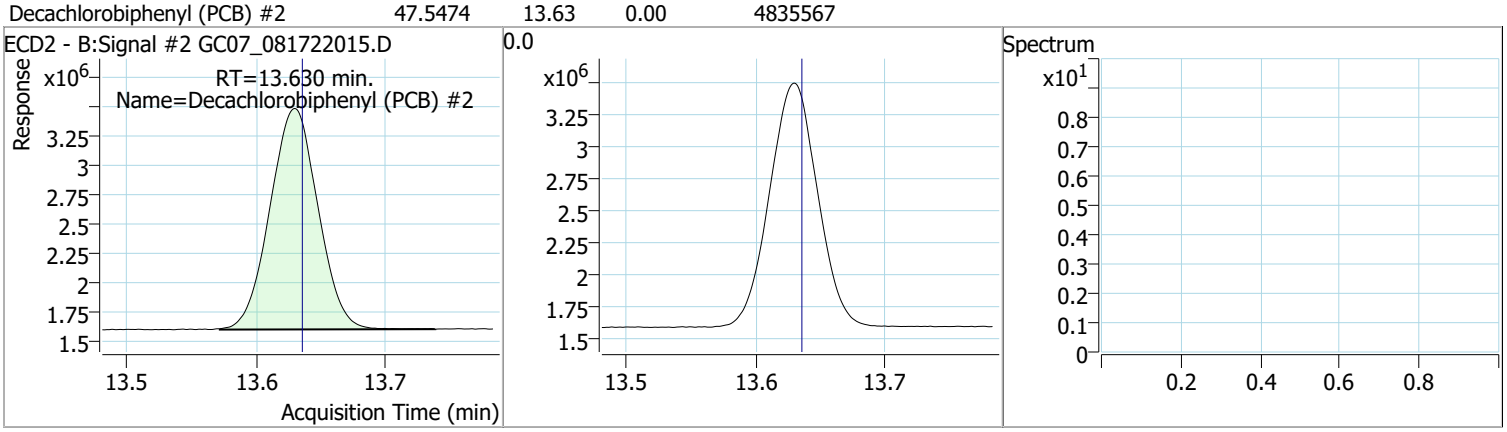
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	610.0036	11.59	0.00	4846790				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	48.2339	12.40	0.00	10491816				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	47.5474	13.63	0.00	4835567				



Initial Calibration Raw Data

ENTHALPY INITIAL CALIBRATION FOR 467322 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_081622_1
Calibration #:	462329480002	Date:	16-AUG-2022 19:20
		X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc07_081622002	462329480002		16-AUG-2022 19:20	S16726 (100X), S17010 (250X)
L2	gc07_081622003	462329480003		16-AUG-2022 19:38	S16726 (40X), S17010 (250X)
L3	gc07_081622004	462329480004		16-AUG-2022 19:55	S16726 (20X), S17010 (250X)
L4	gc07_081622005	462329480005		16-AUG-2022 20:13	S16726 (8X), S17010 (250X)
L5	gc07_081622006	462329480006		16-AUG-2022 20:31	S16726 (4X), S17010 (250X)
L6	gc07_081622007	462329480007		16-AUG-2022 20:48	S16726 (2.66X), S17010 (250X)
L7	gc07_081622008	462329480008		16-AUG-2022 21:05	S16726 (2X), S17010 (250X)
L8	gc07_081622009	462329480009		16-AUG-2022 21:23	S16726 (1.33X), S17010 (250X)
L9	gc07_081622010	462329480010		16-AUG-2022 21:41	S16726, S17010 (250X)

Analyte	Ch	Type	a0	a1	a2	Units	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		56.2636		ug/L	0.0178	18	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		27.7267		ug/L	0.0361	20	8	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		23.1263		ug/L	0.0432	18	8	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		35.1543		ug/L	0.0284	20	8	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		39.9570		ug/L	0.0250	20	8	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		19.7552		ug/L	0.0506	20	8	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		13.3059		ug/L	0.0752	19	8	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		12.3533		ug/L	0.0809	18	8	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		26.2938		ug/L	0.0380	19	7	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		12.3421		ug/L	0.0810	18	8	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		1.06319		pg/uL	0.9406	13	9	.99	20	
TCMX (PCB)	A	AVRG		1.11507		pg/uL	0.8968	12	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		53.0571		ug/L	0.0188	12	8	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		25.6239		ug/L	0.0390	14	8	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		21.0210		ug/L	0.0476	16	8	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		29.6769		ug/L	0.0337	14	8	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		37.3666		ug/L	0.0268	15	8	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		18.4369		ug/L	0.0542	16	8	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		15.3307		ug/L	0.0652	18	8	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		11.6024		ug/L	0.0862	16	8	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		21.2105		ug/L	0.0471	17	8	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		10.7399		ug/L	0.0931	20	7	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.83928		pg/uL	1.1915	12	8	.99	20	
TCMX (PCB)	B	AVRG		1.12132		pg/uL	0.8918	8	8	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

ENTHALPY INITIAL CALIBRATION FOR 467322 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_081622_1
Calibration #:	462329480002	Date:	16-AUG-2022 19:20
		X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0215	0.0221	0.0207	0.0197	0.0151	0.0144	0.0165	0.0160	0.0140
Aroclor-1016 Peak # 2	A	0.0419	0.0450	0.0424	0.0402	0.0270	0.0284	0.0328	0.0309	
Aroclor-1016 Peak # 3	A	0.0506	0.0540	0.0498	0.0454	0.0317	0.0351	0.0408	0.0386	
Aroclor-1016 Peak # 4	A	0.0336	0.0354	0.0326	0.0312	0.0200	0.0226	0.0275	0.0248	
Aroclor-1016 Peak # 5	A	0.0272	0.0311	0.0300	0.0282	0.0173	0.0203	0.0238	0.0222	
Aroclor-1260 Peak # 1	A	0.0589	0.0632	0.0595	0.0562	0.0365	0.0396	0.0481	0.0431	
Aroclor-1260 Peak # 2	A	0.0829	0.0936	0.0896	0.0837	0.0548	0.0596	0.0724	0.0648	
Aroclor-1260 Peak # 3	A	0.0926	0.0993	0.0961	0.0808	0.0595	0.0660	0.0802	0.0730	
Aroclor-1260 Peak # 4	A	0.0412	0.0453	0.0435	0.0422	0.0269	0.0302	0.0369		
Aroclor-1260 Peak # 5	A	0.0915	0.0989	0.0938	0.0889	0.0574	0.0652	0.0797	0.0728	
Decachlorobiphenyl (PCB)	A	0.9435	0.9889	1.0214	1.1804	0.9770	0.7542	0.9149	0.8492	0.8356
TCMX (PCB)	A	0.9735	1.0616	0.9957	0.9378	0.8786	0.7186	0.8346	0.8136	0.8573
Aroclor-1016 Peak # 1	B	0.0195	0.0214	0.0205	0.0211	0.0163	0.0157	0.0185	0.0177	
Aroclor-1016 Peak # 2	B	0.0378	0.0443	0.0439	0.0456	0.0313	0.0331	0.0390	0.0372	
Aroclor-1016 Peak # 3	B	0.0439	0.0557	0.0573	0.0541	0.0360	0.0394	0.0474	0.0466	
Aroclor-1016 Peak # 4	B	0.0320	0.0383	0.0383	0.0391	0.0256	0.0288	0.0345	0.0329	
Aroclor-1016 Peak # 5	B	0.0263	0.0309	0.0298	0.0308	0.0192	0.0230	0.0279	0.0262	
Aroclor-1260 Peak # 1	B	0.0544	0.0633	0.0628	0.0621	0.0408	0.0446	0.0551	0.0509	
Aroclor-1260 Peak # 2	B	0.0708	0.0770	0.0776	0.0735	0.0477	0.0518	0.0643	0.0592	
Aroclor-1260 Peak # 3	B	0.0917	0.1013	0.0984	0.0957	0.0637	0.0699	0.0877	0.0812	
Aroclor-1260 Peak # 4	B	0.0495	0.0545	0.0552	0.0531	0.0349	0.0357	0.0491	0.0452	
Aroclor-1260 Peak # 5	B	0.1059	0.1076	0.1048	0.1065	0.0635	0.0725	0.0911		
Decachlorobiphenyl (PCB)	B	1.3145	1.3062	1.3050	1.2746	1.2181	0.9277	1.1335	1.0524	
TCMX (PCB)	B	0.8217	0.9497	0.9542	0.9624	0.9059	0.7495	0.8927	0.8983	

ENTHALPY INITIAL CALIBRATION FOR 467322 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_081622_1
Calibration #:	462329480002	Date:	16-AUG-2022 19:20
		X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	**21**	50.000	**24**	100.00	16	250.00	11	500.00	-15	751.88	-19	1000.0	-7	1503.8	-10
Aroclor-1016 Peak # 2	A	20.000	16	50.000	**25**	100.00	18	250.00	11	500.00	**-25**	751.88	**-21**	1000.0	-9	1503.8	-14
Aroclor-1016 Peak # 3	A	20.000	17	50.000	**25**	100.00	15	250.00	5	500.00	**-27**	751.88	-19	1000.0	-6	1503.8	-11
Aroclor-1016 Peak # 4	A	20.000	18	50.000	**24**	100.00	14	250.00	10	500.00	**-30**	751.88	-20	1000.0	-3	1503.8	-13
Aroclor-1016 Peak # 5	A	20.000	9	50.000	**24**	100.00	20	250.00	13	500.00	**-31**	751.88	-19	1000.0	-5	1503.8	-11
Aroclor-1260 Peak # 1	A	20.000	16	50.000	**25**	100.00	17	250.00	11	500.00	**-28**	751.88	**-22**	1000.0	-5	1503.8	-15
Aroclor-1260 Peak # 2	A	20.000	10	50.000	**24**	100.00	19	250.00	11	500.00	**-27**	751.88	**-21**	1000.0	-4	1503.8	-14
Aroclor-1260 Peak # 3	A	20.000	14	50.000	**23**	100.00	19	250.00	0	500.00	**-26**	751.88	-18	1000.0	-1	1503.8	-10
Aroclor-1260 Peak # 4	A	20.000	8	50.000	19	100.00	14	250.00	11	500.00	**-29**	751.88	**-21**	1000.0	-3		
Aroclor-1260 Peak # 5	A	20.000	13	50.000	**22**	100.00	16	250.00	10	500.00	**-29**	751.88	-20	1000.0	-2	1503.8	-10
Decachlorobiphenyl (PCB)	A	0.8000	0	2.0000	5	4.0000	9	10.000	**25**	20.000	4	30.075	-20	40.000	-3	60.150	-10
TCMX (PCB)	A	0.8000	9	2.0000	18	4.0000	11	10.000	5	20.000	-2	30.075	-20	40.000	-7	60.150	-9
Aroclor-1016 Peak # 1	B	20.000	4	50.000	14	100.00	9	250.00	12	500.00	-13	751.88	-17	1000.0	-2	1503.8	-6
Aroclor-1016 Peak # 2	B	20.000	-3	50.000	13	100.00	13	250.00	17	500.00	-20	751.88	-15	1000.0	0	1503.8	-5
Aroclor-1016 Peak # 3	B	20.000	-8	50.000	17	100.00	**21**	250.00	14	500.00	**-24**	751.88	-17	1000.0	0	1503.8	-2
Aroclor-1016 Peak # 4	B	20.000	-5	50.000	14	100.00	14	250.00	16	500.00	**-24**	751.88	-14	1000.0	3	1503.8	-2
Aroclor-1016 Peak # 5	B	20.000	-2	50.000	15	100.00	11	250.00	15	500.00	**-28**	751.88	-14	1000.0	4	1503.8	-2
Aroclor-1260 Peak # 1	B	20.000	0	50.000	17	100.00	16	250.00	14	500.00	**-25**	751.88	-18	1000.0	2	1503.8	-6
Aroclor-1260 Peak # 2	B	20.000	9	50.000	18	100.00	19	250.00	13	500.00	**-27**	751.88	**-21**	1000.0	-1	1503.8	-9
Aroclor-1260 Peak # 3	B	20.000	6	50.000	18	100.00	14	250.00	11	500.00	**-26**	751.88	-19	1000.0	2	1503.8	-6
Aroclor-1260 Peak # 4	B	20.000	5	50.000	16	100.00	17	250.00	13	500.00	**-26**	751.88	**-24**	1000.0	4	1503.8	-4
Aroclor-1260 Peak # 5	B	20.000	14	50.000	16	100.00	13	250.00	14	500.00	**-32**	751.88	**-22**	1000.0	-2		
Decachlorobiphenyl (PCB)	B	0.8000	10	2.0000	10	4.0000	10	10.000	7	20.000	2	30.075	**-22**	40.000	-5	60.150	-12
TCMX (PCB)	B	0.8000	-8	2.0000	6	4.0000	7	10.000	8	20.000	2	30.075	-16	40.000	0	60.150	1

ENTHALPY INITIAL CALIBRATION FOR 467322 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_081622_1
Calibration #:	462329480002	Date:	16-AUG-2022 19:20
		X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	**-21**
Aroclor-1016 Peak # 2	A		
Aroclor-1016 Peak # 3	A		
Aroclor-1016 Peak # 4	A		
Aroclor-1016 Peak # 5	A		
Aroclor-1260 Peak # 1	A		
Aroclor-1260 Peak # 2	A		
Aroclor-1260 Peak # 3	A		
Aroclor-1260 Peak # 4	A		
Aroclor-1260 Peak # 5	A		
Decachlorobiphenyl (PCB)	A	80.000	-11
TCMX (PCB)	A	80.000	-4
Aroclor-1016 Peak # 1	B		
Aroclor-1016 Peak # 2	B		
Aroclor-1016 Peak # 3	B		
Aroclor-1016 Peak # 4	B		
Aroclor-1016 Peak # 5	B		
Aroclor-1260 Peak # 1	B		
Aroclor-1260 Peak # 2	B		
Aroclor-1260 Peak # 3	B		
Aroclor-1260 Peak # 4	B		
Aroclor-1260 Peak # 5	B		
Decachlorobiphenyl (PCB)	B		
TCMX (PCB)	B		

TRN 08/18/22 : Manually integrated for coeluting peaks, draw baseline for positive/negative in both/one channel in multiple levels.

Analyst: TRN 08/18/22

Reviewer: LW 08/18/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 467322 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07	Name:	PCB_081622_1
Calnum:	462329480002	Cal Date:	16-AUG-2022

- ICV 462329480012 (gc07_081622012 16-AUG-2022) stds: S16736

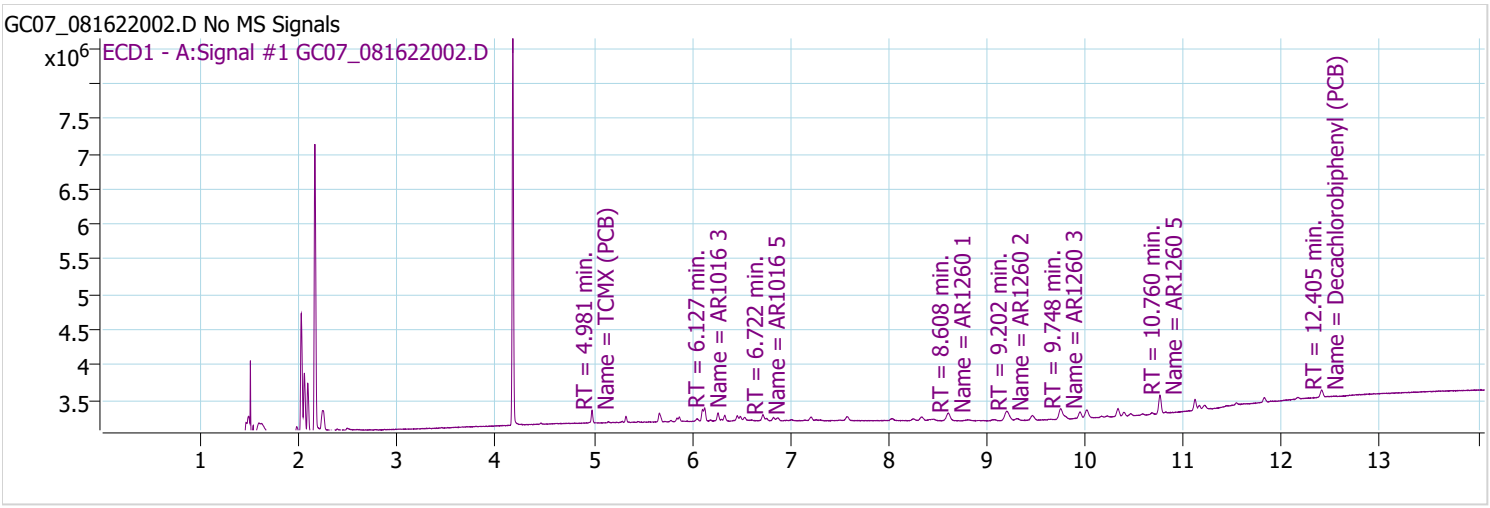
Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	497.9	ug/L	0	15	
Aroclor-1260	A	500.0	537.2	ug/L	7	15	
Aroclor-1016	B	500.0	521.9	ug/L	4	15	
Aroclor-1260	B	500.0	556.3	ug/L	11	15	

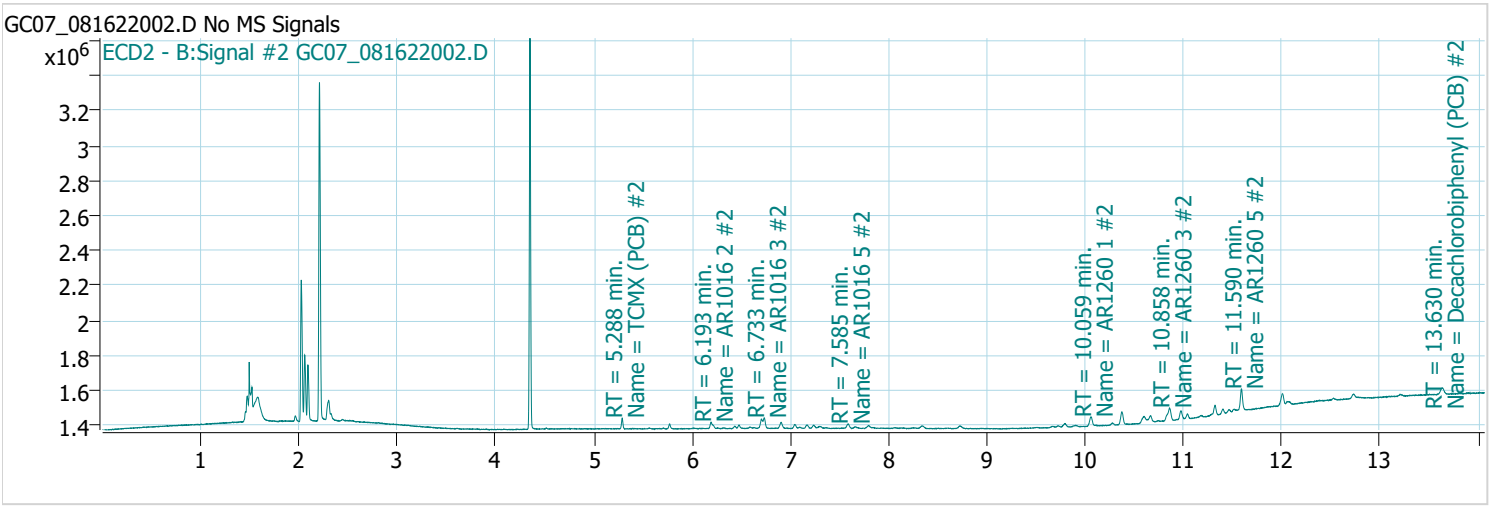
-

Analyst: TRN 08/18/22 **Reviewer:** LW 08/18/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_081622002.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	8/16/2022 7:20:54 PM
Sample Name	ICAL, S16726, 100	Instrument	SVOA-GC07
Vial	31	Multiplier	1.00
DA Method File	PCB_608_081622_GC07_2.m	Comment	20 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	081622PCBICAL.batch.bin	Last Calib Update	8/18/2022 11:24:04 AM
Ref Library			



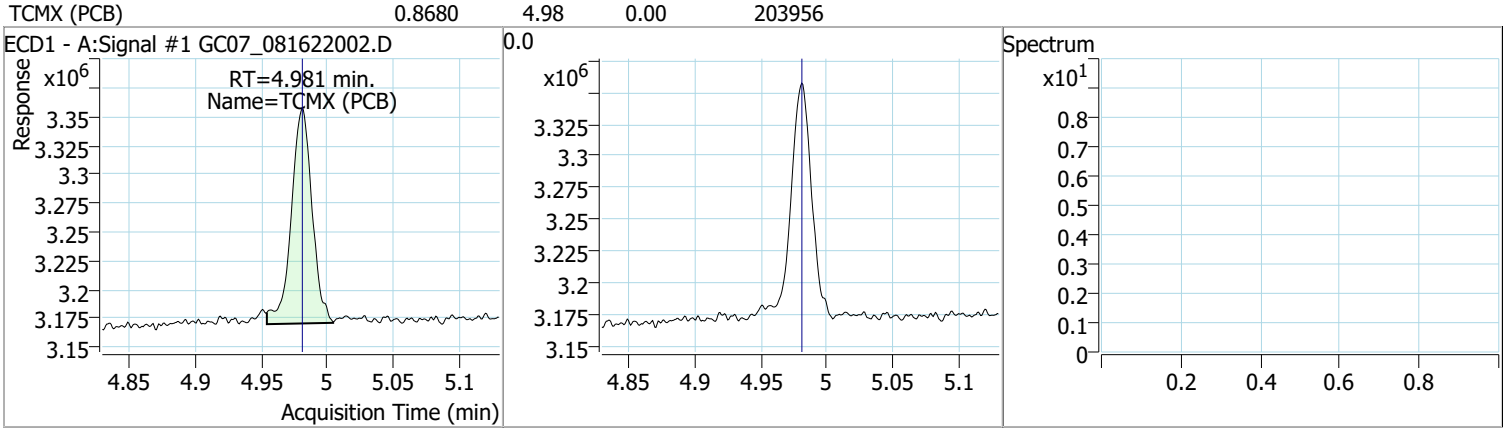


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.175	0.0	5237722.113	20.0000	ng/ml		0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.349	0.0	1995008.910	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	4.981	0.0	203955.939	0.8680	ng/ml		0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.34%		*	
S TCMX (PCB) #2	5.288	0.0	65569.219	0.7367	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 3.68%		*	
S Decachlorobiphenyl (PCB)	12.405	0.0	197679.952	0.8021	ng/ml		0.009
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.01%		*	
S Decachlorobiphenyl (PCB) #2	13.630	0.0	104897.451	0.8821	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.41%		*	
Target Compounds							QValue
T AR1016 1	5.326	0.0	112766.771	24.2153	ng/ml		100
T AR1016 2	5.665	0.0	219520.725	23.2294	ng/ml		100
T AR1016 1 #2	5.769	0.0	38987.031	20.7256	ng/ml		100

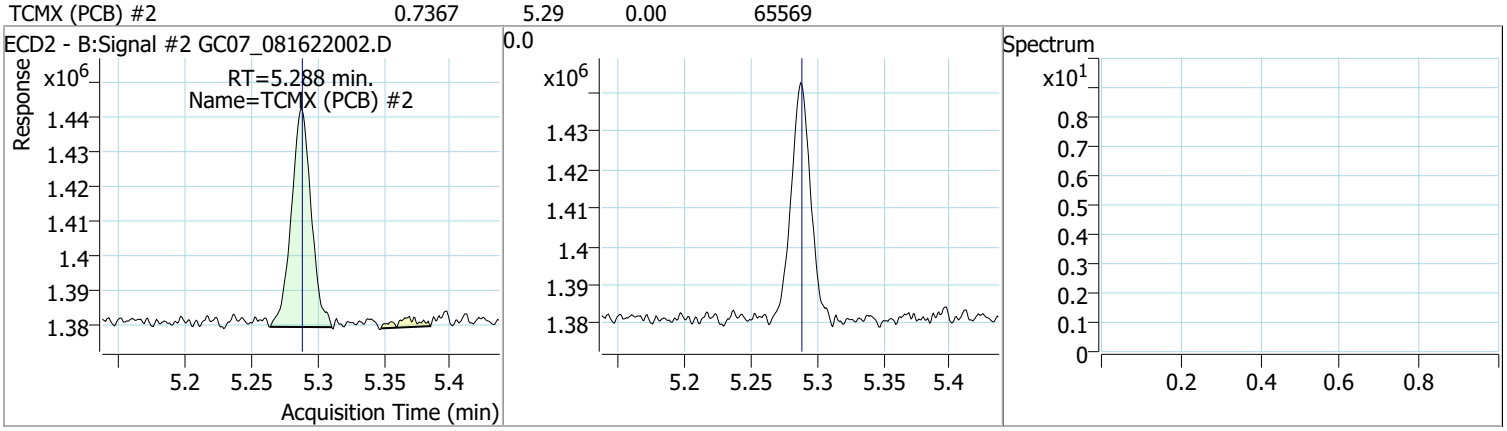
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 3	6.127	0.0	265182.780	23.4049	ng/ml	100
T AR1016 2 #2	6.193	0.0	75397.219	19.3571	ng/ml	100
T AR1016 4	6.263	0.0	176018.485	23.6155	ng/ml	100
T AR1016 5	6.722	0.0	142698.884	21.7605	ng/ml	100
T AR1016 3 #2	6.733	0.0	87578.329	18.4455	ng/ml	100
T AR1016 4 #2	6.905	0.0	63931.285	19.0094	ng/ml	100
T AR1016 5 #2	7.585	0.0	52497.157	19.6541	ng/ml	100
T AR1260 1	8.608	0.0	308551.158	23.2635	ng/ml	100
T AR1260 2	9.202	0.0	434087.011	22.0436	ng/ml	100
T AR1260 3	9.748	0.0	485074.392	22.8690	ng/ml	100
T AR1260 1 #2	10.059	0.0	108477.485	20.0388	ng/ml	100
T AR1260 4	10.334	0.0	215935.680	21.6742	ng/ml	100
T AR1260 2 #2	10.373	0.0	141214.533	21.6918	ng/ml	100
T AR1260 5	10.760	0.0	479167.553	22.5701	ng/ml	100
T AR1260 3 #2	10.858	0.0	182859.250	21.2574	ng/ml	100
T AR1260 4 #2	11.321	0.0	98836.408	21.0049	ng/ml	100
T AR1260 5 #2	11.590	0.0	211221.158	22.7354	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

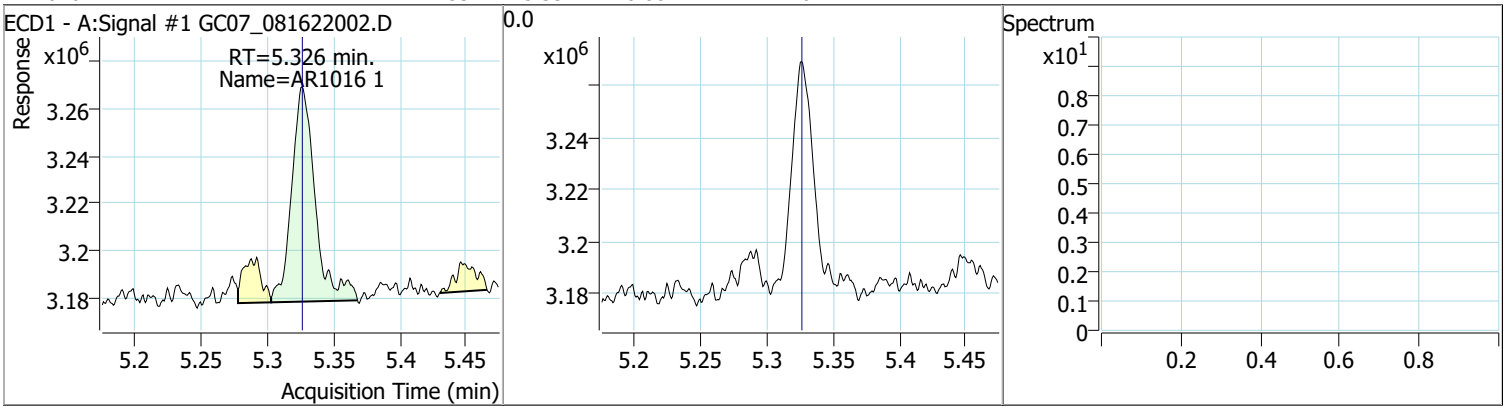
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	0.8680	4.98	0.00	203956				



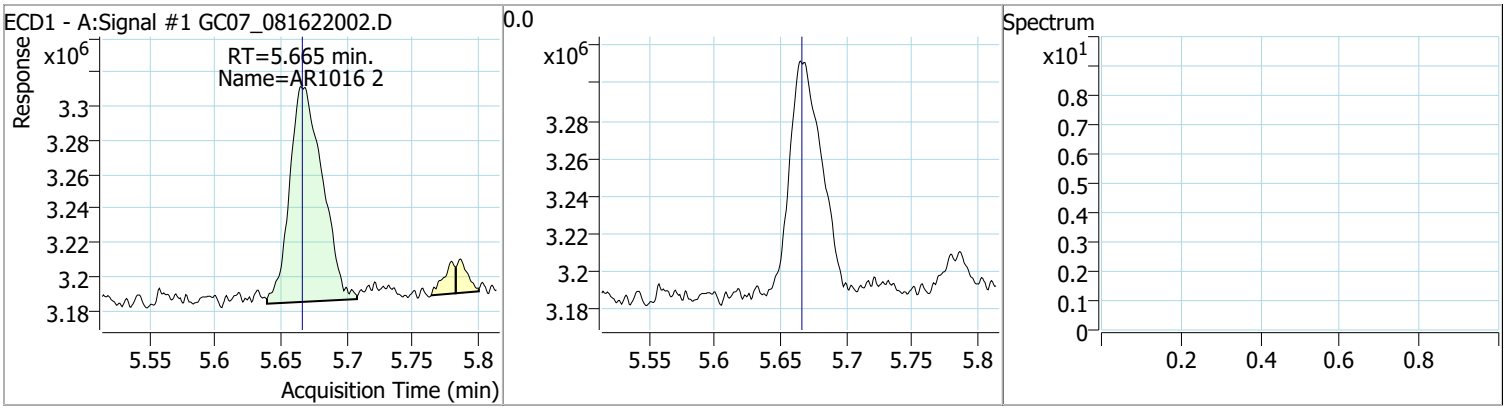
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	0.7367	5.29	0.00	65569				



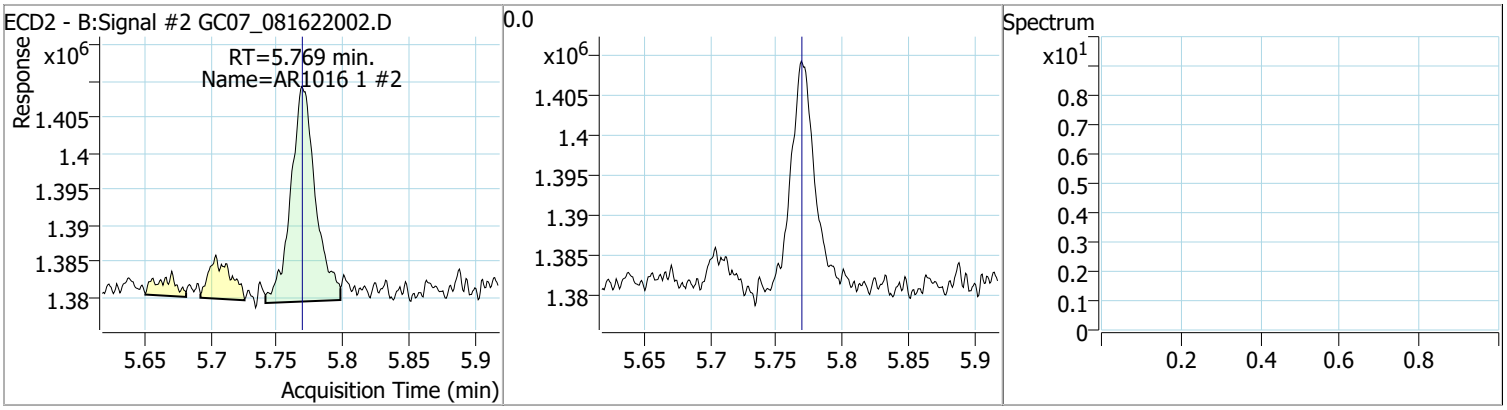
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	24.2153	5.33	0.00	112767				



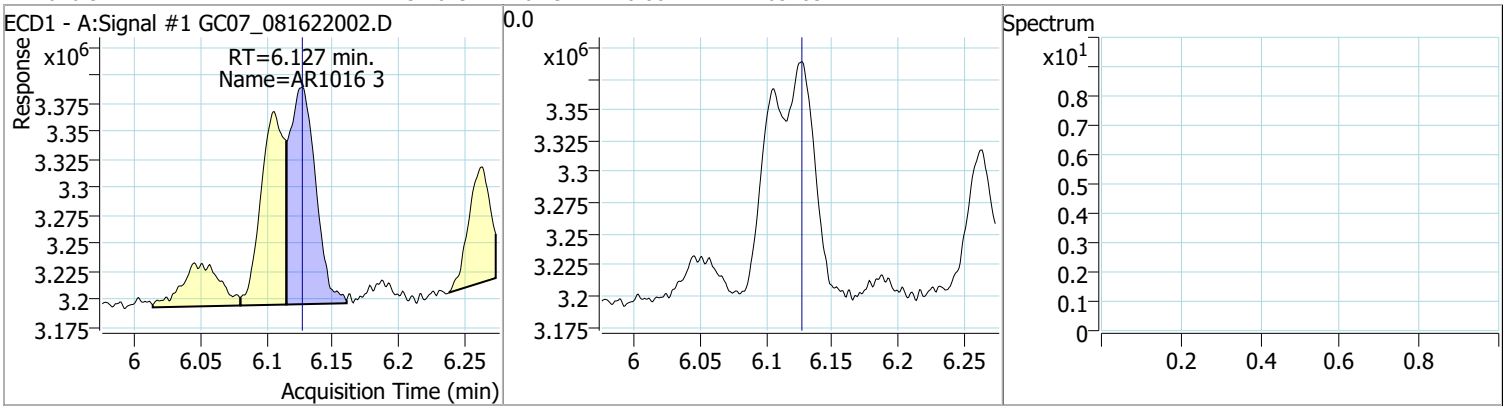
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	23.2294	5.67	0.00	219521				



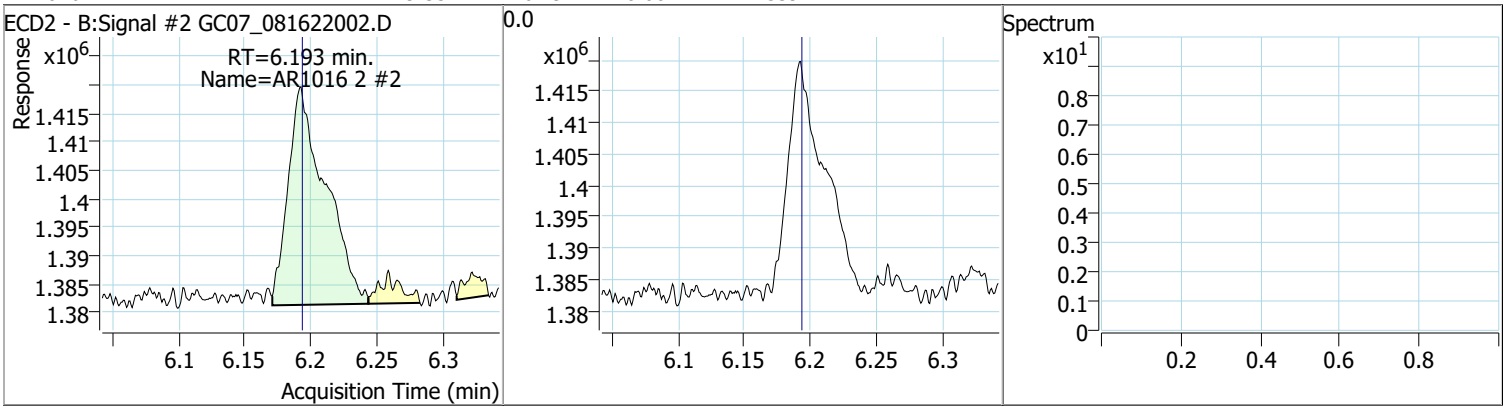
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	20.7256	5.77	0.00	38987				



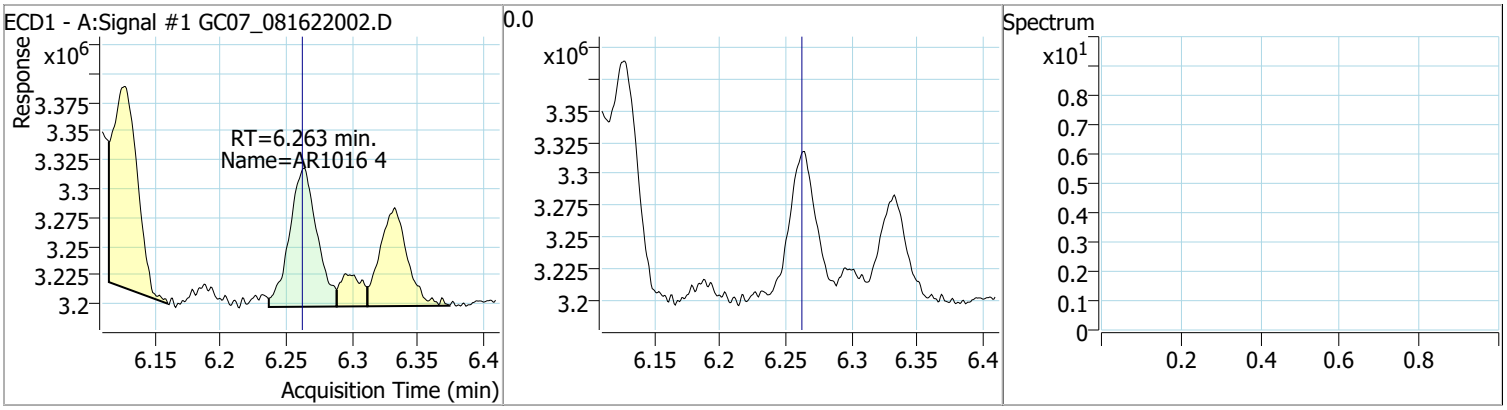
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	23.4049	6.13	0.00	265183				



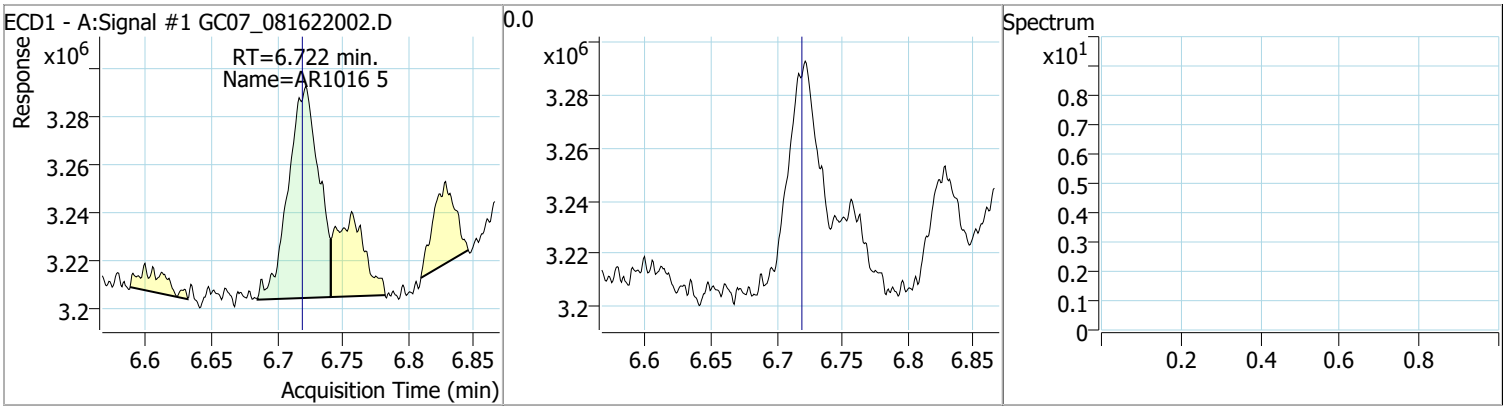
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	19.3571	6.19	0.00	75397				



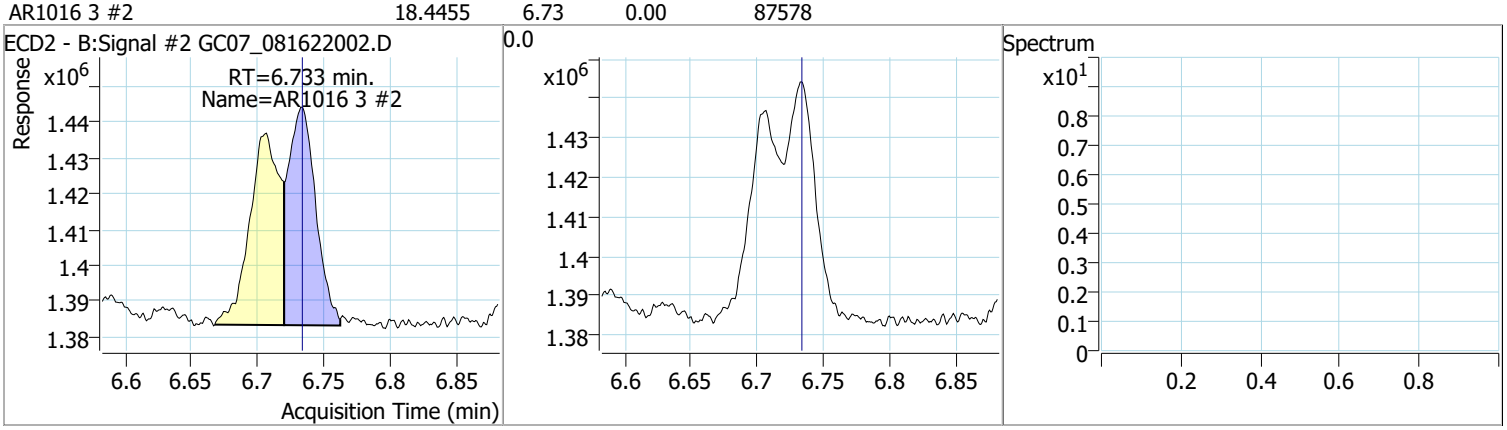
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	23.6155	6.26	0.01	176018				



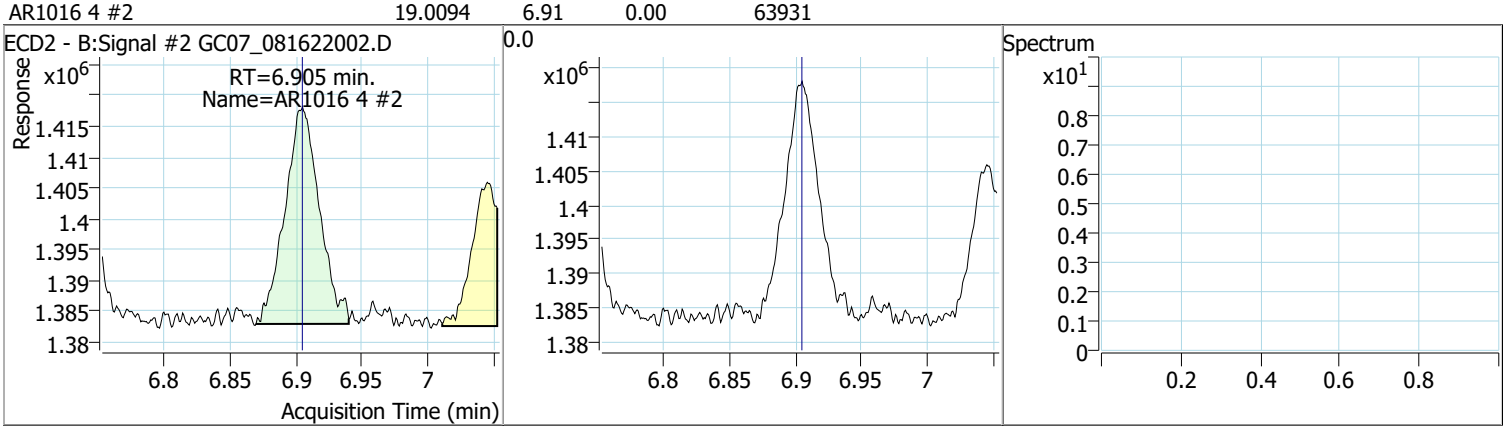
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	21.7605	6.72	0.01	142699				



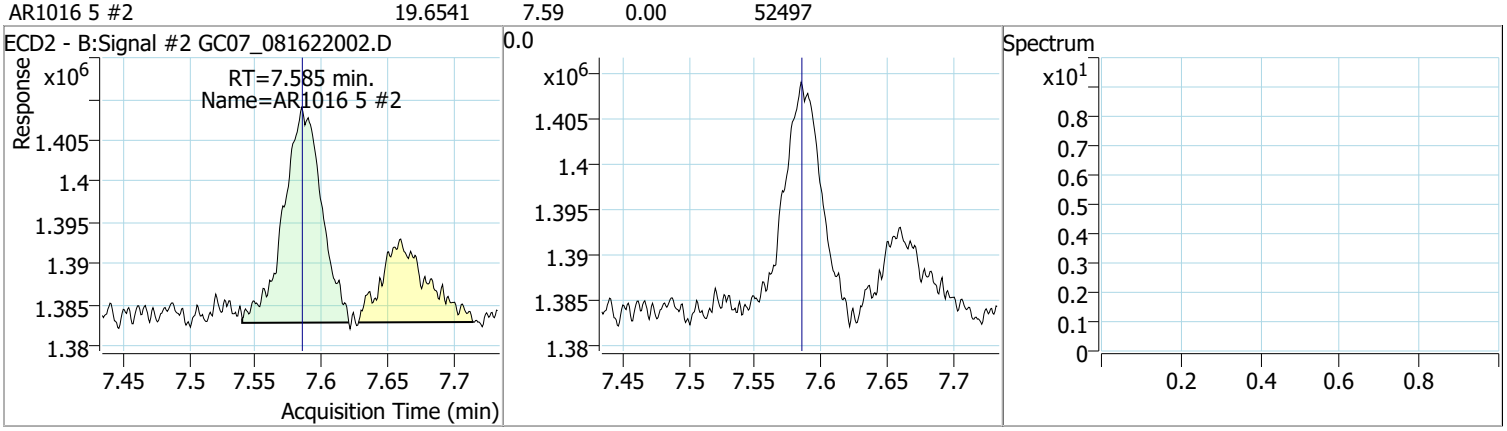
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	18.4455	6.73	0.00	87578				



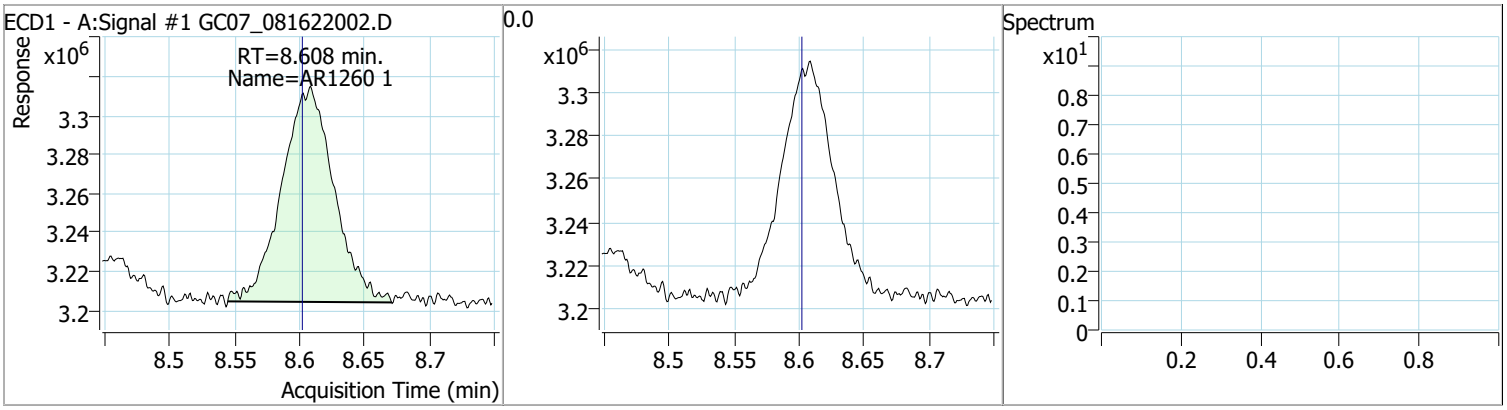
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	19.0094	6.91	0.00	63931				



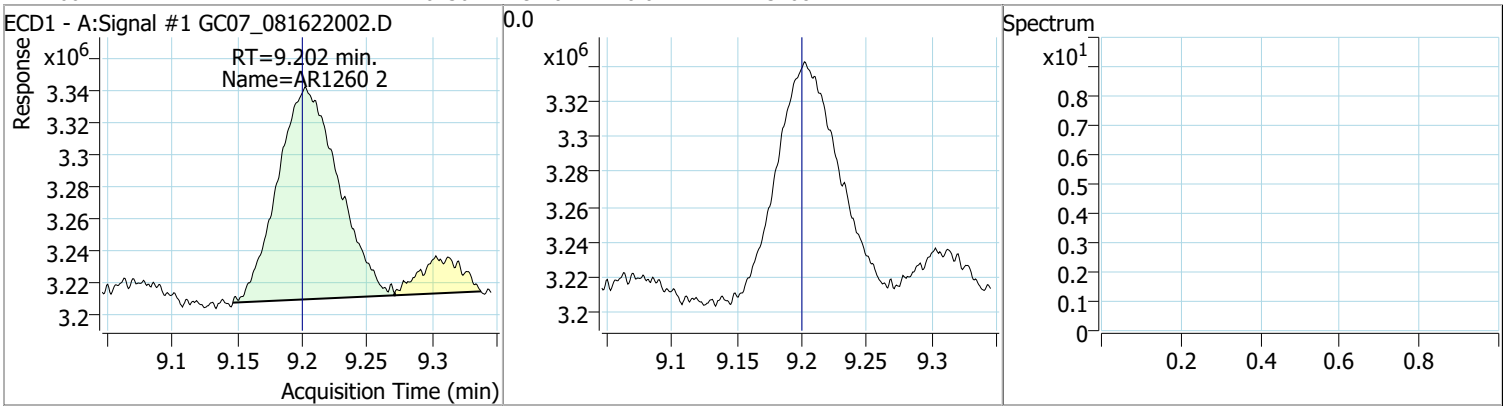
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	19.6541	7.59	0.00	52497				



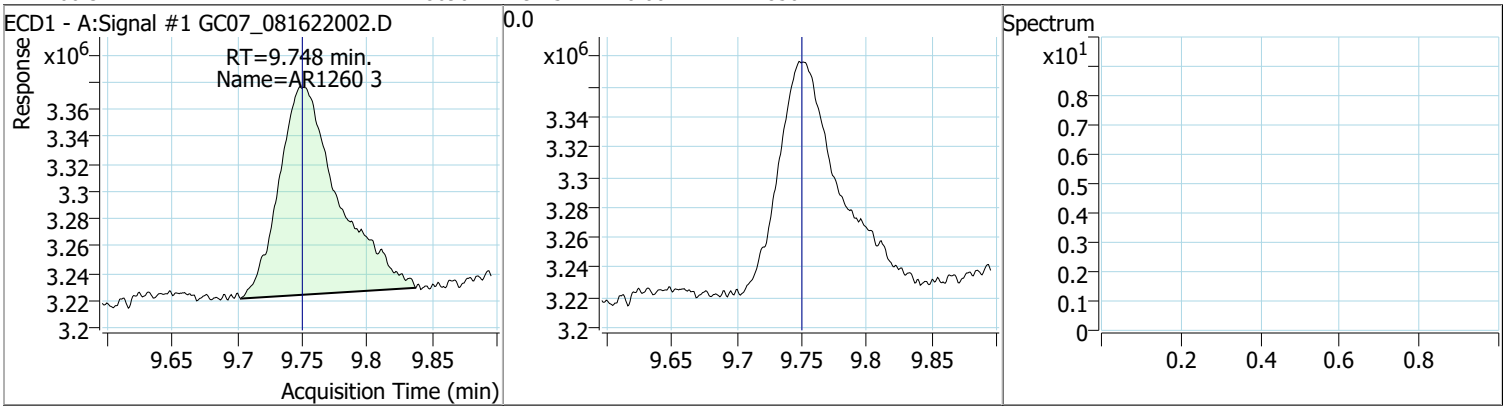
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	23.2635	8.61	0.01	308551				



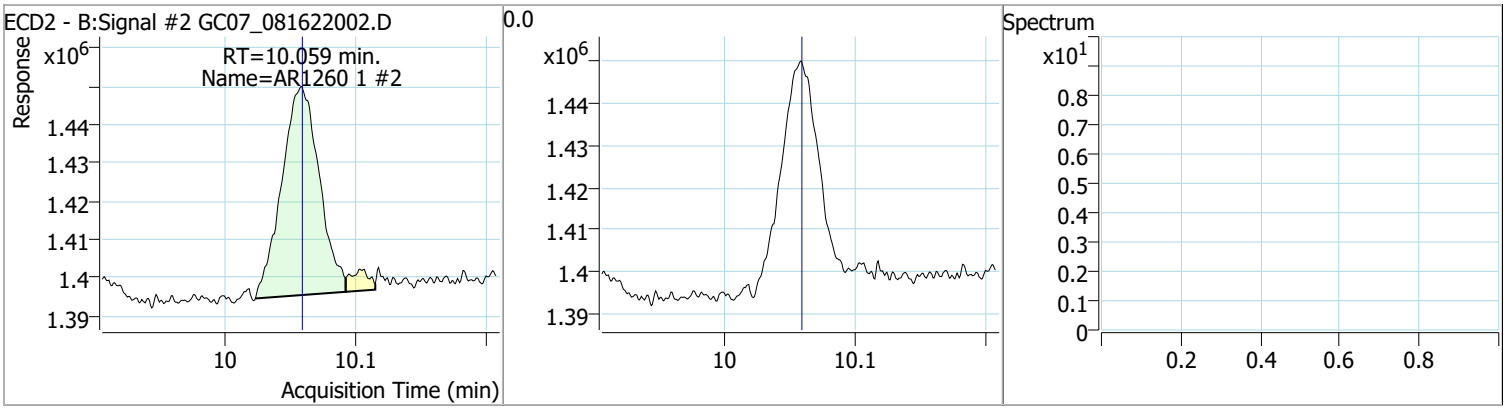
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	22.0436	9.20	0.01	434087				



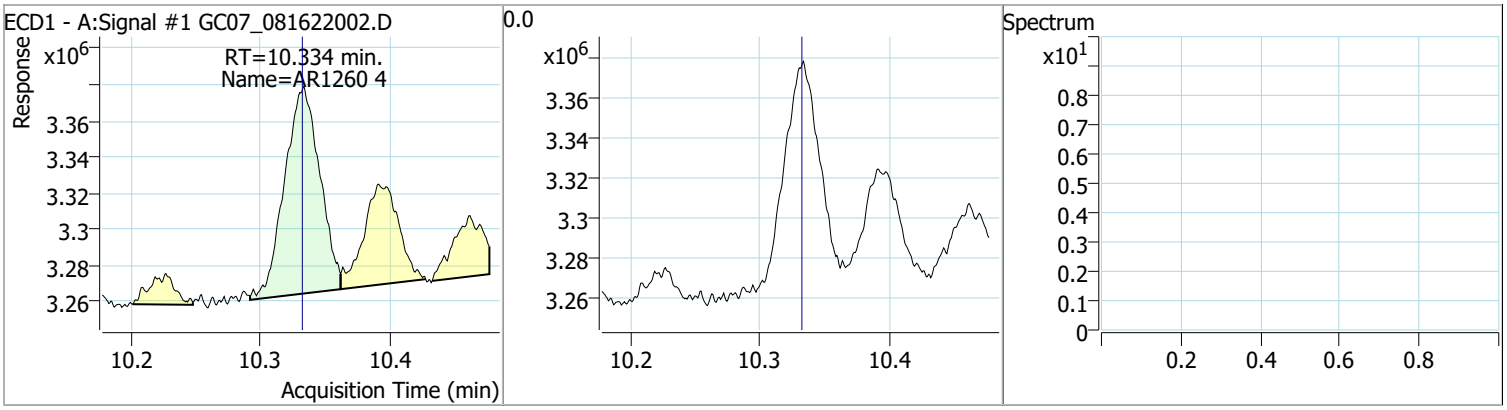
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	22.8690	9.75	0.00	485074				



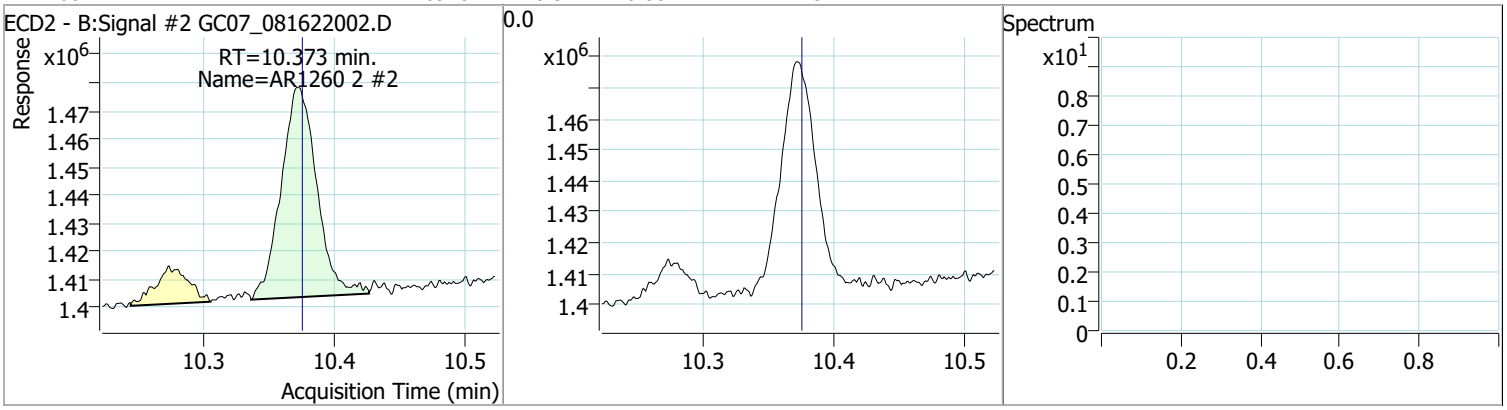
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	20.0388	10.06	0.00	108477				



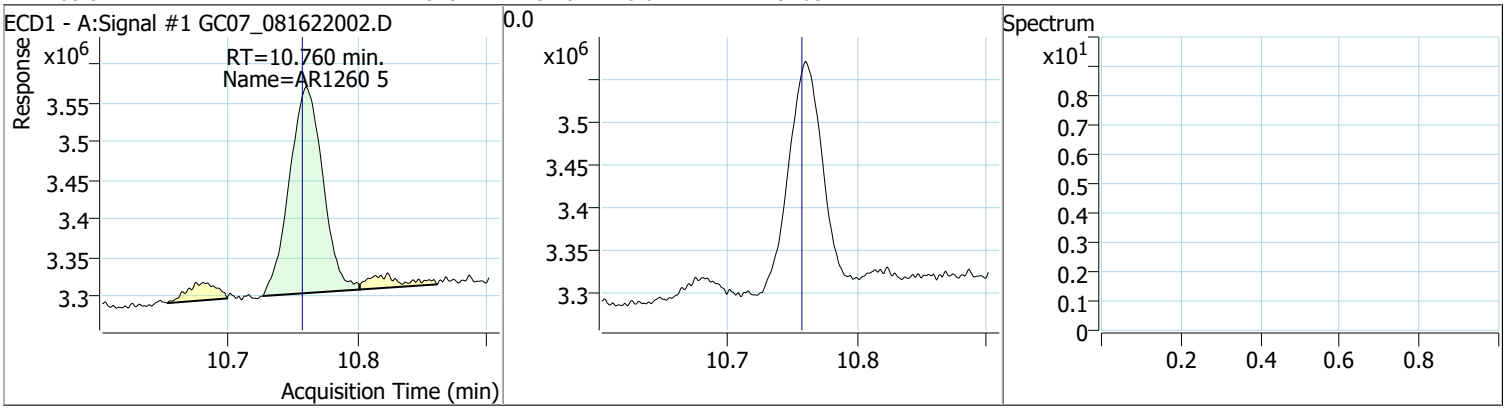
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	21.6742	10.33	0.01	215936				



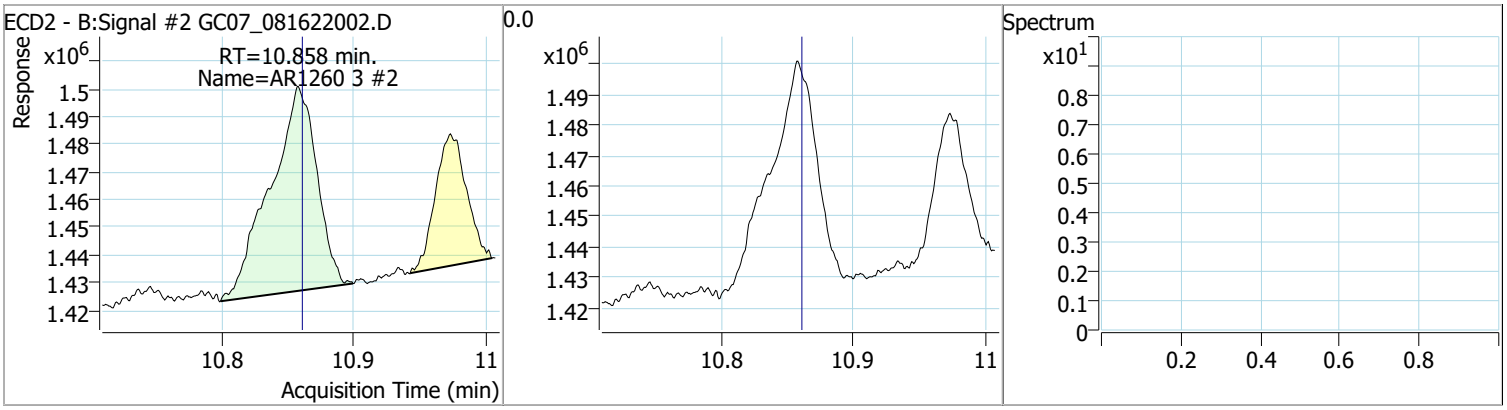
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	21.6918	10.37	0.00	141215				



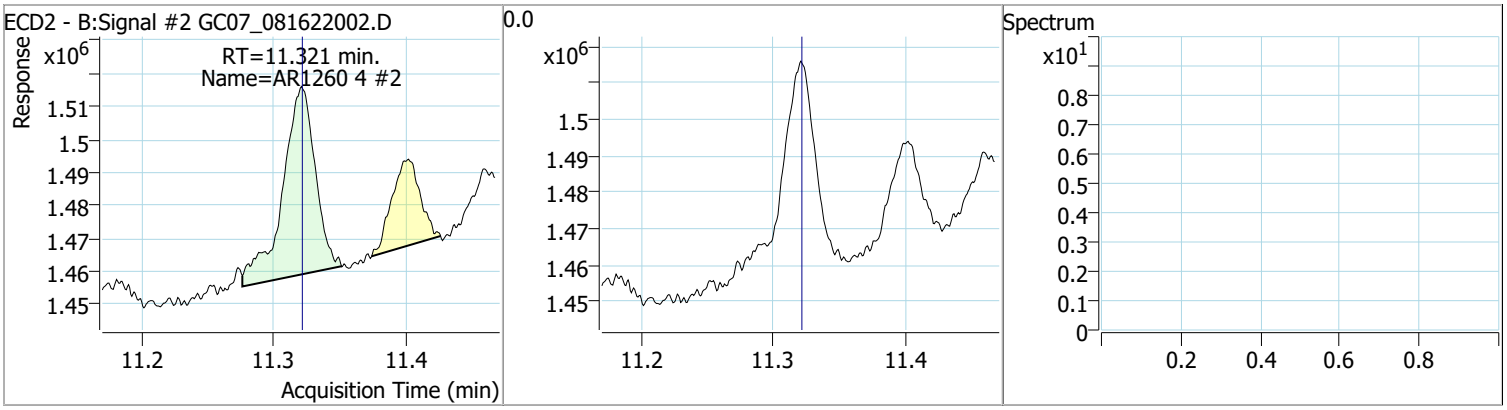
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	22.5701	10.76	0.01	479168				



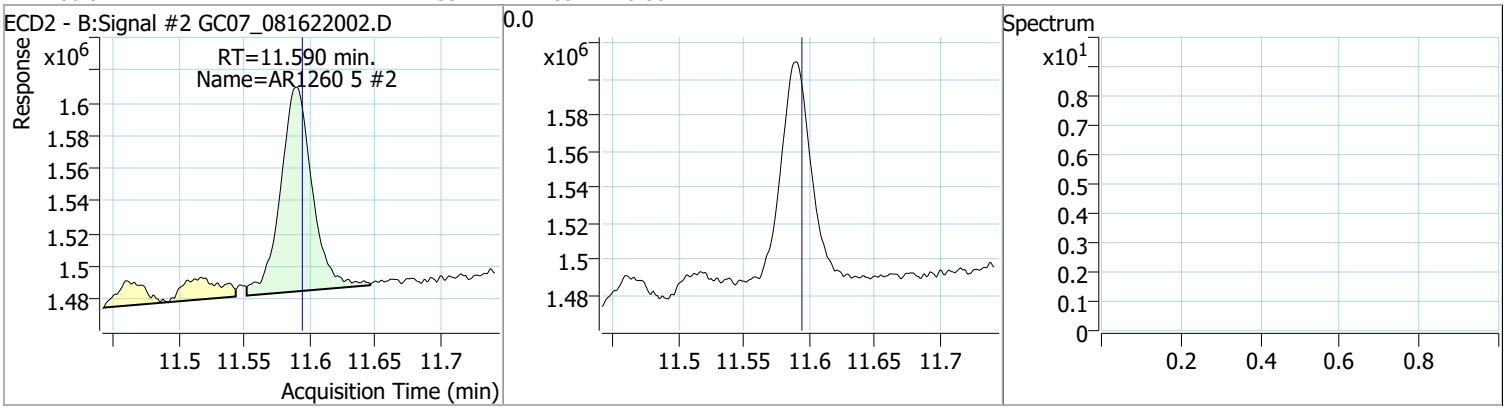
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	21.2574	10.86	0.00	182859				



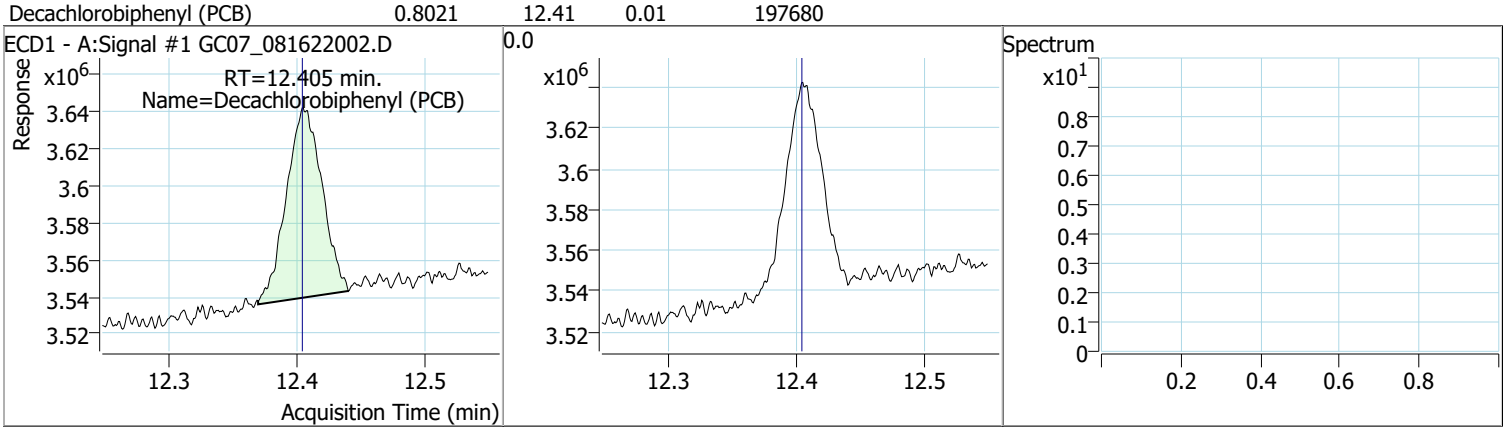
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	21.0049	11.32	0.00	98836				



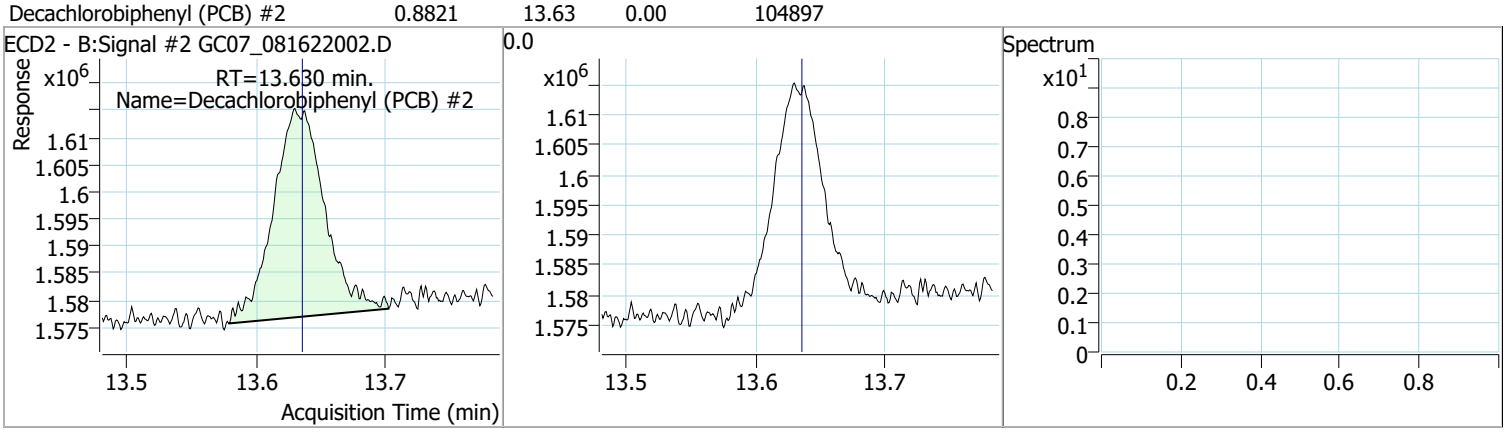
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	22.7354	11.59	0.00	211221				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	0.8021	12.41	0.01	197680				

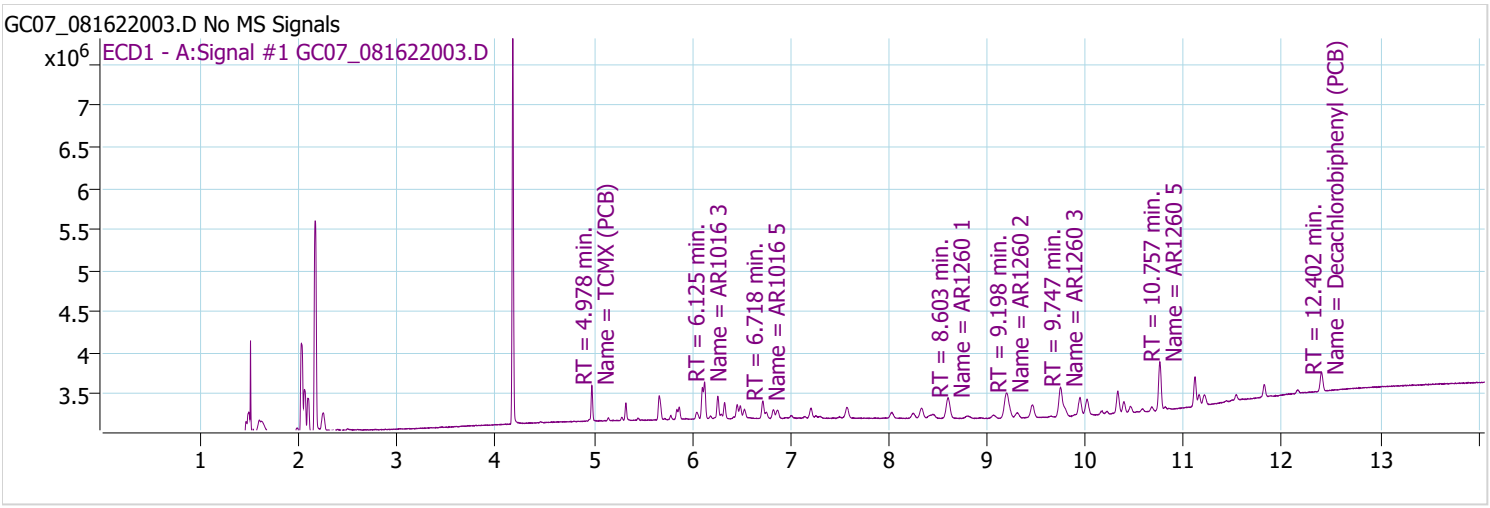


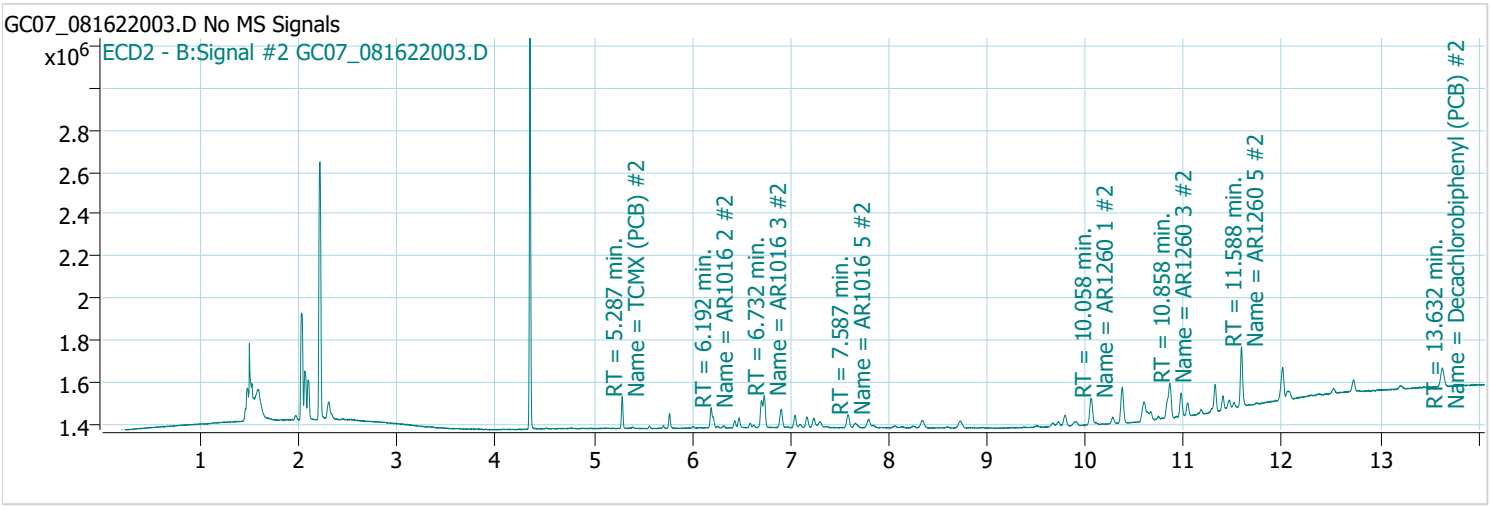
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	0.8821	13.63	0.00	104897				



Quantitation Results Report (Not Reviewed)

Data File	GC07_081622003.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	8/16/2022 7:38:24 PM
Sample Name	ICAL, S16726, 40	Instrument	SVOA-GC07
Vial	32	Multiplier	1.00
DA Method File	PCB_608_081622_GC07_2.m	Comment	50 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	081622PCBICAL.batch.bin	Last Calib Update	8/18/2022 11:24:04 AM
Ref Library			



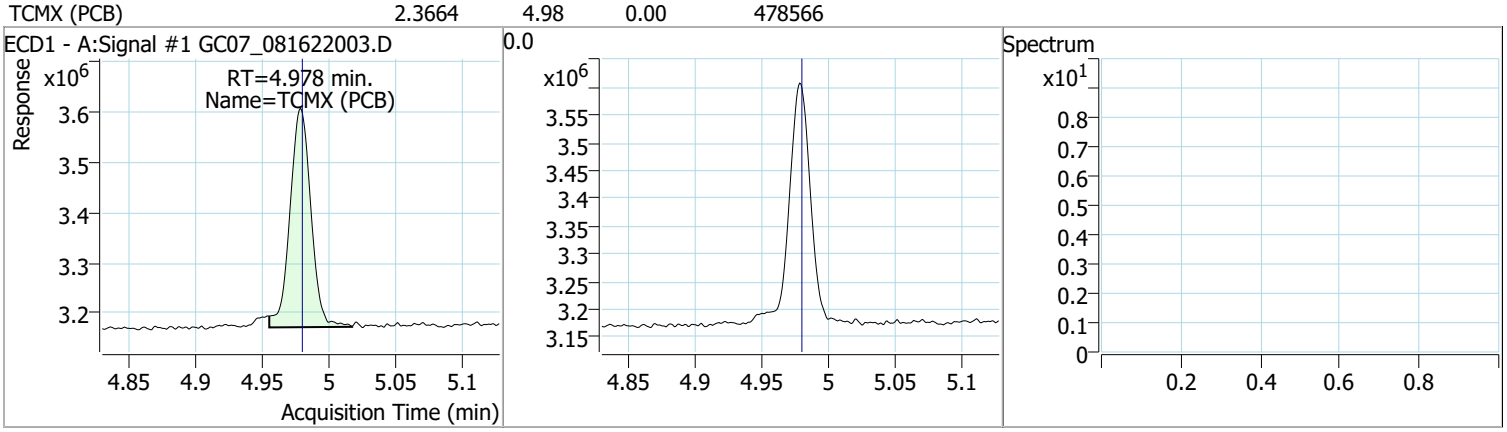


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.175	0.0	4507967.725	20.0000	ng/ml		0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.349	0.0	1688394.268	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	4.978	0.0	478566.362	2.3664	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 11.83%		*	
S TCMX (PCB) #2	5.287	0.0	160345.384	2.1286	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 10.64%		*	
S Decachlorobiphenyl (PCB)	12.402	0.0	445776.268	2.1017	ng/ml		0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 10.51%		*	
S Decachlorobiphenyl (PCB) #2	13.632	0.0	220546.459	2.1915	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 10.96%		*	
Target Compounds							QValue
T AR1016 1	5.324	0.0	249081.557	62.1458	ng/ml		100
T AR1016 2	5.663	0.0	507564.499	62.4044	ng/ml		100
T AR1016 1 #2	5.769	0.0	90495.518	56.8442	ng/ml		100

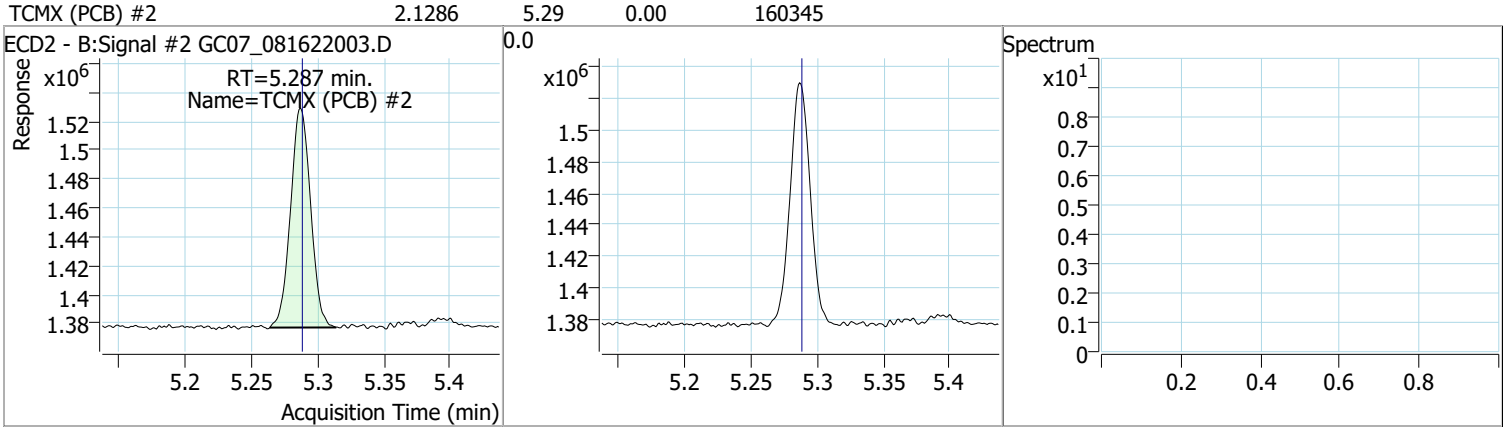
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 3	6.125	0.0	608410.222	62.3907	ng/ml		100
T AR1016 2 #2	6.192	0.0	186846.544	56.6816	ng/ml		100
T AR1016 4	6.260	0.0	398454.987	62.1126	ng/ml		100
T AR1016 5	6.718	0.0	350214.920	62.0505	ng/ml		100
T AR1016 3 #2	6.732	0.0	235196.682	58.5323	ng/ml		100
T AR1016 4 #2	6.903	0.0	161588.954	56.7723	ng/ml		100
T AR1016 5 #2	7.587	0.0	130380.618	57.6770	ng/ml		100
T AR1260 1	8.603	0.0	712276.811	62.3962	ng/ml		100
T AR1260 2	9.198	0.0	1054449.822	62.2148	ng/ml		100
T AR1260 3	9.747	0.0	1119646.476	61.3311	ng/ml		100
T AR1260 1 #2	10.058	0.0	267344.260	58.3545	ng/ml	m	100
T AR1260 4	10.330	0.0	510277.298	59.5095	ng/ml		100
T AR1260 2 #2	10.373	0.0	324844.428	58.9606	ng/ml		100
T AR1260 5	10.757	0.0	1114671.739	61.0036	ng/ml		100
T AR1260 3 #2	10.858	0.0	427526.950	58.7256	ng/ml		100
T AR1260 4 #2	11.318	0.0	229862.072	57.7220	ng/ml		100
T AR1260 5 #2	11.588	0.0	454246.187	57.7733	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

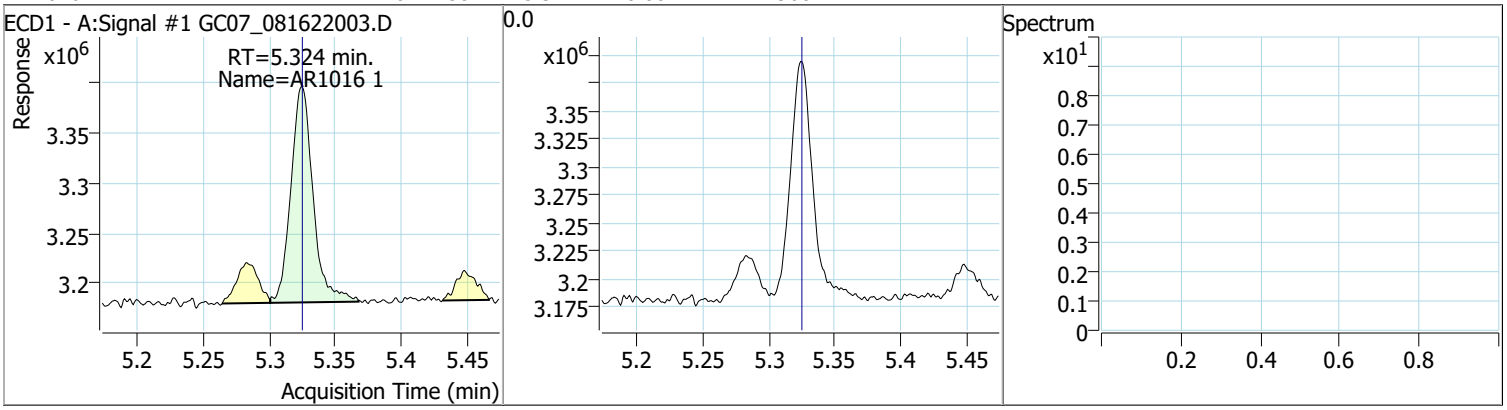
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	2.3664	4.98	0.00	478566				



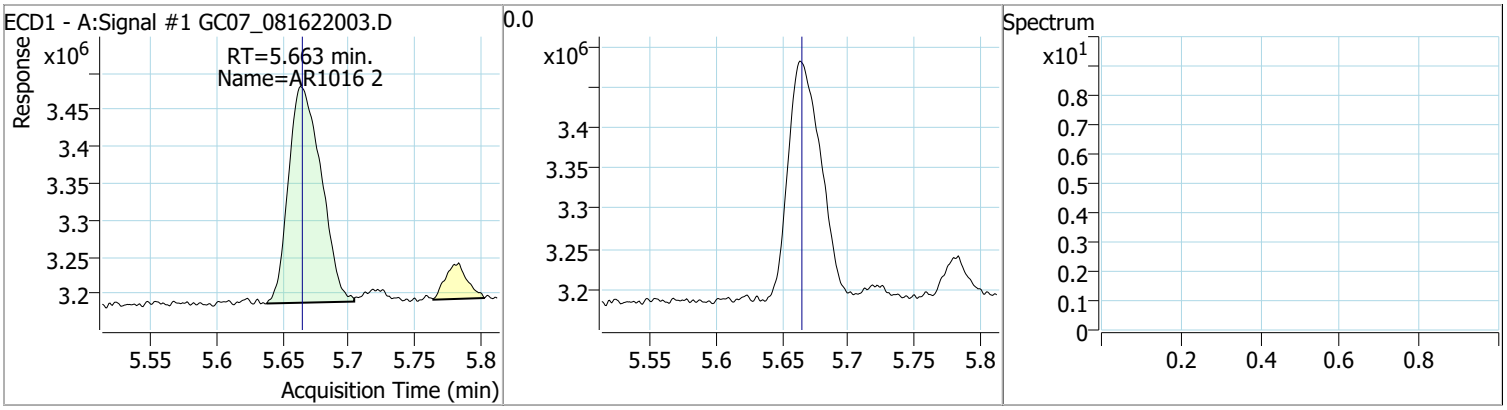
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	2.1286	5.29	0.00	160345				



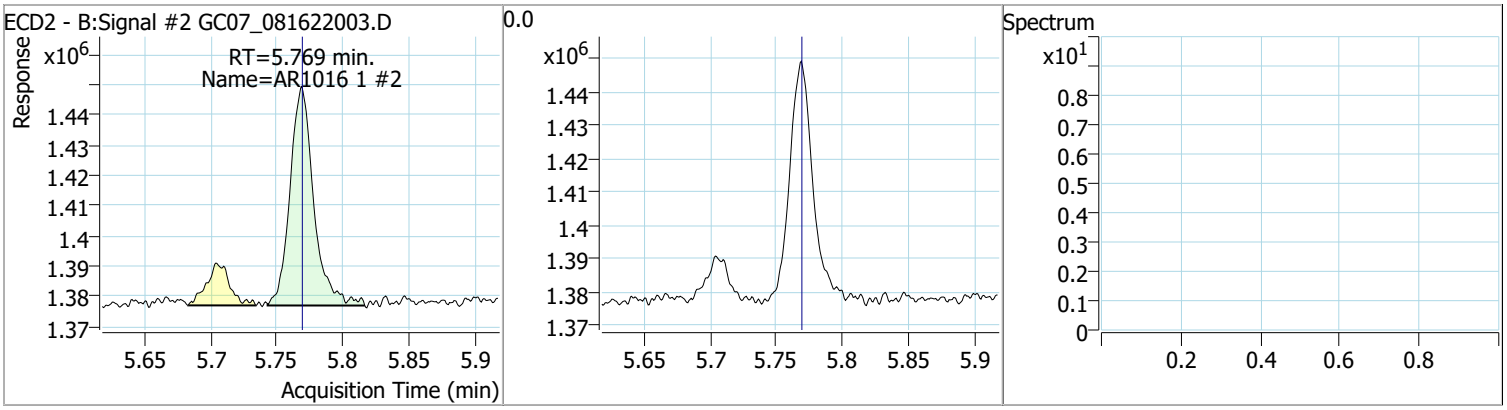
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	62.1458	5.32	0.00	249082				



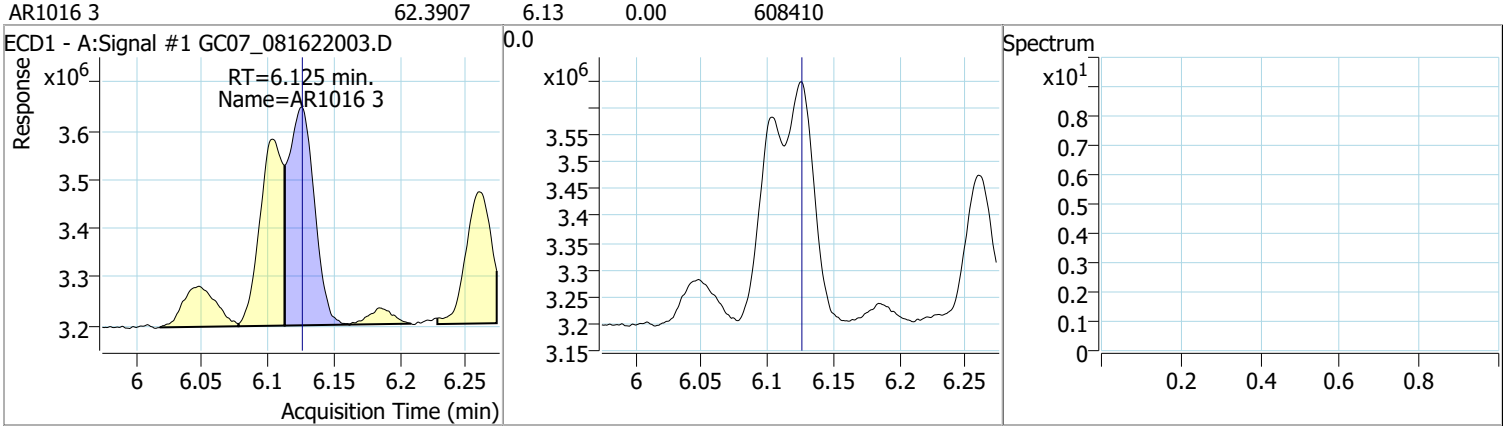
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	62.4044	5.66	0.00	507564				



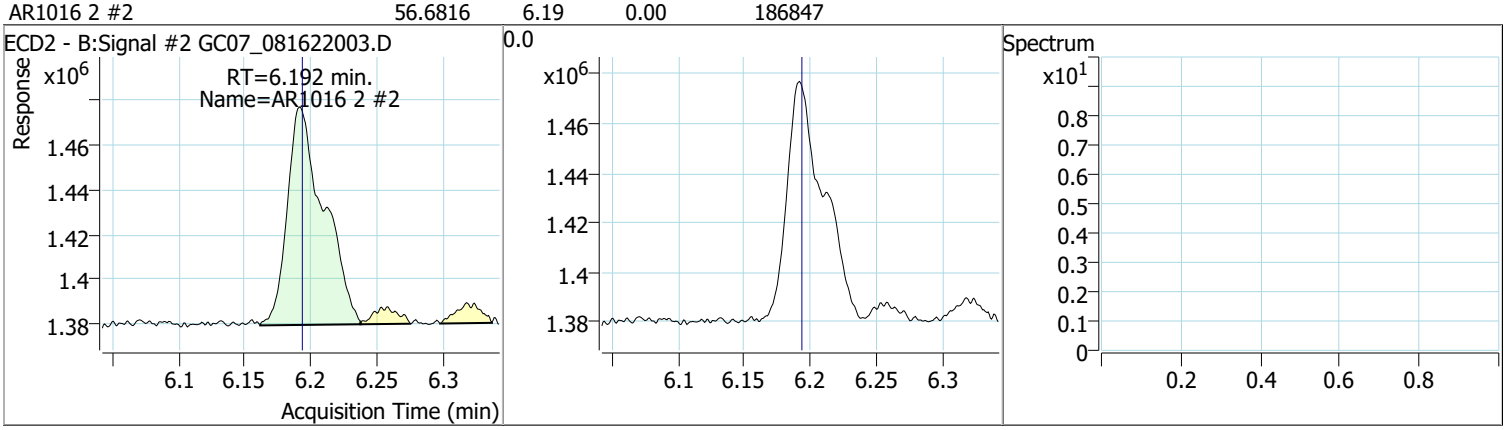
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	56.8442	5.77	0.00	90496				



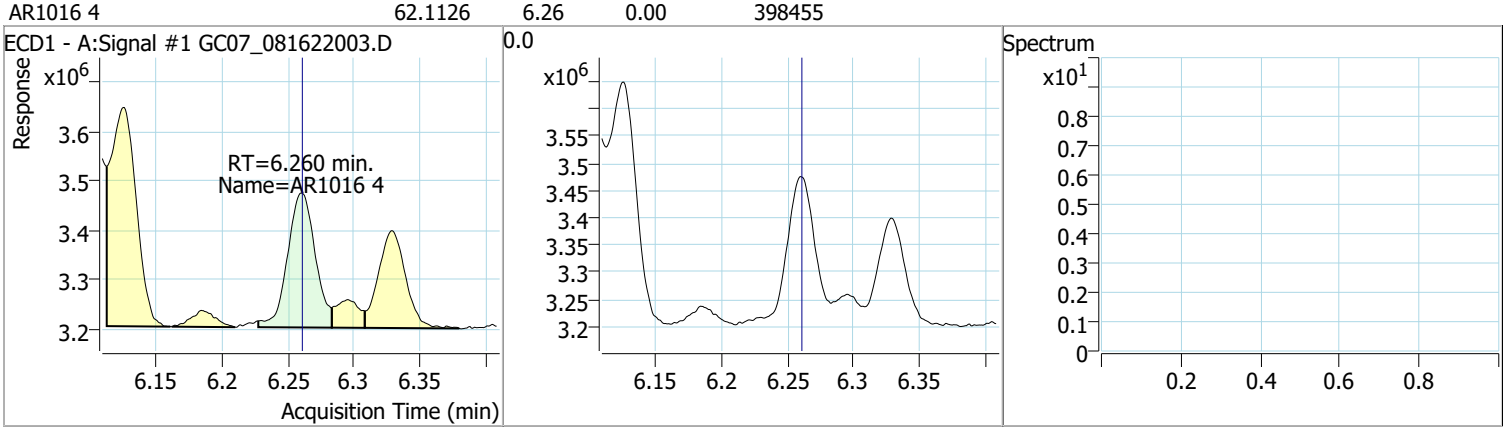
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	62.3907	6.13	0.00	608410				



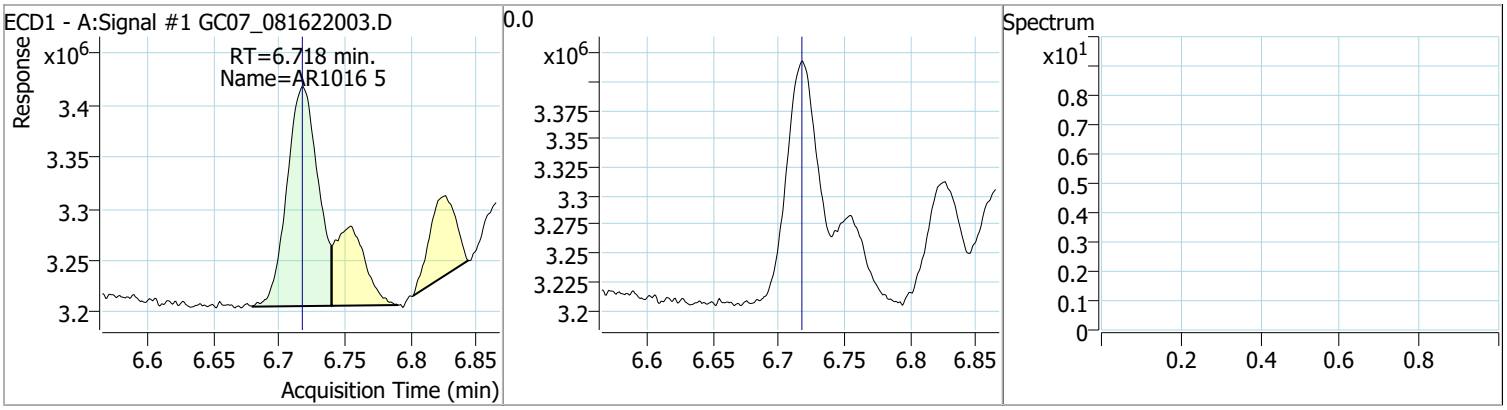
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	56.6816	6.19	0.00	186847				



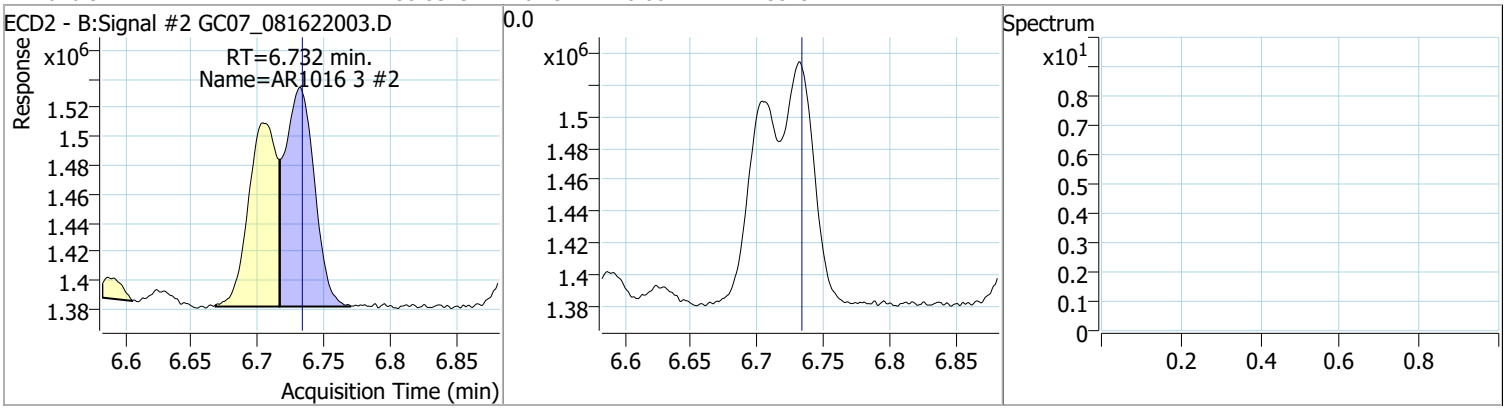
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	62.1126	6.26	0.00	398455				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	62.0505	6.72	0.00	350215				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	58.5323	6.73	0.00	235197				



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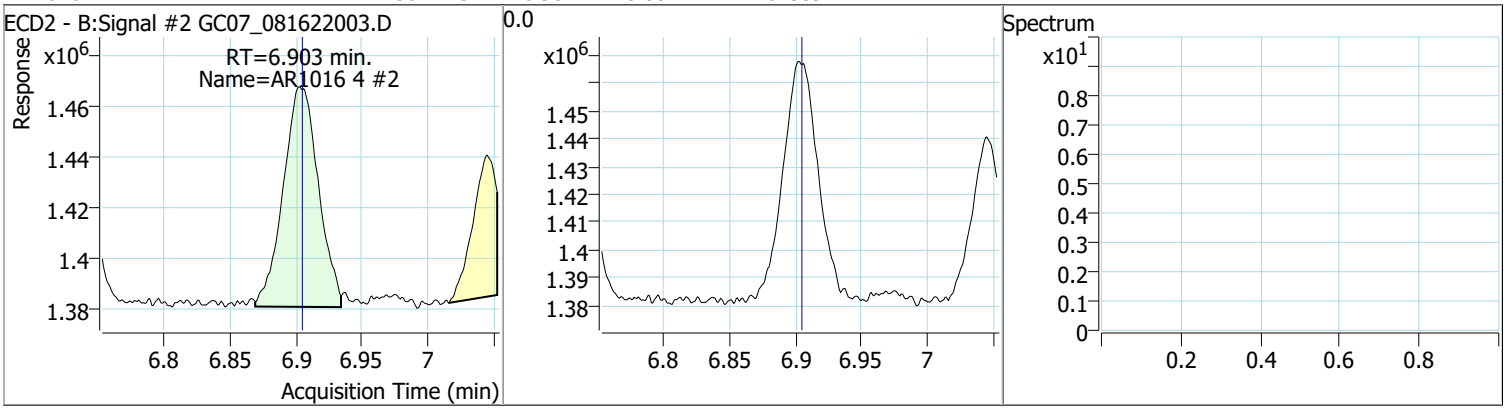
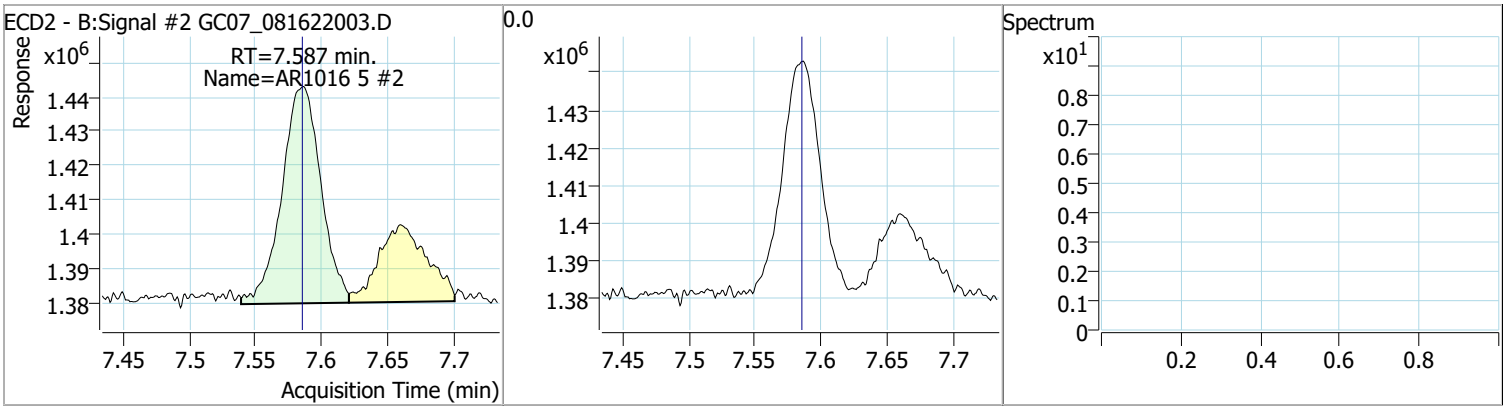
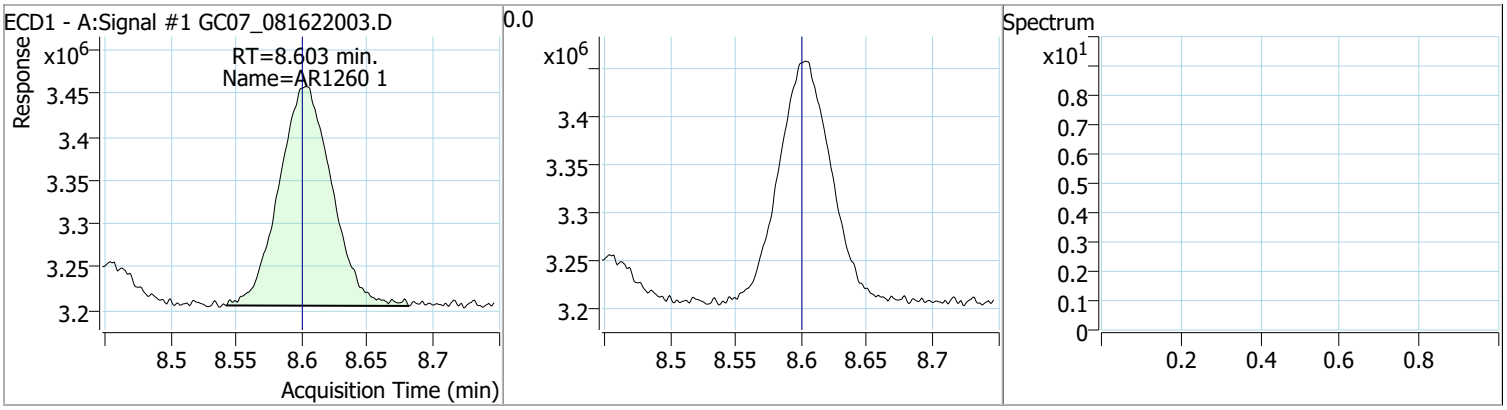
AR1016 4 #2	56.7723	6.90	0.00	161589				



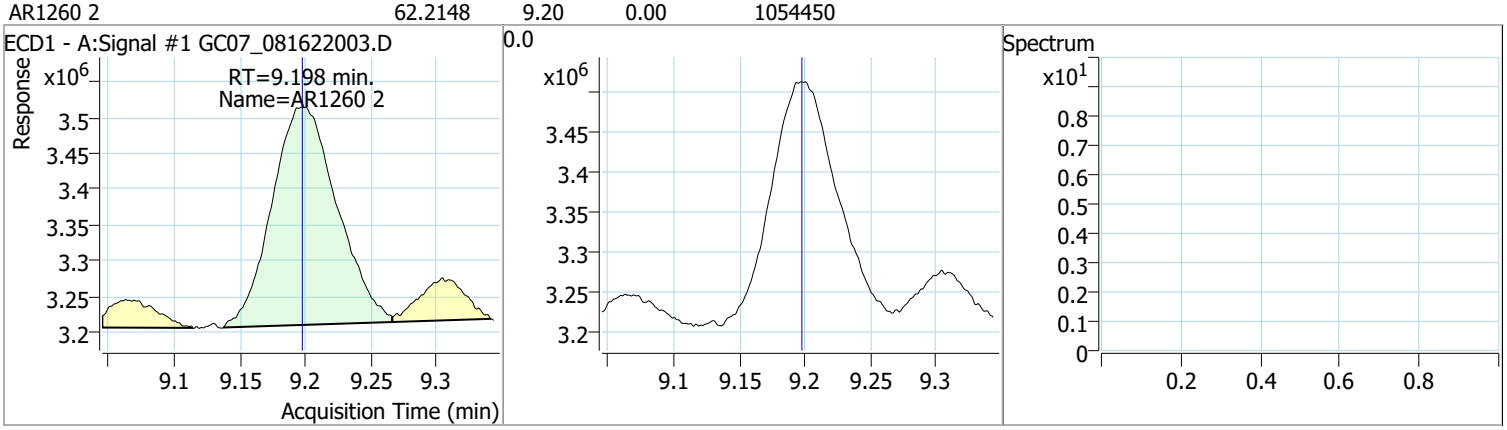
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	57.6770	7.59	0.00	130381				



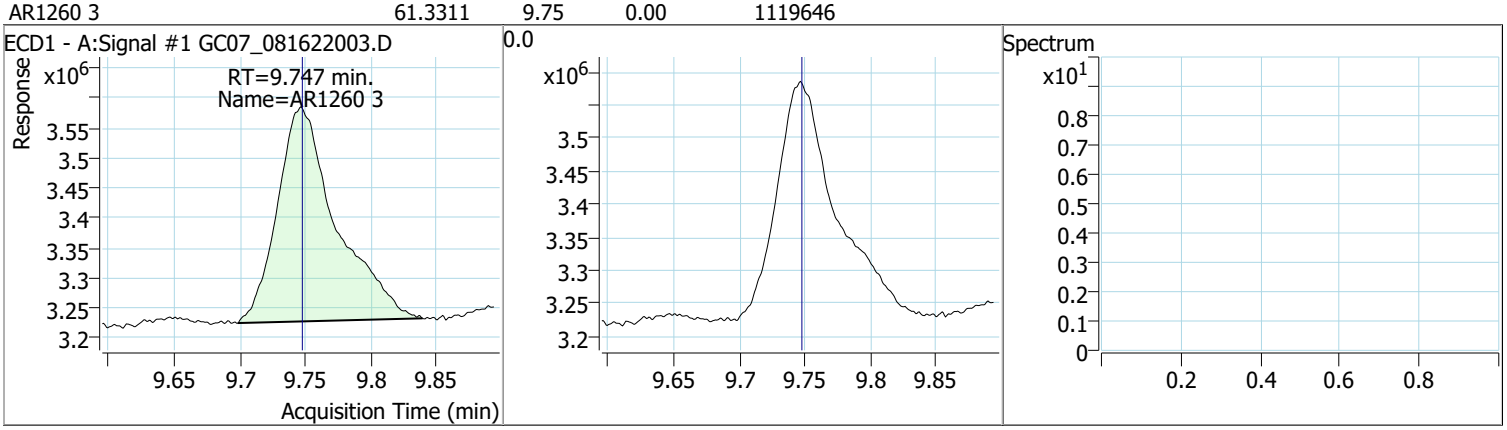
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	62.3962	8.60	0.01	712277				



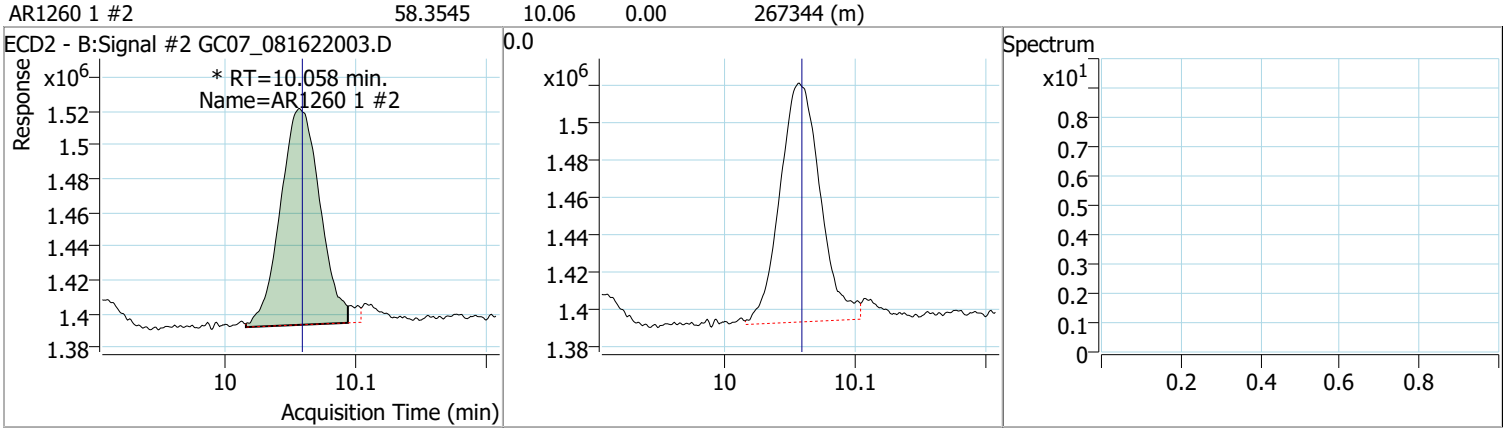
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	62.2148	9.20	0.00	1054450				



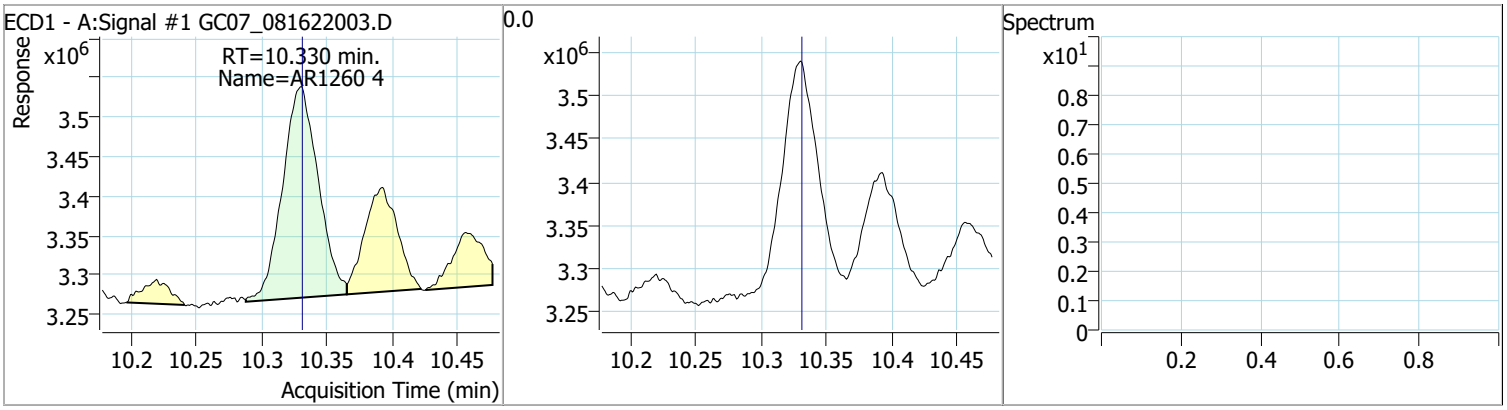
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	61.3311	9.75	0.00	1119646				



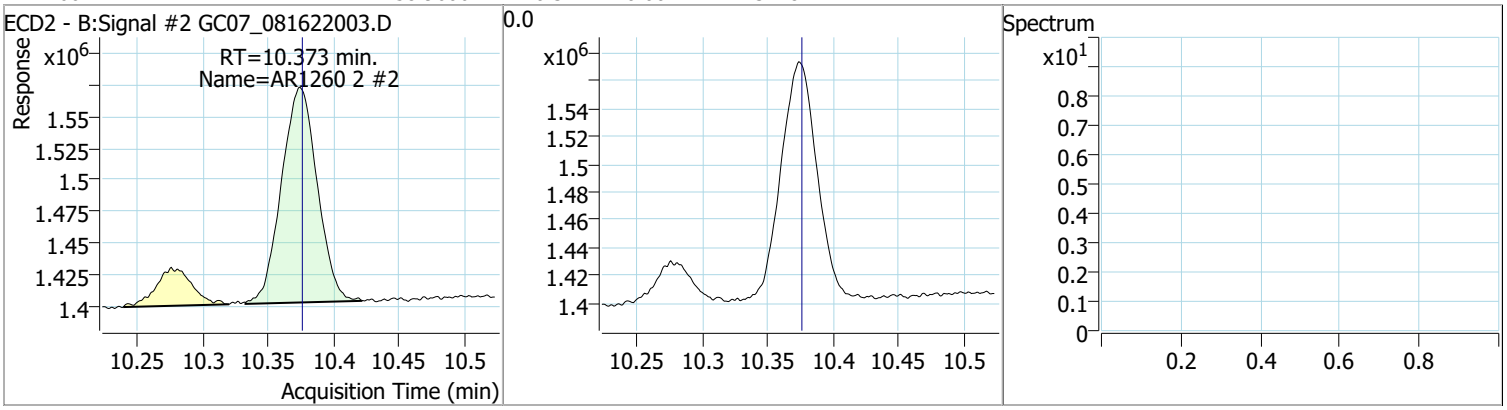
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	58.3545	10.06	0.00	267344 (m)				



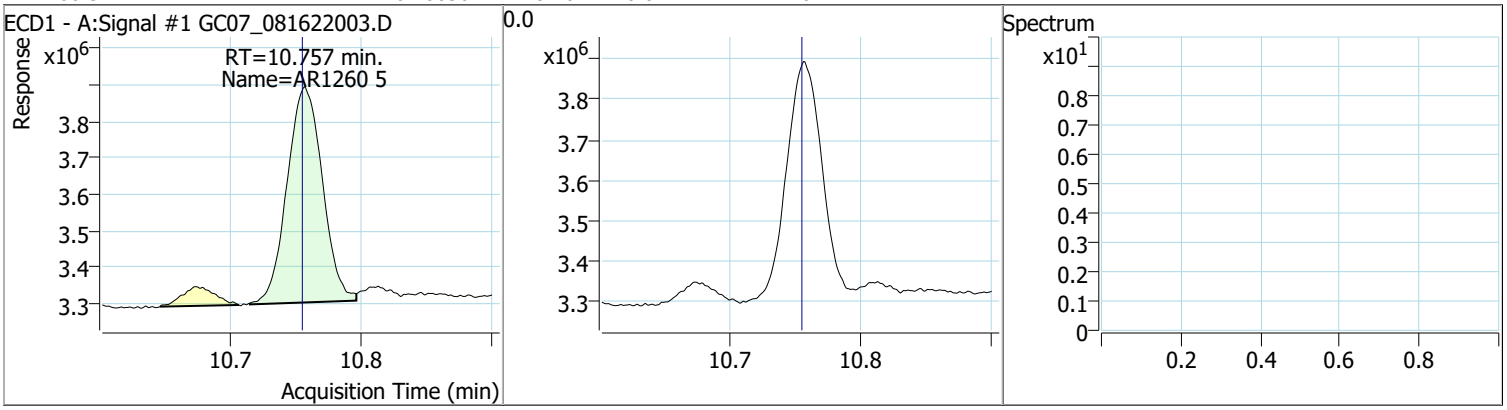
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	59.5095	10.33	0.00	510277				



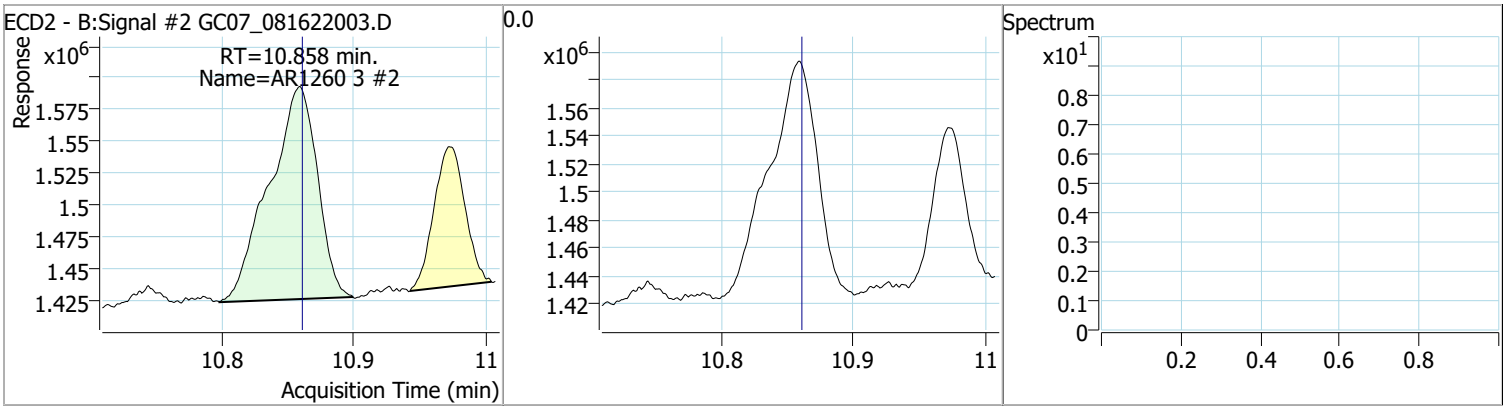
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	58.9606	10.37	0.00	324844				



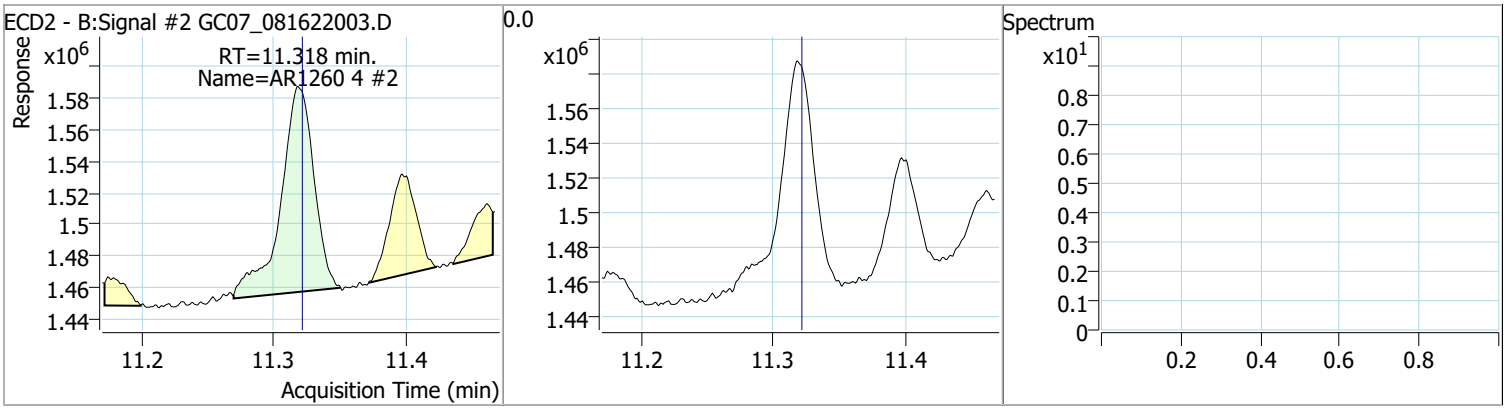
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	61.0036	10.76	0.01	1114672				



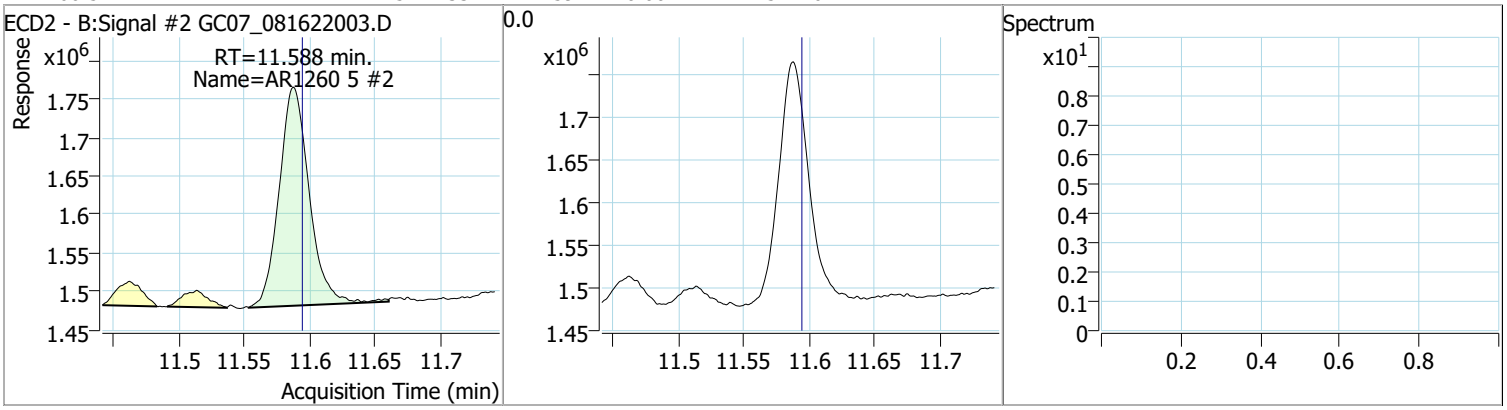
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	58.7256	10.86	0.00	427527				



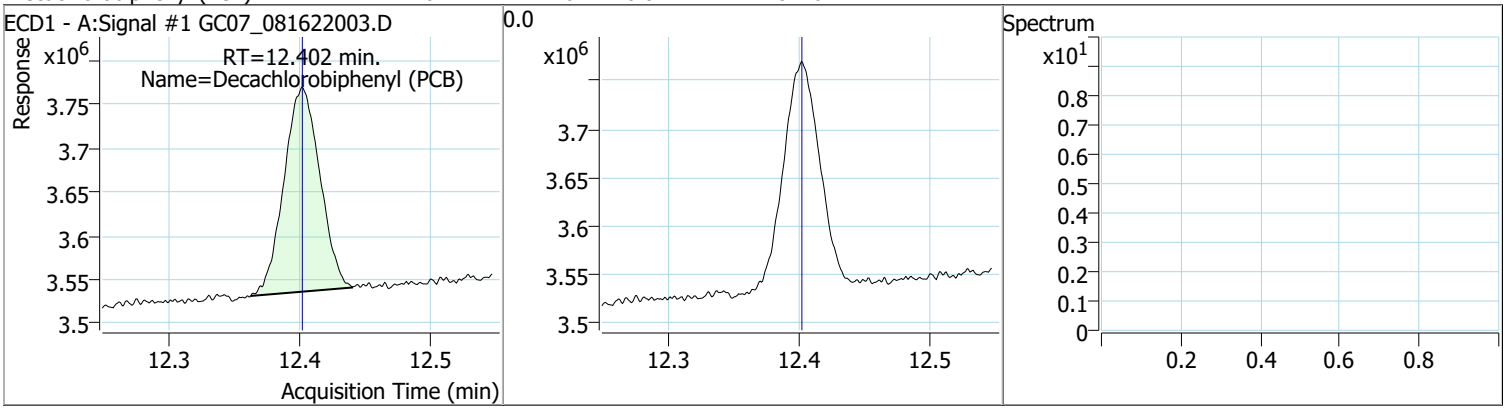
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	57.7220	11.32	0.00	229862				



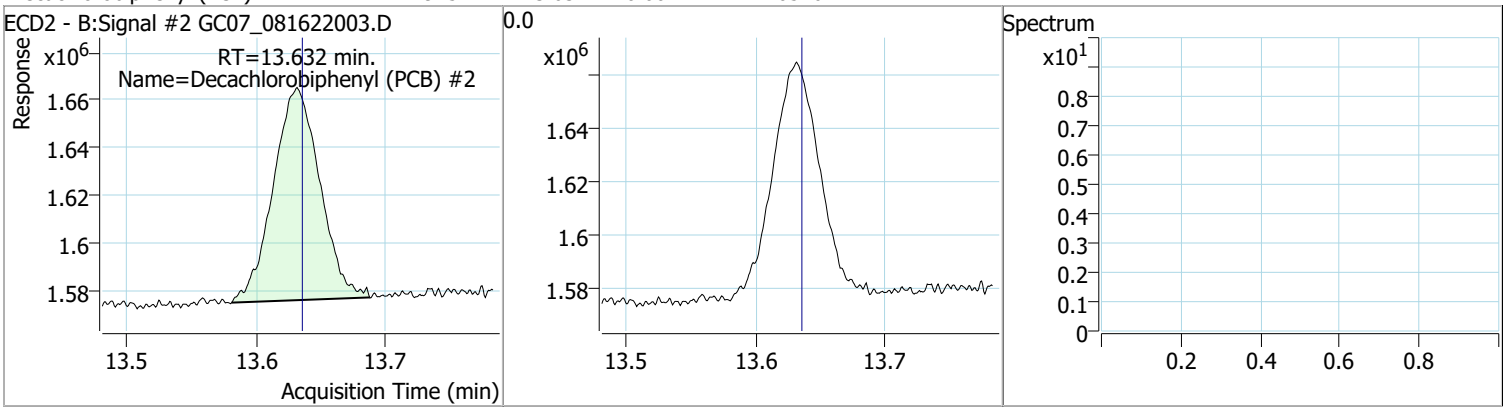
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	57.7733	11.59	0.00	454246				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	2.1017	12.40	0.01	445776				

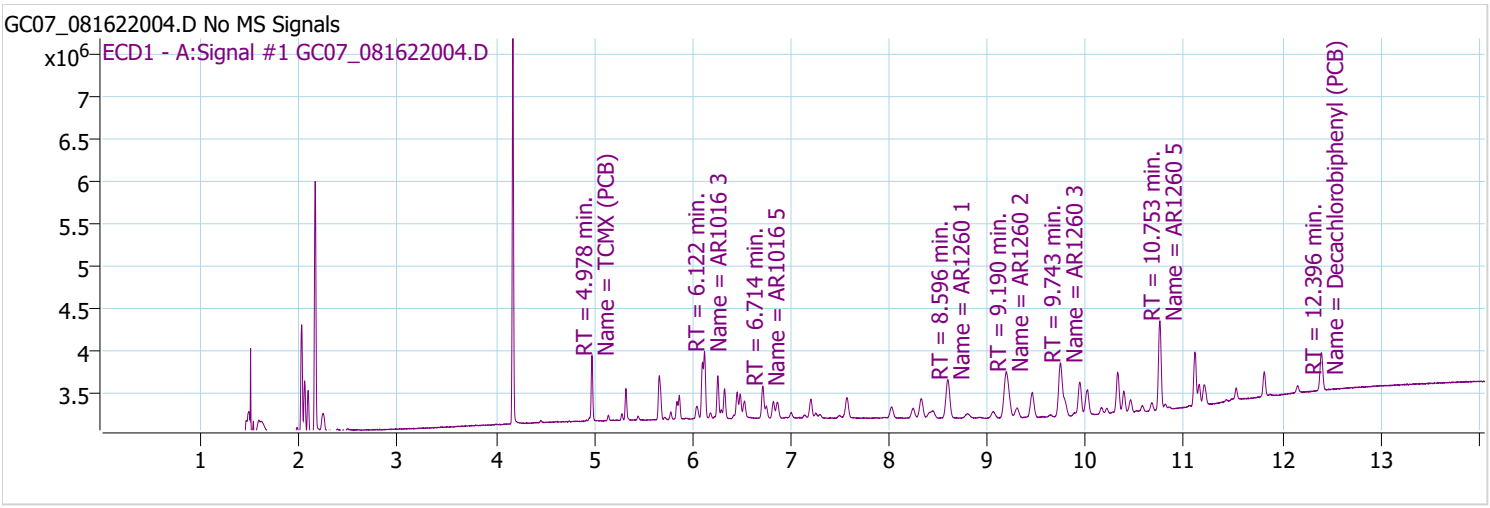


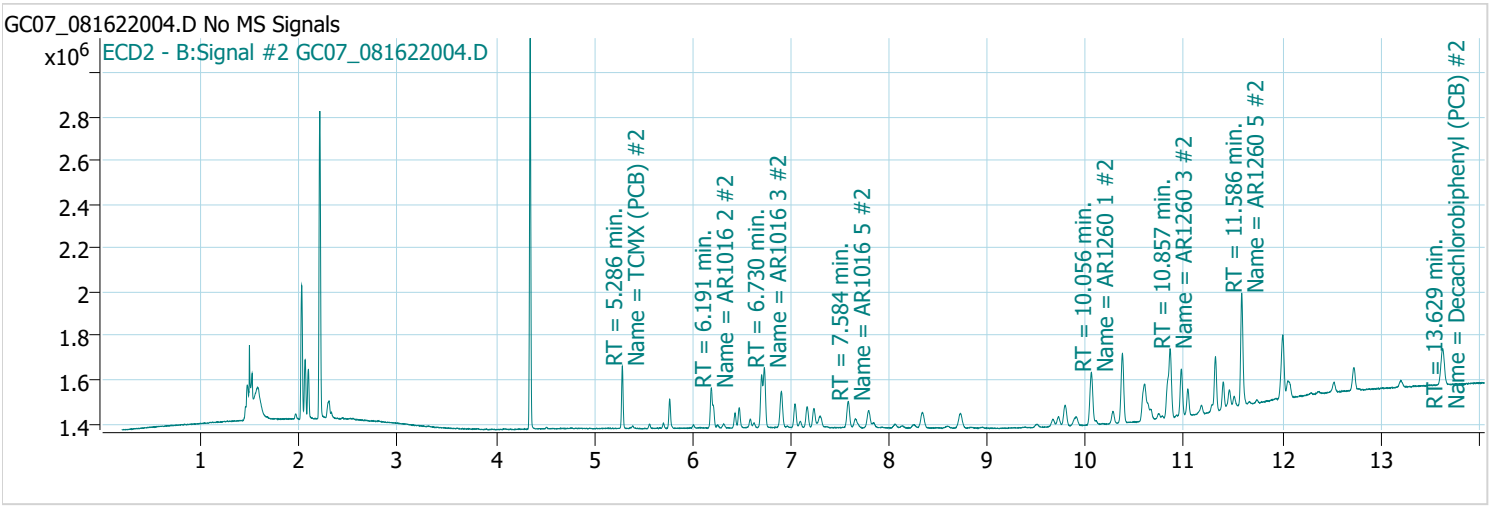
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	2.1915	13.63	0.00	220546				



Quantitation Results Report (Not Reviewed)

Data File	GC07_081622004.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	8/16/2022 7:55:55 PM
Sample Name	ICAL, S16726, 20	Instrument	SVOA-GC07
Vial	33	Multiplier	1.00
DA Method File	PCB_608_081622_GC07_2.m	Comment	100 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	081622PCBICAL.batch.bin	Last Calib Update	8/18/2022 11:24:04 AM
Ref Library			



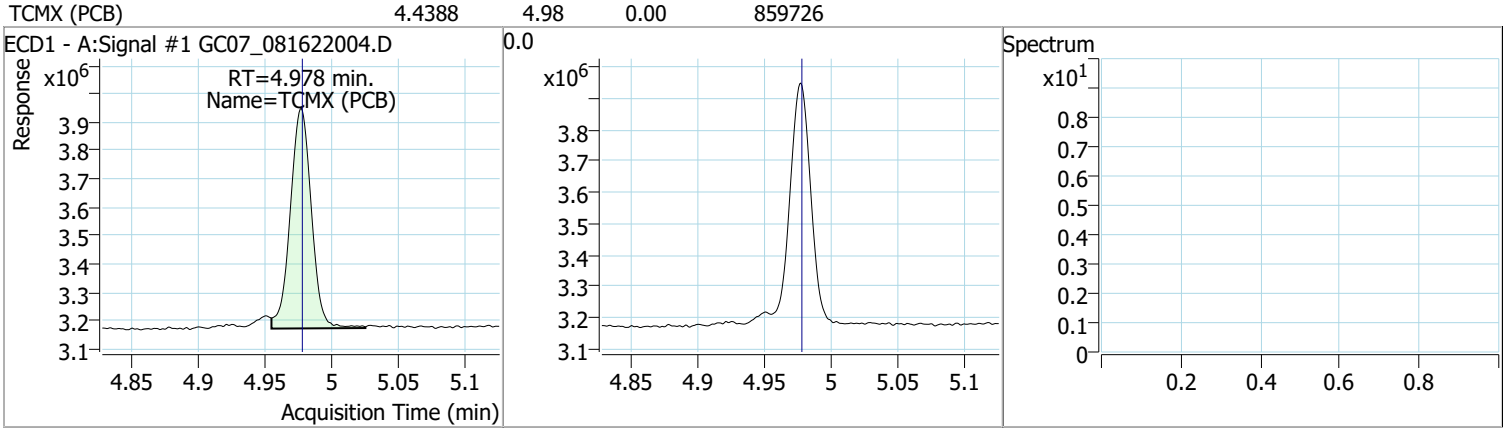


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.173	0.0	4317386.900	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.348	0.0	1617138.156	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.978	0.0	859726.445	4.4388	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 22.19%		*	
S TCMX (PCB) #2	5.286	0.0	308605.706	4.2773	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 21.39%		*	
S Decachlorobiphenyl (PCB)	12.396	0.0	881959.406	4.3417	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 21.71%		*	
S Decachlorobiphenyl (PCB) #2	13.629	0.0	422059.863	4.3786	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 21.89%		*	
Target Compounds							QValue
T AR1016 1	5.323	0.0	446346.721	116.2793	ng/ml		100
T AR1016 2	5.663	0.0	916002.292	117.5927	ng/ml		100
T AR1016 1 #2	5.768	0.0	165853.764	108.7705	ng/ml		100

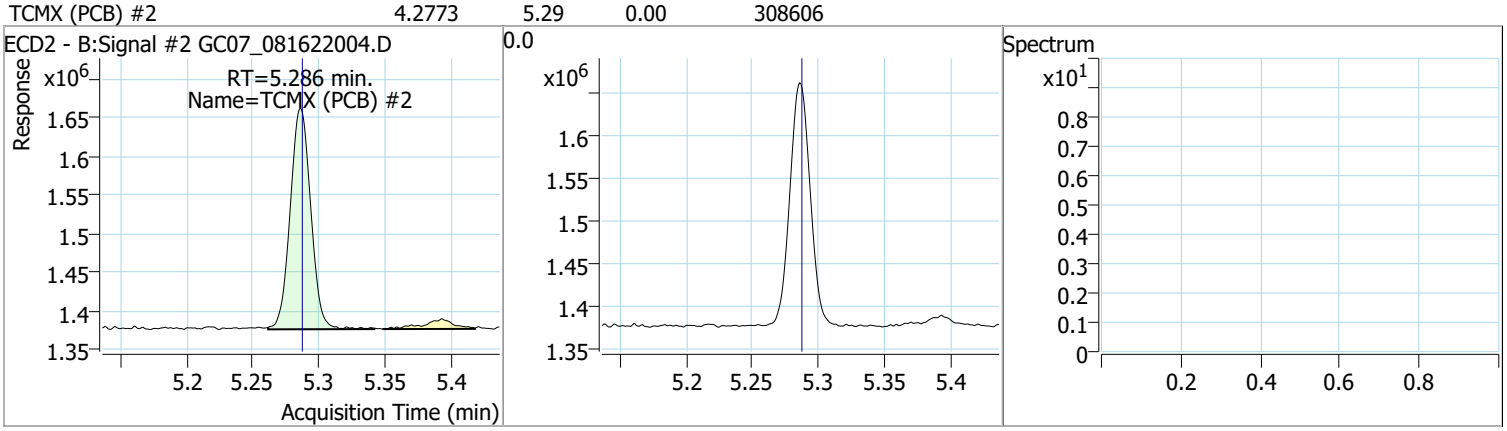
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 3	6.122	0.0	1075873.679	115.1978	ng/ml		100
T AR1016 2 #2	6.191	0.0	355220.779	112.5076	ng/ml		100
T AR1016 4	6.258	0.0	703091.148	114.4384	ng/ml		100
T AR1016 5	6.714	0.0	647150.100	119.7224	ng/ml		100
T AR1016 3 #2	6.730	0.0	463557.701	120.4467	ng/ml		100
T AR1016 4 #2	6.903	0.0	309998.441	113.7133	ng/ml		100
T AR1016 5 #2	7.584	0.0	240803.020	111.2188	ng/ml		100
T AR1260 1	8.596	0.0	1283602.973	117.4086	ng/ml		100
T AR1260 2	9.190	0.0	1934906.459	119.2031	ng/ml		100
T AR1260 3	9.743	0.0	2075365.165	118.7010	ng/ml		100
T AR1260 1 #2	10.056	0.0	507670.459	115.6944	ng/ml	m	100
T AR1260 4	10.323	0.0	939349.242	114.3844	ng/ml		100
T AR1260 2 #2	10.372	0.0	627513.514	118.9149	ng/ml		100
T AR1260 5	10.753	0.0	2024104.182	115.6648	ng/ml		100
T AR1260 3 #2	10.857	0.0	795644.211	114.1063	ng/ml		100
T AR1260 4 #2	11.318	0.0	446287.162	117.0080	ng/ml	m	100
T AR1260 5 #2	11.586	0.0	847140.863	112.4911	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

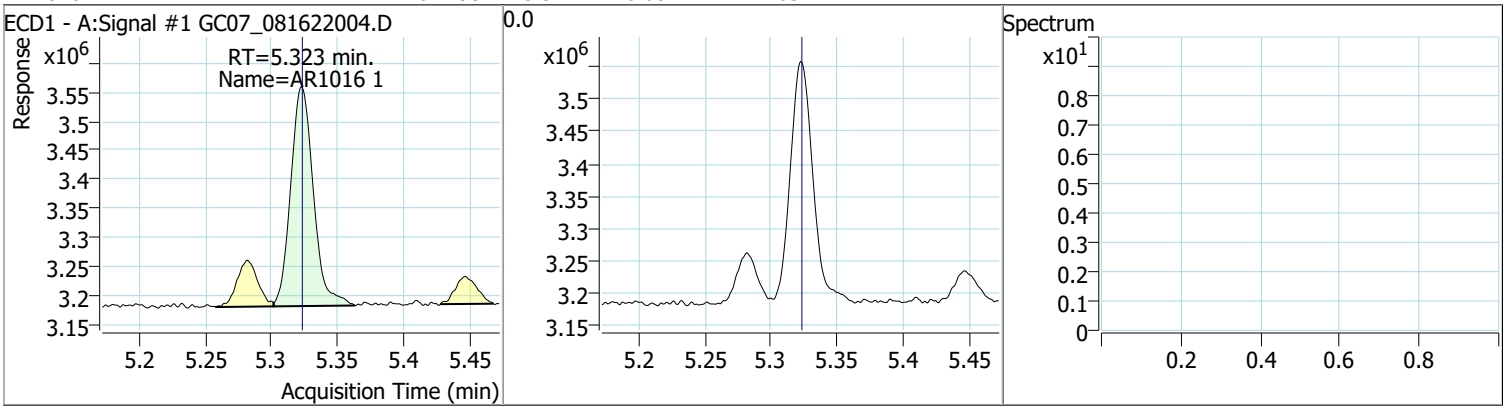
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	4.4388	4.98	0.00	859726				



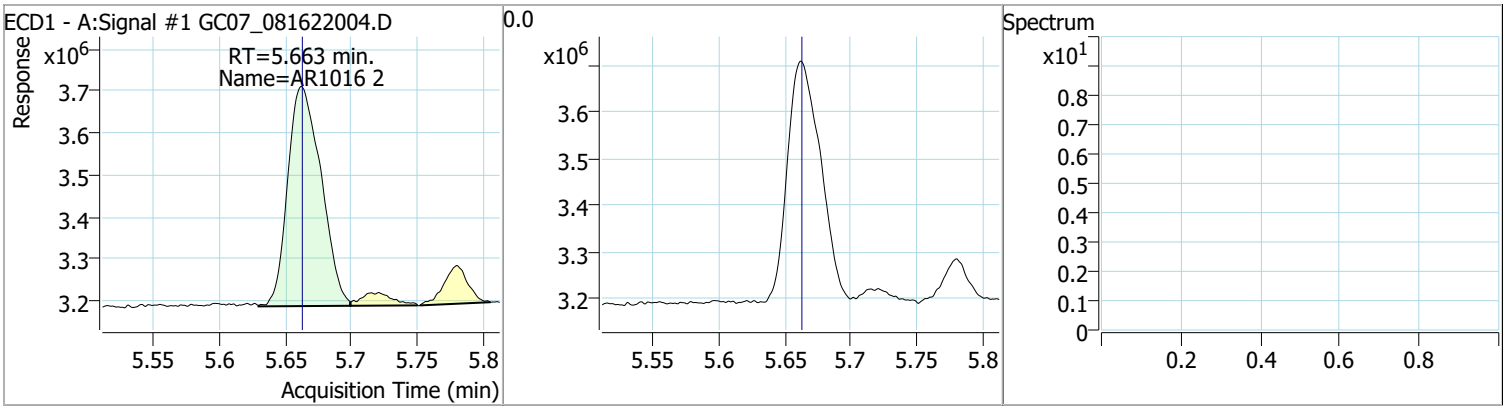
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	4.2773	5.29	0.00	308606				



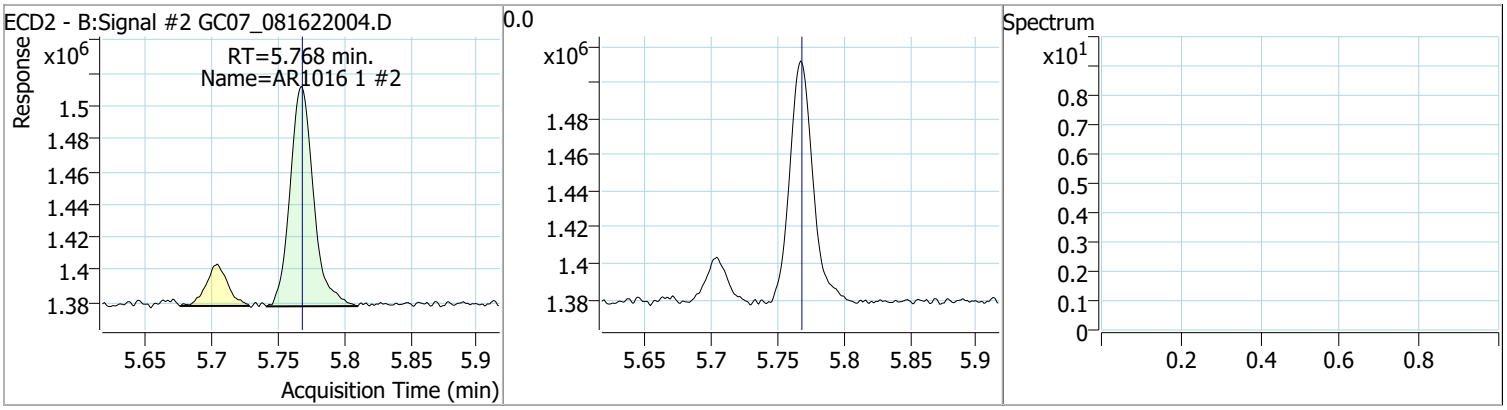
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	116.2793	5.32	0.00	446347				



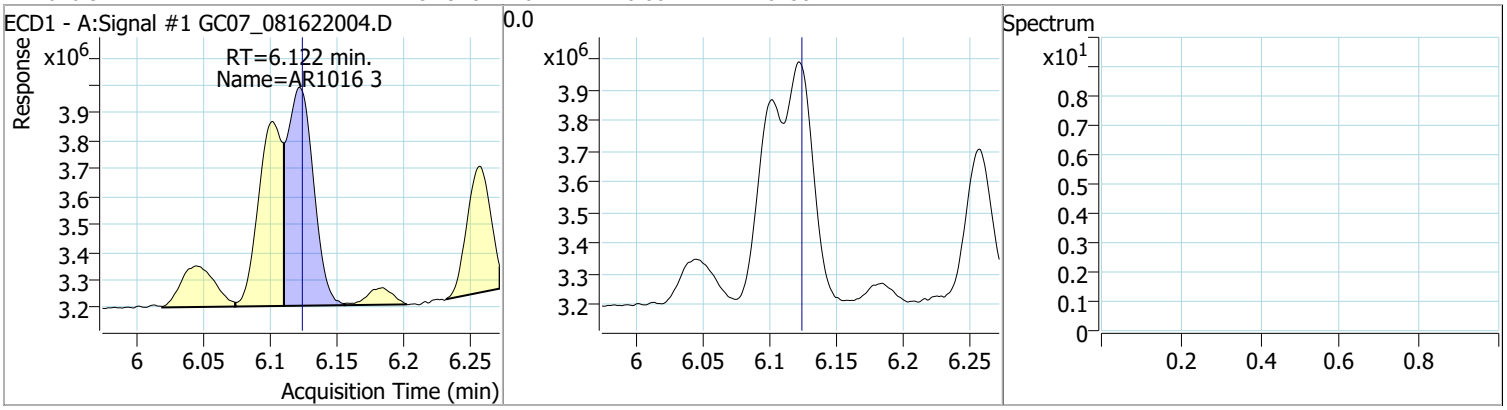
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	117.5927	5.66	0.00	916002				



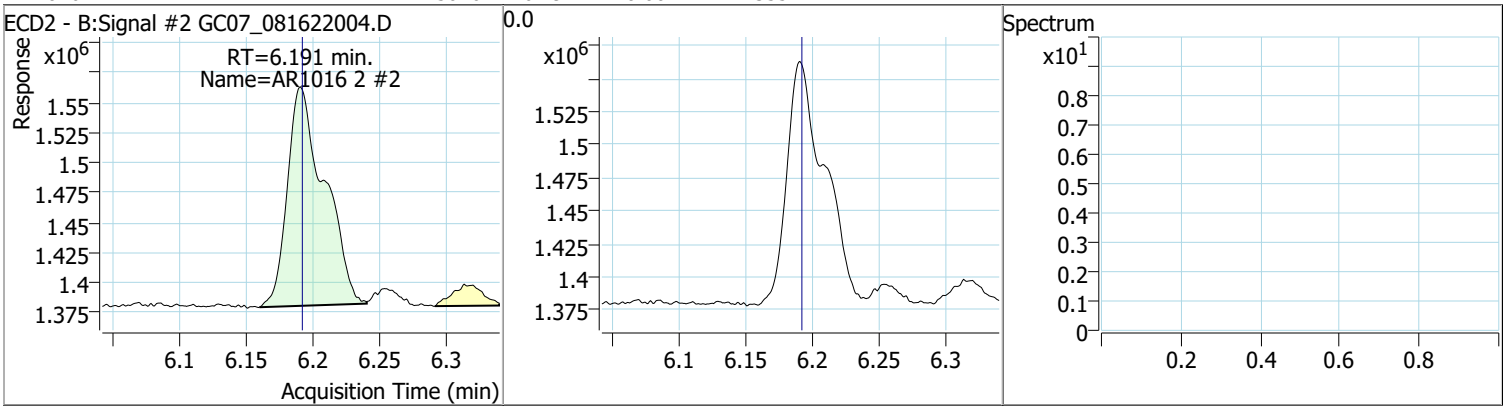
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	108.7705	5.77	0.00	165854				



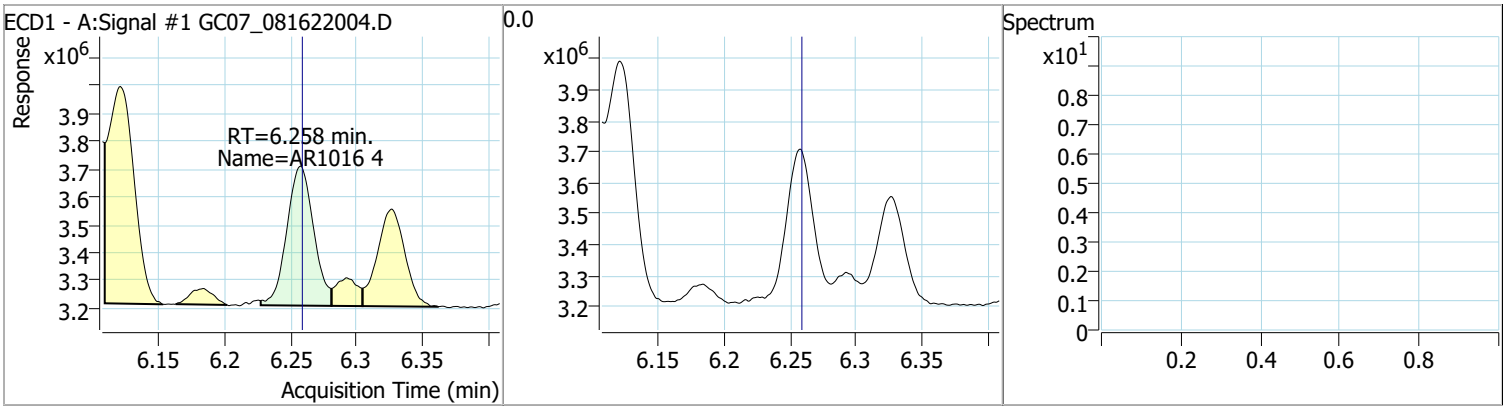
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	115.1978	6.12	0.00	1075874				



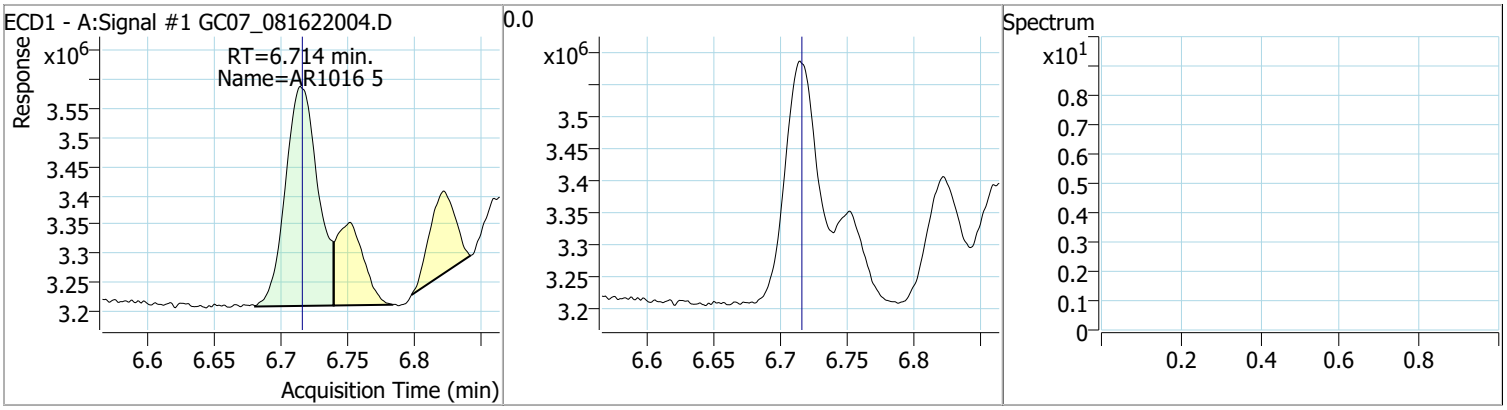
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	112.5076	6.19	0.00	355221				



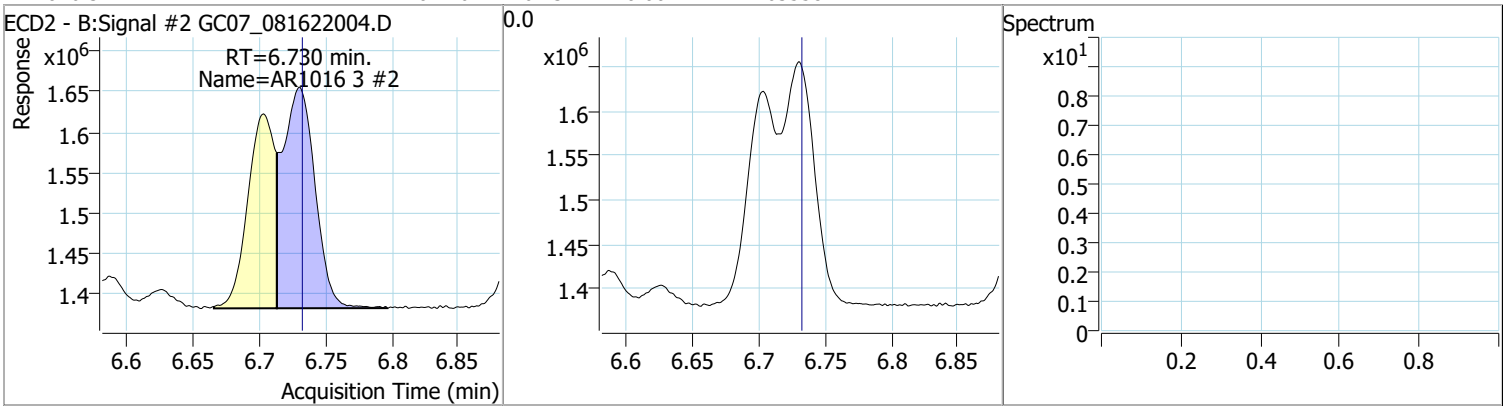
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	114.4384	6.26	0.00	703091				



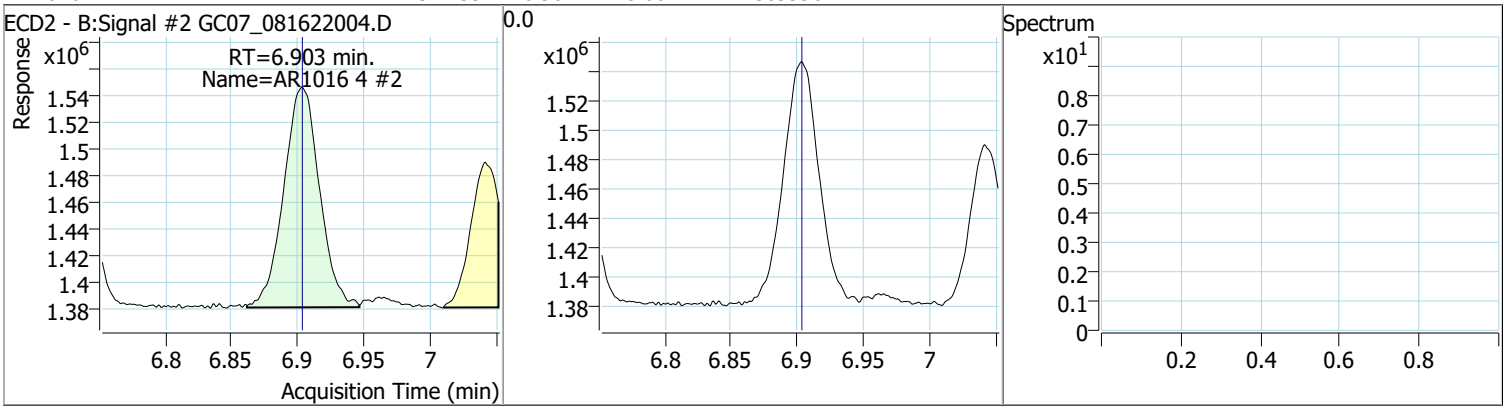
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	119.7224	6.71	0.00	647150				



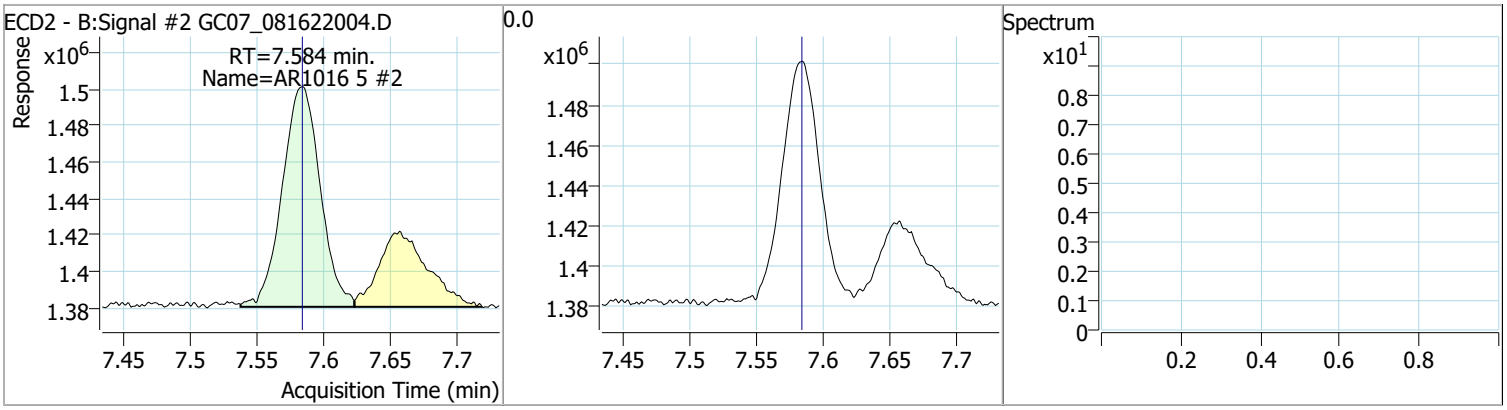
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	120.4467	6.73	0.00	463558				



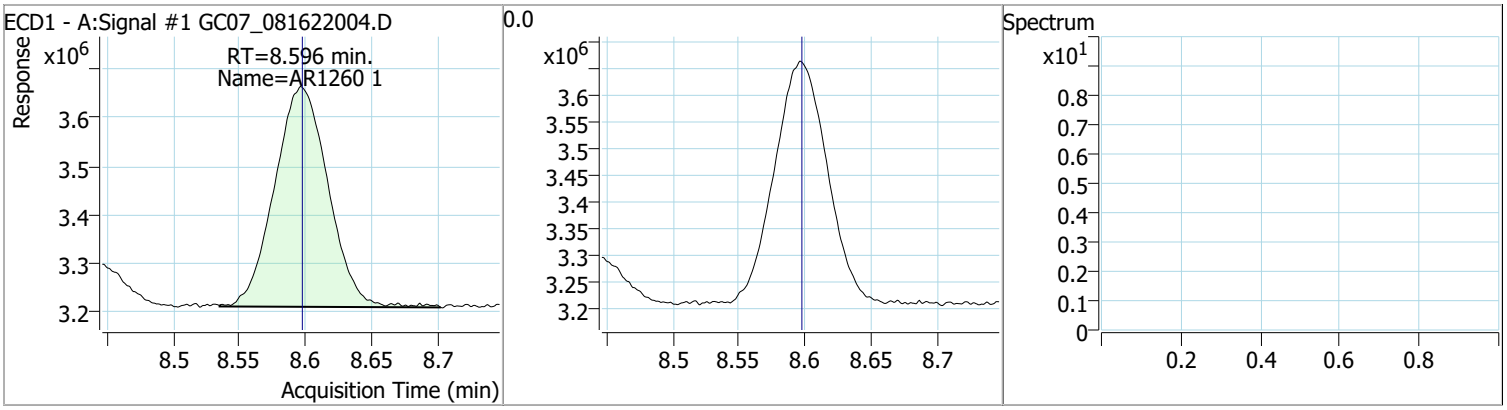
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	113.7133	6.90	0.00	309998				



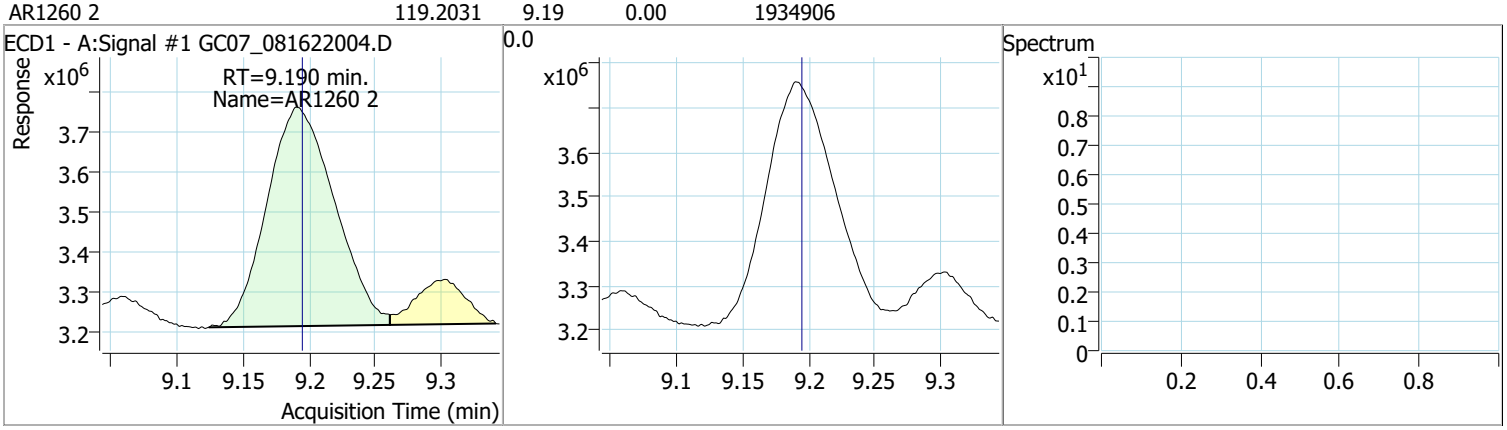
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	111.2188	7.58	0.00	240803				



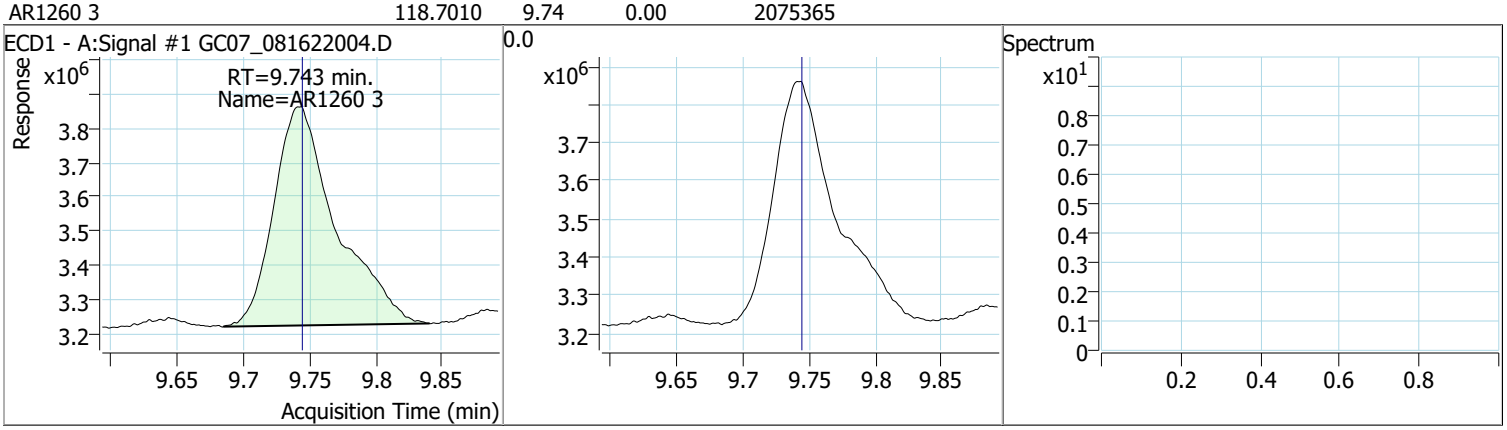
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	117.4086	8.60	0.00	1283603				



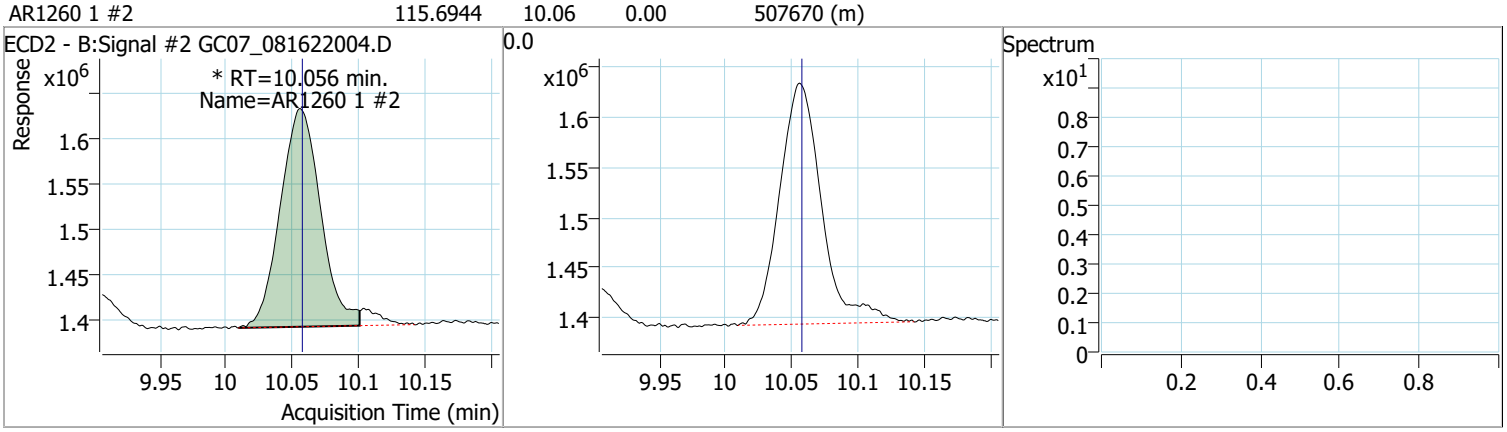
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	119.2031	9.19	0.00	1934906				



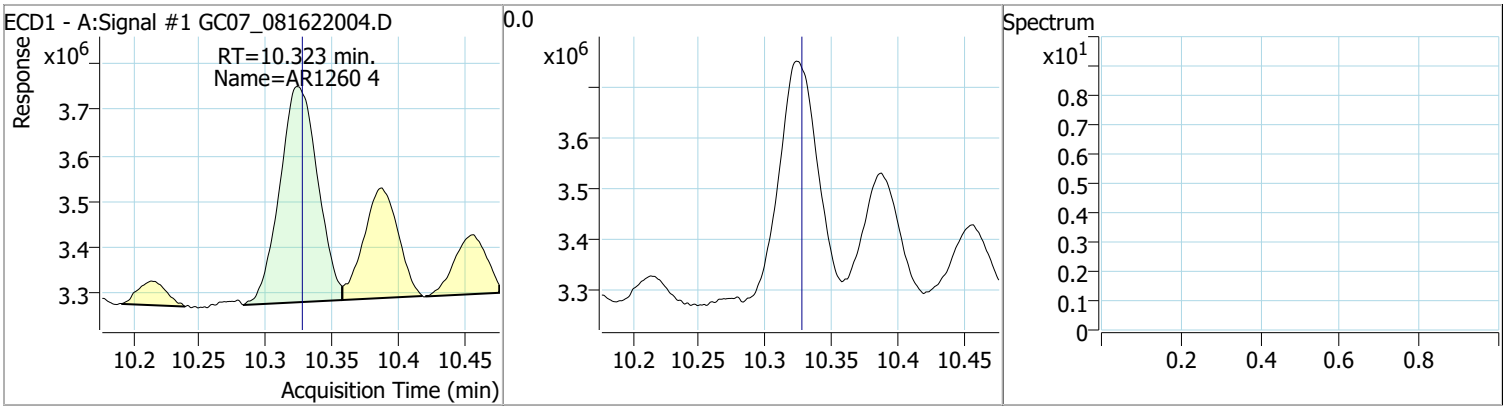
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	118.7010	9.74	0.00	2075365				



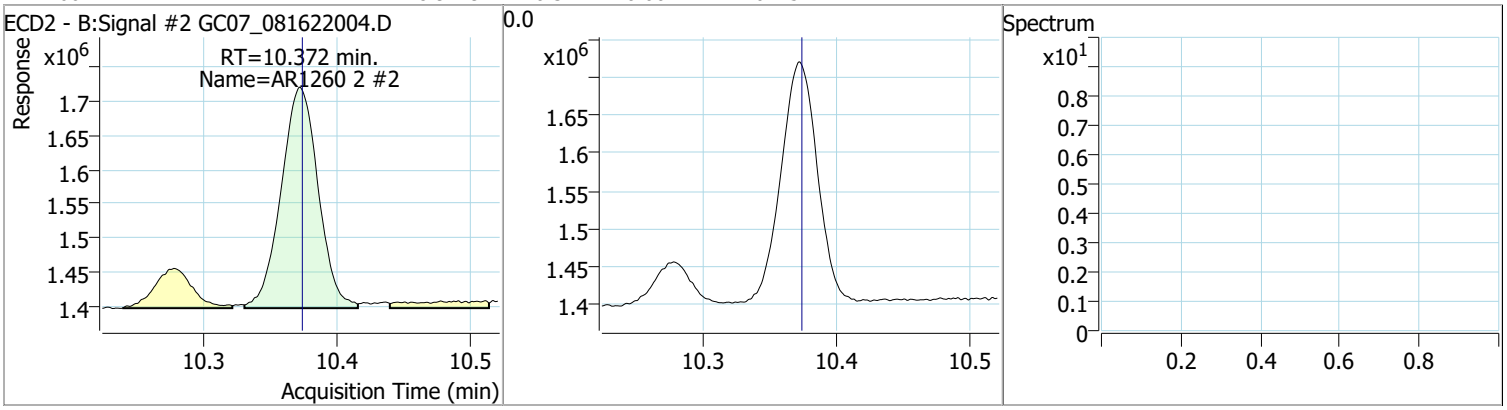
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	115.6944	10.06	0.00	507670 (m)				



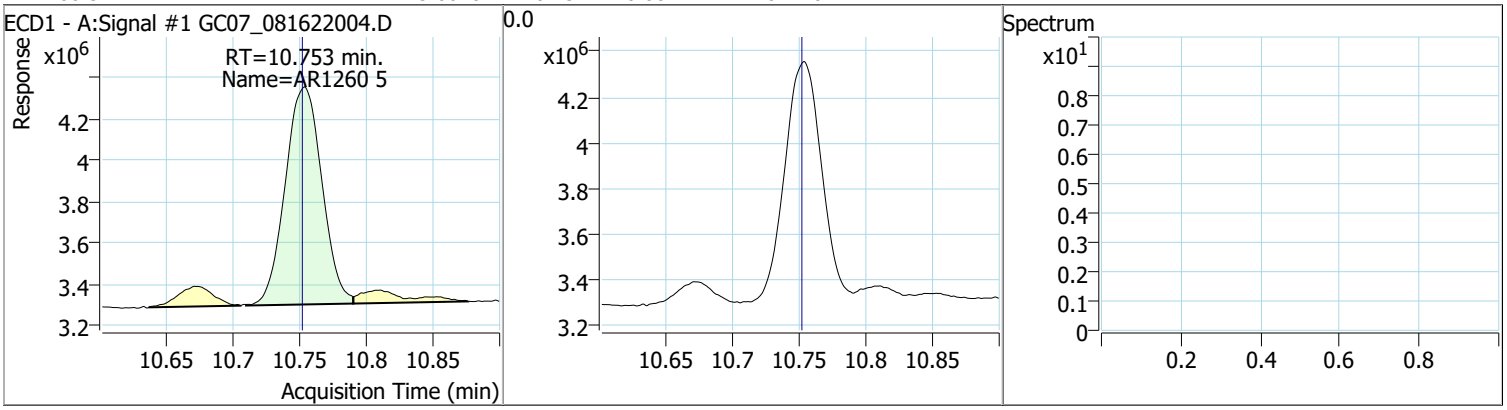
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	114.3844	10.32	0.00	939349				



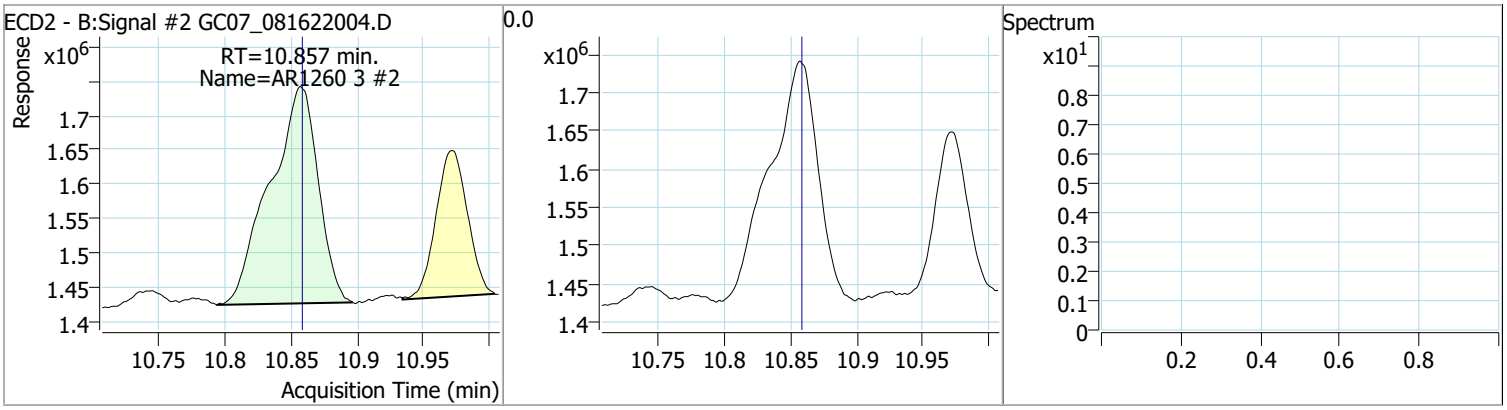
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	118.9149	10.37	0.00	627514				



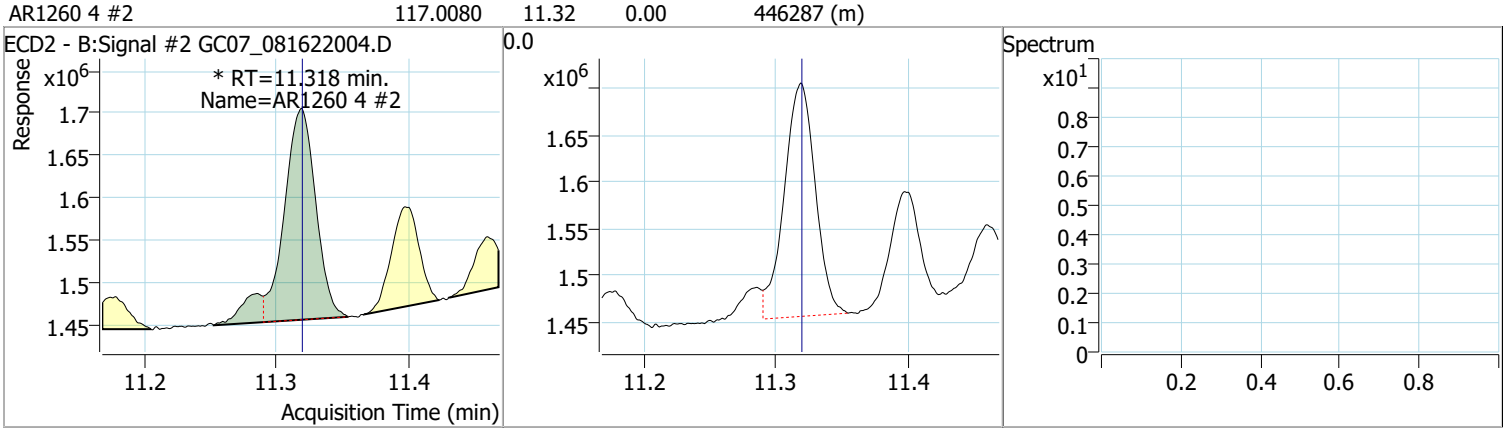
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	115.6648	10.75	0.00	2024104				



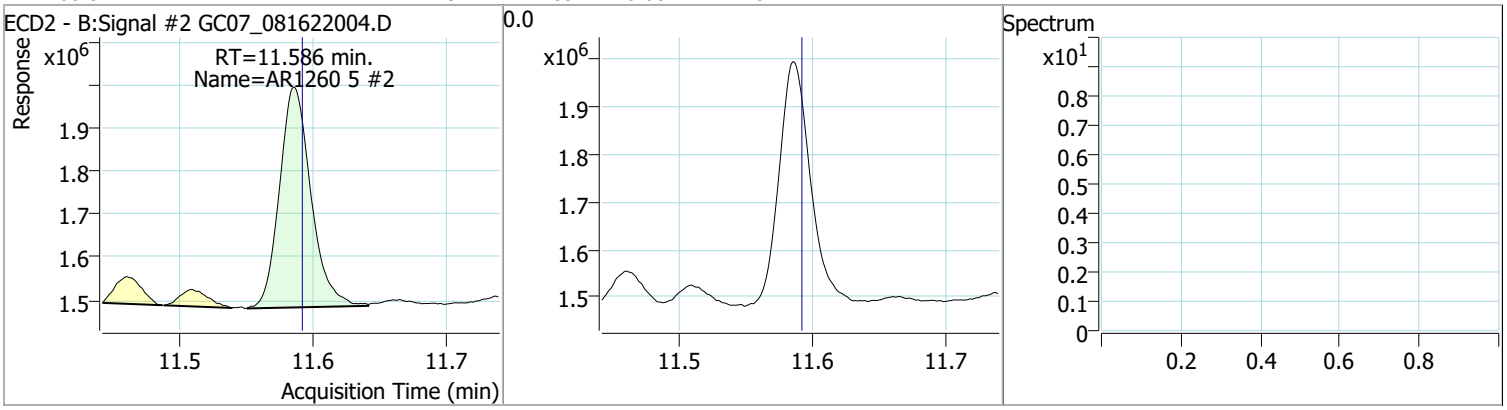
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	114.1063	10.86	0.00	795644				



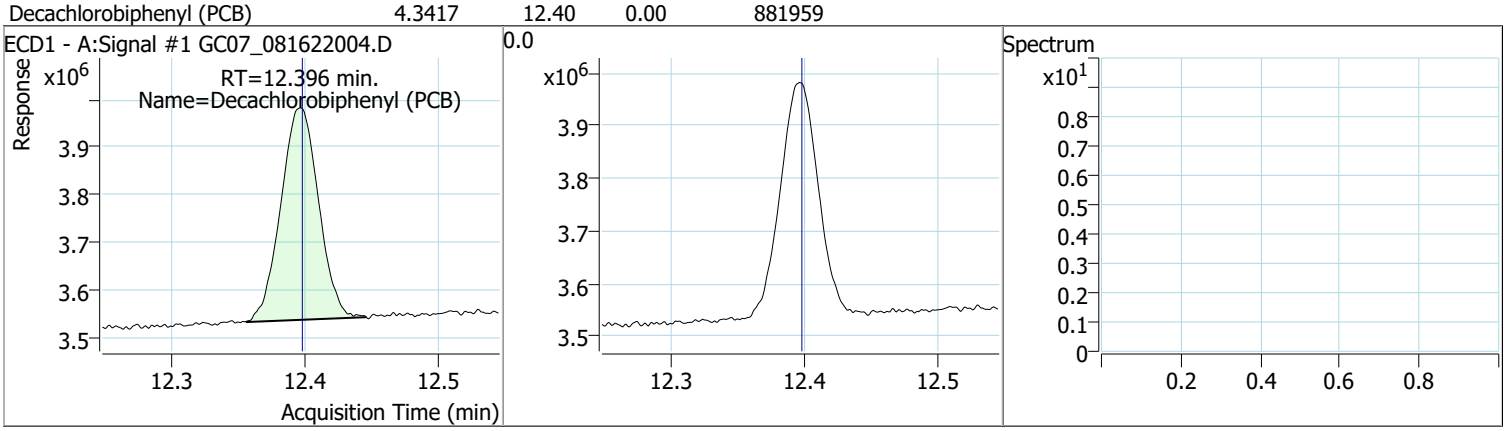
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	117.0080	11.32	0.00	446287 (m)				



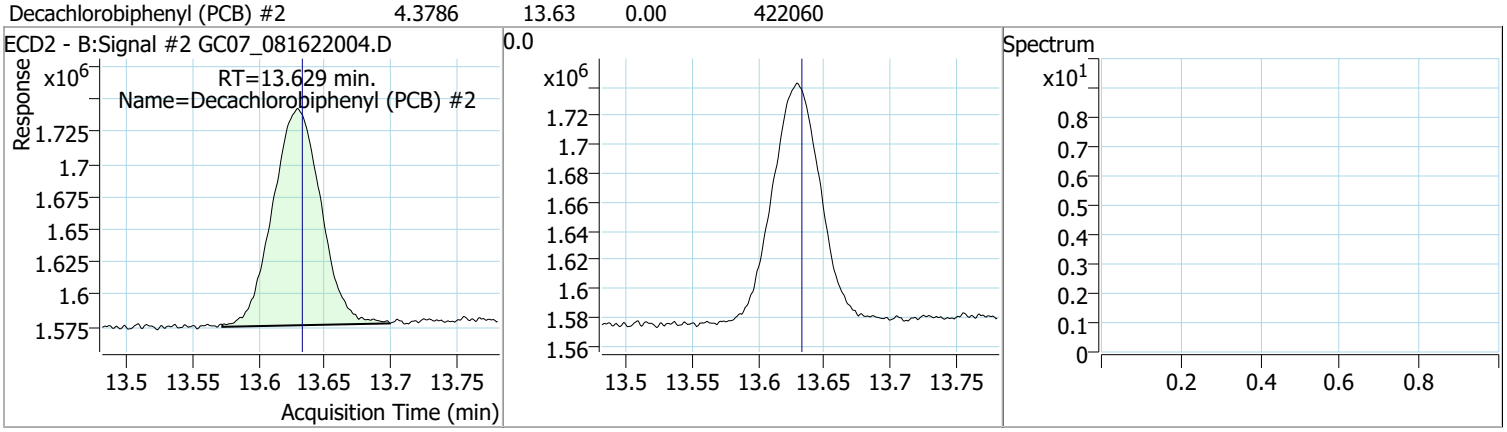
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	112.4911	11.59	0.00	847141				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	4.3417	12.40	0.00	881959				

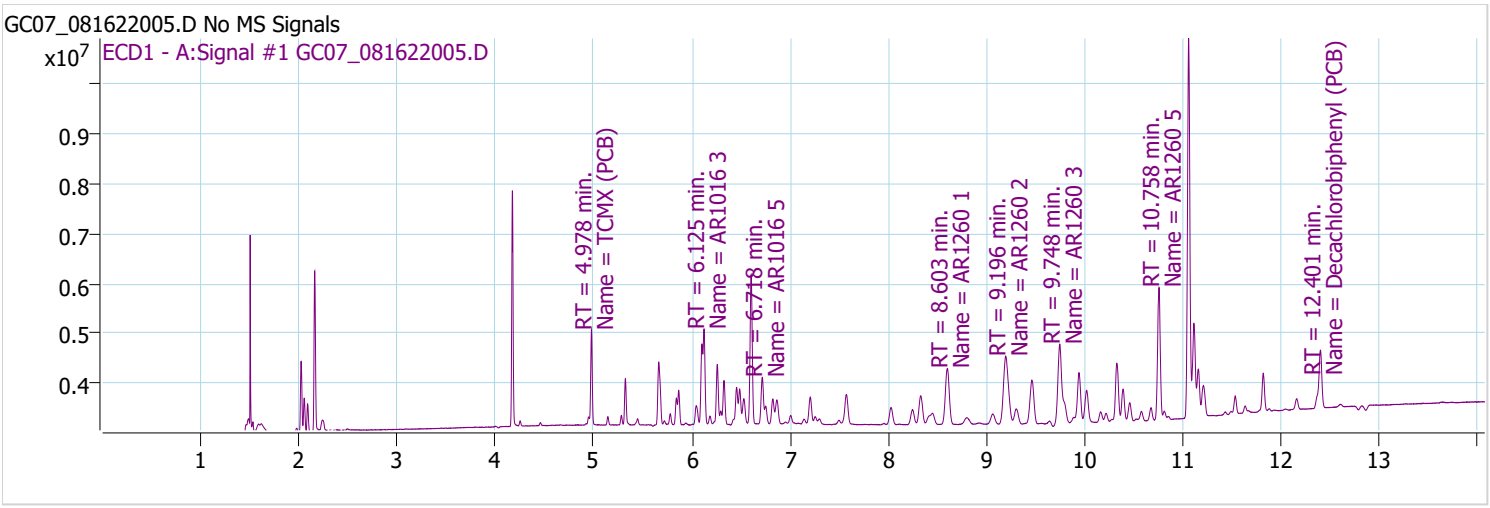


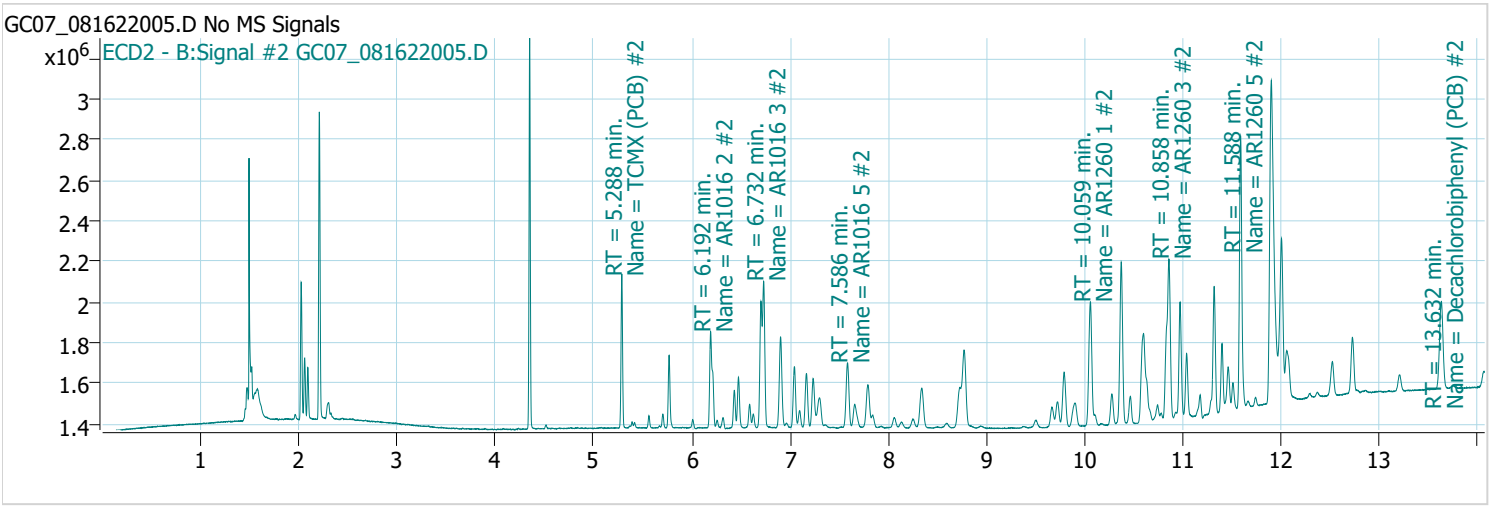
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	4.3786	13.63	0.00	422060				



Quantitation Results Report (Not Reviewed)

Data File	GC07_081622005.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	8/16/2022 8:13:26 PM
Sample Name	ICAL, S16726, 8	Instrument	SVOA-GC07
Vial	34	Multiplier	1.00
DA Method File	PCB_608_081622_GC07_2.m	Comment	250 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	081622PCBICAL.batch.bin	Last Calib Update	8/18/2022 11:24:04 AM
Ref Library			



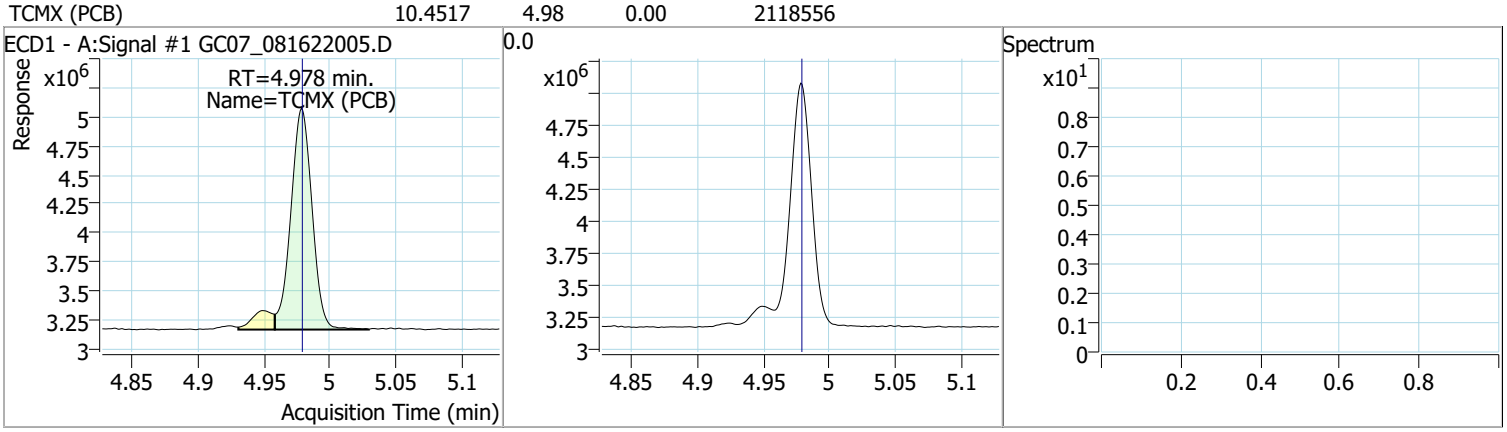


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.174	0.0	4518347.126	20.0000	ng/ml	0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.349	0.0	1698501.199	20.0000	ng/ml	0.001
System Monitoring Compounds						
S TCMX (PCB)	4.978	0.0	2118555.730	10.4517	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 52.26%		
S TCMX (PCB) #2	5.288	0.0	817327.692	10.7855	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 53.93%		
S Decachlorobiphenyl (PCB)	12.401	0.0	2666667.196	12.5436	ng/ml	0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 62.72%		
S Decachlorobiphenyl (PCB) #2	13.632	0.0	1082486.288	10.6922	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 53.46%		
Target Compounds						QValue

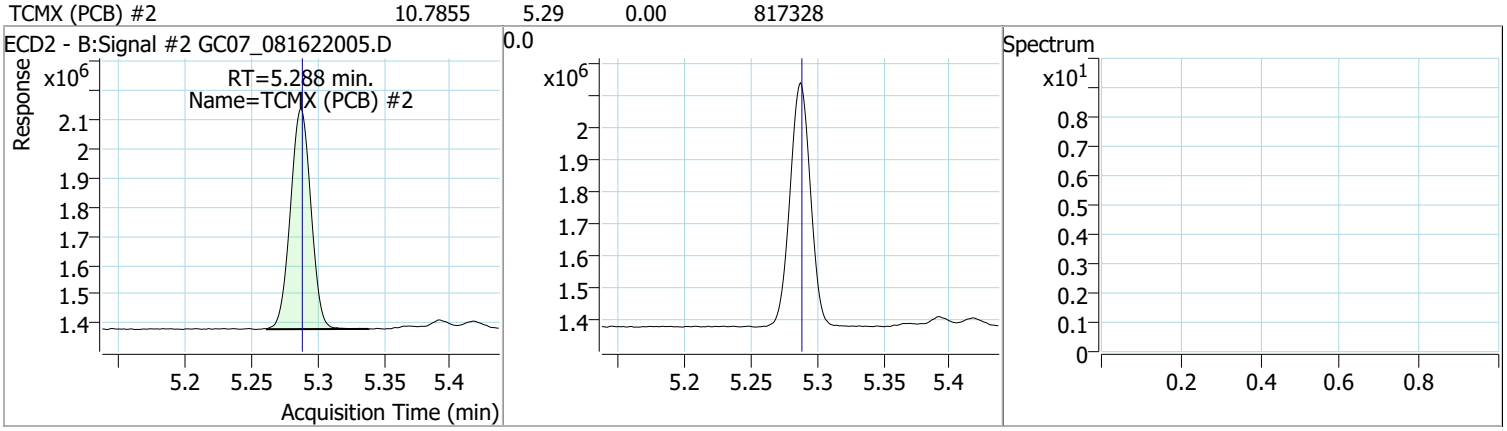
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.323	0.0	1115236.674	277.6121	ng/ml		100
T AR1016 2	5.664	0.0	2269444.166	278.3842	ng/ml		100
T AR1016 1 #2	5.769	0.0	448491.497	280.0407	ng/ml		100
T AR1016 3	6.125	0.0	2563989.786	262.3255	ng/ml		100
T AR1016 2 #2	6.192	0.0	969112.787	292.2397	ng/ml		100
T AR1016 4	6.259	0.0	1759407.937	273.6329	ng/ml		100
T AR1016 5	6.718	0.0	1594074.736	281.7866	ng/ml		100
T AR1016 3 #2	6.732	0.0	1149503.271	284.3691	ng/ml		100
T AR1016 4 #2	6.904	0.0	829414.158	289.6707	ng/ml		100
T AR1016 5 #2	7.586	0.0	654813.087	287.9485	ng/ml		100
T AR1260 1	8.603	0.0	3172958.062	277.3160	ng/ml		100
T AR1260 2	9.196	0.0	4725580.761	278.1789	ng/ml		100
T AR1260 3	9.748	0.0	4561335.706	249.2833	ng/ml		100
T AR1260 1 #2	10.059	0.0	1318505.263	286.0839	ng/ml	m	100
T AR1260 4	10.328	0.0	2385243.008	277.5323	ng/ml		100
T AR1260 2 #2	10.373	0.0	1559452.685	281.3628	ng/ml		100
T AR1260 5	10.758	0.0	5023701.776	274.3048	ng/ml		100
T AR1260 3 #2	10.858	0.0	2031779.824	277.4270	ng/ml		100
T AR1260 4 #2	11.319	0.0	1128085.772	281.5947	ng/ml		100
T AR1260 5 #2	11.588	0.0	2260415.083	285.7801	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

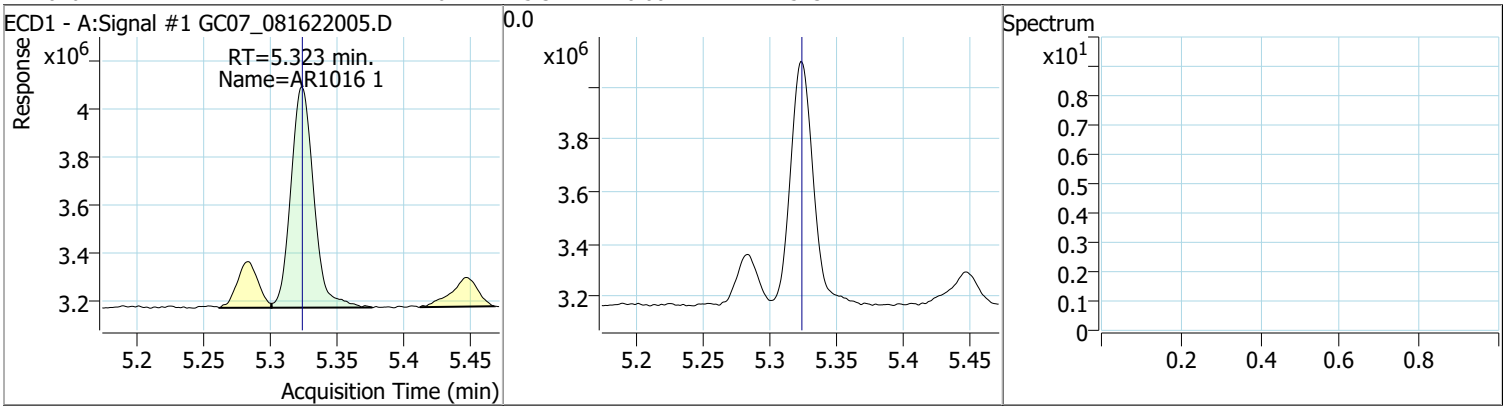
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	10.4517	4.98	0.00	2118556				



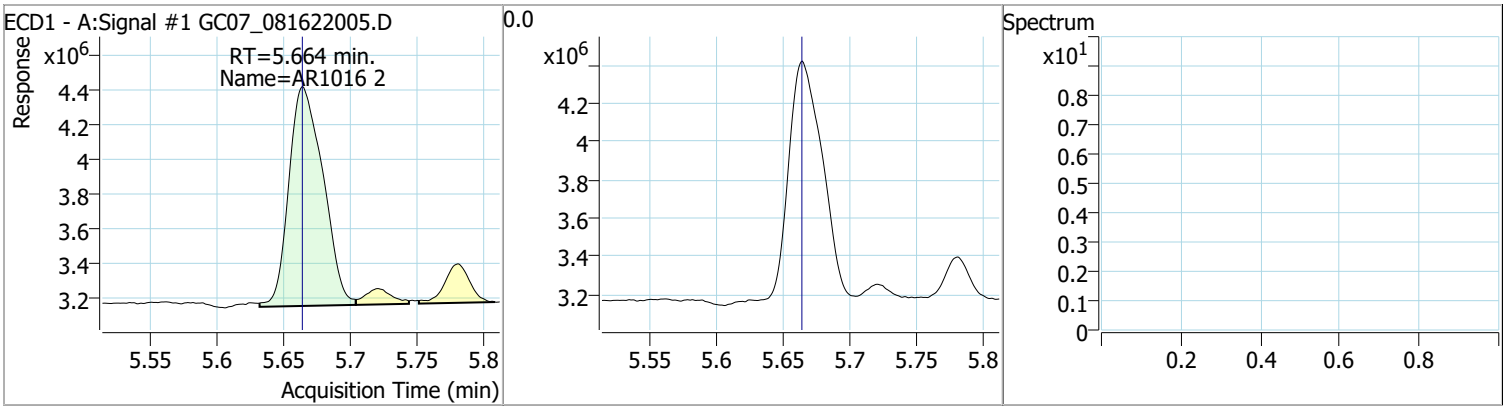
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	10.7855	5.29	0.00	817328				



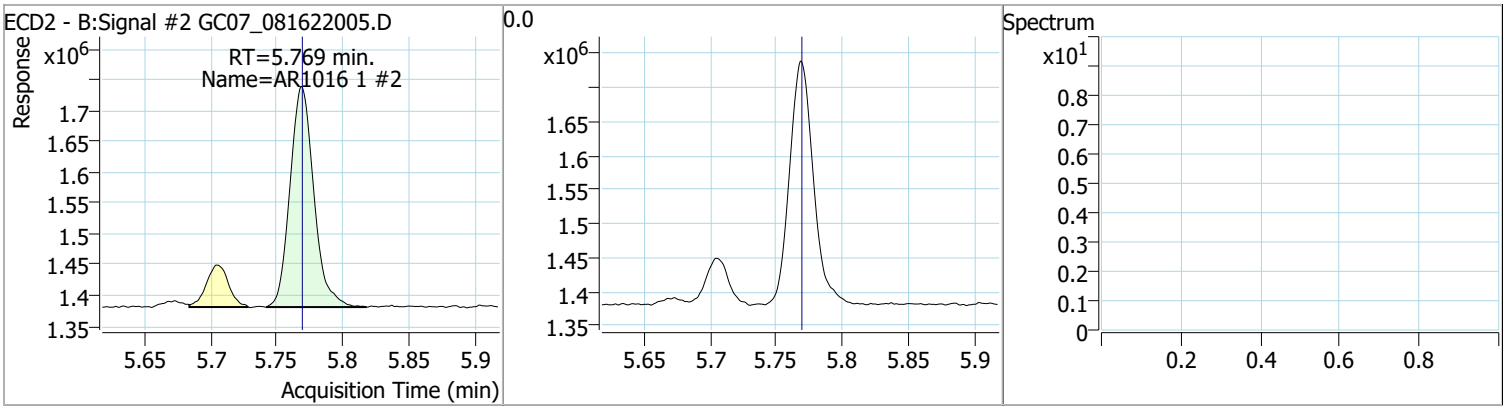
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	277.6121	5.32	0.00	1115237				



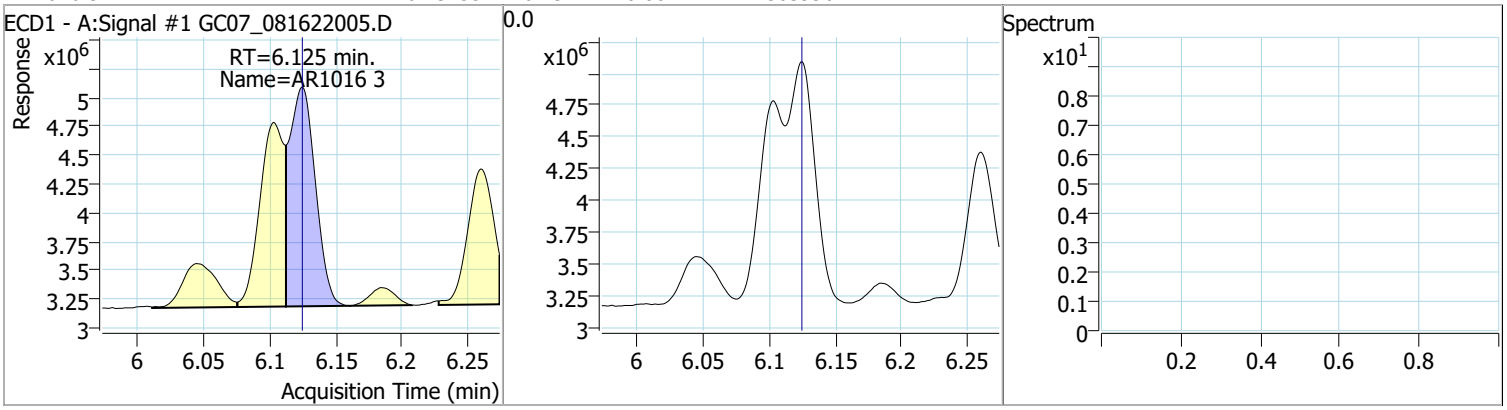
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	278.3842	5.66	0.00	2269444				



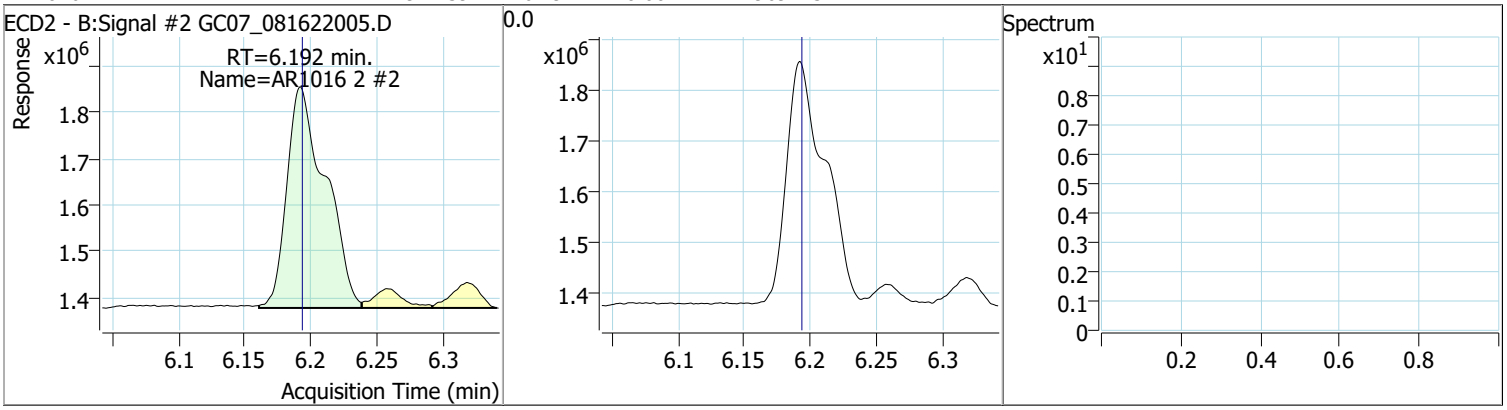
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	280.0407	5.77	0.00	448491				



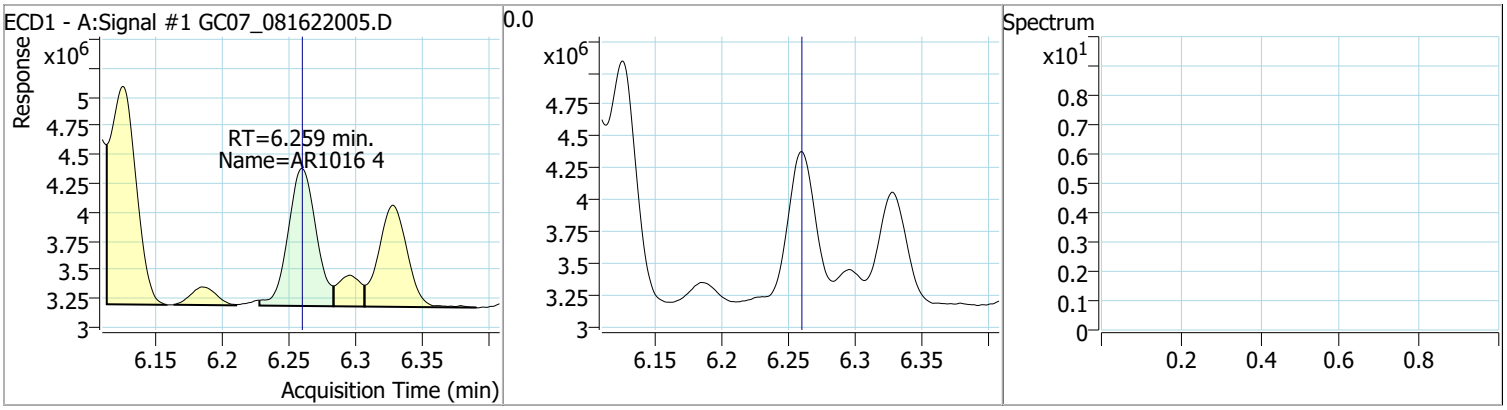
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	262.3255	6.13	0.00	2563990				



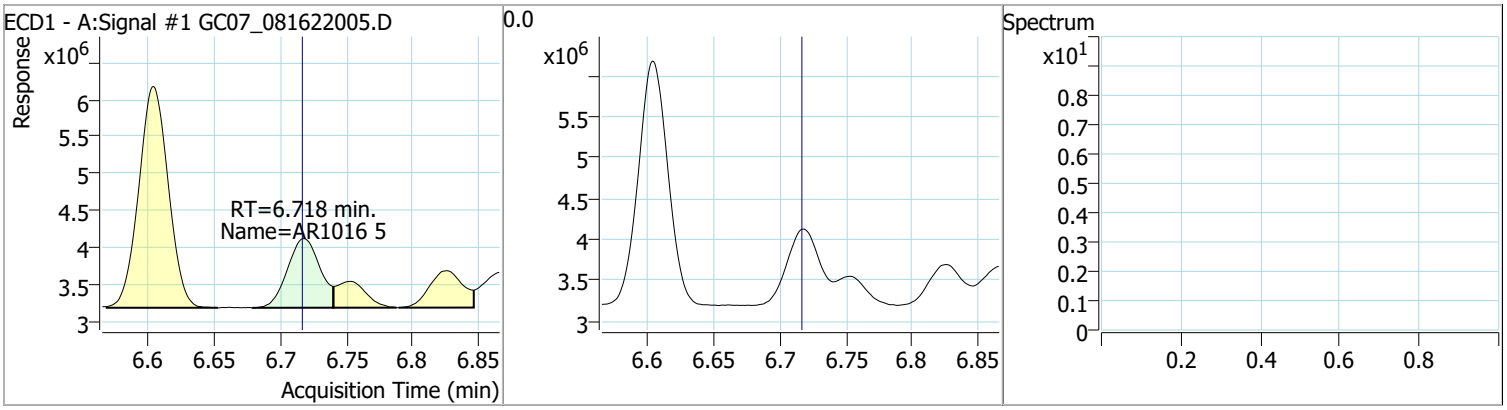
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	292.2397	6.19	0.00	969113				



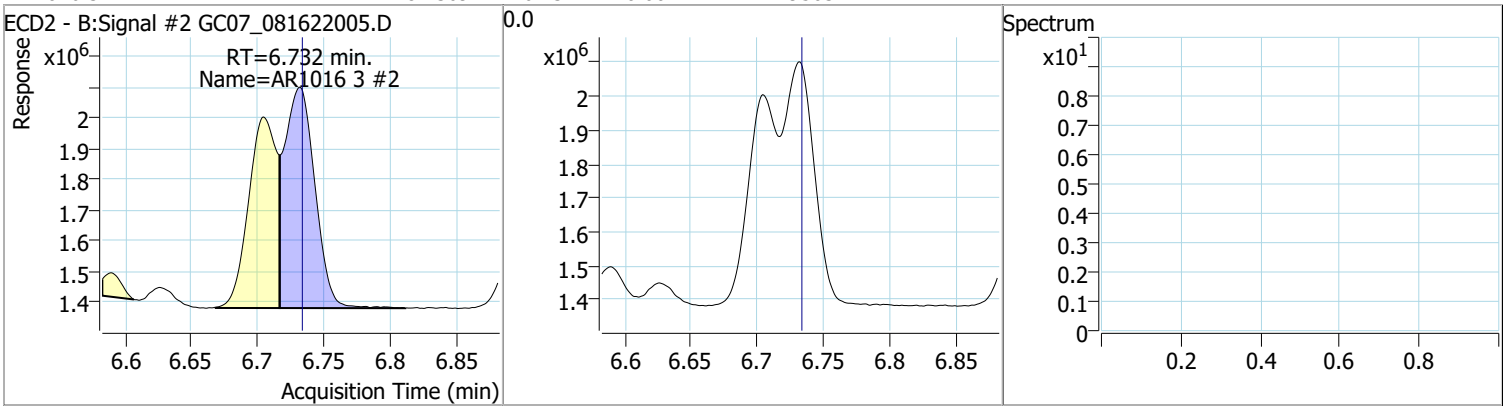
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	273.6329	6.26	0.00	1759408				



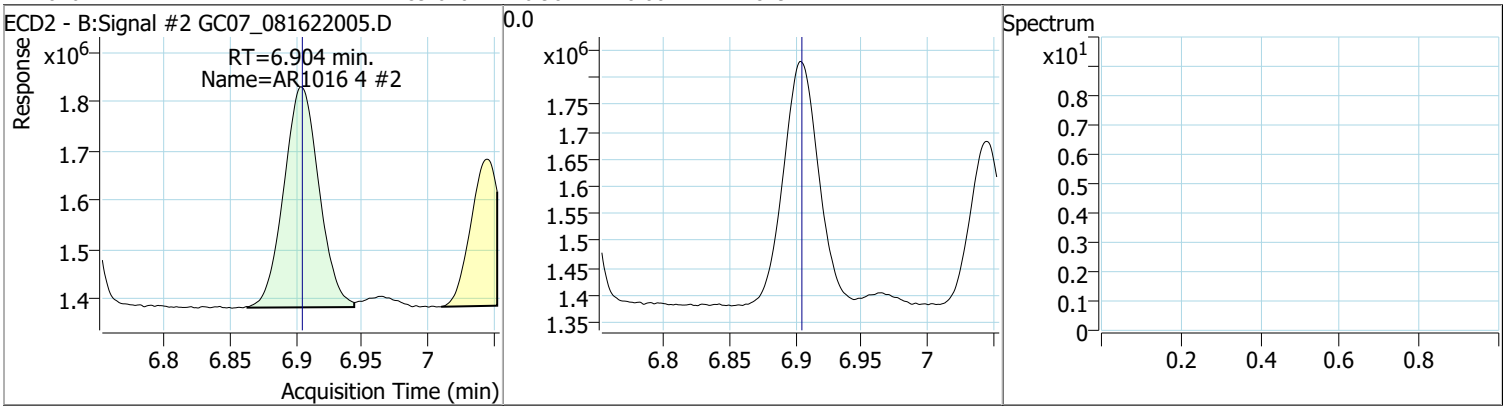
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	281.7866	6.72	0.00	1594075				



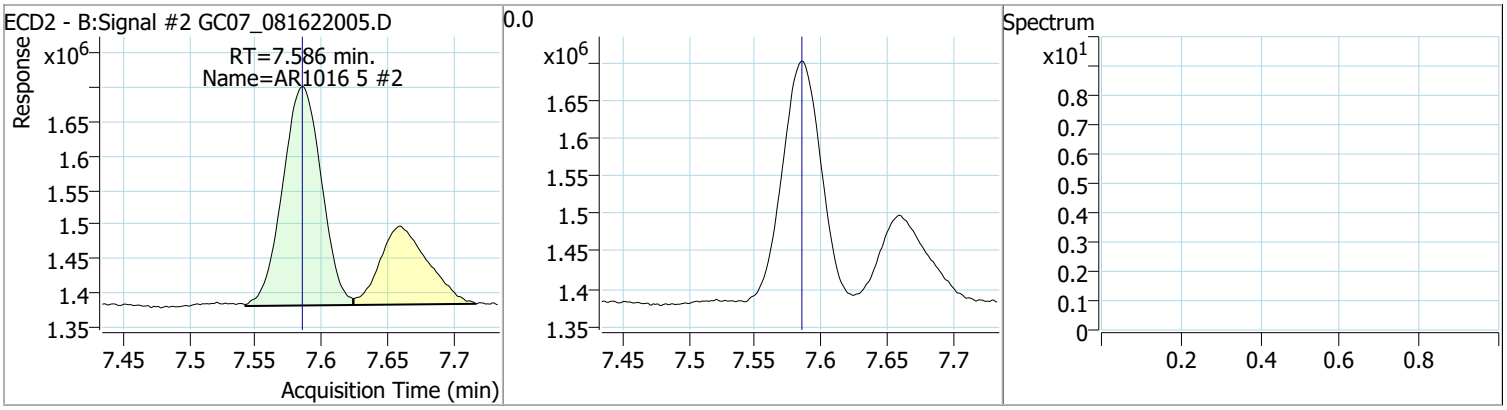
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	284.3691	6.73	0.00	1149503				



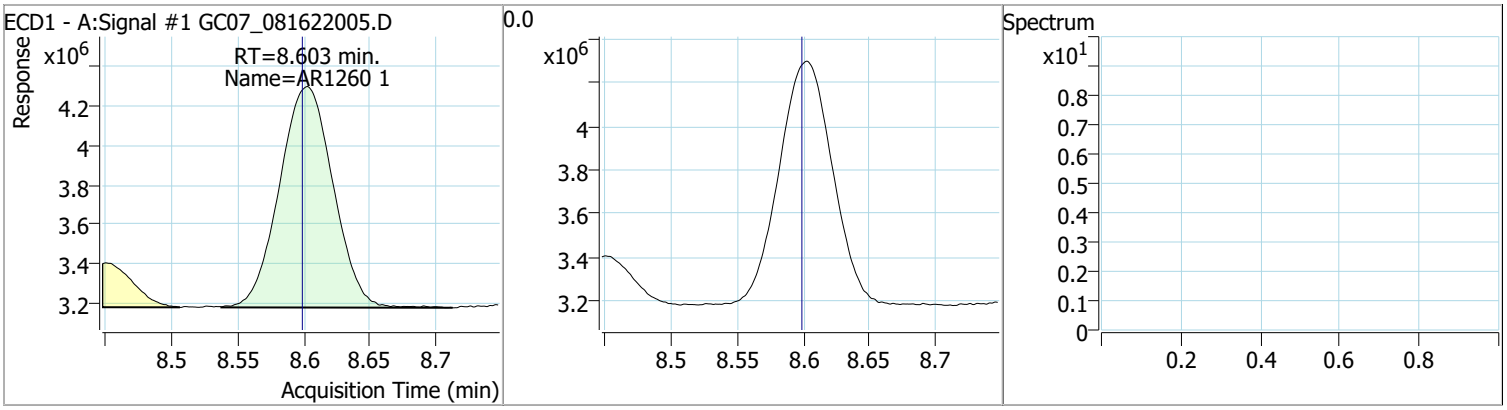
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	289.6707	6.90	0.00	829414				



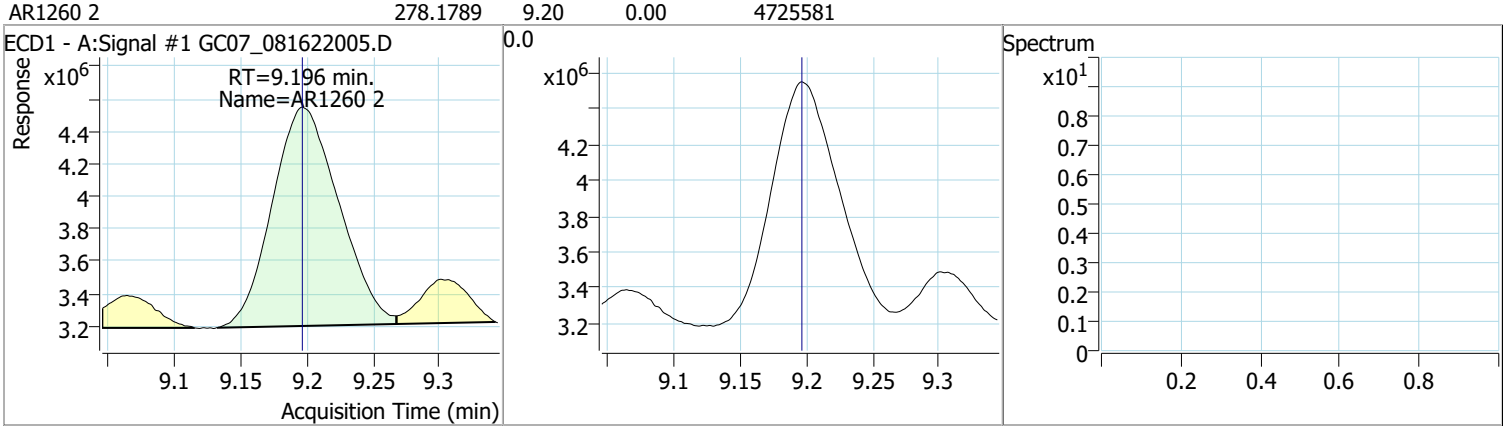
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	287.9485	7.59	0.00	654813				



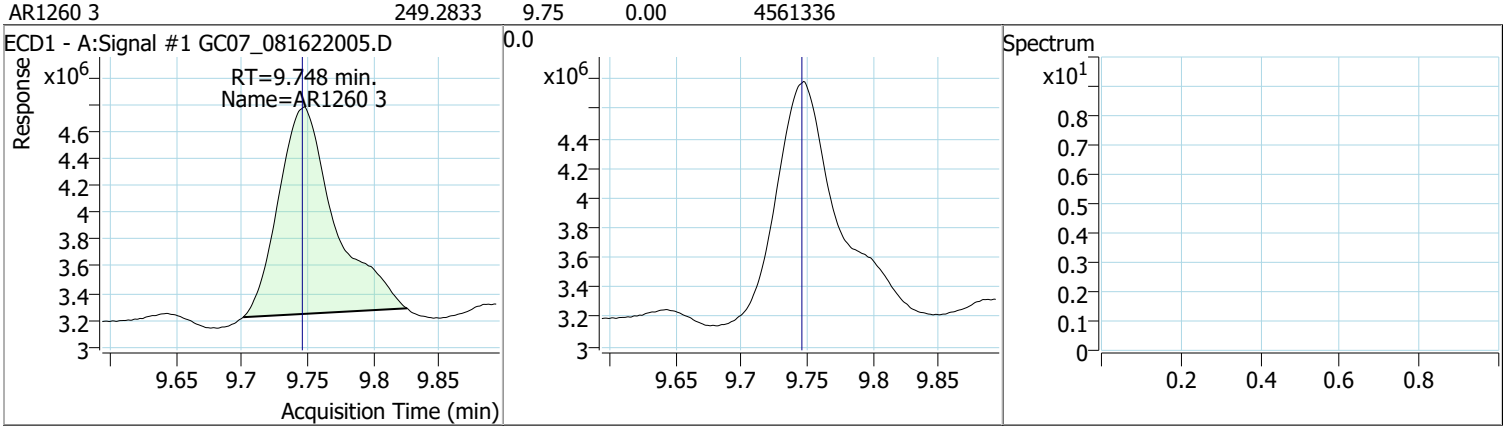
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	277.3160	8.60	0.01	3172958				



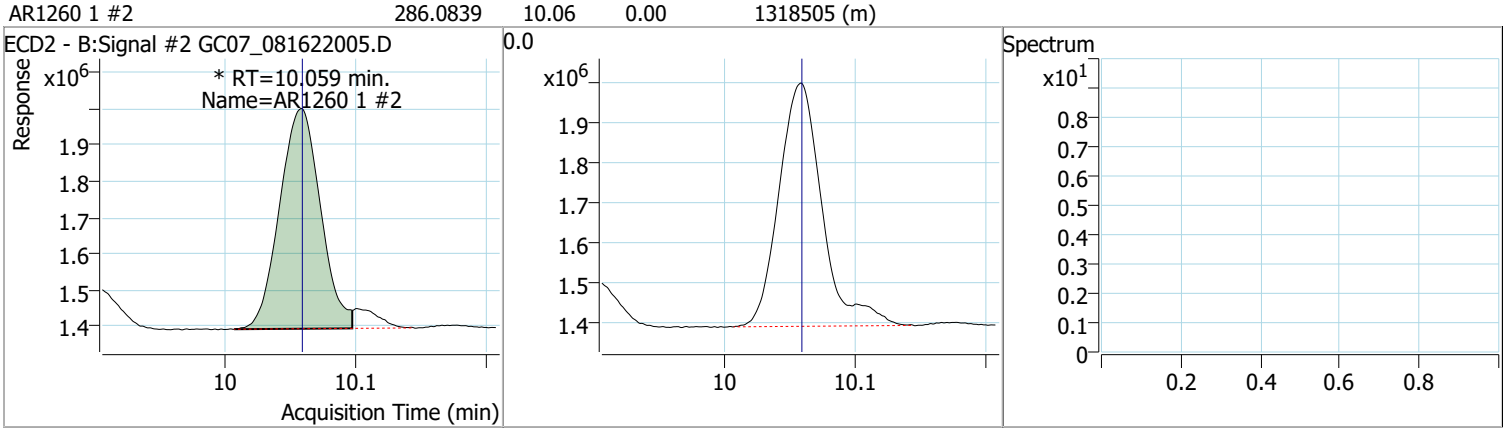
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	278.1789	9.20	0.00	4725581				



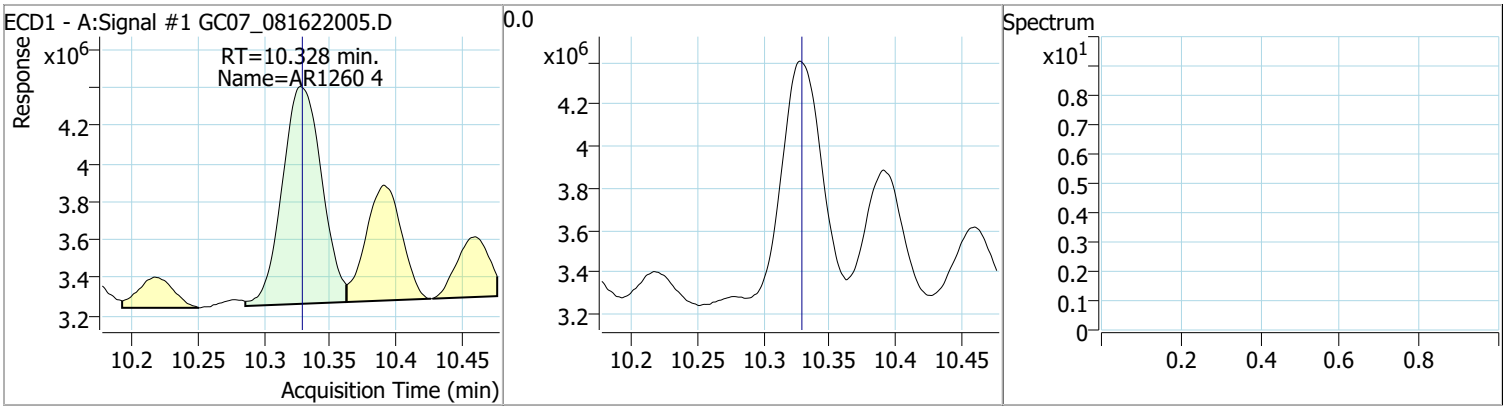
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	249.2833	9.75	0.00	4561336				



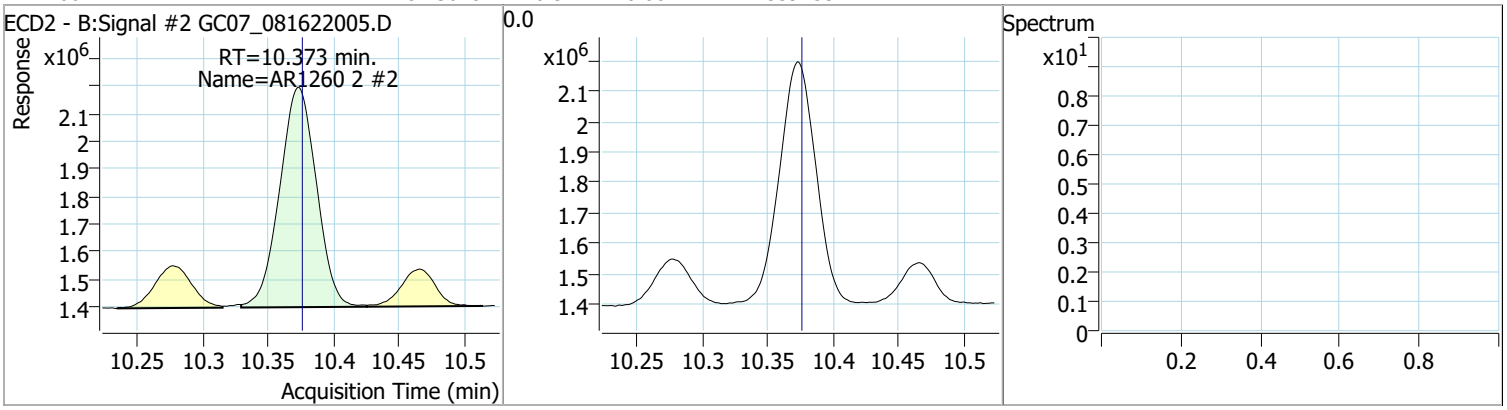
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	286.0839	10.06	0.00	1318505 (m)				



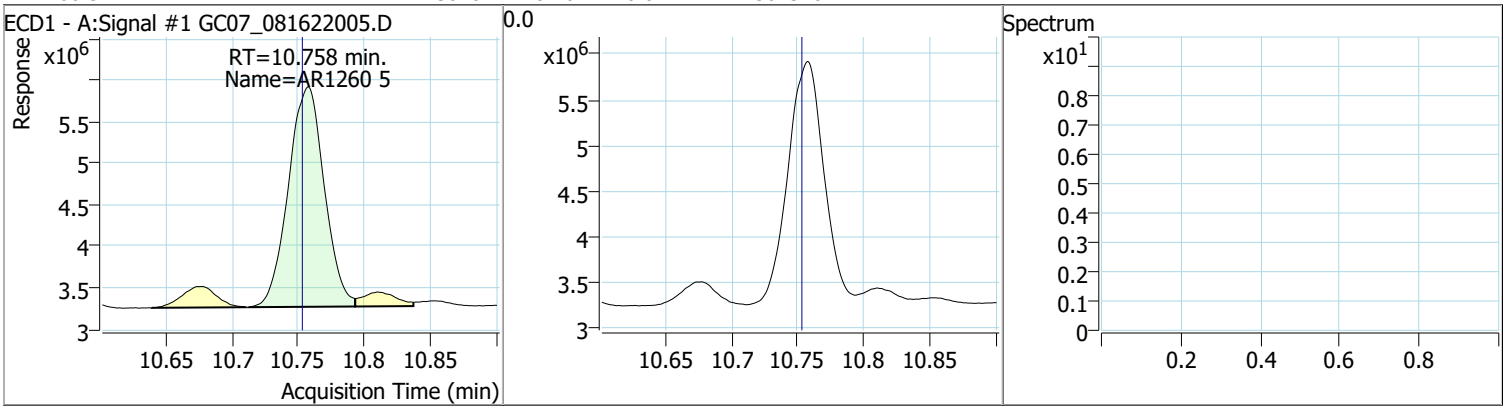
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	277.5323	10.33	0.00	2385243				



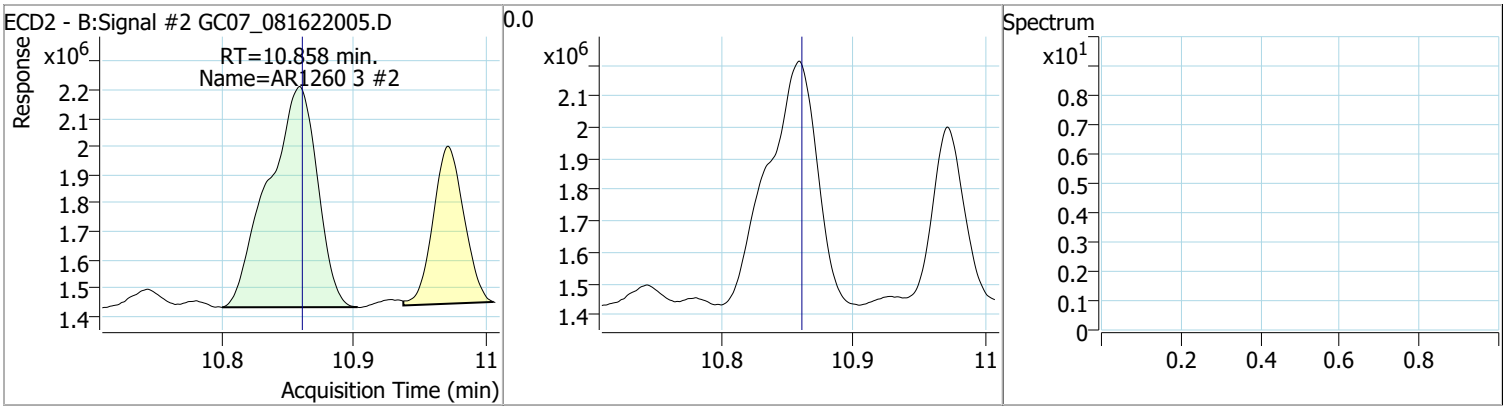
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	281.3628	10.37	0.00	1559453				



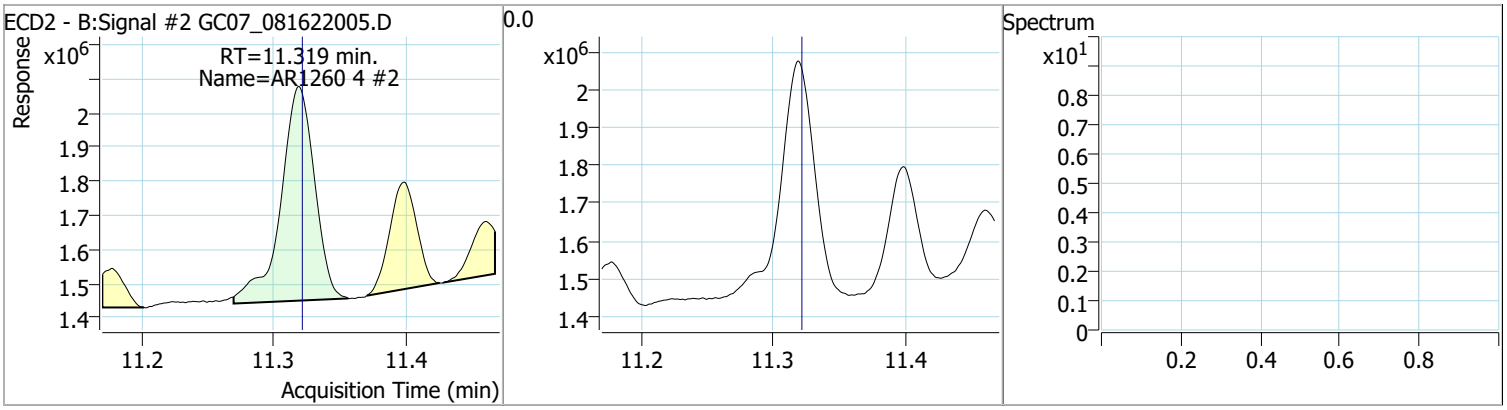
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	274.3048	10.76	0.01	5023702				



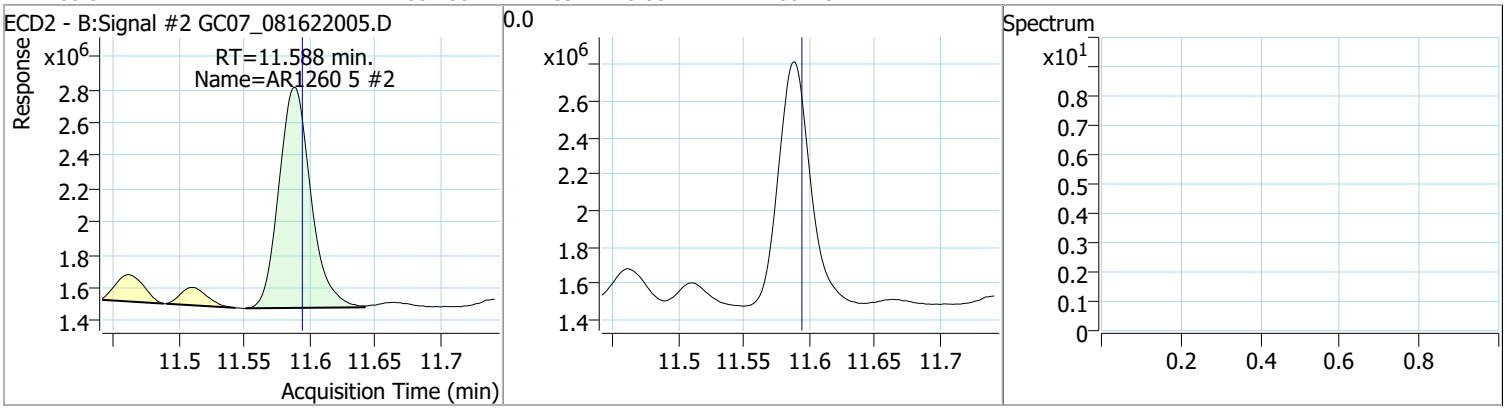
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	277.4270	10.86	0.00	2031780				



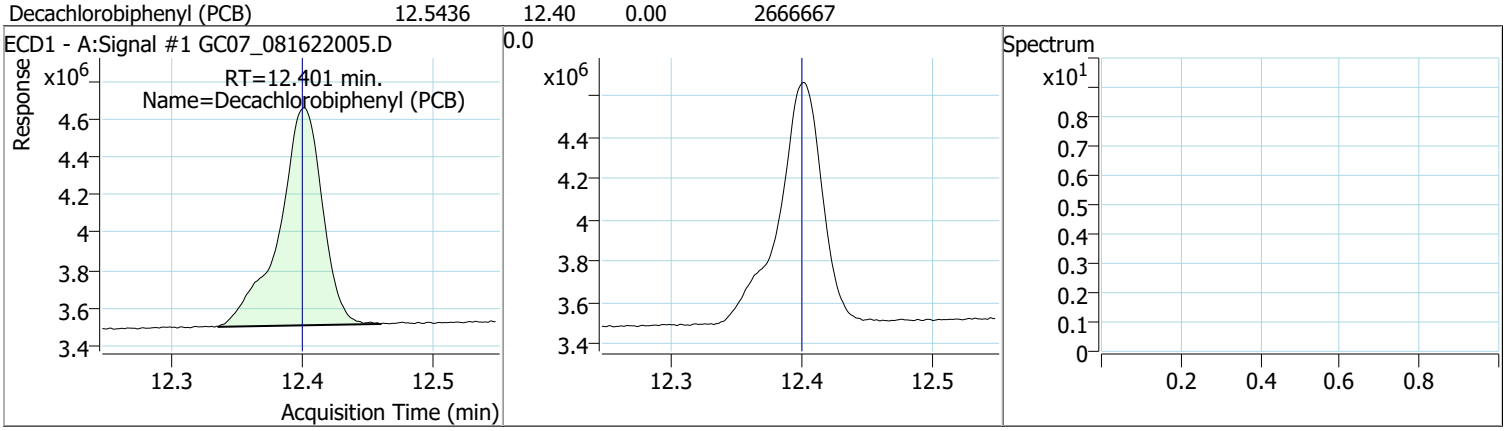
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	281.5947	11.32	0.00	1128086				



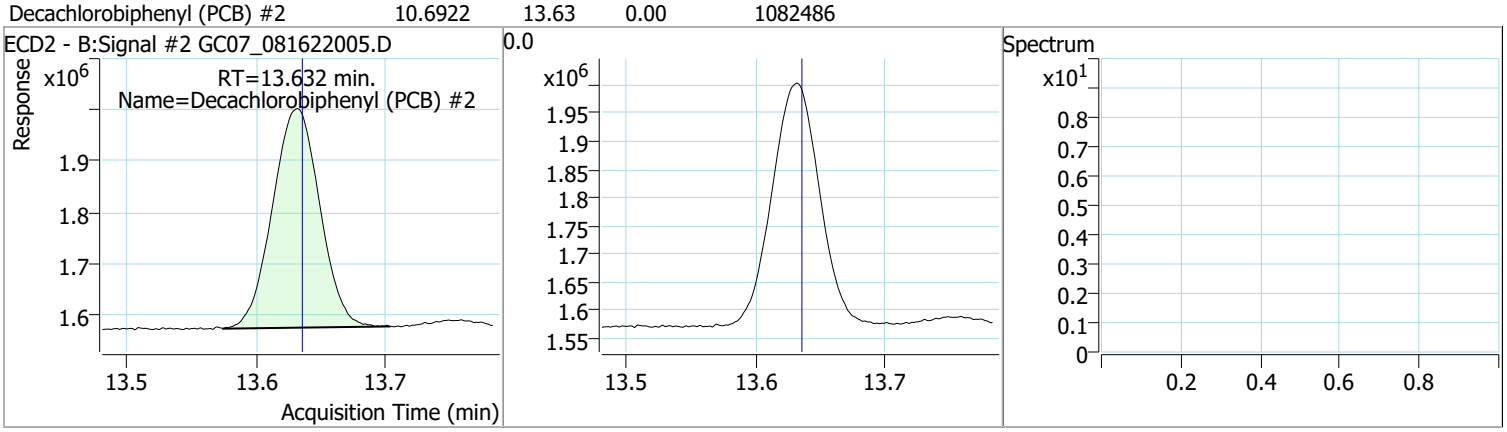
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	285.7801	11.59	0.00	2260415				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	12.5436	12.40	0.00	2666667				

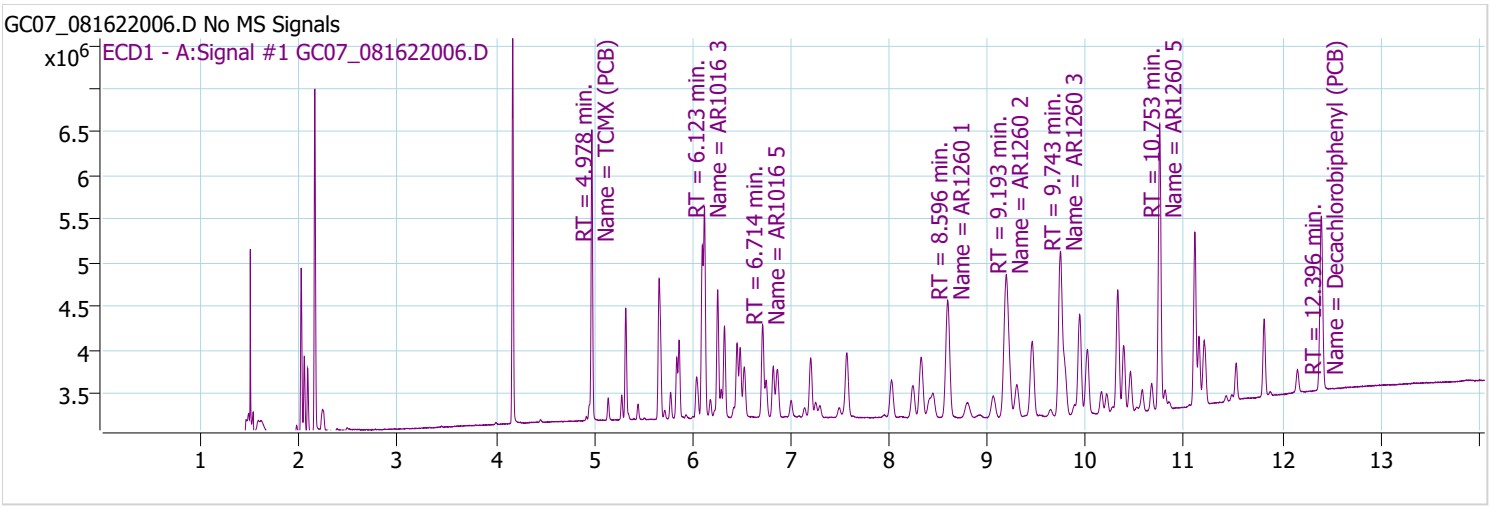


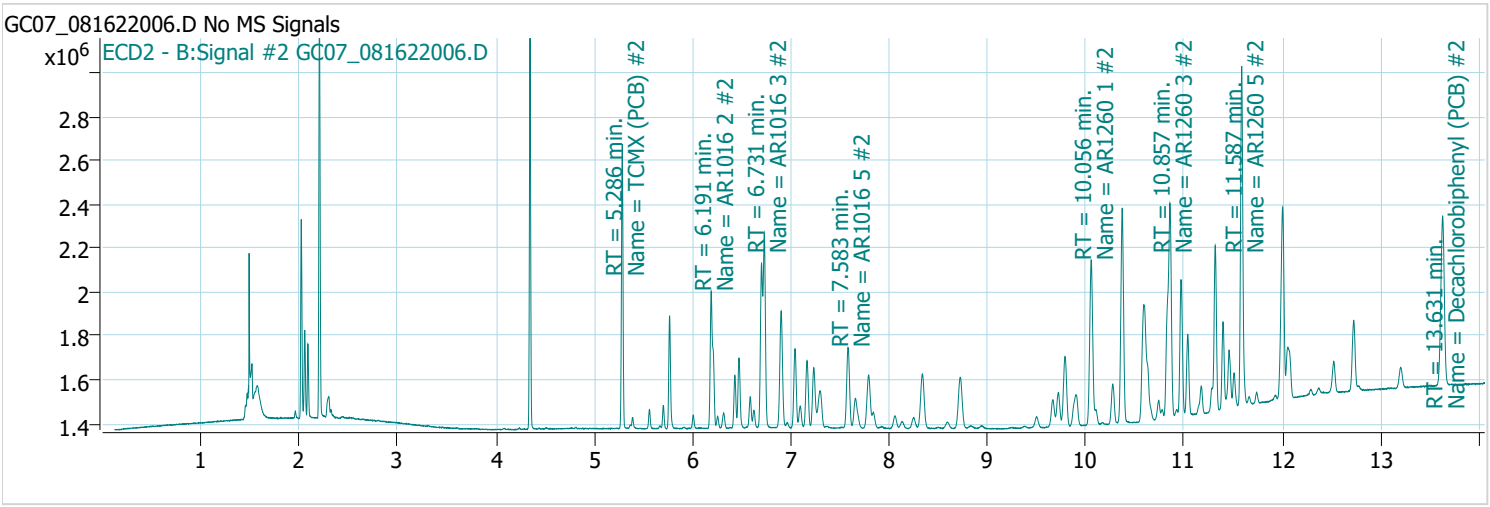
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	10.6922	13.63	0.00	1082486				



Quantitation Results Report (Not Reviewed)

Data File	GC07_081622006.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	8/16/2022 8:31:01 PM
Sample Name	ICAL, S16726, 4	Instrument	SVOA-GC07
Vial	35	Multiplier	1.00
DA Method File	PCB_608_081622_GC07_2.m	Comment	500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	081622PCBICAL.batch.bin	Last Calib Update	8/18/2022 11:24:04 AM
Ref Library			



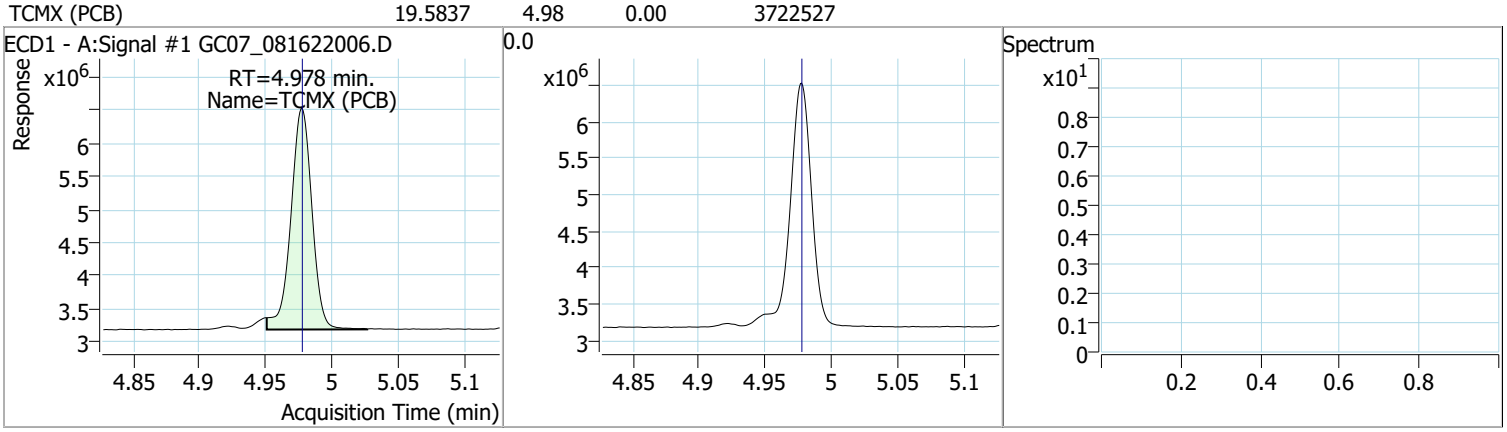


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.173	0.0	4237113.425	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.348	0.0	1586763.851	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.978	0.0	3722526.638	19.5837	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 97.92%		
S TCMX (PCB) #2	5.286	0.0	1437468.947	20.3046	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 101.52%		
S Decachlorobiphenyl (PCB)	12.396	0.0	4139465.692	20.7638	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 103.82%		
S Decachlorobiphenyl (PCB) #2	13.631	0.0	1932835.451	20.4359	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 102.18%		
Target Compounds						QValue

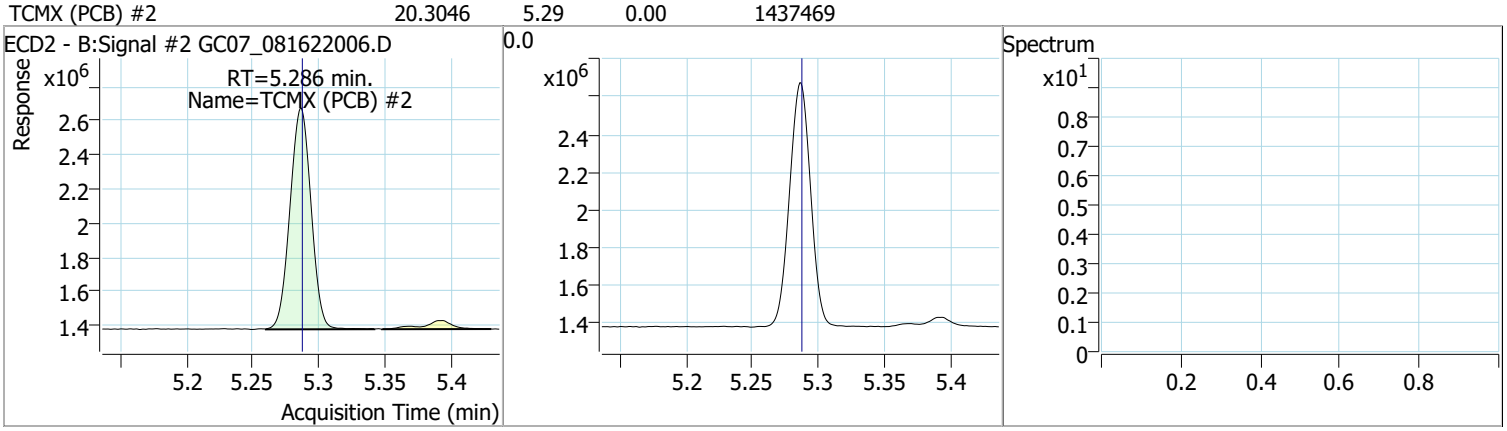
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.322	0.0	1595455.489	423.5119	ng/ml	100
T AR1016 2	5.662	0.0	2860106.295	374.1250	ng/ml	100
T AR1016 1 #2	5.768	0.0	647404.351	432.7092	ng/ml	100
T AR1016 3	6.123	0.0	3355508.527	366.0936	ng/ml	100
T AR1016 2 #2	6.191	0.0	1241673.062	400.7982	ng/ml	100
T AR1016 4	6.258	0.0	2118586.884	351.3642	ng/ml	100
T AR1016 5	6.714	0.0	1835908.815	346.0766	ng/ml	100
T AR1016 3 #2	6.731	0.0	1428682.581	378.3220	ng/ml	100
T AR1016 4 #2	6.903	0.0	1016583.724	380.0405	ng/ml	100
T AR1016 5 #2	7.583	0.0	760870.464	358.1473	ng/ml	100
T AR1260 1	8.596	0.0	3861688.233	359.9128	ng/ml	100
T AR1260 2	9.193	0.0	5800570.036	364.1238	ng/ml	100
T AR1260 3	9.743	0.0	6302712.588	367.3146	ng/ml	100
T AR1260 1 #2	10.056	0.0	1617674.480	375.7130	ng/ml	100
T AR1260 4	10.326	0.0	2847172.487	353.2679	ng/ml	100
T AR1260 2 #2	10.372	0.0	1893820.389	365.7521	ng/ml	100
T AR1260 5	10.753	0.0	6080271.187	354.0316	ng/ml	100
T AR1260 3 #2	10.857	0.0	2525233.676	369.0856	ng/ml	100
T AR1260 4 #2	11.318	0.0	1384561.081	369.9542	ng/ml	100
T AR1260 5 #2	11.587	0.0	2518253.830	340.7979	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

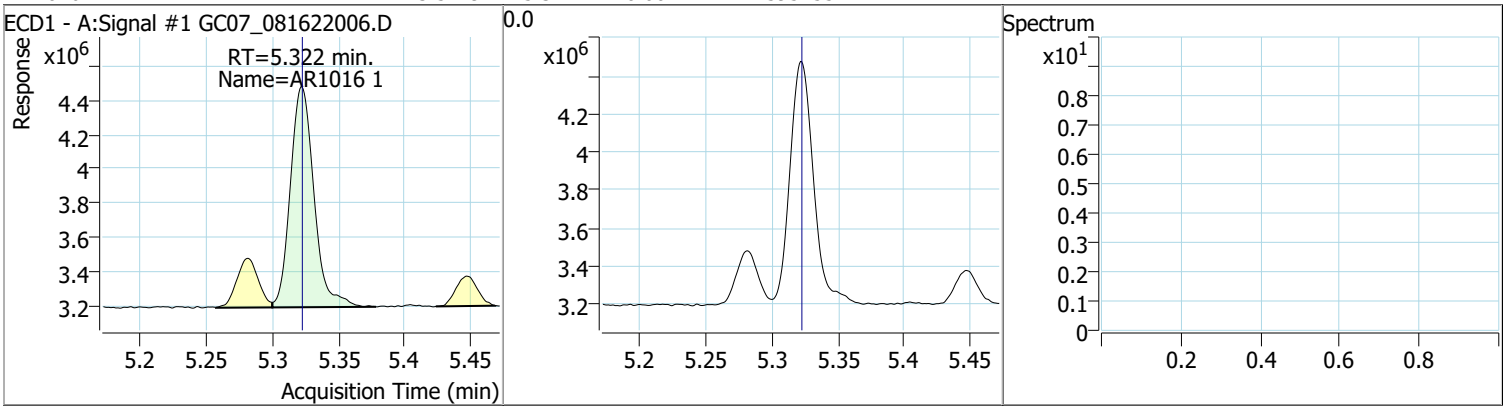
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	19.5837	4.98	0.00	3722527				



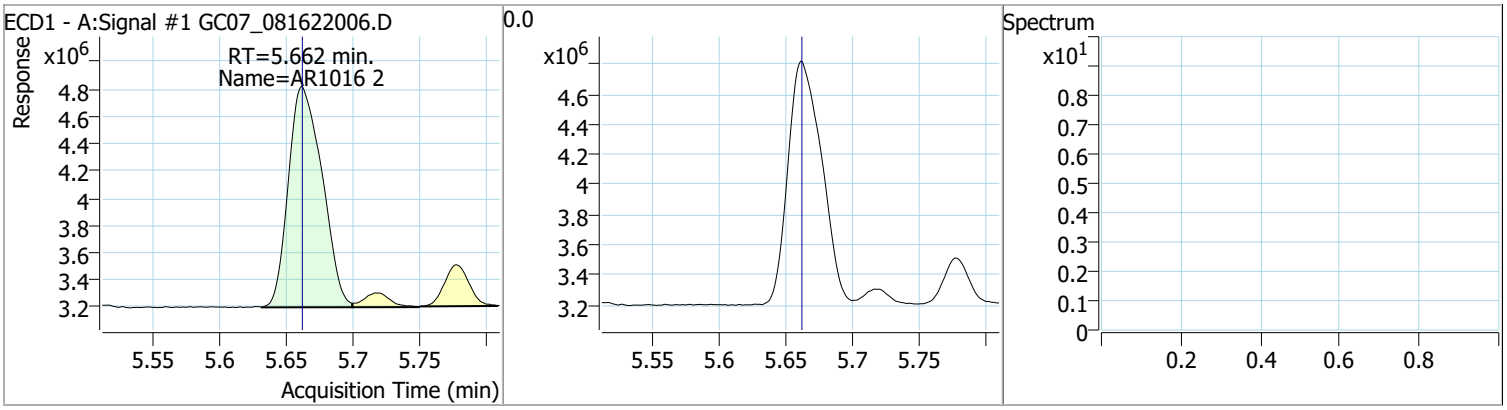
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	20.3046	5.29	0.00	1437469				



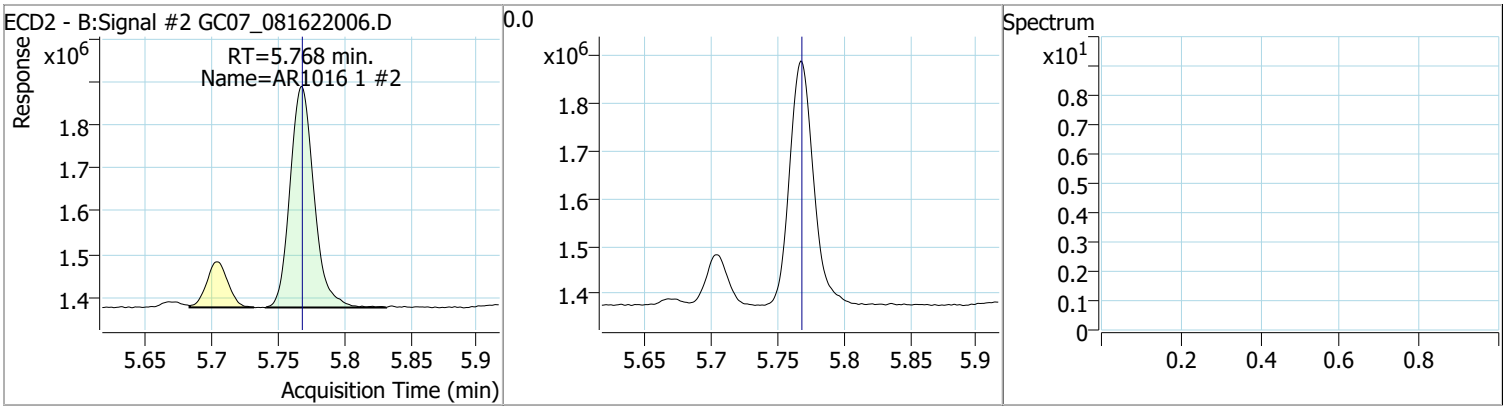
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	423.5119	5.32	0.00	1595455				



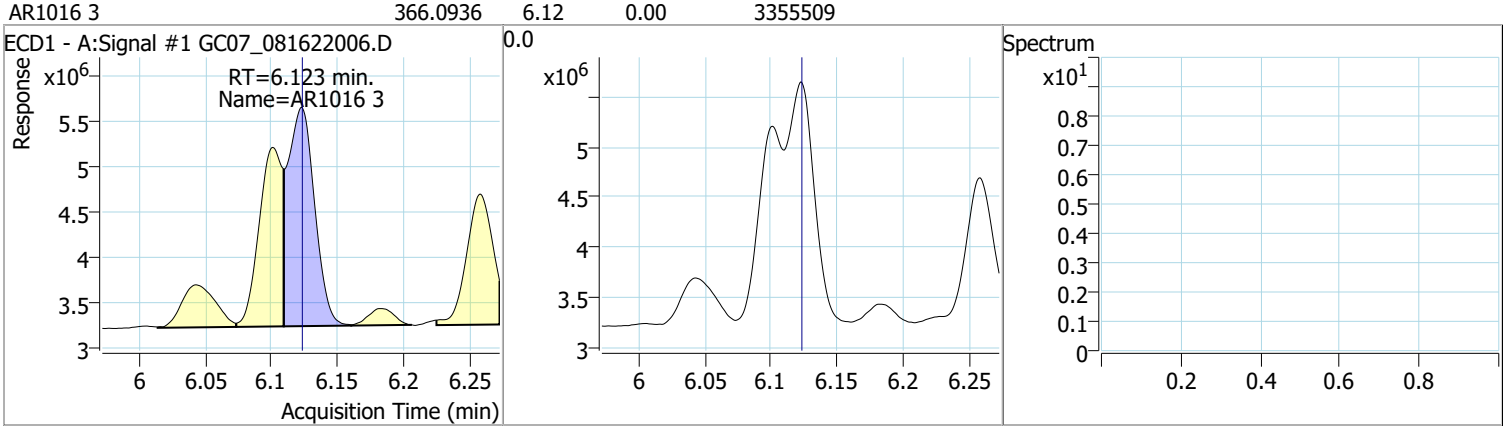
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	374.1250	5.66	0.00	2860106				



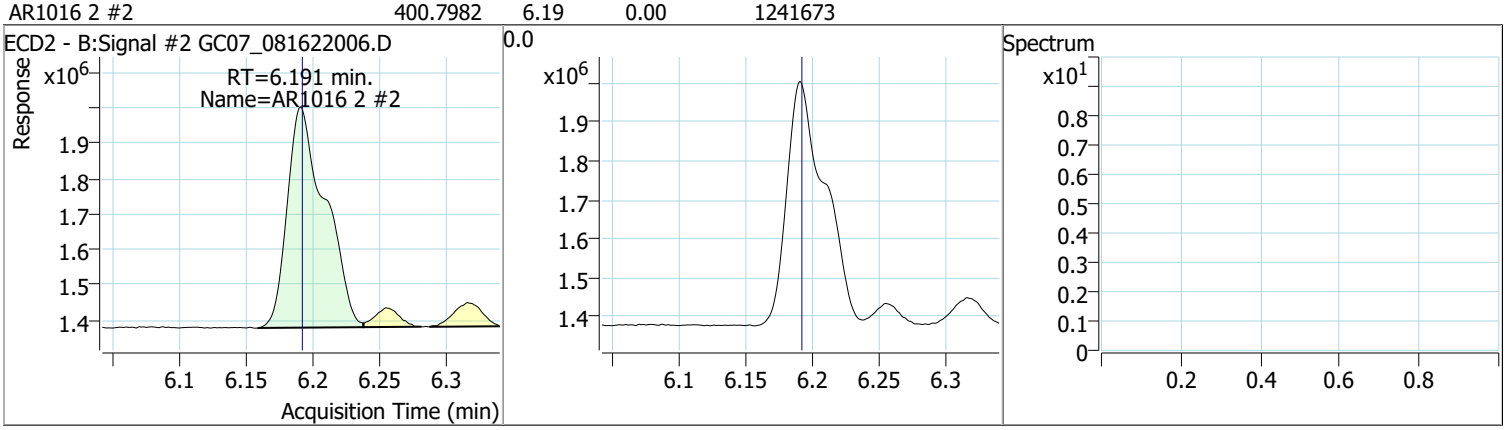
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	432.7092	5.77	0.00	647404				



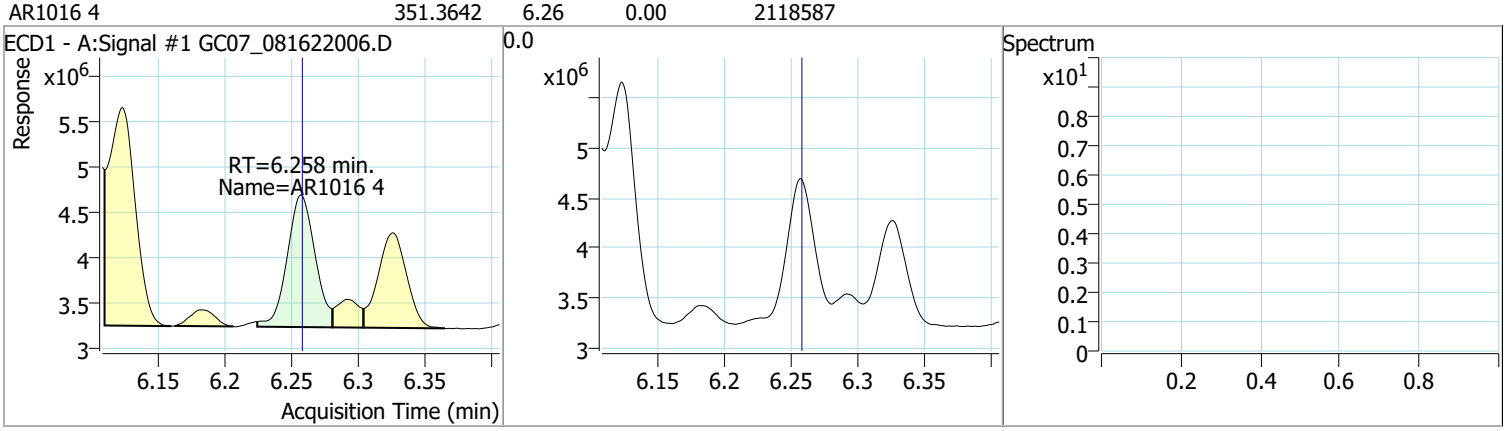
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	366.0936	6.12	0.00	3355509				



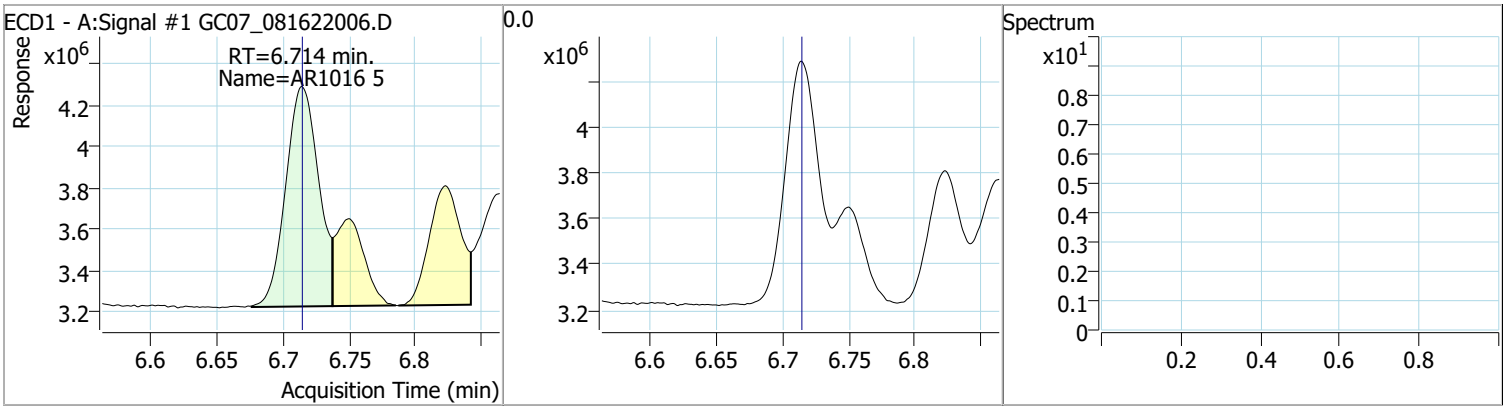
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	400.7982	6.19	0.00	1241673				



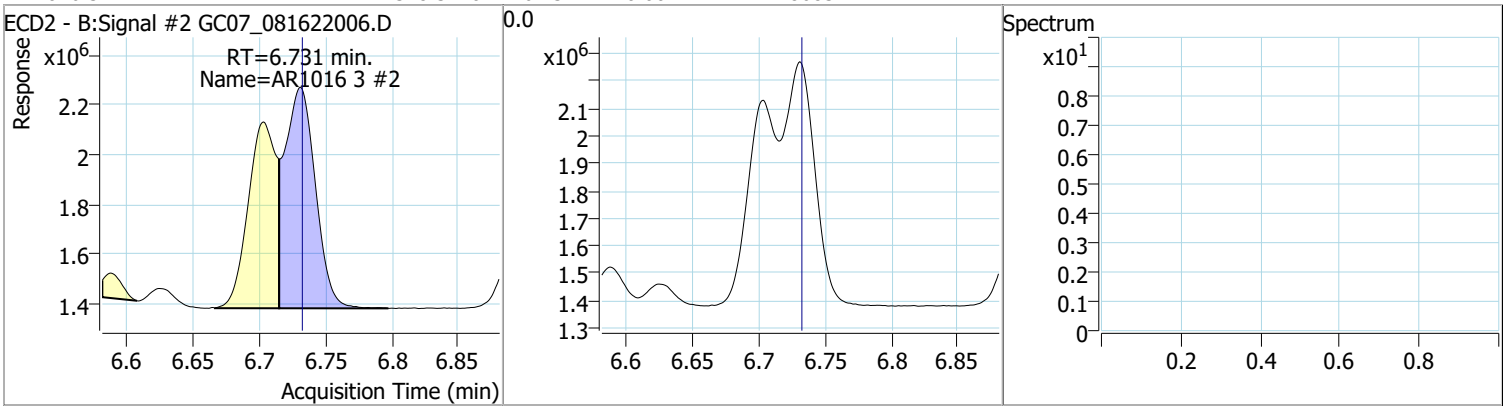
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	351.3642	6.26	0.00	2118587				



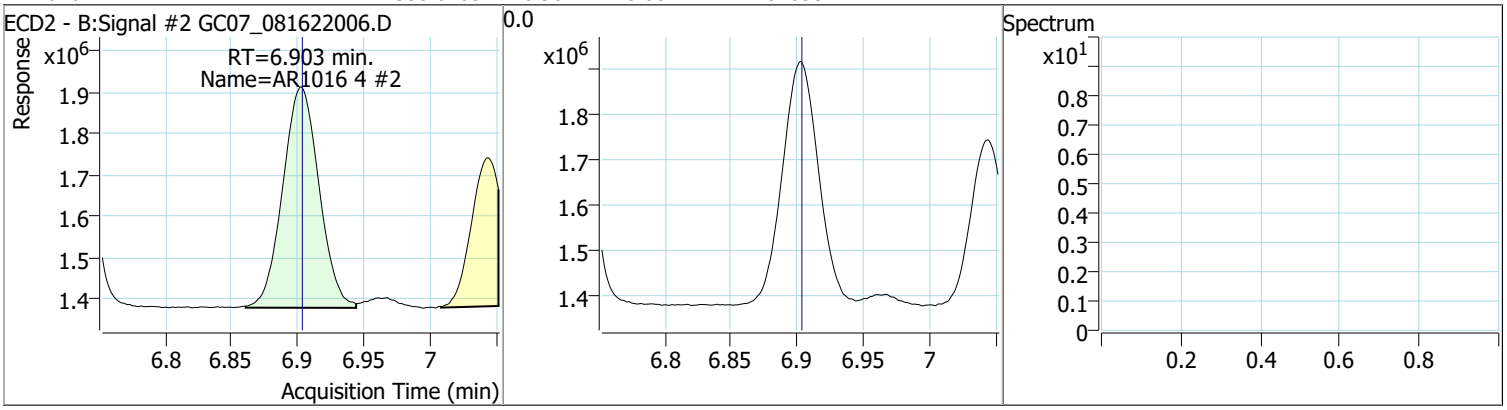
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	346.0766	6.71	0.00	1835909				



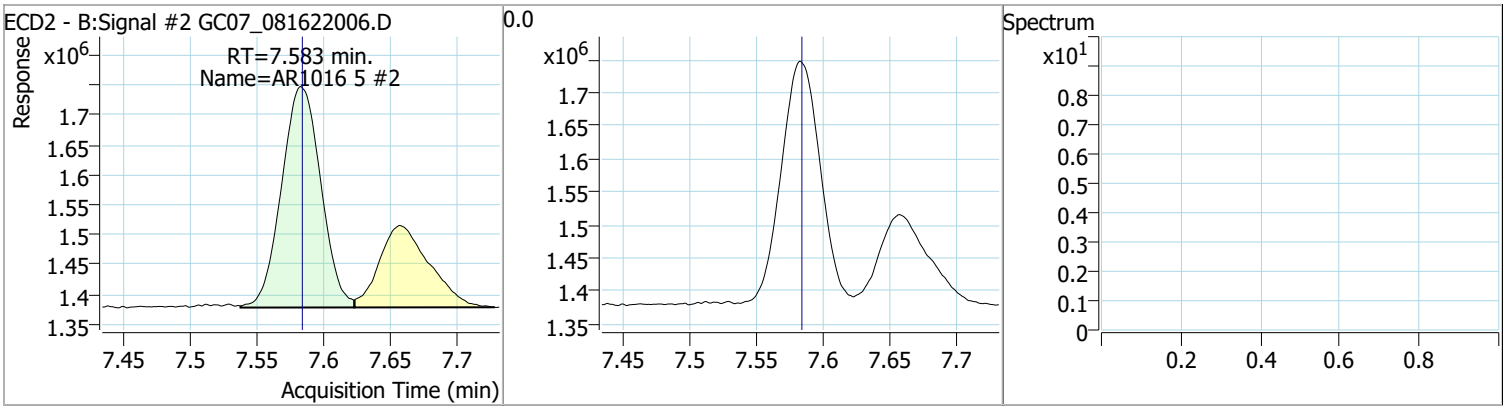
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	378.3220	6.73	0.00	1428683				



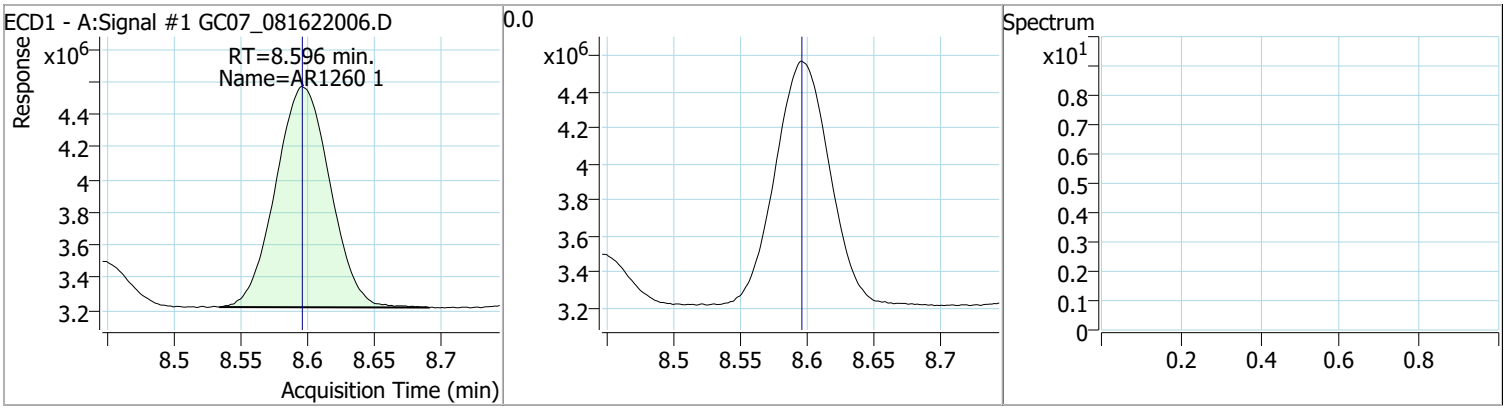
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	380.0405	6.90	0.00	1016584				



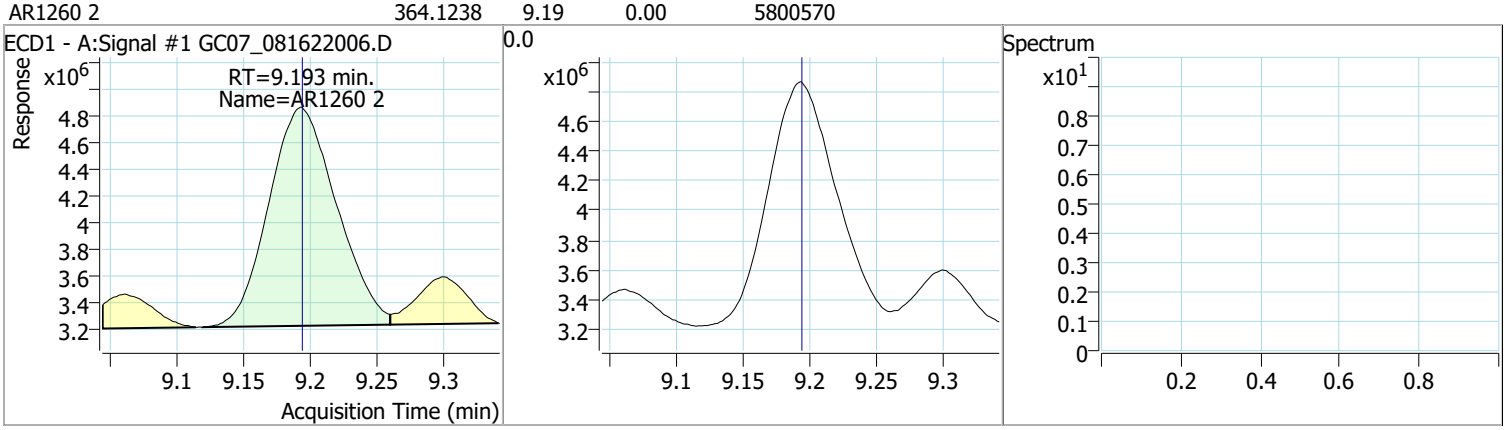
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	358.1473	7.58	0.00	760870				



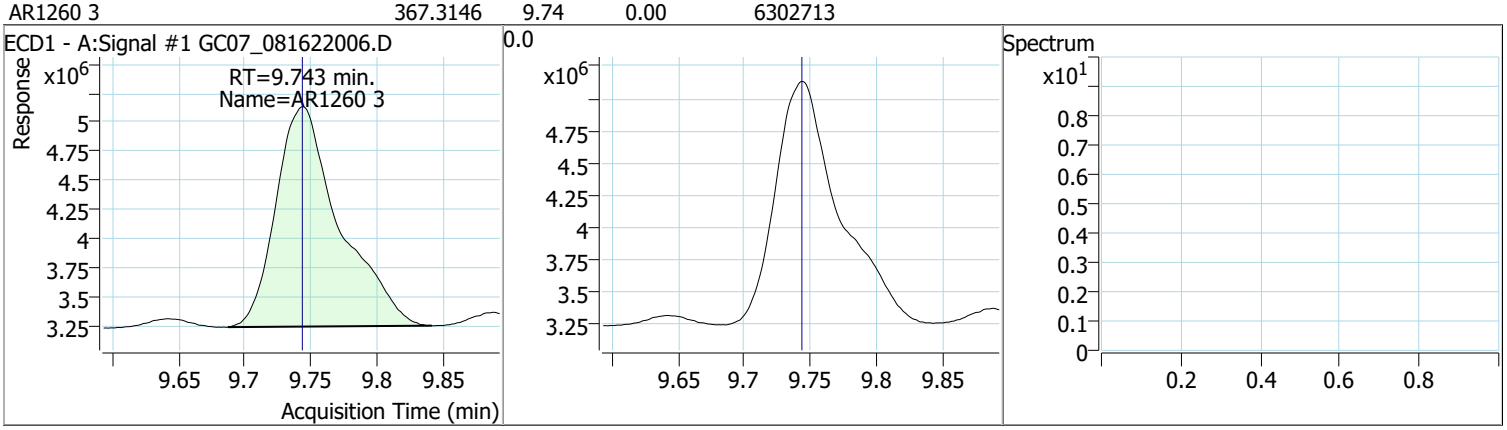
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	359.9128	8.60	0.00	3861688				



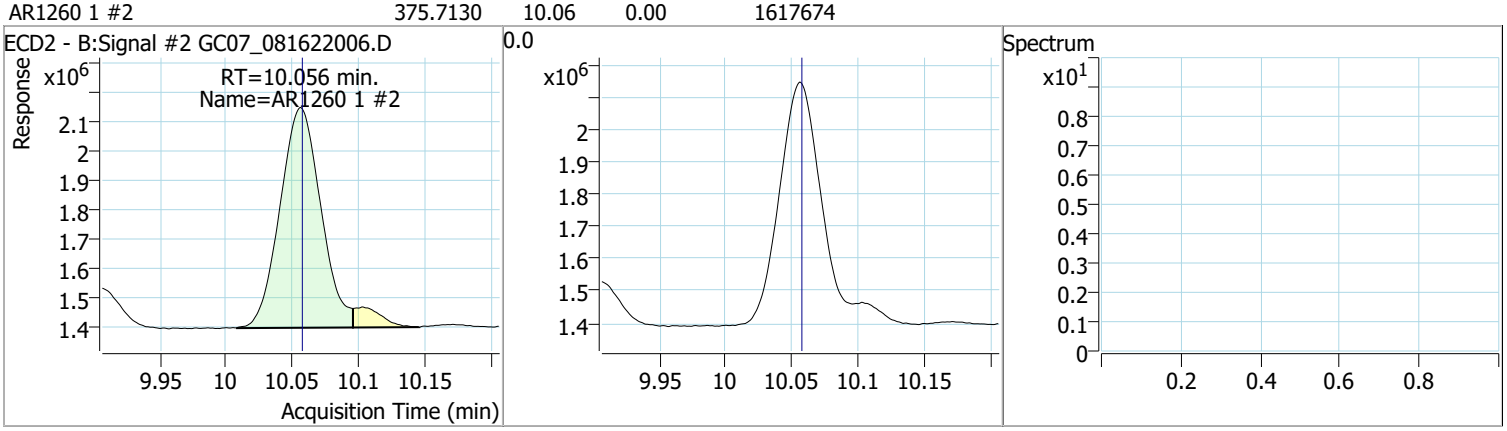
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	364.1238	9.19	0.00	5800570				



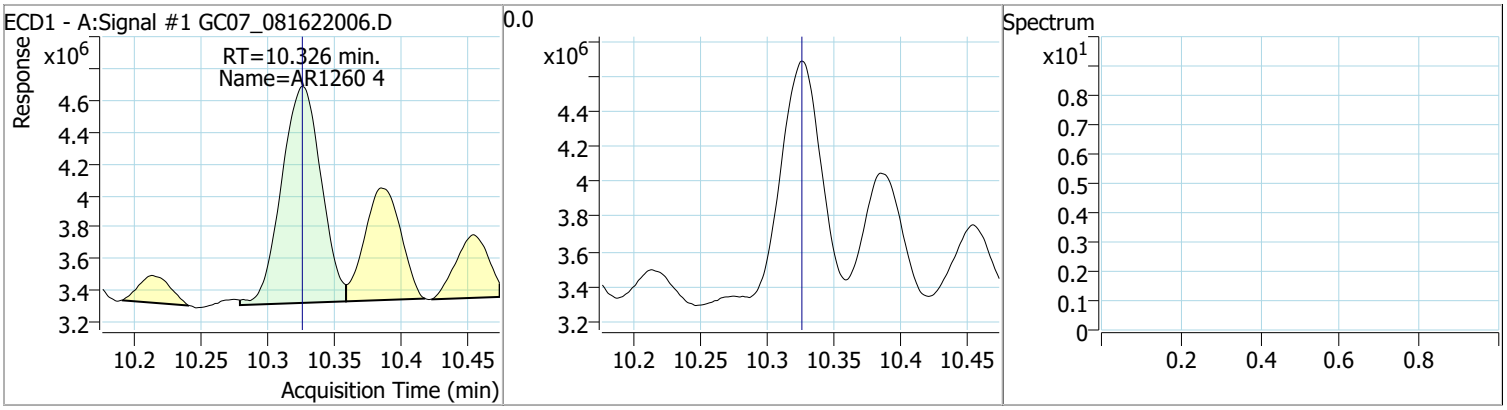
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	367.3146	9.74	0.00	6302713				



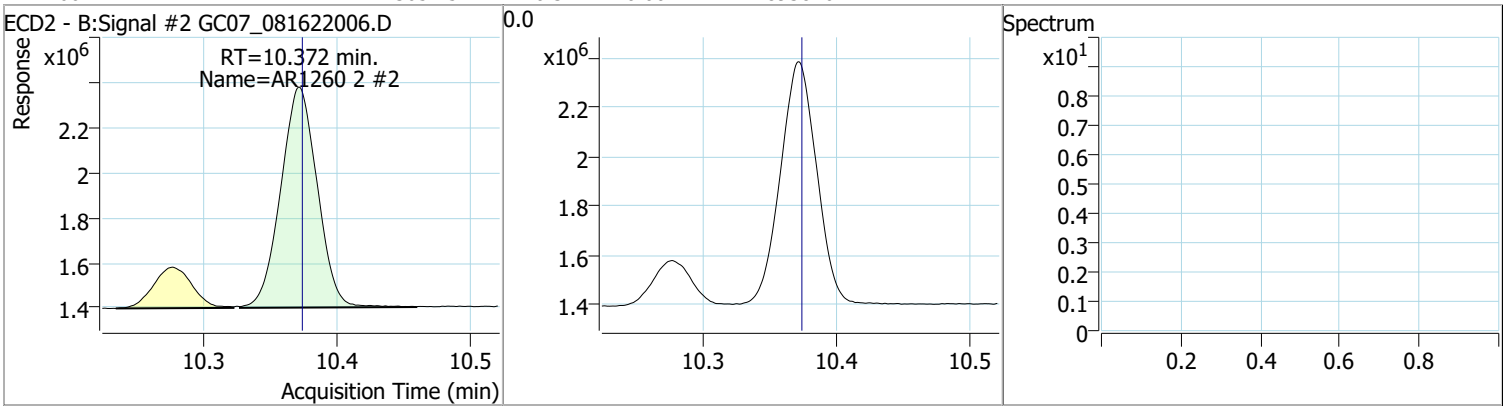
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	375.7130	10.06	0.00	1617674				



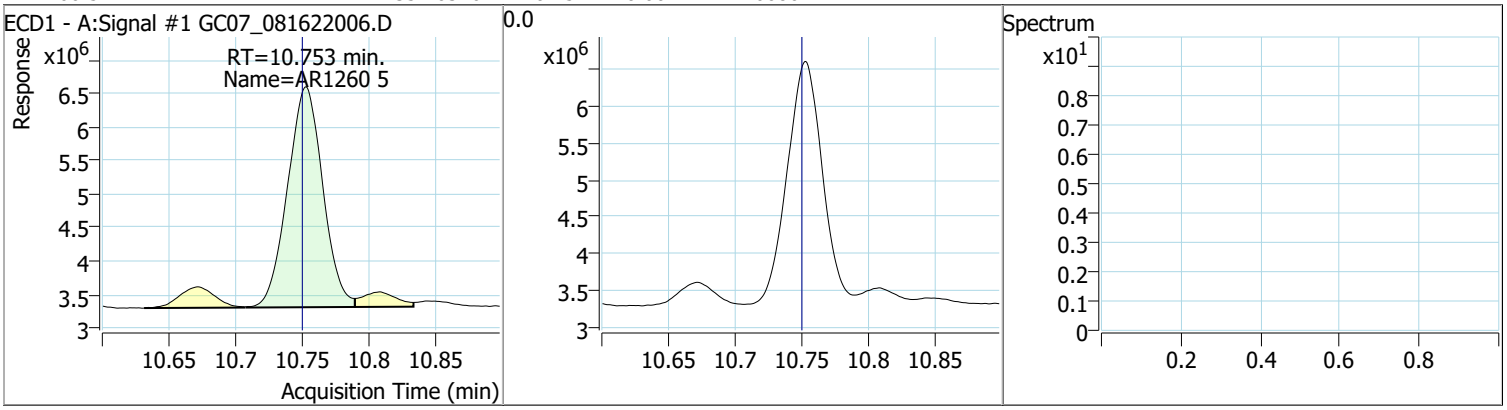
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	353.2679	10.33	0.00	2847172				



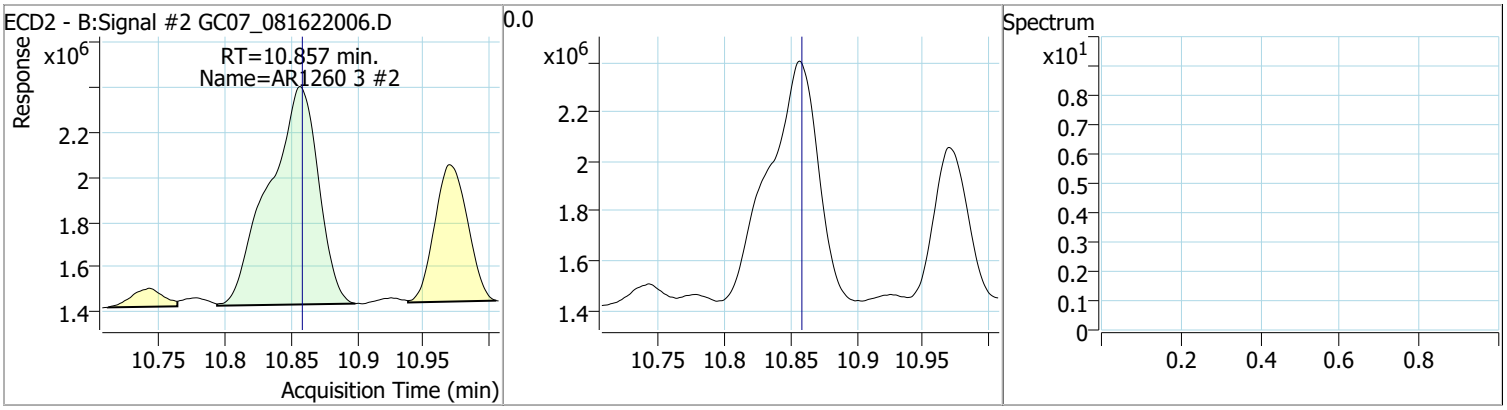
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	365.7521	10.37	0.00	1893820				



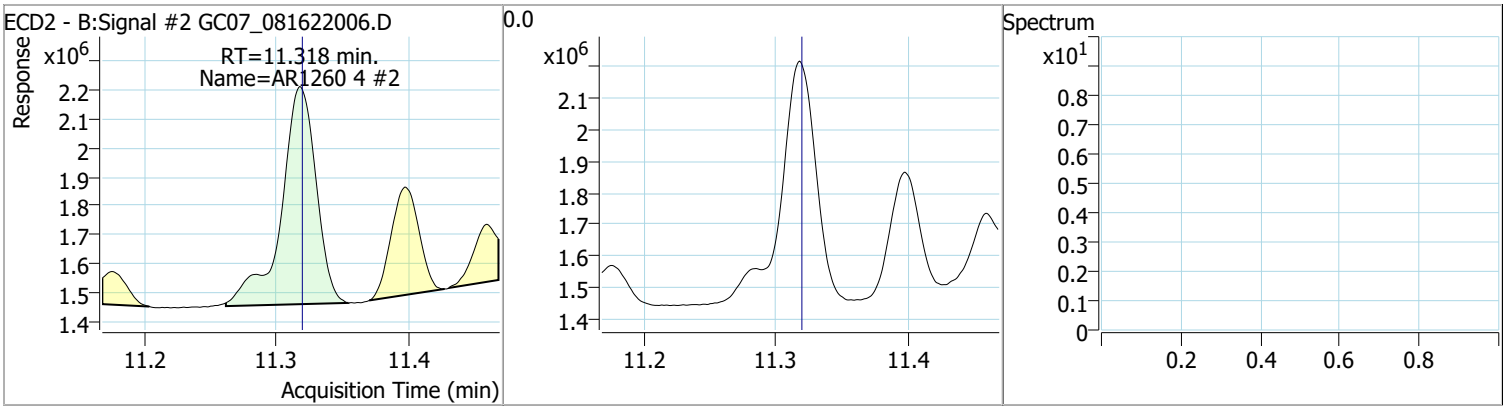
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	354.0316	10.75	0.00	6080271				



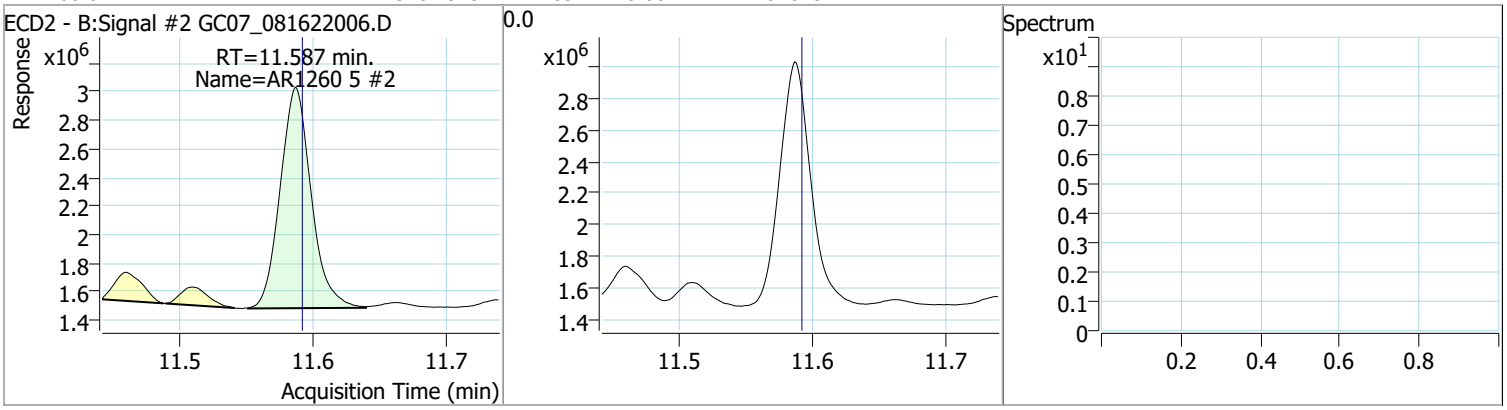
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	369.0856	10.86	0.00	2525234				



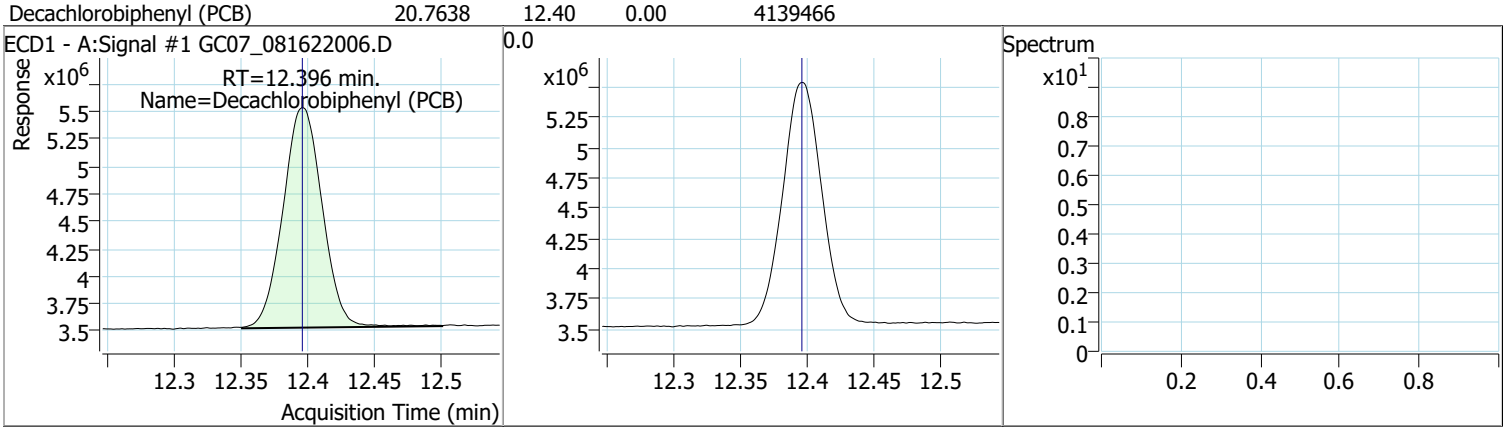
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	369.9542	11.32	0.00	1384561				



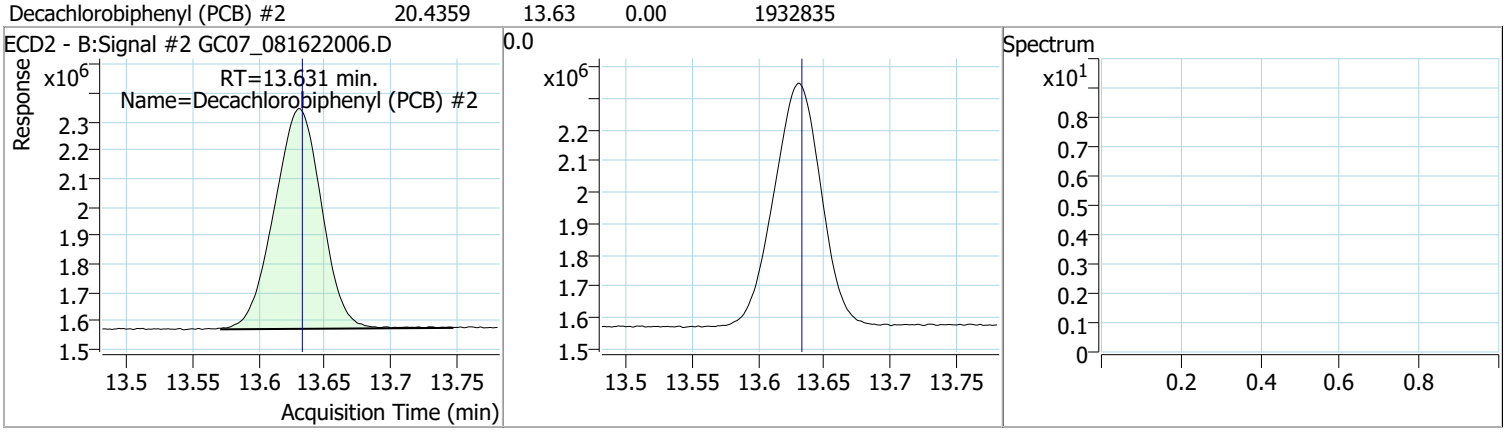
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	340.7979	11.59	0.00	2518254				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	20.7638	12.40	0.00	4139466				

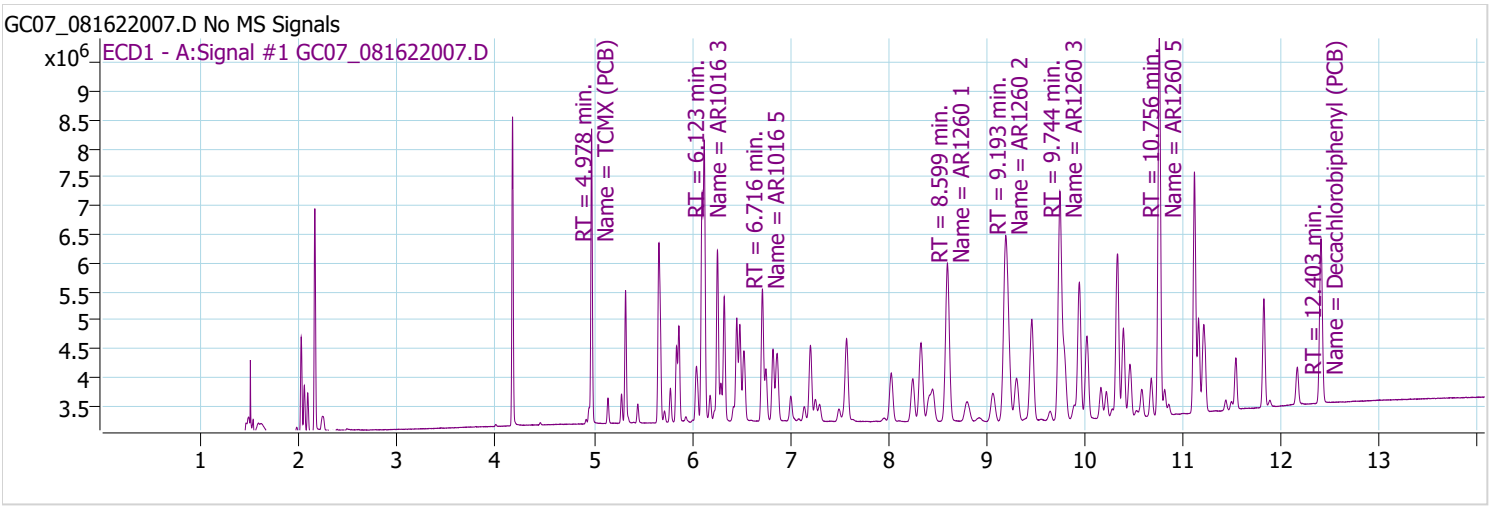


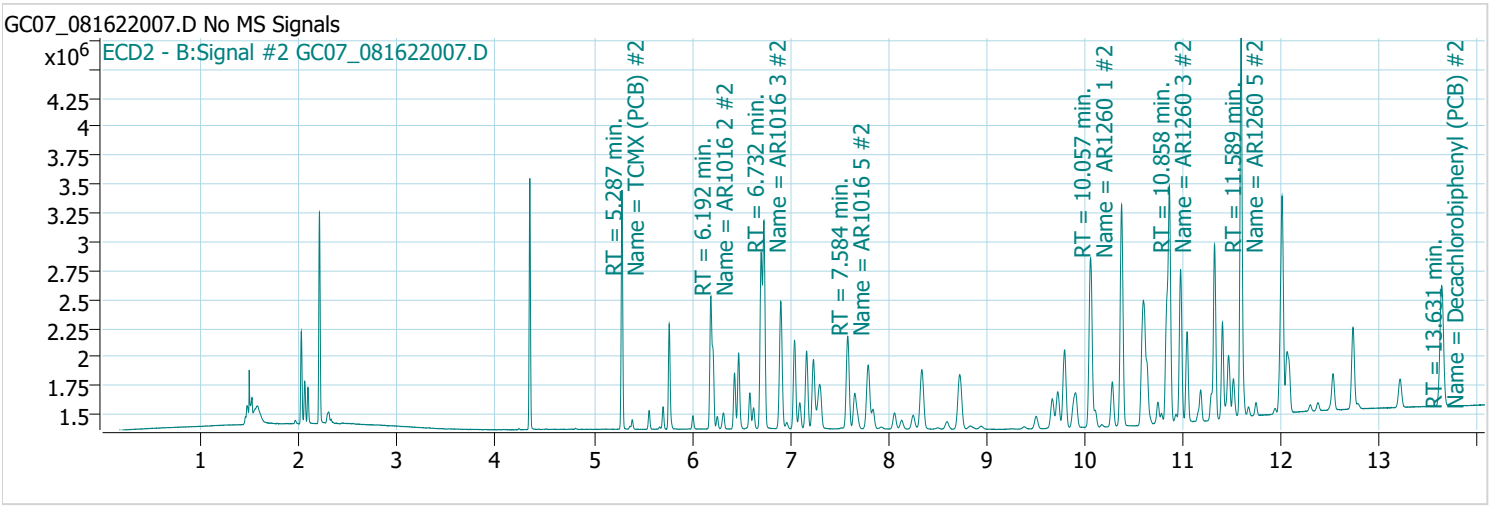
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	20.4359	13.63	0.00	1932835				



Quantitation Results Report (Not Reviewed)

Data File	GC07_081622007.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	8/16/2022 8:48:31 PM
Sample Name	ICAL, S16726, 2.66	Instrument	SVOA-GC07
Vial	36	Multiplier	1.00
DA Method File	PCB_608_081622_GC07_2.m	Comment	750 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	081622PCBICAL.batch.bin	Last Calib Update	8/18/2022 11:24:04 AM
Ref Library			



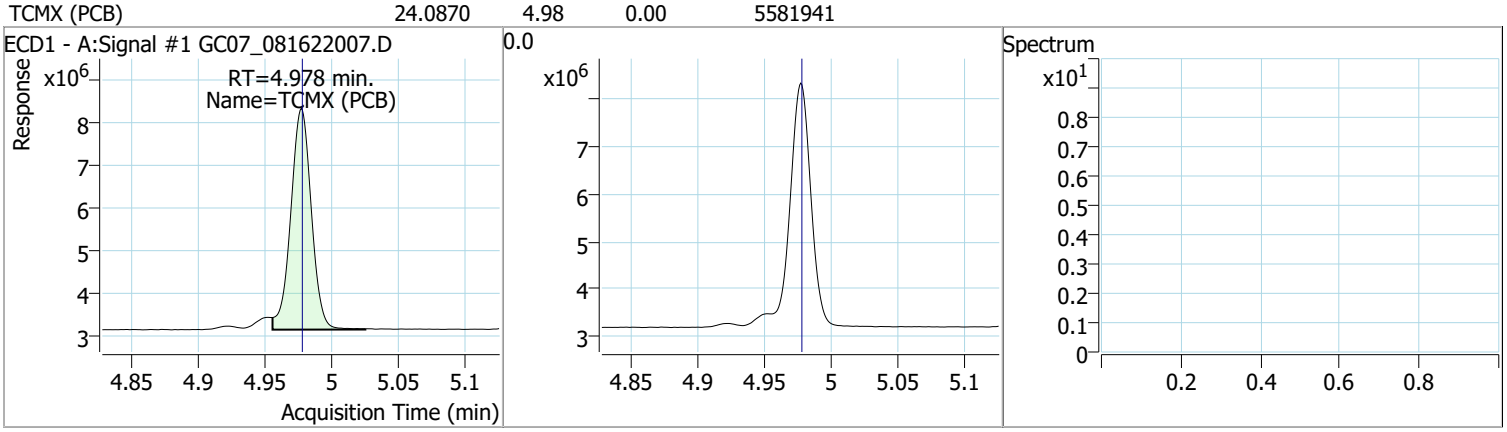


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.173	0.0	5165699.625	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.348	0.0	1957569.852	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.978	0.0	5581941.210	24.0870	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 120.44%		
S TCMX (PCB) #2	5.287	0.0	2206445.174	25.2629	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 126.31%		
S Decachlorobiphenyl (PCB)	12.403	0.0	5858715.236	24.1049	ng/ml	0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 120.52%		
S Decachlorobiphenyl (PCB) #2	13.631	0.0	2730768.974	23.4034	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 117.02%		
Target Compounds						QValue

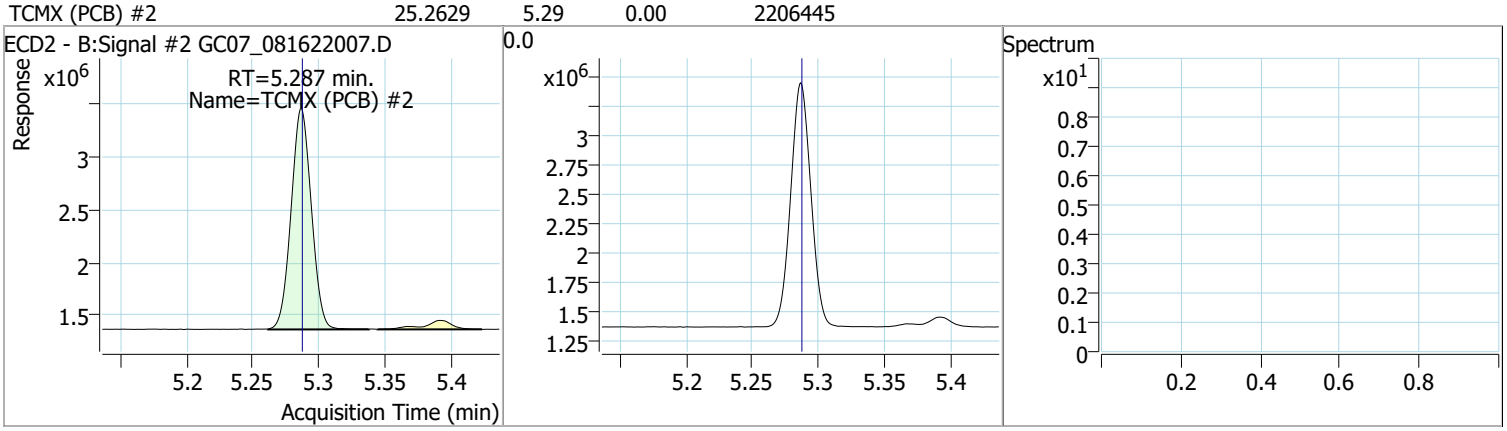
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.323	0.0	2790584.163	607.5989	ng/ml		100
T AR1016 2	5.663	0.0	5505603.054	590.7183	ng/ml		100
T AR1016 1 #2	5.768	0.0	1153665.194	625.0220	ng/ml		100
T AR1016 3	6.123	0.0	6815233.851	609.8956	ng/ml	m	100
T AR1016 2 #2	6.192	0.0	2432969.767	636.5760	ng/ml		100
T AR1016 4	6.258	0.0	4391902.813	597.4546	ng/ml		100
T AR1016 5	6.716	0.0	3941550.014	609.4375	ng/ml		100
T AR1016 3 #2	6.732	0.0	2898378.343	622.1225	ng/ml		100
T AR1016 4 #2	6.903	0.0	2120303.168	642.5097	ng/ml		100
T AR1016 5 #2	7.584	0.0	1693306.476	646.0730	ng/ml		100
T AR1260 1	8.599	0.0	7681427.216	587.2229	ng/ml		100
T AR1260 2	9.193	0.0	11569856.556	595.7271	ng/ml		100
T AR1260 3	9.744	0.0	12823799.319	613.0111	ng/ml		100
T AR1260 1 #2	10.057	0.0	3281142.149	617.7108	ng/ml	m	100
T AR1260 4	10.332	0.0	5863584.789	596.7530	ng/ml		100
T AR1260 2 #2	10.373	0.0	3809439.412	596.3540	ng/ml		100
T AR1260 5	10.756	0.0	12663871.638	604.8205	ng/ml		100
T AR1260 3 #2	10.858	0.0	5147643.680	609.8585	ng/ml		100
T AR1260 4 #2	11.318	0.0	2629653.185	569.5467	ng/ml		100
T AR1260 5 #2	11.589	0.0	5333903.692	585.1101	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

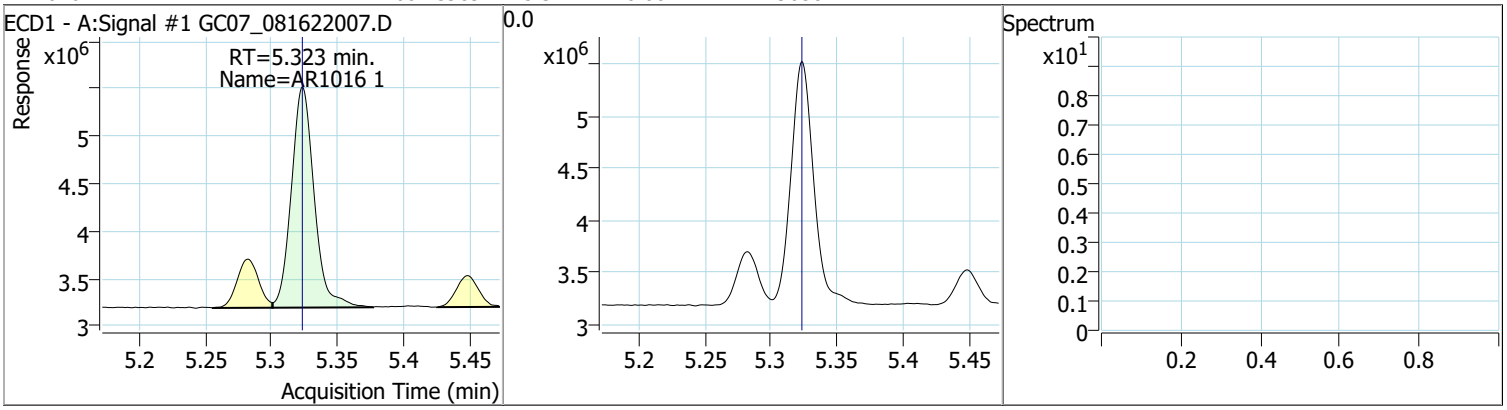
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	24.0870	4.98	0.00	5581941				



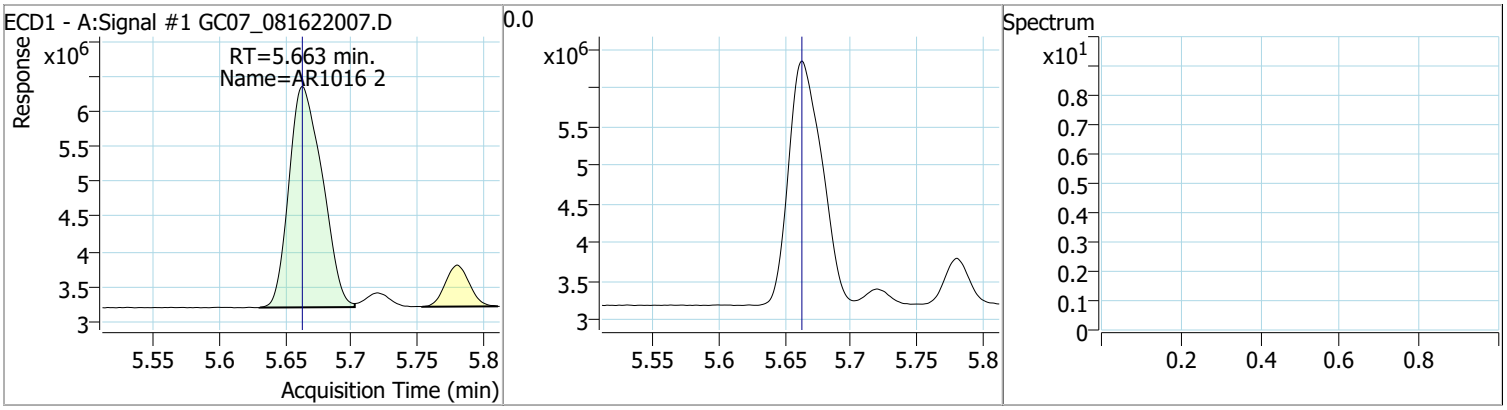
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	25.2629	5.29	0.00	2206445				



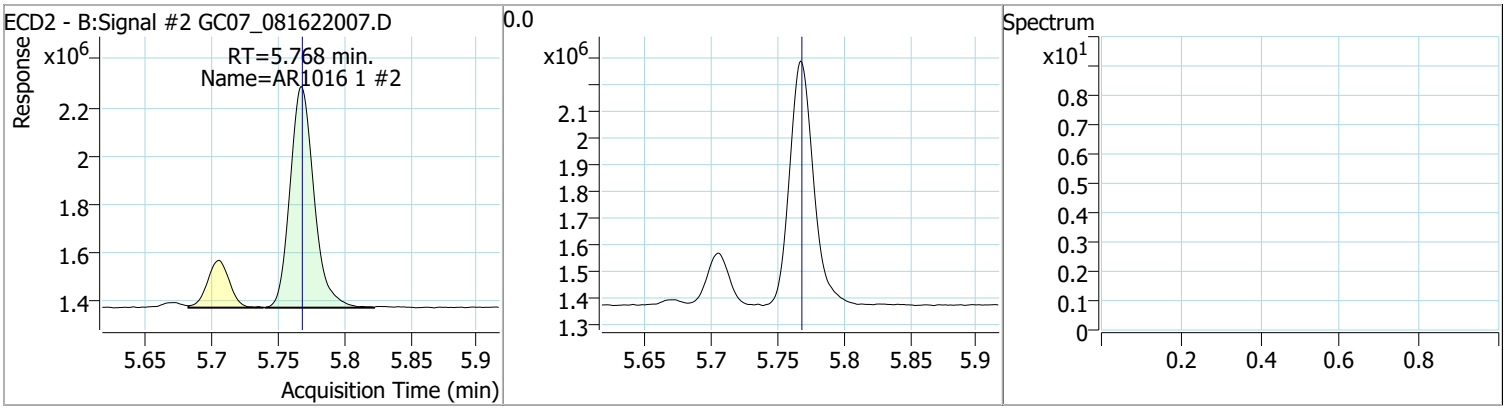
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	607.5989	5.32	0.00	2790584				



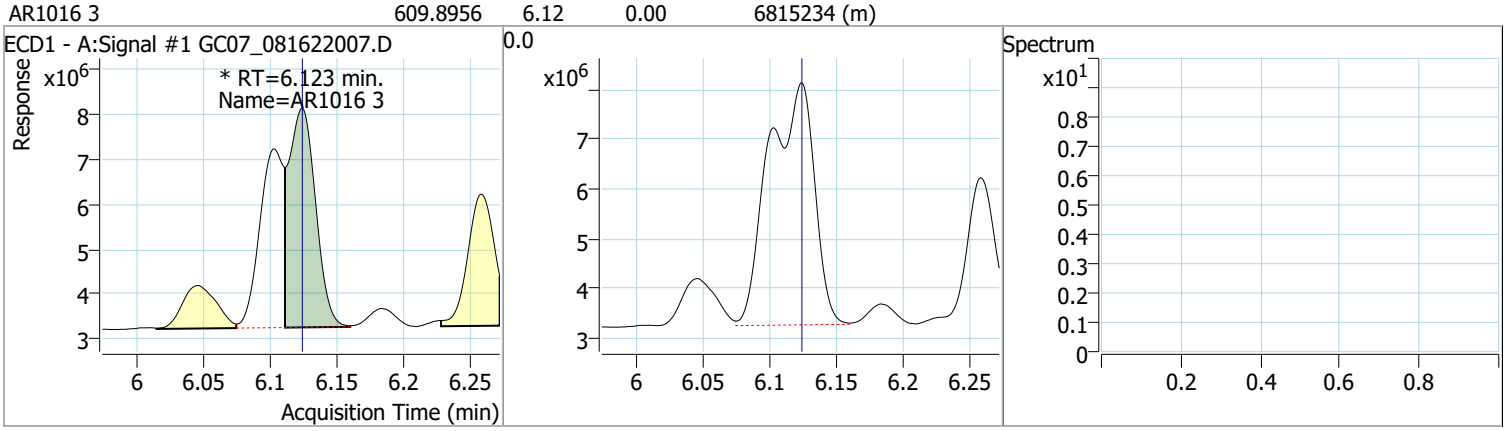
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	590.7183	5.66	0.00	5505603				



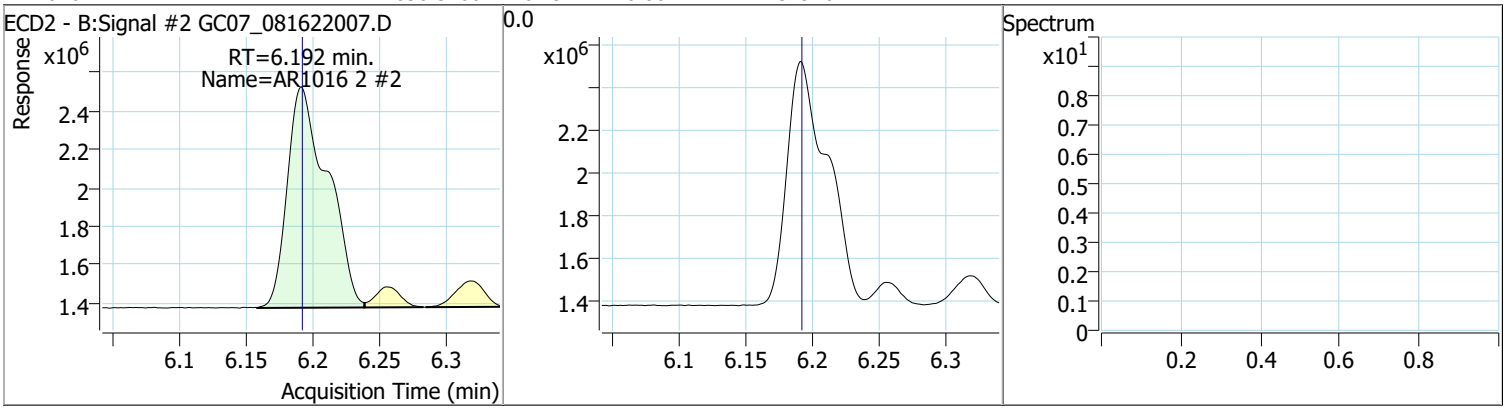
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	625.0220	5.77	0.00	1153665				



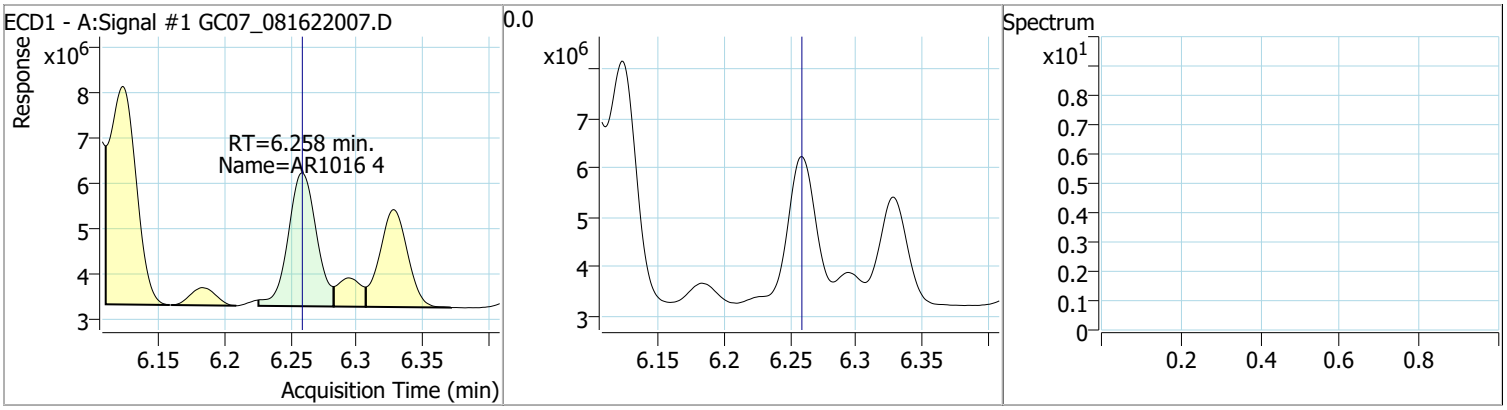
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	609.8956	6.12	0.00	6815234 (m)				



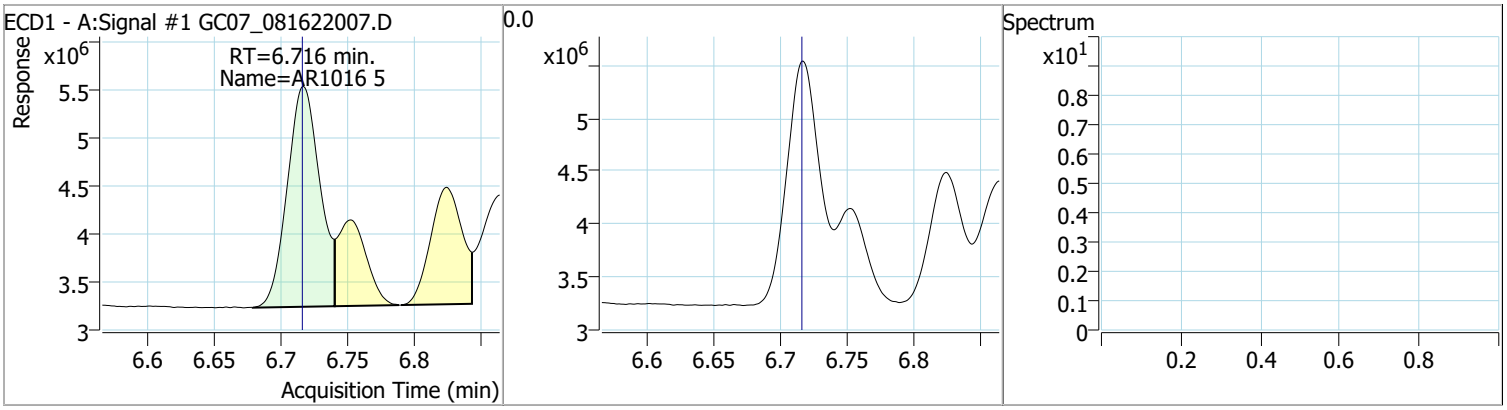
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	636.5760	6.19	0.00	2432970				



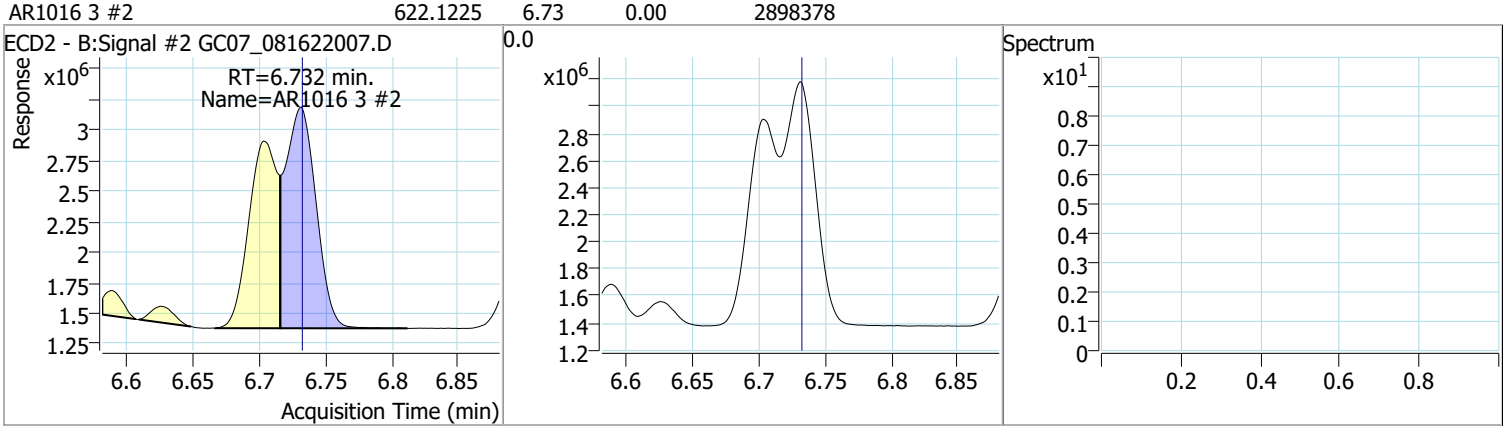
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	597.4546	6.26	0.00	4391903				



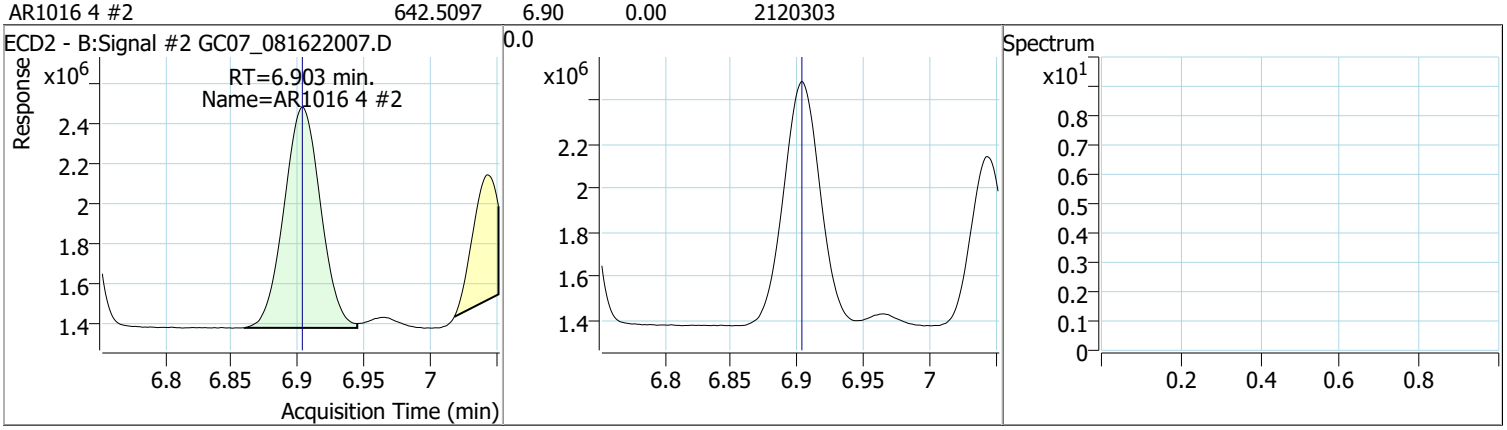
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	609.4375	6.72	0.00	3941550				



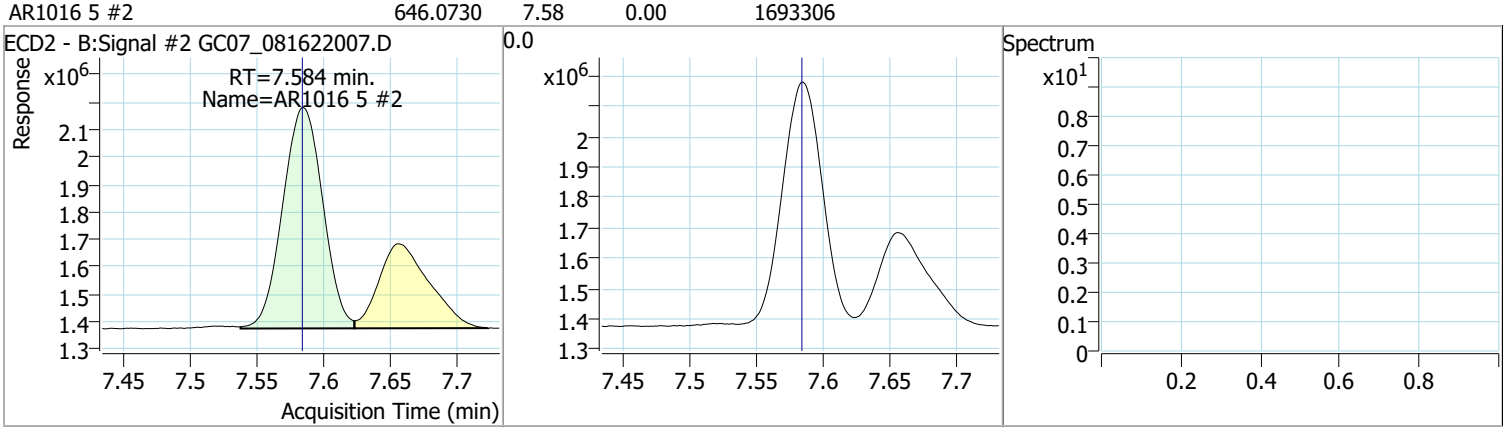
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	622.1225	6.73	0.00	2898378				



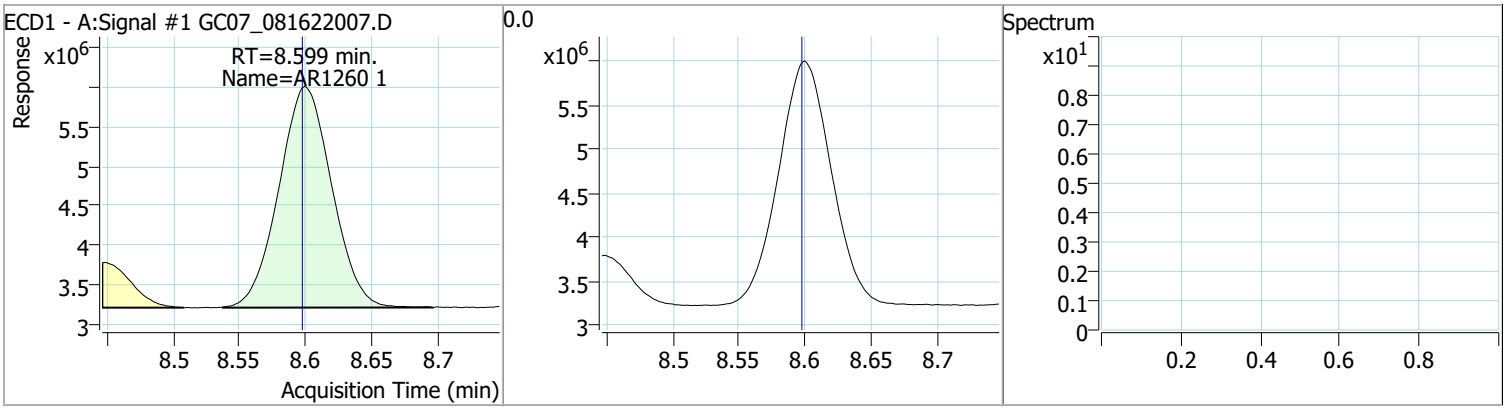
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	642.5097	6.90	0.00	2120303				



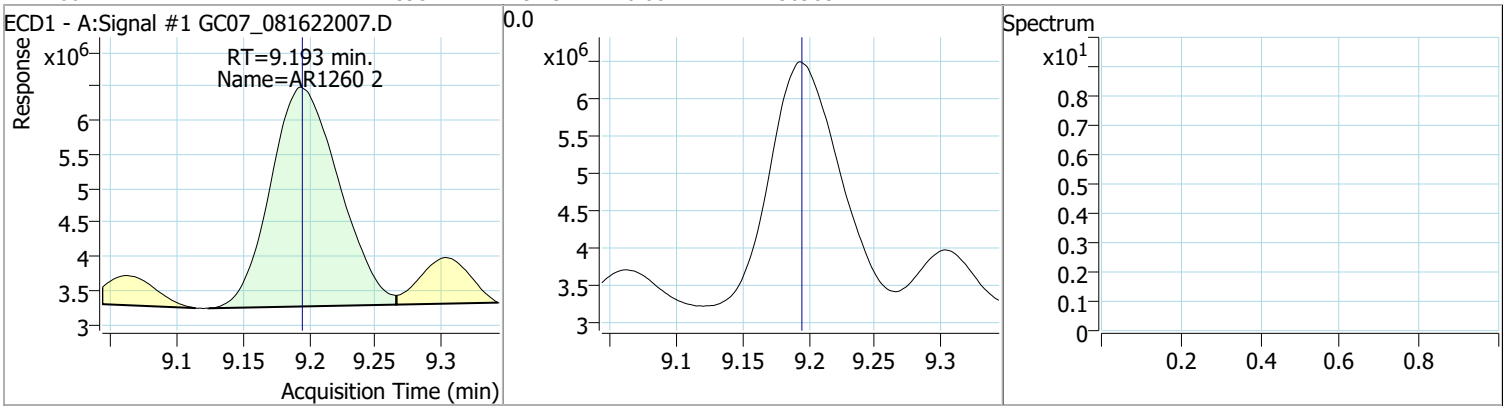
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	646.0730	7.58	0.00	1693306				



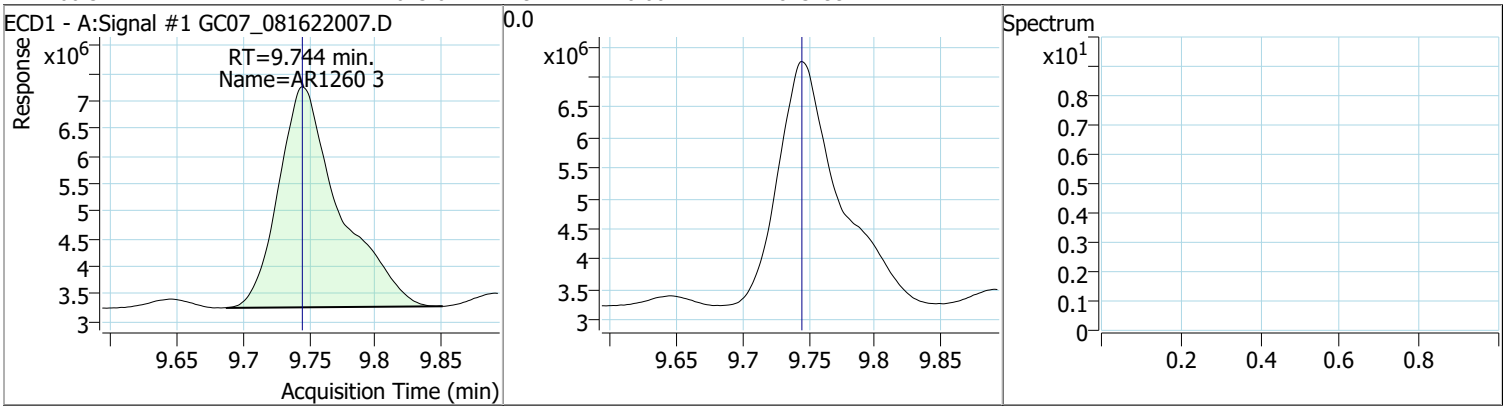
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	587.2229	8.60	0.00	7681427				



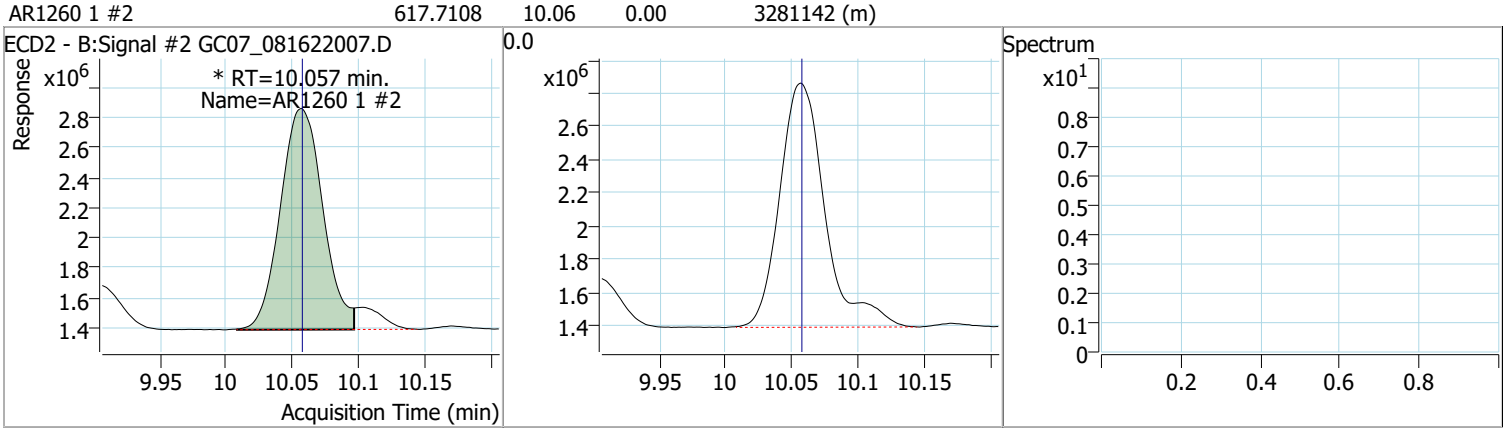
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	595.7271	9.19	0.00	11569857				



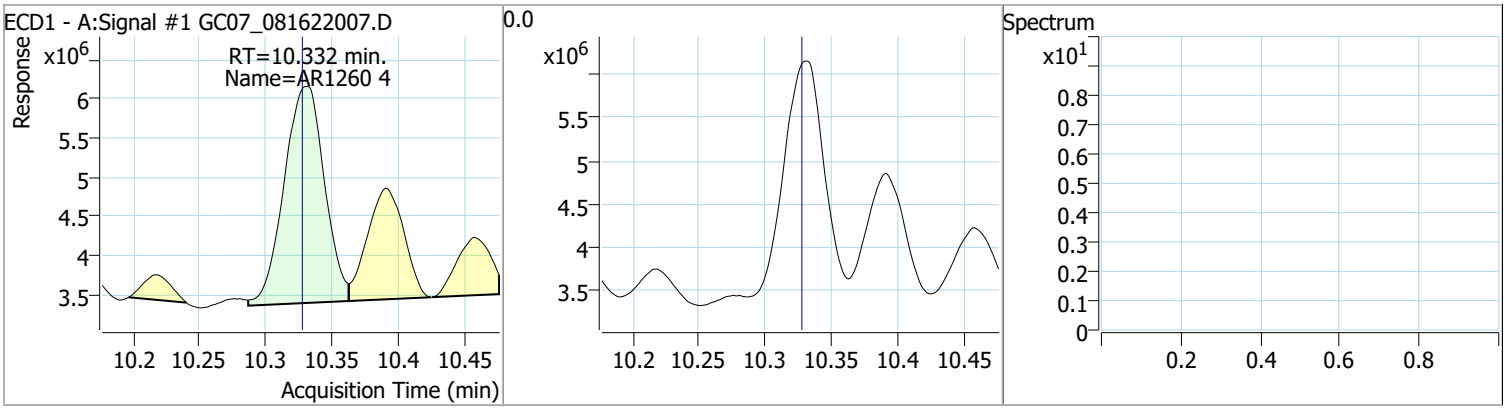
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	613.0111	9.74	0.00	12823799				



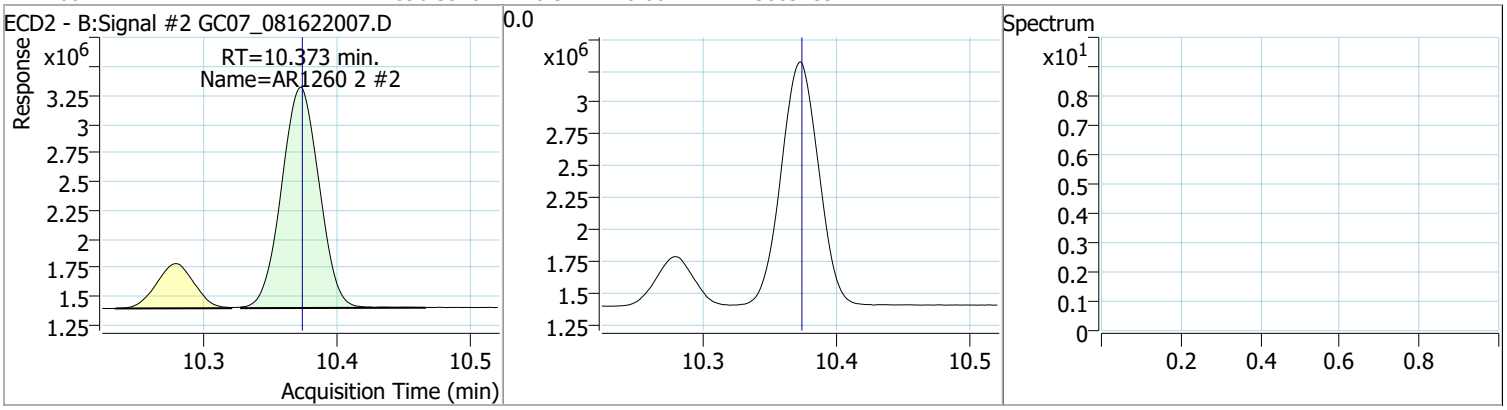
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	617.7108	10.06	0.00	3281142 (m)				



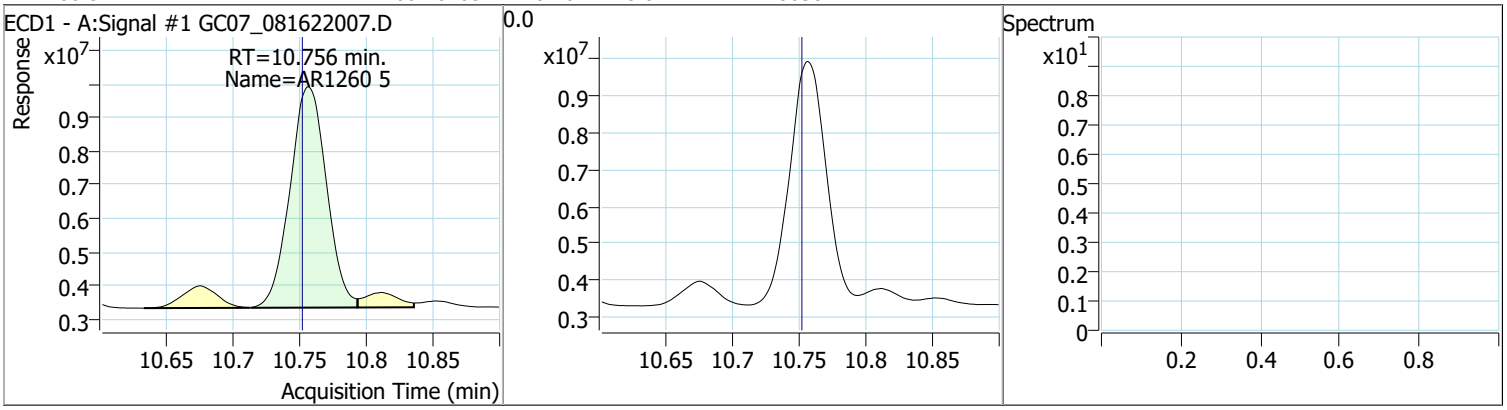
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	596.7530	10.33	0.01	5863585				



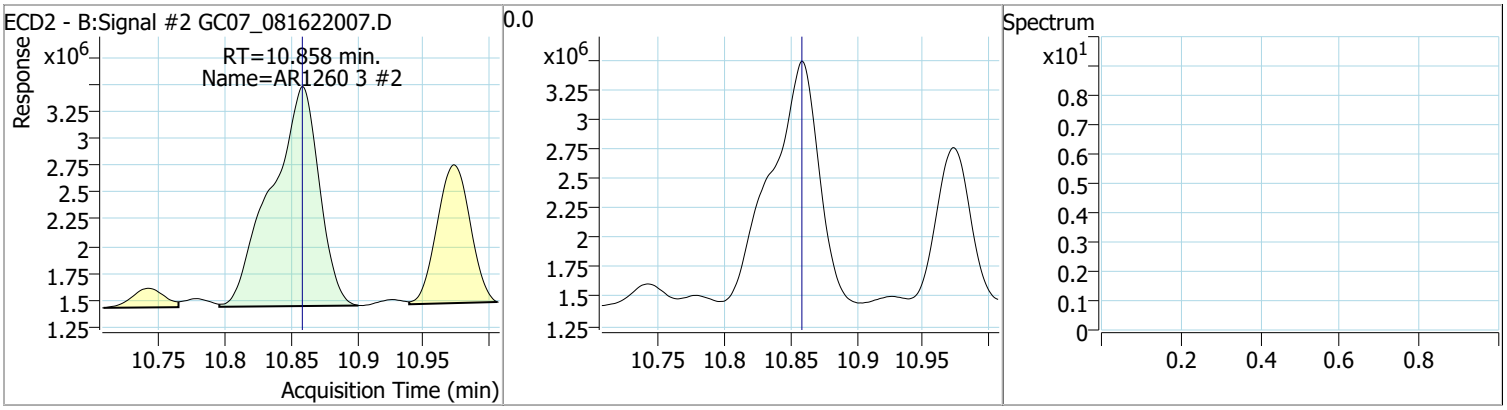
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	596.3540	10.37	0.00	3809439				



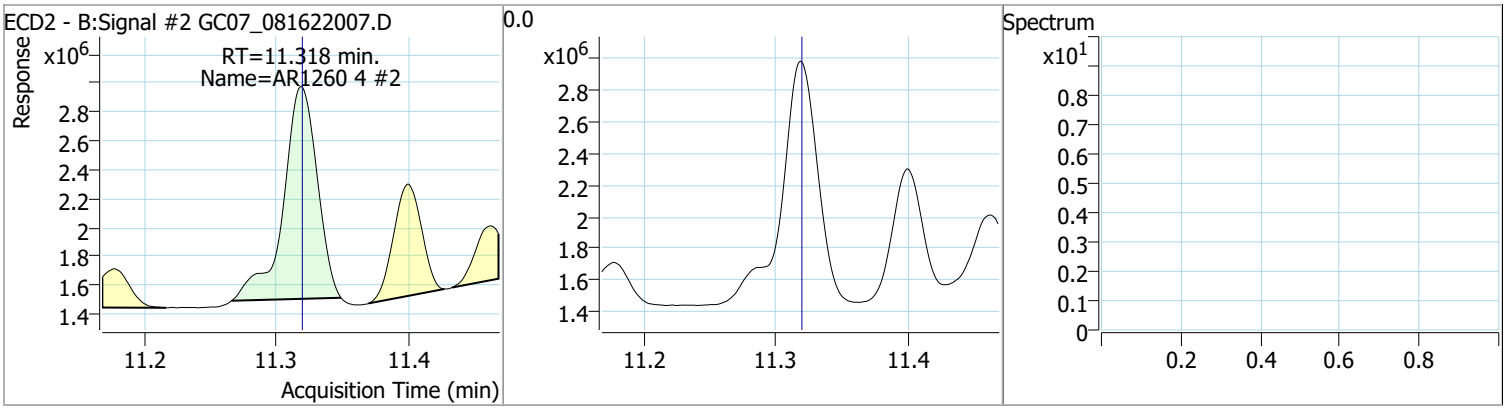
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	604.8205	10.76	0.01	12663872				



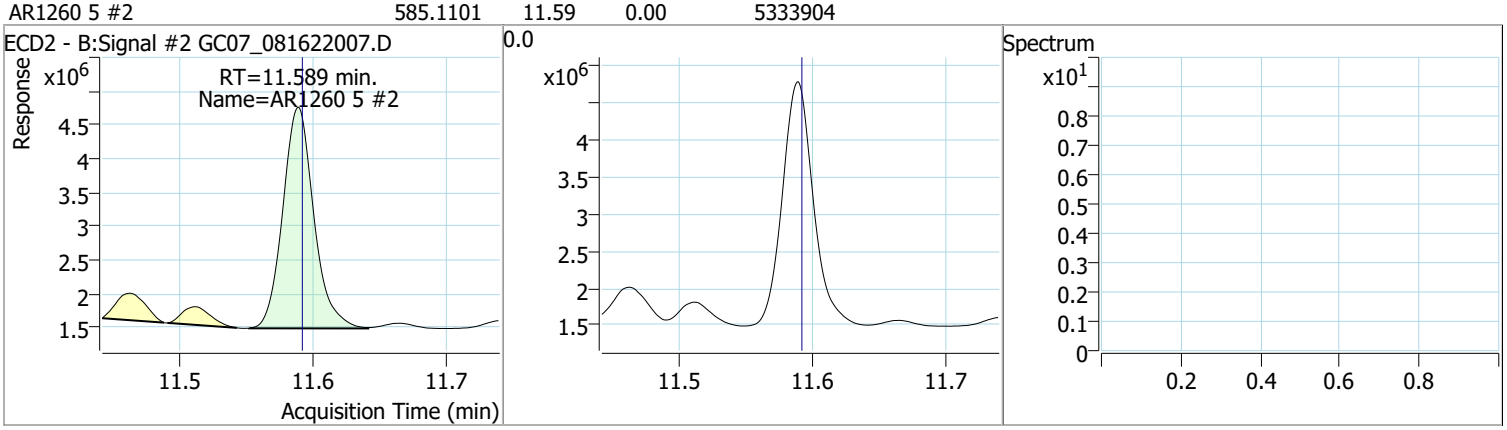
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	609.8585	10.86	0.00	5147644				



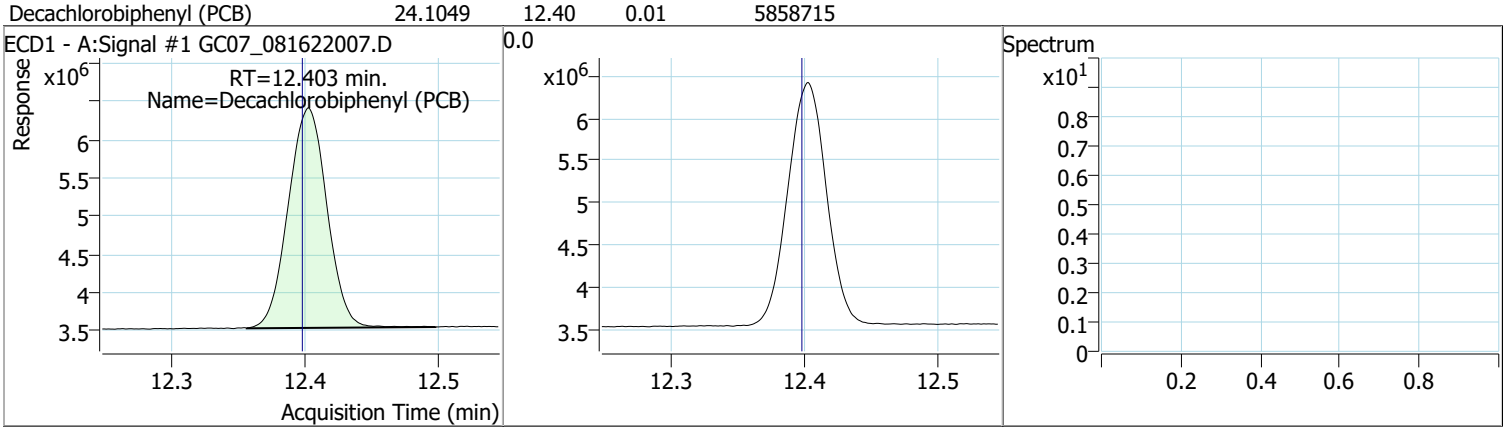
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	569.5467	11.32	0.00	2629653				



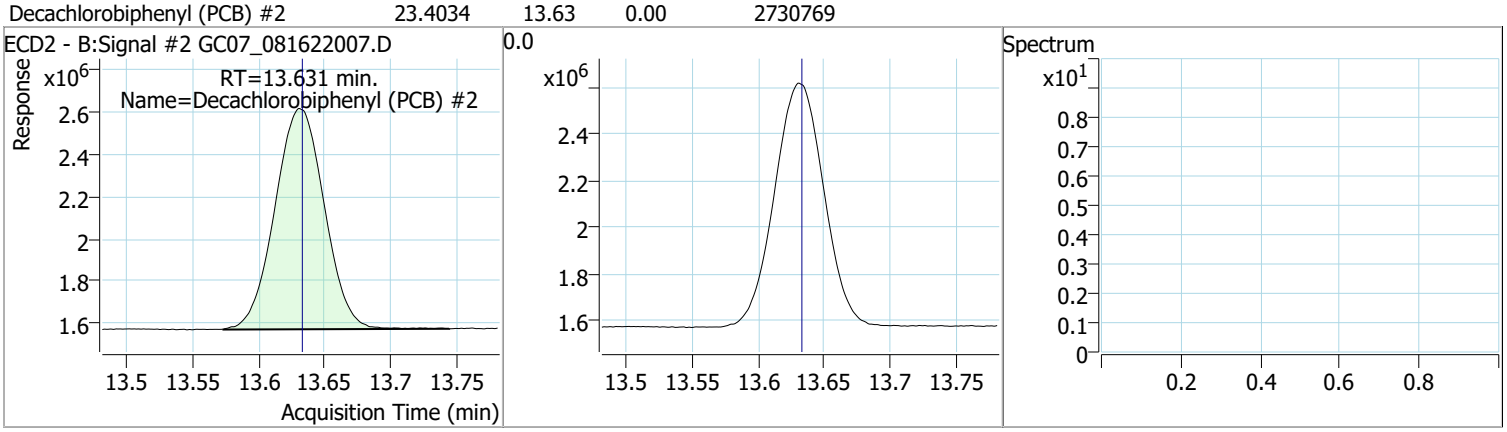
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	585.1101	11.59	0.00	5333904				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	24.1049	12.40	0.01	5858715				

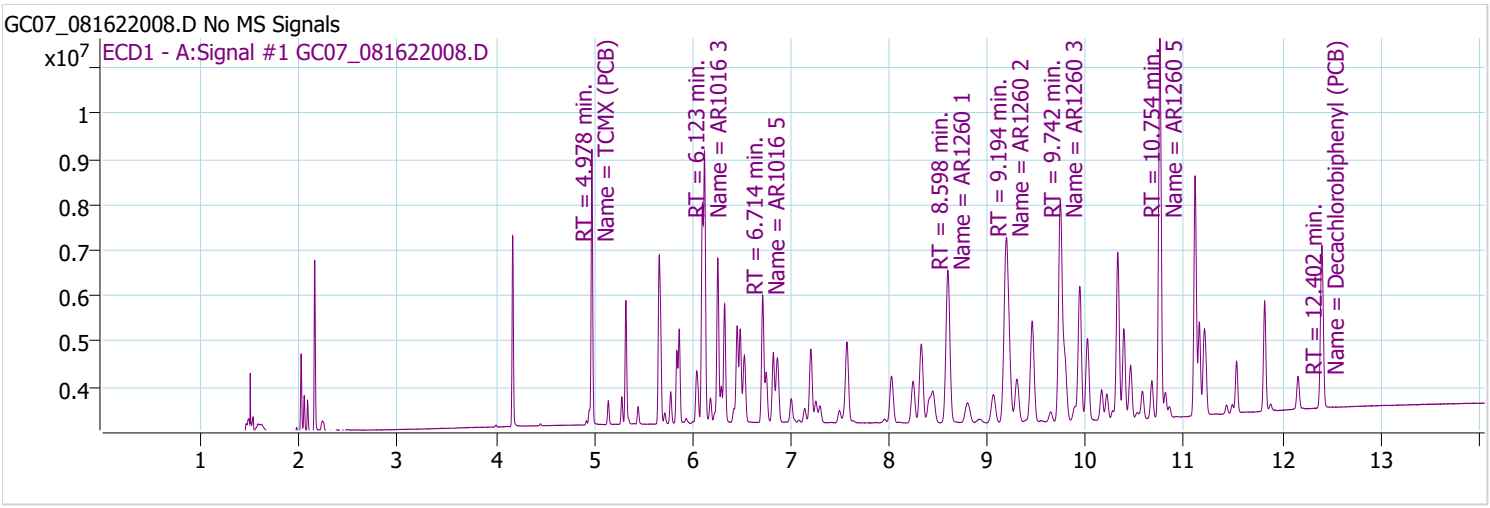


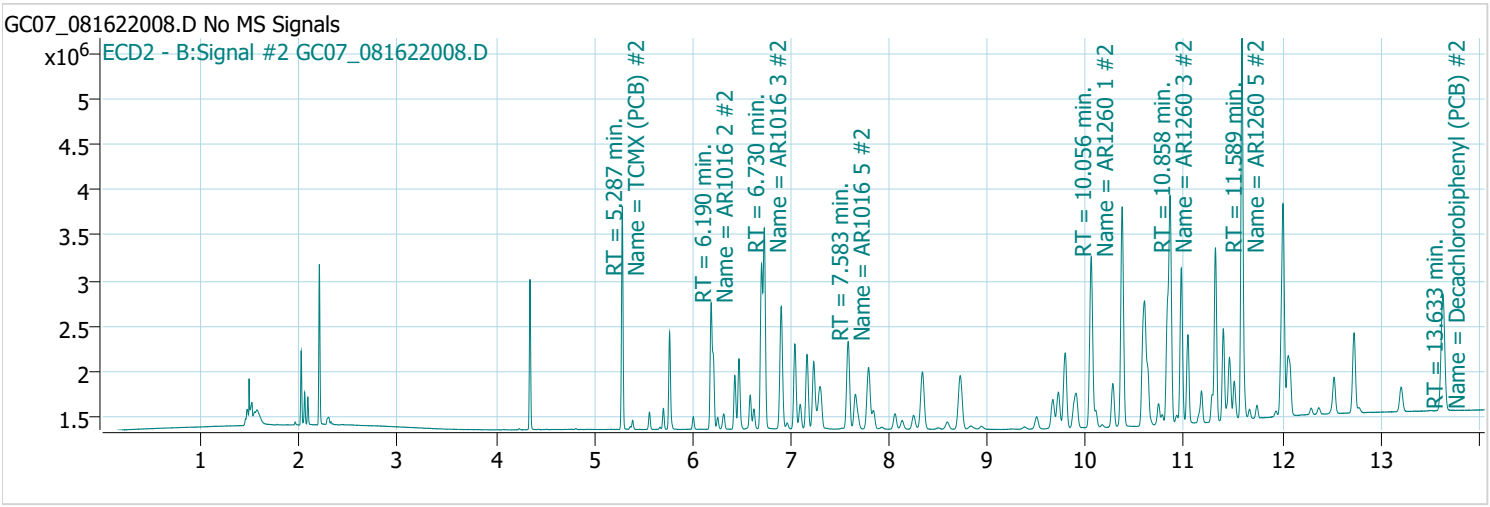
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	23.4034	13.63	0.00	2730769				



Quantitation Results Report (Not Reviewed)

Data File	GC07_081622008.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	8/16/2022 9:05:59 PM
Sample Name	ICAL,S16726, 2	Instrument	SVOA-GC07
Vial	37	Multiplier	1.00
DA Method File	PCB_608_081622_GC07_2.m	Comment	1000 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	081622PCBICAL.batch.bin	Last Calib Update	8/18/2022 11:24:04 AM
Ref Library			



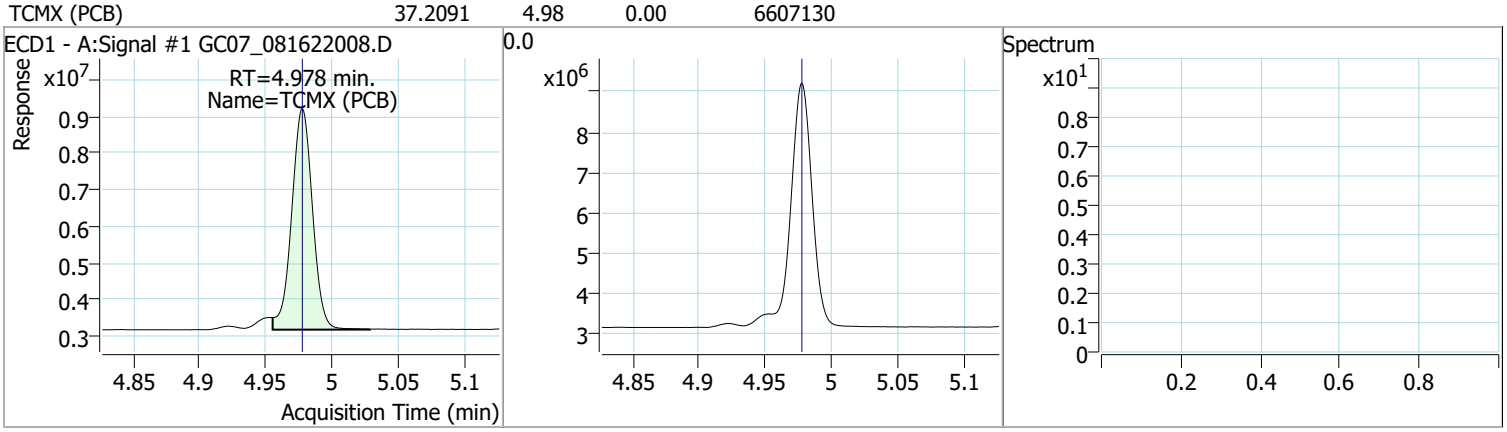


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.172	0.0	3958138.050	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.348	0.0	1481745.617	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.978	0.0	6607129.937	37.2091	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 186.05%		*	
S TCMX (PCB) #2	5.287	0.0	2645632.302	40.0188	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 200.09%		*	
S Decachlorobiphenyl (PCB)	12.402	0.0	7242566.143	38.8897	ng/ml		0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 194.45%		*	
S Decachlorobiphenyl (PCB) #2	13.633	0.0	3359101.910	38.0330	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 190.16%		*	
Target Compounds							QValue

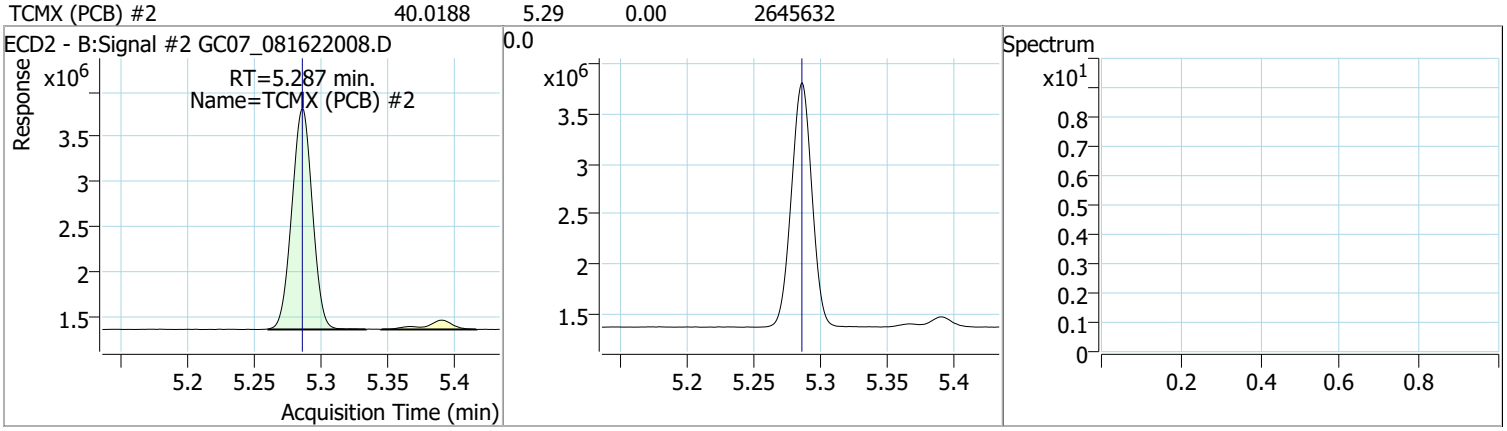
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.323	0.0	3266732.830	928.2686	ng/ml		100
T AR1016 2	5.663	0.0	6482457.832	907.7232	ng/ml		100
T AR1016 1 #2	5.768	0.0	1367249.644	978.6039	ng/ml		100
T AR1016 3	6.123	0.0	8065296.967	941.9619	ng/ml		100
T AR1016 2 #2	6.190	0.0	2891474.266	999.4855	ng/ml		100
T AR1016 4	6.258	0.0	5435659.974	965.0341	ng/ml		100
T AR1016 5	6.714	0.0	4719485.120	952.3464	ng/ml		100
T AR1016 3 #2	6.730	0.0	3514417.103	996.5928	ng/ml		100
T AR1016 4 #2	6.903	0.0	2558973.722	1024.4510	ng/ml		100
T AR1016 5 #2	7.583	0.0	2067131.960	1041.9762	ng/ml		100
T AR1260 1	8.598	0.0	9512121.239	949.0228	ng/ml		100
T AR1260 2	9.194	0.0	14323842.822	962.5363	ng/ml		100
T AR1260 3	9.742	0.0	15870016.010	990.0729	ng/ml		100
T AR1260 1 #2	10.056	0.0	4080355.727	1014.8499	ng/ml	m	100
T AR1260 4	10.326	0.0	7302434.067	969.9230	ng/ml		100
T AR1260 2 #2	10.370	0.0	4767143.817	985.9274	ng/ml		100
T AR1260 5	10.754	0.0	15774683.833	983.2385	ng/ml		100
T AR1260 3 #2	10.858	0.0	6496198.703	1016.7719	ng/ml		100
T AR1260 4 #2	11.319	0.0	3634033.116	1039.8325	ng/ml		100
T AR1260 5 #2	11.589	0.0	6748370.089	977.9911	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

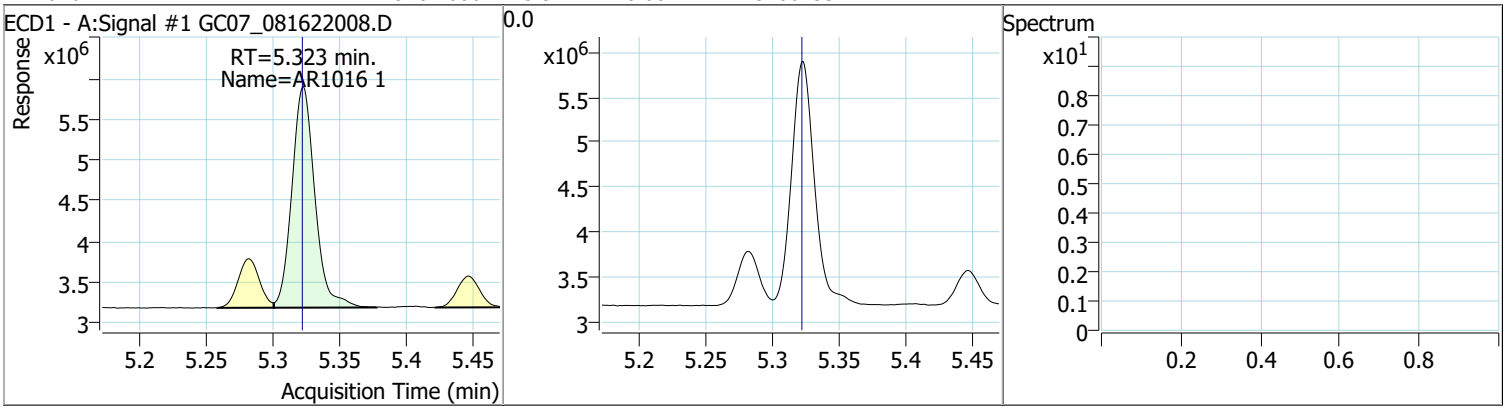
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	37.2091	4.98	0.00	6607130				



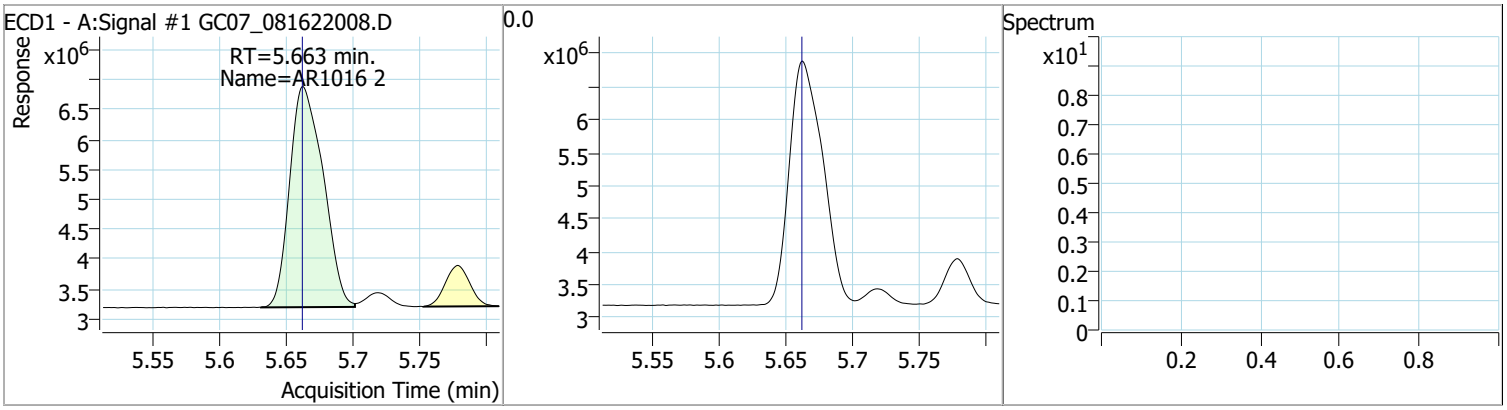
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	40.0188	5.29	0.00	2645632				



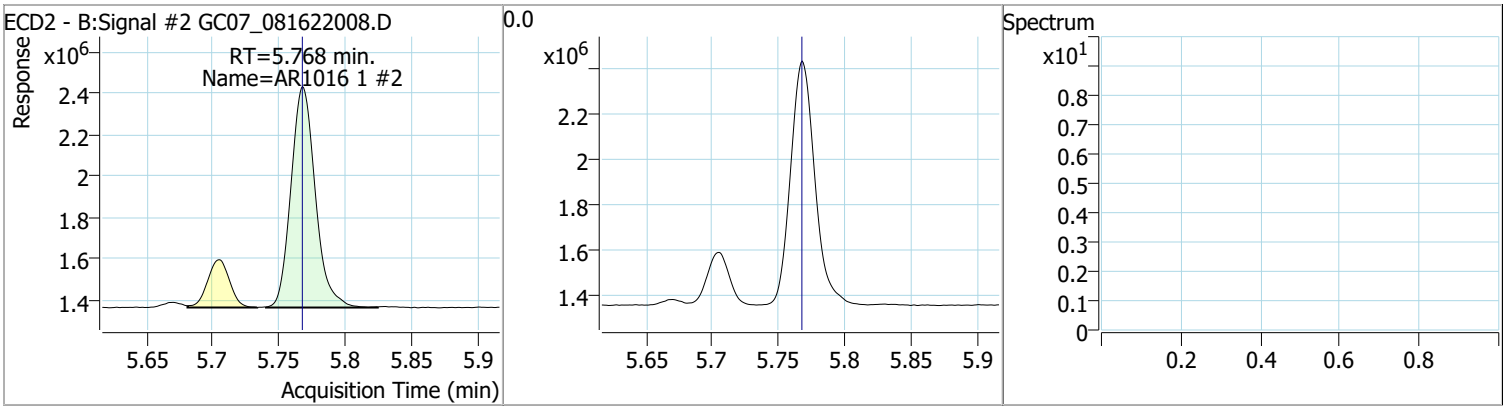
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	928.2686	5.32	0.00	3266733				



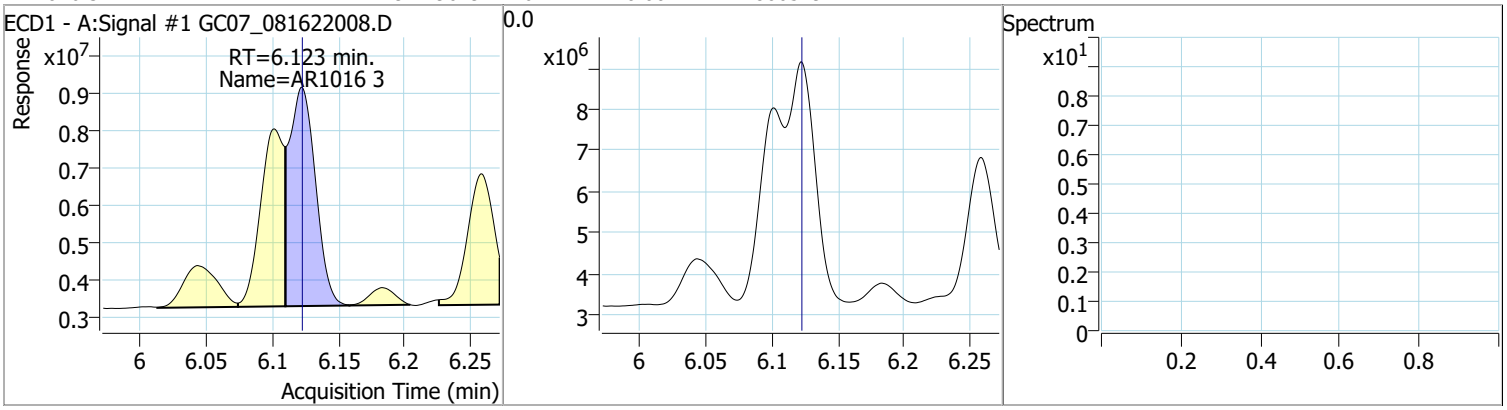
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	907.7232	5.66	0.00	6482458				



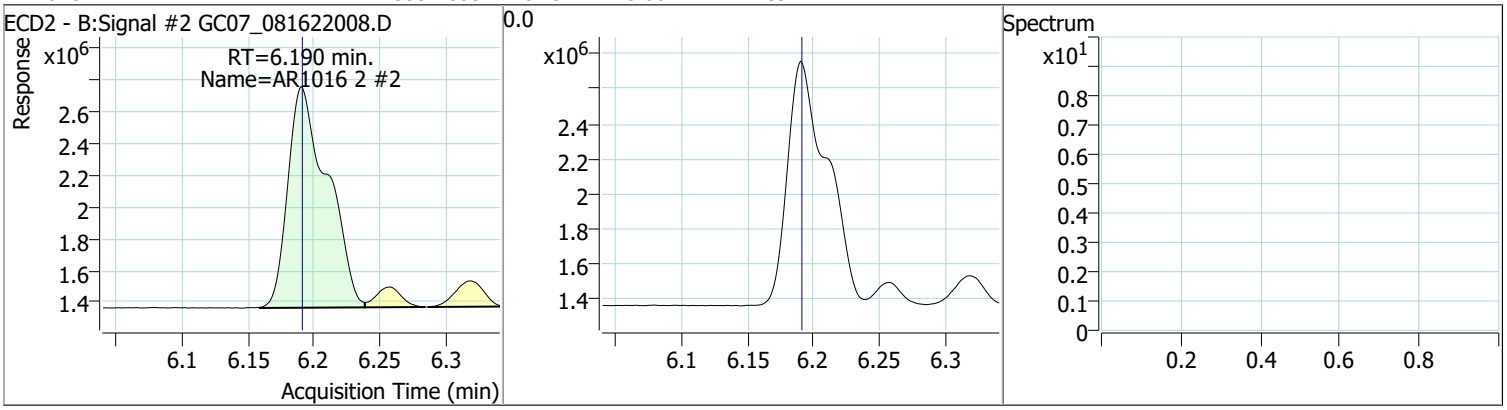
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	978.6039	5.77	0.00	1367250				



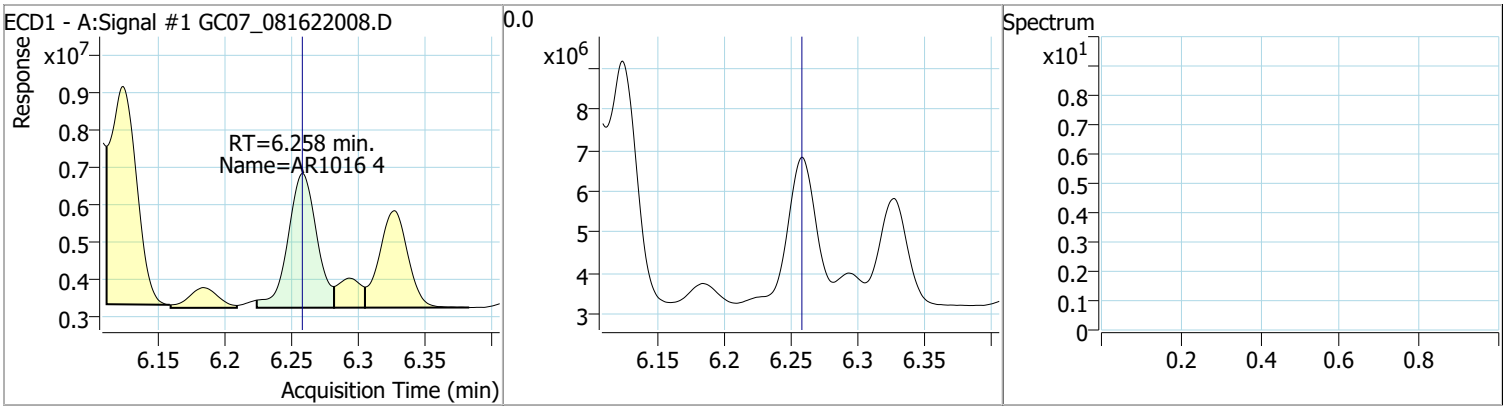
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	941.9619	6.12	0.00	8065297				



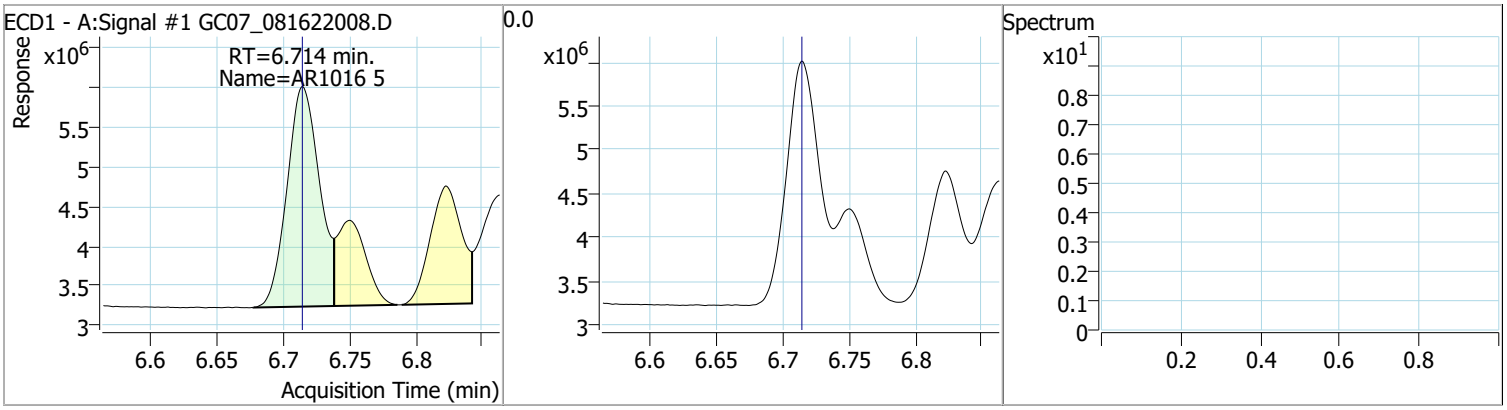
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	999.4855	6.19	0.00	2891474				



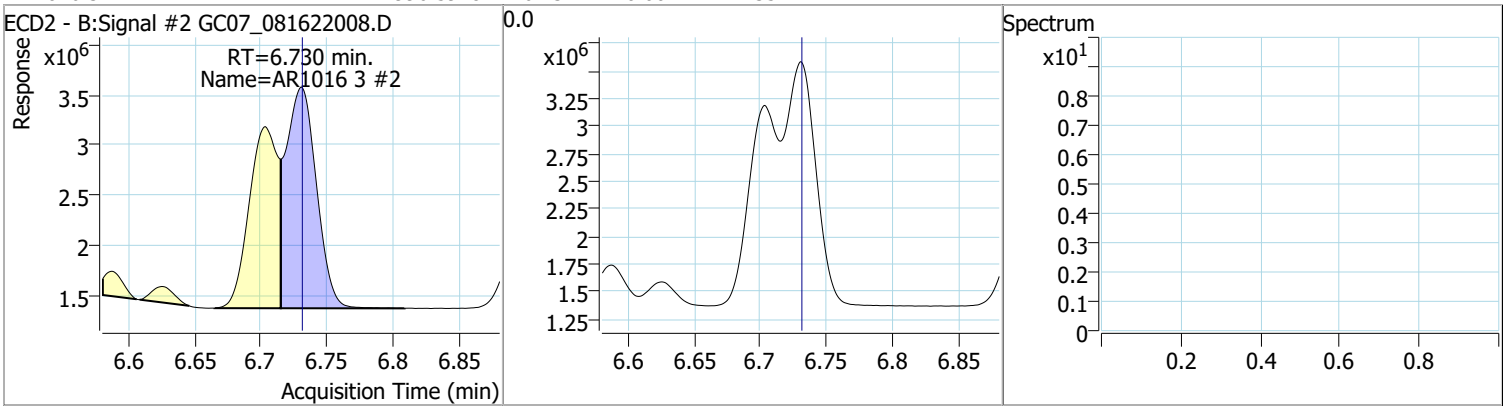
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	965.0341	6.26	0.00	5435660				



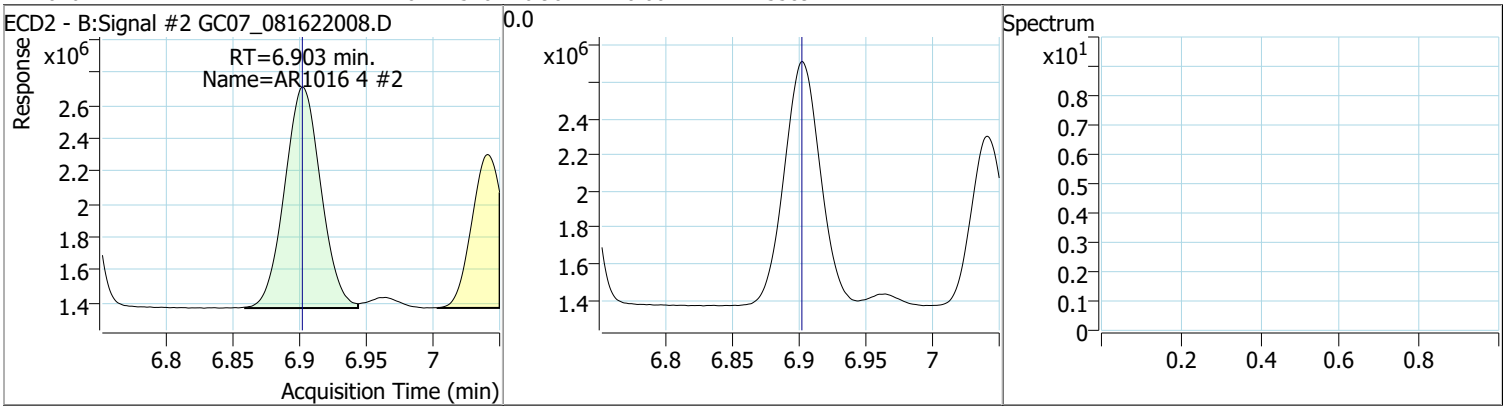
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	952.3464	6.71	0.00	4719485				



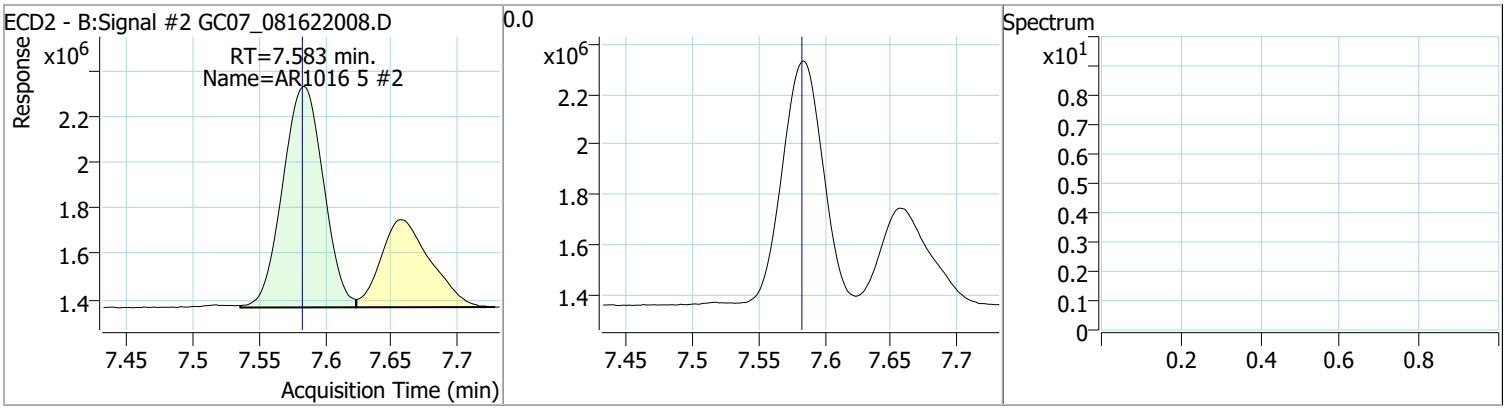
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	996.5928	6.73	0.00	3514417				



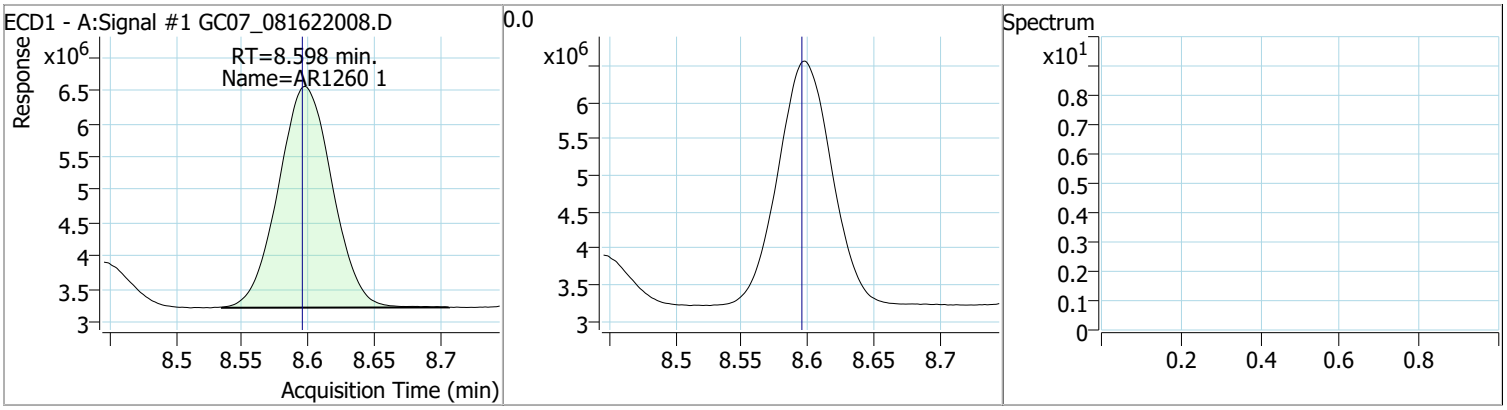
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1024.4510	6.90	0.00	2558974				



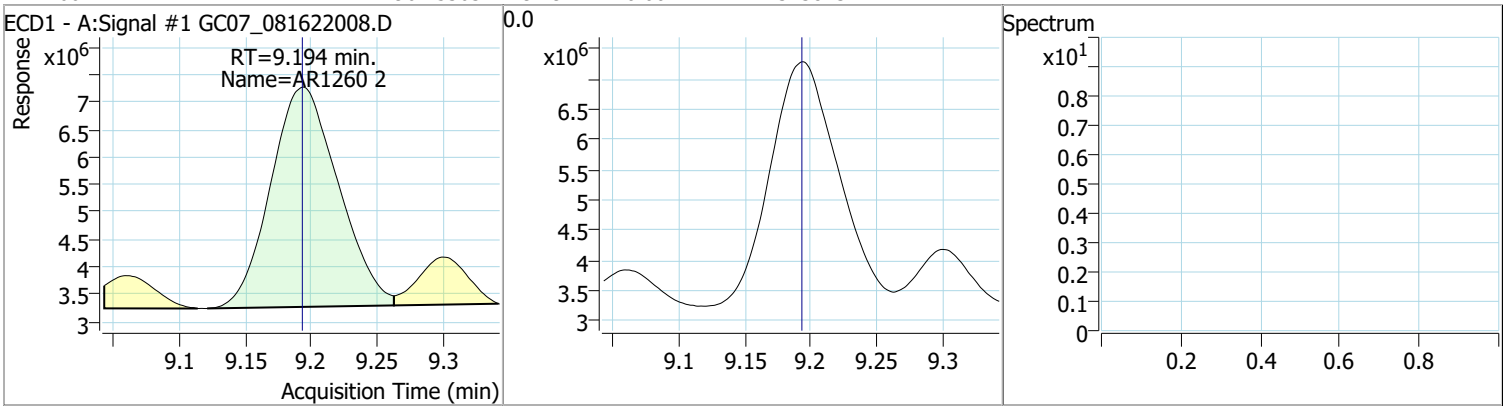
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1041.9762	7.58	0.00	2067132				



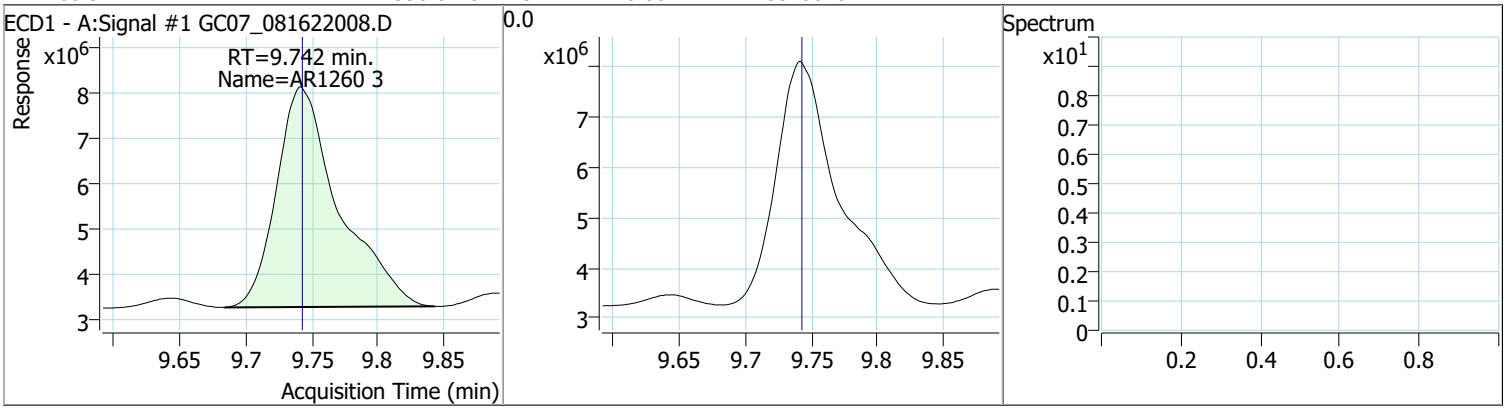
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	949.0228	8.60	0.00	9512121				



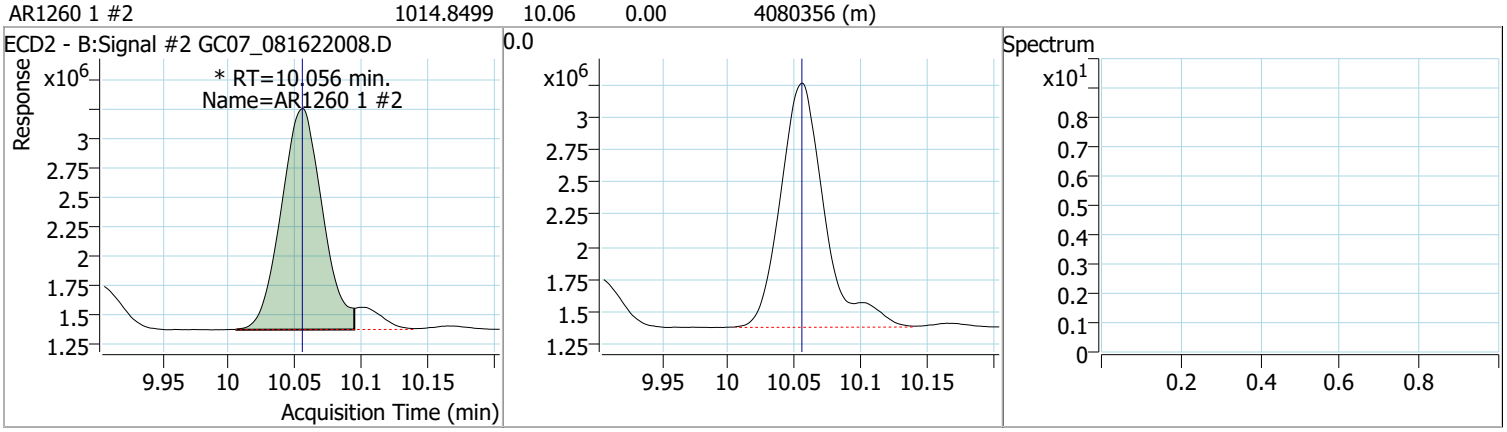
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	962.5363	9.19	0.00	14323843				



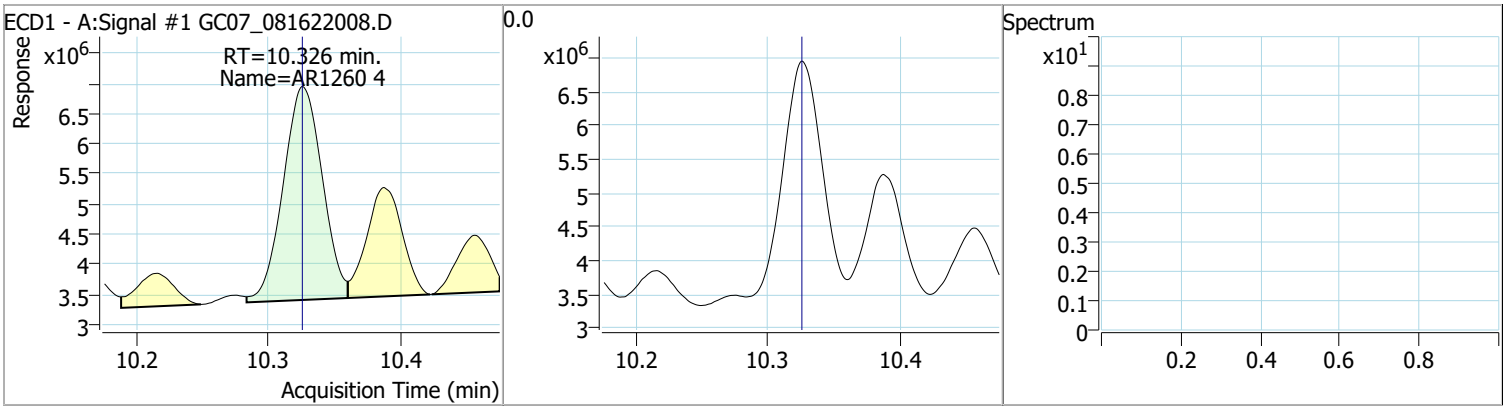
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	990.0729	9.74	0.00	15870016				



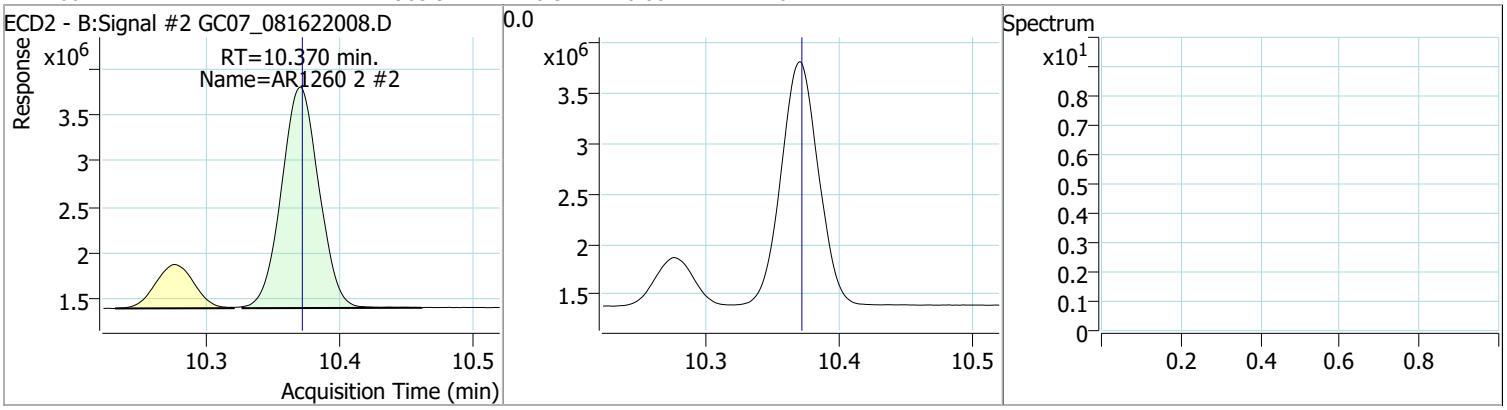
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1014.8499	10.06	0.00	4080356 (m)				



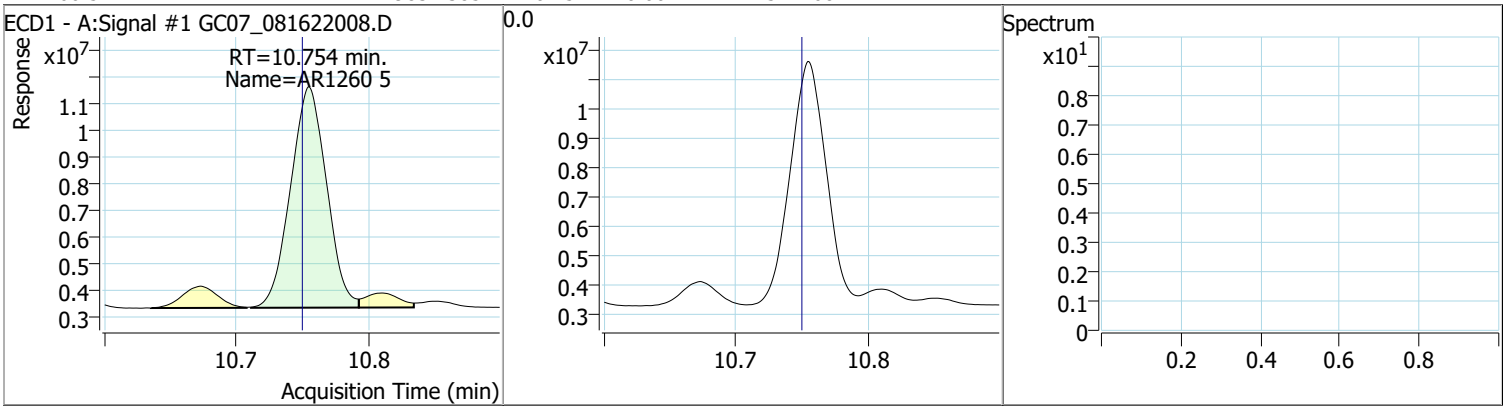
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	969.9230	10.33	0.00	7302434				



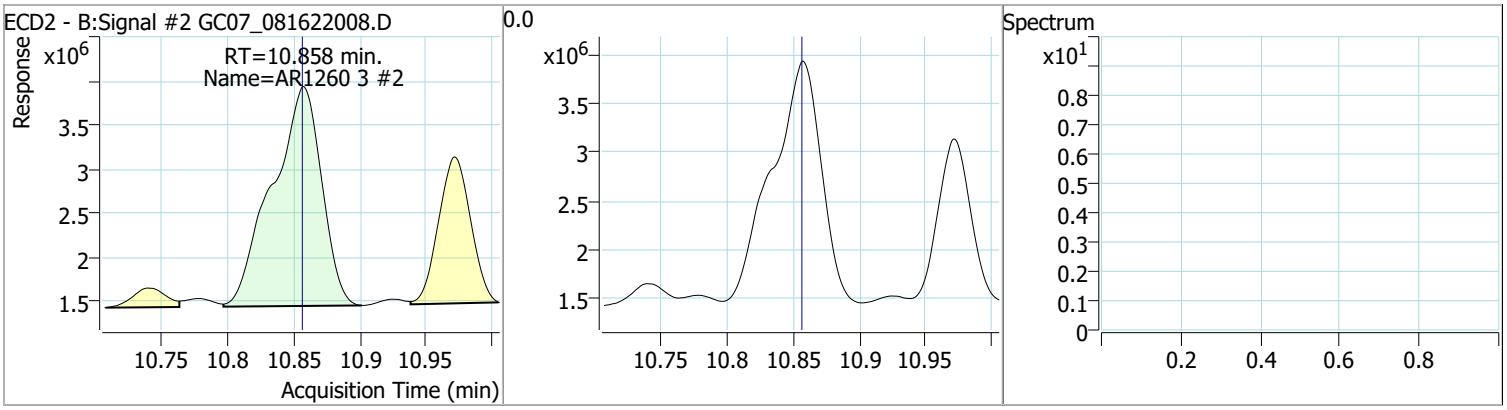
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	985.9274	10.37	0.00	4767144				



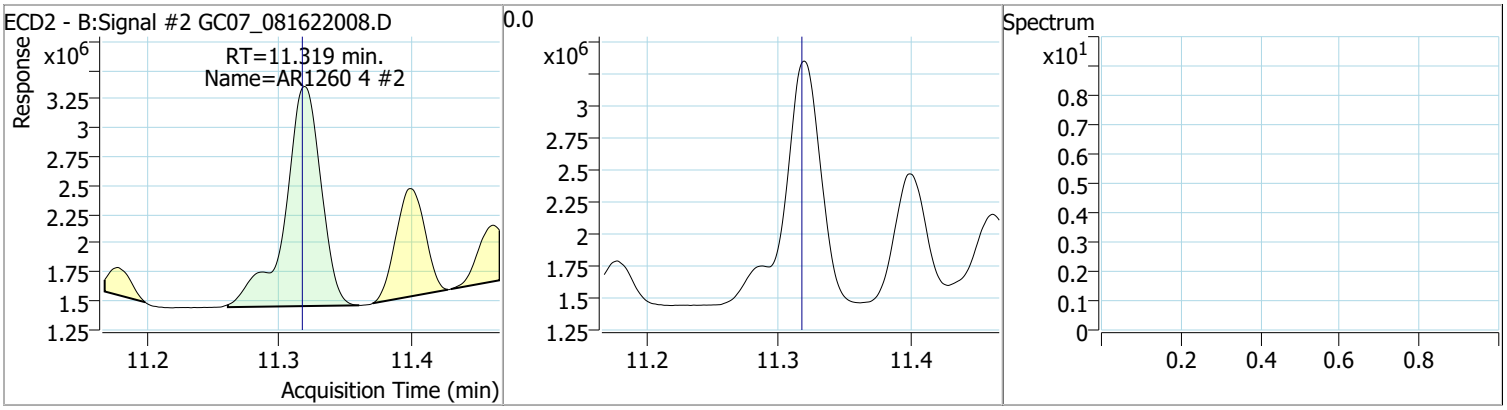
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	983.2385	10.75	0.00	15774684				



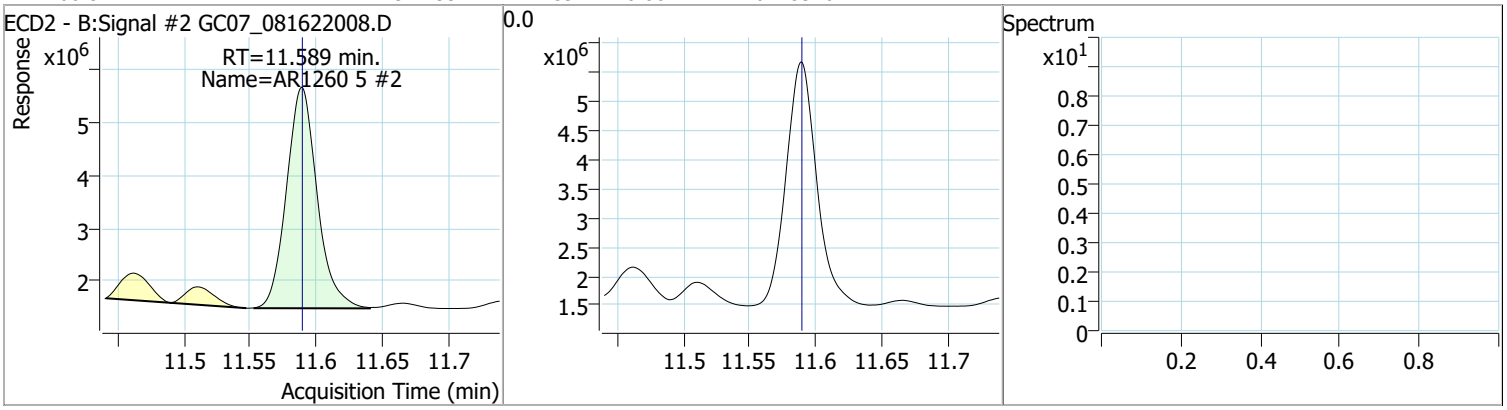
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1016.7719	10.86	0.00	6496199				



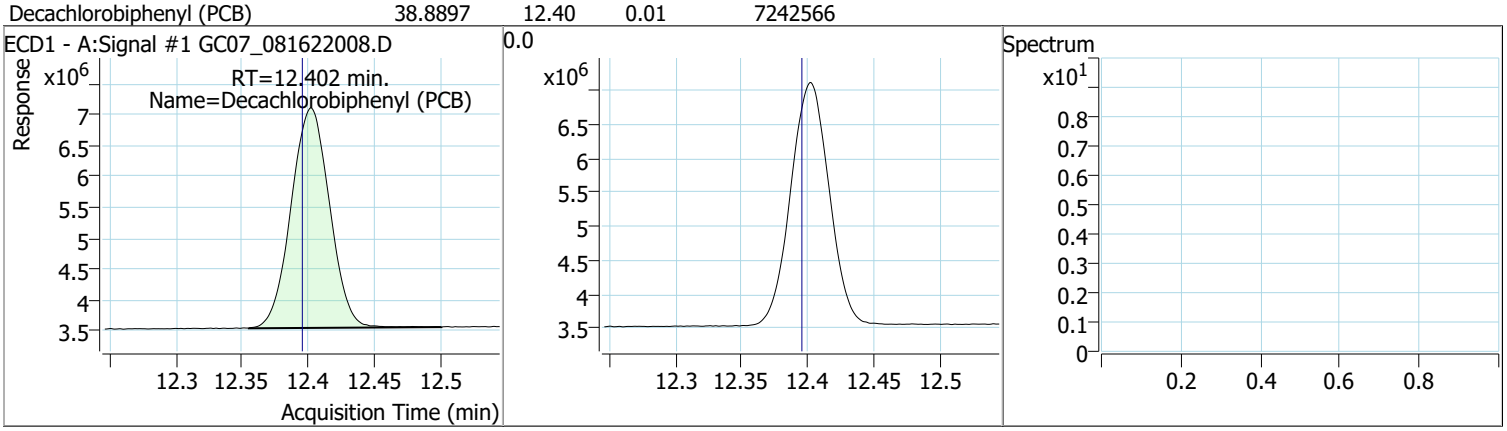
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1039.8325	11.32	0.00	3634033				



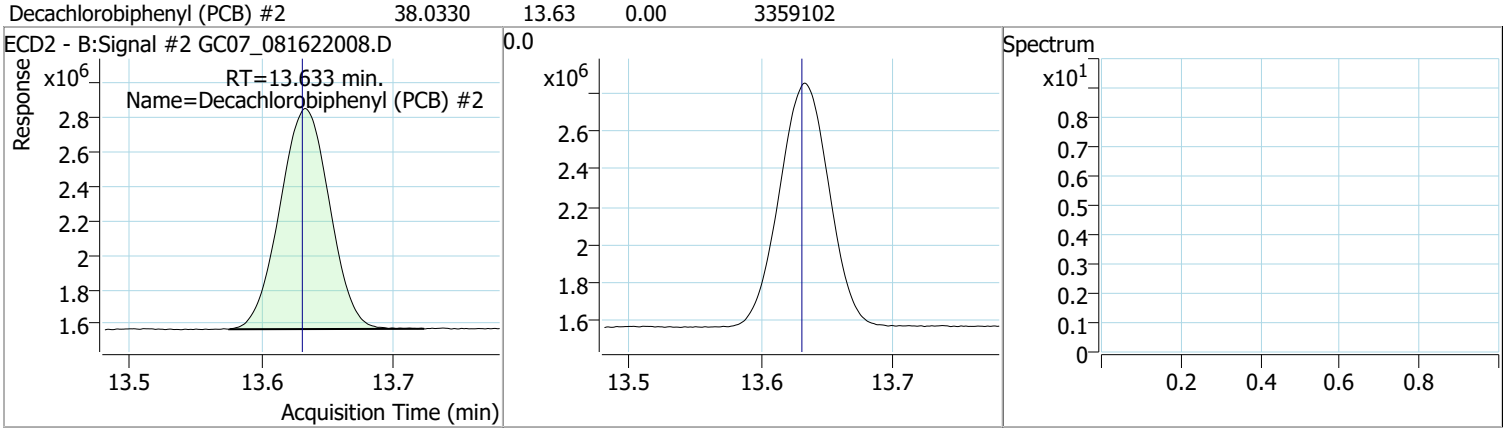
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	977.9911	11.59	0.00	6748370				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	38.8897	12.40	0.01	7242566				

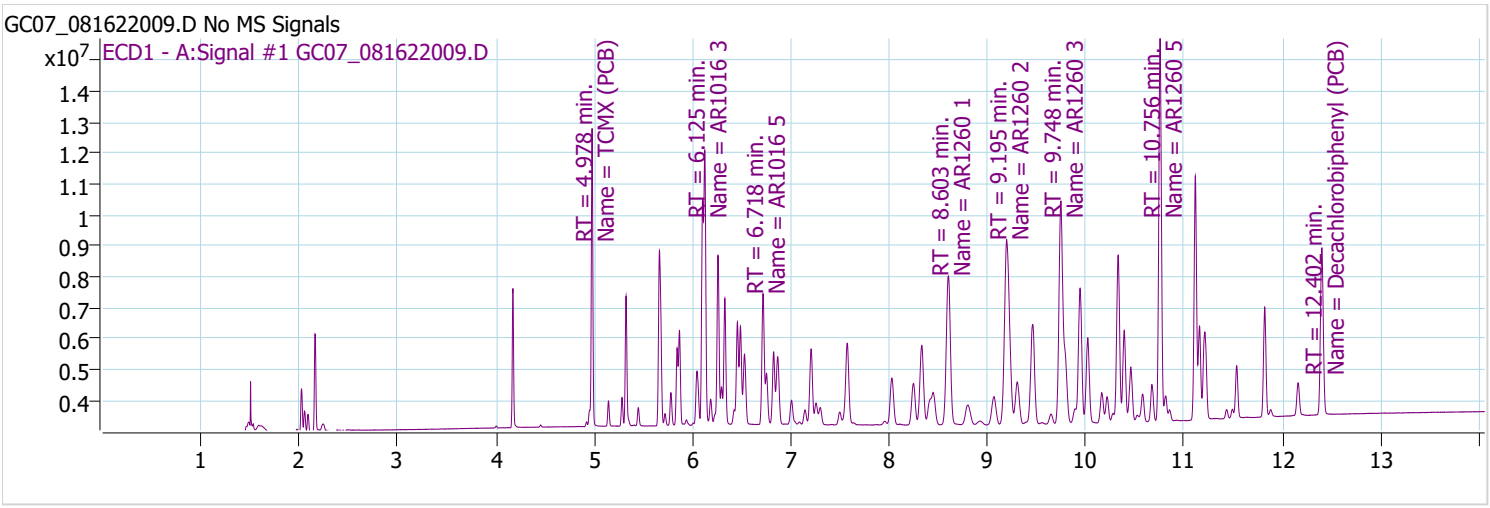


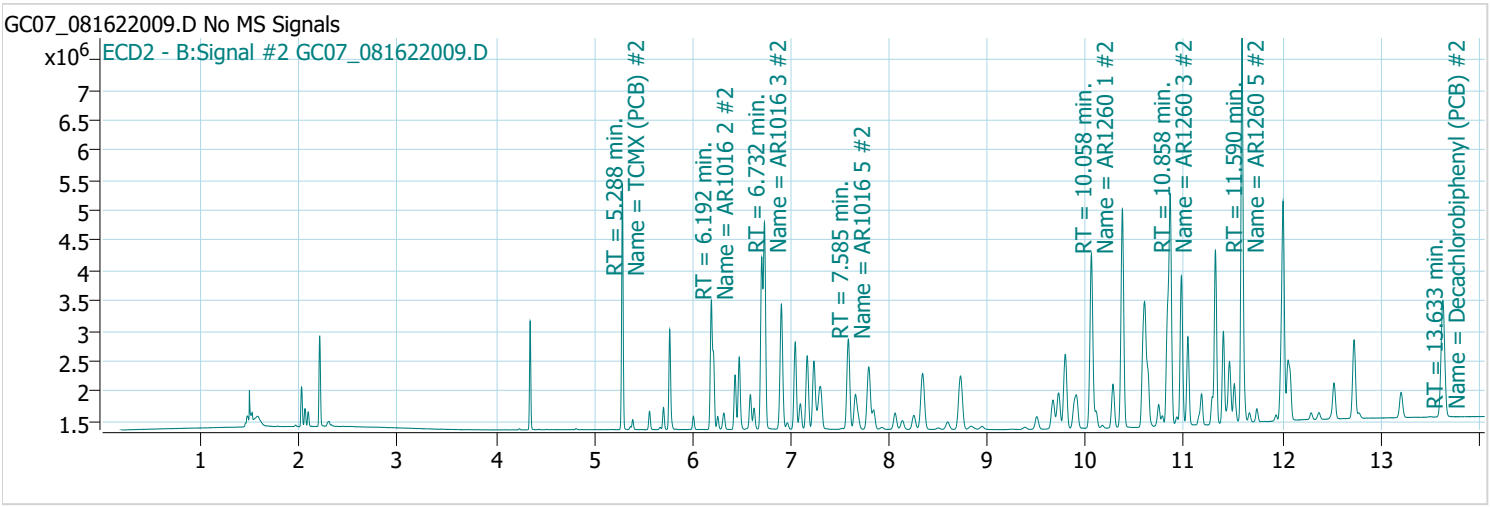
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	38.0330	13.63	0.00	3359102				



Quantitation Results Report (Not Reviewed)

Data File	GC07_081622009.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	8/16/2022 9:23:31 PM
Sample Name	ICAL, S16726, 1.33	Instrument	SVOA-GC07
Vial	38	Multiplier	1.00
DA Method File	PCB_608_081622_GC07_2.m	Comment	1500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	081622PCBICAL.batch.bin	Last Calib Update	8/18/2022 11:24:04 AM
Ref Library			



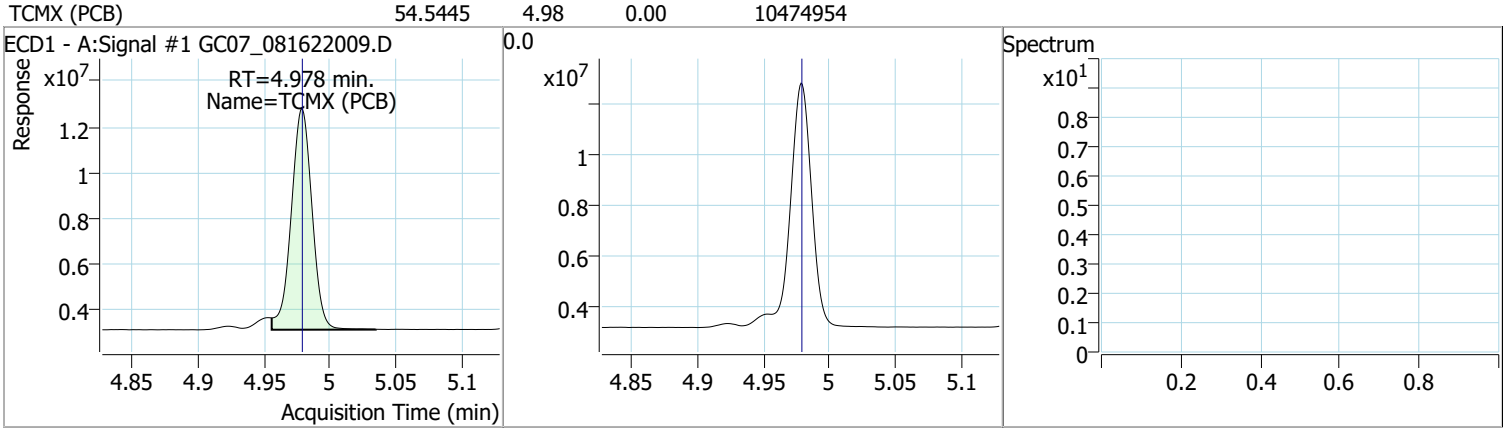


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.174	0.0	4280830.475	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.348	0.0	1600598.171	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.978	0.0	10474953.813	54.5445	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 272.72%		*	
S TCMX (PCB) #2	5.288	0.0	4324329.348	60.5542	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 302.77%		*	
S Decachlorobiphenyl (PCB)	12.402	0.0	10933780.261	54.2844	ng/ml		0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 271.42%		*	
S Decachlorobiphenyl (PCB) #2	13.633	0.0	5065989.679	53.0998	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 265.50%		*	
Target Compounds							QValue

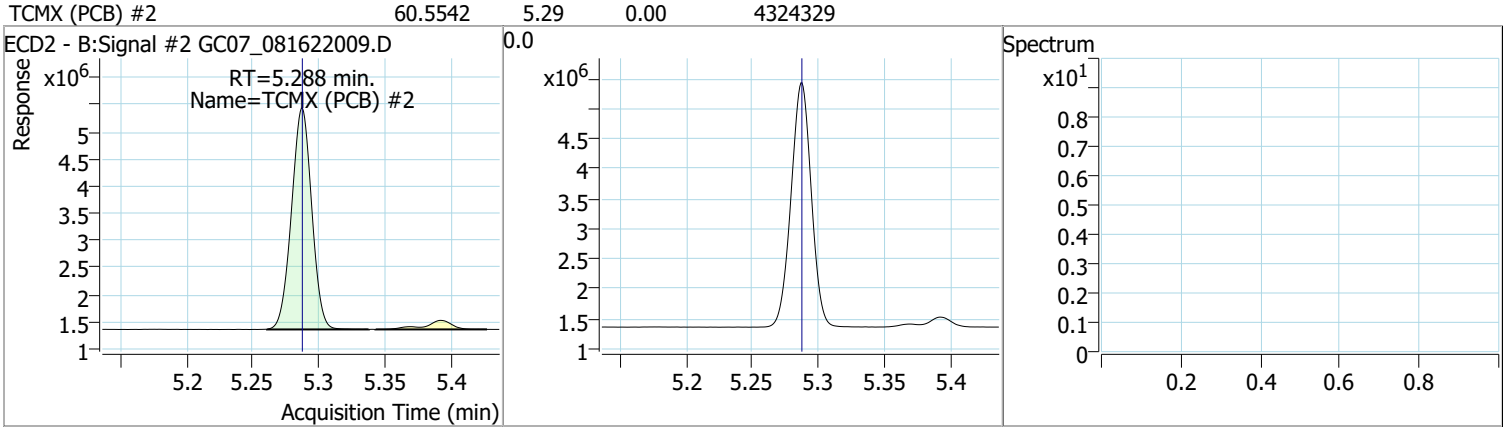
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.324	0.0	5137268.360	1349.7558	ng/ml		100
T AR1016 2	5.664	0.0	9933195.670	1286.0730	ng/ml		100
T AR1016 1 #2	5.768	0.0	2131566.125	1412.3726	ng/ml		100
T AR1016 3	6.125	0.0	12408568.234	1339.9776	ng/ml	m	100
T AR1016 2 #2	6.192	0.0	4474823.051	1431.9385	ng/ml		100
T AR1016 4	6.259	0.0	7983522.780	1310.5326	ng/ml		100
T AR1016 5	6.718	0.0	7151206.048	1334.2664	ng/ml		100
T AR1016 3 #2	6.732	0.0	5613395.722	1473.6062	ng/ml		100
T AR1016 4 #2	6.904	0.0	3954527.700	1465.5860	ng/ml		100
T AR1016 5 #2	7.585	0.0	3150413.321	1470.1054	ng/ml		100
T AR1260 1	8.603	0.0	13882058.364	1280.6076	ng/ml		100
T AR1260 2	9.195	0.0	20851091.979	1295.5354	ng/ml		100
T AR1260 3	9.748	0.0	23500665.568	1355.6041	ng/ml		100
T AR1260 1 #2	10.058	0.0	6122531.369	1409.6982	ng/ml	m	100
T AR1260 4	10.329	0.0	10711912.484	1315.5262	ng/ml		100
T AR1260 2 #2	10.373	0.0	7121820.713	1363.5437	ng/ml		100
T AR1260 5	10.756	0.0	23420091.485	1349.7388	ng/ml		100
T AR1260 3 #2	10.858	0.0	9770056.739	1415.6394	ng/ml		100
T AR1260 4 #2	11.318	0.0	5434632.410	1439.5807	ng/ml		100
T AR1260 5 #2	11.590	0.0	10262330.233	1376.8079	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

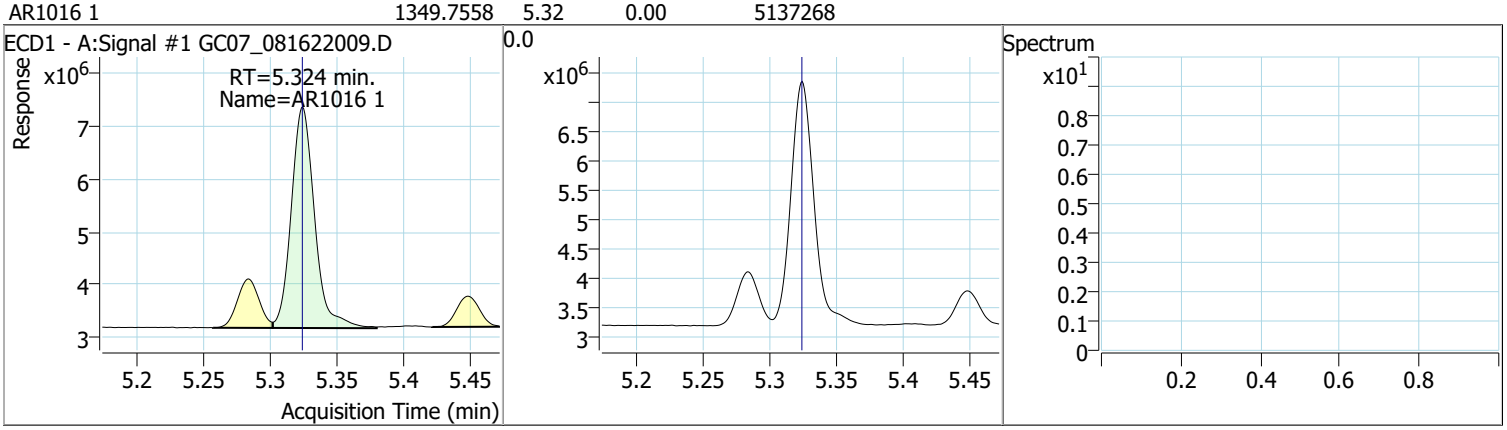
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	54.5445	4.98	0.00	10474954				



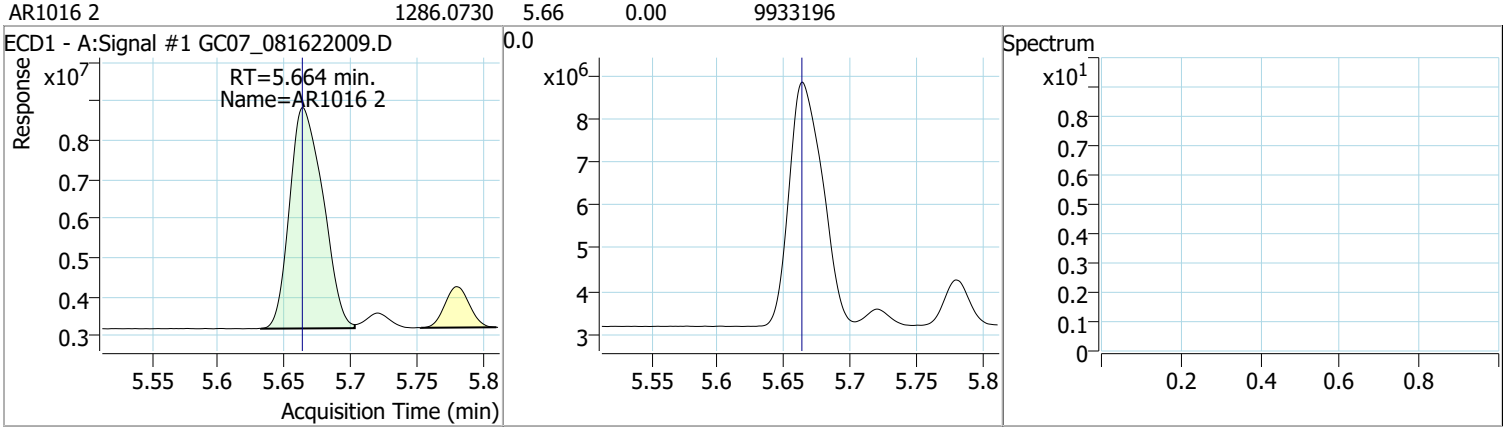
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	60.5542	5.29	0.00	4324329				



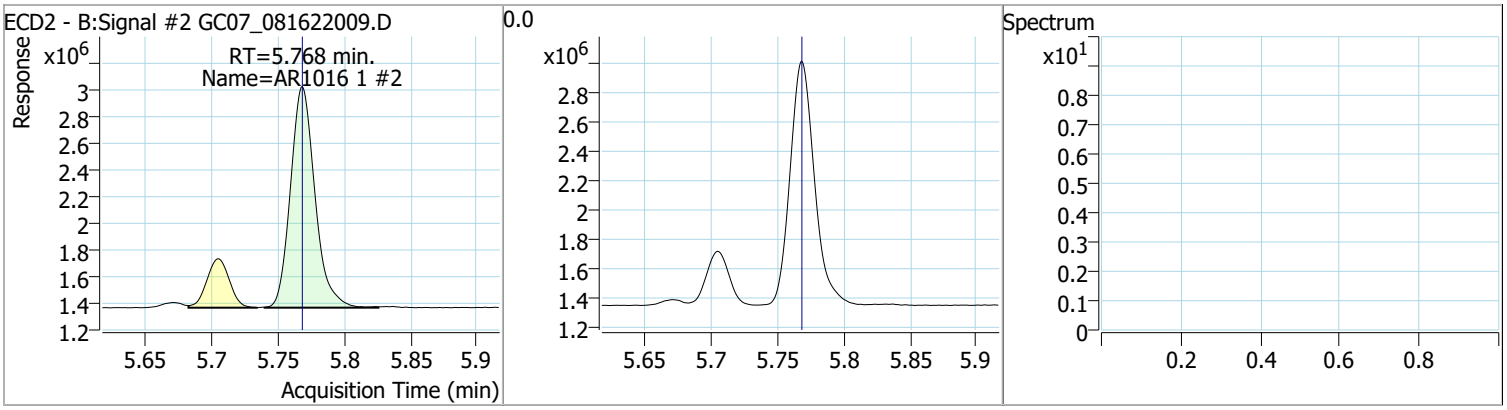
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1349.7558	5.32	0.00	5137268				



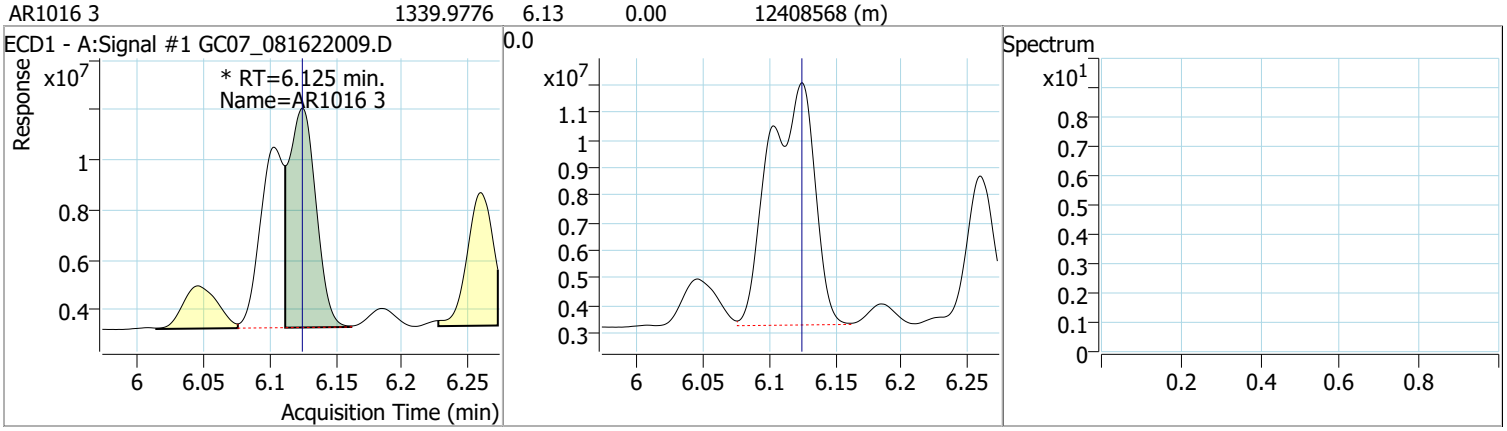
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1286.0730	5.66	0.00	9933196				



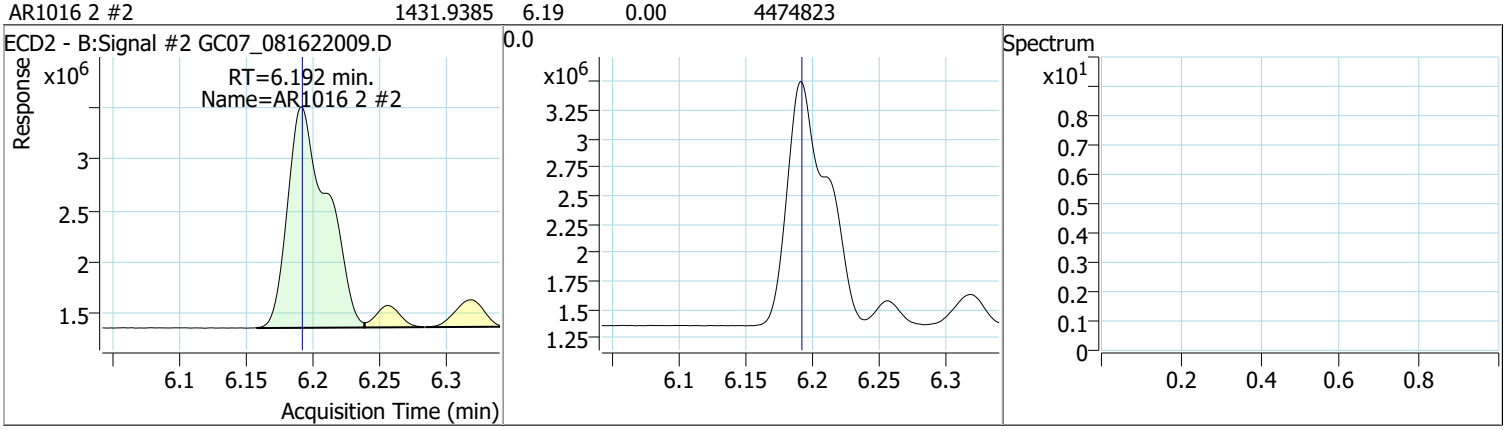
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1412.3726	5.77	0.00	2131566				



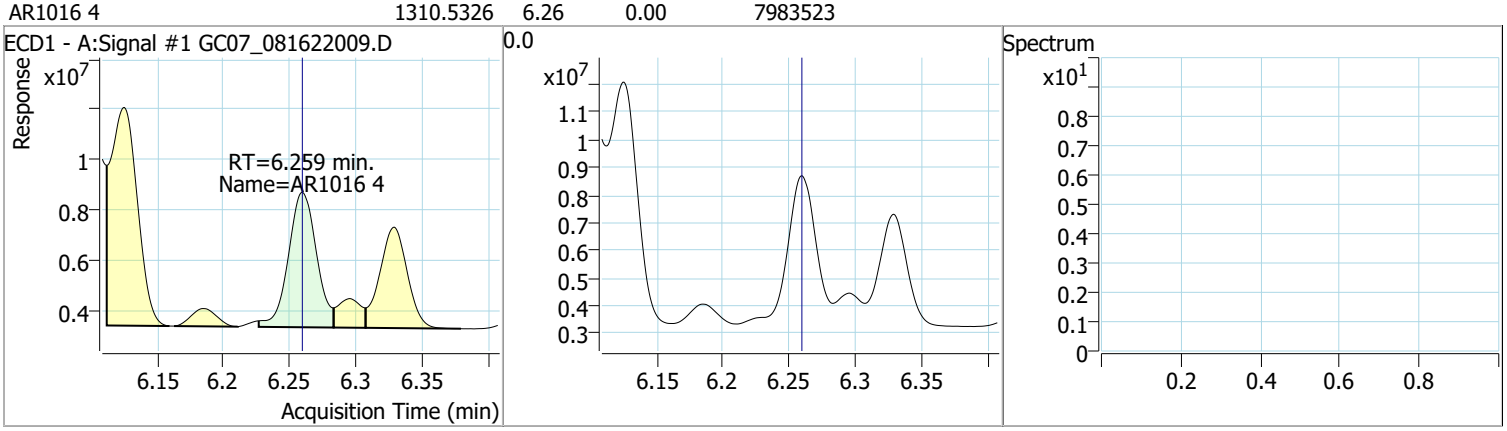
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1339.9776	6.13	0.00	12408568 (m)				



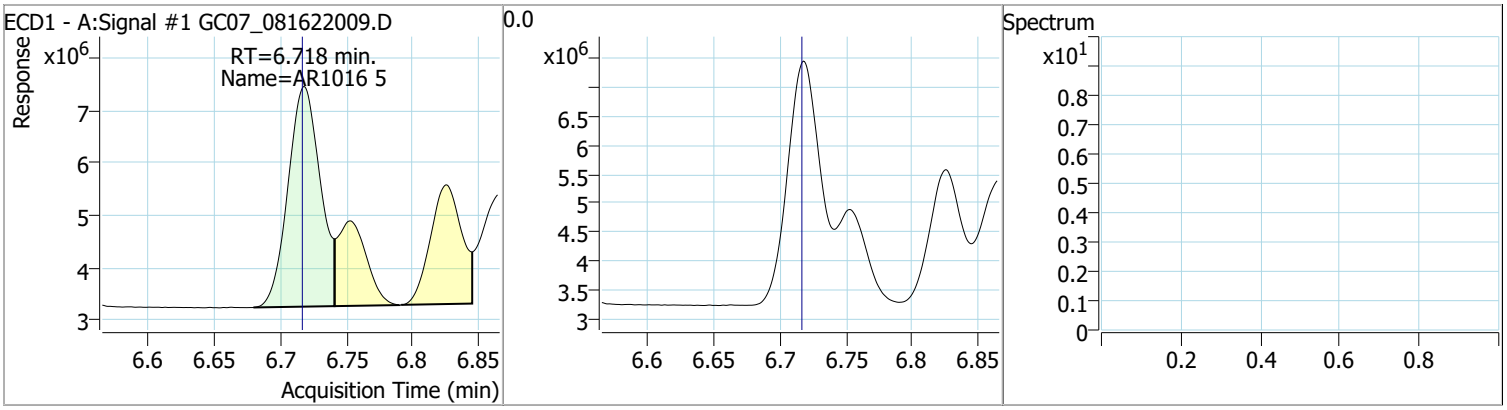
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1431.9385	6.19	0.00	4474823				



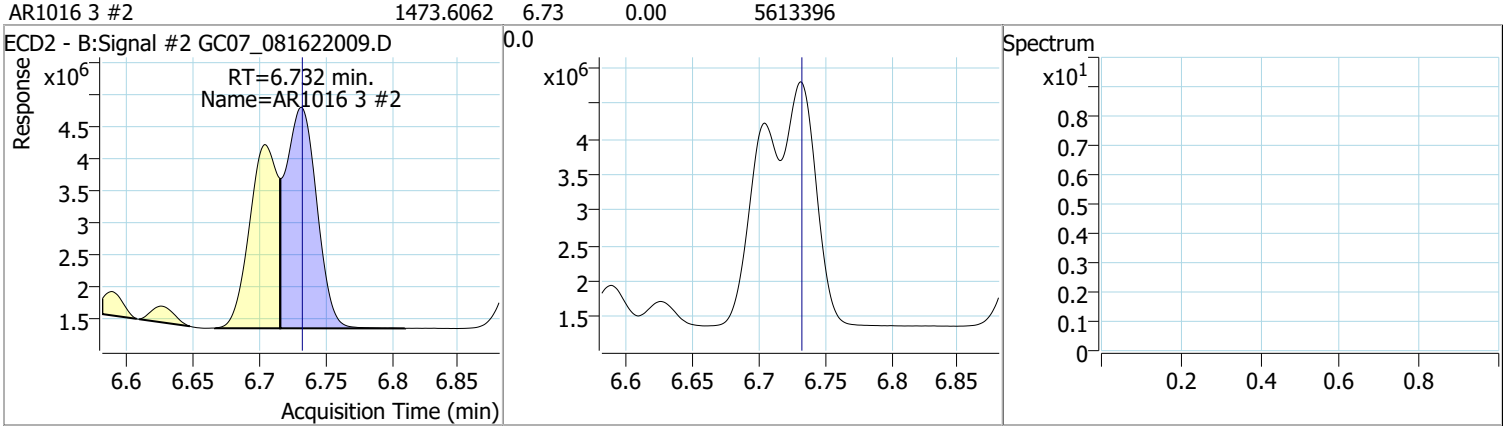
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1310.5326	6.26	0.00	7983523				



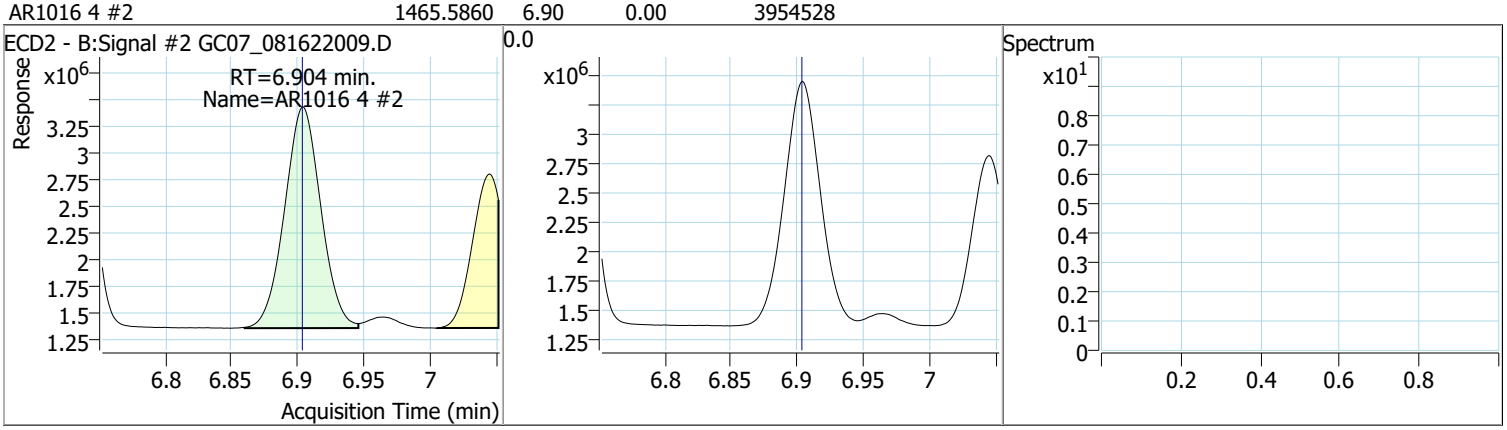
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1334.2664	6.72	0.00	7151206				



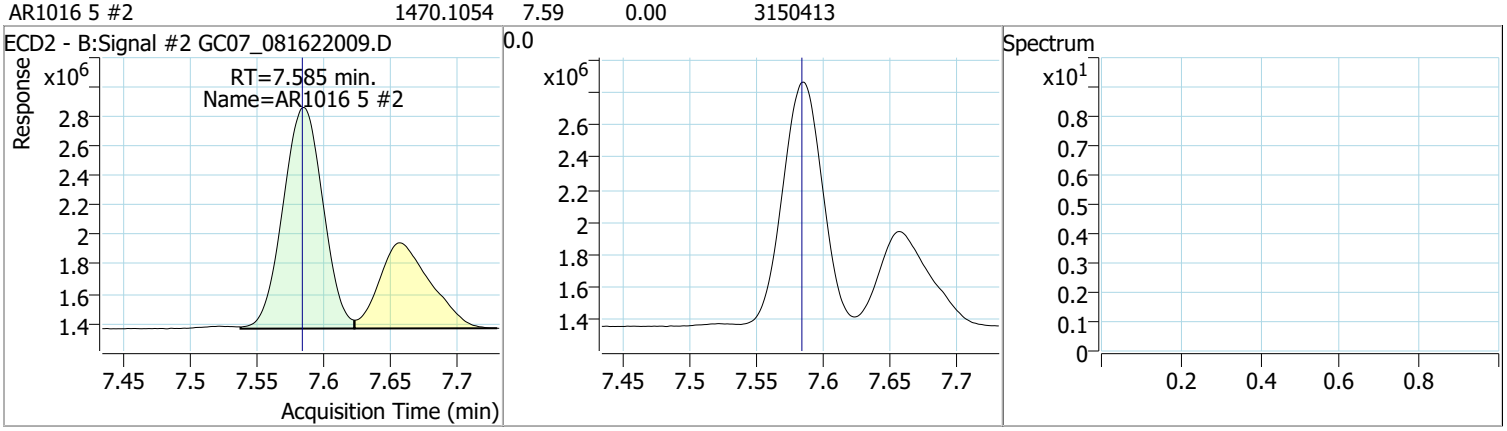
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1473.6062	6.73	0.00	5613396				



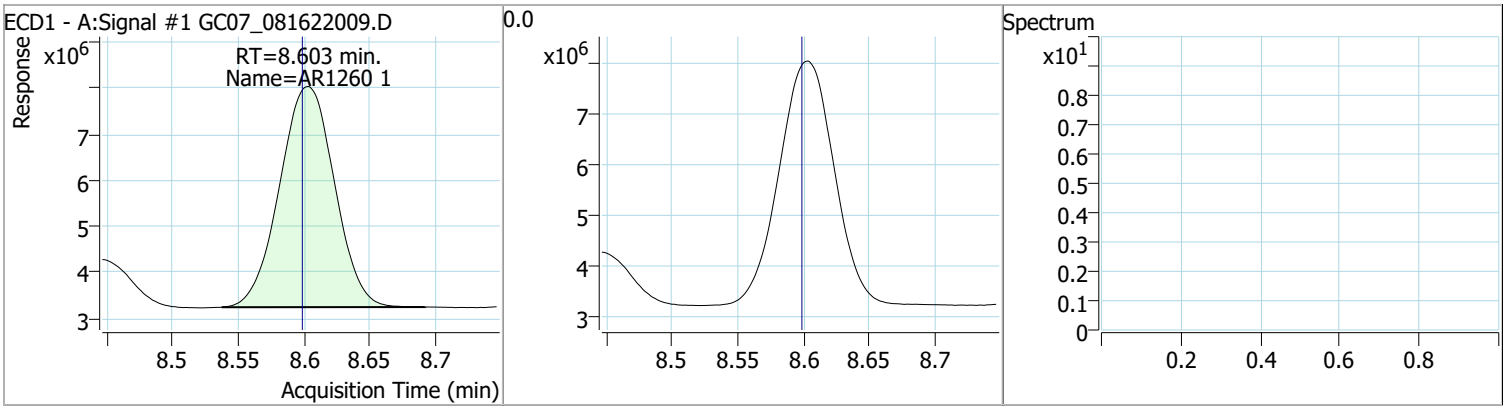
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1465.5860	6.90	0.00	3954528				



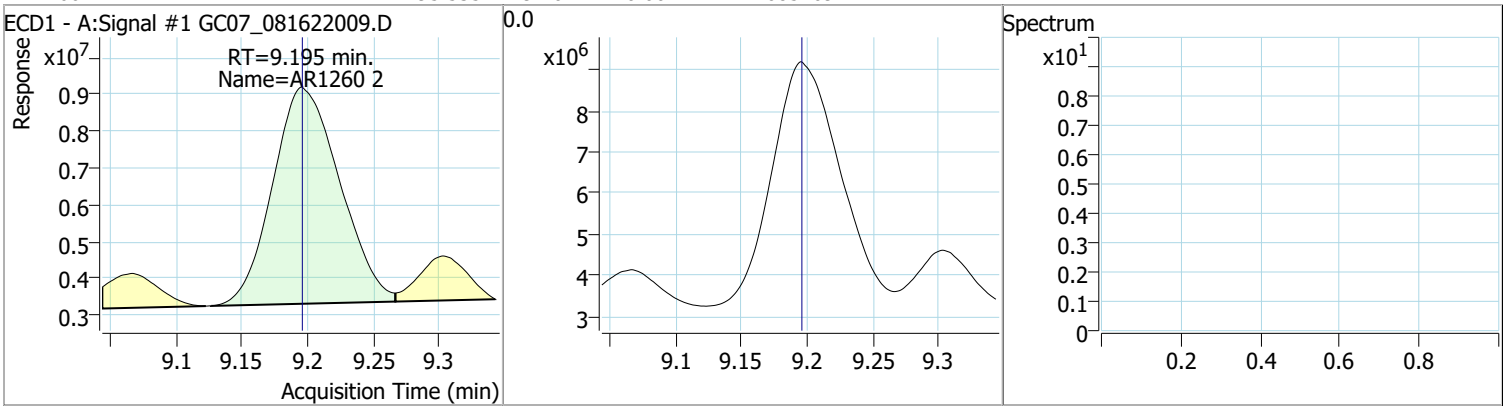
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1470.1054	7.59	0.00	3150413				



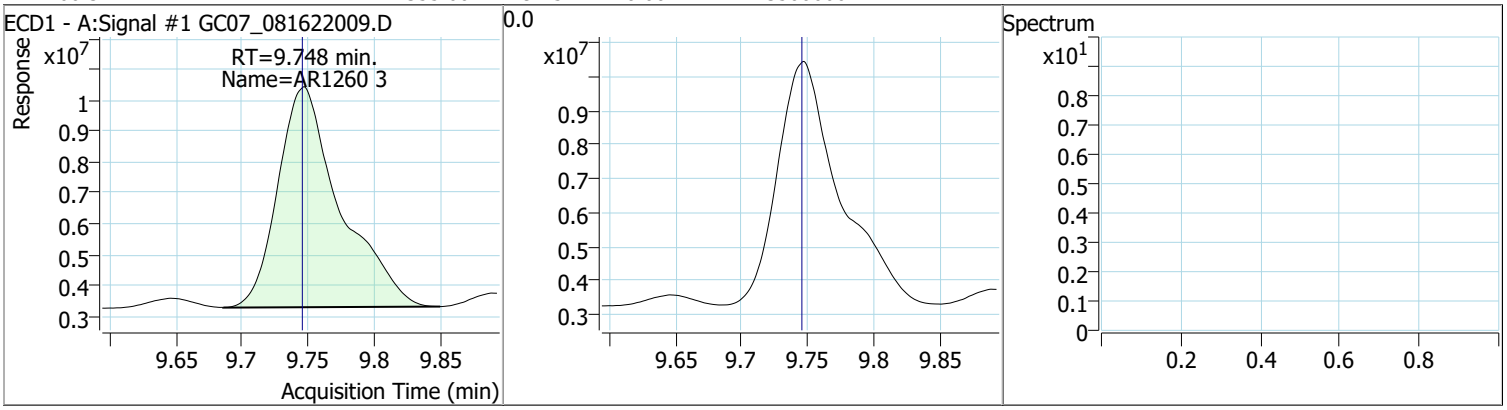
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1280.6076	8.60	0.01	13882058				



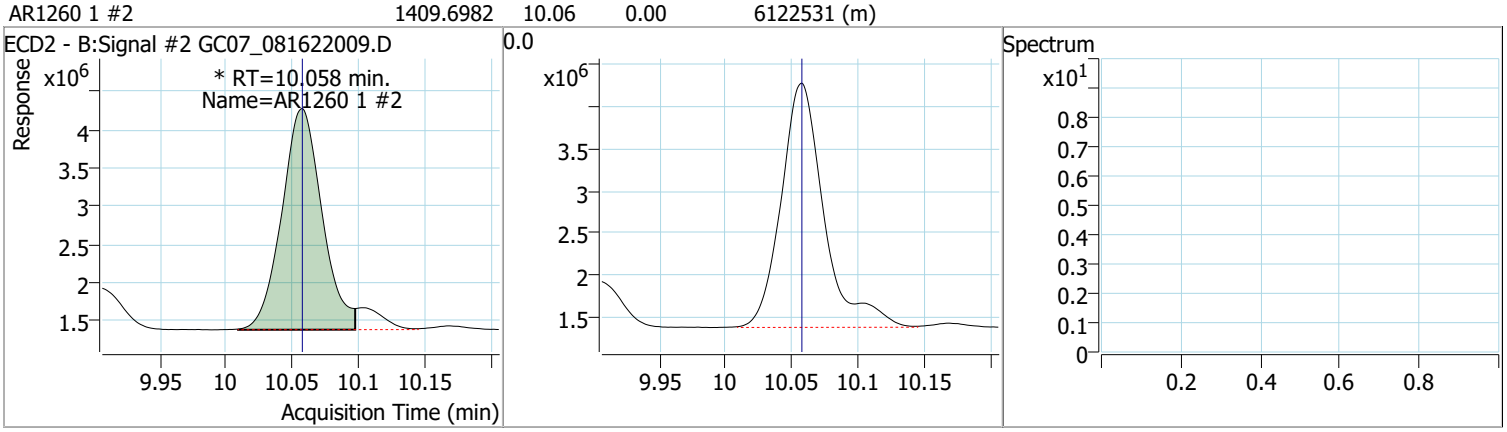
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1295.5354	9.20	0.00	20851092				



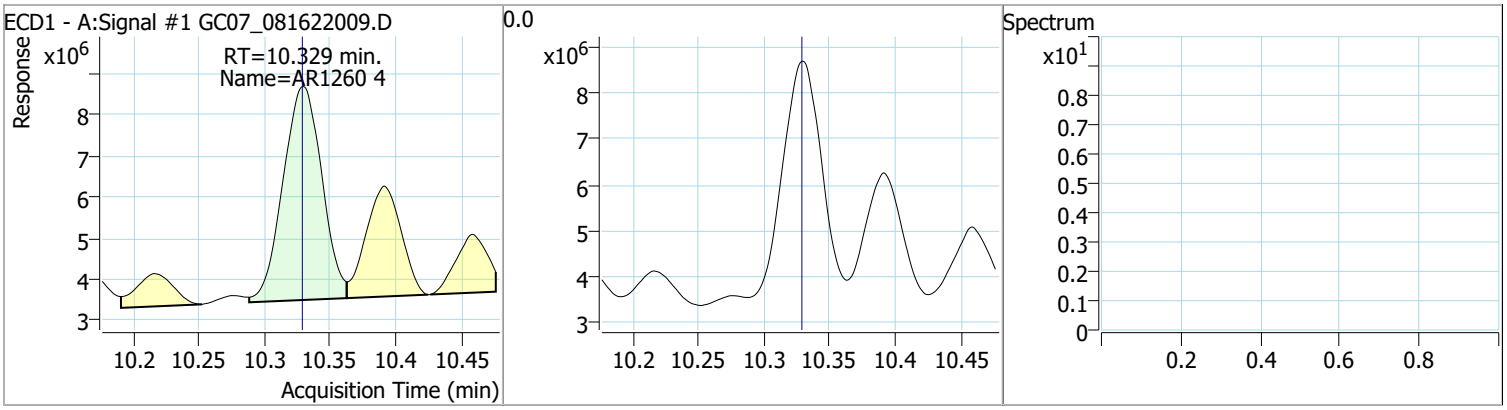
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1355.6041	9.75	0.00	23500666				



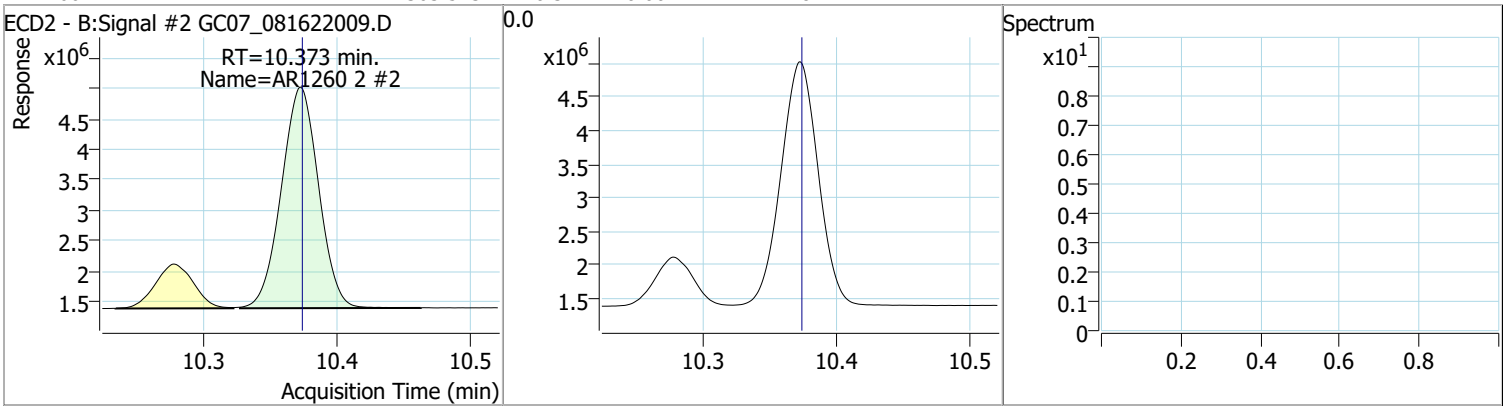
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1409.6982	10.06	0.00	6122531 (m)				



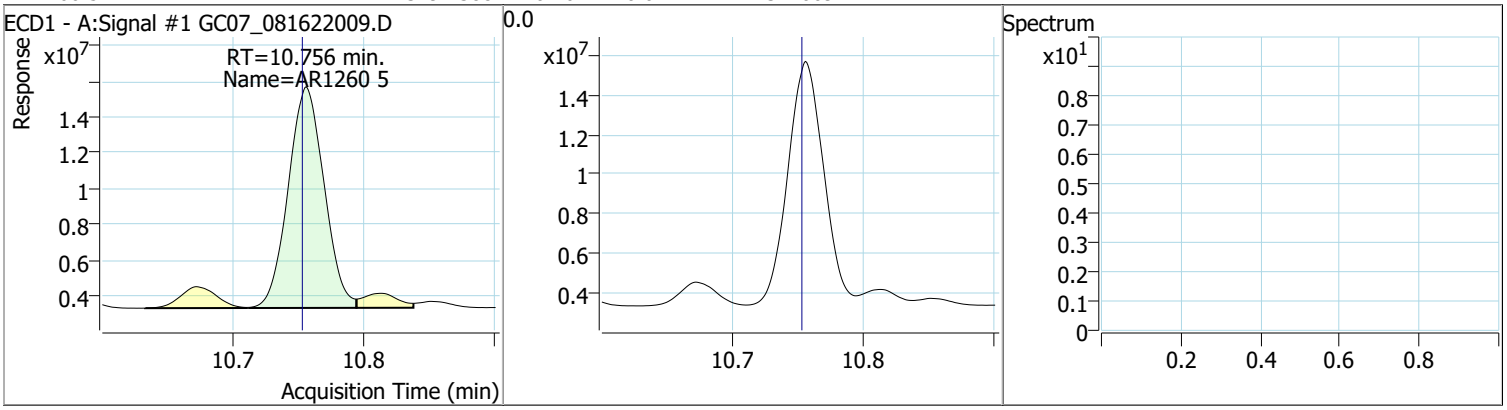
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1315.5262	10.33	0.00	10711912				



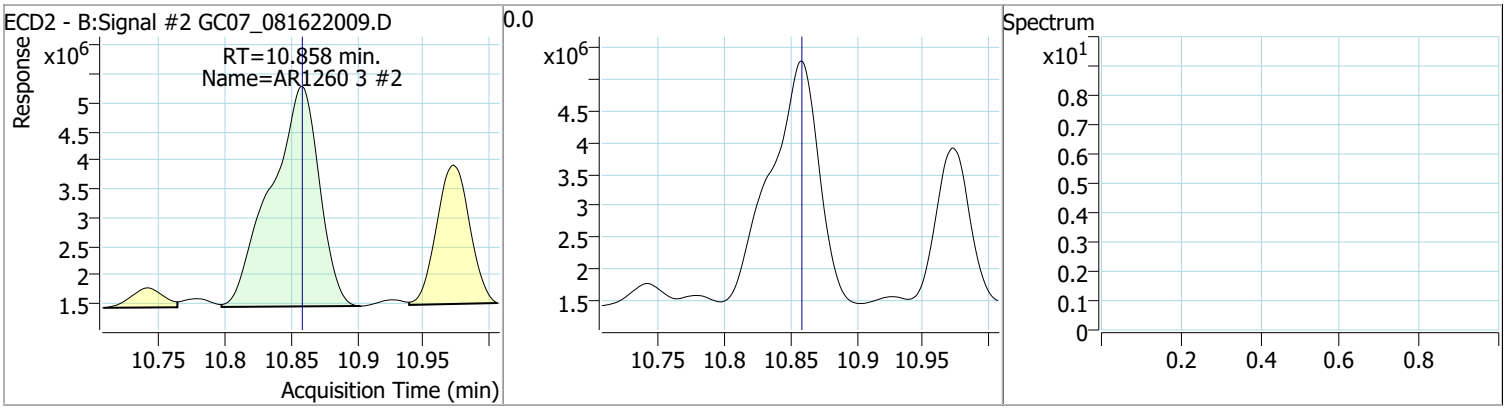
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1363.5437	10.37	0.00	7121821				



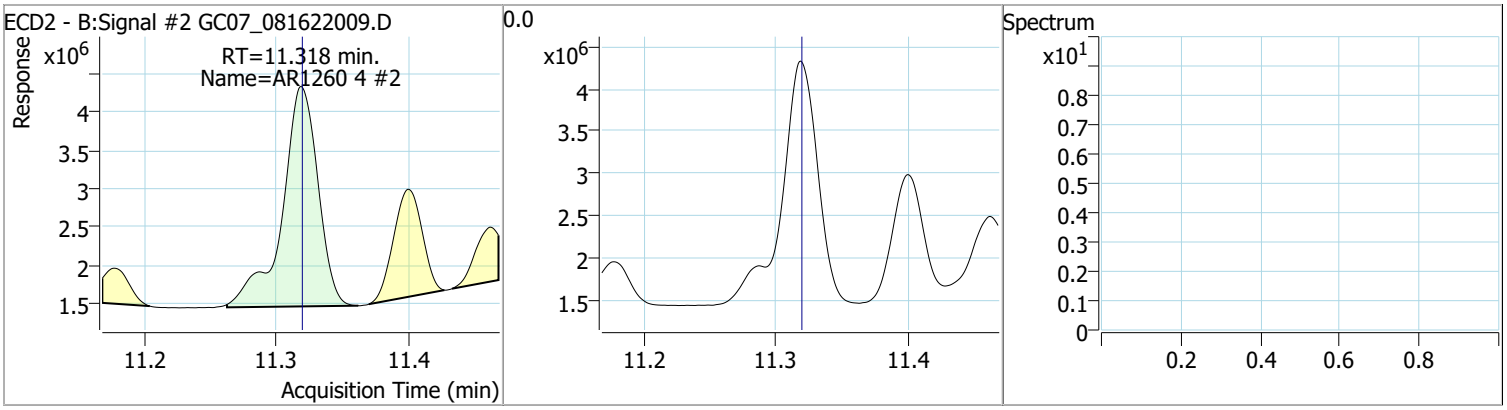
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1349.7388	10.76	0.01	23420091				



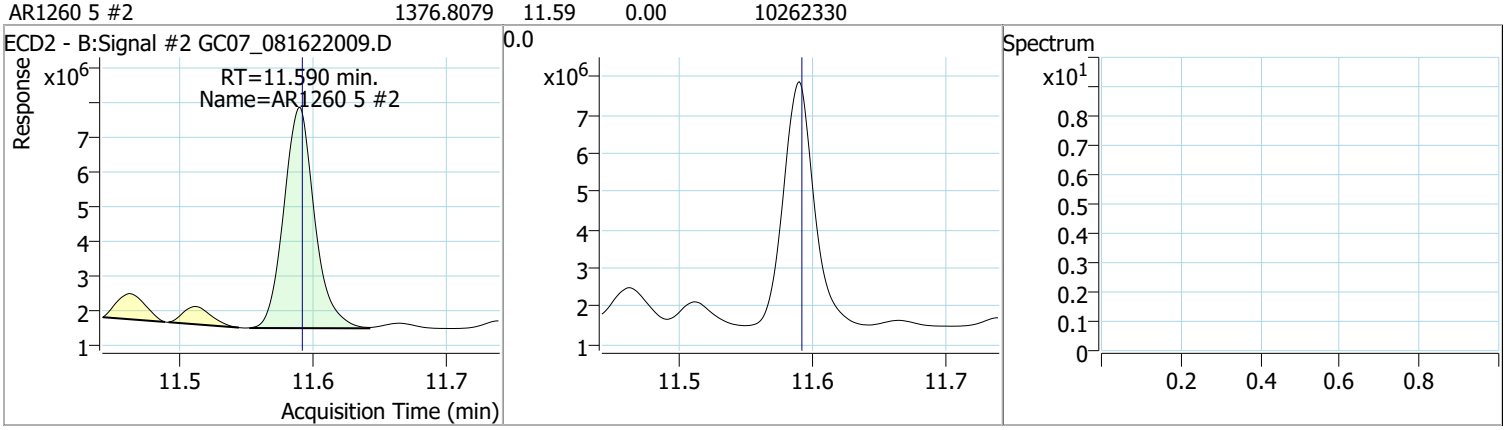
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1415.6394	10.86	0.00	9770057				



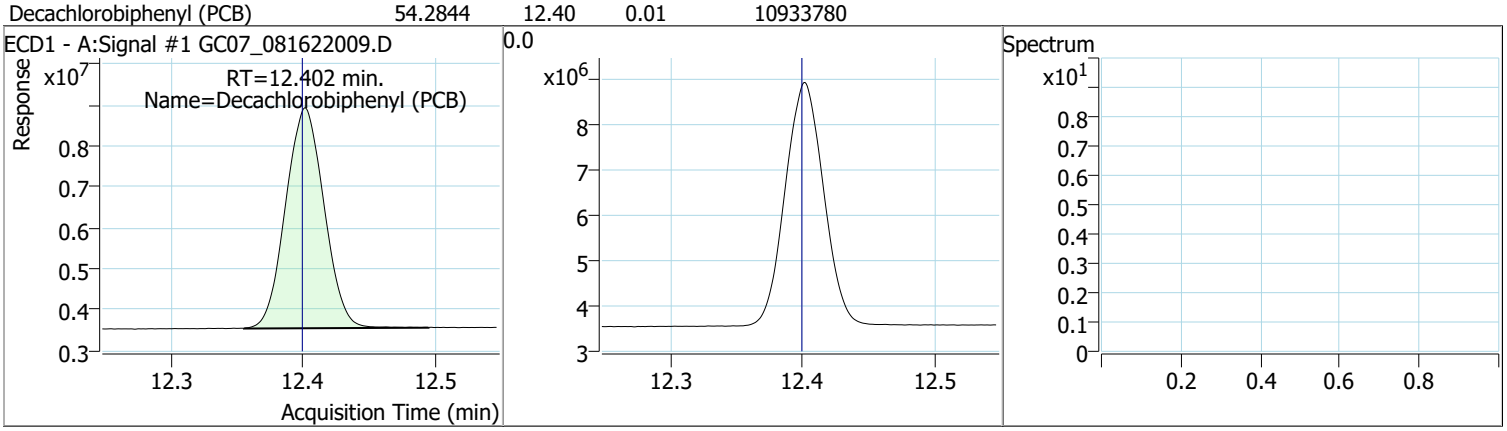
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1439.5807	11.32	0.00	5434632				



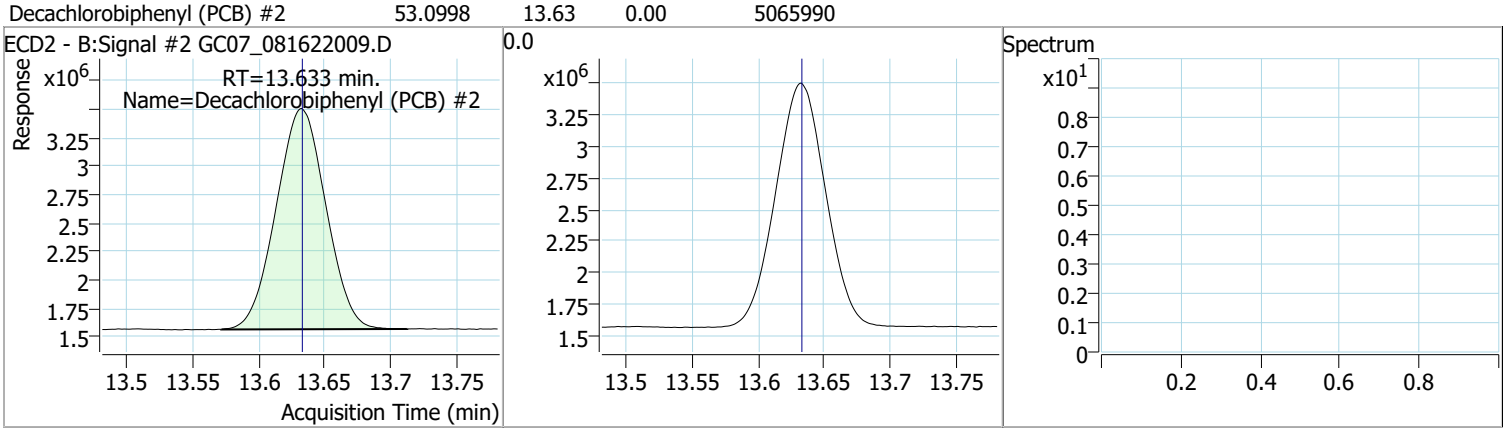
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1376.8079	11.59	0.00	10262330				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	54.2844	12.40	0.01	10933780				

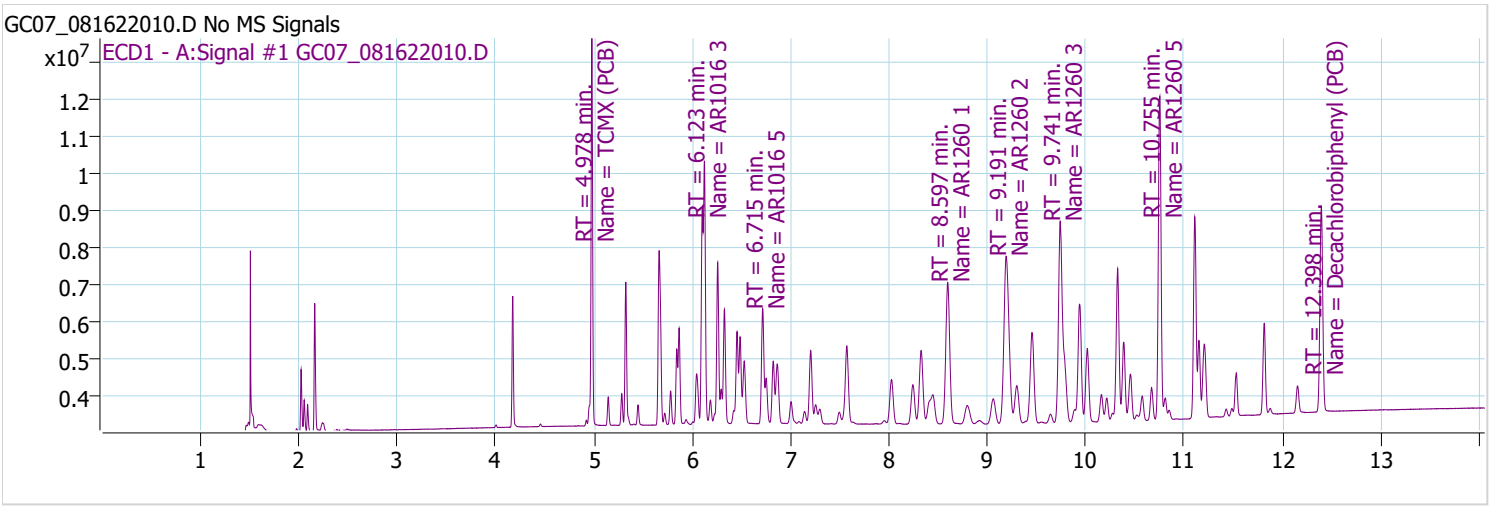


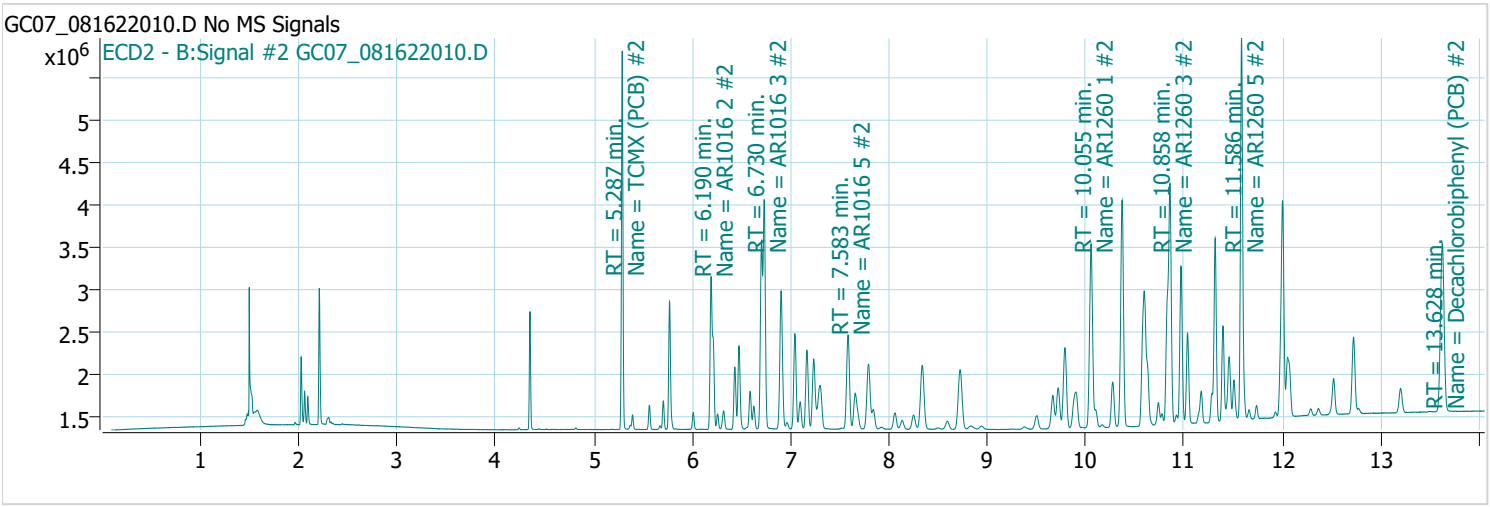
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	53.0998	13.63	0.00	5065990				



Quantitation Results Report (Not Reviewed)

Data File	GC07_081622010.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	8/16/2022 9:41:05 PM
Sample Name	ICAL, S16726, 1	Instrument	SVOA-GC07
Vial	39	Multiplier	1.00
DA Method File	PCB_608_081622_GC07_2.m	Comment	2000 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	081622PCBICAL.batch.bin	Last Calib Update	8/18/2022 11:24:04 AM
Ref Library			



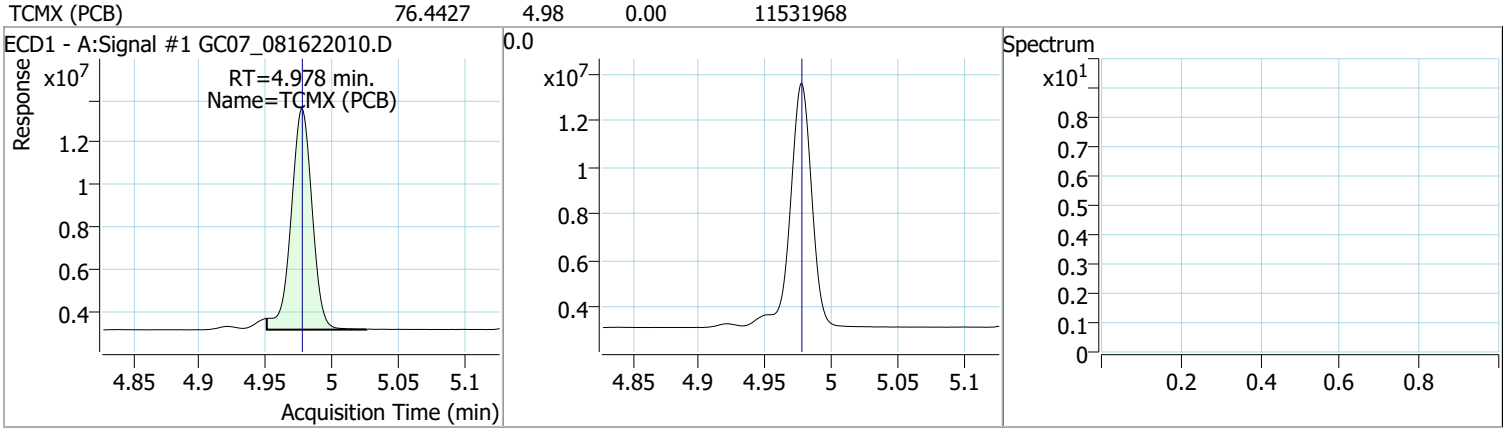


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.173	0.0	3362751.000	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.348	0.0	1244688.500	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.978	0.0	11531967.751	76.4427	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 382.21%		*	
S TCMX (PCB) #2	5.287	0.0	4760240.431	85.7188	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 428.59%		*	
S Decachlorobiphenyl (PCB)	12.398	0.0	11240171.373	71.0413	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 355.21%		*	
S Decachlorobiphenyl (PCB) #2	13.628	0.0	5237609.056	70.5965	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 352.98%		*	
Target Compounds							QValue

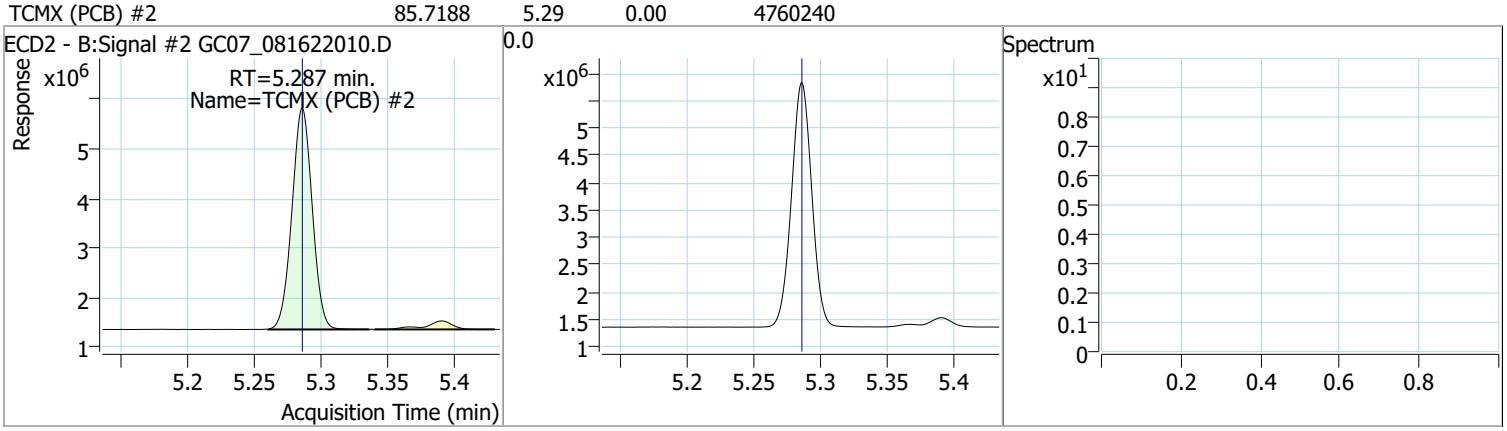
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.323	0.0	4710845.465	1575.6333	ng/ml		100
T AR1016 2	5.663	0.0	8350250.937	1376.2885	ng/ml		100
T AR1016 1 #2	5.768	0.0	1973073.936	1681.1848	ng/ml		100
T AR1016 3	6.123	0.0	9729480.651	1337.5155	ng/ml		100
T AR1016 2 #2	6.190	0.0	3732946.681	1536.1086	ng/ml		100
T AR1016 4	6.258	0.0	6246926.346	1305.4282	ng/ml		100
T AR1016 5	6.715	0.0	5318524.694	1263.2455	ng/ml		100
T AR1016 3 #2	6.730	0.0	4332585.443	1462.5966	ng/ml		100
T AR1016 4 #2	6.903	0.0	3060639.183	1458.6478	ng/ml		100
T AR1016 5 #2	7.583	0.0	2319255.874	1391.7180	ng/ml		100
T AR1260 1	8.597	0.0	10749040.013	1262.3076	ng/ml		100
T AR1260 2	9.191	0.0	16002090.341	1265.6993	ng/ml		100
T AR1260 3	9.741	0.0	17636073.866	1295.0542	ng/ml		100
T AR1260 1 #2	10.055	0.0	4692716.973	1389.4443	ng/ml	m	100
T AR1260 4	10.326	0.0	7876303.604	1231.3691	ng/ml		100
T AR1260 2 #2	10.371	0.0	5322002.072	1310.3120	ng/ml		100
T AR1260 5	10.755	0.0	16891830.269	1239.2849	ng/ml		100
T AR1260 3 #2	10.858	0.0	7267292.504	1354.0972	ng/ml		100
T AR1260 4 #2	11.318	0.0	3967430.240	1351.4400	ng/ml		100
T AR1260 5 #2	11.586	0.0	7274006.999	1254.9393	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

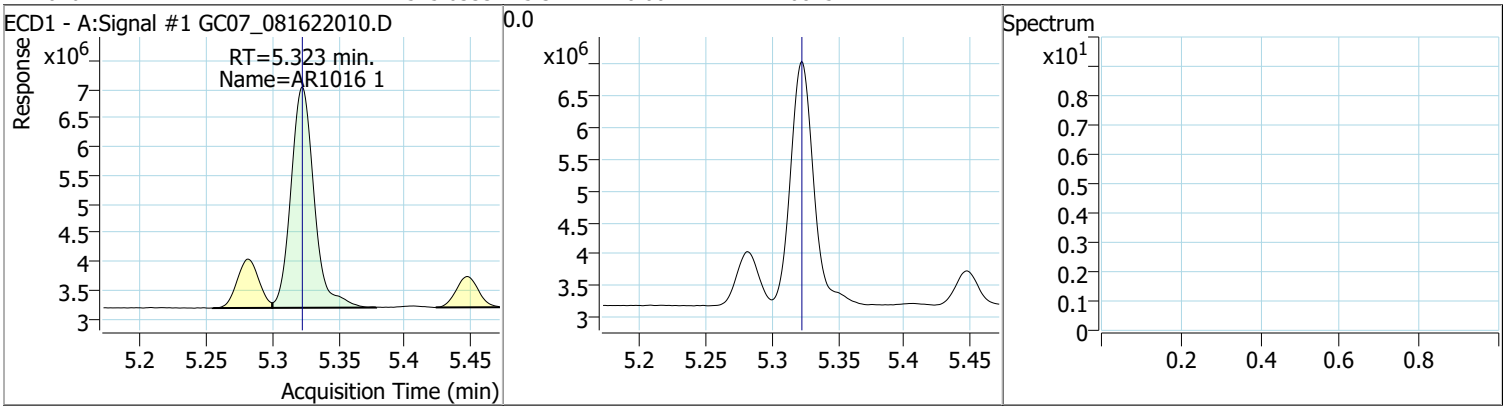
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	76.4427	4.98	0.00	11531968				



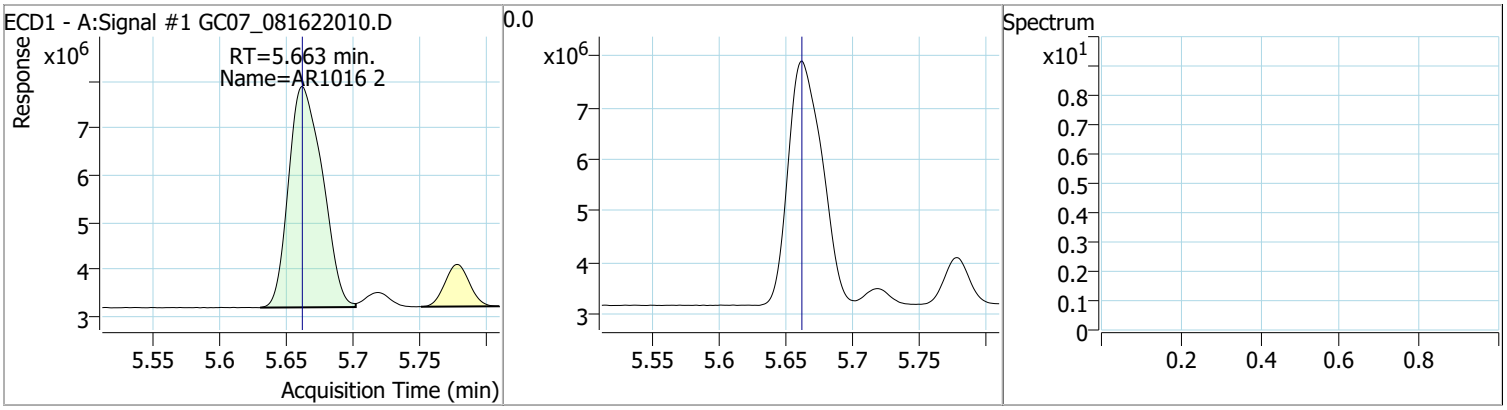
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	85.7188	5.29	0.00	4760240				



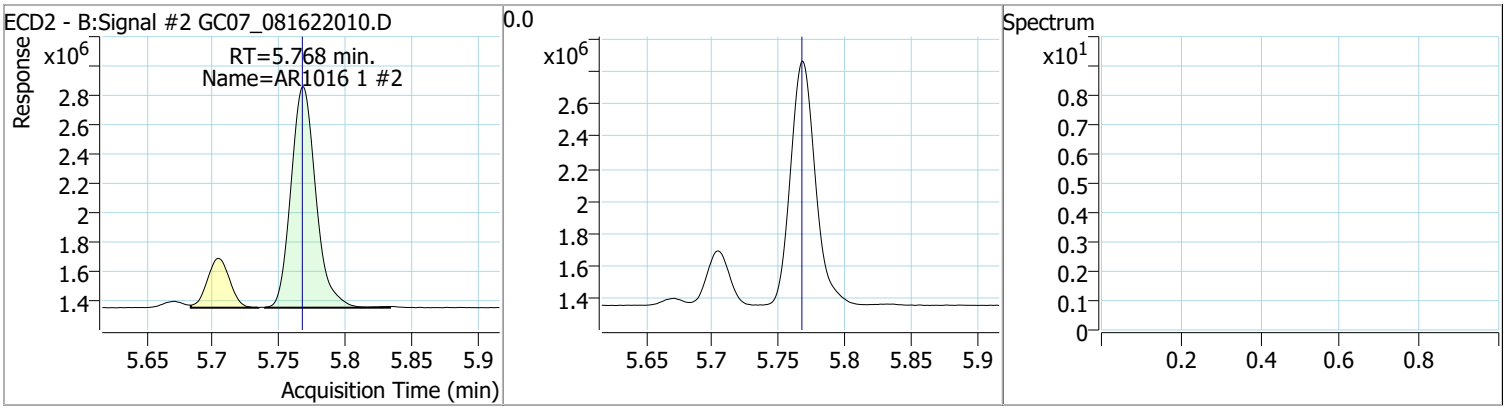
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1575.6333	5.32	0.00	4710845				



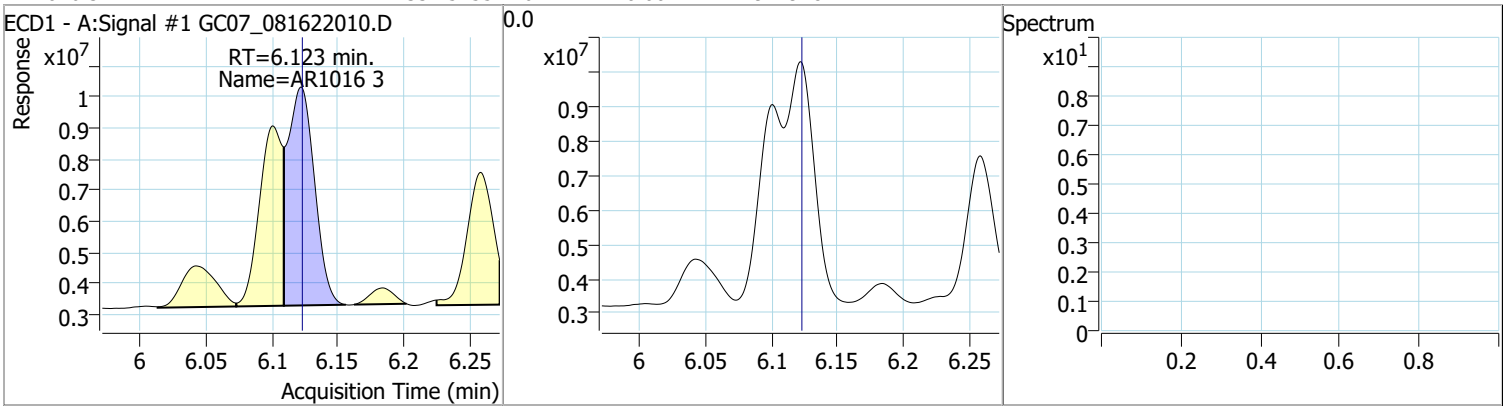
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1376.2885	5.66	0.00	8350251				



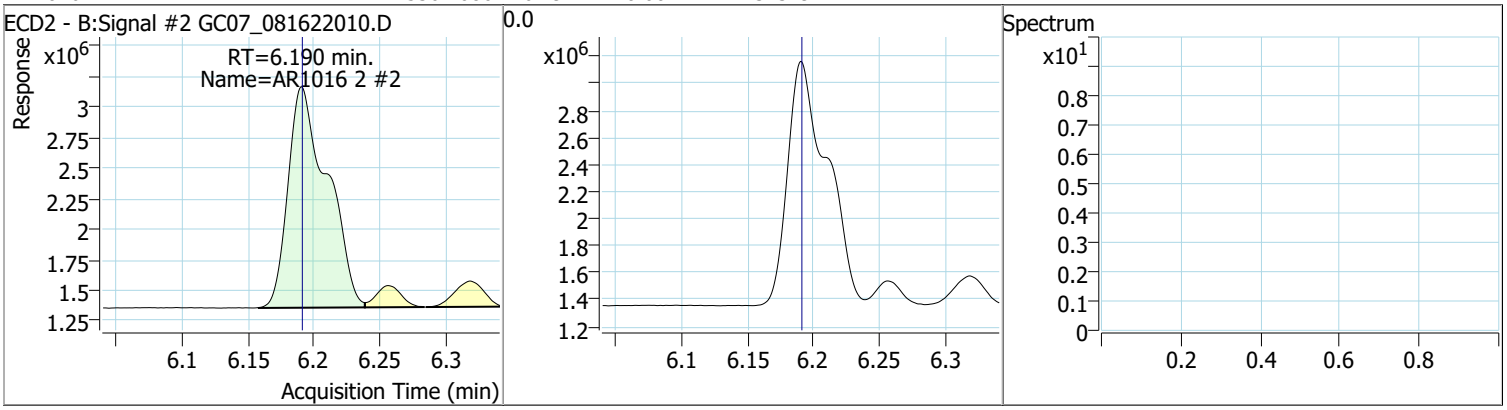
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1681.1848	5.77	0.00	1973074				



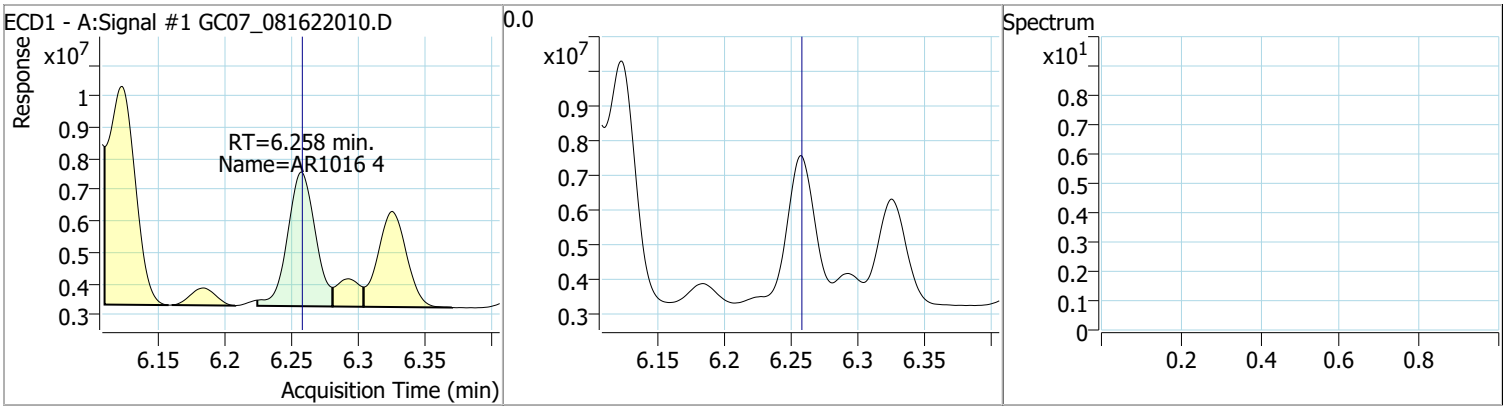
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1337.5155	6.12	0.00	9729481				



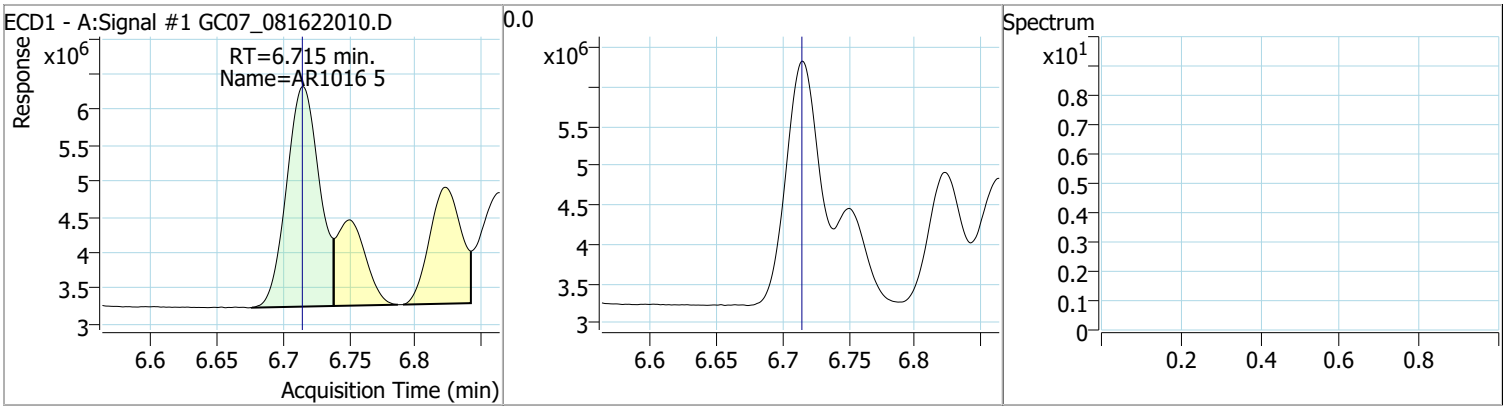
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1536.1086	6.19	0.00	3732947				



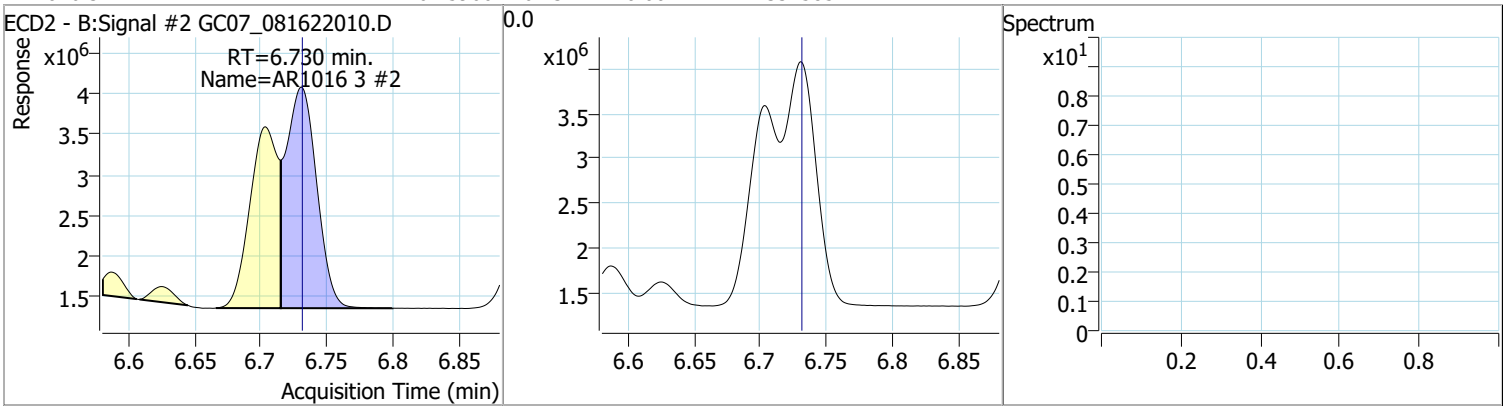
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1305.4282	6.26	0.00	6246926				



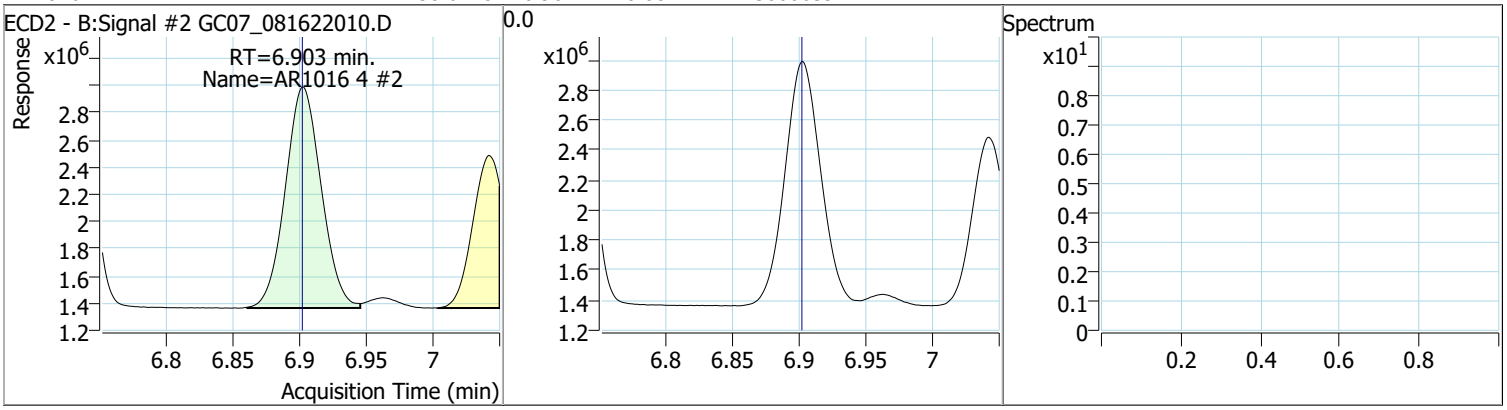
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1263.2455	6.72	0.00	5318525				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1462.5966	6.73	0.00	4332585				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1458.6478	6.90	0.00	3060639				



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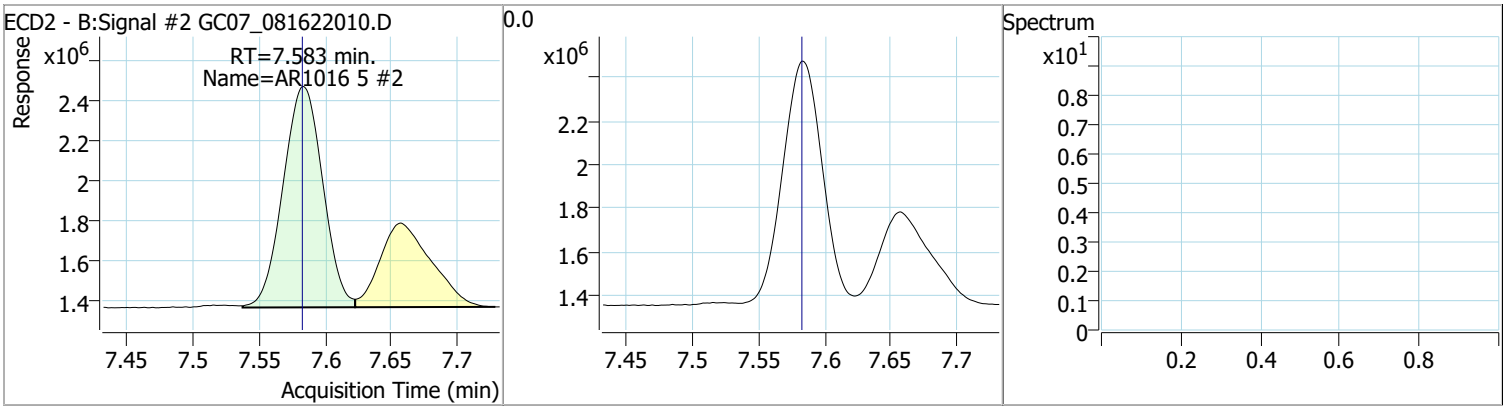
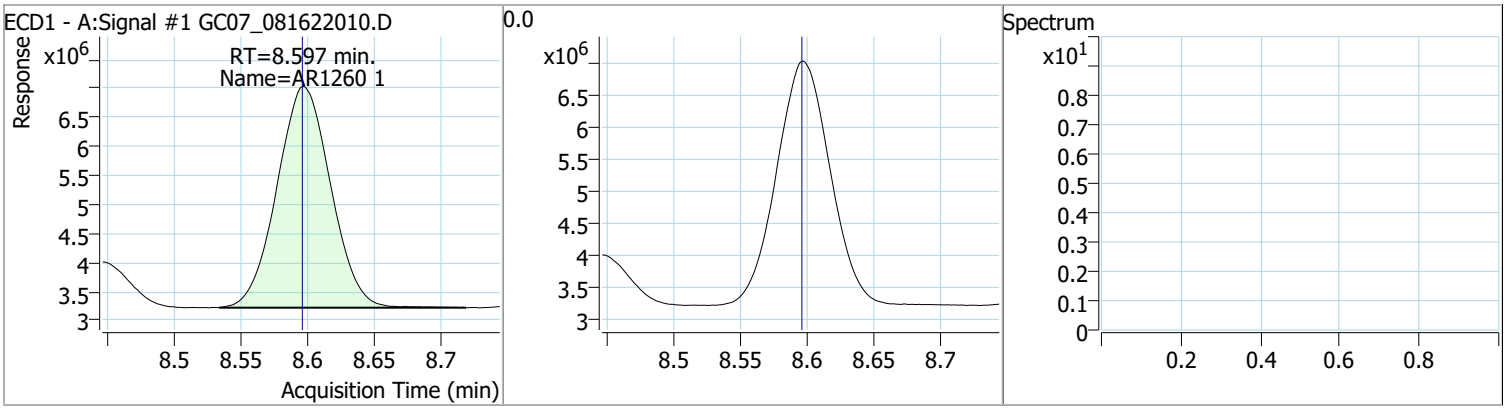
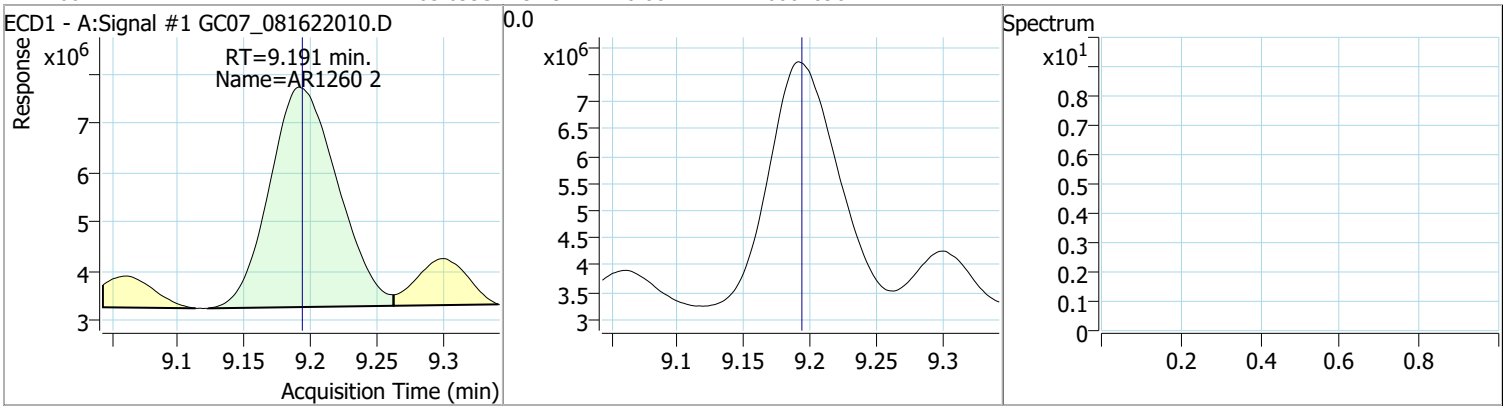
AR1016 5 #2	1391.7180	7.58	0.00	2319256				



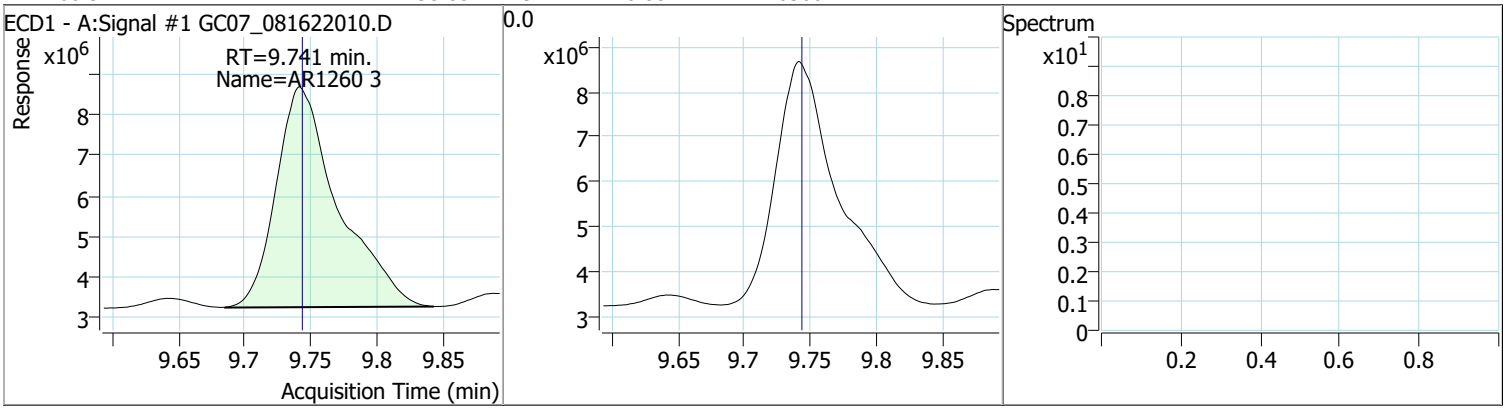
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1262.3076	8.60	0.00	10749040				



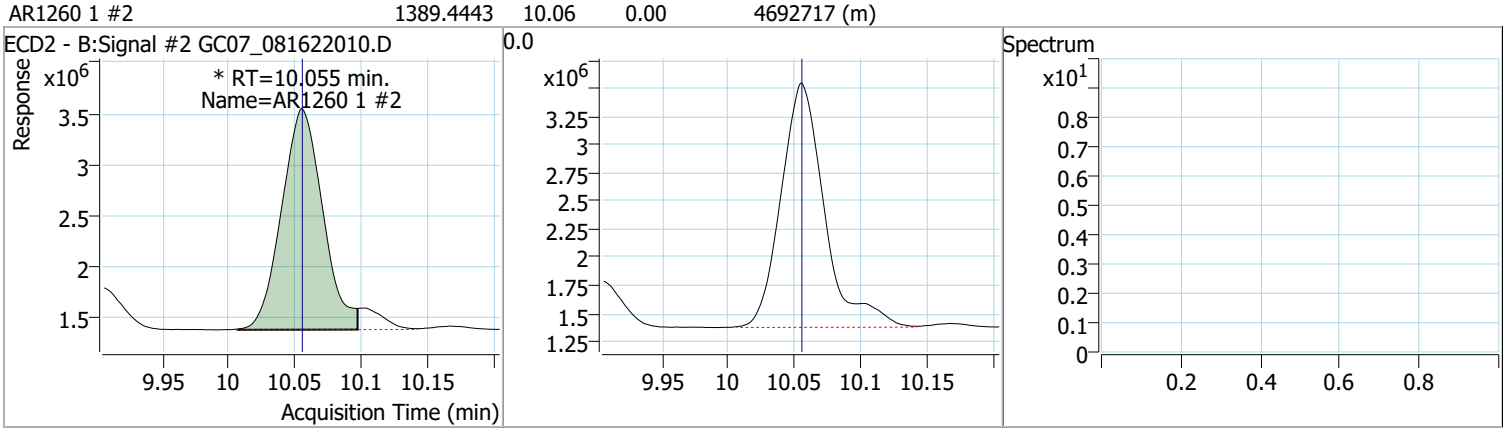
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1265.6993	9.19	0.00	16002090				



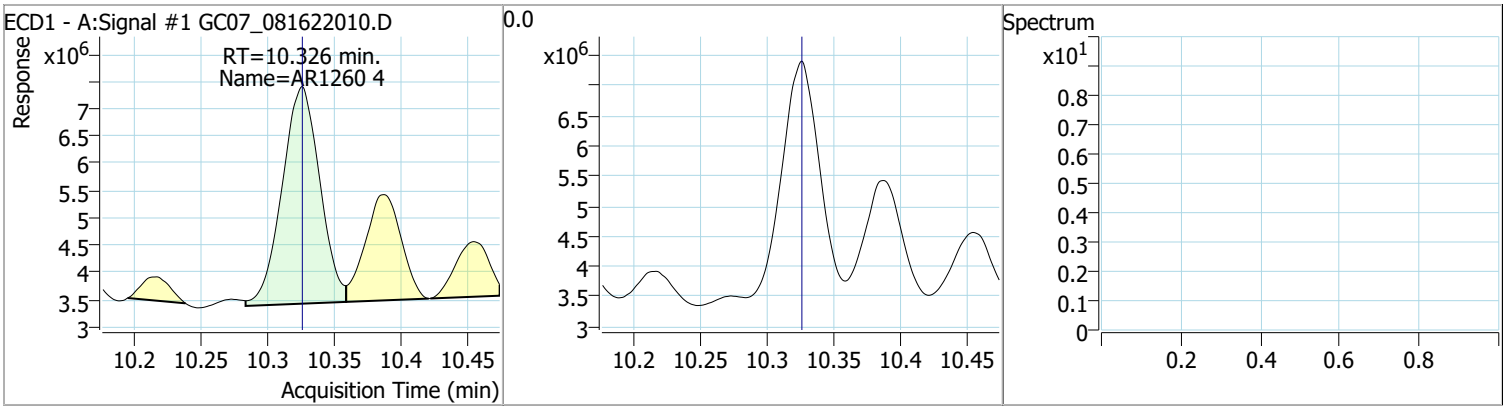
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1295.0542	9.74	0.00	17636074				



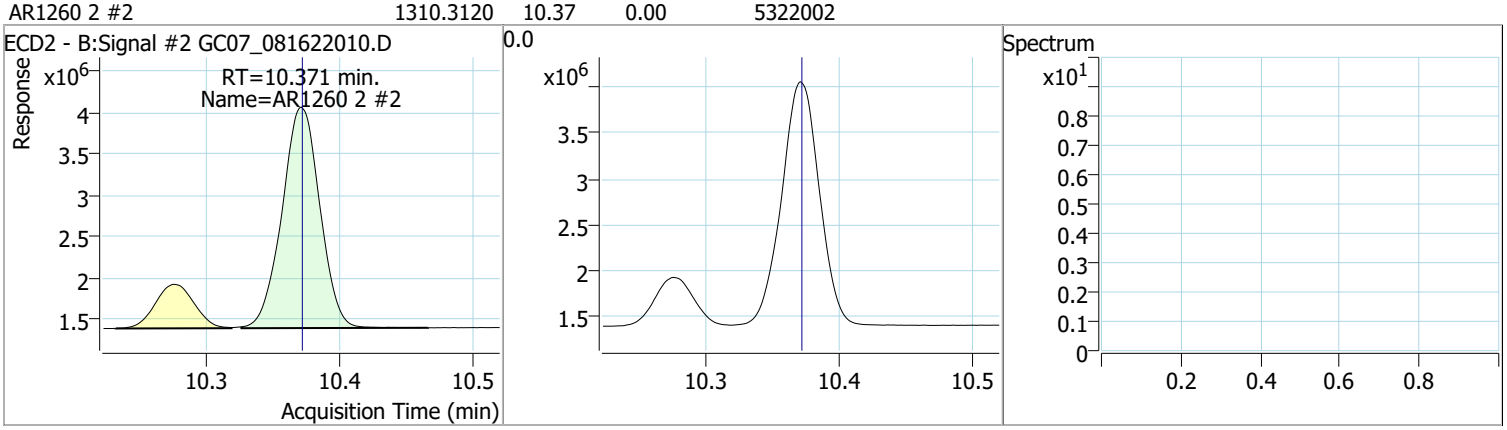
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1389.4443	10.06	0.00	4692717 (m)				



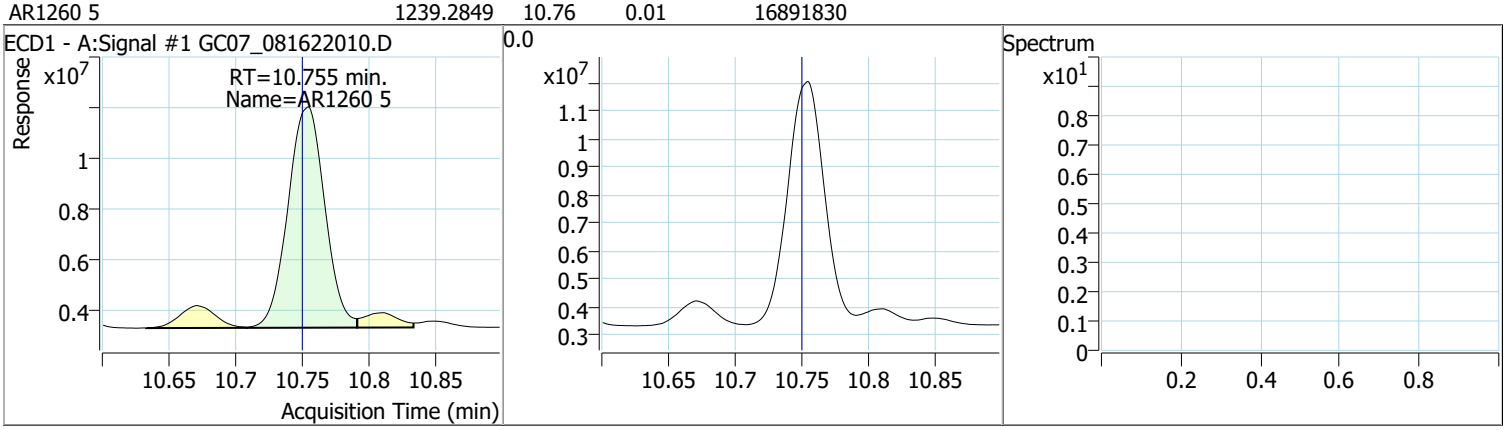
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1231.3691	10.33	0.00	7876304				



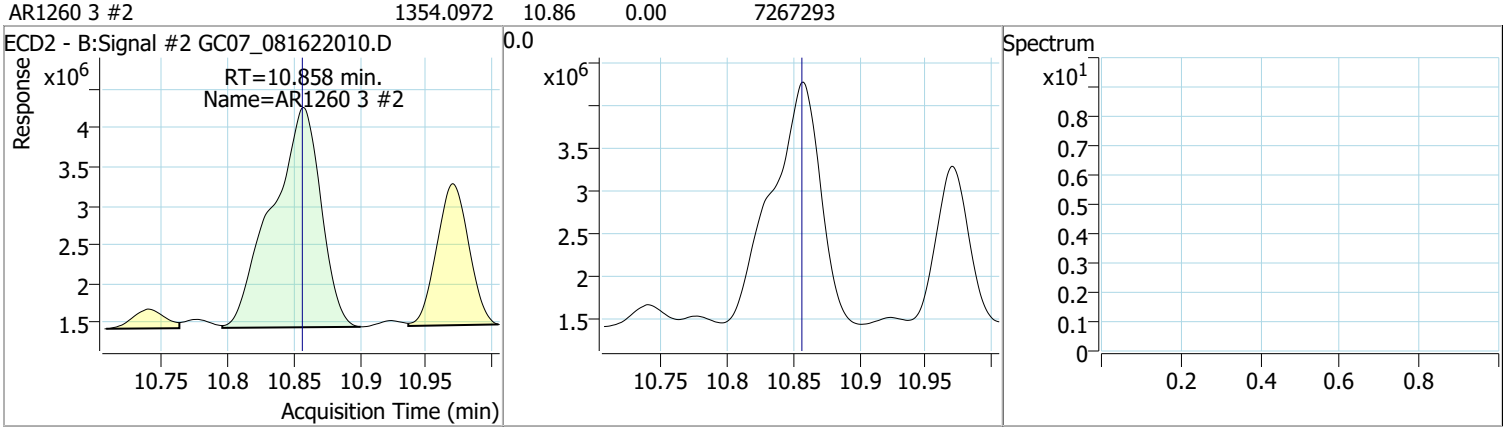
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1310.3120	10.37	0.00	5322002				



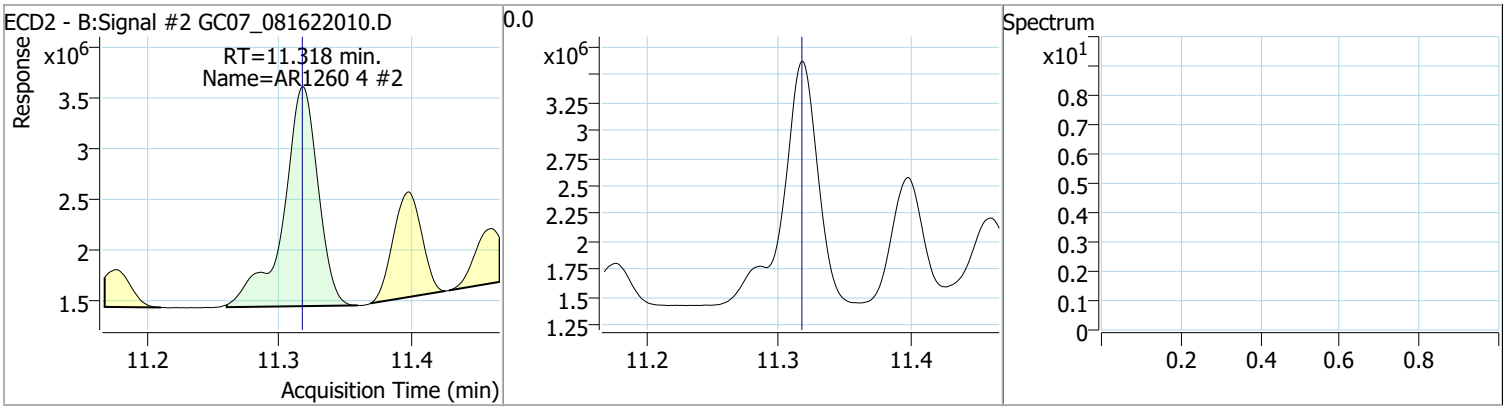
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1239.2849	10.76	0.01	16891830				



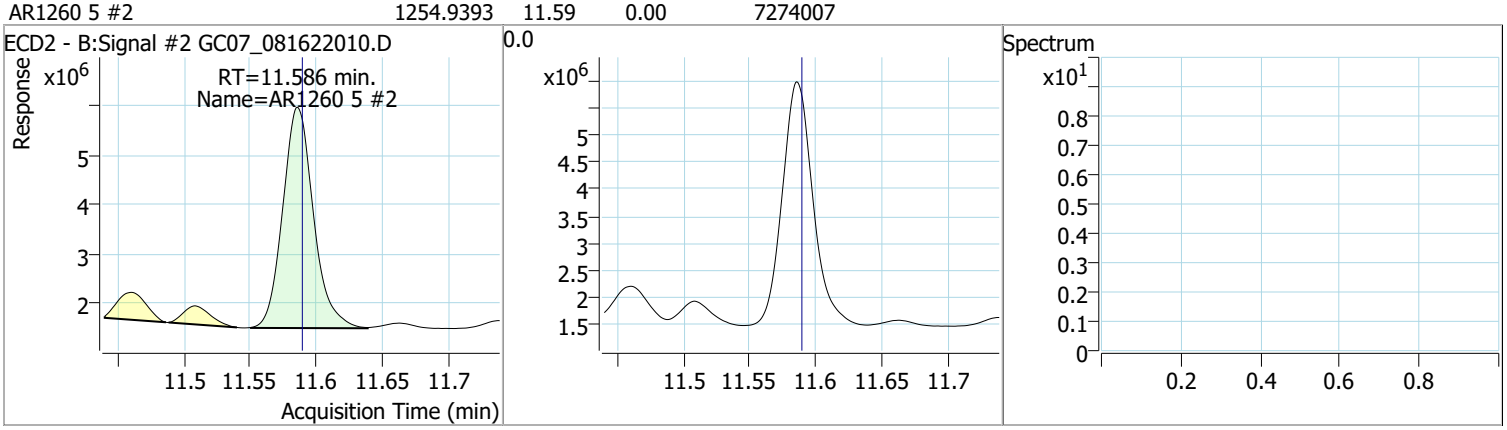
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1354.0972	10.86	0.00	7267293				



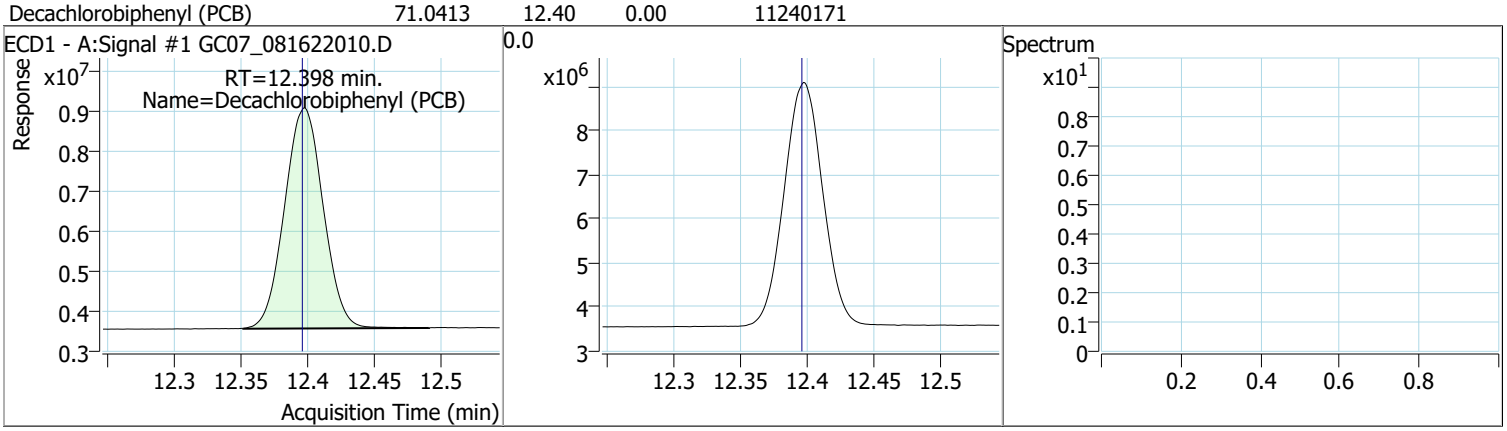
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1351.4400	11.32	0.00	3967430				



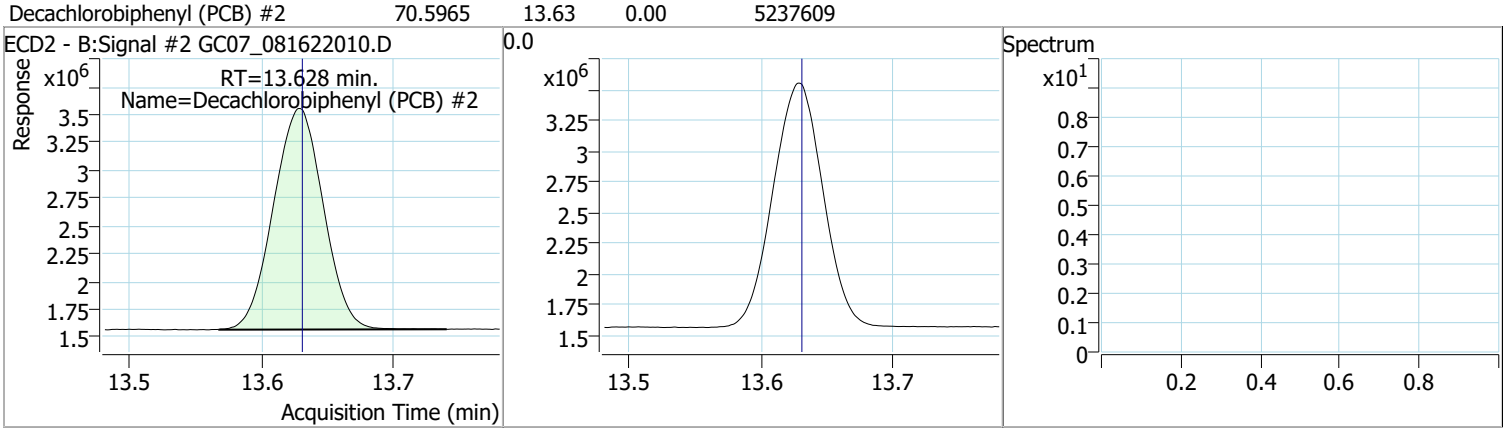
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1254.9393	11.59	0.00	7274007				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	71.0413	12.40	0.00	11240171				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	70.5965	13.63	0.00	5237609				



Quantitation Results Report (Not Reviewed)

Data File	GC07_081622012.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	8/16/2022 10:16:09 PM
Sample Name	ICV, S16460	Instrument	SVOA-GC07
Vial	40	Multiplier	1.00
DA Method File	PCB_608_081622_GC07_2.m	Comment	ICV PCB 500 PPB
Tune File	ATUNE.U	Tune Date	
Batch Name	081622PCBICAL.batch.bin	Last Calib Update	8/18/2022 11:24:04 AM
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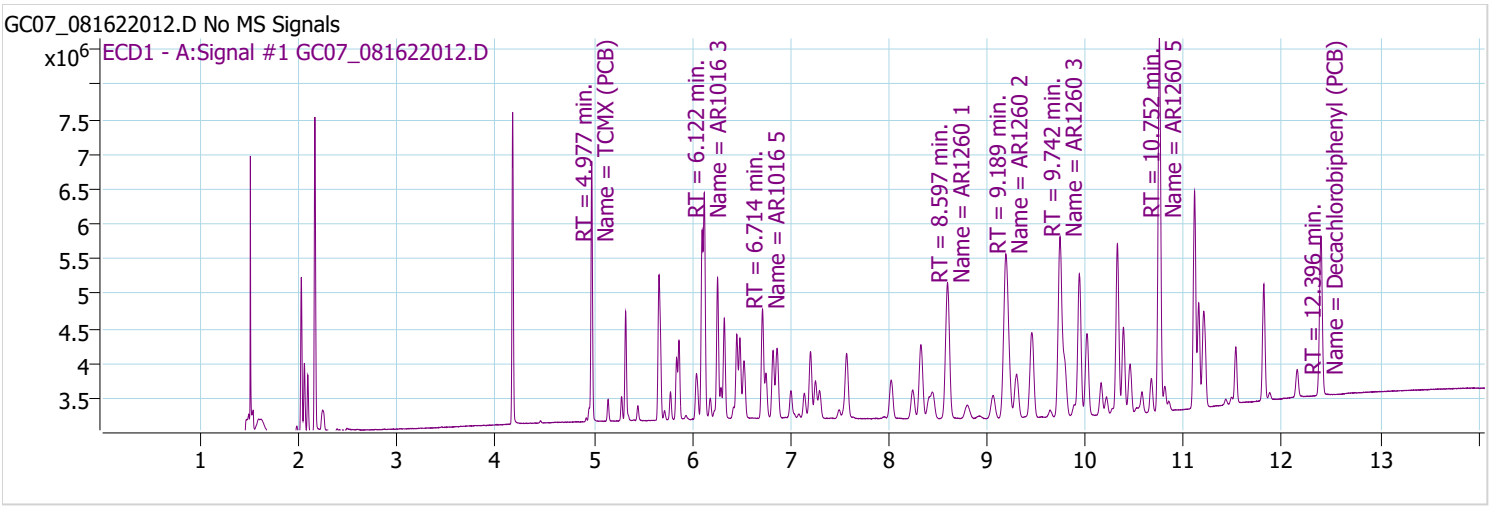
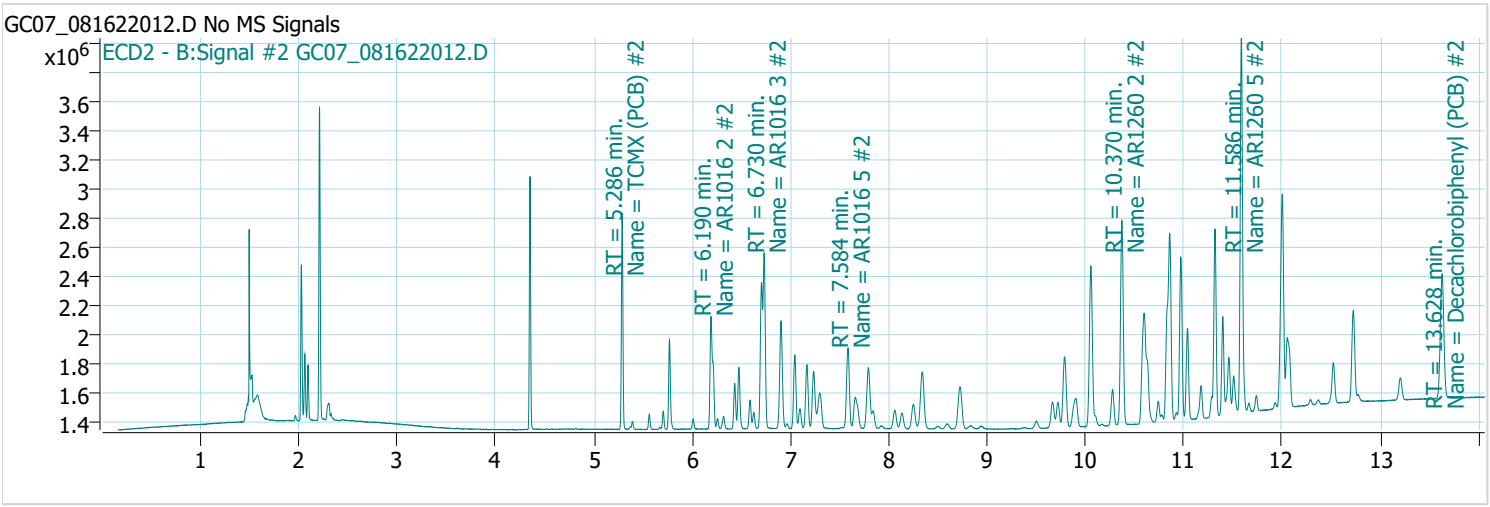


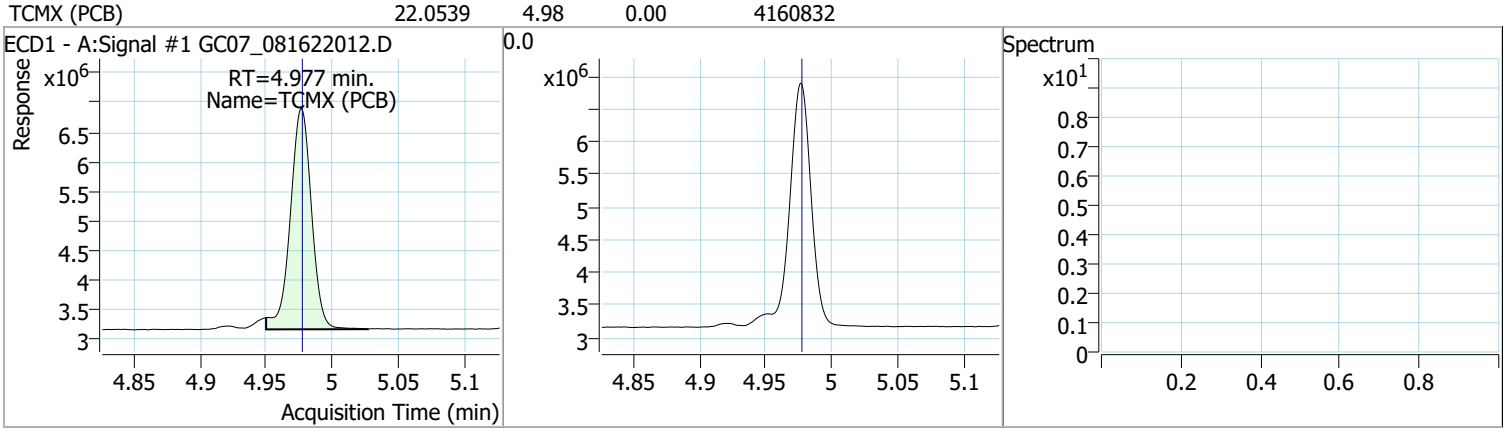


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.172	0.0	4205539.575	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.348	0.0	1569012.608	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.977	0.0	4160832.255	22.0539	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 110.27%		
S TCMX (PCB) #2	5.286	0.0	1592516.618	22.7492	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 113.75%		
S Decachlorobiphenyl (PCB)	12.396	0.0	4598672.302	23.2404	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 116.20%		
S Decachlorobiphenyl (PCB) #2	13.628	0.0	2162113.482	23.1187	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 115.59%		
Target Compounds						QValue

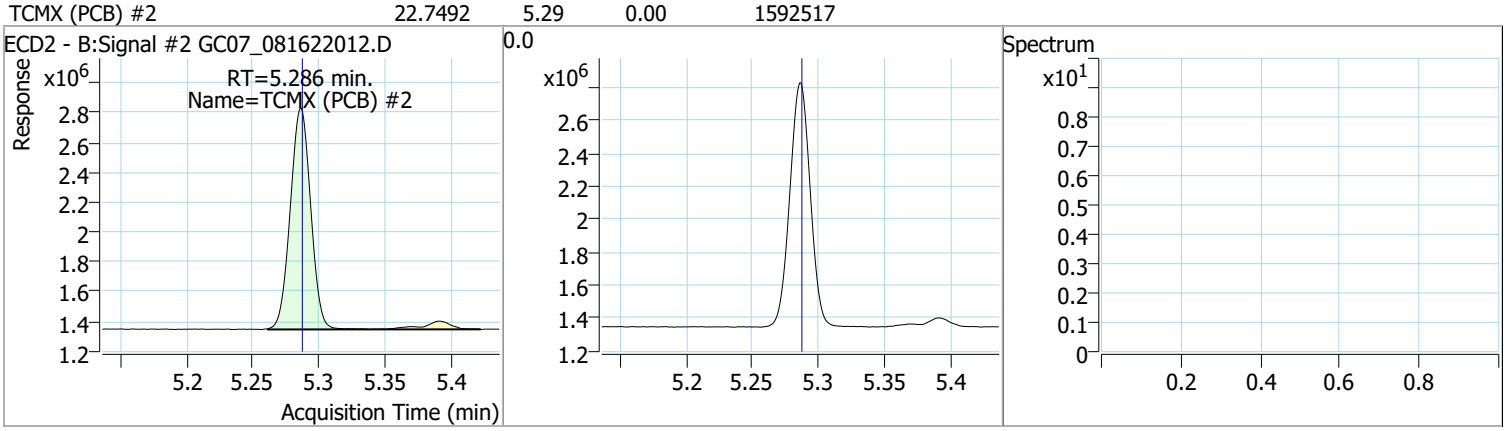
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.322	0.0	1927837.339	515.5843	ng/ml		100
T AR1016 2	5.662	0.0	3639982.959	479.7139	ng/ml		100
T AR1016 1 #2	5.768	0.0	774268.102	523.3566	ng/ml		100
T AR1016 3	6.122	0.0	4545100.310	499.6037	ng/ml		100
T AR1016 2 #2	6.190	0.0	1580187.045	515.8375	ng/ml		100
T AR1016 4	6.257	0.0	2929235.529	489.4562	ng/ml		100
T AR1016 5	6.714	0.0	2653994.291	504.0453	ng/ml		100
T AR1016 3 #2	6.730	0.0	1895441.498	507.6005	ng/ml		100
T AR1016 4 #2	6.903	0.0	1396090.341	527.8203	ng/ml		100
T AR1016 5 #2	7.584	0.0	1120001.978	533.1576	ng/ml		100
T AR1260 1	8.597	0.0	5500413.141	516.4923	ng/ml		100
T AR1260 2	9.189	0.0	8209784.233	519.2285	ng/ml		100
T AR1260 3	9.742	0.0	7519228.143	441.5016	ng/ml		100
T AR1260 1 #2	10.055	0.0	2314781.492	543.7021	ng/ml	m	100
T AR1260 4	10.324	0.0	4798447.488	599.8457	ng/ml		100
T AR1260 2 #2	10.370	0.0	2741849.170	535.5222	ng/ml		100
T AR1260 5	10.752	0.0	10354372.197	607.4230	ng/ml		100
T AR1260 3 #2	10.857	0.0	3488640.236	515.6650	ng/ml		100
T AR1260 4 #2	11.318	0.0	2207028.750	596.3891	ng/ml	m	100
T AR1260 5 #2	11.586	0.0	4301374.576	588.6952	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

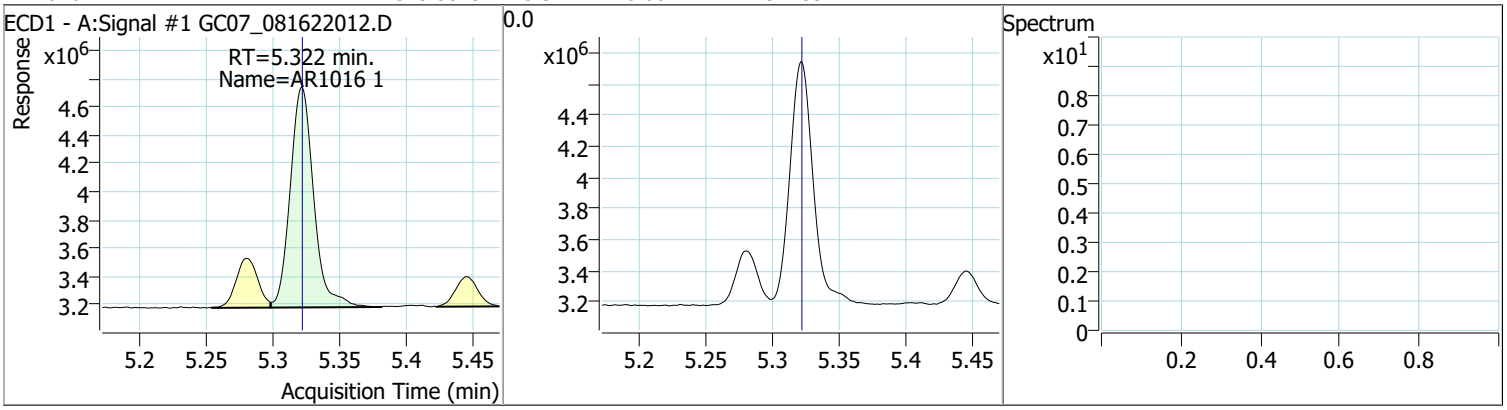
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	22.0539	4.98	0.00	4160832				



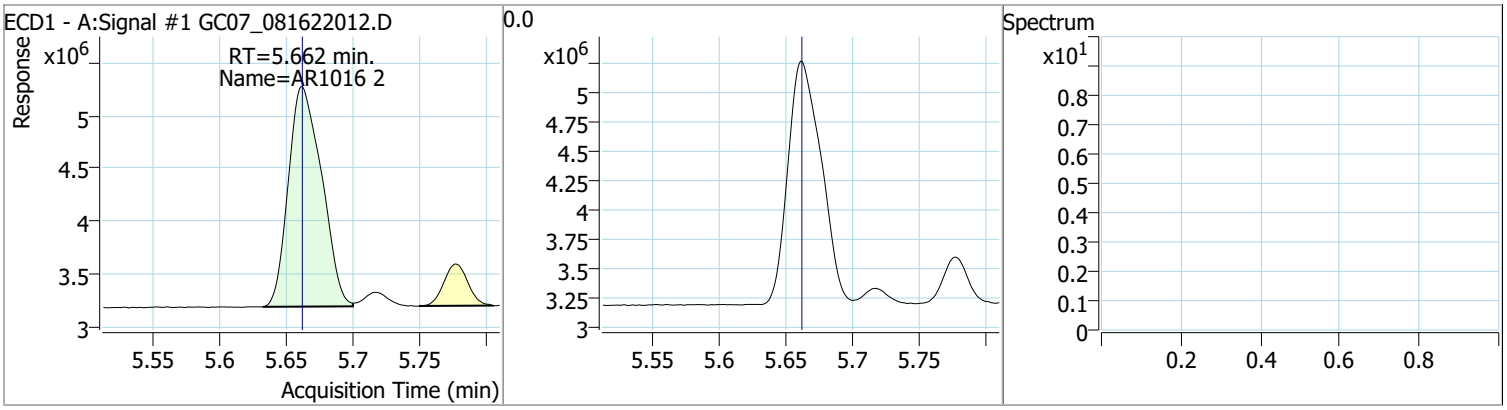
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	22.7492	5.29	0.00	1592517				



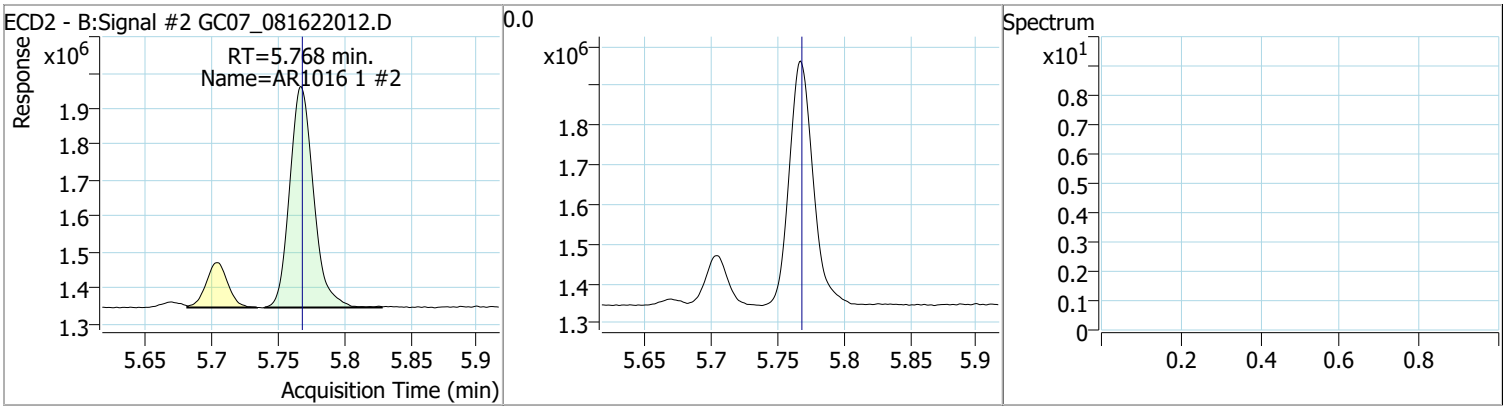
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	515.5843	5.32	0.00	1927837				



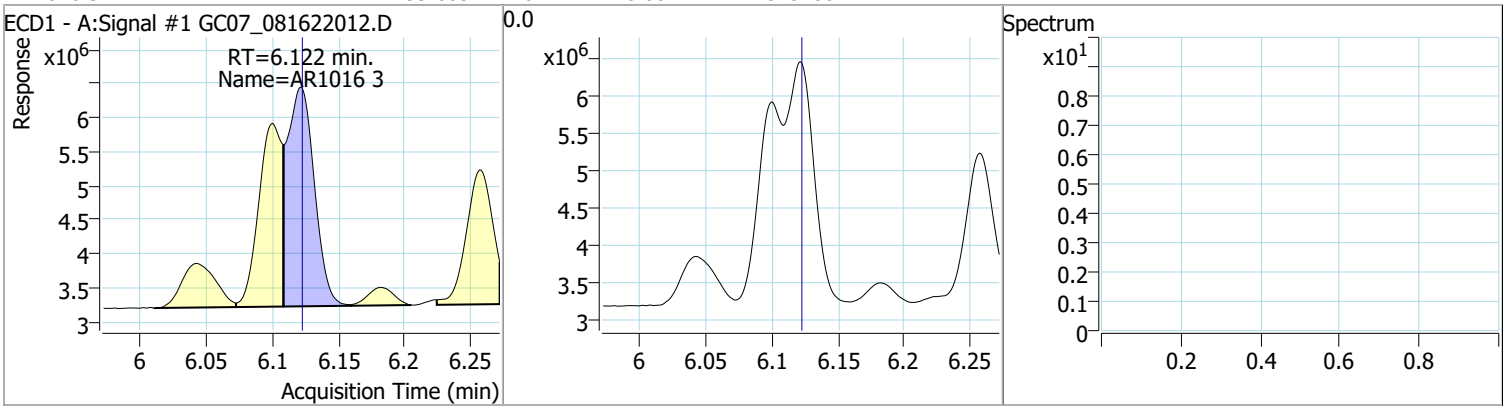
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	479.7139	5.66	0.00	3639983				



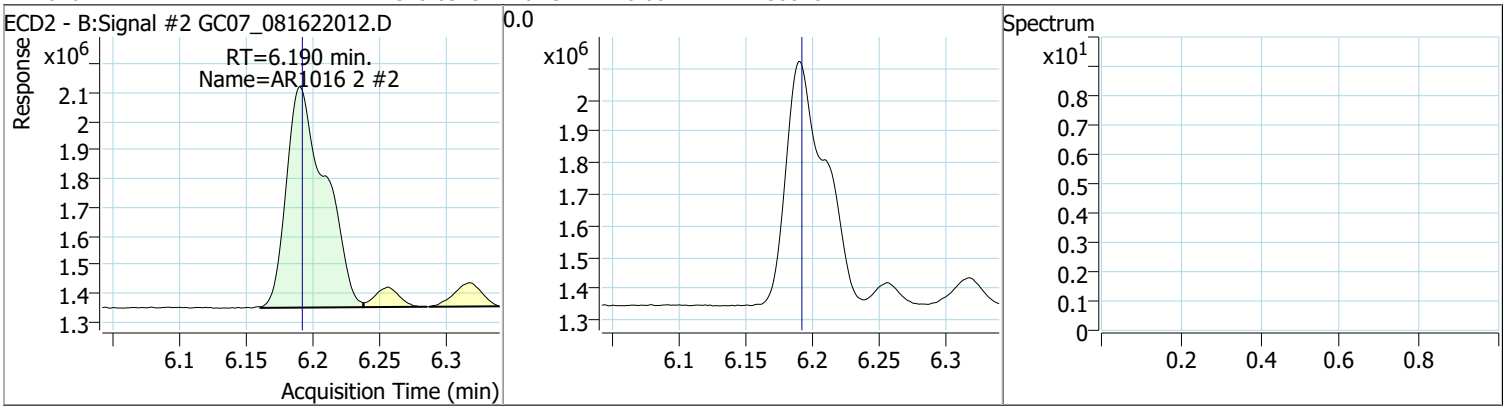
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	523.3566	5.77	0.00	774268				



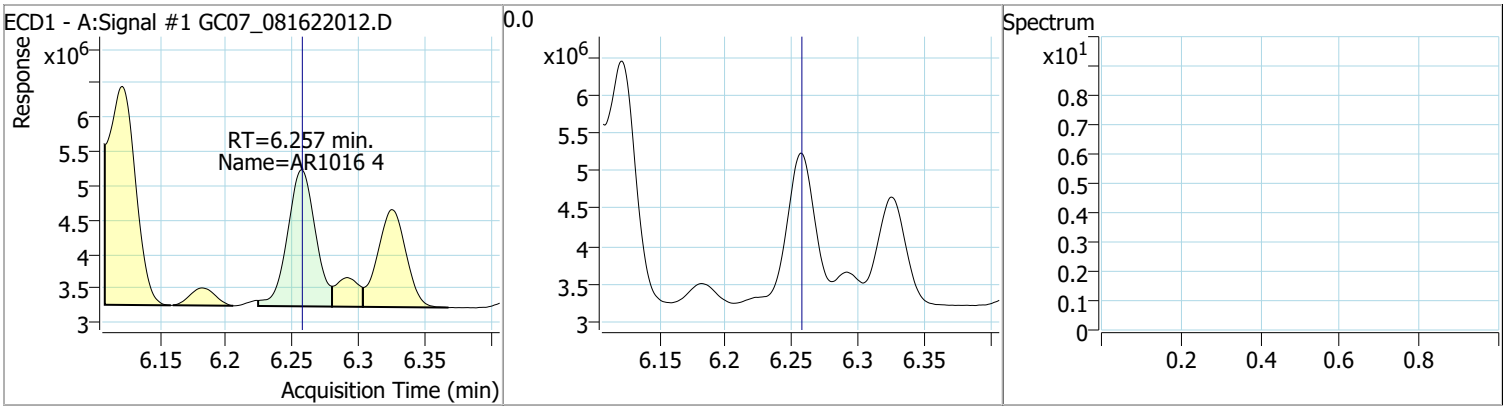
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	499.6037	6.12	0.00	4545100				



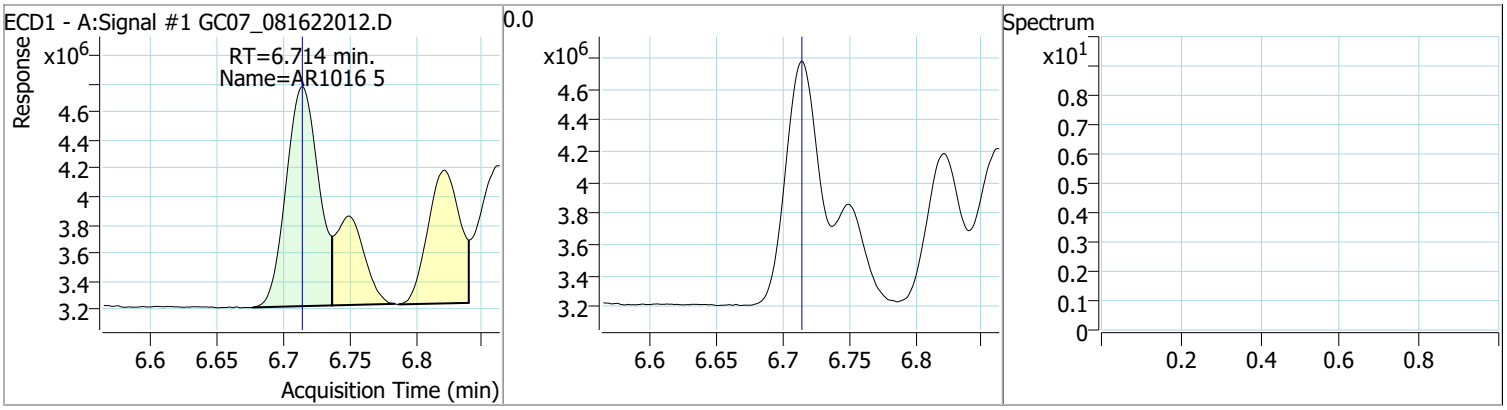
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	515.8375	6.19	0.00	1580187				



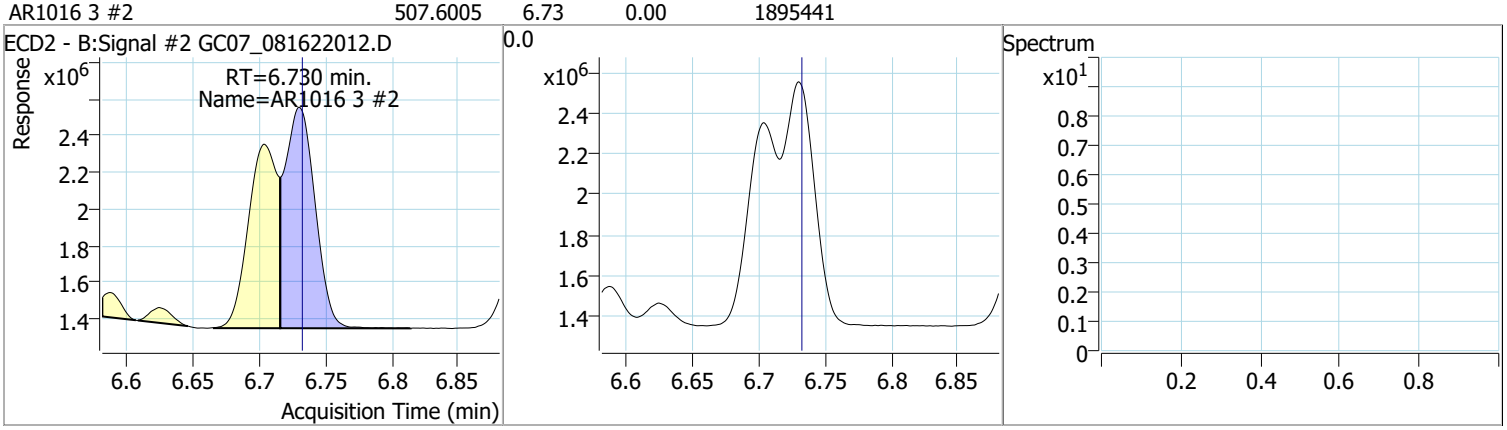
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	489.4562	6.26	0.00	2929236				



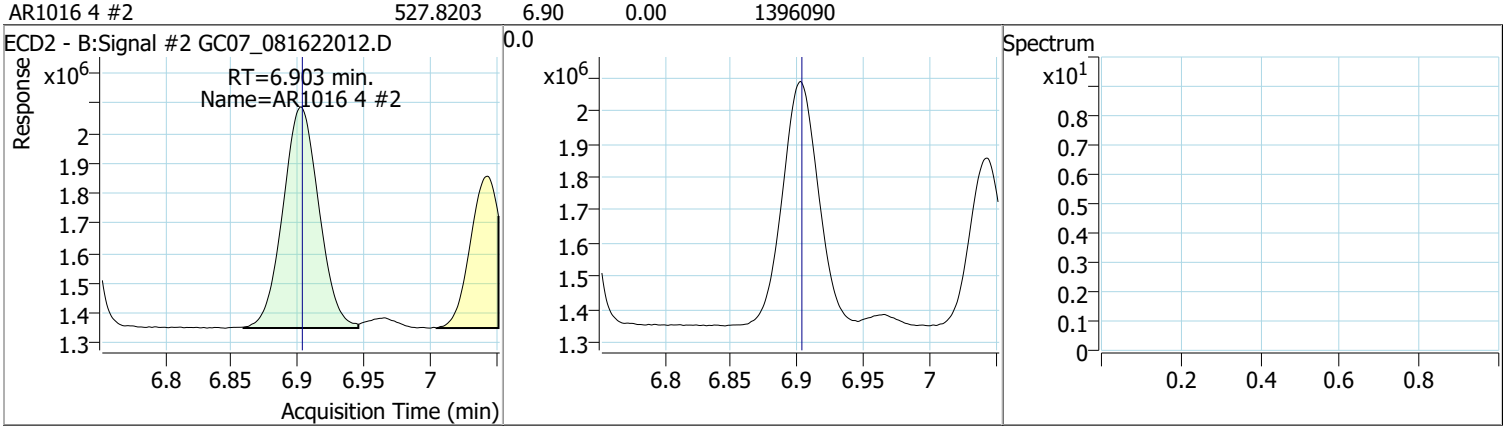
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	504.0453	6.71	0.00	2653994				



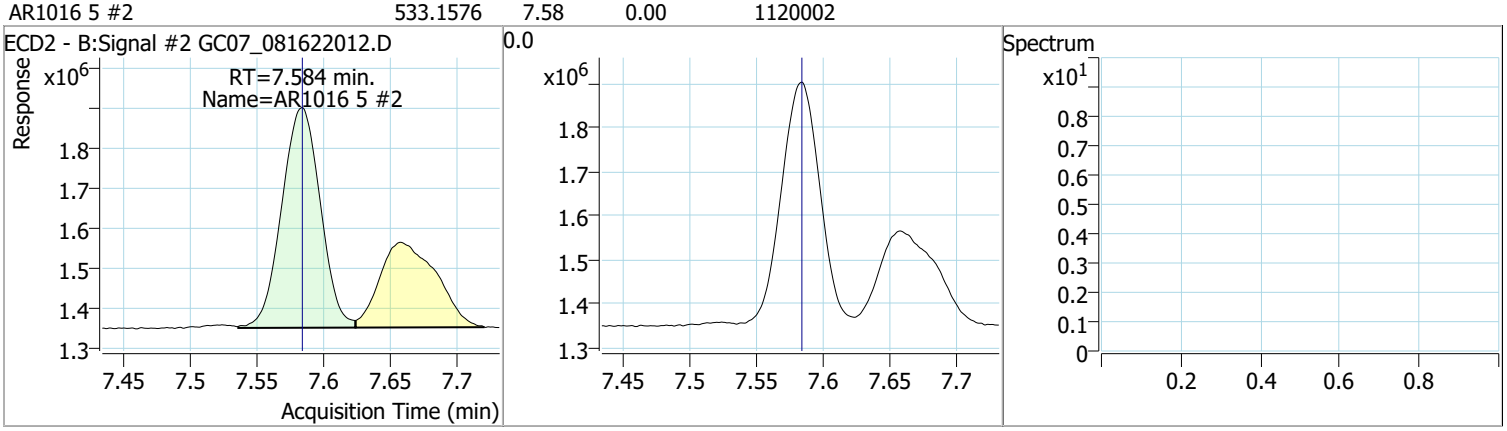
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	507.6005	6.73	0.00	1895441				



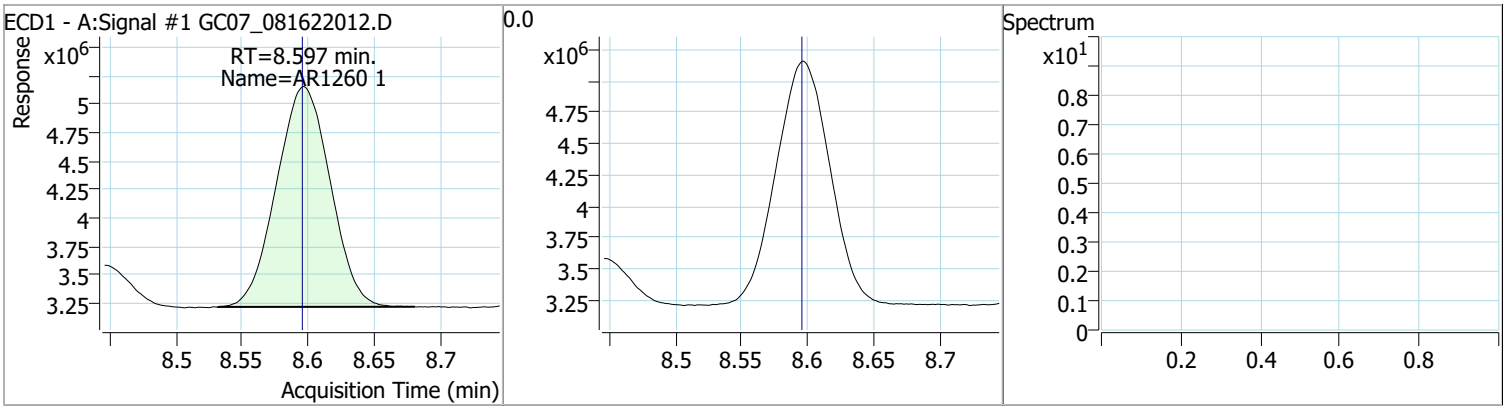
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	527.8203	6.90	0.00	1396090				



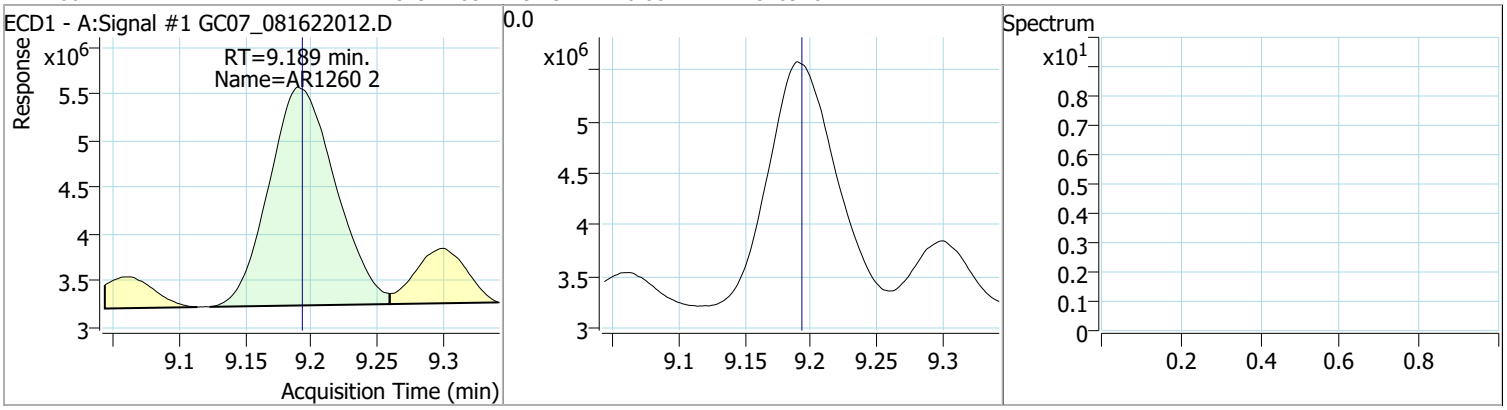
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	533.1576	7.58	0.00	1120002				



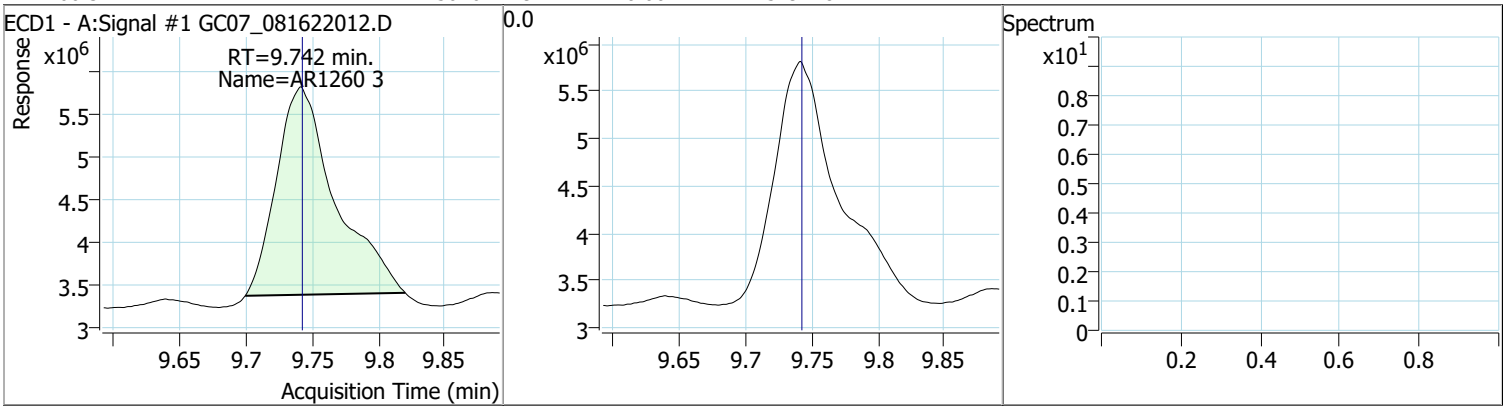
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	516.4923	8.60	0.00	5500413				



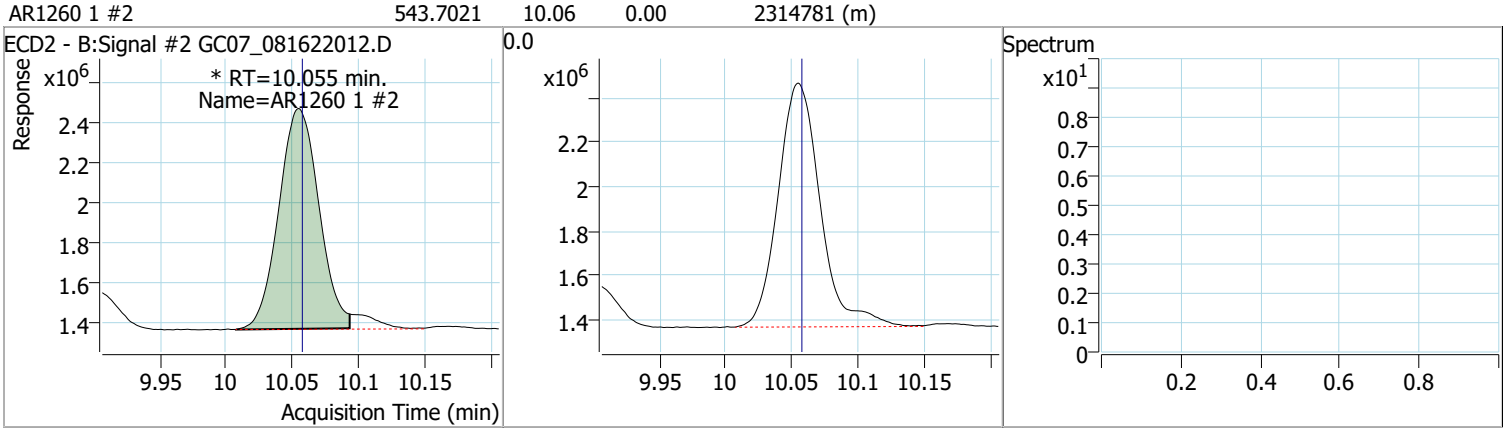
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	519.2285	9.19	0.00	8209784				



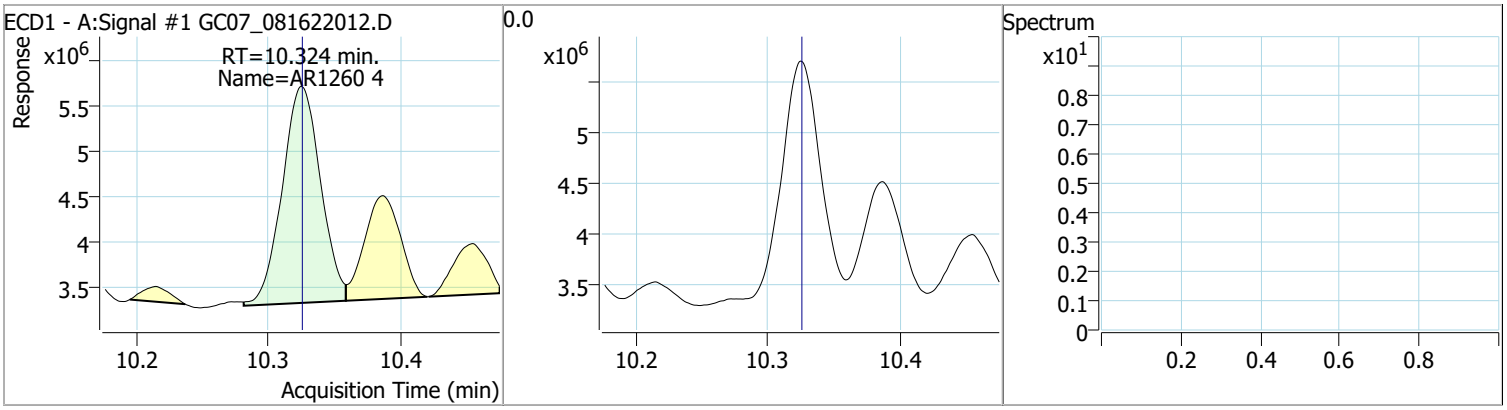
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	441.5016	9.74	0.00	7519228				



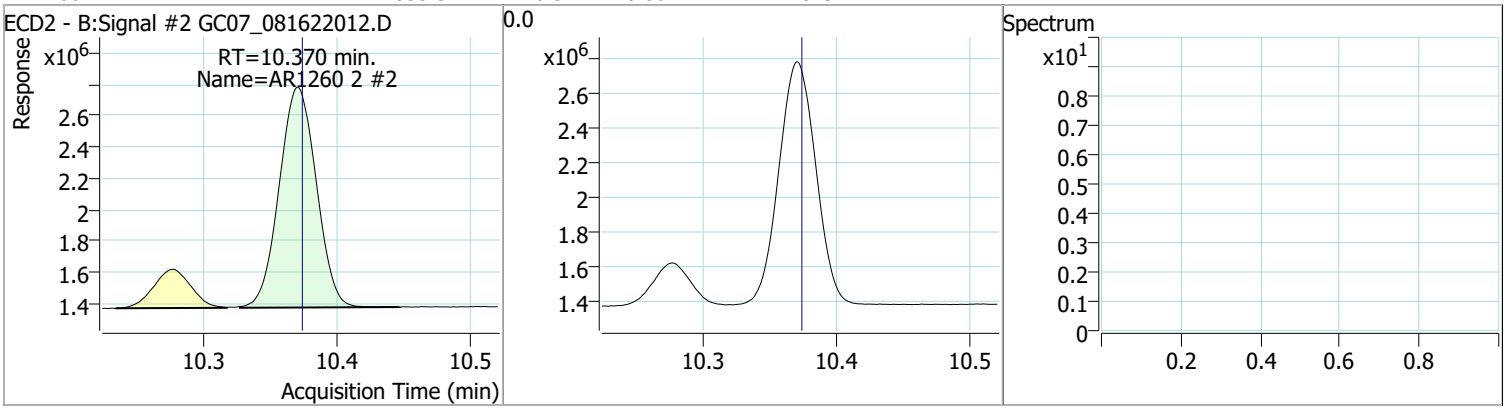
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	543.7021	10.06	0.00	2314781 (m)				



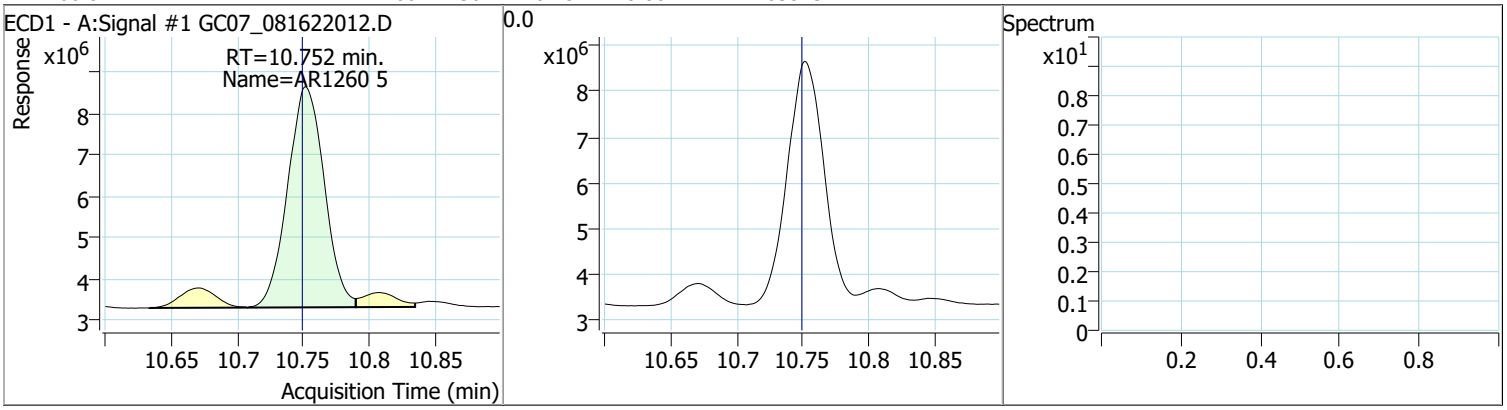
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	599.8457	10.32	0.00	4798447				



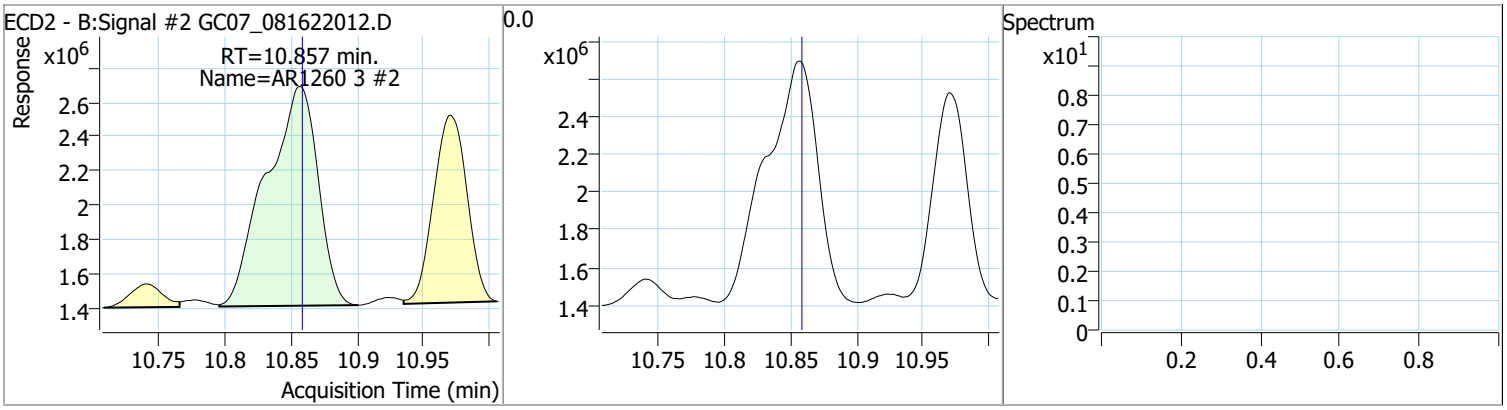
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	535.5222	10.37	0.00	2741849				



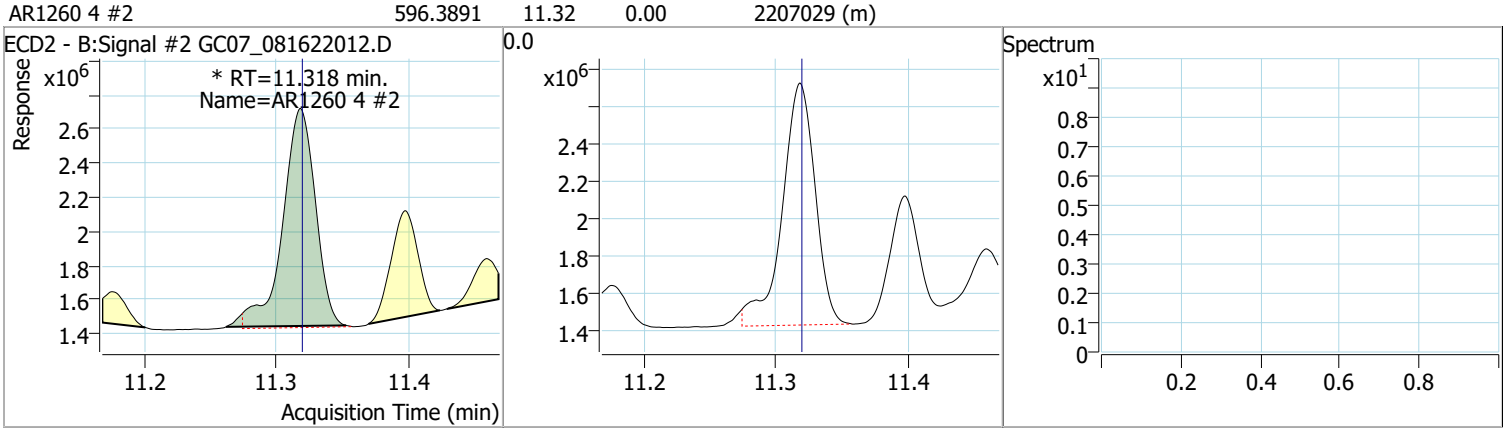
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	607.4230	10.75	0.00	10354372				



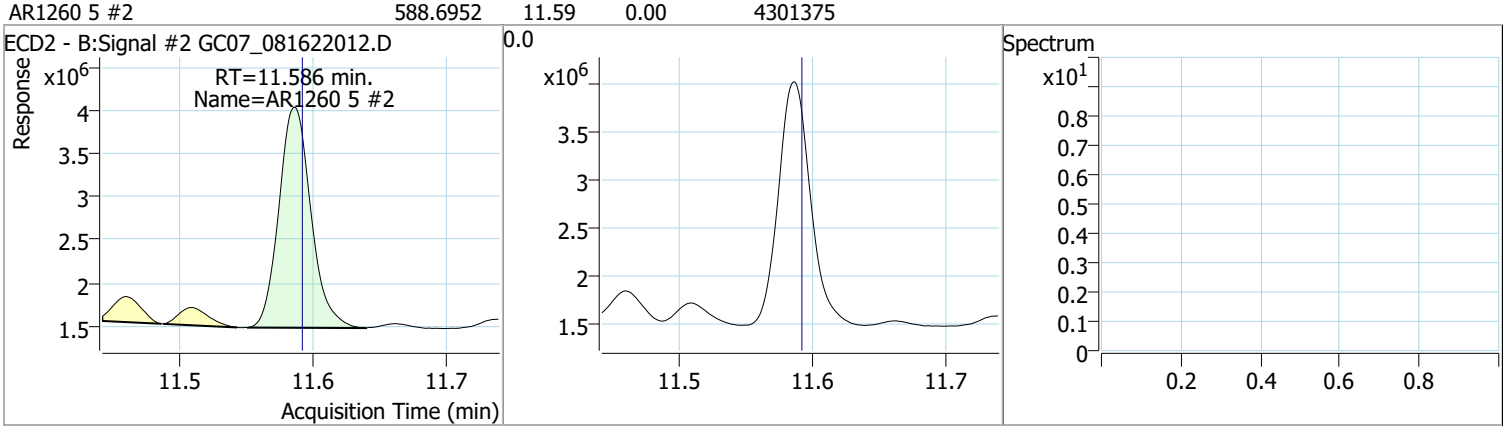
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	515.6650	10.86	0.00	3488640				



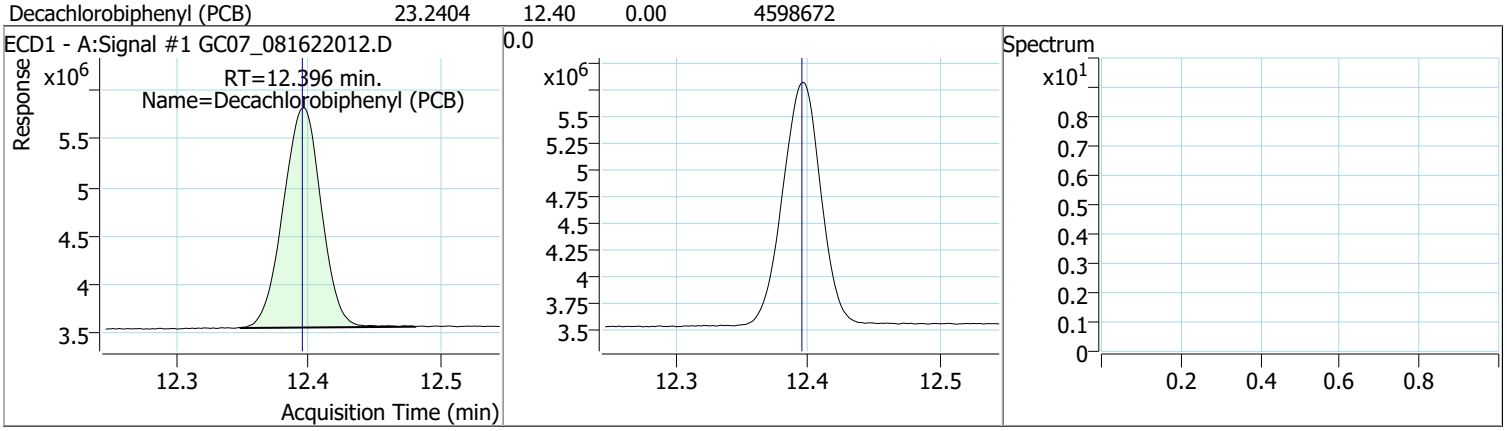
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	596.3891	11.32	0.00	2207029 (m)				



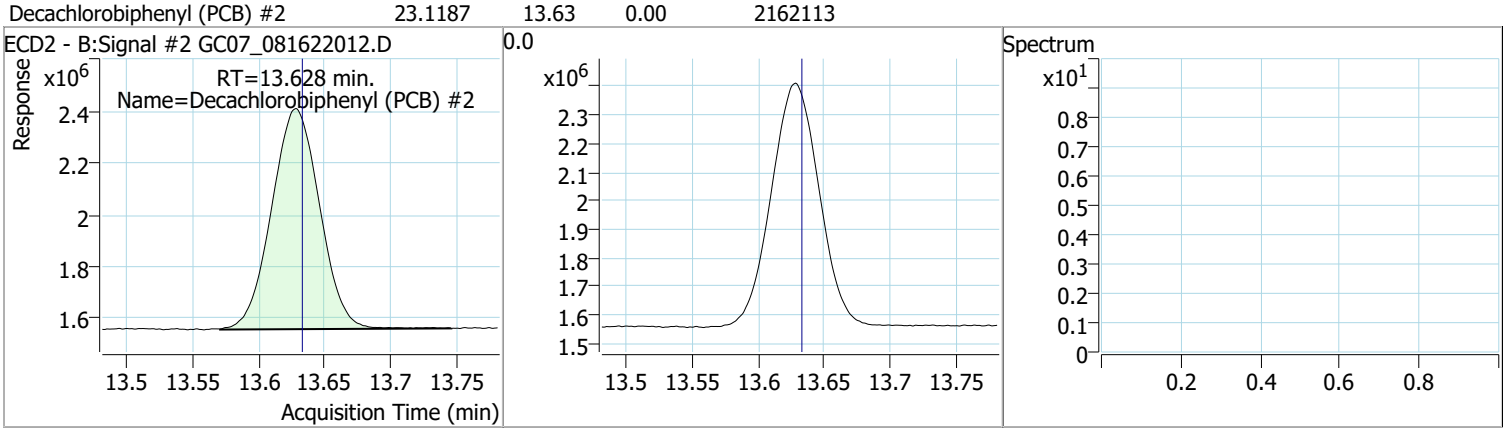
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	588.6952	11.59	0.00	4301375				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	23.2404	12.40	0.00	4598672				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	23.1187	13.63	0.00	2162113				



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 467322 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07			IDF:	1.0
Seqnum:	462330672008	File:	gc07_081722008	Time:	17-AUG-2022 16:23
Cal:	462329480002	Caldate:	16-AUG-2022		

Standards: S17006

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	505.6	ug/L	1	15	0.0000	
Aroclor-1260	A			500.0	565.6	ug/L	13	15	0.0000	
Decachlorobiphenyl (PCB)	A	0.9406	1.1378	20.00	24.19	pg/uL	**21**	15	0.0000	c+
TCMX (PCB)	A	0.8968	0.9800	20.00	21.86	pg/uL	9	15	0.0000	
Aroclor-1016	B			500.0	536.6	ug/L	7	15	0.0000	
Aroclor-1260	B			500.0	572.9	ug/L	15	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.1915	1.4031	20.00	23.55	pg/uL	**18**	15	0.0000	c+
TCMX (PCB)	B	0.8918	1.0199	20.00	22.87	pg/uL	14	15	0.0000	

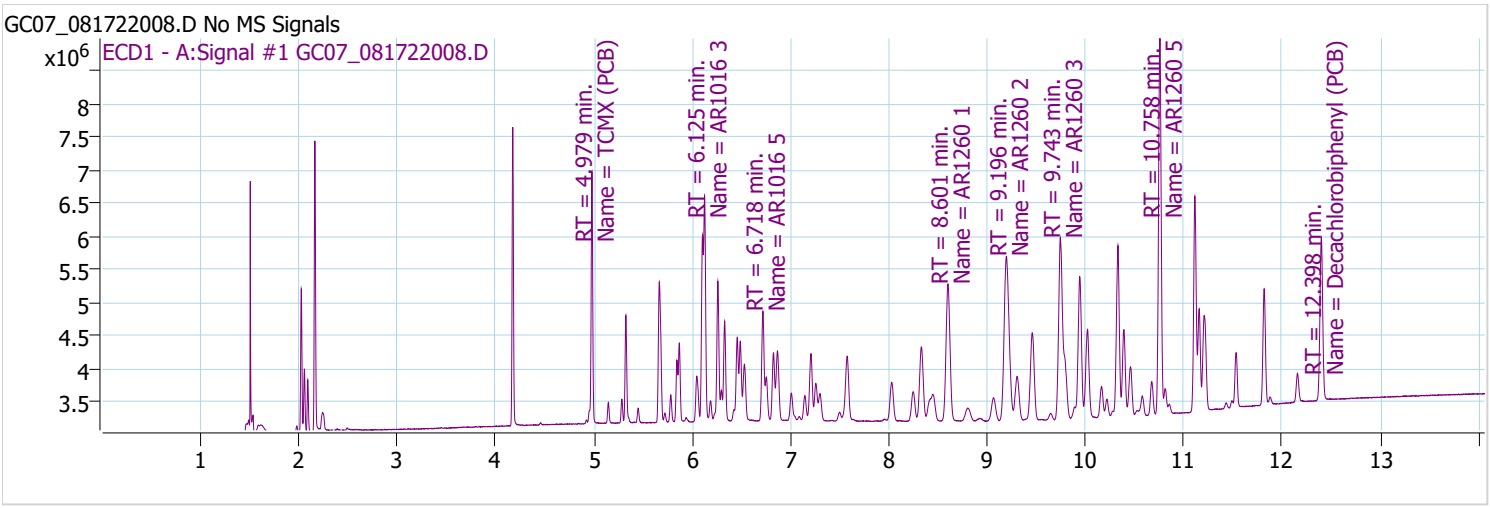
ISTD (ICAL gc07_081622003)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1688394	1614566	-4.37
1-bromo-2-nitrobenzene (PCB)	A	4507968	4299947	-4.61

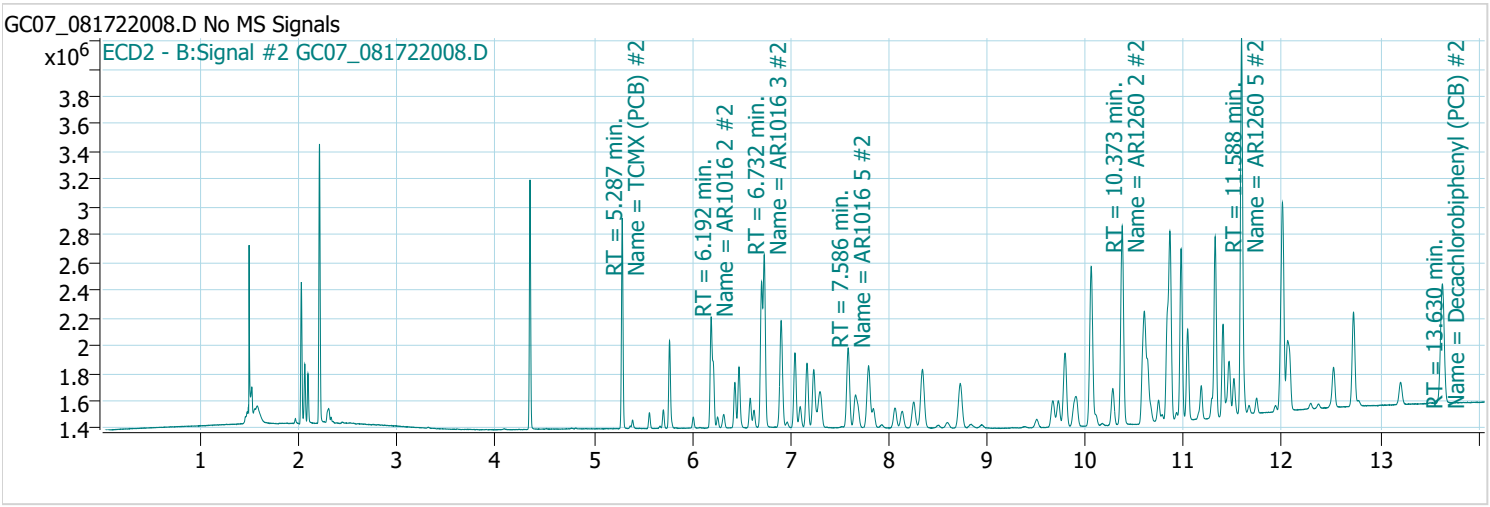
+=high bias c=CCV

Analyst: TRN 08/18/22 **Reviewer:** LW 08/19/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_081722008.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	8/17/2022 4:23:18 PM
Sample Name	CCV, S17006	Instrument	SVOA-GC07
Vial	144	Multiplier	1.00
DA Method File	PCB_608_081622_GC07_2.m	Comment	500PPB PCB CCV
Tune File	ATUNE.U	Tune Date	
Batch Name	081722PCB.batch.bin	Last Calib Update	8/18/2022 11:24:04 AM
Ref Library			



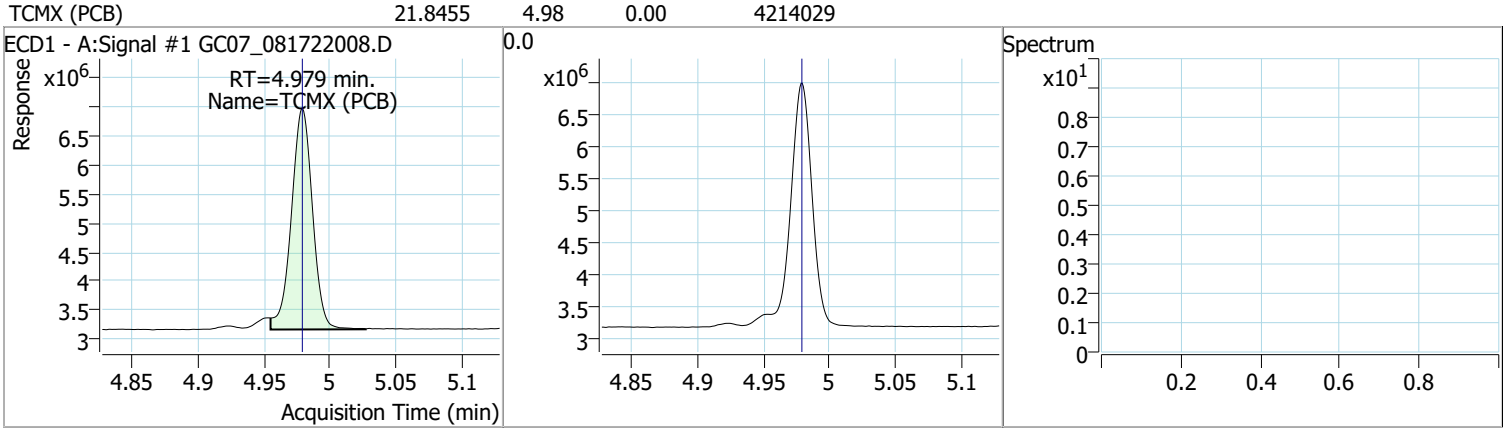


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.174	0.0	4299946.838	20.0000	ng/ml	0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.349	0.0	1614566.161	20.0000	ng/ml	0.001
System Monitoring Compounds						
S TCMX (PCB)	4.979	0.0	4214029.459	21.8455	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 109.23%		
S TCMX (PCB) #2	5.287	0.0	1646713.460	22.8597	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 114.30%		
S Decachlorobiphenyl (PCB)	12.398	0.0	4892394.915	24.1819	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 120.91%		
S Decachlorobiphenyl (PCB) #2	13.630	0.0	2265451.531	23.5402	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 117.70%		
Target Compounds						QValue

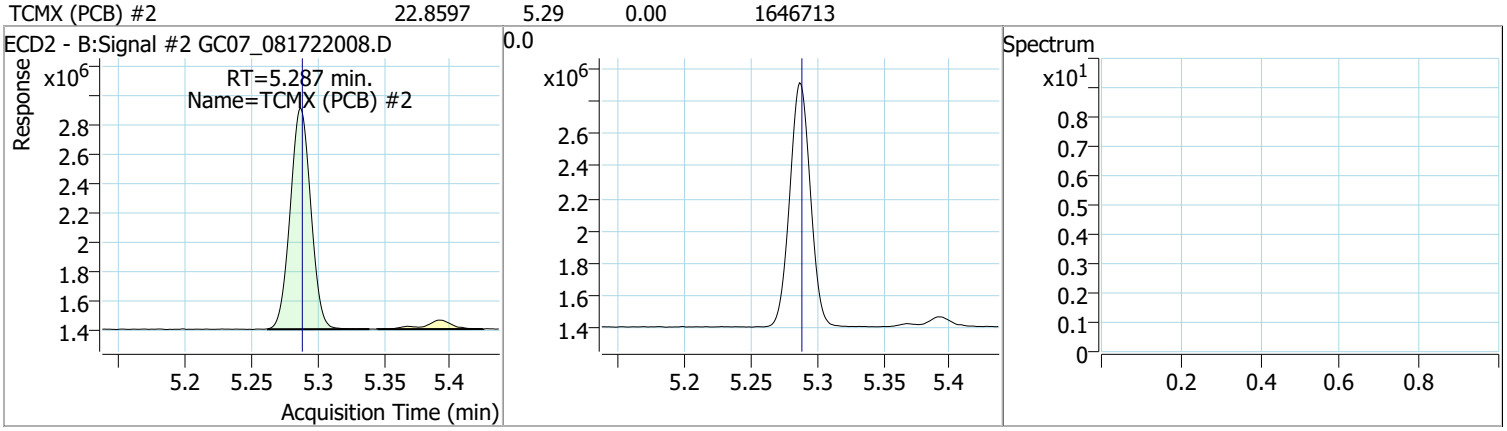
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.324	0.0	1963807.013	513.6730	ng/ml	100
T AR1016 2	5.664	0.0	3747120.885	482.9913	ng/ml	100
T AR1016 1 #2	5.768	0.0	818074.688	537.3656	ng/ml	100
T AR1016 3	6.125	0.0	4791908.066	515.1685	ng/ml	100
T AR1016 2 #2	6.192	0.0	1657426.619	525.7863	ng/ml	100
T AR1016 4	6.260	0.0	3047817.920	498.0893	ng/ml	100
T AR1016 5	6.718	0.0	2782227.968	516.7981	ng/ml	100
T AR1016 3 #2	6.732	0.0	1995120.847	519.2200	ng/ml	100
T AR1016 4 #2	6.903	0.0	1482651.099	544.7310	ng/ml	100
T AR1016 5 #2	7.586	0.0	1198627.215	554.4872	ng/ml	100
T AR1260 1	8.601	0.0	5845940.209	536.8853	ng/ml	100
T AR1260 2	9.196	0.0	8560855.031	529.5446	ng/ml	100
T AR1260 3	9.743	0.0	9154221.693	525.7013	ng/ml	100
T AR1260 1 #2	10.058	0.0	2609373.250	595.6043	ng/ml	100
T AR1260 4	10.330	0.0	5036347.782	615.7624	ng/ml	100
T AR1260 2 #2	10.373	0.0	2915234.508	553.3221	ng/ml	100
T AR1260 5	10.758	0.0	10786458.693	618.8779	ng/ml	100
T AR1260 3 #2	10.858	0.0	3610654.003	518.6423	ng/ml	100
T AR1260 4 #2	11.319	0.0	2280083.106	598.7465	ng/ml	100
T AR1260 5 #2	11.588	0.0	4486294.081	596.6801	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

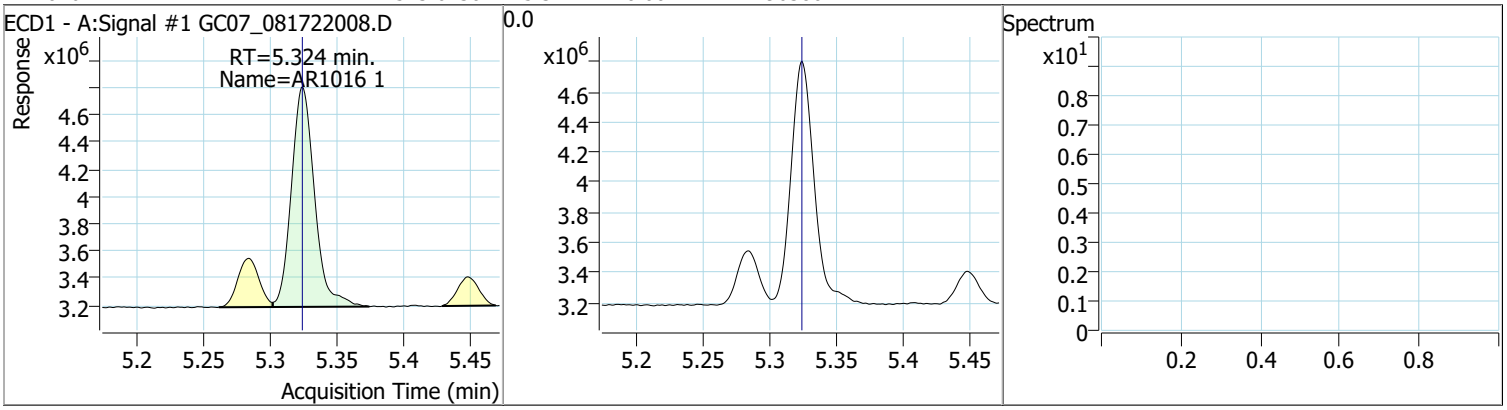
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	21.8455	4.98	0.00	4214029				



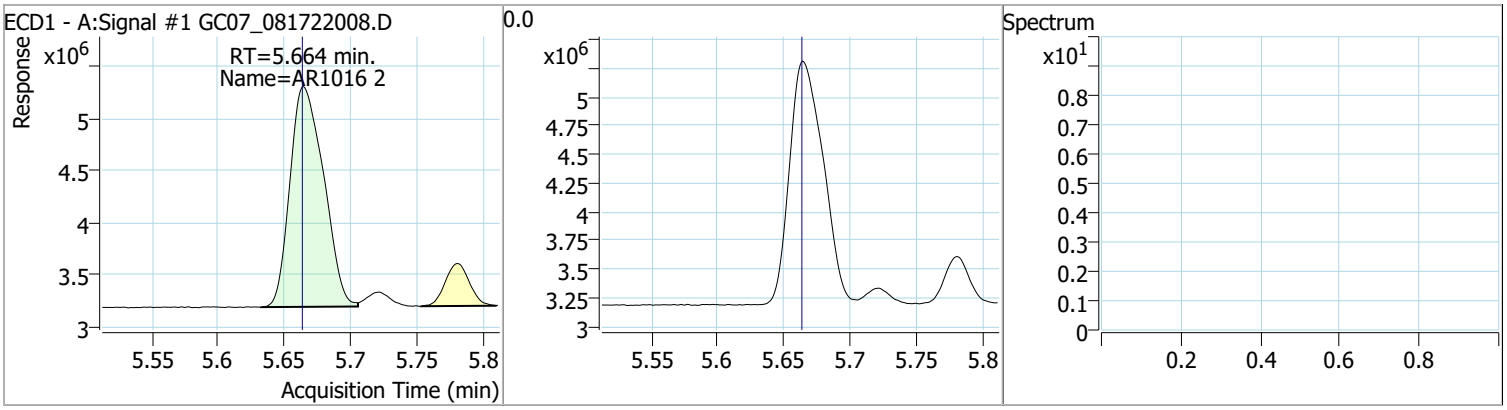
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	22.8597	5.29	0.00	1646713				



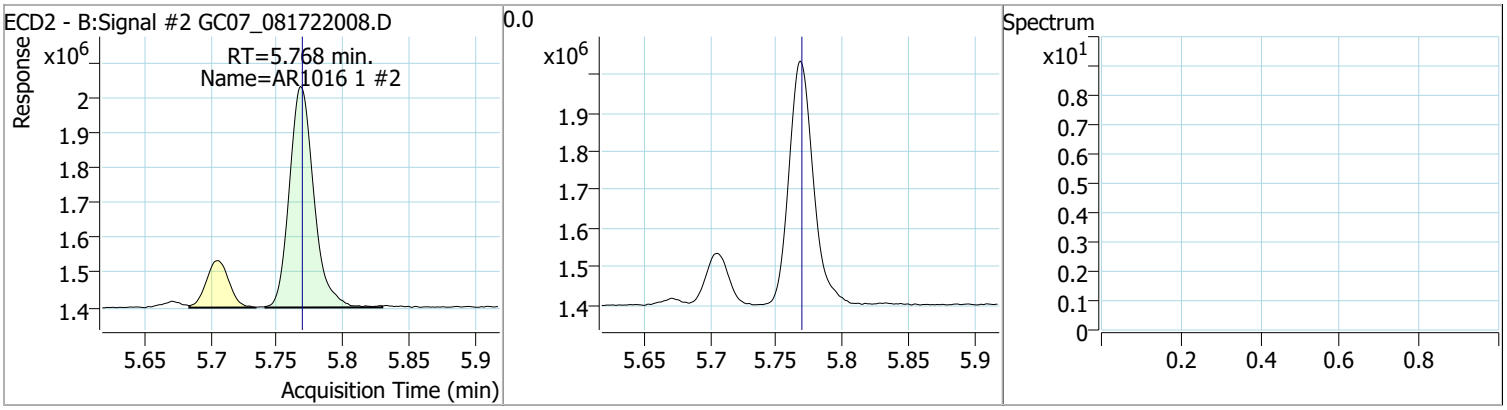
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	513.6730	5.32	0.00	1963807				



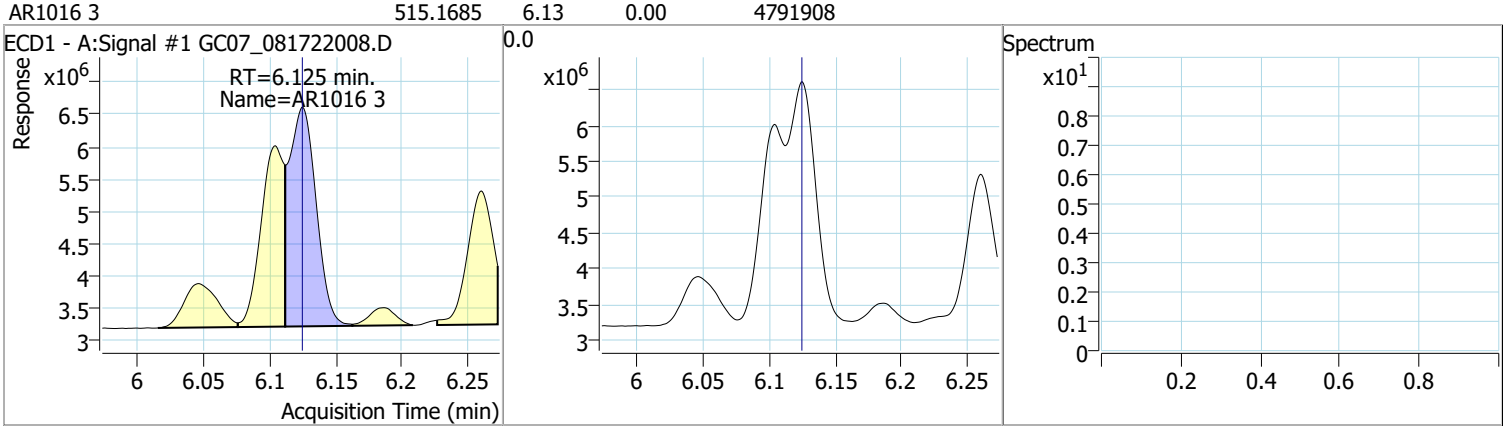
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	482.9913	5.66	0.00	3747121				



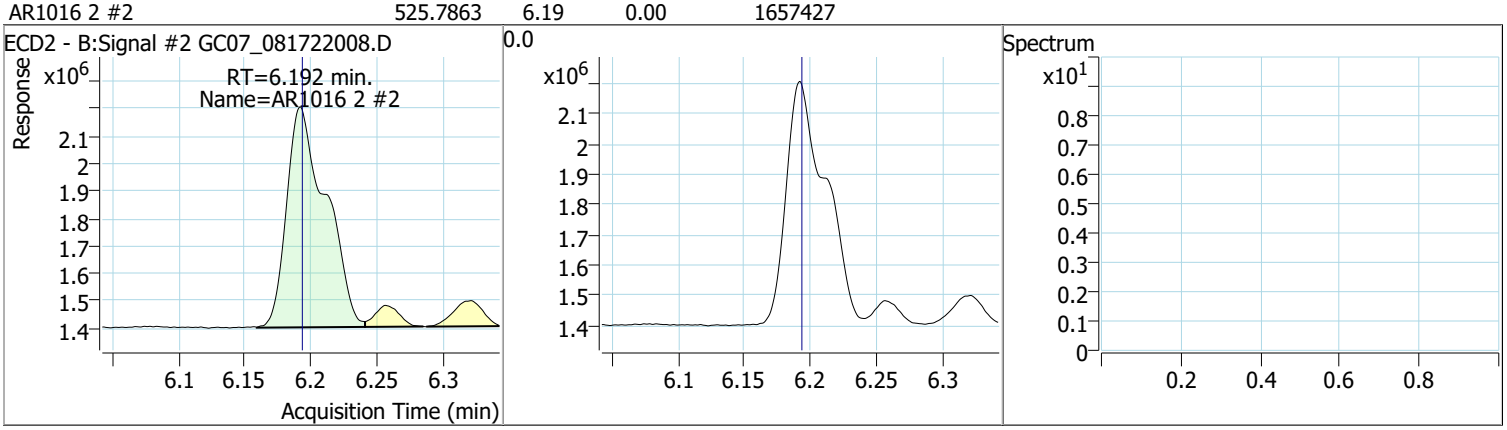
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	537.3656	5.77	0.00	818075				



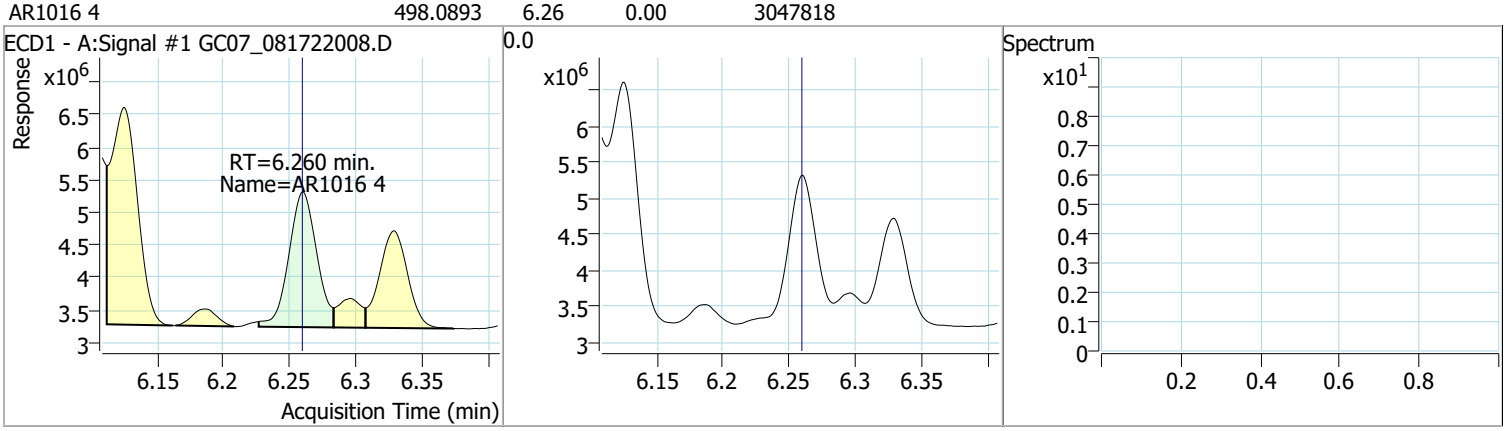
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	515.1685	6.13	0.00	4791908				



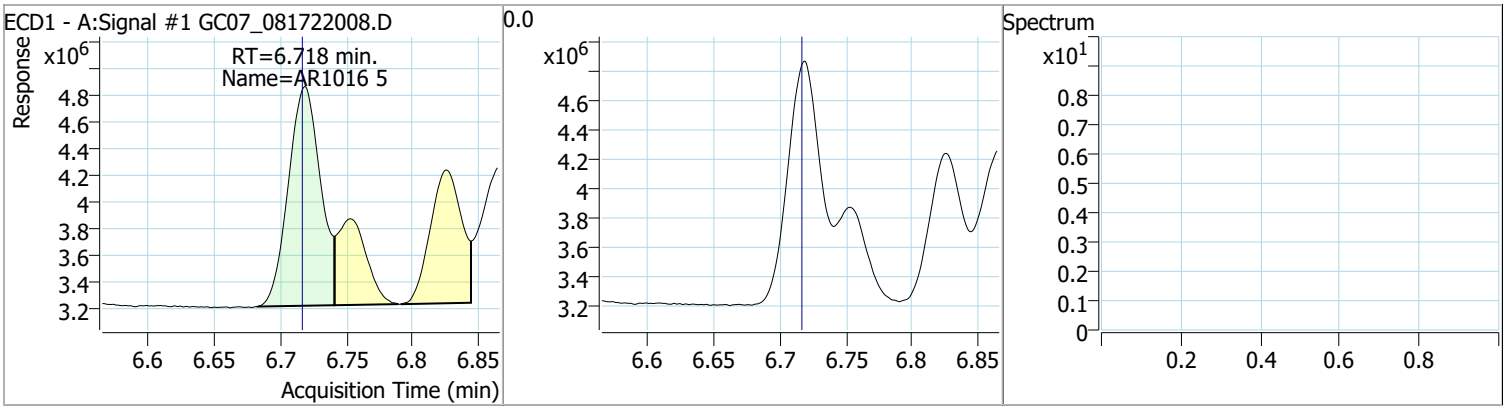
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	525.7863	6.19	0.00	1657427				



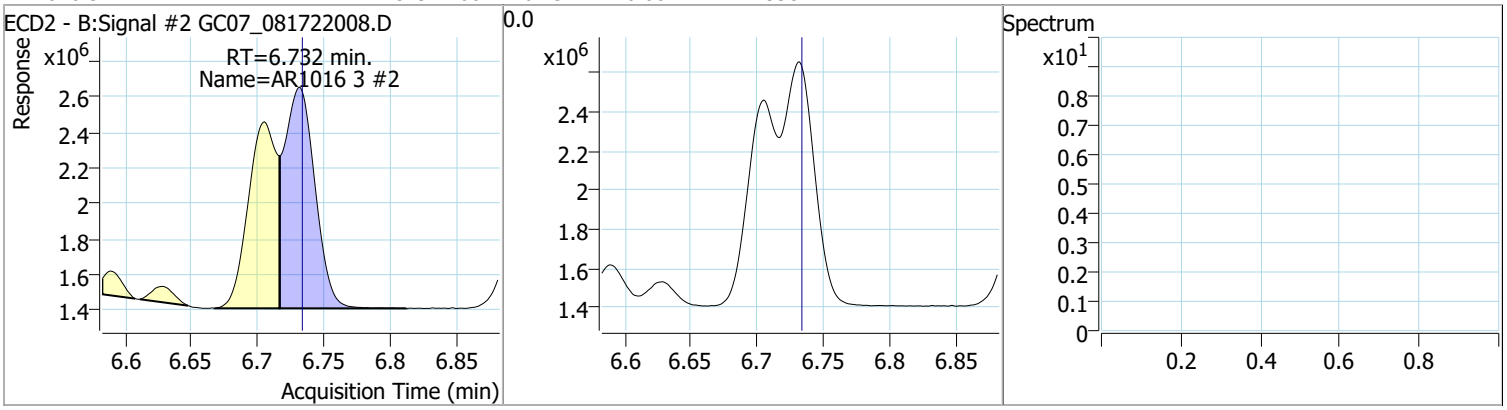
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	498.0893	6.26	0.00	3047818				



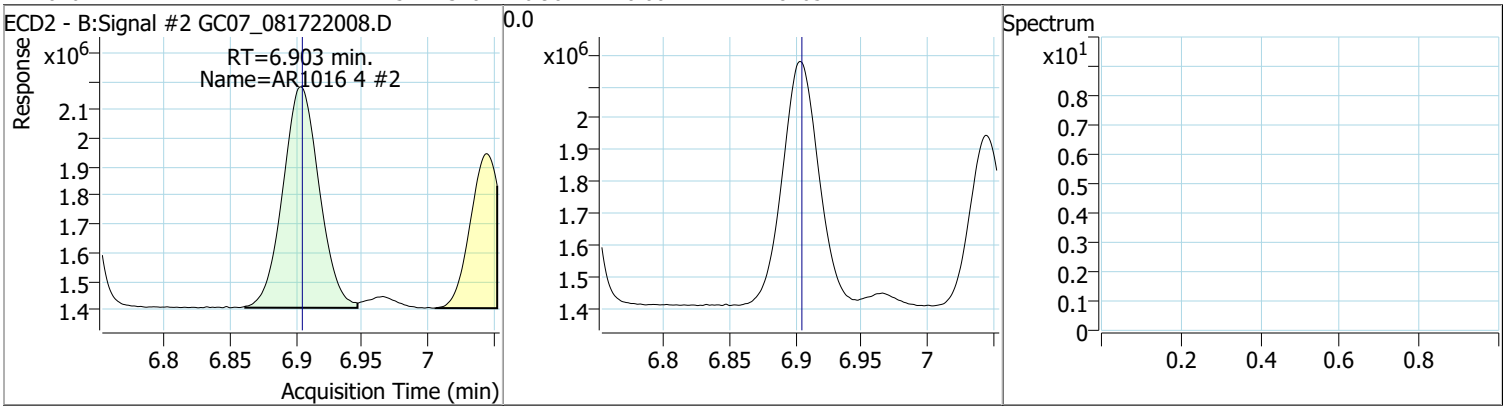
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	516.7981	6.72	0.00	2782228				



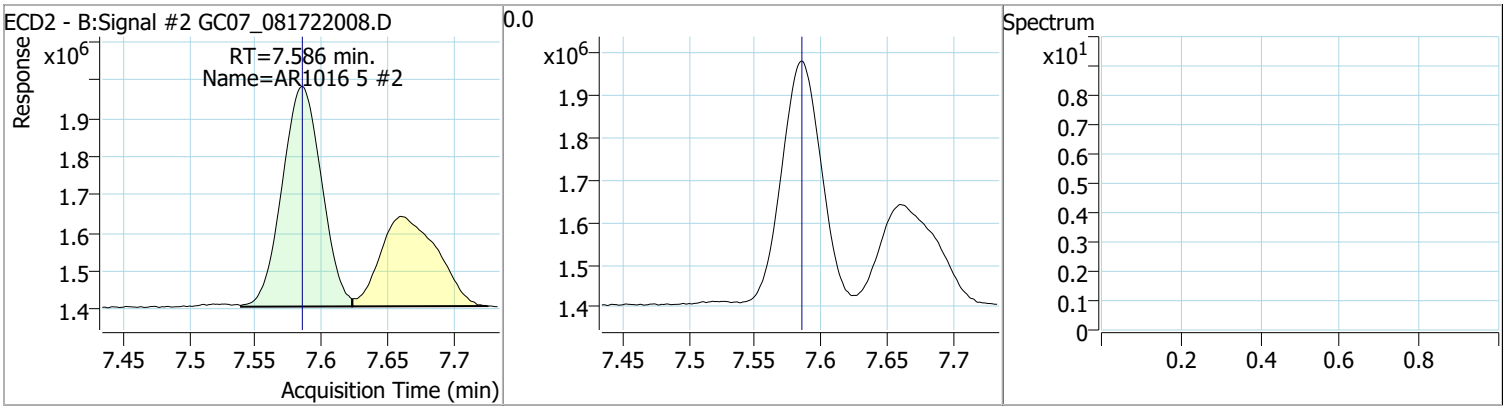
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	519.2200	6.73	0.00	1995121				



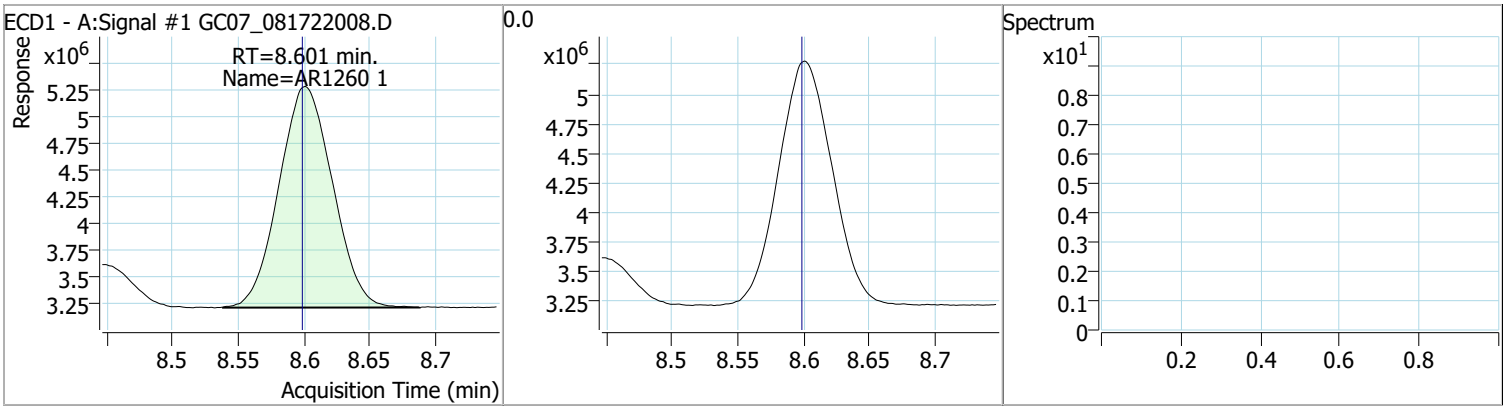
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	544.7310	6.90	0.00	1482651				



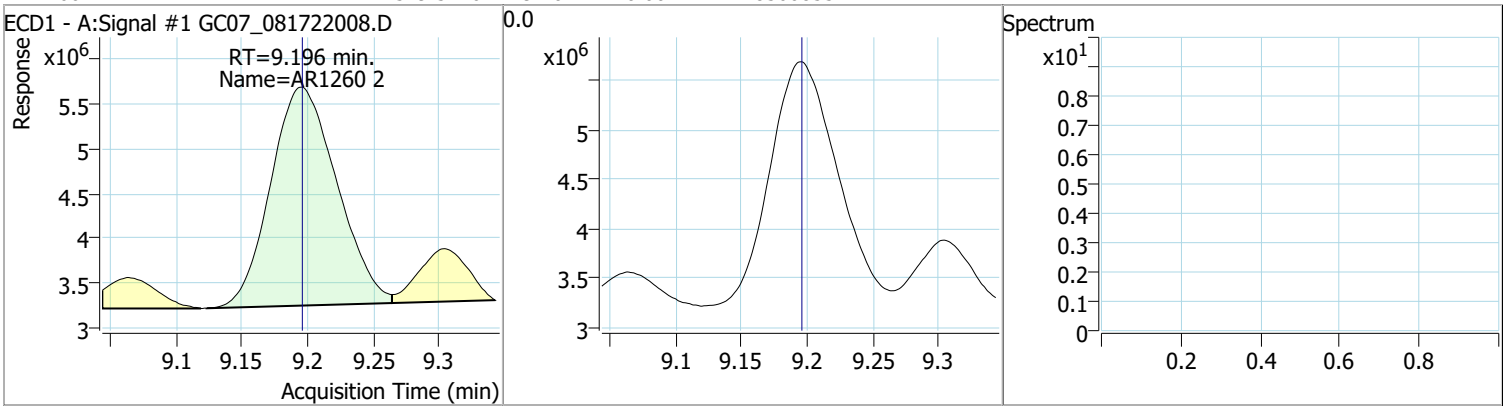
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	554.4872	7.59	0.00	1198627				



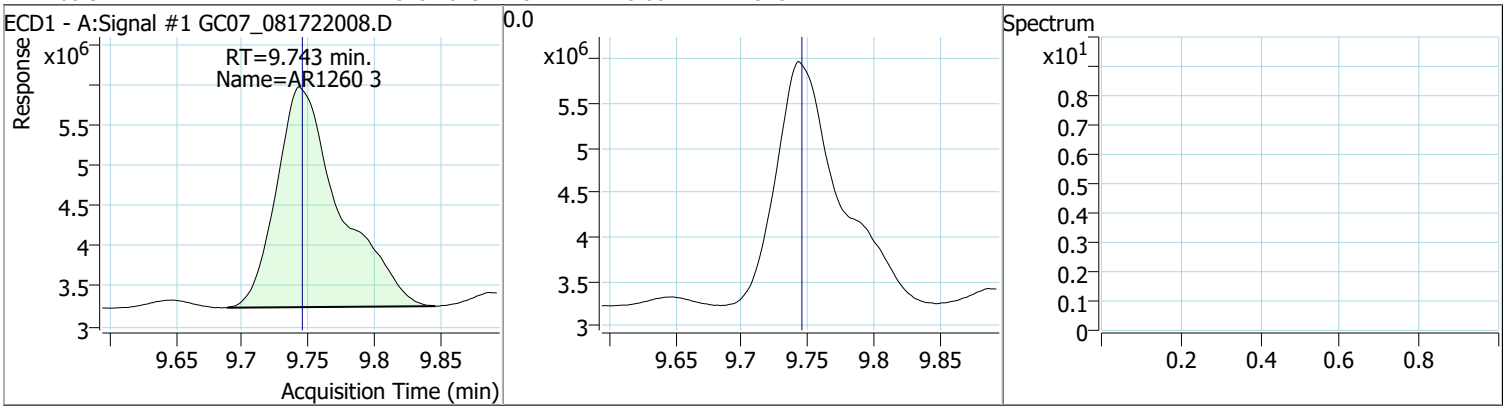
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	536.8853	8.60	0.01	5845940				



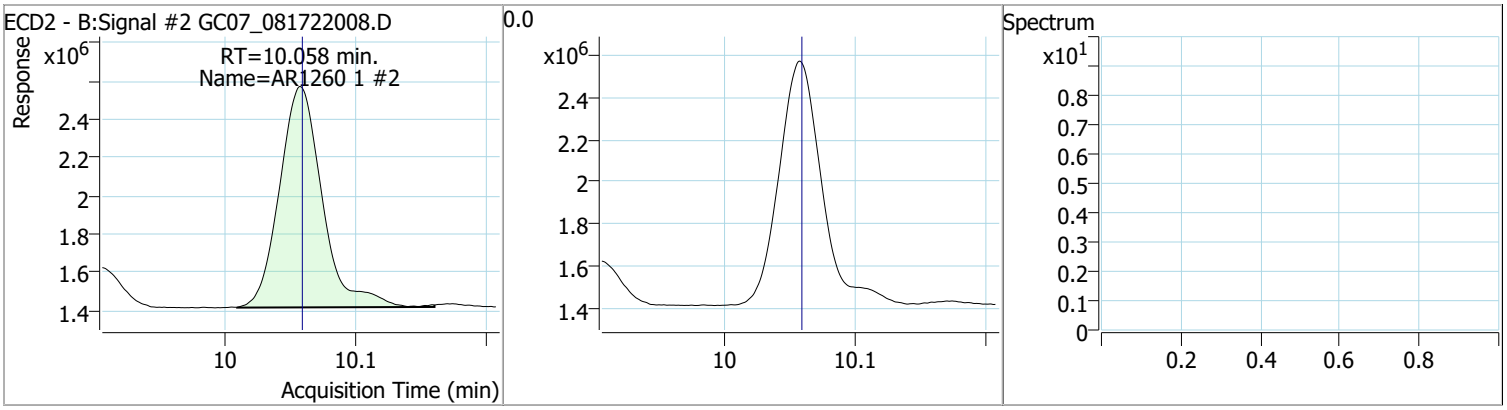
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	529.5446	9.20	0.00	8560855				



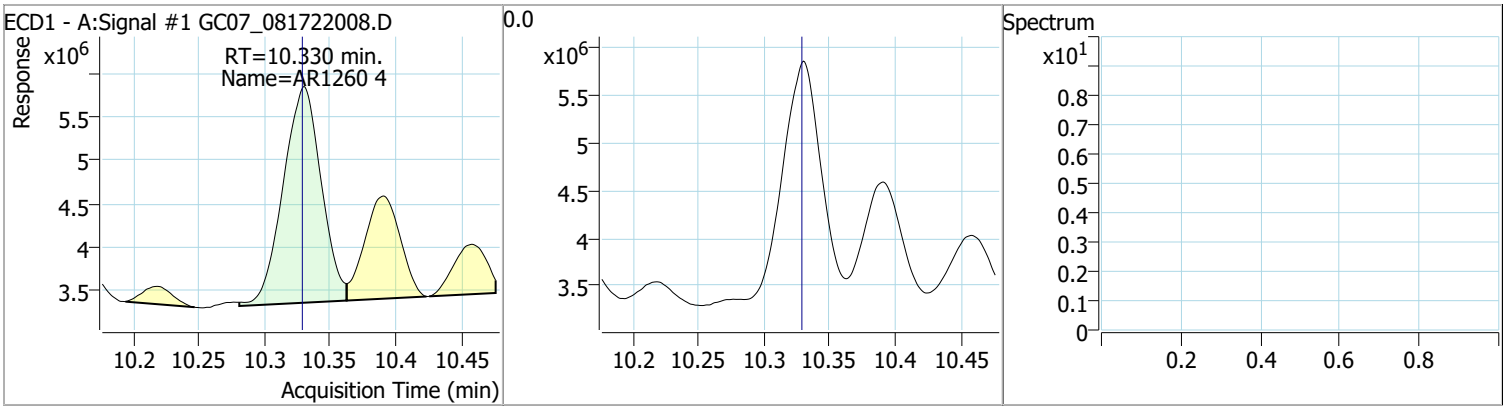
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	525.7013	9.74	0.00	9154222				



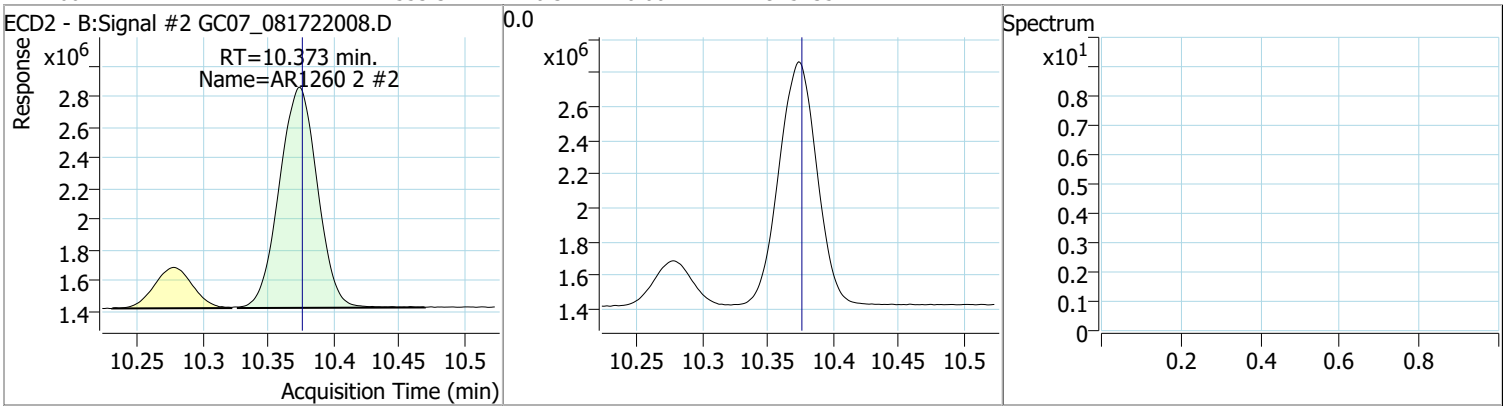
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	595.6043	10.06	0.00	2609373				



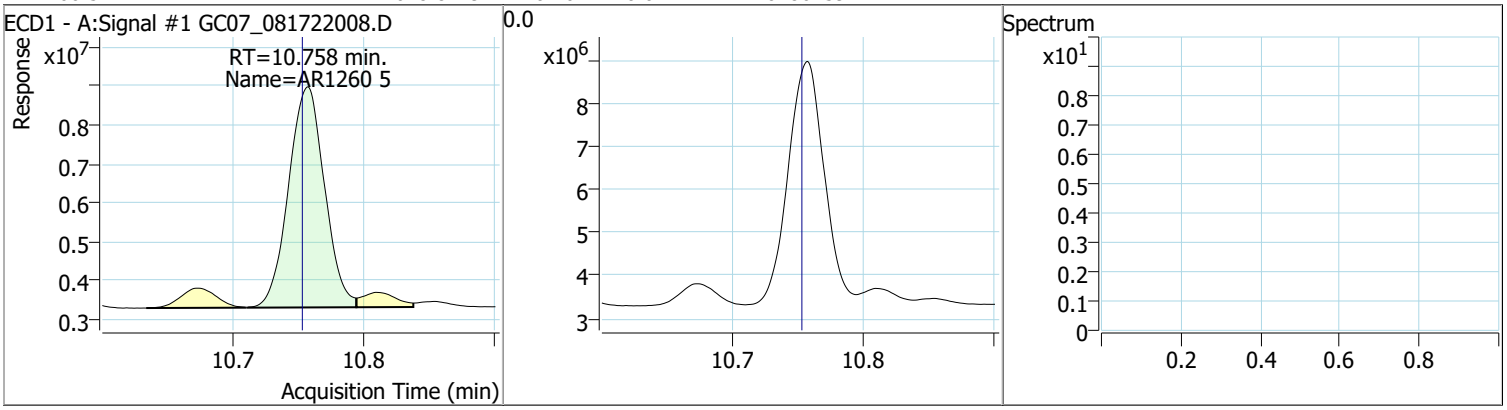
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	615.7624	10.33	0.00	5036348				



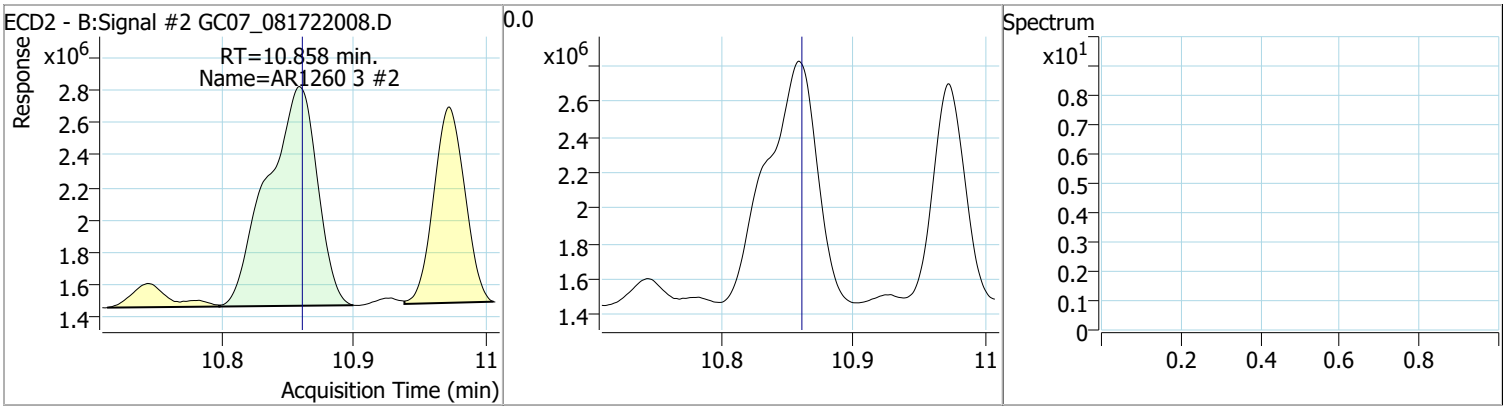
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	553.3221	10.37	0.00	2915235				



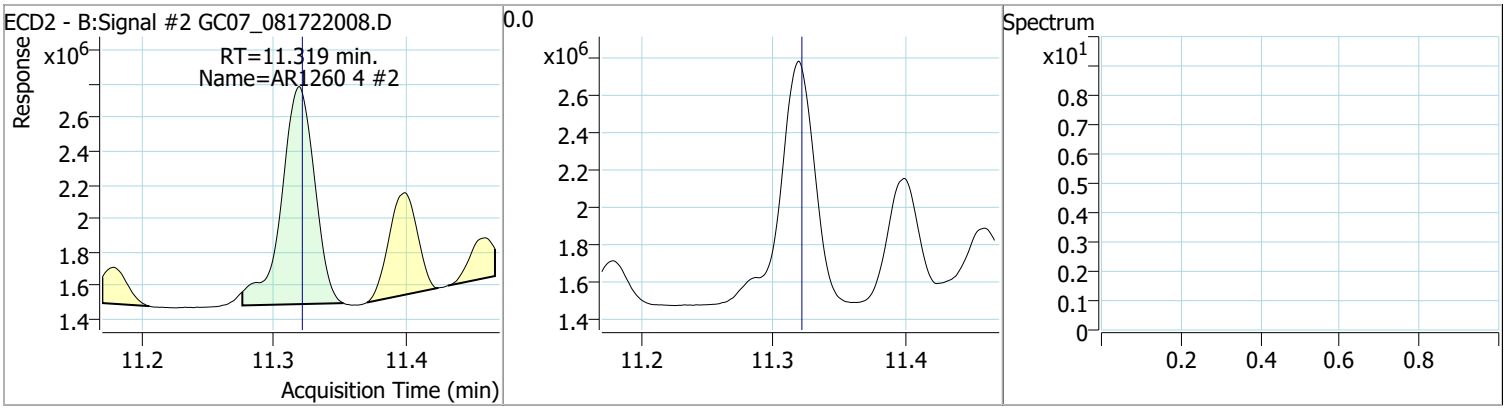
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	618.8779	10.76	0.01	10786459				



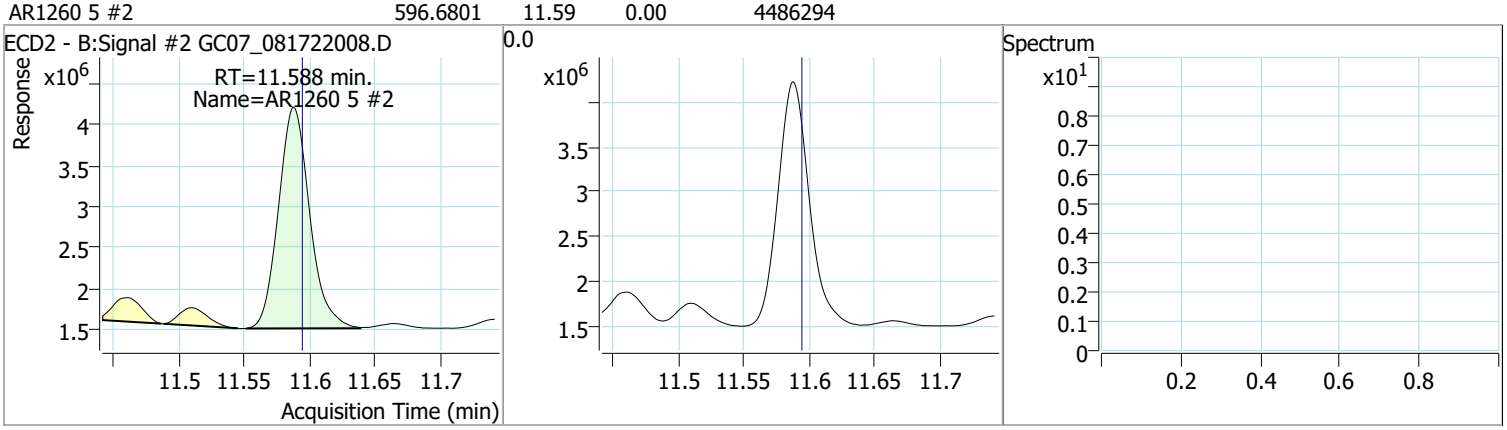
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	518.6423	10.86	0.00	3610654				



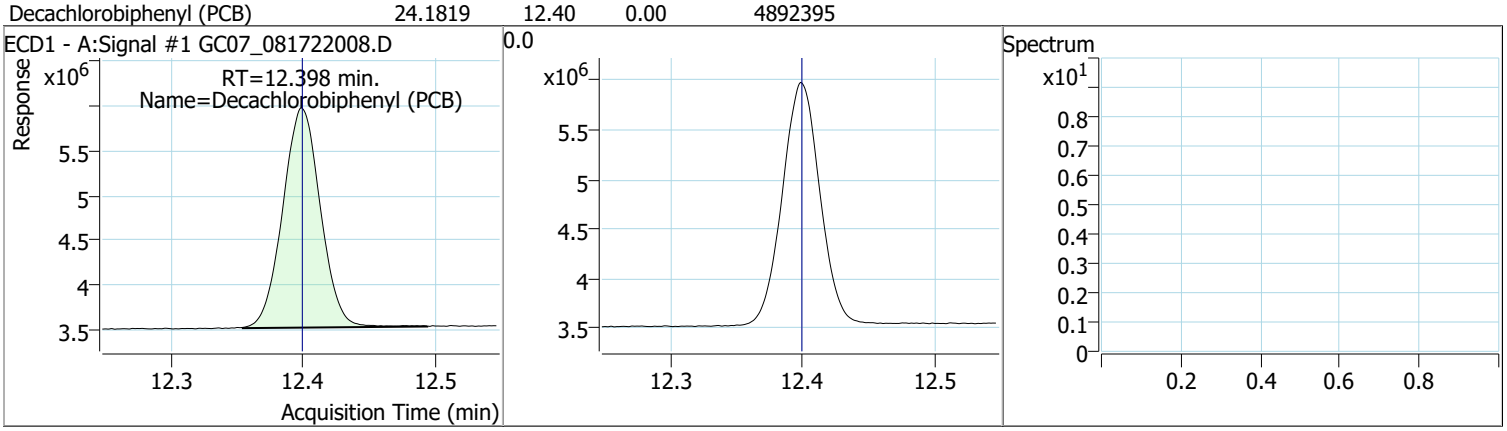
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	598.7465	11.32	0.00	2280083				



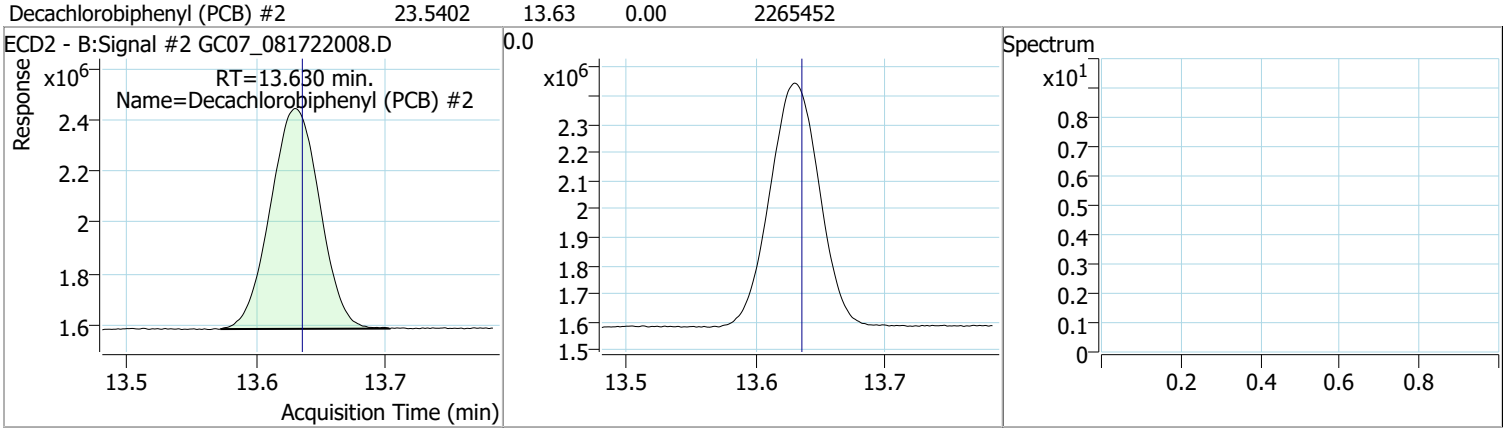
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	596.6801	11.59	0.00	4486294				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	24.1819	12.40	0.00	4892395				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	23.5402	13.63	0.00	2265452				



Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 467322
Report Level: IV
Report Date: 01/05/2023

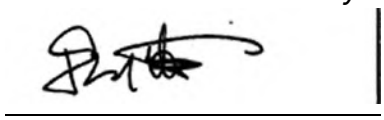
Metals

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	467322
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	08/12/22

Sample ID	Lab ID	Collected	Matrix
DOOR-N-0.5GE-PS-21-220811-L-G	467322-003	08/11/22 11:15	Wipe

Case Narrative

METALS (EPA 6010B)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 467322 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 08/12/22

This data package contains sample and QC results for one wipe sample, requested for the above referenced project on 08/12/22. See attached cooler receipt form for any sample receipt problems or discrepancies.

Metals (EPA 6010B):

No analytical problems were encountered.

Chain of Custody

467322

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	DOOR-N-0.5GE-PS-21-220811-P-G1	8/11/2022	1115	WP	1		X			**Confirmation Wipe Samples - Level IV Report/Stage 3 Validation**
2	DOOR-N-0.5GE-PS-21-220811-P-DUP-G1	8/11/2022	1115	WP	1		X			Report PCB concentrations on a µg/100cm² basis
3	DOOR-N-0.5GE-PS-21-220811-L-G1	8/11/2022	1115	WP	1			X		Report lead concentrations on a µg/ft² basis
4										Report Aroclor 1268 concentrations in addition to the standard Aroclors
5										
6										Wipe samples collected from Zone 1 Enclosure A (low occupancy)
7										
8										6x Rivet Type 2 = 0.060ft²
9										
10										
11										
12										
13										
14										
15										

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michaela Kim Yanita	Rincon/ Env Scientist	8/11/22 @ 1745
1 Received By:				8/12/22 @ 09:24
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

5/34 @ 1.5

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon consultants, Inc. Project: Hangar 1 - NCTRA WP / 158 Cody Road, Mountain View CA

Date Received: 8/12/2022 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.4 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: Fedex

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.5 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?	✓		
If custody seals are present, were they intact?	✓		
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Yanira Date: 8/12/2022

FedEx Ship Manager - Print Your Label(s)

ORIGIN ID:NUQA (619) 977-6886
KERRY CAMPBELL

1935 W EL CAMINO REAL

MOUNTAIN VIEW, CA 94040
UNITED STATES US

SHIP DATE: 11AUG22
ACTWGT: 30.00 LB
CAD: 254485286/INET4490
DIMS: 23x13x14 IN

BILL SENDER

TO **SAMPLE RECEIVING**
ENTHALPY ANALYTICAL
931 W BARKLEY AVE

ORANGE CA 92868
(510) 204-2233 REF: MOFFETT
INV:
PO: 20-10491 DEPT:

581J2/F39D/FE4A

FedEx Express

FRI - 12 AUG 10:30A
PRIORITY OVERNIGHT

TRK# 0201 **7776 3642 8744**

92 APVA

92868
CA-US **SNA**

CUSTODY SEAL

ENVIRONMENTAL SAMPLING SUPPLY
www.essvial.com 800-233-8425

s label:
utton on this page to print your label to your laser or inkjet printer.
page along the horizontal line.
hipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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n constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Date: 8/11/22

Signature:

8/11/22, 9:32 AM

Results & QC Summary

ENTHALPY ANALYTICAL

Lead

Lab #: 467322 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.5GE-PS-21-220811-L-G **Batch#:** 295010 **Prep:** EPA 3050B

Type: SAMPLE **Sampled:** 08/11/22 **Analysis:** EPA 6010B

Lab ID: 467322-003 **Received:** 08/12/22 **Analyst:** SBW

Matrix: Wipe **Prepared:** 08/13/22

Dil n Fac: 1.000 **Analyzed:** 08/15/22

467322-003 Analyte	Result	RL	Units
Lead	**680**	0.94	ug/ft2

Type: BLANK **Batch#:** 295010 **Analysis:** EPA 6010B

Lab ID: QC1006516 **Prepared:** 08/13/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 08/15/22

Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1006516 Analyte	Result	RL	Units
Lead	ND	1.0	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 467322 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 295010 **Analysis:** EPA 6010B

Lab ID: QC1006517 **Prepared:** 08/13/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 08/15/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1006517 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	89.97	90	80-120	ug/ft2

Type: BSD **Batch#:** 295010 **Analysis:** EPA 6010B

Lab ID: QC1006518 **Prepared:** 08/13/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 08/15/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1006518 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	89.06	89	80-120	ug/ft2	1	20

Legend

RPD: Relative Percent Difference

REPORTING SUMMARY FOR 467322 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	PB	
467322-003	MET02	08/15/22 11:56	1.0	+	
QC1006516	MET02	08/15/22 11:44	1.0	+	
QC1006517	MET02	08/15/22 11:48	1.0	+	
QC1006518	MET02	08/15/22 11:52	1.0	+	

Enthalpy Sequence Summary for Sequence 22327502

Instrument : MET02 Begun : 08/15/22 10:22
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met02_hg_062822	ICALBLK				08/15/22 10:22	1.0	1	
002	met02_hg_062822	ICAL	ICAL1			08/15/22 10:26	1.0	2 1	
003	met02_hg_062822	ICAL	ICAL2			08/15/22 10:30	1.0	3 1	
004	met02_hg_062822	ICAL	ICAL3			08/15/22 10:34	1.0	4 1	
005	met02_hg_062822	ICAL	ICAL4			08/15/22 10:38	1.0	5 1	
006	met02_hg_062822	ICAL	ICAL5			08/15/22 10:41	1.0	6 1	
007	met02_hg_062822	ICAL	ICAL6			08/15/22 10:44	1.0	7 1	
008	met02_hg_062822	ICAL	ICAL7			08/15/22 10:46	1.0	8 1	
009	met02_hg_062822	ICAL	ICAL8			08/15/22 10:50	1.0	9 1	
010	met02_hg_062822	ICV				08/15/22 10:53	1.0	10 1	
011	met02_hg_062822	ICB				08/15/22 10:57	1.0	1	
012	met02_hg_062822	ICSA				08/15/22 11:01	1.0	11 1	4:MGASMGCO3=1500
013	met02_hg_062822	ICSAB				08/15/22 11:04	1.0	12 1	4:MGASMGCO3=1500
014	met02_hg_062822	CRI				08/15/22 11:07	1.0	13 1	
015	met02_hg_062822	X BLANK	QC1005480	Water	294643	08/15/22 11:11	1.0	1	
016	met02_hg_062822	BLANK	QC1006513	Air	295009	08/15/22 11:24	1.0	1	
017	met02_hg_062822	BS	QC1006514	Air	295009	08/15/22 11:28	1.0	1	
018	met02_hg_062822	BSD	QC1006515	Air	295009	08/15/22 11:32	1.0	1	
019	met02_hg_062822	SAMPLE	467320-001	Air	295009	08/15/22 11:36	1.0	1	
020	met02_hg_062822	SAMPLE	467320-003	Air	295009	08/15/22 11:40	1.0	1	
021	met02_hg_062822	BLANK	QC1006516	Wipe	295010	08/15/22 11:44	1.0	1	
022	met02_hg_062822	BS	QC1006517	Wipe	295010	08/15/22 11:48	1.0	1	
023	met02_hg_062822	BSD	QC1006518	Wipe	295010	08/15/22 11:52	1.0	1	
024	met02_hg_062822	SAMPLE	467322-003	Wipe	295010	08/15/22 11:56	1.0	1	
025	met02_hg_062822	XCCV				08/15/22 12:00	1.0	10 1	
026	met02_hg_062822	CCV				08/15/22 12:04	1.0	10 1	
027	met02_hg_062822	CCB				08/15/22 12:08	1.0	1	
028	met02_hg_062822	BLANK	QC1006426	Water	294972	08/15/22 12:13	1.0	1	
029	met02_hg_062822	LCS	QC1006427	Water	294972	08/15/22 12:17	1.0	1	
030	met02_hg_062822	MSS	467324-001	Water	294972	08/15/22 12:21	1.0	1	1:NA=2600
031	met02_hg_062822	MS	QC1006428	Water	294972	08/15/22 12:25	1.0	1	1:NA=2500
032	met02_hg_062822	MSD	QC1006429	Water	294972	08/15/22 12:29	1.0	1	1:NA=2700
033	met02_hg_062822	CCV				08/15/22 12:35	1.0	10 1	
034	met02_hg_062822	CCB				08/15/22 12:39	1.0	1	

SBW 08/15/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 034.

Standards used: 1=S13369 2=S16951 3=S16949 4=S16948 5=S16947 6=S16645 7=S17115 8=S17113 9=S17048 10=S16870 11=S16979 12=S16601 13=S16646

Enthalpy Internal Standard Summary for Sequence 22327502

Date : 08/15/22 Reference : met02_hg_062822
Sequence : MET02 08/15/22 Analyzed : 08/15/22 10:22

#	Type	Sample ID	Y A
		ICALBLK STD	344972
		LOWER LIMIT	103492
		UPPER LIMIT	689944
011	ICB		346894
012	ICSA		280719
013	ICSAB		285277
016	BLANK	QC1006513	345228
017	BS	QC1006514	332136
018	BSD	QC1006515	330951
019	SAMPLE	467320-001	346911
020	SAMPLE	467320-003	348130
021	BLANK	QC1006516	367099
022	BS	QC1006517	351507
023	BSD	QC1006518	354307
024	SAMPLE	467322-003	343632
026	CCV		308012
027	CCB		344592
028	BLANK	QC1006426	363046
029	LCS	QC1006427	347078
030	MSS	467324-001	261399
031	MS	QC1006428	268987
032	MSD	QC1006429	263084
033	CCV		316755
034	CCB		355412

ENTHALPY INITIAL CALIBRATION FOR 467322 METALS Wipe: EPA 6010B

Instrument:	MET02		
Calibration #:	22327502001	Date:	15-AUG-2022 10:22
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met02_hg_062822	22327502002	ICAL1	15-AUG-2022 10:26	S16951, S13369 (100X)
L2	met02_hg_062822	22327502003	ICAL2	15-AUG-2022 10:30	S16949, S13369 (100X)
L3	met02_hg_062822	22327502004	ICAL3	15-AUG-2022 10:34	S16948, S13369 (100X)
L4	met02_hg_062822	22327502005	ICAL4	15-AUG-2022 10:38	S16947, S13369 (100X)

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	510.00	537.00	528.50	513.88	LORG	0.00000	0.00195		522.35	1.000		5	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
LORG: Linear regression forced through origin

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D
Lead	A	0.0100	-1	0.1000	4	1.0000	3	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 467322 METALS Wipe
EPA 6010B

Inst : MET02
Calnum : 22327502001 Cal Date : 15-AUG-2022

ICV 22327502010 (15-AUG-2022) stds: S16870, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	0.9039	mg/L	-10	

ENTHALPY INSTRUMENT BLANK FOR 467322 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22327502011 File : met02_hg_062822 Time : 15-AUG-2022 10:57
Cal : 22327502001 Caldate : 15-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.01000	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	344972	346894	0.56

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 467322 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22327502012 File : met02_hg_062822 Time : 15-AUG-2022 11:01
Cal : 22327502001 Caldate : 15-AUG-2022
Standards: S16979, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[0.005900]	0.01000	mg/L	

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Aluminum	A	400.0	419.4	mg/L	105	
Aluminum as Al2O3	A	755.8	792.4	mg/L	105	
Calcium	A	400.0	389.3	mg/L	97	
Calcium as CaCO3	A	998.9	972.2	mg/L	97	
Iron	A	160.0	142.5	mg/L	89	
Iron as Fe2O3	A	228.8	203.7	mg/L	89	
Magnesium	A	400.0	427.1	mg/L	107	
Magnesium as MgCO3	A	1388	1482	mg/L	107	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	344972	280719	-18.63

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 467322 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22327502013 File : met02_hg_062822 Time : 15-AUG-2022 11:04
Cal : 22327502001 Caldate : 15-AUG-2022
Standards: S16601, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	0.9186	mg/L	-8	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	344972	285277	-17.30

ENTHALPY CONTINUING CALIBRATION FOR 467322 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22327502026 File : met02_hg_062822 Time : 15-AUG-2022 12:04
Cal : 22327502001 Caldate : 15-AUG-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	522.35	475.60	1.000	0.9253	mg/L	-7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	344972	308012	-10.71

ENTHALPY INSTRUMENT BLANK FOR 467322 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22327502027 File : met02_hg_062822 Time : 15-AUG-2022 12:08
Cal : 22327502001 Caldate : 15-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	[0.006100]	0.01000	---	mg/L	!CCB

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	344972	344592	-0.11

!=warning CCB=instrument blank

SAMPLE PREPARATION SUMMARY

Batch # : 295010 Analysis : ICP
Started By : DLS Prep Date : 13-AUG-2022 08:10 Finished By : DLS
Method : 3050B Units : ft2
Spike #1 ID : S16855 Spike #2 ID : S16906

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
467322-003		Wipe	1.06	100	1	94.34						6010	
QC1006516	BLANK	Wipe	1	100	1	100.0						ICP	
QC1006517	BS	Wipe	1	100	1	100.0		1	1			ICP	
QC1006518	BSD	Wipe	1	100	1	100.0		1	1			ICP	

Analyst: SBW Date: 08/15/22 Reviewer: SLL Date: 08/15/22

ICP Prep Log

Initials: DS Prep Method: 3050B / 3010A / 200.7 / STLC QC Batch #: 295010 Thermometer ID: 918675

Prep Start, Date/Time: 8/13/22 8:10 Prep End, Date/Time: 8/13/22 11:05 HotBlock Temperature, °C: 94.5

HotBlock ID: 3

Sample ID	Bottle #	Sample pH (Water Only)	Sample Appearance	Initial Vol. or Weight (mL or g)	Bal. ID	Final Vol (mL)	Digestion Tube Lot#	Comment
Blank	-----	-----	-----	NA	NA	100	222331	
LCS	-----	-----	-----	↓	↓	↓	↓	
467322-3	A	NA	Wipe	1 wipe	↓	↓	↓	
LCSD	—	~	—	NA	↓	↓	↓	

Hydrochloric Acid ID: 10mV – 22050192

Nitric Acid ID: 10mV – 20220509 38

H_2O_2 ID: 3mL – 131502

LCS Spike ID: 1mL – 516885 / 516906

MS/MSD Spike ID: NA

ICP Raw Data

Enthalpy Sequence Summary for Sequence 22327502

Instrument : MET02 Begun : 08/15/22 10:22
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met02_hg_062822	ICALBLK				08/15/22 10:22	1.0	1	
002	met02_hg_062822	ICAL	ICAL1			08/15/22 10:26	1.0	2 1	
003	met02_hg_062822	ICAL	ICAL2			08/15/22 10:30	1.0	3 1	
004	met02_hg_062822	ICAL	ICAL3			08/15/22 10:34	1.0	4 1	
005	met02_hg_062822	ICAL	ICAL4			08/15/22 10:38	1.0	5 1	
006	met02_hg_062822	ICAL	ICAL5			08/15/22 10:41	1.0	6 1	
007	met02_hg_062822	ICAL	ICAL6			08/15/22 10:44	1.0	7 1	
008	met02_hg_062822	ICAL	ICAL7			08/15/22 10:46	1.0	8 1	
009	met02_hg_062822	ICAL	ICAL8			08/15/22 10:50	1.0	9 1	
010	met02_hg_062822	ICV				08/15/22 10:53	1.0	10 1	
011	met02_hg_062822	ICB				08/15/22 10:57	1.0	1	
012	met02_hg_062822	ICSA				08/15/22 11:01	1.0	11 1	4:MGASMGCO3=1500
013	met02_hg_062822	ICSAB				08/15/22 11:04	1.0	12 1	4:MGASMGCO3=1500
014	met02_hg_062822	CRI				08/15/22 11:07	1.0	13 1	
015	met02_hg_062822	X BLANK	QC1005480	Water	294643	08/15/22 11:11	1.0	1	
016	met02_hg_062822	BLANK	QC1006513	Air	295009	08/15/22 11:24	1.0	1	
017	met02_hg_062822	BS	QC1006514	Air	295009	08/15/22 11:28	1.0	1	
018	met02_hg_062822	BSD	QC1006515	Air	295009	08/15/22 11:32	1.0	1	
019	met02_hg_062822	SAMPLE	467320-001	Air	295009	08/15/22 11:36	1.0	1	
020	met02_hg_062822	SAMPLE	467320-003	Air	295009	08/15/22 11:40	1.0	1	
021	met02_hg_062822	BLANK	QC1006516	Wipe	295010	08/15/22 11:44	1.0	1	
022	met02_hg_062822	BS	QC1006517	Wipe	295010	08/15/22 11:48	1.0	1	
023	met02_hg_062822	BSD	QC1006518	Wipe	295010	08/15/22 11:52	1.0	1	
024	met02_hg_062822	SAMPLE	467322-003	Wipe	295010	08/15/22 11:56	1.0	1	
025	met02_hg_062822	XCCV				08/15/22 12:00	1.0	10 1	
026	met02_hg_062822	CCV				08/15/22 12:04	1.0	10 1	
027	met02_hg_062822	CCB				08/15/22 12:08	1.0	1	
028	met02_hg_062822	BLANK	QC1006426	Water	294972	08/15/22 12:13	1.0	1	
029	met02_hg_062822	LCS	QC1006427	Water	294972	08/15/22 12:17	1.0	1	
030	met02_hg_062822	MSS	467324-001	Water	294972	08/15/22 12:21	1.0	1	1:NA=2600
031	met02_hg_062822	MS	QC1006428	Water	294972	08/15/22 12:25	1.0	1	1:NA=2500
032	met02_hg_062822	MSD	QC1006429	Water	294972	08/15/22 12:29	1.0	1	1:NA=2700
033	met02_hg_062822	CCV				08/15/22 12:35	1.0	10 1	
034	met02_hg_062822	CCB				08/15/22 12:39	1.0	1	

SBW 08/15/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 034.

Standards used: 1=S13369 2=S16951 3=S16949 4=S16948 5=S16947 6=S16645 7=S17115 8=S17113 9=S17048 10=S16870 11=S16979 12=S16601 13=S16646

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET02	Lab ID	: 467322-003	Client ID	: DOOR-N-0.5GE-PS-21-220811-L-G
Seqnum	: 22327502024	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met02_hg_062822	Batch	: 295010	Time	: 15-AUG-2022 11:56
Cal	: 22327502001	Caldate	: 15-AUG-2022		
IDF	: 1.0	Raw Units	: mg/L	Units	: ug/ft2

1.06 ft2 --> 100.0 ml = 94.34 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	7.155	680	**0.94**		**y** u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	344972	343632	-0.39

u=use y=RL raised

==========

Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 14 **Autosampler Location: 209**
Sample ID: 467322-003,295010 **Date Collected: 8/15/2022 11:56:31 AM**
Analyst: sbw **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: 467322-003,295010

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y Radial	74920.1	104.2	%	1.66				1.59%
Y Axial	343631.5	99.61	%	1.281				1.29%
Ag 328.068†	-811.9	0.0000	mg/L	0.00022	0.0000	mg/L	0.00022	943.69%
Al 308.215†	20246.4	2.758	mg/L	0.0640	2.758	mg/L	0.0640	2.32%
As 188.979†	4.3	0.0130	mg/L	0.00627	0.0130	mg/L	0.00627	48.39%
B 249.677†	104.4	0.0232	mg/L	0.00243	0.0232	mg/L	0.00243	10.47%
Ba 233.527†	377.7	0.0139	mg/L	0.00054	0.0139	mg/L	0.00054	3.89%
Be 313.107†	306.1	0.0014	mg/L	0.00011	0.0014	mg/L	0.00011	8.39%
Ca 315.887†	37693.8	11.96	mg/L	0.458	11.96	mg/L	0.458	3.83%
Cd 214.440†	10.6	0.0013	mg/L	0.00025	0.0013	mg/L	0.00025	18.71%
Co 228.616†	52.9	0.0098	mg/L	0.00043	0.0098	mg/L	0.00043	4.37%
Cr 267.716†	496.7	0.0280	mg/L	0.00110	0.0280	mg/L	0.00110	3.94%
Cu 324.752†	5704.9	0.1144	mg/L	0.00138	0.1144	mg/L	0.00138	1.21%
Fe 238.204†	769507.5	55.90	mg/L	3.695	55.90	mg/L	3.695	6.61%
Li 670.784†	290.3	0.0028	mg/L	0.00078	0.0028	mg/L	0.00078	28.08%
Mg 279.077†	788.2	3.163	mg/L	0.0529	3.163	mg/L	0.0529	1.67%
Mn 257.610†	109082.5	0.4299	mg/L	0.02956	0.4299	mg/L	0.02956	6.88%
Mo 202.031†	29.5	0.0368	mg/L	0.00837	0.0368	mg/L	0.00837	22.74%
Ni 231.604†	66.2	0.0355	mg/L	0.00111	0.0355	mg/L	0.00111	3.11%
Pb 220.353†	3677.9	7.155	mg/L	0.1040	7.155	mg/L	0.1040	1.45%
Sb 206.836†	17.1	0.0373	mg/L	0.00331	0.0373	mg/L	0.00331	8.87%
Se 196.026†	5.1	0.0339	mg/L	0.01051	0.0339	mg/L	0.01051	31.03%
Si 251.611†	22586.7	4.717	mg/L	0.0895	4.717	mg/L	0.0895	1.90%
Sn 189.927†	1.9	0.0067	mg/L	0.00529	0.0067	mg/L	0.00529	79.31%
Sr 421.552†	18143.6	0.0182	mg/L	0.00105	0.0182	mg/L	0.00105	5.77%
Ti 334.940†	43711.2	0.1565	mg/L	0.00870	0.1565	mg/L	0.00870	5.55%
Tl 190.801†	19.9	0.0240	mg/L	0.01088	0.0240	mg/L	0.01088	45.40%
V 290.880†	469.7	0.0125	mg/L	0.00117	0.0125	mg/L	0.00117	9.38%
Zn 206.200†	2137.7	1.002	mg/L	0.0505	1.002	mg/L	0.0505	5.04%
P 213.617†	21.8	0.3330	mg/L	0.00685	0.3330	mg/L	0.00685	2.06%
S 181.975†	62.8	3.288	mg/L	0.1565	3.288	mg/L	0.1565	4.76%
Na 589.592†	27301.9	5.501	mg/L	0.1844	5.501	mg/L	0.1844	3.35%
K 766.490†	7165.1	3.747	mg/L	0.1213	3.747	mg/L	0.1213	3.24%
Hg 253.652†	62.1	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	0.00%

ENTHALPY BLANK USER REPORT FOR 467322 METALS Wipe
EPA 6010B

Inst : MET02 Lab ID : QC1006516
Seqnum : 22327502021.1 Matrix : Wipe
File : met02_hg_062822 Batch : 295010 Time : 15-AUG-2022 11:44
Cal : 22327502001 Caldate : 15-AUG-2022
IDF : 1.0 Raw Units : mg/L Units : ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Flags
Lead	A	0	ND	**1.0**	**y** u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	344972	367099	6.41

u=use y=RL raised

Method Loaded
Method Name: MET02_Hg_062822 Method Last Saved: 6/28/2022 8:51:40 AM
IEC File: 061820_HR_IEC.iec MSF File: 06-18-20.msf
Method Description: High resolution with IEC

Sequence No.: 11 Autosampler Location: 206
Sample ID: BLANK,QC1006516,295010 Date Collected: 8/15/2022 11:44:37 AM
Analyst: sbw Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:
Wash Time: 20 Auto Dilution Factor: 1

Mean Data: BLANK,QC1006516,295010

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y Radial	73622.5	102.4	%	1.35				1.32%
Y Axial	367098.7	106.4	%	2.96				2.79%
Ag 328.068†	-18.3	-0.0003	mg/L	0.00080	-0.0003	mg/L	0.00080	289.50%
Al 308.215†	46.4	0.0063	mg/L	0.00369	0.0063	mg/L	0.00369	58.34%
As 188.979†	-0.5	-0.0015	mg/L	0.00809	-0.0015	mg/L	0.00809	556.57%
B 249.677†	18.7	0.0042	mg/L	0.00099	0.0042	mg/L	0.00099	23.94%
Ba 233.527†	8.0	0.0003	mg/L	0.00003	0.0003	mg/L	0.00003	10.31%
Be 313.107†	57.6	0.0003	mg/L	0.00008	0.0003	mg/L	0.00008	32.87%
Ca 315.887†	524.3	0.1664	mg/L	0.00038	0.1664	mg/L	0.00038	0.23%
Cd 214.440†	1.2	0.0002	mg/L	0.00020	0.0002	mg/L	0.00020	126.70%
Co 228.616†	1.8	0.0003	mg/L	0.00034	0.0003	mg/L	0.00034	98.82%
Cr 267.716†	2.0	0.0001	mg/L	0.00004	0.0001	mg/L	0.00004	31.04%
Cu 324.752†	37.4	0.0007	mg/L	0.00059	0.0007	mg/L	0.00059	78.31%
Fe 238.204†	44.6	0.0032	mg/L	0.00050	0.0032	mg/L	0.00050	15.31%
Li 670.784†	-6.1	-0.0001	mg/L	0.00081	-0.0001	mg/L	0.00081	>999.9%
Mg 279.077†	-2.5	-0.0099	mg/L	0.00986	-0.0099	mg/L	0.00986	99.17%
Mn 257.610†	-18.7	-0.0001	mg/L	0.00007	-0.0001	mg/L	0.00007	92.99%
Mo 202.031†	0.4	0.0005	mg/L	0.00006	0.0005	mg/L	0.00006	13.01%
Ni 231.604†	0.4	0.0002	mg/L	0.00056	0.0002	mg/L	0.00056	243.21%
Pb 220.353†	-0.0	-0.0000	mg/L	0.00179	-0.0000	mg/L	0.00179	>999.9%
Sb 206.836†	-0.9	-0.0021	mg/L	0.00116	-0.0021	mg/L	0.00116	56.24%
Se 196.026†	0.9	0.0058	mg/L	0.00955	0.0058	mg/L	0.00955	164.30%
Si 251.611†	99.6	0.0208	mg/L	0.00142	0.0208	mg/L	0.00142	6.82%
Sn 189.927†	-1.8	-0.0063	mg/L	0.00163	-0.0063	mg/L	0.00163	25.78%
Sr 421.552†	349.5	0.0004	mg/L	0.00002	0.0004	mg/L	0.00002	6.05%
Ti 334.940†	85.4	0.0003	mg/L	0.00014	0.0003	mg/L	0.00014	46.99%
Tl 190.801†	1.3	0.0015	mg/L	0.00084	0.0015	mg/L	0.00084	54.96%
V 290.880†	-6.2	-0.0002	mg/L	0.00017	-0.0002	mg/L	0.00017	100.17%
Zn 206.200†	0.3	0.0001	mg/L	0.00058	0.0001	mg/L	0.00058	490.02%
P 213.617†	0.0	0.0007	mg/L	0.01561	0.0007	mg/L	0.01561	>999.9%
S 181.975†	0.7	0.0371	mg/L	0.01415	0.0371	mg/L	0.01415	38.18%
Na 589.592†	101.8	0.0205	mg/L	0.01456	0.0205	mg/L	0.01456	71.02%
K 766.490†	-5.8	-0.0030	mg/L	0.04198	-0.0030	mg/L	0.04198	>999.9%
Hg 253.652†	-4.3	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	0.00%

ENTHALPY SPIKE USER REPORT FOR 467322 METALS Wipe
EPA 6010B

Type : BS
Inst : MET02
Seqnum : 22327502022.1
File : met02_hg_062822
IDF : 1.0
Lab ID : QC1006517
Matrix : Wipe
Batch : 295010
Time : 15-AUG-2022 11:48
Cal : 22327502001
Units : ug/ft2

Type : BSD
Inst : MET02
Seqnum : 22327502023.1
File : met02_hg_062822
IDF : 1.0
Lab ID : QC1006518
Matrix : Wipe
Batch : 295010
Time : 15-AUG-2022 11:52
Cal : 22327502001

BS: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF
BSD: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Lead	100.0	0.8997	89.97	A	90	0.8906	89.06	A	89	80-120	1	20	**y** u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	344972	351507	1.89

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	344972	354307	2.71

u=use y=RL raised

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 12 **Autosampler Location: 207**
Sample ID: BS,QC1006517,295010 **Date Collected: 8/15/2022 11:48:33 AM**
Analyst: sbw **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: BS,QC1006517,295010

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y Radial	69107.5	96.15	%	2.395				2.49%
Y Axial	351507.0	101.9	%	1.46				1.43%
Ag 328.068†	28756.5	0.4375	mg/L	0.00579	0.4375	mg/L	0.00579	1.32%
Al 308.215†	6762.7	0.9213	mg/L	0.02956	0.9213	mg/L	0.02956	3.21%
As 188.979†	281.9	0.8489	mg/L	0.04185	0.8489	mg/L	0.04185	4.93%
B 249.677†	3769.7	0.8388	mg/L	0.01085	0.8388	mg/L	0.01085	1.29%
Ba 233.527†	25854.3	0.9547	mg/L	0.03096	0.9547	mg/L	0.03096	3.24%
Be 313.107†	201935.0	0.8919	mg/L	0.03910	0.8919	mg/L	0.03910	4.38%
Ca 315.887†	3927.7	1.246	mg/L	0.0356	1.246	mg/L	0.0356	2.86%
Cd 214.440†	7431.0	0.9426	mg/L	0.03010	0.9426	mg/L	0.03010	3.19%
Co 228.616†	5114.0	0.9711	mg/L	0.03364	0.9711	mg/L	0.03364	3.46%
Cr 267.716†	16579.3	0.9356	mg/L	0.03548	0.9356	mg/L	0.03548	3.79%
Cu 324.752†	47834.2	0.9595	mg/L	0.02894	0.9595	mg/L	0.02894	3.02%
Fe 238.204†	13640.6	0.9910	mg/L	0.03342	0.9910	mg/L	0.03342	3.37%
Li 670.784†	109070.7	1.045	mg/L	0.0064	1.045	mg/L	0.0064	0.61%
Mg 279.077†	253.5	1.017	mg/L	0.0405	1.017	mg/L	0.0405	3.98%
Mn 257.610†	237488.1	0.9359	mg/L	0.03837	0.9359	mg/L	0.03837	4.10%
Mo 202.031†	724.4	0.9033	mg/L	0.04050	0.9033	mg/L	0.04050	4.48%
Ni 231.604†	1698.4	0.9108	mg/L	0.04206	0.9108	mg/L	0.04206	4.62%
Pb 220.353†	462.5	0.8997	mg/L	0.03718	0.8997	mg/L	0.03718	4.13%
Sb 206.836†	390.4	0.8524	mg/L	0.03557	0.8524	mg/L	0.03557	4.17%
Se 196.026†	116.9	0.7827	mg/L	0.03431	0.7827	mg/L	0.03431	4.38%
Si 251.611†	21054.8	4.387	mg/L	0.1168	4.387	mg/L	0.1168	2.66%
Sn 189.927†	-1.6	-0.0055	mg/L	0.00638	-0.0055	mg/L	0.00638	116.88%
Sr 421.552†	1095313.6	1.101	mg/L	0.0441	1.101	mg/L	0.0441	4.01%
Ti 334.940†	254496.2	0.9115	mg/L	0.04049	0.9115	mg/L	0.04049	4.44%
Tl 190.801†	779.4	0.8923	mg/L	0.03782	0.8923	mg/L	0.03782	4.24%
V 290.880†	35582.8	0.9436	mg/L	0.03052	0.9436	mg/L	0.03052	3.23%
Zn 206.200†	2012.3	0.9433	mg/L	0.04252	0.9433	mg/L	0.04252	4.51%
P 213.617†	3.2	0.0491	mg/L	0.01564	0.0491	mg/L	0.01564	31.84%
S 181.975†	2.8	0.1477	mg/L	0.05309	0.1477	mg/L	0.05309	35.94%
Na 589.592†	4778.0	0.9627	mg/L	0.01568	0.9627	mg/L	0.01568	1.63%
K 766.490†	15208.4	7.953	mg/L	0.0369	7.953	mg/L	0.0369	0.46%
Hg 253.652†	34.7	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	0.00%

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 13 **Autosampler Location: 208**
Sample ID: BSD,QC1006518,295010 **Date Collected: 8/15/2022 11:52:32 AM**
Analyst: sbw **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: BSD,QC1006518,295010

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y Radial	70561.9	98.17	%	3.504				3.57%
Y Axial	354306.9	102.7	%	1.02				1.00%
Ag 328.068†	28401.2	0.4321	mg/L	0.01902	0.4321	mg/L	0.01902	4.40%
Al 308.215†	6595.7	0.8986	mg/L	0.05850	0.8986	mg/L	0.05850	6.51%
As 188.979†	278.2	0.8378	mg/L	0.04934	0.8378	mg/L	0.04934	5.89%
B 249.677†	3744.7	0.8332	mg/L	0.04767	0.8332	mg/L	0.04767	5.72%
Ba 233.527†	25334.6	0.9355	mg/L	0.06064	0.9355	mg/L	0.06064	6.48%
Be 313.107†	202981.1	0.8965	mg/L	0.04656	0.8965	mg/L	0.04656	5.19%
Ca 315.887†	3788.8	1.202	mg/L	0.0474	1.202	mg/L	0.0474	3.94%
Cd 214.440†	7347.4	0.9320	mg/L	0.06137	0.9320	mg/L	0.06137	6.59%
Co 228.616†	5038.3	0.9567	mg/L	0.06099	0.9567	mg/L	0.06099	6.38%
Cr 267.716†	16227.6	0.9157	mg/L	0.06094	0.9157	mg/L	0.06094	6.65%
Cu 324.752†	46247.7	0.9276	mg/L	0.04748	0.9276	mg/L	0.04748	5.12%
Fe 238.204†	13527.3	0.9827	mg/L	0.06698	0.9827	mg/L	0.06698	6.82%
Li 670.784†	108410.5	1.039	mg/L	0.0006	1.039	mg/L	0.0006	0.05%
Mg 279.077†	251.8	1.010	mg/L	0.0274	1.010	mg/L	0.0274	2.71%
Mn 257.610†	237059.6	0.9342	mg/L	0.04810	0.9342	mg/L	0.04810	5.15%
Mo 202.031†	731.6	0.9122	mg/L	0.05984	0.9122	mg/L	0.05984	6.56%
Ni 231.604†	1672.8	0.8971	mg/L	0.05876	0.8971	mg/L	0.05876	6.55%
Pb 220.353†	457.8	0.8906	mg/L	0.05513	0.8906	mg/L	0.05513	6.19%
Sb 206.836†	388.5	0.8483	mg/L	0.05578	0.8483	mg/L	0.05578	6.58%
Se 196.026†	117.2	0.7841	mg/L	0.05158	0.7841	mg/L	0.05158	6.58%
Si 251.611†	20607.5	4.293	mg/L	0.2454	4.293	mg/L	0.2454	5.72%
Sn 189.927†	-1.1	-0.0037	mg/L	0.00306	-0.0037	mg/L	0.00306	82.80%
Sr 421.552†	1069883.2	1.075	mg/L	0.0596	1.075	mg/L	0.0596	5.54%
Ti 334.940†	255230.2	0.9141	mg/L	0.04756	0.9141	mg/L	0.04756	5.20%
Tl 190.801†	777.8	0.8905	mg/L	0.06237	0.8905	mg/L	0.06237	7.00%
V 290.880†	34853.7	0.9243	mg/L	0.05941	0.9243	mg/L	0.05941	6.43%
Zn 206.200†	1987.4	0.9317	mg/L	0.06431	0.9317	mg/L	0.06431	6.90%
P 213.617†	2.2	0.0342	mg/L	0.00889	0.0342	mg/L	0.00889	26.00%
S 181.975†	2.6	0.1386	mg/L	0.11159	0.1386	mg/L	0.11159	80.49%
Na 589.592†	4568.1	0.9204	mg/L	0.01444	0.9204	mg/L	0.01444	1.57%
K 766.490†	15274.1	7.987	mg/L	0.0369	7.987	mg/L	0.0369	0.46%
Hg 253.652†	26.5	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	0.00%

ENTHALPY INITIAL CALIBRATION FOR 467322 METALS Wipe: EPA 6010B

Instrument:	MET02		
Calibration #:	22327502001	Date:	15-AUG-2022 10:22
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met02_hg_062822	22327502002	ICAL1	15-AUG-2022 10:26	S16951, S13369 (100X)
L2	met02_hg_062822	22327502003	ICAL2	15-AUG-2022 10:30	S16949, S13369 (100X)
L3	met02_hg_062822	22327502004	ICAL3	15-AUG-2022 10:34	S16948, S13369 (100X)
L4	met02_hg_062822	22327502005	ICAL4	15-AUG-2022 10:38	S16947, S13369 (100X)

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	510.00	537.00	528.50	513.88	LORG	0.00000	0.00195		522.35	1.000		5	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
LORG: Linear regression forced through origin

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D
Lead	A	0.0100	-1	0.1000	4	1.0000	3	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 467322 METALS Wipe
EPA 6010B

Inst : MET02
Calnum : 22327502001 Cal Date : 15-AUG-2022

ICV 22327502010 (15-AUG-2022) stds: S16870, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	0.9039	mg/L	-10	

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Analysis Begun

Start Time: 8/15/2022 10:22:04 AM
Logged In Analyst: AAICP-ICP2
Spectrometer: Optima 8300 , S/N No Serial #
Plasma On Time: 8/15/2022 9:30:38 AM
Technique: ICP Continuous
Autosampler: ESI

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\08-15-22.sif
Batch ID: 08-11-22
Results Data Set: 08-15-22
Results Library: C:\Users\Public\PerkinElmer\ICP\Data\Results\Results.mdb

==========

Sequence No.: 1
Sample ID: ICALBLK
Analyst:
Initial Sample Wt:
Dilution:
Wash Time:
Autosampler Location: 1
Date Collected: 8/15/2022 10:22:12 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICALBLK

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	71875.3	912.14	1.27%	100.0	%
Y Axial	344972.0	8964.95	2.60%	100.0	%
Ag 328.068†	164.9	50.26	30.48%	[0.00]	mg/L
Al 308.215†	257.9	21.48	8.33%	[0.00]	mg/L
As 188.979†	-0.4	1.48	389.90%	[0.00]	mg/L
B 249.677†	56.3	3.39	6.03%	[0.00]	mg/L
Ba 233.527†	-11.9	0.80	6.69%	[0.00]	mg/L
Be 313.107†	7.8	21.61	276.66%	[0.00]	mg/L
Ca 315.887†	53.7	9.76	18.17%	[0.00]	mg/L
Cd 214.440†	3.1	0.66	21.48%	[0.00]	mg/L
Co 228.616†	-15.4	0.76	4.96%	[0.00]	mg/L
Cr 267.716†	10.0	0.66	6.57%	[0.00]	mg/L
Cu 324.752†	126.3	21.26	16.83%	[0.00]	mg/L
Fe 238.204†	118.3	11.53	9.75%	[0.00]	mg/L
Li 670.784†	493.0	50.60	10.26%	[0.00]	mg/L
Mg 279.077†	3.0	2.69	89.00%	[0.00]	mg/L
Mn 257.610†	101.6	4.83	4.75%	[0.00]	mg/L
Mo 202.031†	0.0	0.25	>999.9%	[0.00]	mg/L
Ni 231.604†	-5.5	0.80	14.53%	[0.00]	mg/L
Pb 220.353†	-0.8	0.70	90.85%	[0.00]	mg/L
Sb 206.836†	5.4	0.18	3.33%	[0.00]	mg/L
Se 196.026†	0.2	1.28	725.98%	[0.00]	mg/L
Si 251.611†	41.6	2.76	6.62%	[0.00]	mg/L
Sn 189.927†	5.2	1.41	26.97%	[0.00]	mg/L
Sr 421.552†	183.0	61.45	33.58%	[0.00]	mg/L
Ti 334.940†	272.1	37.20	13.67%	[0.00]	mg/L
Tl 190.801†	-5.4	5.25	96.33%	[0.00]	mg/L
V 290.880†	128.8	11.02	8.56%	[0.00]	mg/L
Zn 206.200†	-2.9	2.39	81.31%	[0.00]	mg/L
P 213.617†	-2.4	0.46	18.94%	[0.00]	mg/L
S 181.975†	0.1	1.42	>999.9%	[0.00]	mg/L
Na 589.592†	1306.3	30.44	2.33%	[0.00]	mg/L
K 766.490†	667.9	90.14	13.50%	[0.00]	mg/L
Hg 253.652†	386.8	5.77	1.49%	[0.00]	mg/L

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 2 **Autosampler Location: 2**
Sample ID: ICAL, ICAL1, S16951 **Date Collected: 8/15/2022 10:26:14 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICAL, ICAL1, S16951

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	71064.2	1232.63	1.73%	98.87	%
Y Axial	342304.9	8234.49	2.41%	99.23	%
Al 308.215†	138.8	44.06	31.74%	[0.02]	mg/L
As 188.979†	2.5	0.25	9.96%	[0.01]	mg/L
B 249.677†	42.9	7.68	17.89%	[0.01]	mg/L
Ba 233.527†	288.1	7.28	2.53%	[0.01]	mg/L
Be 313.107†	1212.2	62.07	5.12%	[0.005]	mg/L
Ca 315.887†	333.8	5.65	1.69%	[0.1]	mg/L
Cd 214.440†	44.1	1.46	3.32%	[0.005]	mg/L
Co 228.616†	28.8	0.96	3.31%	[0.005]	mg/L
Cr 267.716†	183.7	6.34	3.45%	[0.01]	mg/L
Cu 324.752†	547.1	20.74	3.79%	[0.01]	mg/L
Fe 238.204†	343.1	23.87	6.96%	[0.02]	mg/L
Li 670.784†	1076.2	46.52	4.32%	[0.01]	mg/L
Mg 279.077†	22.4	2.61	11.66%	[0.1]	mg/L
Mn 257.610†	2927.1	36.41	1.24%	[0.01]	mg/L
Mo 202.031†	7.6	1.26	16.48%	[0.01]	mg/L
Ni 231.604†	18.0	1.89	10.51%	[0.01]	mg/L
Pb 220.353†	5.1	0.52	10.16%	[0.01]	mg/L
Sb 206.836†	14.3	2.50	17.55%	[0.03]	mg/L
Se 196.026†	5.0	0.99	19.62%	[0.03]	mg/L
Si 251.611†	519.8	5.61	1.08%	[0.1]	mg/L
Sn 189.927†	2.6	0.41	15.83%	[0.01]	mg/L
Sr 421.552†	53153.5	1313.90	2.47%	[0.05]	mg/L
Ti 334.940†	2864.0	191.44	6.68%	[0.01]	mg/L
Tl 190.801†	29.9	3.62	12.13%	[0.03]	mg/L
V 290.880†	228.6	34.20	14.96%	[0.005]	mg/L
Zn 206.200†	75.4	3.68	4.89%	[0.03]	mg/L
P 213.617†	78.2	2.04	2.62%	[1]	mg/L
S 181.975†	21.5	0.89	4.16%	[1]	mg/L
Na 589.592†	2128.9	25.64	1.20%	[0.5]	mg/L
K 766.490†	755.1	55.39	7.34%	[0.5]	mg/L
Hg 253.652†	6.6	5.98	90.21%	[0]	mg/L

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 3 **Autosampler Location: 3**
Sample ID: ICAL, ICAL2, S16949 **Date Collected: 8/15/2022 10:30:09 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICAL, ICAL2, S16949

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	72664.2	1062.99	1.46%	101.1	%
Y Axial	339612.3	2881.08	0.85%	98.45	%
Al 308.215†	1515.8	44.26	2.92%	[0.2]	mg/L
As 188.979†	31.1	2.69	8.64%	[0.1]	mg/L
B 249.677†	421.5	12.17	2.89%	[0.1]	mg/L
Ba 233.527†	2781.8	145.65	5.24%	[0.1]	mg/L
Be 313.107†	11662.2	459.62	3.94%	[0.05]	mg/L
Cd 214.440†	421.6	9.89	2.35%	[0.05]	mg/L
Co 228.616†	272.4	5.27	1.94%	[0.05]	mg/L
Cr 267.716†	1864.5	30.24	1.62%	[0.1]	mg/L
Cu 324.752†	4835.6	201.35	4.16%	[0.1]	mg/L
Fe 238.204†	2888.3	150.56	5.21%	[0.2]	mg/L
Li 670.784†	9591.6	106.71	1.11%	[0.1]	mg/L
Mn 257.610†	26080.0	1097.72	4.21%	[0.1]	mg/L
Mo 202.031†	71.2	1.39	1.95%	[0.1]	mg/L
Ni 231.604†	189.8	5.67	2.99%	[0.1]	mg/L
Pb 220.353†	53.7	1.36	2.53%	[0.1]	mg/L
Sb 206.836†	133.9	2.48	1.85%	[0.3]	mg/L
Se 196.026†	46.5	1.16	2.49%	[0.3]	mg/L
Sn 189.927†	24.3	0.34	1.39%	[0.1]	mg/L
Sr 421.552†	537116.6	8548.09	1.59%	[0.5]	mg/L
Ti 334.940†	27609.5	1148.57	4.16%	[0.1]	mg/L
Tl 190.801†	255.3	8.15	3.19%	[0.3]	mg/L
V 290.880†	1904.6	102.94	5.40%	[0.05]	mg/L
Zn 206.200†	688.2	15.30	2.22%	[0.3]	mg/L
Hg 253.652†	-2.7	3.34	123.94%	[0]	mg/L

Standard intensity and concentration values are not in the same order.

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 4 **Autosampler Location: 4**
Sample ID: ICAL, ICAL3, S16948 **Date Collected: 8/15/2022 10:34:05 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICAL, ICAL3, S16948

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	70156.7	1479.57	2.11%	97.61	%
Y Axial	341802.7	3768.62	1.10%	99.08	%
Al 308.215†	14470.7	378.99	2.62%	[2]	mg/L
As 188.979†	322.7	5.84	1.81%	[1]	mg/L
B 249.677†	4333.7	116.66	2.69%	[1]	mg/L
Ba 233.527†	27431.8	748.33	2.73%	[1]	mg/L
Be 313.107†	113176.1	535.70	0.47%	[0.5]	mg/L
Cd 214.440†	4130.5	105.61	2.56%	[0.5]	mg/L
Co 228.616†	2664.8	50.16	1.88%	[0.5]	mg/L
Cr 267.716†	17889.3	507.14	2.83%	[1]	mg/L
Cu 324.752†	48931.2	58.54	0.12%	[1]	mg/L
Fe 238.204†	28311.1	808.58	2.86%	[2]	mg/L
Li 670.784†	101095.7	294.04	0.29%	[1]	mg/L
Mn 257.610†	252452.4	1226.39	0.49%	[1]	mg/L
Mo 202.031†	729.0	17.88	2.45%	[1]	mg/L
Ni 231.604†	1908.2	36.55	1.92%	[1]	mg/L
Pb 220.353†	528.5	8.57	1.62%	[1]	mg/L
Sb 206.836†	1250.6	25.80	2.06%	[3]	mg/L
Se 196.026†	448.1	8.98	2.00%	[3]	mg/L
Sn 189.927†	282.9	4.89	1.73%	[1]	mg/L
Sr 421.552†	4972095.2	77585.83	1.56%	[5]	mg/L
Ti 334.940†	272383.1	1285.87	0.47%	[1]	mg/L
Tl 190.801†	2712.0	41.22	1.52%	[3]	mg/L
V 290.880†	18666.9	543.33	2.91%	[0.5]	mg/L
Zn 206.200†	6702.3	150.08	2.24%	[3]	mg/L
Hg 253.652†	20.1	8.00	39.71%	[0]	mg/L

Standard intensity and concentration values are not in the same order.

==========

Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 5 **Autosampler Location: 5**
Sample ID: ICAL, ICAL4, S16947 **Date Collected: 8/15/2022 10:38:07 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICAL, ICAL4, S16947

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	69362.4	735.52	1.06%	96.50	%
Y Axial	329475.3	780.09	0.24%	95.51	%
Al 308.215†	146827.9	276.64	0.19%	[20]	mg/L
As 188.979†	3320.5	18.19	0.55%	[10]	mg/L
B 249.677†	44957.3	190.09	0.42%	[10]	mg/L
Ba 233.527†	270779.1	668.26	0.25%	[10]	mg/L
Cd 214.440†	39399.6	334.56	0.85%	[5]	mg/L
Co 228.616†	26283.0	109.15	0.42%	[5]	mg/L
Cr 267.716†	177187.8	464.94	0.26%	[10]	mg/L
Cu 324.752†	498649.5	2376.18	0.48%	[10]	mg/L
Fe 238.204†	275221.1	1408.61	0.51%	[20]	mg/L
Li 670.784†	1044149.1	2968.55	0.28%	[10]	mg/L
Mn 257.610†	2537700.5	9261.79	0.36%	[10]	mg/L
Mo 202.031†	8027.3	61.00	0.76%	[10]	mg/L
Ni 231.604†	18642.5	321.79	1.73%	[10]	mg/L
Pb 220.353†	5138.8	18.44	0.36%	[10]	mg/L
Sb 206.836†	13666.4	245.06	1.79%	[30]	mg/L
Sn 189.927†	2854.2	15.67	0.55%	[10]	mg/L
Ti 334.940†	2792855.5	41293.23	1.48%	[10]	mg/L
Tl 190.801†	26436.3	313.20	1.18%	[30]	mg/L
V 290.880†	188566.4	507.95	0.27%	[5]	mg/L
Zn 206.200†	63939.3	334.33	0.52%	[30]	mg/L
Hg 253.652†	97.4	5.72	5.87%	[0]	mg/L

Standard intensity and concentration values are not in the same order.

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 6 **Autosampler Location: 9**
Sample ID: ICAL, ICAL5, S16645 **Date Collected: 8/15/2022 10:41:11 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICAL, ICAL5, S16645

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	72436.8	3102.71	4.28%	100.8	%
Y Axial	338540.9	6257.60	1.85%	98.14	%
Ag 328.068†	131518.3	847.91	0.64%	[2]	mg/L
Hg 253.652†	-1.2	14.73	>999.9%	[0]	mg/L

Standard intensity and concentration values are not in the same order.

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 7 **Autosampler Location: 10**
Sample ID: ICAL, ICAL6, S16518 **Date Collected: 8/15/2022 10:44:05 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICAL, ICAL6, S16518

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	69544.0	2573.98	3.70%	96.76	%
Y Axial	327874.2	7863.29	2.40%	95.04	%
Ca 315.887†	31529.1	214.43	0.68%	[10]	mg/L
Mg 279.077†	2556.5	90.95	3.56%	[10]	mg/L
Si 251.611†	47882.0	252.58	0.53%	[10]	mg/L
Na 589.592†	232585.7	1104.69	0.47%	[50]	mg/L
K 766.490†	86259.6	756.96	0.88%	[50]	mg/L
Hg 253.652†	48.0	16.59	34.54%	[0]	mg/L

Standard intensity and concentration values are not in the same order.

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 8 **Autosampler Location: 101**
Sample ID: ICAL, ICAL7, S16959 **Date Collected: 8/15/2022 10:46:57 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICAL, ICAL7, S16959

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	72991.1	593.29	0.81%	101.6	%
Y Axial	346410.1	4632.12	1.34%	100.4	%
P 213.617†	654.8	21.97	3.36%	[10]	mg/L
S 181.975†	190.9	6.84	3.59%	[10]	mg/L
Hg 253.652†	-4.2	3.27	78.45%	[0]	mg/L

Standard intensity and concentration values are not in the same order.

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 9 **Autosampler Location: 102**
Sample ID: ICAL, ICAL8, S16519 **Date Collected: 8/15/2022 10:50:51 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICAL, ICAL8, S16519

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	65049.0	2086.15	3.21%	90.50	%
Y Axial	291487.8	7689.36	2.64%	84.50	%
Ca 315.887†	630302.1	10299.15	1.63%	[200]	mg/L
Mg 279.077†	49838.0	649.57	1.30%	[200]	mg/L
Na 589.592†	996572.7	23340.41	2.34%	[200]	mg/L
K 766.490†	384805.3	8055.61	2.09%	[200]	mg/L
Hg 253.652†	408.6	27.85	6.82%	[0]	mg/L

Standard intensity and concentration values are not in the same order.

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	1	Lin Thru 0	0.0	65760	0.00000	1.000000	
Al 308.215	4	Lin Thru 0	0.0	7340	0.00000	0.999999	
As 188.979	4	Lin Thru 0	0.0	332.0	0.00000	0.999996	
B 249.677	4	Lin Thru 0	0.0	4494	0.00000	0.999993	
Ba 233.527	4	Lin Thru 0	0.0	27080	0.00000	0.999999	
Be 313.107	3	Lin Thru 0	0.0	226400	0.00000	0.999995	
Ca 315.887	3	Lin Thru 0	0.0	3152	0.00000	1.000000	
Cd 214.440	4	Lin Thru 0	0.0	7884	0.00000	0.999988	
Co 228.616	4	Lin Thru 0	0.0	5257	0.00000	0.999999	
Cr 267.716	4	Lin Thru 0	0.0	17720	0.00000	0.999999	
Cu 324.752	4	Lin Thru 0	0.0	49860	0.00000	0.999998	
Fe 238.204	4	Lin Thru 0	0.0	13770	0.00000	0.999996	
Li 670.784	4	Lin Thru 0	0.0	104400	0.00000	0.999995	
Mg 279.077	3	Lin Thru 0	0.0	249.2	0.00000	0.999999	
Mn 257.610	4	Lin Thru 0	0.0	253800	0.00000	1.000000	
Mo 202.031	4	Lin Thru 0	0.0	802.0	0.00000	0.999958	
Ni 231.604	4	Lin Thru 0	0.0	1865	0.00000	0.999997	
Pb 220.353	4	Lin Thru 0	0.0	514.0	0.00000	0.999996	
Sb 206.836	4	Lin Thru 0	0.0	455.2	0.00000	0.999965	
Se 196.026	3	Lin Thru 0	0.0	149.4	0.00000	0.999992	
Si 251.611	2	Lin Thru 0	0.0	4788	0.00000	1.000000	
Sn 189.927	4	Lin Thru 0	0.0	285.4	0.00000	0.999999	
Sr 421.552	3	Lin Thru 0	0.0	995200	0.00000	0.999968	
Ti 334.940	4	Lin Thru 0	0.0	279200	0.00000	0.999997	
Tl 190.801	4	Lin Thru 0	0.0	881.4	0.00000	0.999997	
V 290.880	4	Lin Thru 0	0.0	37710	0.00000	0.999999	
Zn 206.200	4	Lin Thru 0	0.0	2132	0.00000	0.999988	
P 213.617	2	Lin Thru 0	0.0	65.60	0.00000	0.999817	
S 181.975	2	Lin Thru 0	0.0	19.11	0.00000	0.999922	
Na 589.592	3	Lin Thru 0	0.0	4963	0.00000	0.999877	
K 766.490	3	Lin Thru 0	0.0	1912	0.00000	0.999701	
Hg 253.652	8	Lin Thru 0	0.0	0.0000	0.00000	0.000000	

Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

Sequence No.: 10 **Autosampler Location: 7**
Sample ID: ICV, S16870 **Date Collected: 8/15/2022 10:53:49 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICV, S16870

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y Radial	67901.0	94.47	%	1.531				1.62%
Y Axial	316869.5	91.85	%	1.386				1.51%
Ag 328.068†	29808.8	0.4535	mg/L	0.00789	0.4535	mg/L	0.00789	1.74%
QC value within limits for Ag 328.068 Recovery = 90.70%								
Al 308.215†	7335.7	0.9994	mg/L	0.02275	0.9994	mg/L	0.02275	2.28%
QC value within limits for Al 308.215 Recovery = 99.94%								
As 188.979†	321.9	0.9692	mg/L	0.02865	0.9692	mg/L	0.02865	2.96%
QC value within limits for As 188.979 Recovery = 96.92%								
B 249.677†	4453.4	0.9909	mg/L	0.01530	0.9909	mg/L	0.01530	1.54%
QC value within limits for B 249.677 Recovery = 99.09%								
Ba 233.527†	25636.0	0.9466	mg/L	0.01786	0.9466	mg/L	0.01786	1.89%
QC value within limits for Ba 233.527 Recovery = 94.66%								
Be 313.107†	226319.6	0.9995	mg/L	0.01862	0.9995	mg/L	0.01862	1.86%
QC value within limits for Be 313.107 Recovery = 99.95%								
Ca 315.887†	307797.4	97.67	mg/L	0.628	97.67	mg/L	0.628	0.64%
QC value within limits for Ca 315.887 Recovery = 96.70%								
Cd 214.440†	7585.2	0.9621	mg/L	0.00952	0.9621	mg/L	0.00952	0.99%
QC value within limits for Cd 214.440 Recovery = 96.21%								
Co 228.616†	4953.5	0.9405	mg/L	0.02372	0.9405	mg/L	0.02372	2.52%
QC value within limits for Co 228.616 Recovery = 94.05%								
Cr 267.716†	17047.7	0.9620	mg/L	0.01967	0.9620	mg/L	0.01967	2.04%
QC value within limits for Cr 267.716 Recovery = 96.20%								
Cu 324.752†	45549.4	0.9136	mg/L	0.02567	0.9136	mg/L	0.02567	2.81%
QC value within limits for Cu 324.752 Recovery = 91.36%								
Fe 238.204†	13525.2	0.9826	mg/L	0.02281	0.9826	mg/L	0.02281	2.32%
QC value within limits for Fe 238.204 Recovery = 98.26%								
Li 670.784†	106097.5	1.016	mg/L	0.0114	1.016	mg/L	0.0114	1.12%
QC value within limits for Li 670.784 Recovery = 101.64%								
Mg 279.077†	24215.4	97.17	mg/L	0.659	97.17	mg/L	0.659	0.68%
QC value within limits for Mg 279.077 Recovery = 96.21%								
Mn 257.610†	238509.2	0.9399	mg/L	0.01776	0.9399	mg/L	0.01776	1.89%
QC value within limits for Mn 257.610 Recovery = 93.99%								
Mo 202.031†	777.9	0.9699	mg/L	0.02534	0.9699	mg/L	0.02534	2.61%
QC value within limits for Mo 202.031 Recovery = 96.99%								
Ni 231.604†	1610.4	0.8636	mg/L	0.02396	0.8636	mg/L	0.02396	2.77%
QC value less than the lower limit for Ni 231.604 Recovery = 86.36%								
Pb 220.353†	464.6	0.9039	mg/L	0.02322	0.9039	mg/L	0.02322	2.57%
QC value within limits for Pb 220.353 Recovery = 90.39%								
Sb 206.836†	429.6	0.9384	mg/L	0.03140	0.9384	mg/L	0.03140	3.35%
QC value within limits for Sb 206.836 Recovery = 93.84%								
Se 196.026†	139.1	0.9308	mg/L	0.01415	0.9308	mg/L	0.01415	1.52%
QC value within limits for Se 196.026 Recovery = 93.08%								
Si 251.611†	26120.7	5.444	mg/L	0.0729	5.444	mg/L	0.0729	1.34%
QC value within limits for Si 251.611 Recovery = 108.88%								
Sn 189.927†	1264.0	4.429	mg/L	0.1019	4.429	mg/L	0.1019	2.30%
QC value less than the lower limit for Sn 189.927 Recovery = 88.58%								
Sr 421.552†	1019995.3	1.025	mg/L	0.0325	1.025	mg/L	0.0325	3.17%
QC value within limits for Sr 421.552 Recovery = 102.49%								
Ti 334.940†	271401.9	0.9720	mg/L	0.01859	0.9720	mg/L	0.01859	1.91%
QC value within limits for Ti 334.940 Recovery = 97.20%								
Tl 190.801†	773.3	0.8859	mg/L	0.02681	0.8859	mg/L	0.02681	3.03%
QC value less than the lower limit for Tl 190.801 Recovery = 88.59%								
V 290.880†	37012.9	0.9815	mg/L	0.01969	0.9815	mg/L	0.01969	2.01%
QC value within limits for V 290.880 Recovery = 98.15%								
Zn 206.200†	2049.9	0.9610	mg/L	0.01815	0.9610	mg/L	0.01815	1.89%
QC value within limits for Zn 206.200 Recovery = 96.10%								
P 213.617†	401.4	6.118	mg/L	0.1788	6.118	mg/L	0.1788	2.92%
S 181.975†	2.6	0.1380	mg/L	0.11257	0.1380	mg/L	0.11257	81.60%

Na 589.592†	480227.5	96.75 mg/L	1.181	96.75 mg/L	1.181	1.22%
QC value within limits for Na 589.592 Recovery = 95.80%						
K 766.490†	198787.8	104.0 mg/L	1.07	104.0 mg/L	1.07	1.03%
QC value within limits for K 766.490 Recovery = 94.50%						
Hg 253.652†	243.9	0.0000 mg/L	0.00000	0.0000 mg/L	0.00000	0.00%

QC Failed. Stop the analysis.

ENTHALPY INSTRUMENT BLANK FOR 467322 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22327502011 File : met02_hg_062822 Time : 15-AUG-2022 10:57
Cal : 22327502001 Caldate : 15-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.01000	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	344972	346894	0.56

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC
Analysis canceled by a QC failure action: 'Stop'.

==========

Analysis Begun

Start Time: 8/15/2022 10:57:40 AM **Plasma On Time: 8/15/2022 9:30:38 AM**
Logged In Analyst: AAICP-ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N No Serial # **Autosampler: ESI**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\08-15-22.sif
Batch ID: 08-11-22
Results Data Set: 08-15-22
Results Library: C:\Users\Public\PerkinElmer\ICP\Data\Results\Results.mdb

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Sequence No.: 11 **Autosampler Location: 8**
Sample ID: ICB **Date Collected: 8/15/2022 10:57:41 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time:

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y Radial	71470.2	99.44	%	2.294				2.31%
Y Axial	346893.7	100.6	%	1.35				1.34%
Ag 328.068†	24.9	0.0004	mg/L	0.00044	0.0004	mg/L	0.00044	114.50%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	64.6	0.0088	mg/L	0.00399	0.0088	mg/L	0.00399	45.28%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	1.2	0.0035	mg/L	0.00240	0.0035	mg/L	0.00240	68.59%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	121.9	0.0271	mg/L	0.00184	0.0271	mg/L	0.00184	6.79%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 233.527†	19.0	0.0007	mg/L	0.00006	0.0007	mg/L	0.00006	9.19%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	237.6	0.0010	mg/L	0.00006	0.0010	mg/L	0.00006	5.90%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	344.6	0.1093	mg/L	0.01296	0.1093	mg/L	0.01296	11.85%
QC value greater than the upper limit for Ca 315.887 Recovery = Not calculated								
Cd 214.440†	4.5	0.0006	mg/L	0.00003	0.0006	mg/L	0.00003	5.00%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	3.3	0.0006	mg/L	0.00003	0.0006	mg/L	0.00003	5.44%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	15.9	0.0009	mg/L	0.00030	0.0009	mg/L	0.00030	34.00%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	63.2	0.0013	mg/L	0.00020	0.0013	mg/L	0.00020	15.64%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 238.204†	78.1	0.0057	mg/L	0.00158	0.0057	mg/L	0.00158	27.77%
QC value within limits for Fe 238.204 Recovery = Not calculated								
Li 670.784†	197.2	0.0019	mg/L	0.00062	0.0019	mg/L	0.00062	33.02%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.077†	23.3	0.0937	mg/L	0.02131	0.0937	mg/L	0.02131	22.74%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	114.0	0.0004	mg/L	0.00003	0.0004	mg/L	0.00003	6.35%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	30.8	0.0384	mg/L	0.00608	0.0384	mg/L	0.00608	15.82%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604†	1.9	0.0010	mg/L	0.00110	0.0010	mg/L	0.00110	111.04%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	1.0	0.0019	mg/L	0.00125	0.0019	mg/L	0.00125	66.55%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	4.5	0.0099	mg/L	0.00793	0.0099	mg/L	0.00793	80.04%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	1.5	0.0100	mg/L	0.00807	0.0100	mg/L	0.00807	80.99%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	15.3	0.0028	mg/L	0.00054	0.0028	mg/L	0.00054	19.58%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	12.2	0.0427	mg/L	0.00545	0.0427	mg/L	0.00545	12.76%

Sr 421.552†	1051.4	0.0011 mg/L	0.00003	0.0011 mg/L	0.00003	2.88%
QC value within limits for Sr 421.552 Recovery = Not calculated						
Ti 334.940†	1748.6	0.0063 mg/L	0.00113	0.0063 mg/L	0.00113	18.05%
QC value within limits for Ti 334.940 Recovery = Not calculated						
Tl 190.801†	23.3	0.0265 mg/L	0.00401	0.0265 mg/L	0.00401	15.13%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 290.880†	52.4	0.0014 mg/L	0.00047	0.0014 mg/L	0.00047	33.91%
QC value within limits for V 290.880 Recovery = Not calculated						
Zn 206.200†	6.0	0.0028 mg/L	0.00063	0.0028 mg/L	0.00063	22.54%
QC value within limits for Zn 206.200 Recovery = Not calculated						
P 213.617†	0.9	0.0131 mg/L	0.01014	0.0131 mg/L	0.01014	77.16%
S 181.975†	1.5	0.0761 mg/L	0.01240	0.0761 mg/L	0.01240	16.29%
Na 589.592†	417.0	0.0840 mg/L	0.01645	0.0840 mg/L	0.01645	19.58%
QC value less than the lower limit for Na 589.592 Recovery = 16.80%						
K 766.490†	541.7	0.2833 mg/L	0.01579	0.2833 mg/L	0.01579	5.57%
QC value less than the lower limit for K 766.490 Recovery = 56.65%						
Hg 253.652†	7.3	0.0000 mg/L	0.00000	0.0000 mg/L	0.00000	0.00%

QC Failed. Continue with analysis.

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 467322 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22327502012 File : met02_hg_062822 Time : 15-AUG-2022 11:01
Cal : 22327502001 Caldate : 15-AUG-2022
Standards: S16979, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[0.005900]	0.01000	mg/L	

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Aluminum	A	400.0	419.4	mg/L	105	
Aluminum as Al2O3	A	755.8	792.4	mg/L	105	
Calcium	A	400.0	389.3	mg/L	97	
Calcium as CaCO3	A	998.9	972.2	mg/L	97	
Iron	A	160.0	142.5	mg/L	89	
Iron as Fe2O3	A	228.8	203.7	mg/L	89	
Magnesium	A	400.0	427.1	mg/L	107	
Magnesium as MgCO3	A	1388	1482	mg/L	107	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	344972	280719	-18.63

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 12 **Autosampler Location: 109**
Sample ID: ICSA, S16979 **Date Collected: 8/15/2022 11:01:38 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICSA, S16979

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y Radial	64563.5	89.83	%	1.888				2.10%
Y Axial	280719.3	81.37	%	0.944				1.16%
Ag 328.068†	-2637.0	-0.0086	mg/L	0.00051	-0.0086	mg/L	0.00051	5.93%
Al 308.215†	3078896.3	419.4	mg/L	1.68	419.4	mg/L	1.68	0.40%
QC value within limits for Al 308.215 Recovery = 104.86%								
As 188.979†	0.6	0.0019	mg/L	0.00679	0.0019	mg/L	0.00679	350.03%
B 249.677†	126.6	0.0282	mg/L	0.00352	0.0282	mg/L	0.00352	12.48%
Ba 233.527†	134.3	0.0050	mg/L	0.00009	0.0050	mg/L	0.00009	1.79%
Be 313.107†	41.2	0.0002	mg/L	0.00004	0.0002	mg/L	0.00004	20.81%
Ca 315.887†	1226916.0	389.3	mg/L	11.16	389.3	mg/L	11.16	2.87%
QC value within limits for Ca 315.887 Recovery = 97.33%								
Cd 214.440†	56.5	0.0072	mg/L	0.00044	0.0072	mg/L	0.00044	6.18%
Co 228.616†	8.4	0.0016	mg/L	0.00026	0.0016	mg/L	0.00026	16.05%
Cr 267.716†	22.5	0.0013	mg/L	0.00066	0.0013	mg/L	0.00066	52.11%
Cu 324.752†	179.6	0.0036	mg/L	0.00030	0.0036	mg/L	0.00030	8.39%
Fe 238.204†	1962195.5	142.5	mg/L	0.39	142.5	mg/L	0.39	0.27%
QC value within limits for Fe 238.204 Recovery = 89.09%								
Li 670.784†	152.5	0.0015	mg/L	0.00035	0.0015	mg/L	0.00035	23.75%
Mg 279.077†	106434.2	427.1	mg/L	4.22	427.1	mg/L	4.22	0.99%
QC value within limits for Mg 279.077 Recovery = 106.77%								
Mn 257.610†	-168.5	-0.0007	mg/L	0.00009	-0.0007	mg/L	0.00009	13.96%
Mo 202.031†	6.3	0.0079	mg/L	0.00226	0.0079	mg/L	0.00226	28.72%
Ni 231.604†	-1.9	-0.0010	mg/L	0.00202	-0.0010	mg/L	0.00202	193.68%
Pb 220.353†	3.0	0.0059	mg/L	0.00211	0.0059	mg/L	0.00211	35.95%
Sb 206.836†	9.6	0.0212	mg/L	0.00924	0.0212	mg/L	0.00924	43.63%
Se 196.026†	-2.3	-0.0154	mg/L	0.01291	-0.0154	mg/L	0.01291	83.85%
Si 251.611†	12.8	0.0026	mg/L	0.00125	0.0026	mg/L	0.00125	48.13%
Sn 189.927†	-1.9	-0.0066	mg/L	0.00545	-0.0066	mg/L	0.00545	82.39%
Sr 421.552†	19980.2	0.0201	mg/L	0.00030	0.0201	mg/L	0.00030	1.52%
Ti 334.940†	-21.5	-0.0001	mg/L	0.00020	-0.0001	mg/L	0.00020	262.83%
Tl 190.801†	-2.5	-0.0028	mg/L	0.00638	-0.0028	mg/L	0.00638	225.60%
V 290.880†	-420.9	-0.0112	mg/L	0.00112	-0.0112	mg/L	0.00112	10.07%
Zn 206.200†	-31.2	-0.0146	mg/L	0.00099	-0.0146	mg/L	0.00099	6.75%
P 213.617†	-6.4	-0.0981	mg/L	0.01168	-0.0981	mg/L	0.01168	11.92%
S 181.975†	-3.3	-0.1752	mg/L	0.21676	-0.1752	mg/L	0.21676	123.74%
Na 589.592†	969.8	0.1954	mg/L	0.01401	0.1954	mg/L	0.01401	7.17%
K 766.490†	580.2	0.3034	mg/L	0.03563	0.3034	mg/L	0.03563	11.74%
Hg 253.652†	828.5	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	0.00%

All analyte(s) passed QC.

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 467322 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22327502013 File : met02_hg_062822 Time : 15-AUG-2022 11:04
Cal : 22327502001 Caldate : 15-AUG-2022
Standards: S16601, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	0.9186	mg/L	-8	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	344972	285277	-17.30

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 13 **Autosampler Location: 110**
Sample ID: ICSAB, S16601 **Date Collected: 8/15/2022 11:04:40 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICSAB, S16601

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y Radial	65078.5	90.54	%	1.215				1.34%
Y Axial	285277.4	82.70	%	0.843				1.02%
Ag 328.068†	61699.0	0.9698	mg/L	0.01417	0.9698	mg/L	0.01417	1.46%
QC value within limits for Ag 328.068 Recovery = 96.98%								
Al 308.215†	3074932.7	418.9	mg/L	3.93	418.9	mg/L	3.93	0.94%
QC value within limits for Al 308.215 Recovery = 104.73%								
As 188.979†	2.1	0.0062	mg/L	0.01459	0.0062	mg/L	0.01459	236.53%
B 249.677†	95.2	0.0212	mg/L	0.00240	0.0212	mg/L	0.00240	11.31%
Ba 233.527†	13252.5	0.4894	mg/L	0.00817	0.4894	mg/L	0.00817	1.67%
QC value within limits for Ba 233.527 Recovery = 97.87%								
Be 313.107†	113578.2	0.5016	mg/L	0.00242	0.5016	mg/L	0.00242	0.48%
QC value within limits for Be 313.107 Recovery = 100.32%								
Ca 315.887†	1250004.4	396.6	mg/L	11.57	396.6	mg/L	11.57	2.92%
QC value within limits for Ca 315.887 Recovery = 99.16%								
Cd 214.440†	7390.9	0.9375	mg/L	0.01735	0.9375	mg/L	0.01735	1.85%
QC value within limits for Cd 214.440 Recovery = 93.75%								
Co 228.616†	2350.1	0.4470	mg/L	0.00329	0.4470	mg/L	0.00329	0.74%
QC value within limits for Co 228.616 Recovery = 89.40%								
Cr 267.716†	8451.2	0.4769	mg/L	0.00528	0.4769	mg/L	0.00528	1.11%
QC value within limits for Cr 267.716 Recovery = 95.38%								
Cu 324.752†	24520.9	0.4918	mg/L	0.00711	0.4918	mg/L	0.00711	1.44%
QC value within limits for Cu 324.752 Recovery = 98.37%								
Fe 238.204†	1959165.0	142.3	mg/L	0.92	142.3	mg/L	0.92	0.64%
QC value within limits for Fe 238.204 Recovery = 88.96%								
Li 670.784†	26.7	0.0003	mg/L	0.00082	0.0003	mg/L	0.00082	320.13%
Mg 279.077†	105715.7	424.2	mg/L	3.19	424.2	mg/L	3.19	0.75%
QC value within limits for Mg 279.077 Recovery = 106.05%								
Mn 257.610†	119114.6	0.4694	mg/L	0.00724	0.4694	mg/L	0.00724	1.54%
QC value within limits for Mn 257.610 Recovery = 93.88%								
Mo 202.031†	1.0	0.0013	mg/L	0.00637	0.0013	mg/L	0.00637	504.62%
Ni 231.604†	1574.8	0.8445	mg/L	0.00708	0.8445	mg/L	0.00708	0.84%
QC value within limits for Ni 231.604 Recovery = 84.45%								
Pb 220.353†	472.2	0.9186	mg/L	0.00771	0.9186	mg/L	0.00771	0.84%
QC value within limits for Pb 220.353 Recovery = 91.86%								
Sb 206.836†	8.4	0.0159	mg/L	0.01342	0.0159	mg/L	0.01342	84.55%
Se 196.026†	-3.2	-0.0213	mg/L	0.02242	-0.0213	mg/L	0.02242	105.42%
Si 251.611†	10.7	0.0022	mg/L	0.00081	0.0022	mg/L	0.00081	36.44%
Sn 189.927†	-4.6	-0.0163	mg/L	0.00213	-0.0163	mg/L	0.00213	13.06%
Sr 421.552†	19004.0	0.0191	mg/L	0.00027	0.0191	mg/L	0.00027	1.40%
Ti 334.940†	-171.6	-0.0006	mg/L	0.00011	-0.0006	mg/L	0.00011	17.67%
Tl 190.801†	1.0	0.0011	mg/L	0.00706	0.0011	mg/L	0.00706	652.42%
V 290.880†	18215.8	0.4831	mg/L	0.00454	0.4831	mg/L	0.00454	0.94%
QC value within limits for V 290.880 Recovery = 96.61%								
Zn 206.200†	1976.1	0.9265	mg/L	0.00687	0.9265	mg/L	0.00687	0.74%
QC value within limits for Zn 206.200 Recovery = 92.65%								
P 213.617†	-5.2	-0.0787	mg/L	0.01962	-0.0787	mg/L	0.01962	24.93%
S 181.975†	-1.7	-0.0904	mg/L	0.19885	-0.0904	mg/L	0.19885	220.02%
Na 589.592†	796.9	0.1606	mg/L	0.00981	0.1606	mg/L	0.00981	6.11%
K 766.490†	432.3	0.2261	mg/L	0.03214	0.2261	mg/L	0.03214	14.22%
Hg 253.652†	830.0	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	0.00%

All analyte(s) passed QC.

ENTHALPY CONTINUING CALIBRATION FOR 467322 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22327502026 File : met02_hg_062822 Time : 15-AUG-2022 12:04
Cal : 22327502001 Caldate : 15-AUG-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	522.35	475.60	1.000	0.9253	mg/L	-7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	344972	308012	-10.71

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC
User canceled analysis.

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Analysis Begun

Start Time: 8/15/2022 12:04:23 PM **Plasma On Time: 8/15/2022 9:30:38 AM**
Logged In Analyst: AAICP-ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N No Serial # **Autosampler: ESI**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\08-15-22.sif
Batch ID: 08-11-22
Results Data Set: 08-15-22
Results Library: C:\Users\Public\PerkinElmer\ICP\Data\Results\Results.mdb

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Sequence No.: 15 **Autosampler Location: 7**
Sample ID: CCV, S16870 **Date Collected: 8/15/2022 12:04:25 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: CCV, S16870

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y Radial	66927.3	93.12	%	3.114				3.34%
Y Axial	308012.4	89.29	%	0.705				0.79%
Ag 328.068†	30268.8	0.4605	mg/L	0.00730	0.4605	mg/L	0.00730	1.58%
QC value within limits for Ag 328.068 Recovery = 92.10%								
Al 308.215†	7528.3	1.026	mg/L	0.0315	1.026	mg/L	0.0315	3.07%
QC value within limits for Al 308.215 Recovery = 102.56%								
As 188.979†	327.7	0.9868	mg/L	0.04254	0.9868	mg/L	0.04254	4.31%
QC value within limits for As 188.979 Recovery = 98.68%								
B 249.677†	4435.5	0.9870	mg/L	0.01824	0.9870	mg/L	0.01824	1.85%
QC value within limits for B 249.677 Recovery = 98.70%								
Ba 233.527†	25818.9	0.9534	mg/L	0.02401	0.9534	mg/L	0.02401	2.52%
QC value within limits for Ba 233.527 Recovery = 95.34%								
Be 313.107†	222426.7	0.9824	mg/L	0.02306	0.9824	mg/L	0.02306	2.35%
QC value within limits for Be 313.107 Recovery = 98.24%								
Ca 315.887†	310900.6	98.65	mg/L	5.645	98.65	mg/L	5.645	5.72%
QC value within limits for Ca 315.887 Recovery = 97.67%								
Cd 214.440†	7758.2	0.9841	mg/L	0.02245	0.9841	mg/L	0.02245	2.28%
QC value within limits for Cd 214.440 Recovery = 98.41%								
Co 228.616†	4953.4	0.9405	mg/L	0.02844	0.9405	mg/L	0.02844	3.02%
QC value within limits for Co 228.616 Recovery = 94.05%								
Cr 267.716†	16909.2	0.9542	mg/L	0.02177	0.9542	mg/L	0.02177	2.28%
QC value within limits for Cr 267.716 Recovery = 95.42%								
Cu 324.752†	47181.2	0.9464	mg/L	0.02200	0.9464	mg/L	0.02200	2.32%
QC value within limits for Cu 324.752 Recovery = 94.64%								
Fe 238.204†	14120.1	1.026	mg/L	0.0225	1.026	mg/L	0.0225	2.19%
QC value within limits for Fe 238.204 Recovery = 102.58%								
Li 670.784†	105312.8	1.009	mg/L	0.0438	1.009	mg/L	0.0438	4.34%
QC value within limits for Li 670.784 Recovery = 100.89%								
Mg 279.077†	24540.7	98.48	mg/L	0.577	98.48	mg/L	0.577	0.59%
QC value within limits for Mg 279.077 Recovery = 97.50%								
Mn 257.610†	244684.4	0.9642	mg/L	0.02258	0.9642	mg/L	0.02258	2.34%
QC value within limits for Mn 257.610 Recovery = 96.42%								
Mo 202.031†	804.3	1.003	mg/L	0.0295	1.003	mg/L	0.0295	2.95%
QC value within limits for Mo 202.031 Recovery = 100.29%								
Ni 231.604†	1640.6	0.8798	mg/L	0.03013	0.8798	mg/L	0.03013	3.42%
QC value less than the lower limit for Ni 231.604 Recovery = 87.98%								
Pb 220.353†	475.6	0.9253	mg/L	0.02394	0.9253	mg/L	0.02394	2.59%
QC value within limits for Pb 220.353 Recovery = 92.53%								
Sb 206.836†	441.5	0.9647	mg/L	0.02826	0.9647	mg/L	0.02826	2.93%
QC value within limits for Sb 206.836 Recovery = 96.47%								
Se 196.026†	140.5	0.9406	mg/L	0.01531	0.9406	mg/L	0.01531	1.63%
QC value within limits for Se 196.026 Recovery = 94.06%								
Si 251.611†	26702.8	5.565	mg/L	0.1327	5.565	mg/L	0.1327	2.38%
QC value greater than the upper limit for Si 251.611 Recovery = 111.30%								
Sn 189.927†	1304.2	4.570	mg/L	0.1404	4.570	mg/L	0.1404	3.07%

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   QC value within limits for Sn 189.927  Recovery = 91.40%
Sr 421.552†          1105029.8       1.110 mg/L        0.0322       1.110 mg/L        0.0322   2.90%
   QC value greater than the upper limit for Sr 421.552  Recovery = 111.03%
Ti 334.940†           265037.6      0.9492 mg/L       0.02340      0.9492 mg/L       0.02340   2.46%
   QC value within limits for Ti 334.940  Recovery = 94.92%
Tl 190.801†              790.8      0.9055 mg/L       0.01689      0.9055 mg/L       0.01689   1.87%
   QC value within limits for Tl 190.801  Recovery = 90.55%
V 290.880†             37382.4      0.9913 mg/L       0.02030      0.9913 mg/L       0.02030   2.05%
   QC value within limits for V 290.880  Recovery = 99.13%
Zn 206.200†             2105.8      0.9872 mg/L       0.03254      0.9872 mg/L       0.03254   3.30%
   QC value within limits for Zn 206.200  Recovery = 98.72%
P 213.617†               399.2       6.085 mg/L        0.1273       6.085 mg/L        0.1273   2.09%
S 181.975†                 0.5      0.0252 mg/L       0.26602      0.0252 mg/L       0.26602 >999.9%
Na 589.592†           478059.4       96.32 mg/L         4.100       96.32 mg/L         4.100   4.26%
   QC value within limits for Na 589.592  Recovery = 95.36%
K 766.490†            197860.0       103.5 mg/L          4.73       103.5 mg/L          4.73   4.57%
   QC value within limits for K 766.490  Recovery = 94.06%
Hg 253.652†              259.7      0.0000 mg/L       0.00000      0.0000 mg/L       0.00000   0.00%
QC Failed.  Continue with analysis.
```

ENTHALPY INSTRUMENT BLANK FOR 467322 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22327502027 File : met02_hg_062822 Time : 15-AUG-2022 12:08
Cal : 22327502001 Caldate : 15-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	[0.006100]	0.01000	---	mg/L	!CCB

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	344972	344592	-0.11

!=warning CCB=instrument blank

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Method Loaded
Method Name: MET02_Hg_062822 **Method Last Saved: 6/28/2022 8:51:40 AM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

==========

Sequence No.: 16 **Autosampler Location: 8**
Sample ID: CCB **Date Collected: 8/15/2022 12:08:28 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y Radial	75735.3	105.4	%	0.92				0.87%
Y Axial	344592.0	99.89	%	5.520				5.53%
Ag 328.068†	89.2	0.0014	mg/L	0.00069	0.0014	mg/L	0.00069	50.83%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	13.8	0.0019	mg/L	0.00108	0.0019	mg/L	0.00108	57.16%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	1.8	0.0055	mg/L	0.00175	0.0055	mg/L	0.00175	32.00%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	86.6	0.0193	mg/L	0.00368	0.0193	mg/L	0.00368	19.12%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 233.527†	25.0	0.0009	mg/L	0.00005	0.0009	mg/L	0.00005	5.05%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	300.0	0.0013	mg/L	0.00011	0.0013	mg/L	0.00011	8.57%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	301.0	0.0955	mg/L	0.01132	0.0955	mg/L	0.01132	11.86%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440†	7.6	0.0010	mg/L	0.00014	0.0010	mg/L	0.00014	14.80%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	5.1	0.0010	mg/L	0.00009	0.0010	mg/L	0.00009	9.31%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	18.2	0.0010	mg/L	0.00010	0.0010	mg/L	0.00010	10.10%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	124.1	0.0025	mg/L	0.00028	0.0025	mg/L	0.00028	11.07%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 238.204†	201.0	0.0146	mg/L	0.00089	0.0146	mg/L	0.00089	6.08%
QC value within limits for Fe 238.204 Recovery = Not calculated								
Li 670.784†	176.9	0.0017	mg/L	0.00104	0.0017	mg/L	0.00104	61.24%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.077†	20.8	0.0835	mg/L	0.01418	0.0835	mg/L	0.01418	16.98%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	156.4	0.0006	mg/L	0.00008	0.0006	mg/L	0.00008	12.83%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	41.2	0.0514	mg/L	0.00823	0.0514	mg/L	0.00823	16.01%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604†	0.5	0.0003	mg/L	0.00144	0.0003	mg/L	0.00144	523.68%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	3.1	0.0061	mg/L	0.00160	0.0061	mg/L	0.00160	26.43%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	4.9	0.0107	mg/L	0.00182	0.0107	mg/L	0.00182	16.94%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	1.3	0.0088	mg/L	0.00244	0.0088	mg/L	0.00244	27.55%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	36.3	0.0070	mg/L	0.00119	0.0070	mg/L	0.00119	16.96%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	19.0	0.0666	mg/L	0.00190	0.0666	mg/L	0.00190	2.85%
Sr 421.552†	952.9	0.0010	mg/L	0.00010	0.0010	mg/L	0.00010	10.42%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	2066.8	0.0074	mg/L	0.00103	0.0074	mg/L	0.00103	13.97%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	26.2	0.0297	mg/L	0.00436	0.0297	mg/L	0.00436	14.65%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	92.9	0.0025	mg/L	0.00080	0.0025	mg/L	0.00080	32.52%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	1.6	0.0008	mg/L	0.00073	0.0008	mg/L	0.00073	95.97%
QC value within limits for Zn 206.200 Recovery = Not calculated								
P 213.617†	-0.7	-0.0104	mg/L	0.01118	-0.0104	mg/L	0.01118	107.71%
S 181.975†	0.7	0.0387	mg/L	0.07079	0.0387	mg/L	0.07079	182.94%
Na 589.592†	203.9	0.0411	mg/L	0.00203	0.0411	mg/L	0.00203	4.94%

QC value within limits for Na 589.592 Recovery = Not calculated

K 766.490†	388.5	0.2032 mg/L	0.01384	0.2032 mg/L	0.01384	6.81%

QC value greater than the upper limit for K 766.490 Recovery = Not calculated

Hg 253.652†	-12.2	0.0000 mg/L	0.00000	0.0000 mg/L	0.00000	0.00%

QC Failed. Continue with analysis.

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Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 467767
Report Level: IV
Report Date: 01/05/2023

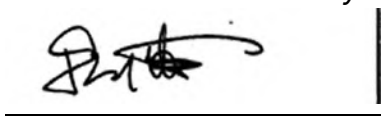
PCBs

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker Rincon Consultants 449 15th Street #303 Oakland, CA 94612		Lab Job #: Project No: Location: Date Received:	467767 20-10491 Hangar 1 NTCRA 08/22/22

Sample ID	Lab ID	Collected	Matrix
220822-P-MEDBLANK	467767-001	08/22/22 10:36	Wipe

Case Narrative

PCBS (EPA 8082)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 467767 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 08/22/22

This data package contains sample and QC results for one wipe sample, requested for the above referenced project on 08/23/22. See attached cooler receipt form for any sample receipt problems or discrepancies. Reissued 1/5/23 to revise the preparation method reference.

PCBs (EPA 8082):

No analytical problems were encountered.

Chain of Custody

467767

JG

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)					
Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

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Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure A

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
16	220822-P-MEDBLANK	8/22/2022	1036	WP	1		X			Collected from Low Occupancy zone of Hanagar
17	220822-L-MEDBLANK	8/22/2022	1036	WP	1			X		Collected from Low Occupancy zone of Hanagar
18	DOOR-N-0.4GE-PS-20-220820-L-GP	8/20/2022	0956	WP	1			X		HOLD
19	DOOR-N-0.4GE-PS-20-220820-P-GP	8/20/2022	0956	WP	1		X			HOLD
20	DOOR-N-0.3GE-DG-7T020-220820-L-LA	8/20/2022	0928	WP	1		X			HOLD
MK 21	P-LA	8/ /2022		WP						~~HOLD~~ MK
22	DOOR-N-0.3GE-DG-7T020-	8/20/2022	0928	WP	1			X		HOLD
MK 23	220820-L-LA	8/ /2022		WP						~~HOLD~~ MK
24	DOOR-N-0.1GE-EXT-5T06-	8/20/2022	0945	WP	1			X		HOLD
MK 25	220820-L-CB	8/ /2022		WP						~~HOLD~~ MK
26	DOOR-N-0.1GE-EXT-5T06-	8/20/2022	0945	WP	1			X		HOLD
MK 27	220820-L-DUP-CB	8/ /2022		WP						~~HOLD~~ MK
28	DOOR-N-0.1GE-EXT-5T06-	8/20/2022	0945	WP	1		X			HOLD
MK 29	220820-P-CB	8/ /2022		WP						
30		8/ /2022		WP						

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michaela Kim	Rincon/Env Scientist	1350 8/22/22
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	1450 8/22/22
2 Relinquished By:	Audrey Hudson	"	"	16:14 8/22/22
2 Received By:		Marcus H c/p	EA	8/22/22 16:14
3 Relinquished By:		Lisa Fong	EA	8/22/22 17:53
3 Received By:		Yanira	er	8/23/2022 08:35

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 467767 Client: Rincon

Date Received: 8.22.22 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☐ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 8.22 By (print) JH (sign) JH

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☐ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: 1.2, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	–		
Were Method 5035 sampling containers present?		–	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	–		
Are there any missing / extra samples?		–	
Are samples in the appropriate containers for indicated tests?	–		
Are sample labels present, in good condition and complete?	–		
Does the container count match the COC?	–		
Do the sample labels agree with custody papers?	–		
Was sufficient amount of sample sent for tests requested?	–		
Did you change the hold time in LIMS for unpreserved VOAs?			–
Did you change the hold time in LIMS for preserved terracores?			–
Are bubbles > 6mm present in VOA samples?			–
Was the client contacted concerning this sample delivery?		–	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 8-22 **By (print)** MAY **(sign)** _____

Date Labeled 8-22 **By (print)** JH **(sign)** JH

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SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants, Inc. Project: Hangar 1 - NCTRA WP / 158 Cody Road Mountain View, CA

Date Received: 8/23/2022 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.8 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: Greyhound

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☑ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.9 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Yanira Date: 8/23/2022

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9/5.8

c/0.9

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Chain of Custody Record

COC ID

Page: 3 of 4

Turn Around Time (rush by advanced notice only)

Standard	X (PCBs)	5 Day		3 Day	
2 Day		1 Day	X (Pb)	Custom TAT	

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Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp:

(lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company	Rincon Consultants, Inc	Quote #:	RIN031721
Report To	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
E-mail:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M Kim

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure A

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	
16	220820-P-MEDBLANK	8/22/2022	1036	WP	1		X			Collected from Low Occupancy zone of Hangar
17	220820-L-MEDBLANK	8/22/2022	1036	WP	1			X		Collected from Low Occupancy zone of Hangar
18	DOOR-N-0.4GE-PS-20-220820-L-LA	8/20/2022	0956	WP	1			X	X	HOLD
19	DOOR-N-0.4GE-PS-20-220820-P-LA	8/20/2022	0956	WP	1		X		X	HOLD
20	DOOR-N-0.3GE-DG-7T020-220820-P-LA	8/20/2022	0928	WP	1		X		X	HOLD
MK 21		8/ /2022		WP						HOLD MK
22	DOOR-N-0.3GE-DG-7T020-	8/20/2022	0928	WP	1			X	X	HOLD
MK 23	220820-L-LA	8/ /2022		WP						~~HOLD~~ MK
24	DOOR-N-0.1GE-EXT-5T06-	8/20/2022	0945	WP	1			X	X	HOLD
MK 25	220820-L-CB	8/ /2022		WP						~~HOLD~~ MK
26	DOOR-N-0.1GE-EXT-5T06-	8/20/2022	0945	WP	1			X	X	HOLD
MK 27	220820-L-DUP-CB	8/ /2022		WP						~~HOLD~~ MK
28	DOOR-N-0.1GE-EXT-5T06-	8/20/2022	0945	WP	1		X		X	HOLD
MK 29	220820-P-CB	8/ /2022		WP						
30		8/ /2022		WP						

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michaela Kim	Rincon Env Scientist	1350 8/22/22
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	1:50 8/22/22
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

Results & QC Summary

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467767 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: 220822-P-MEDBLANK **Batch#:** 295632 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/22/22 **Analysis:** EPA 8082

Lab ID: 467767-001 **Received:** 08/22/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/24/22

Dil n Fac: 1.000 **Analyzed:** 08/26/22

467767-001 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467767-001 Surrogate	%REC	Limits
TCMX (PCB)	79	52-186
Decachlorobiphenyl (PCB)	67	50-150

Type: BLANK **Batch#:** 295632 **Analysis:** EPA 8082

Lab ID: QC1008494 **Prepared:** 08/24/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/26/22

Dil n Fac: 1.000 **Prep:** EPA 3572M

QC1008494 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1008494 Surrogate	%REC	Limits
TCMX (PCB)	92	52-186
Decachlorobiphenyl (PCB)	74	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 467767 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 295632 **Analysis:** EPA 8082

Lab ID: QC1008495 **Prepared:** 08/24/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/26/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1008495 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	5.095	102	60-140	ug/100 cm2
Aroclor-1260	5.000	5.648	113	60-140	ug/100 cm2

QC1008495 Surrogate	%REC	Limits
TCMX (PCB)	83	52-186
Decachlorobiphenyl (PCB)	79	60-140

Type: BSD **Batch#:** 295632 **Analysis:** EPA 8082

Lab ID: QC1008496 **Prepared:** 08/24/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/26/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1008496 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	5.690	114	60-140	ug/100 cm2	11	20
Aroclor-1260	5.000	6.161	123	60-140	ug/100 cm2	9	20

QC1008496 Surrogate	%REC	Limits
TCMX (PCB)	97	52-186
Decachlorobiphenyl (PCB)	88	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY INITIAL CALIBRATION FOR 467767 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_041422_1
Calibration #:	452150634002	Date:	14-APR-2022 18:41
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_041422015	452150634015		14-APR-2022 18:41	S16585 (100X), S16100 (250X)
L2	gc06_041422016	452150634016		14-APR-2022 18:58	S16585 (40X), S16100 (250X)
L3	gc06_041422017	452150634017		14-APR-2022 19:16	S16585 (20X), S16100 (250X)
L4	gc06_041422018	452150634018		14-APR-2022 19:33	S16585 (8X), S16100 (250X)
L5	gc06_041422019	452150634019		14-APR-2022 19:51	S16585 (4X), S16100 (250X)
L6	gc06_041422020	452150634020		14-APR-2022 20:09	S16585 (2.667X), S16100 (250X)
L7	gc06_041422021	452150634021		14-APR-2022 20:26	S16585 (2X), S16100 (250X)
L8	gc06_041422022	452150634022		14-APR-2022 20:44	S16585 (1.33X), S16100 (250X)
L9	gc06_041422023	452150634023		14-APR-2022 21:01	S16585, S16100 (250X)

Analyte	Ch	Type	a0	a1	a2	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		51.1278		0.0196	12	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		23.4813		0.0426	17	9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		19.9522		0.0501	7	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		26.6618		0.0375	10	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		34.4669		0.0290	13	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		15.8917		0.0629	17	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		10.3178		0.0969	16	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		9.92526		0.1008	11	9	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		19.9568		0.0501	14	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		15.0787		0.0663	10	9	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.65776		1.5203	11	9	.99	20	
TCMX (PCB)	A	AVRG		1.03976		0.9618	12	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		53.4063		0.0187	13	8	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		25.7342		0.0389	10	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		19.5135		0.0512	8	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		28.7624		0.0348	10	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		36.7890		0.0272	8	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		16.5241		0.0605	17	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		14.3009		0.0699	15	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		10.5262		0.0950	13	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		19.4527		0.0514	13	9	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		13.1942		0.0758	14	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.82881		1.2065	11	9	.99	20	
TCMX (PCB)	B	AVRG		1.09191		0.9158	4	9	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

ENTHALPY INITIAL CALIBRATION FOR 467767 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_041422_1
Calibration #:	452150634002	Date:	14-APR-2022 18:41
Units:	ug/L	X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0231	0.0227	0.0209	0.0201	0.0187	0.0179	0.0181	0.0177	0.0170
Aroclor-1016 Peak # 2	A	0.0579	0.0492	0.0459	0.0411	0.0401	0.0377	0.0380	0.0376	0.0358
Aroclor-1016 Peak # 3	A	0.0556	0.0544	0.0533	0.0502	0.0495	0.0465	0.0475	0.0478	0.0462
Aroclor-1016 Peak # 4	A	0.0452	0.0402	0.0403	0.0373	0.0367	0.0344	0.0348	0.0349	0.0336
Aroclor-1016 Peak # 5	A	0.0366	0.0313	0.0318	0.0288	0.0282	0.0260	0.0265	0.0266	0.0254
Aroclor-1260 Peak # 1	A	0.0863	0.0696	0.0704	0.0605	0.0604	0.0546	0.0553	0.0564	0.0528
Aroclor-1260 Peak # 2	A	0.1290	0.1076	0.1081	0.0929	0.0932	0.0843	0.0856	0.0887	0.0829
Aroclor-1260 Peak # 3	A	0.1233	0.1080	0.1086	0.0954	0.0970	0.0903	0.0930	0.0985	0.0928
Aroclor-1260 Peak # 4	A	0.0649	0.0543	0.0546	0.0479	0.0490	0.0442	0.0449	0.0473	0.0440
Aroclor-1260 Peak # 5	A	0.0797	0.0687	0.0724	0.0626	0.0650	0.0598	0.0618	0.0654	0.0615
Decachlorobiphenyl (PCB)	A	1.7379	1.5882	1.7199	1.5711	1.6300	1.3467	1.3670	1.4227	1.2993
TCMX (PCB)	A	1.2458	1.0303	0.9495	0.8937	0.9019	0.8810	0.9149	0.9235	0.9152
Aroclor-1016 Peak # 1	B		0.0232	0.0215	0.0191	0.0183	0.0172	0.0173	0.0168	0.0162
Aroclor-1016 Peak # 2	B	0.0444	0.0428	0.0426	0.0397	0.0384	0.0360	0.0363	0.0355	0.0340
Aroclor-1016 Peak # 3	B	0.0572	0.0573	0.0541	0.0510	0.0506	0.0471	0.0486	0.0480	0.0473
Aroclor-1016 Peak # 4	B	0.0420	0.0372	0.0371	0.0352	0.0341	0.0320	0.0325	0.0320	0.0309
Aroclor-1016 Peak # 5	B	0.0313	0.0295	0.0290	0.0271	0.0270	0.0252	0.0256	0.0255	0.0245
Aroclor-1260 Peak # 1	B	0.0820	0.0682	0.0674	0.0585	0.0578	0.0528	0.0531	0.0540	0.0509
Aroclor-1260 Peak # 2	B	0.0913	0.0772	0.0777	0.0683	0.0672	0.0613	0.0623	0.0639	0.0601
Aroclor-1260 Peak # 3	B	0.1205	0.1032	0.1035	0.0913	0.0919	0.0839	0.0860	0.0896	0.0852
Aroclor-1260 Peak # 4	B	0.0648	0.0555	0.0557	0.0505	0.0510	0.0461	0.0439	0.0490	0.0462
Aroclor-1260 Peak # 5	B	0.0991	0.0829	0.0833	0.0720	0.0729	0.0663	0.0670	0.0713	0.0673
Decachlorobiphenyl (PCB)	B	1.4005	1.2744	1.3672	1.2436	1.2790	1.0642	1.0803	1.1172	1.0325
TCMX (PCB)	B	1.0035	0.9180	0.8869	0.8884	0.9009	0.8817	0.9159	0.9229	0.9244

ENTHALPY INITIAL CALIBRATION FOR 467767 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_041422_1
Calibration #:	452150634002	Date:	14-APR-2022 18:41
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	18	50.000	16	100.00	7	250.00	3	500.00	-4	749.91	-9	1000.0	-8	1503.8	-10
Aroclor-1016 Peak # 2	A	20.000	**36**	50.000	15	100.00	8	250.00	-3	500.00	-6	749.91	-11	1000.0	-11	1503.8	-12
Aroclor-1016 Peak # 3	A	20.000	11	50.000	9	100.00	6	250.00	0	500.00	-1	749.91	-7	1000.0	-5	1503.8	-5
Aroclor-1016 Peak # 4	A	20.000	**21**	50.000	7	100.00	8	250.00	-1	500.00	-2	749.91	-8	1000.0	-7	1503.8	-7
Aroclor-1016 Peak # 5	A	20.000	**26**	50.000	8	100.00	9	250.00	-1	500.00	-3	749.91	-11	1000.0	-9	1503.8	-8
Aroclor-1260 Peak # 1	A	20.000	**37**	50.000	11	100.00	12	250.00	-4	500.00	-4	749.91	-13	1000.0	-12	1503.8	-10
Aroclor-1260 Peak # 2	A	20.000	**33**	50.000	11	100.00	11	250.00	-4	500.00	-4	749.91	-13	1000.0	-12	1503.8	-8
Aroclor-1260 Peak # 3	A	20.000	**22**	50.000	7	100.00	8	250.00	-5	500.00	-4	749.91	-10	1000.0	-8	1503.8	-2
Aroclor-1260 Peak # 4	A	20.000	**29**	50.000	8	100.00	9	250.00	-4	500.00	-2	749.91	-12	1000.0	-10	1503.8	-6
Aroclor-1260 Peak # 5	A	20.000	20	50.000	4	100.00	9	250.00	-6	500.00	-2	749.91	-10	1000.0	-7	1503.8	-1
Decachlorobiphenyl (PCB)	A	0.8000	14	2.0000	4	4.0000	13	10.000	3	20.000	7	29.996	-11	40.000	-10	60.150	-6
TCMX (PCB)	A	0.8000	**30**	2.0000	7	4.0000	-1	10.000	-7	20.000	-6	29.996	-8	40.000	-5	60.150	-4
Aroclor-1016 Peak # 1	B			50.000	**24**	100.00	15	250.00	2	500.00	-2	749.91	-8	1000.0	-8	1503.8	-10
Aroclor-1016 Peak # 2	B	20.000	14	50.000	10	100.00	10	250.00	2	500.00	-1	749.91	-7	1000.0	-7	1503.8	-9
Aroclor-1016 Peak # 3	B	20.000	12	50.000	12	100.00	6	250.00	0	500.00	-1	749.91	-8	1000.0	-5	1503.8	-6
Aroclor-1016 Peak # 4	B	20.000	**21**	50.000	7	100.00	7	250.00	1	500.00	-2	749.91	-8	1000.0	-6	1503.8	-8
Aroclor-1016 Peak # 5	B	20.000	15	50.000	8	100.00	7	250.00	0	500.00	-1	749.91	-7	1000.0	-6	1503.8	-6
Aroclor-1260 Peak # 1	B	20.000	**35**	50.000	13	100.00	11	250.00	-3	500.00	-4	749.91	-13	1000.0	-12	1503.8	-11
Aroclor-1260 Peak # 2	B	20.000	**31**	50.000	10	100.00	11	250.00	-2	500.00	-4	749.91	-12	1000.0	-11	1503.8	-9
Aroclor-1260 Peak # 3	B	20.000	**27**	50.000	9	100.00	9	250.00	-4	500.00	-3	749.91	-12	1000.0	-10	1503.8	-6
Aroclor-1260 Peak # 4	B	20.000	**26**	50.000	8	100.00	8	250.00	-2	500.00	-1	749.91	-10	1000.0	-15	1503.8	-5
Aroclor-1260 Peak # 5	B	20.000	**31**	50.000	9	100.00	10	250.00	-5	500.00	-4	749.91	-13	1000.0	-12	1503.8	-6
Decachlorobiphenyl (PCB)	B	0.8000	16	2.0000	6	4.0000	13	10.000	3	20.000	6	29.996	-12	40.000	-10	60.150	-7
TCMX (PCB)	B	0.8000	10	2.0000	0	4.0000	-3	10.000	-3	20.000	-2	29.996	-4	40.000	0	60.150	1

ENTHALPY INITIAL CALIBRATION FOR 467767 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_041422_1
Calibration #:	452150634002	Date:	14-APR-2022 18:41
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-13
Aroclor-1016 Peak # 2	A	2000.0	-16
Aroclor-1016 Peak # 3	A	2000.0	-8
Aroclor-1016 Peak # 4	A	2000.0	-10
Aroclor-1016 Peak # 5	A	2000.0	-12
Aroclor-1260 Peak # 1	A	2000.0	-16
Aroclor-1260 Peak # 2	A	2000.0	-14
Aroclor-1260 Peak # 3	A	2000.0	-8
Aroclor-1260 Peak # 4	A	2000.0	-12
Aroclor-1260 Peak # 5	A	2000.0	-7
Decachlorobiphenyl (PCB)	A	80.000	-15
TCMX (PCB)	A	80.000	-5
Aroclor-1016 Peak # 1	B	2000.0	-14
Aroclor-1016 Peak # 2	B	2000.0	-12
Aroclor-1016 Peak # 3	B	2000.0	-8
Aroclor-1016 Peak # 4	B	2000.0	-11
Aroclor-1016 Peak # 5	B	2000.0	-10
Aroclor-1260 Peak # 1	B	2000.0	-16
Aroclor-1260 Peak # 2	B	2000.0	-14
Aroclor-1260 Peak # 3	B	2000.0	-10
Aroclor-1260 Peak # 4	B	2000.0	-10
Aroclor-1260 Peak # 5	B	2000.0	-11
Decachlorobiphenyl (PCB)	B	80.000	-14
TCMX (PCB)	B	80.000	1

TJW 04/15/22 : Manually integrated due to baseline corrections for all channels in multiple levels

Analyst: TJW 04/15/22

Reviewer: LW 04/15/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 467767 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Name:	PCB_041422_1
Calnum:	452150634002	Cal Date:	14-APR-2022

- ICV 452150634025 (gc06_041422025 14-APR-2022) stds: S16736

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	470.1	ug/L	-6	15	
Aroclor-1260	A	500.0	484.1	ug/L	-3	15	
Aroclor-1016	B	500.0	481.4	ug/L	-4	15	
Aroclor-1260	B	500.0	486.3	ug/L	-3	15	

-

Analyst: TJW 04/15/22 **Reviewer:** LW 04/15/22

ENTHALPY CONTINUING CALIBRATION FOR 467767 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	452343556002	File:	gc06_082622002	Time:	26-AUG-2022 13:56
Cal:	452150634002	Caldate:	14-APR-2022		

Standards: S17055

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	550.8	ug/L	10	15	0.0000	
Aroclor-1260	A			500.0	569.3	ug/L	14	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.5203	1.7501	20.00	23.02	ug/L	15	15	0.0000	
TCMX (PCB)	A	0.9618	1.9034	20.00	39.58	ug/L	**98**	15	0.0000	c+
Aroclor-1016	B			500.0	579.5	ug/L	**16**	15	0.0000	**c+** ***
Aroclor-1260	B			500.0	605.4	ug/L	**21**	15	0.0000	**c+** ***
Decachlorobiphenyl (PCB)	B	1.2065	1.6012	20.00	26.54	ug/L	**33**	15	0.0000	c+
TCMX (PCB)	B	0.9158	1.9823	20.00	43.29	ug/L	**116**	15	0.0000	c+

ISTD (ICAL gc06_041422016)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	6493014	8218495	26.57
1-bromo-2-nitrobenzene (PCB)	A	1831488	1919479	4.80

TRN 08/26/22 : Report from CH A

+=high bias c=CCV

Analyst: TRN 08/26/22 **Reviewer:** SLL 08/29/22

Enthalpy Internal Standard Summary for Sequence 452343556

Date:	08/26/22	Reference:	gc06_041422016
Sequence:	SVOA-GC06 gc06_082622	Analyzed:	04/14/22 18:58

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	6493014	1831488
		LOWER LIMIT	3246507	915744
		UPPER LIMIT	12986028	3662976
002	CCV		8218495	1919479
054	CCV		9640442	1993573

Enthalpy Internal Standard Summary for Sequence 452343556

Date:	08/26/22	Reference:	gc06_082622002
Sequence:	SVOA-GC06 gc06_082622	Analyzed:	08/26/22 13:56

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	8218495	1919479
		LOWER LIMIT	4109247	959740
		UPPER LIMIT	16436989	3838958
004	SAMPLE	467774-005	3485 *	706 *
006	SAMPLE	467774-005	19114025 *	3817896
013	BLANK	QC1008494	10776439	2035190
014	BS	QC1008495	9631063	1765534
015	BSD	QC1008496	8789073	1599891
016	SAMPLE	467767-001	7402786	1492388
017	SAMPLE	467769-004	7173330	1417500
018	SAMPLE	467771-001	8084283	1602079
019	SAMPLE	467771-003	8704926	1713222
020	SAMPLE	467771-005	8868625	1726643
021	SAMPLE	467771-007	25654111 *	4986268 *
022	SAMPLE	467774-001	26203321 *	5088749 *
023	SAMPLE	467774-003	10056210	1995906
024	SAMPLE	467774-007	24316230 *	4621759 *
025	SAMPLE	467872-039	8592765	1664480
026	SAMPLE	467872-041	8065302	1581957
027	SAMPLE	467872-044	16256538	3118391
028	SAMPLE	467872-046	8655156	1701107
029	SAMPLE	467872-048	8784782	1730339
030	BLANK	QC1008491	8469873	1541915
031	BS	QC1008492	7747147	1544213
032	BSD	QC1008493	7674423	1573816
033	SAMPLE	467872-001	7918075	1559928
034	SAMPLE	467872-003	8533392	1634001
035	SAMPLE	467872-005	9827992	1840514
036	SAMPLE	467872-007	7714453	1457825
037	SAMPLE	467872-008	10457717	1942460
038	SAMPLE	467872-010	7831157	1486306
039	SAMPLE	467872-012	6840643	1340797
040	SAMPLE	467872-014	7589971	1402635
041	SAMPLE	467872-016	9279861	1756314
042	SAMPLE	467872-018	8125603	1506070

Enthalpy Internal Standard Summary for Sequence 452343556

Date: 08/26/22 Reference: gc06_082622002
Sequence: SVOA-GC06 gc06_082622 Analyzed: 08/26/22 13:56

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.13	4.36
		LOWER LIMIT	3.93	4.16
		UPPER LIMIT	4.33	4.56
004	SAMPLE	467774-005	4.12	4.28
006	SAMPLE	467774-005	4.13	4.36
013	BLANK	QC1008494	4.13	4.36
014	BS	QC1008495	4.13	4.36
015	BSD	QC1008496	4.13	4.36
016	SAMPLE	467767-001	4.12	4.36
017	SAMPLE	467769-004	4.12	4.36
018	SAMPLE	467771-001	4.13	4.36
019	SAMPLE	467771-003	4.13	4.36
020	SAMPLE	467771-005	4.12	4.36
021	SAMPLE	467771-007	4.12	4.36
022	SAMPLE	467774-001	4.12	4.35
023	SAMPLE	467774-003	4.12	4.35
024	SAMPLE	467774-007	4.13	4.36
025	SAMPLE	467872-039	4.12	4.36
026	SAMPLE	467872-041	4.12	4.36
027	SAMPLE	467872-044	4.13	4.36
028	SAMPLE	467872-046	4.13	4.36
029	SAMPLE	467872-048	4.12	4.36
030	BLANK	QC1008491	4.12	4.36
031	BS	QC1008492	4.12	4.36
032	BSD	QC1008493	4.13	4.36
033	SAMPLE	467872-001	4.12	4.36
034	SAMPLE	467872-003	4.12	4.36
035	SAMPLE	467872-005	4.12	4.36
036	SAMPLE	467872-007	4.12	4.36
037	SAMPLE	467872-008	4.12	4.36
038	SAMPLE	467872-010	4.12	4.36
039	SAMPLE	467872-012	4.12	4.36
040	SAMPLE	467872-014	4.12	4.36
041	SAMPLE	467872-016	4.12	4.36
042	SAMPLE	467872-018	4.12	4.36

Enthalpy Sequence Summary for Sequence 452150634

Instrument: SVOA-GC06 Begun: 04/14/22 14:34
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	gc06_041422001	UNKNOWN	HEXANE			04/14/22 14:34	1.0	1	4:DDD44=1100
002	gc06_041422002	PEM				04/14/22 14:52	1.0	2	
003	gc06_041422003	UNKNOWN	HEXANE			04/14/22 15:10	1.0	1	3:GCHLORDANE=5600
004	gc06_041422004	ICAL				04/14/22 15:27	1.0	3 4	
005	gc06_041422005	ICAL				04/14/22 15:45	1.0	3 4	
006	gc06_041422006	ICAL				04/14/22 16:02	1.0	3 4	
007	gc06_041422007	ICAL				04/14/22 16:20	1.0	3 4	
008	gc06_041422008	ICAL				04/14/22 16:38	1.0	3 4	
009	gc06_041422009	ICAL				04/14/22 16:55	1.0	3 4	
010	gc06_041422010	ICAL				04/14/22 17:13	1.0	3 4	
011	gc06_041422011	ICAL				04/14/22 17:30	1.0	3 4	
012	gc06_041422012	UNKNOWN	HEXANE			04/14/22 17:48	1.0	1	2:GCHLORDANE=4300
013	gc06_041422013	ICV				04/14/22 18:05	1.0	5	
014	gc06_041422014	UNKNOWN	HEXANE			04/14/22 18:23	1.0	1	
015	gc06_041422015	ICAL				04/14/22 18:41	1.0	6 4	
016	gc06_041422016	ICAL				04/14/22 18:58	1.0	6 4	
017	gc06_041422017	ICAL				04/14/22 19:16	1.0	6 4	
018	gc06_041422018	ICAL				04/14/22 19:33	1.0	6 4	
019	gc06_041422019	ICAL				04/14/22 19:51	1.0	6 4	
020	gc06_041422020	ICAL				04/14/22 20:09	1.0	6 4	
021	gc06_041422021	ICAL				04/14/22 20:26	1.0	6 4	
022	gc06_041422022	ICAL				04/14/22 20:44	1.0	6 4	
023	gc06_041422023	ICAL				04/14/22 21:01	1.0	6 4	
024	gc06_041422024	UNKNOWN	HEXANE			04/14/22 21:19	1.0	1	7:GCHLORDANE=44000
025	gc06_041422025	ICV				04/14/22 21:37	1.0	7	

TJW 04/15/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 1 through 25.

Standards Used:
1=S16324 2=S16226 3=S16727 4=S16100 5=S16619 6=S16585 7=S16736

Enthalpy Sequence Summary for Sequence 452343556

Instrument: SVOA-GC06 Begun: 08/26/22 13:56
Method: EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc06_082622002	CCV				08/26/22 13:56	1.0	1	
004	gc06_082622004	SAMPLE	467774-005	Wipe	295632	08/26/22 14:32	1.0	2	2:PCB1016#1=2800
006	gc06_082622006	SAMPLE	467774-005	Wipe	295632	08/26/22 14:58	1.0	2	
013	gc06_082622013	BLANK	QC1008494	Wipe	295632	08/26/22 17:17	1.0	2	
014	gc06_082622014	BS	QC1008495	Wipe	295632	08/26/22 17:35	1.0	2	
015	gc06_082622015	BSD	QC1008496	Wipe	295632	08/26/22 17:52	1.0	2	
016	gc06_082622016	SAMPLE	467767-001	Wipe	295632	08/26/22 18:10	1.0	2	
017	gc06_082622017	SAMPLE	467769-004	Wipe	295632	08/26/22 18:27	1.0	2	
018	gc06_082622018	SAMPLE	467771-001	Wipe	295632	08/26/22 18:44	1.0	2	
019	gc06_082622019	SAMPLE	467771-003	Wipe	295632	08/26/22 19:02	1.0	2	
020	gc06_082622020	SAMPLE	467771-005	Wipe	295632	08/26/22 19:19	1.0	2	
021	gc06_082622021	SAMPLE	467771-007	Wipe	295632	08/26/22 19:37	1.0	2	
022	gc06_082622022	SAMPLE	467774-001	Wipe	295632	08/26/22 19:54	1.0	2	
023	gc06_082622023	SAMPLE	467774-003	Wipe	295632	08/26/22 20:12	1.0	2	
024	gc06_082622024	SAMPLE	467774-007	Wipe	295632	08/26/22 20:29	1.0	2	
025	gc06_082622025	SAMPLE	467872-039	Wipe	295632	08/26/22 20:46	1.0	2	
026	gc06_082622026	SAMPLE	467872-041	Wipe	295632	08/26/22 21:04	1.0	2	
027	gc06_082622027	SAMPLE	467872-044	Wipe	295632	08/26/22 21:21	1.0	2	
028	gc06_082622028	SAMPLE	467872-046	Wipe	295632	08/26/22 21:39	1.0	2	
029	gc06_082622029	SAMPLE	467872-048	Wipe	295632	08/26/22 21:56	1.0	2	
030	gc06_082622030	BLANK	QC1008491	Wipe	295631	08/26/22 22:13	1.0	2	
031	gc06_082622031	BS	QC1008492	Wipe	295631	08/26/22 22:31	1.0	2	
032	gc06_082622032	BSD	QC1008493	Wipe	295631	08/26/22 22:48	1.0	2	
033	gc06_082622033	SAMPLE	467872-001	Wipe	295631	08/26/22 23:06	1.0	2	
034	gc06_082622034	SAMPLE	467872-003	Wipe	295631	08/26/22 23:23	1.0	2	
035	gc06_082622035	SAMPLE	467872-005	Wipe	295631	08/26/22 23:40	1.0	2	
036	gc06_082622036	SAMPLE	467872-007	Wipe	295631	08/26/22 23:58	1.0	2	
037	gc06_082622037	SAMPLE	467872-008	Wipe	295631	08/27/22 00:15	1.0	2	
038	gc06_082622038	SAMPLE	467872-010	Wipe	295631	08/27/22 00:33	1.0	2	
039	gc06_082622039	SAMPLE	467872-012	Wipe	295631	08/27/22 00:50	1.0	2	
040	gc06_082622040	SAMPLE	467872-014	Wipe	295631	08/27/22 01:07	1.0	2	
041	gc06_082622041	SAMPLE	467872-016	Wipe	295631	08/27/22 01:25	1.0	2	
042	gc06_082622042	SAMPLE	467872-018	Wipe	295631	08/27/22 01:42	1.0	2	
054	gc06_082622054	CCV				08/27/22 05:11	1.0	1	
062	gc06_082622062	SAMPLE	467872-020	Wipe	295631	08/27/22 07:31	1.0	2	
063	gc06_082622063	SAMPLE	467872-022	Wipe	295631	08/27/22 07:48	1.0	2	
064	gc06_082622064	SAMPLE	467872-024	Wipe	295631	08/27/22 08:06	1.0	2	
065	gc06_082622065	SAMPLE	467872-026	Wipe	295631	08/27/22 08:23	1.0	2	
066	gc06_082622066	SAMPLE	467872-029	Wipe	295631	08/27/22 08:41	1.0	2	
067	gc06_082622067	SAMPLE	467872-031	Wipe	295631	08/27/22 08:58	1.0	2	6:PCB1260#5=16000
068	gc06_082622068	SAMPLE	467872-033	Wipe	295631	08/27/22 09:15	1.0	2	
069	gc06_082622069	SAMPLE	467872-034	Wipe	295631	08/27/22 09:33	1.0	2	
070	gc06_082622070	SAMPLE	467872-036	Wipe	295631	08/27/22 09:50	1.0	2	
071	gc06_082622071	SAMPLE	467872-037	Wipe	295631	08/27/22 10:08	1.0	2	

TRN 08/29/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 71.

Standards Used:
1=S17055 2=S17010

SAMPLE PREPARATION SUMMARY

Batch # : 295632
Started By : EPL
Prep Date : 24-AUG-2022 13:45
Method : 3572M
Spike #1 ID : S17205
Spike #2 ID : S17022
Analysis : 8080
Finished By : EPL
Units : dm2

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
467767-001		Wipe	1	20	1	20.0		1				PCB	
467769-004		Wipe	1	20	1	20.0		1				PCB	
467771-001		Wipe	1	20	1	20.0		1				PCB	
467771-003		Wipe	1	20	1	20.0		1				PCB	
467771-005		Wipe	1	20	1	20.0		1				PCB	
467771-007		Wipe	1	20	1	20.0		1				PCB	
467774-001		Wipe	1	20	1	20.0		1				PCB	
467774-003		Wipe	1	20	1	20.0		1				PCB	
467774-005		Wipe	1	20	1	20.0		1				PCB	
467774-007		Wipe	1	20	1	20.0		1				PCB	
467872-039		Wipe	1	20	1	20.0		1				PCB	
467872-041		Wipe	1	20	1	20.0		1				PCB	
467872-044		Wipe	1	20	1	20.0		1				PCB	
467872-046		Wipe	1	20	1	20.0		1				PCB	
467872-048		Wipe	1	20	1	20.0		1				PCB	
QC1008494	BLANK	Wipe	1	10	1	10.0		.5				8080	
QC1008495	BS	Wipe	1	10	1	10.0		.5	.5			8080	
QC1008496	BSD	Wipe	1	10	1	10.0		.5	.5			8080	

TRN 08/29/22 : BS/D verify the batch

Analyst: TRN Date: 08/29/22 Reviewer: SLL Date: 08/29/22

8081/8082 Prep Log

Date/Time: 8/24/22 13:45 Initials: EPL

3572M 1-5-23 MAG

608 QC Batch#:

Matrix: WIPE Prep Method: ~~3580~~ Balance ID: N/A

8081 QC Batch #:

8082 QC Batch #: 295632

Sample ID	Cont. ID	Sample Initial Amount Circle one: mL g	pH is 5-9?	Extraction Equipment ID (Sox, Sonic., Shaker)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Witness ID	Comment
Blank		1 dm²	N/A	SH3	N/A	10.0			500 µL SURROGATE
LCS		↓	↓	↓	↓	↓			↓
LCSD									
467872-039	A					20.0			
-041	A								
-044	A								
-046	A								
-048	A								
467767-001	A								
467769-004	A								
467771-001	A								
-003	A								
-005	A								
-007	A								
467774-001	A								
-003	A								
-005	A								
-007	A	↓	↓	↓	↓	↓			

Methylene Chloride Lot: N/A

Exchange Solvent (Hexane) ID: 220771

Acetone-Hexane Mix ID: N/A

Sodium Sulfate Lot: N/A

Baked Sand Lot: N/A

Surrogate ID: ~~S1221~~ 8/24 S17305 Volume: 1000 µL

Pest LCS Spike ID: N/A Volume: N/A µL

PCB LCS Spike ID: S17022 Volume: 500 µL

Pest MS/MSD Spike ID: N/A Volume: N/A µL

PCB MS/MSD Spike ID: N/A Volume: N/A µL

REPORTING SUMMARY FOR 467767 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
467767-001	Aroclor-1016	SVOA-GC06	A	08/26/22 18:10
467767-001	Aroclor-1221	SVOA-GC06	A	08/26/22 18:10
467767-001	Aroclor-1232	SVOA-GC06	A	08/26/22 18:10
467767-001	Aroclor-1242	SVOA-GC06	A	08/26/22 18:10
467767-001	Aroclor-1248	SVOA-GC06	A	08/26/22 18:10
467767-001	Aroclor-1254	SVOA-GC06	A	08/26/22 18:10
467767-001	Aroclor-1260	SVOA-GC06	A	08/26/22 18:10
467767-001	Aroclor-1262	SVOA-GC06	A	08/26/22 18:10
467767-001	Aroclor-1268	SVOA-GC06	A	08/26/22 18:10
467767-001	TCMX (PCB)	SVOA-GC06	A	08/26/22 18:10
467767-001	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/26/22 18:10
QC1008494	Aroclor-1016	SVOA-GC06	A	08/26/22 17:17
QC1008494	Aroclor-1221	SVOA-GC06	A	08/26/22 17:17
QC1008494	Aroclor-1232	SVOA-GC06	A	08/26/22 17:17
QC1008494	Aroclor-1242	SVOA-GC06	A	08/26/22 17:17
QC1008494	Aroclor-1248	SVOA-GC06	A	08/26/22 17:17
QC1008494	Aroclor-1254	SVOA-GC06	A	08/26/22 17:17
QC1008494	Aroclor-1260	SVOA-GC06	A	08/26/22 17:17
QC1008494	Aroclor-1262	SVOA-GC06	A	08/26/22 17:17
QC1008494	Aroclor-1268	SVOA-GC06	A	08/26/22 17:17
QC1008494	TCMX (PCB)	SVOA-GC06	A	08/26/22 17:17
QC1008494	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/26/22 17:17
QC1008495	Aroclor-1016	SVOA-GC06	A	08/26/22 17:35
QC1008495	Aroclor-1260	SVOA-GC06	A	08/26/22 17:35
QC1008495	TCMX (PCB)	SVOA-GC06	A	08/26/22 17:35
QC1008495	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/26/22 17:35
QC1008496	Aroclor-1016	SVOA-GC06	A	08/26/22 17:52
QC1008496	Aroclor-1260	SVOA-GC06	A	08/26/22 17:52
QC1008496	TCMX (PCB)	SVOA-GC06	A	08/26/22 17:52
QC1008496	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/26/22 17:52

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	467767-001	Client ID:	220822-P-MEDBLANK
Seqnum:	452343556016	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_082622016	Batch:	295632	Time:	26-AUG-2022 18:10
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	28.95	ND	0.28	71%	1.0		u
Aroclor-1016 Peak # 1	A	48.63	0.97	0.17	142%			
Aroclor-1016 Peak # 2	A	3.497	0.07	0.30	123%			
Aroclor-1016 Peak # 3	A	3.768	0.08	0.63	157%			
Aroclor-1016 Peak # 4	A	2.590	0.05	0.26	135%			
Aroclor-1016 Peak # 5	A	86.29	1.73	0.02	195%			
Aroclor-1221	A		ND			1.0		u
Aroclor-1232	A		ND			1.0		u
Aroclor-1242	A		ND			1.0		u
Aroclor-1248	A		ND			1.0		u
Aroclor-1254	A		ND			1.0		u
Aroclor-1260	A	22.22	ND	0.12	116%	1.0		u
Aroclor-1260 Peak # 1	A	38.07	0.76	0.09	156%			
Aroclor-1260 Peak # 2	A	2.490	0.05	0.02	106%			
Aroclor-1260 Peak # 3	A	5.670	0.11	0.19	52%			
Aroclor-1260 Peak # 4	A	42.79	0.86	0.12	151%			
Aroclor-1260 Peak # 5	A	22.08	0.44	0.17	90%			
Aroclor-1262	A		ND			1.0		u
Aroclor-1268	A		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	39.34	1.000	0.7869	79	52-186	c+ u
Decachlorobiphenyl (PCB)	A	33.27	1.000	0.6654	67	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_082622002)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8218495	7402786	-9.93
1-bromo-2-nitrobenzene (PCB)	A	1919479	1492388	-22.25

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

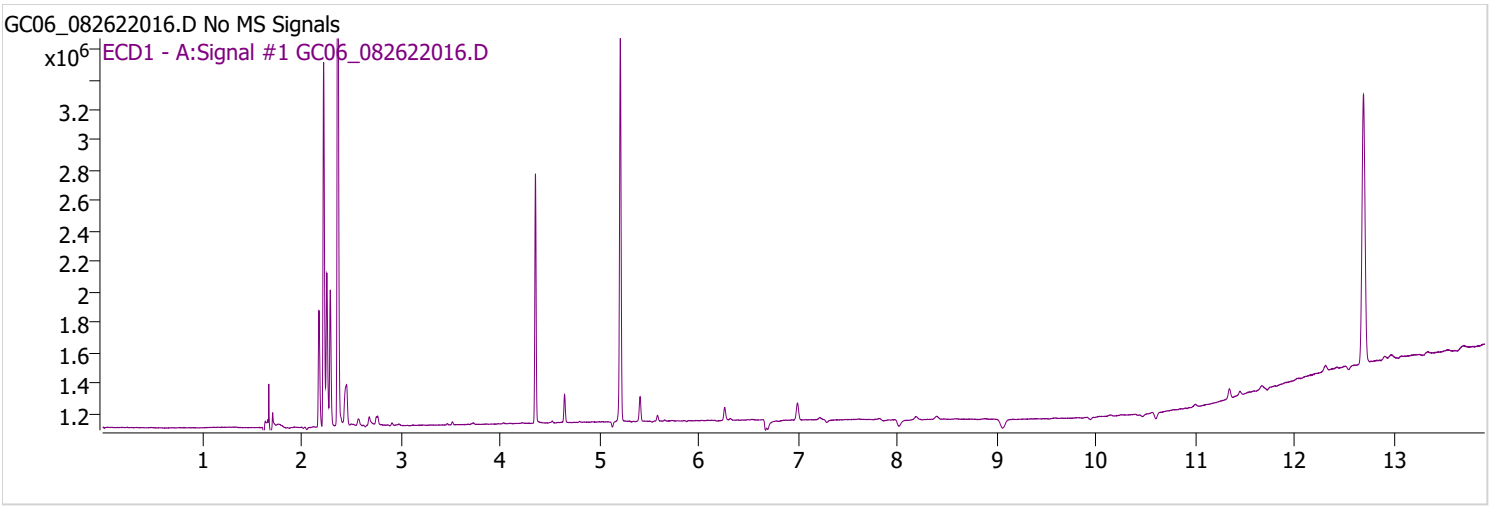
ISTD (CCV gc06_082622002)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.12	-0.01
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

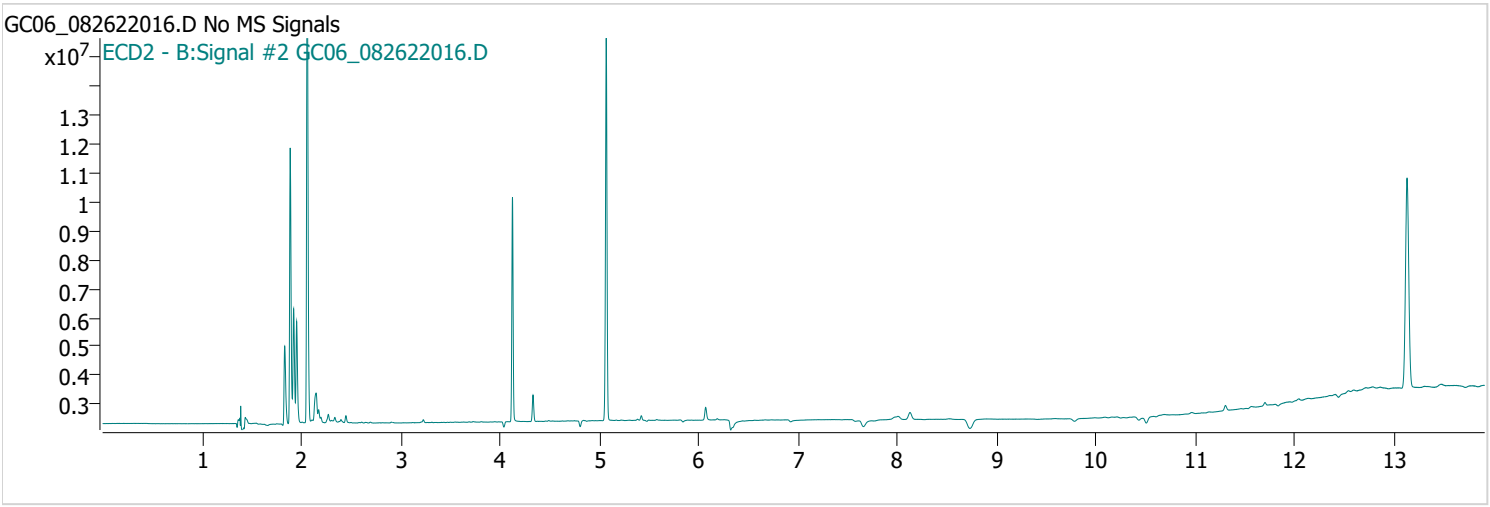
Analyst: TRN 08/26/22

Reviewer: SLL 08/29/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622016.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/26/2022 6:10:03 PM
Sample Name	467767-001, 295632, 1	Instrument	SVOA-GC06
Vial	6	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



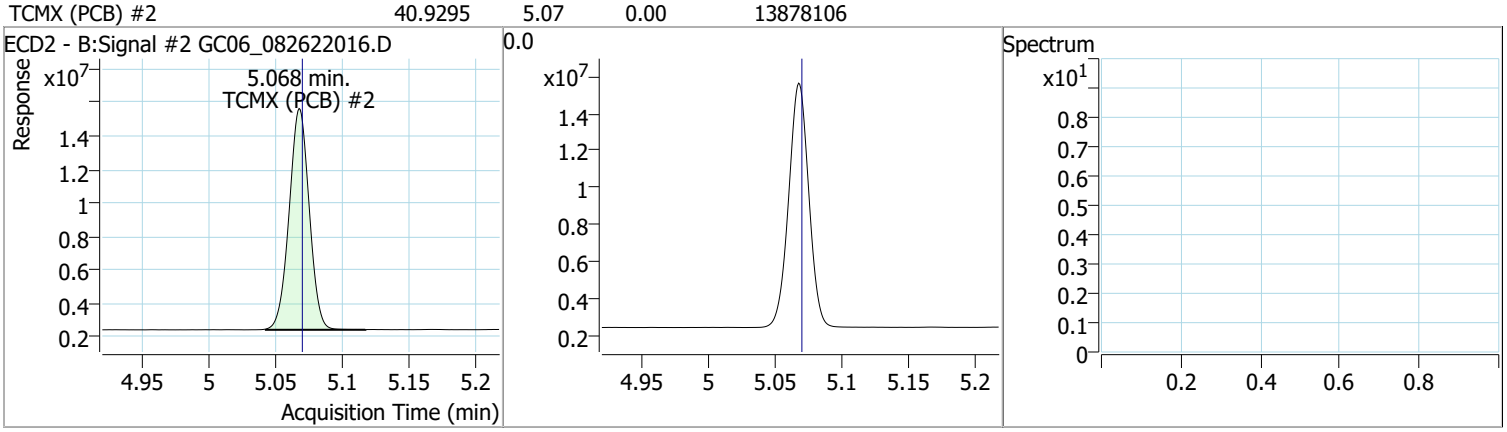


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.124	0.0	7402786.374	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB)	4.355	0.0	1492388.030	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB) #2	5.068	0.0	13878105.713	40.9295	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 204.65%		*	
S TCMX (PCB)	5.209	0.0	2823482.520	39.3328	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 196.66%		*	
S Decachlorobiphenyl (PCB)	12.687	0.0	3774543.678	33.2639	ng/ml		-0.019
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 166.32%		*	
S Decachlorobiphenyl (PCB) #2	13.126	0.0	16506797.244	36.9528	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 184.76%		*	
Target Compounds							QValue

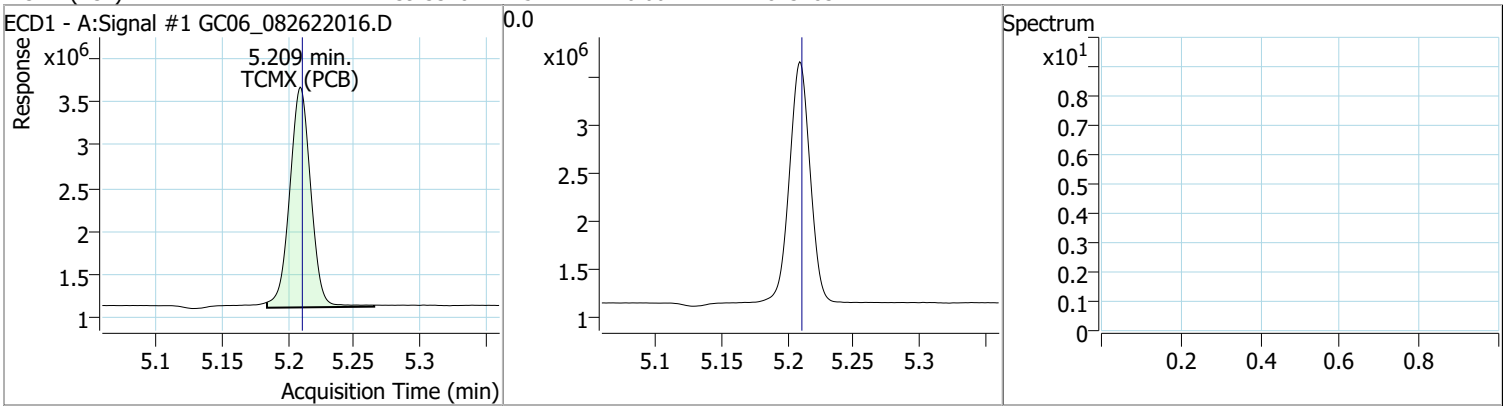
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.498	0.0	57323.854	8.2689	ng/ml	100
T AR1016 1	5.583	0.0	70967.462	48.6139	ng/ml	100
T AR1016 2 #2	5.923	0.0	212236.544	14.7523	ng/ml	100
T AR1016 2	5.900	0.0	11111.620	3.4958	ng/ml	100
T AR1016 3 #2	6.255	0.0	598348.009	31.5367	ng/ml	100
T AR1016 3	6.313	0.0	14092.914	3.7673	ng/ml	100
T AR1016 4	6.681	0.0	7249.553	2.5897	ng/ml	100
T AR1016 4 #2	6.564	0.0	170348.866	13.2341	ng/ml	100
T AR1016 5	6.993	0.0	186806.535	86.2655	ng/ml	100
T AR1016 5 #2	7.317	0.0	11099.077	1.1029	ng/ml	100
T AR1260 1	9.160	0.0	178759.421	38.0615	ng/ml	100
T AR1260 1 #2	9.586	0.0	104753.766	4.6754	ng/ml	100
T AR1260 2	9.593	0.0	18011.002	2.4898	ng/ml	100
T AR1260 2 #2	9.985	0.0	19709.451	0.7613	ng/ml	100
T AR1260 3	10.142	0.0	42626.736	5.6684	ng/ml	100
T AR1260 3 #2	10.462	0.0	337917.533	9.6074	ng/ml	100
T AR1260 4	10.563	0.0	159975.522	42.7745	ng/ml	100
T AR1260 4 #2	10.958	0.0	113824.555	5.9805	ng/ml	100
T AR1260 5	11.337	0.0	109284.494	22.0778	ng/ml	100
T AR1260 5 #2	11.696	0.0	233631.629	8.3261	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

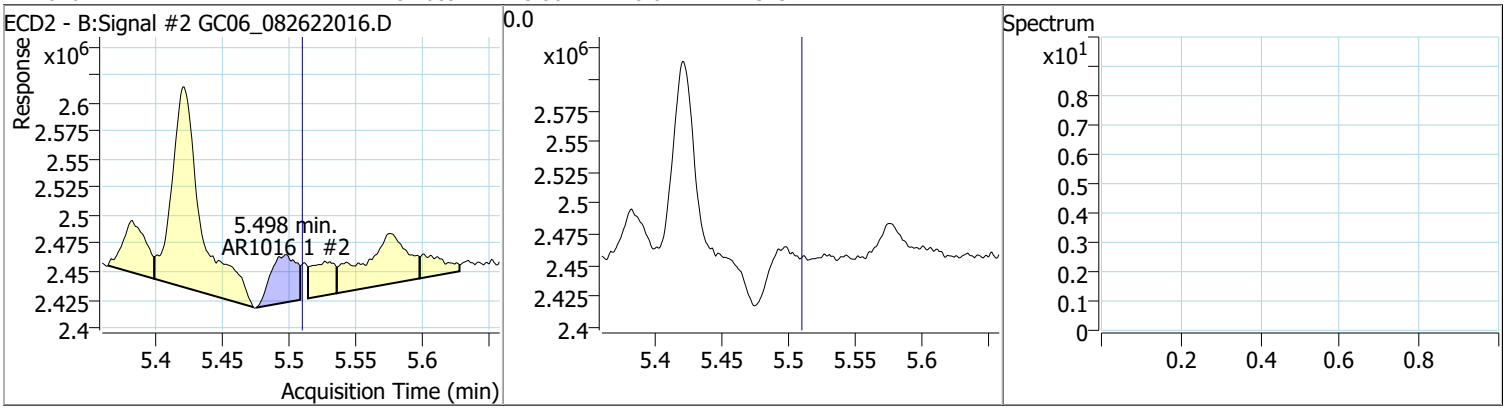
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	40.9295	5.07	0.00	13878106				



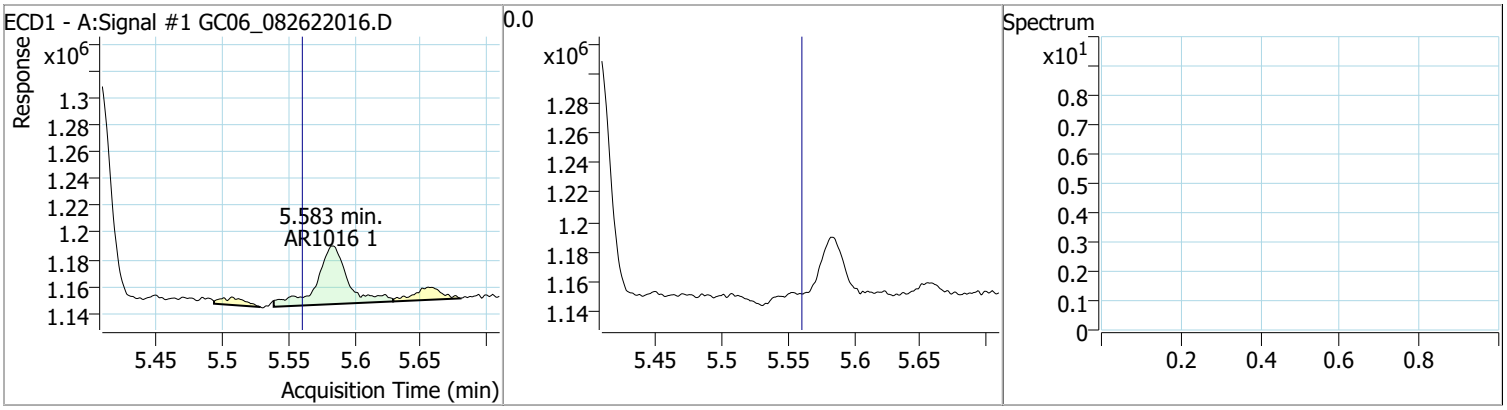
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.3328	5.21	0.00	2823483				



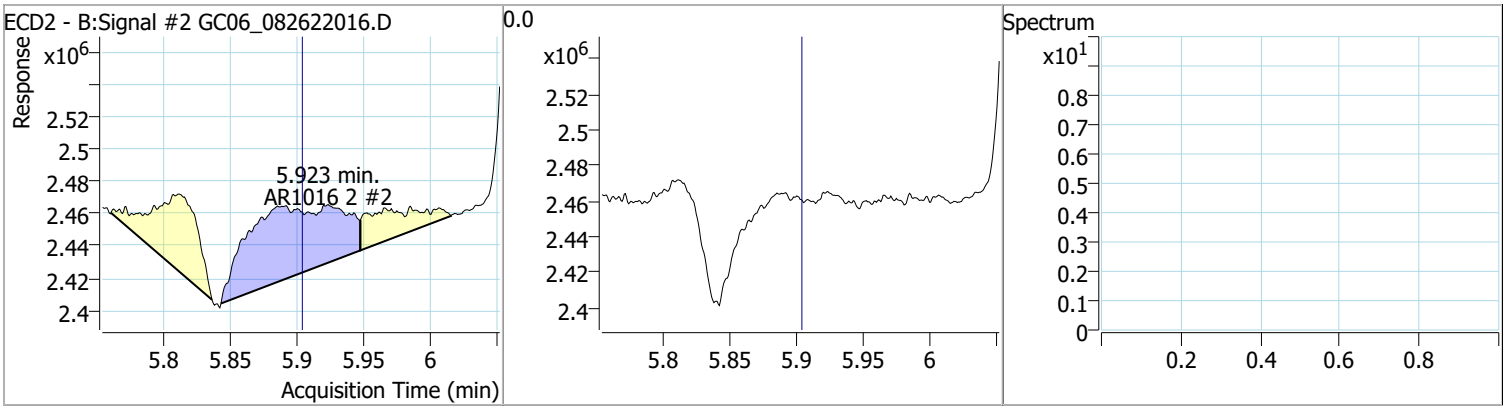
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	8.2689	5.50	-0.01	57324				



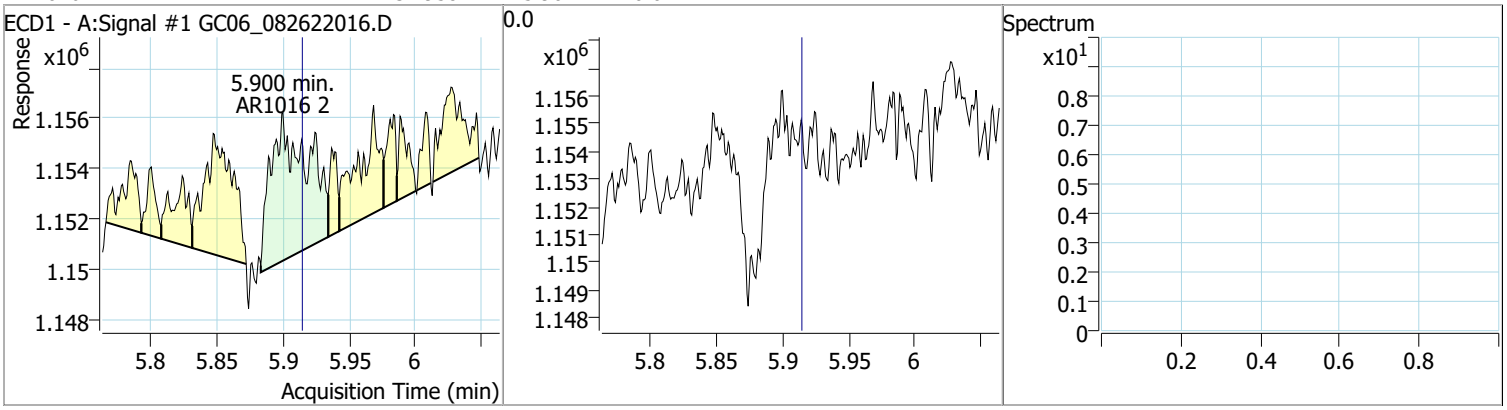
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	48.6139	5.58	0.02	70967				



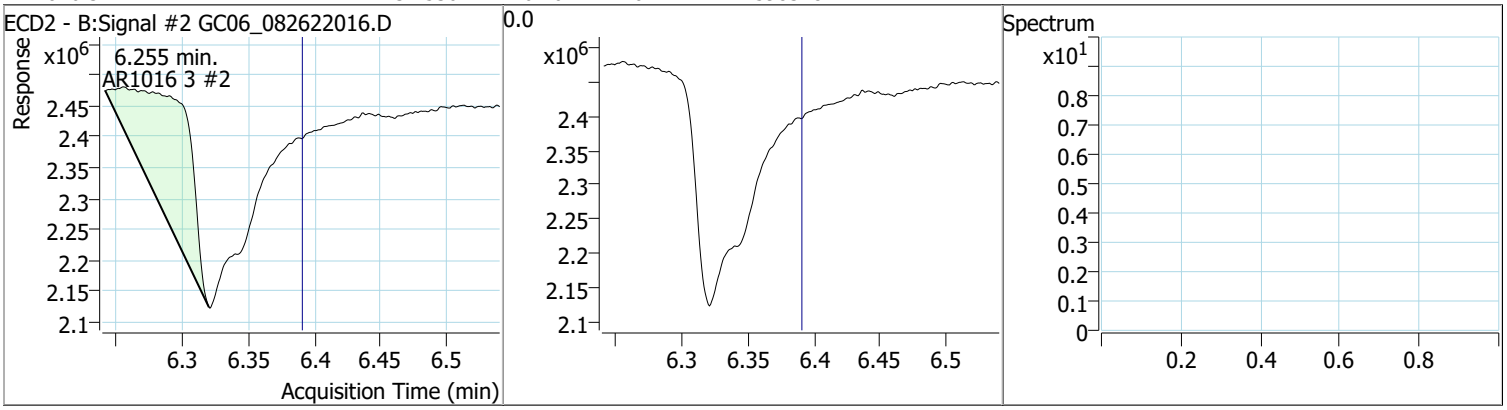
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	14.7523	5.92	0.02	212237				



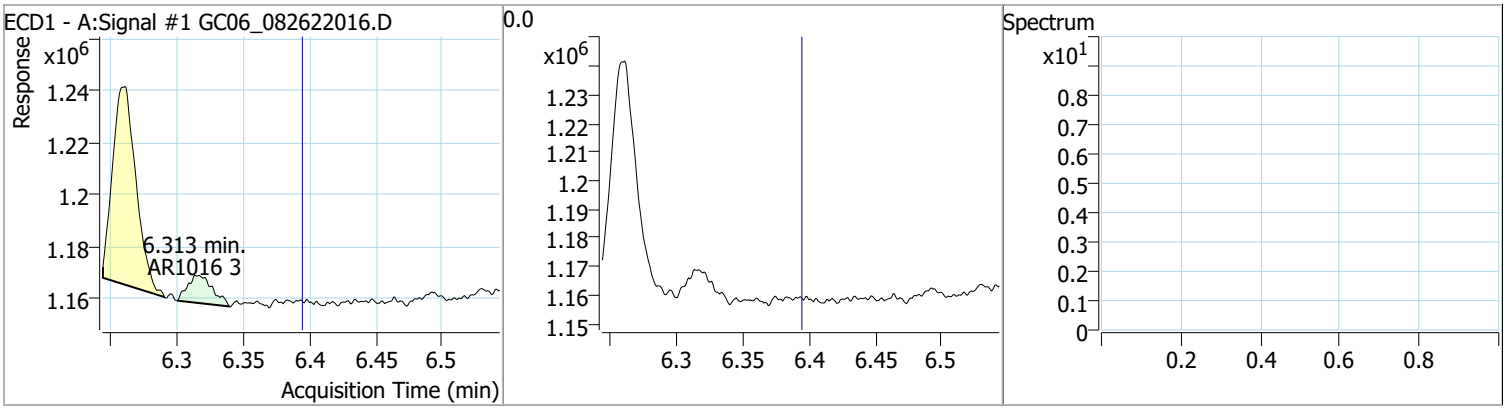
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	3.4958	5.90	-0.01	11112				



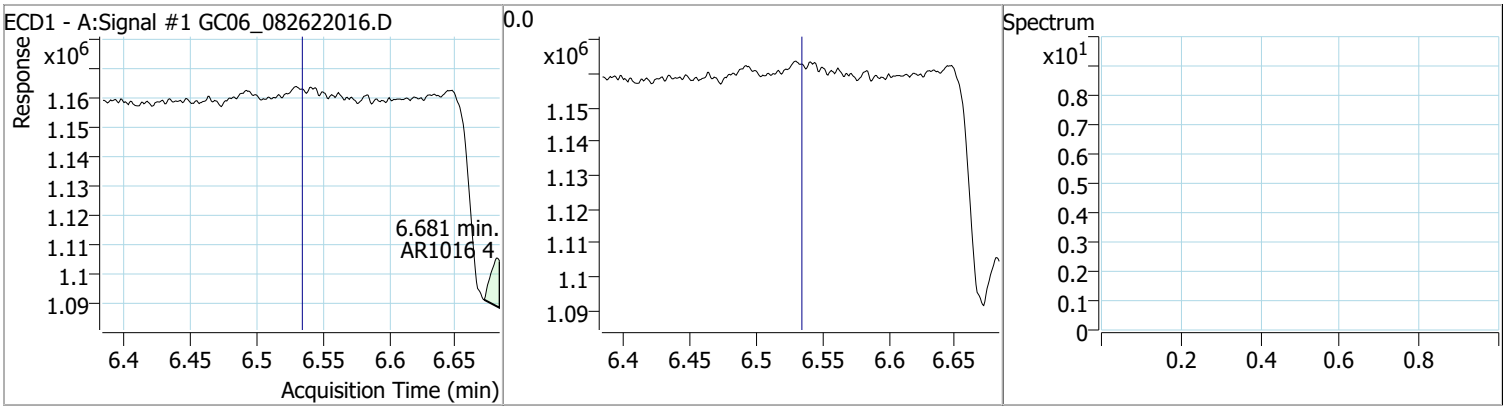
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	31.5367	6.26	-0.14	598348				



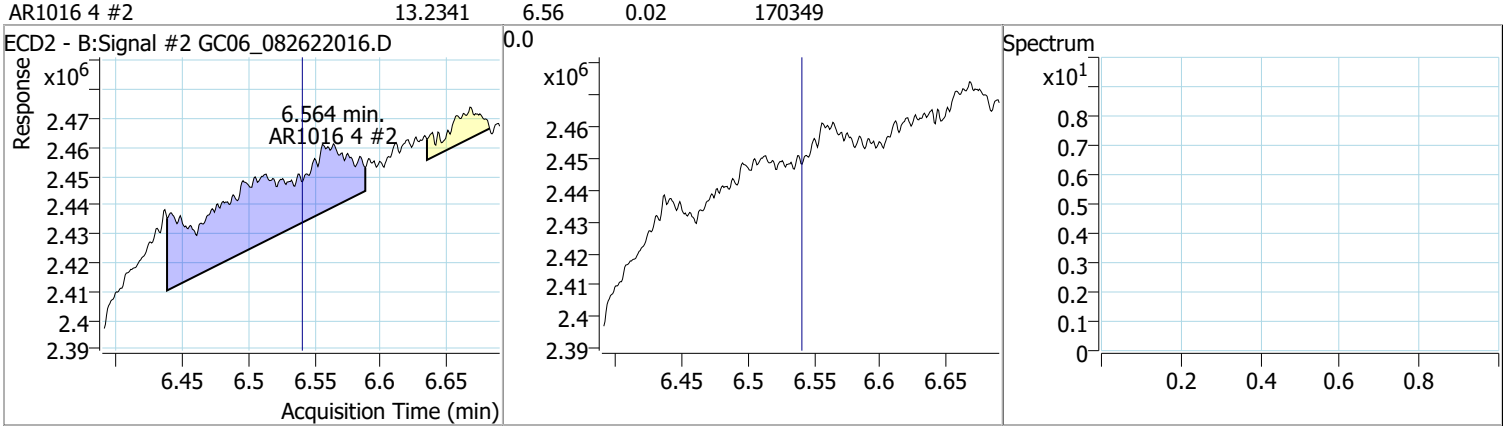
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	3.7673	6.31	-0.08	14093				



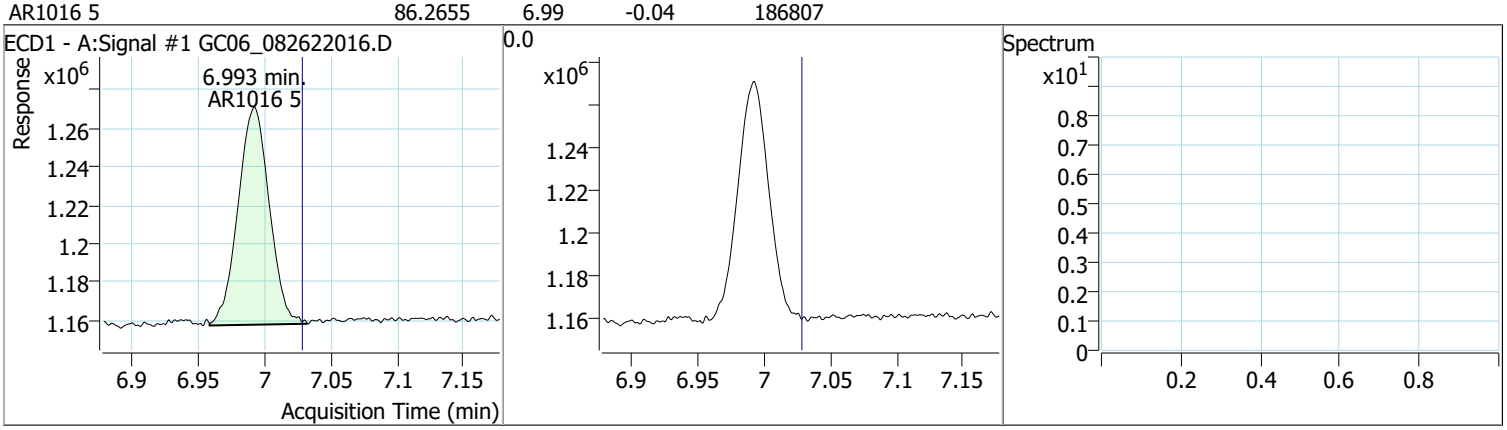
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	2.5897	6.68	0.15	7250				



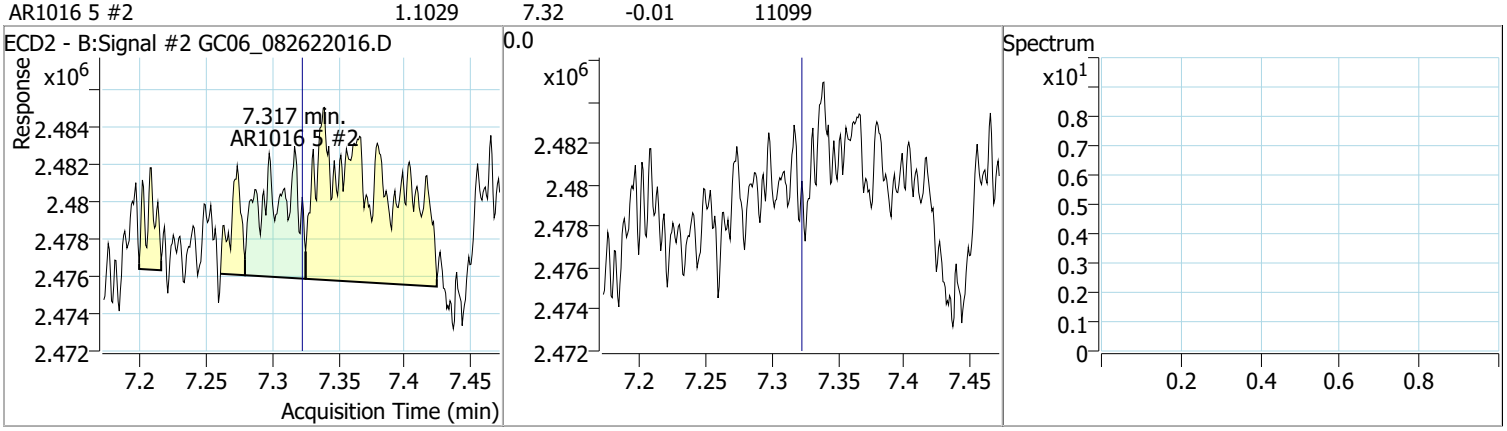
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	13.2341	6.56	0.02	170349				



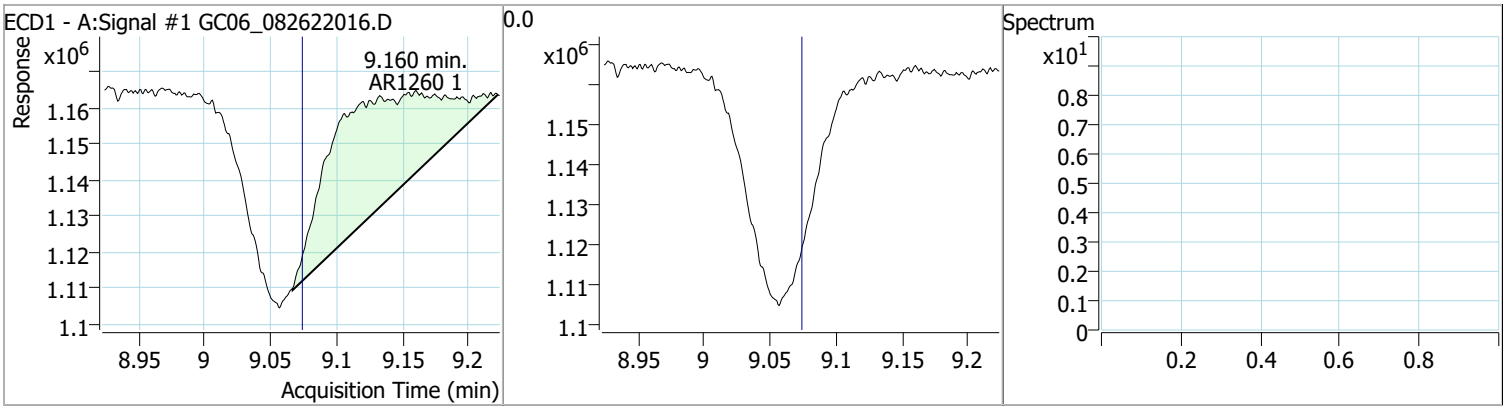
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	86.2655	6.99	-0.04	186807				



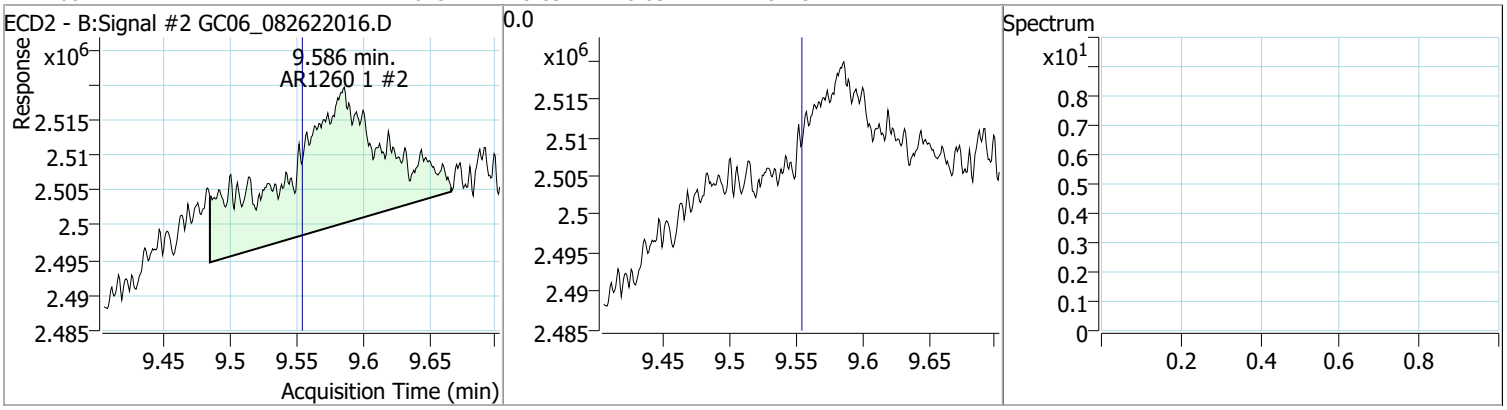
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.1029	7.32	-0.01	11099				



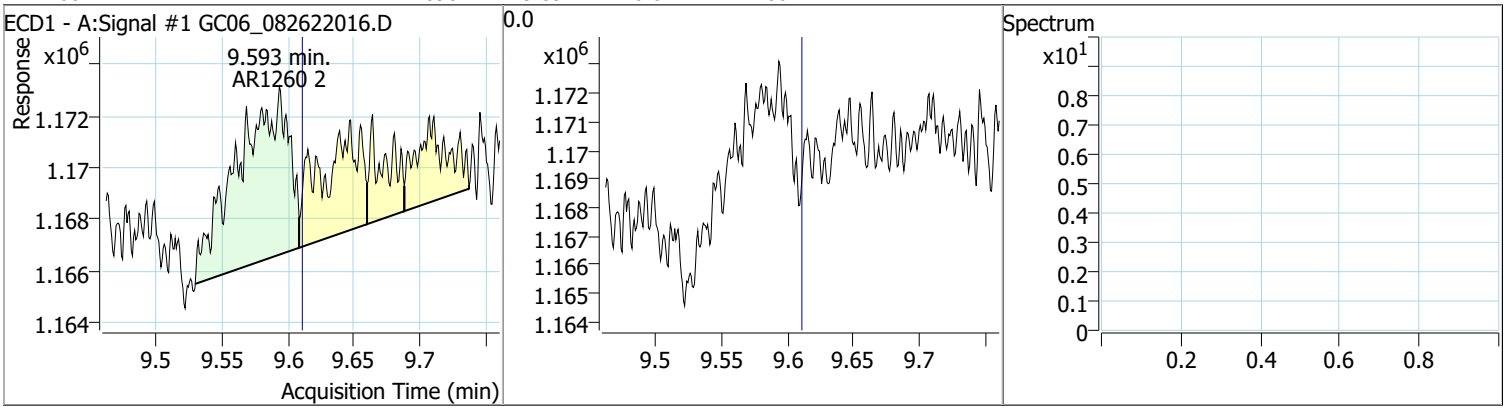
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	38.0615	9.16	0.09	178759				



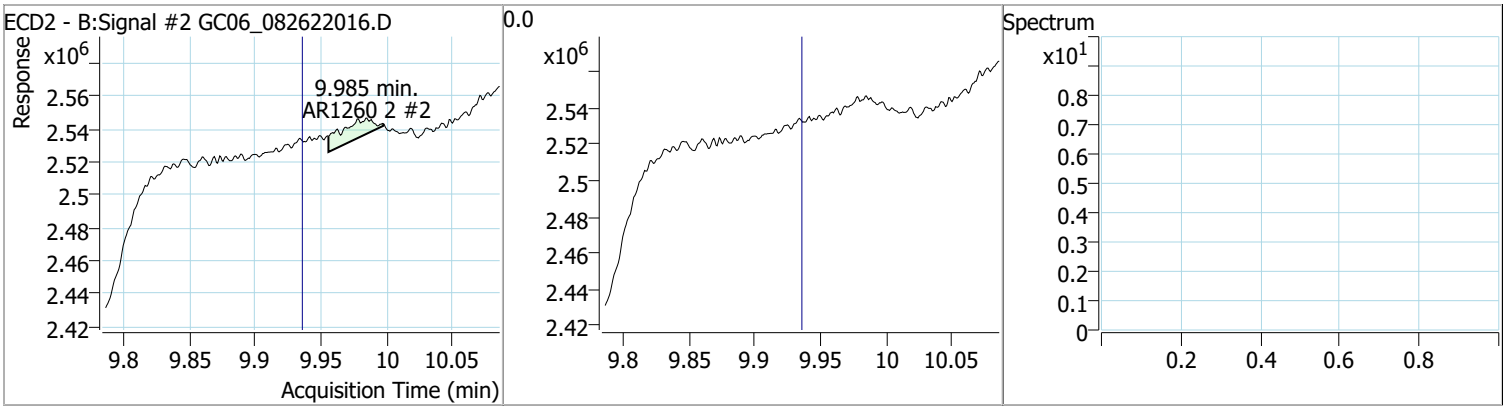
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	4.6754	9.59	0.03	104754				



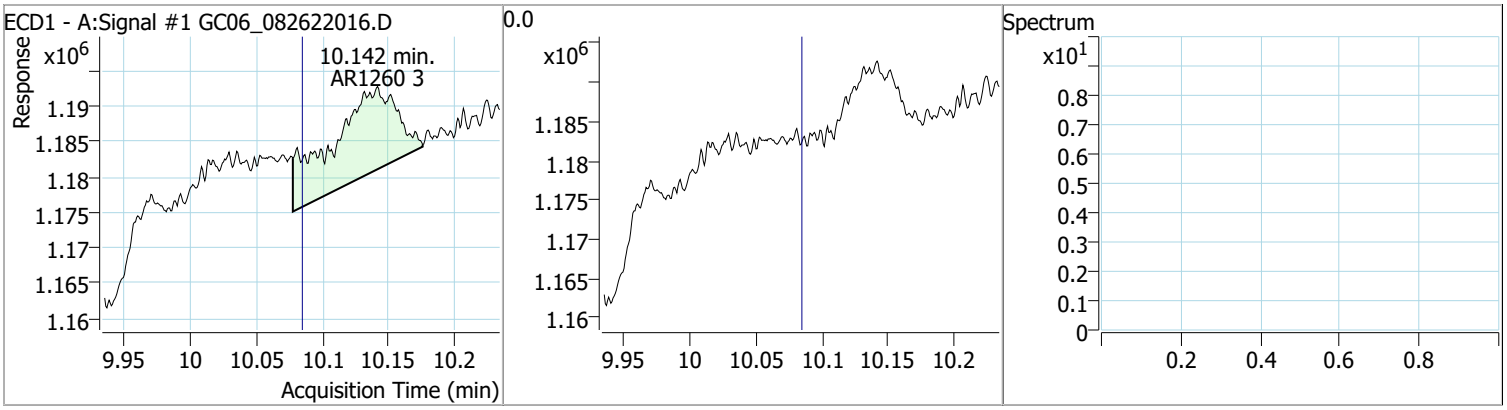
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2.4898	9.59	-0.02	18011				



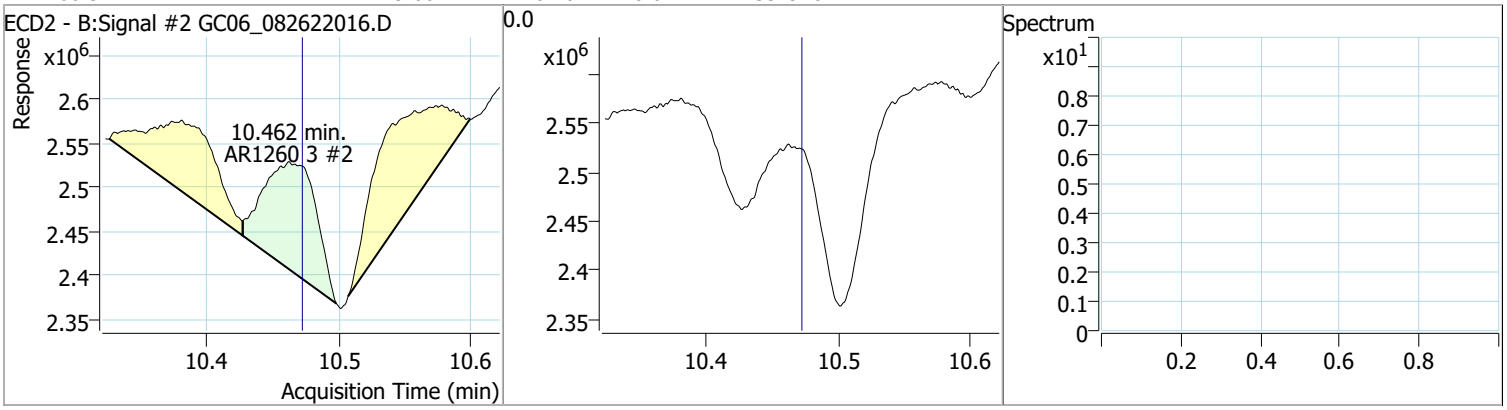
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	0.7613	9.99	0.05	19709				



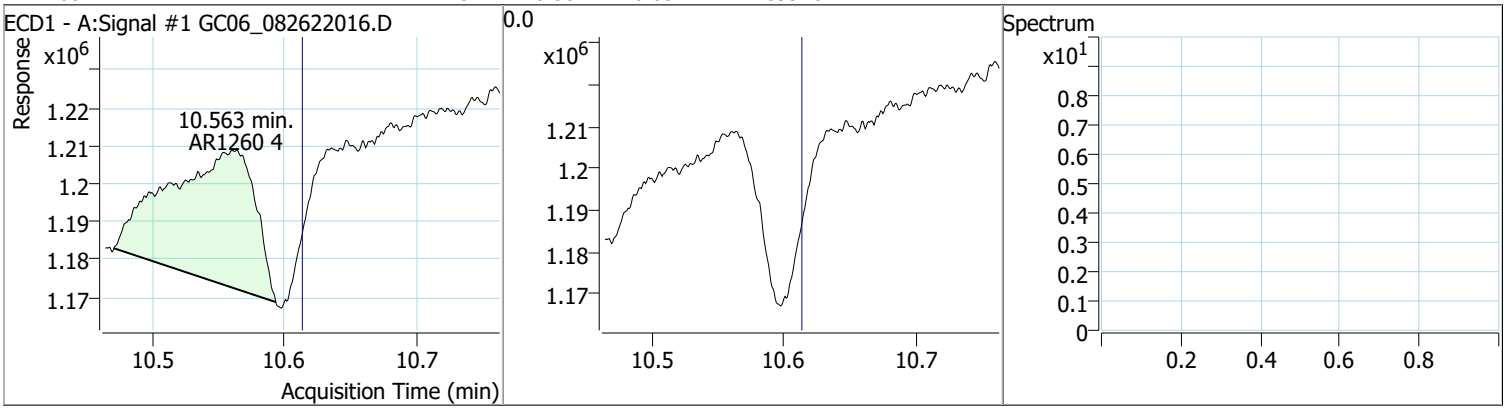
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	5.6684	10.14	0.06	42627				



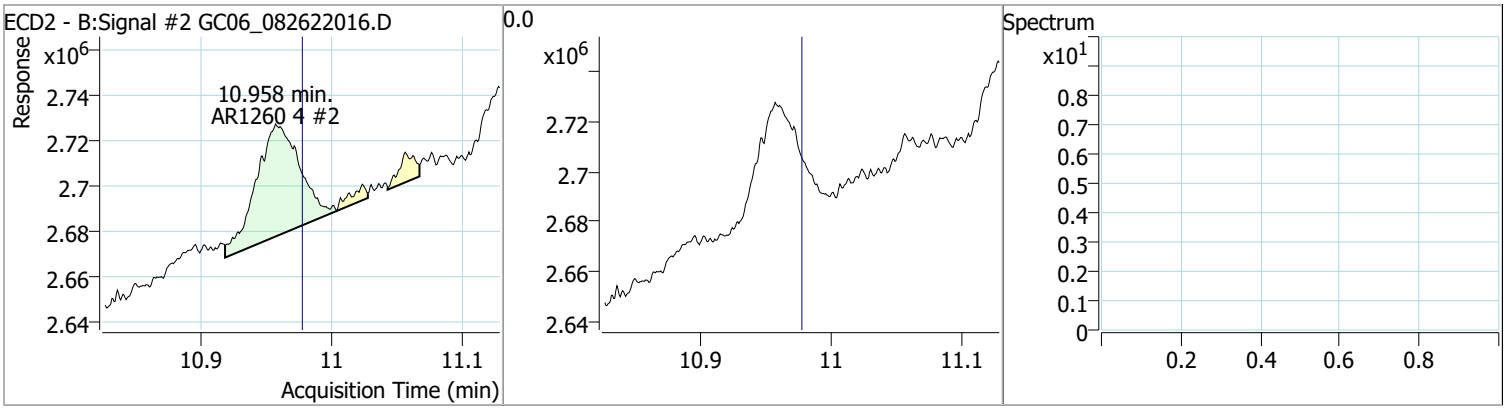
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	9.6074	10.46	-0.01	337918				



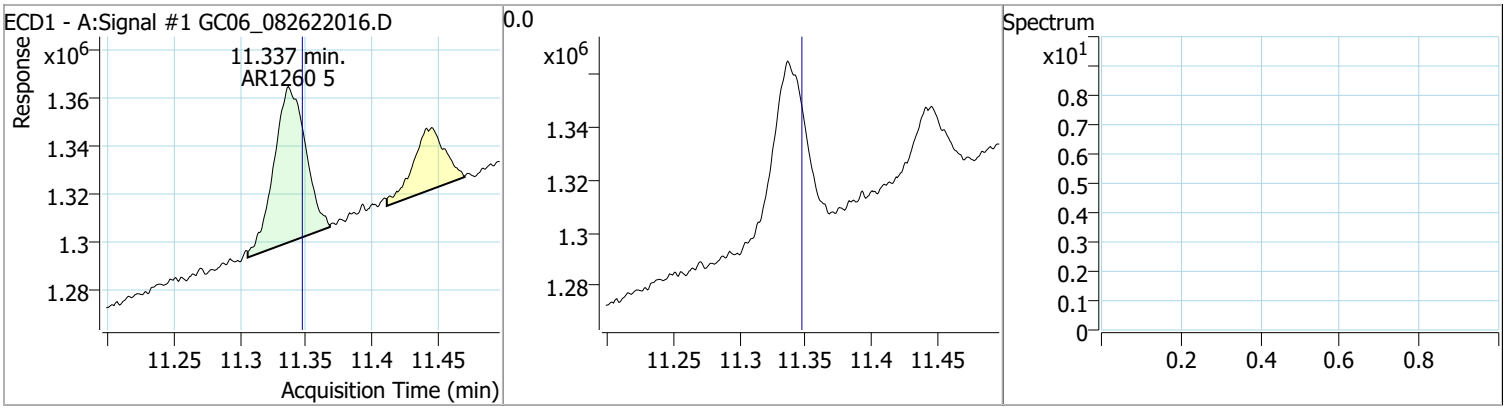
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	42.7745	10.56	-0.05	159976				



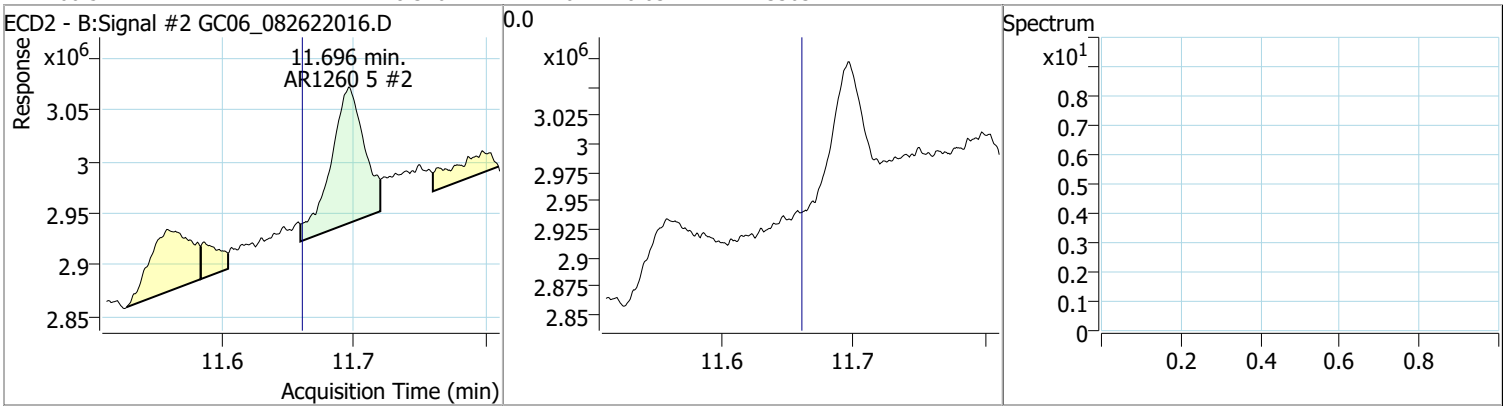
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	5.9805	10.96	-0.02	113825				



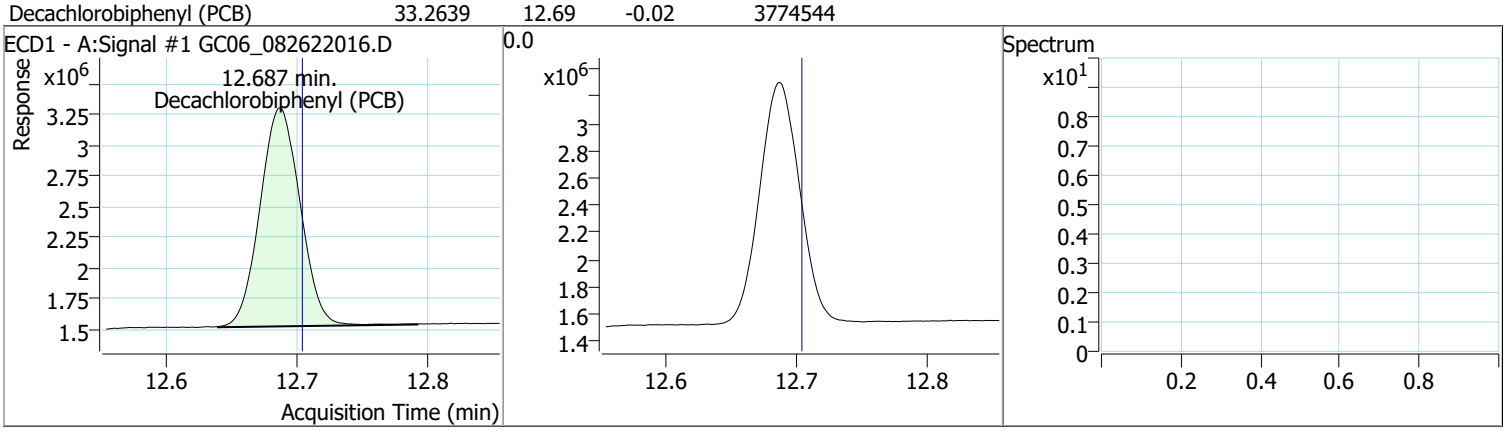
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	22.0778	11.34	-0.01	109284				



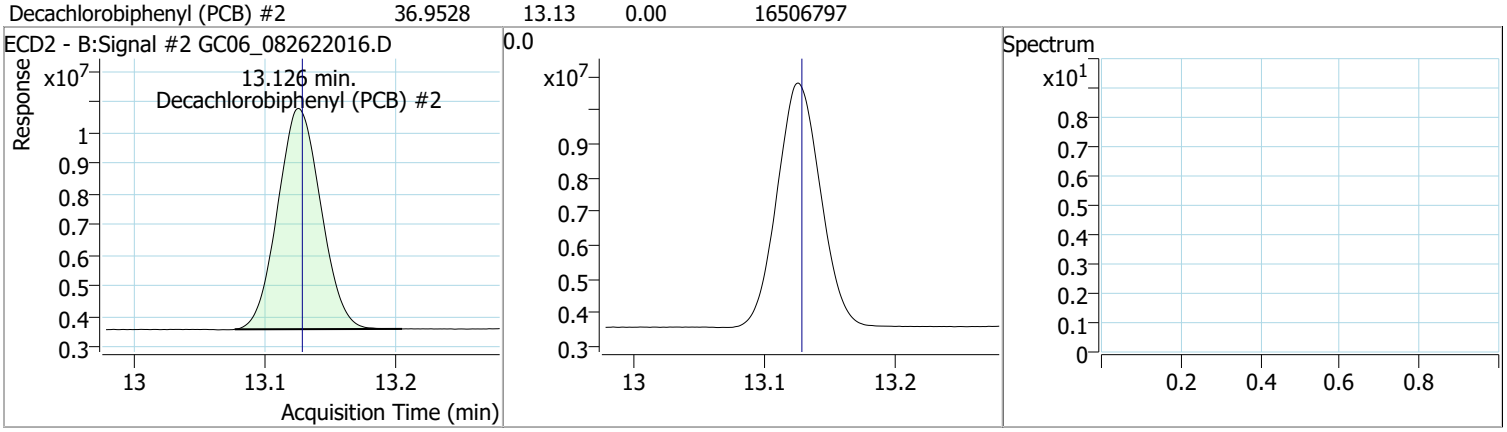
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	8.3261	11.70	0.03	233632				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	33.2639	12.69	-0.02	3774544				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	36.9528	13.13	0.00	16506797				



QC Raw Data

ENTHALPY BLANK USER REPORT FOR 467767 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Lab ID:	QC1008494		
Seqnum:	452343556013.1	Matrix:	Wipe		
File:	gc06_082622013	Batch:	295632	Time:	26-AUG-2022 17:17
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Flags
Aroclor-1016	A	22.15	ND	0.098	77%	0.50	u
Aroclor-1221	A		ND			0.50	u
Aroclor-1232	A		ND			0.50	u
Aroclor-1242	A		ND			0.50	u
Aroclor-1248	A		ND			0.50	u
Aroclor-1254	A		ND			0.50	u
Aroclor-1260	A	12.95	ND	0.10	23%	0.50	u
Aroclor-1262	A		ND			0.50	u
Aroclor-1268	A		ND			0.50	u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	46.11	0.5000	0.4611	92	52-186	c+ u
Decachlorobiphenyl (PCB)	A	36.94	0.5000	0.3694	74	60-140	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_082622002)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8218495	10776439	31.12
1-bromo-2-nitrobenzene (PCB)	A	1919479	2035190	6.03

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

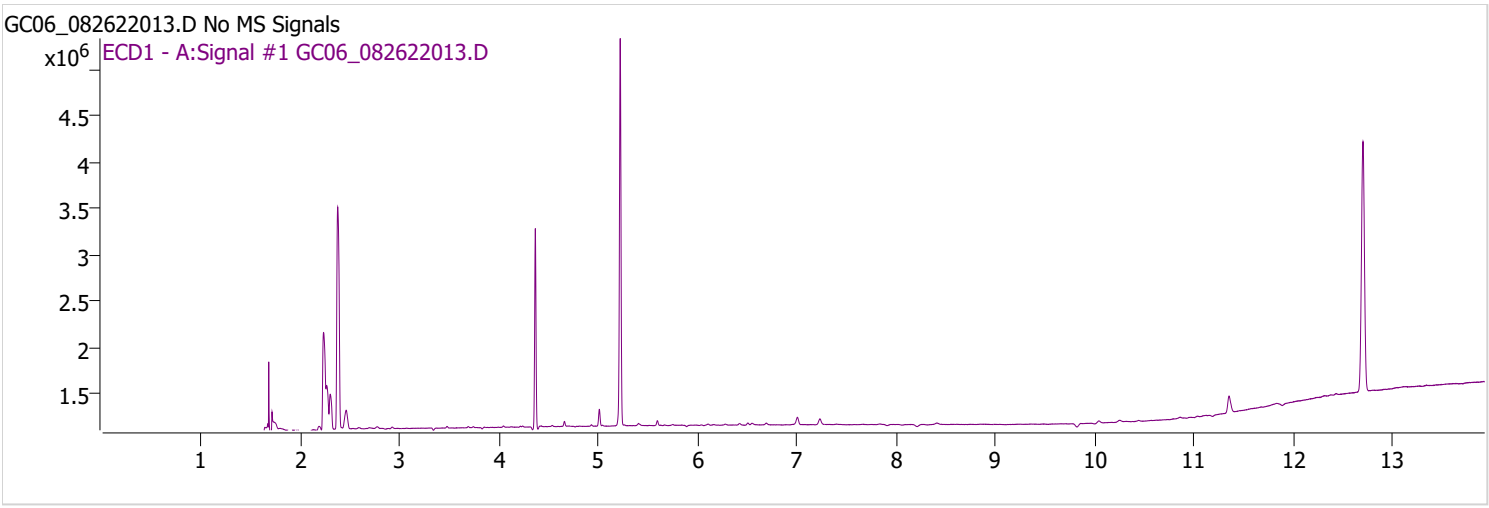
ISTD (CCV gc06_082622002)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.13	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

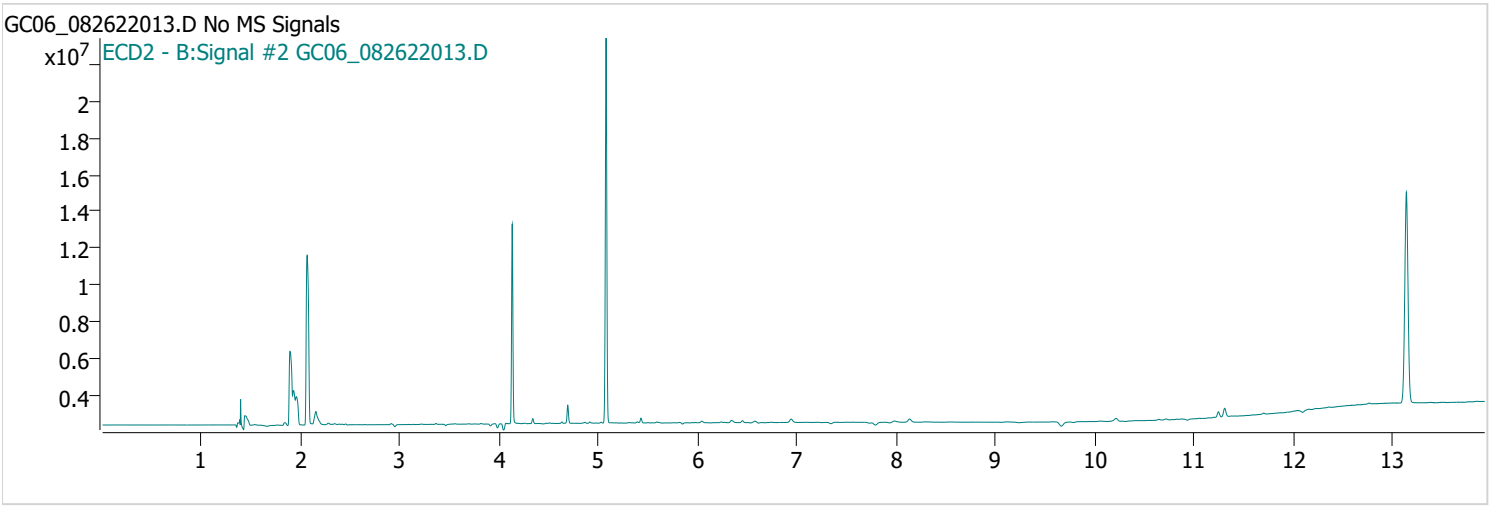
+=high bias c=CCV u=use

Analyst: TRN 08/29/22 **Reviewer:** SLL 08/29/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622013.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/26/2022 5:17:47 PM
Sample Name	QC1008494, 295632, 1	Instrument	SVOA-GC06
Vial	3	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



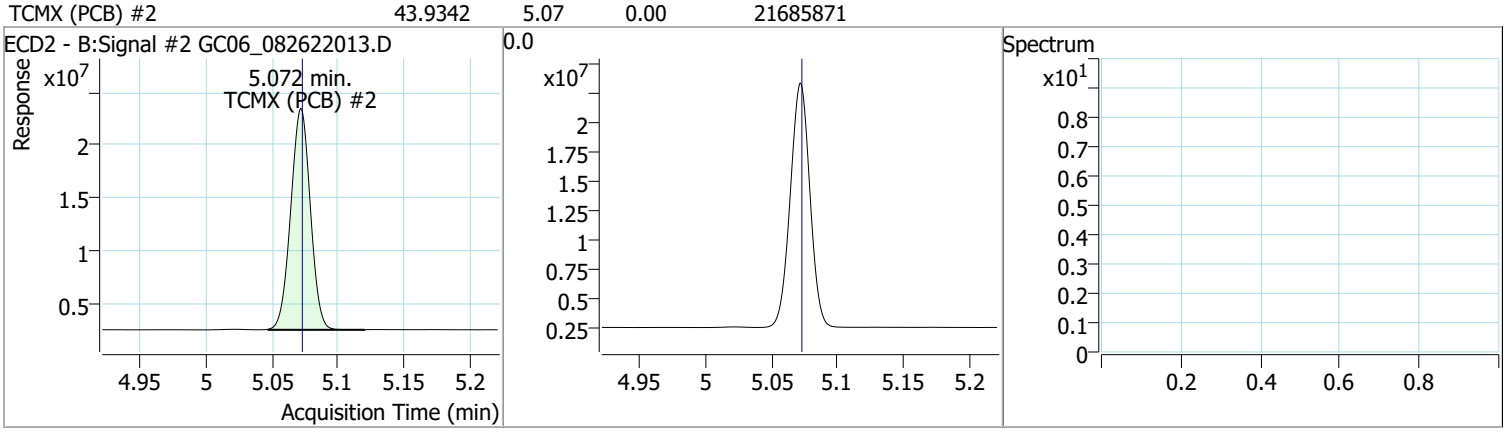


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.127	0.0	10776439.157	20.0000	ng/ml		0.002
M 1-bromo-2-nitrobenzene (PCB)	4.359	0.0	2035190.361	20.0000	ng/ml		0.003
System Monitoring Compounds							
S TCMX (PCB) #2	5.072	0.0	21685870.620	43.9342	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 219.67%		*	
S TCMX (PCB)	5.214	0.0	4512354.527	46.0946	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 230.47%		*	
S Decachlorobiphenyl (PCB)	12.697	0.0	5714684.403	36.9299	ng/ml		-0.009
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 184.65%		*	
S Decachlorobiphenyl (PCB) #2	13.133	0.0	26051940.607	40.0631	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 200.32%		*	
Target Compounds							QValue

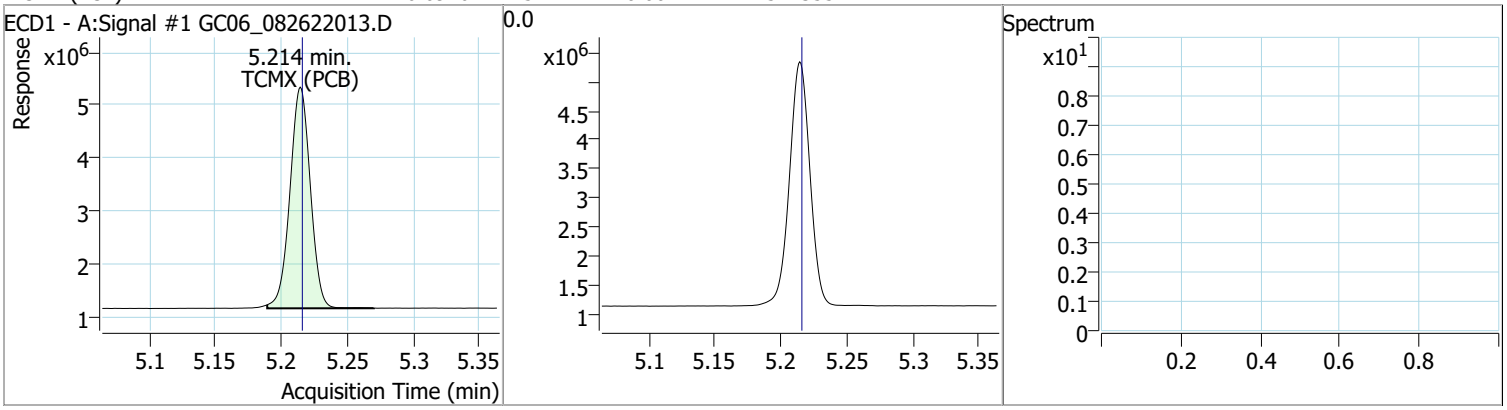
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.495	0.0	29841.819	2.9570	ng/ml	100
T AR1016 1	5.588	0.0	67375.033	33.8436	ng/ml	100
T AR1016 2 #2	5.971	0.0	278587.152	13.3022	ng/ml	100
T AR1016 2	5.832	0.0	36911.988	8.5156	ng/ml	100
T AR1016 3 #2	6.447	0.0	242956.791	8.7965	ng/ml	100
T AR1016 3	6.417	0.0	32184.252	6.3088	ng/ml	100
T AR1016 4	6.541	0.0	43649.254	11.4336	ng/ml	100
T AR1016 4 #2	6.572	0.0	241204.749	12.8724	ng/ml	100
T AR1016 5	6.998	0.0	149448.159	50.6072	ng/ml	100
T AR1016 5 #2	7.295	0.0	160523.223	10.9573	ng/ml	100
T AR1260 1	9.070	0.0	2695.846	0.4209	ng/ml	100
T AR1260 1 #2	9.579	0.0	1379085.786	42.2826	ng/ml	100
T AR1260 2	9.664	0.0	1540.640	0.1562	ng/ml	100
T AR1260 2 #2	10.053	0.0	44577.893	1.1829	ng/ml	100
T AR1260 3	10.036	0.0	65005.600	6.3388	ng/ml	100
T AR1260 3 #2	10.451	0.0	70787.974	1.3825	ng/ml	100
T AR1260 4	10.616	0.0	4952.980	0.9711	ng/ml	100
T AR1260 4 #2	10.873	0.0	117818.494	4.2524	ng/ml	100
T AR1260 5	11.348	0.0	383654.215	56.8347	ng/ml	100
T AR1260 5 #2	11.697	0.0	93305.551	2.2842	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

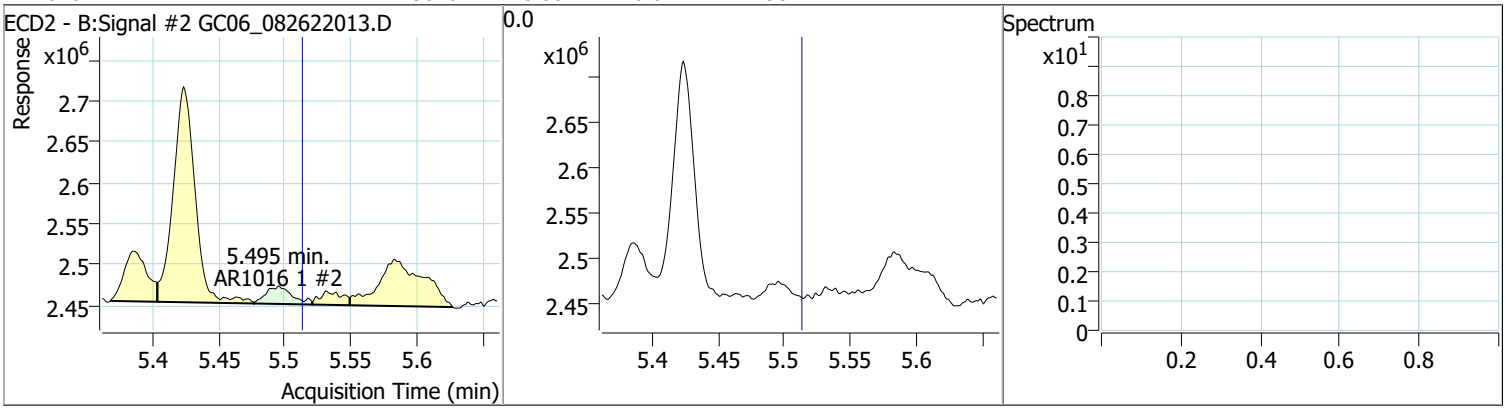
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	43.9342	5.07	0.00	21685871				



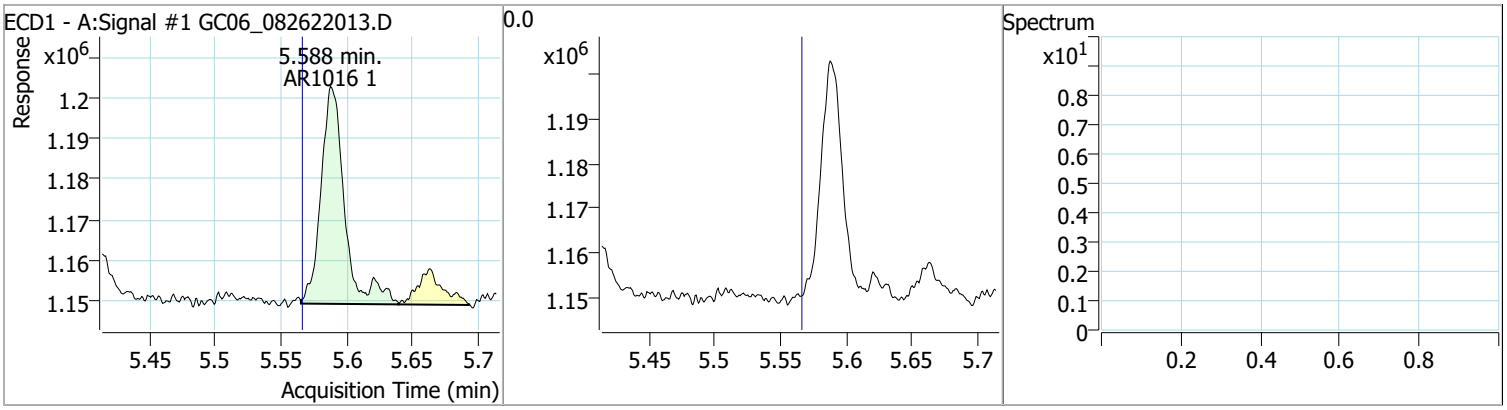
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	46.0946	5.21	0.00	4512355				



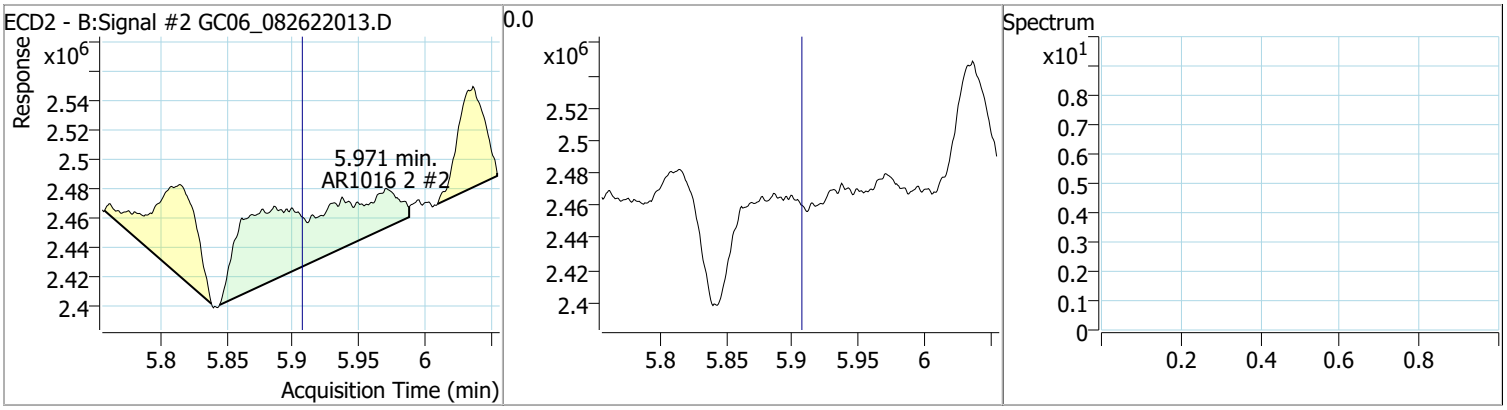
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	2.9570	5.50	-0.01	29842				



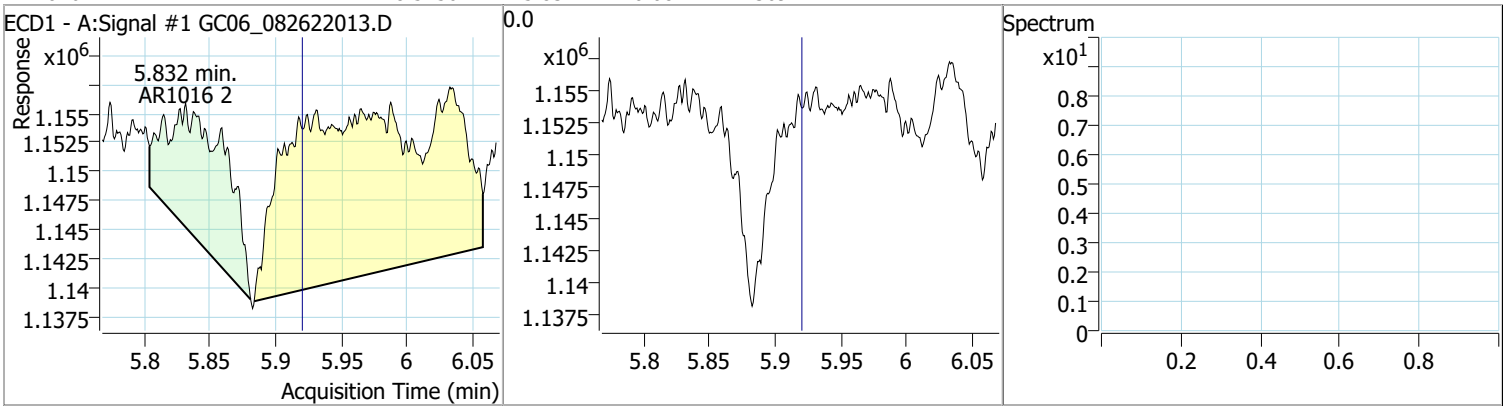
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	33.8436	5.59	0.03	67375				



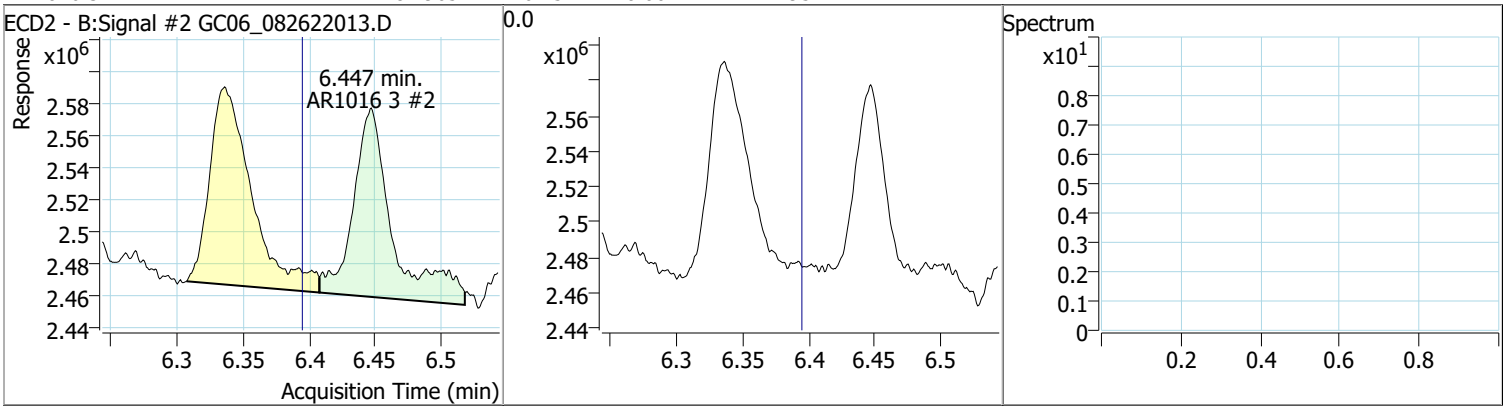
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	13.3022	5.97	0.07	278587				



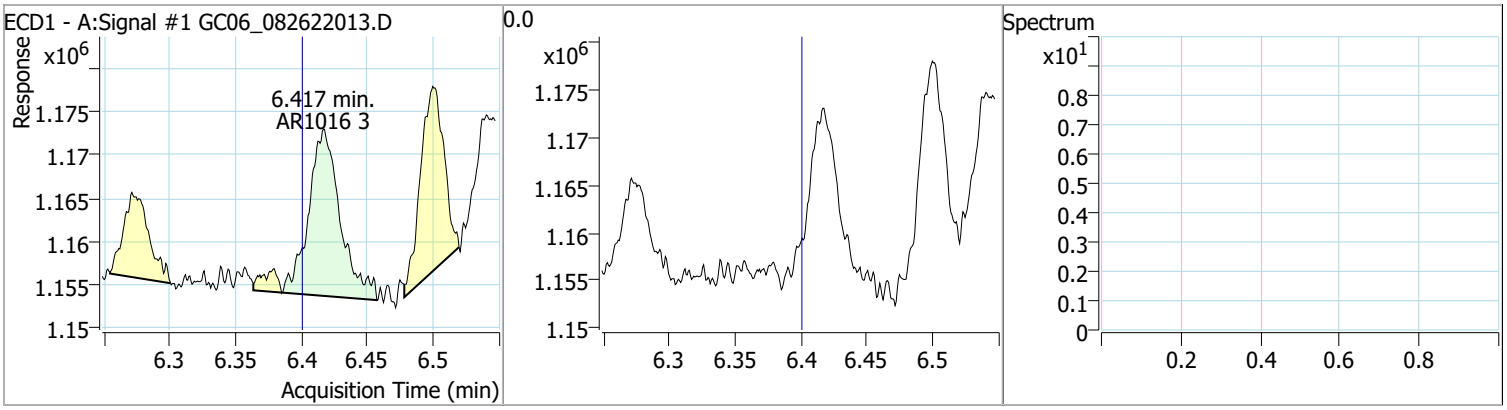
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	8.5156	5.83	-0.08	36912				



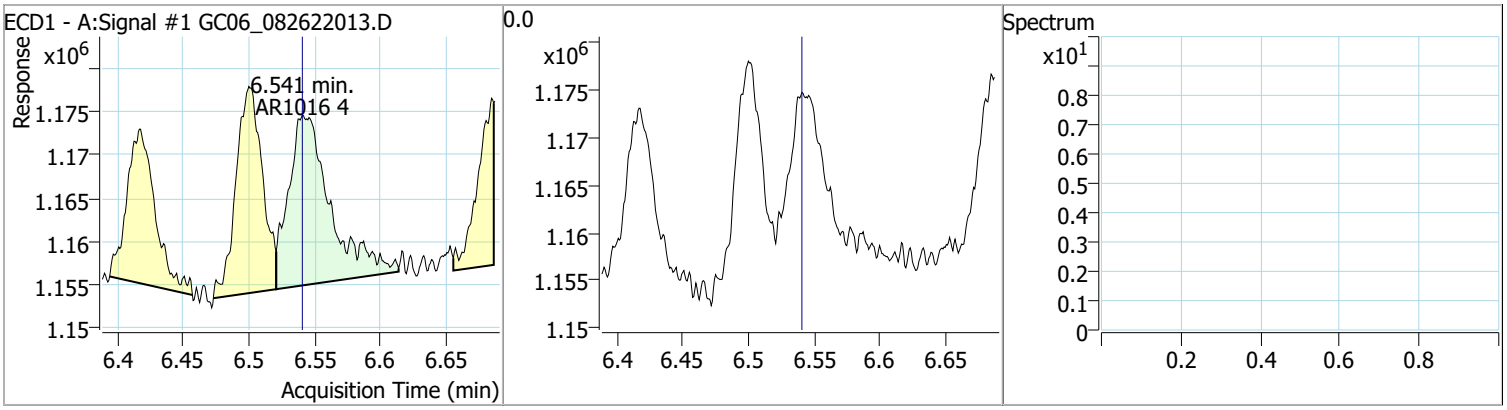
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	8.7965	6.45	0.06	242957				



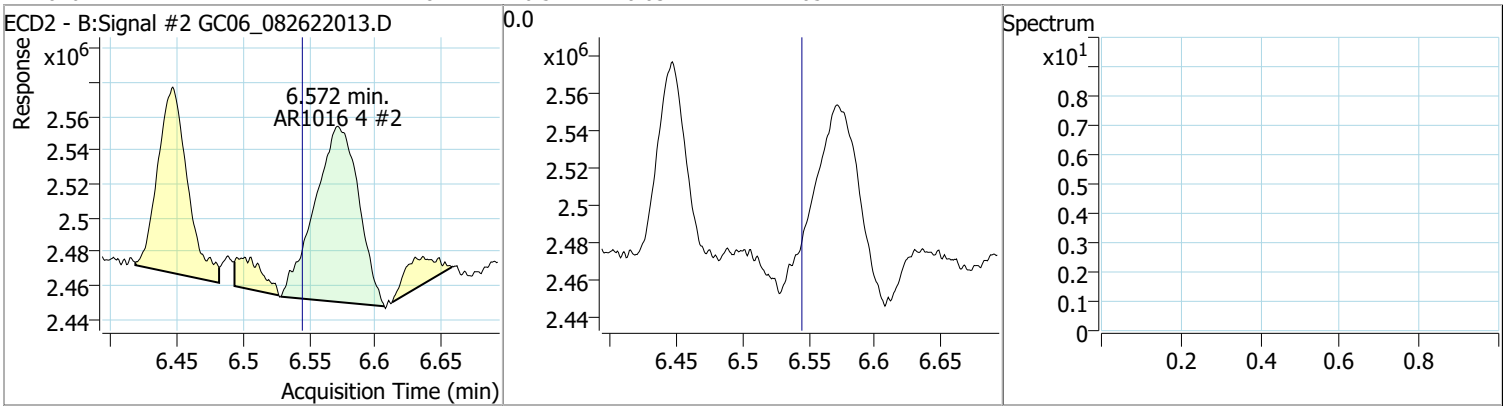
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	6.3088	6.42	0.02	32184				



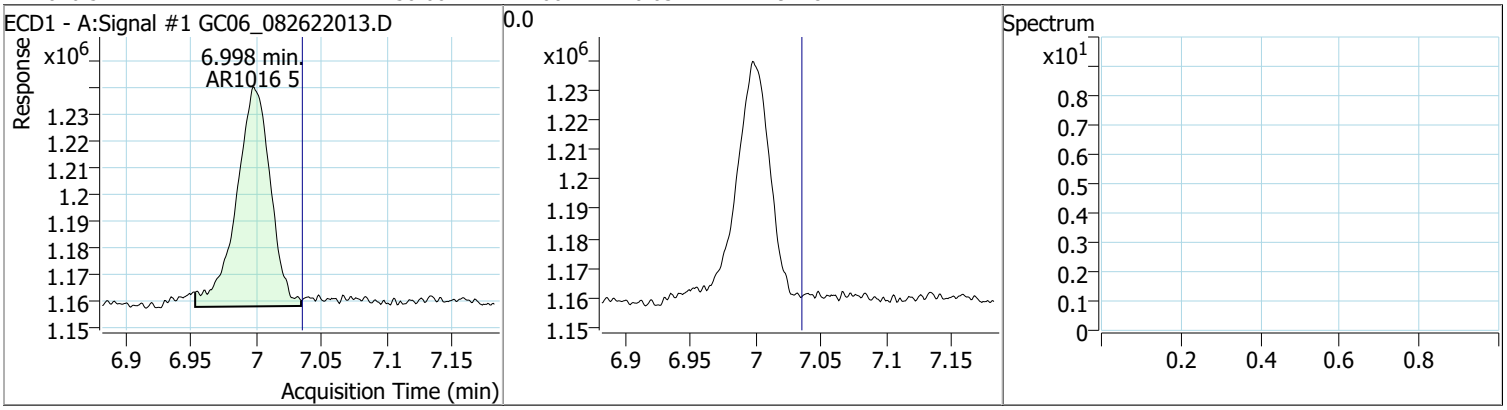
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	11.4336	6.54	0.01	43649				



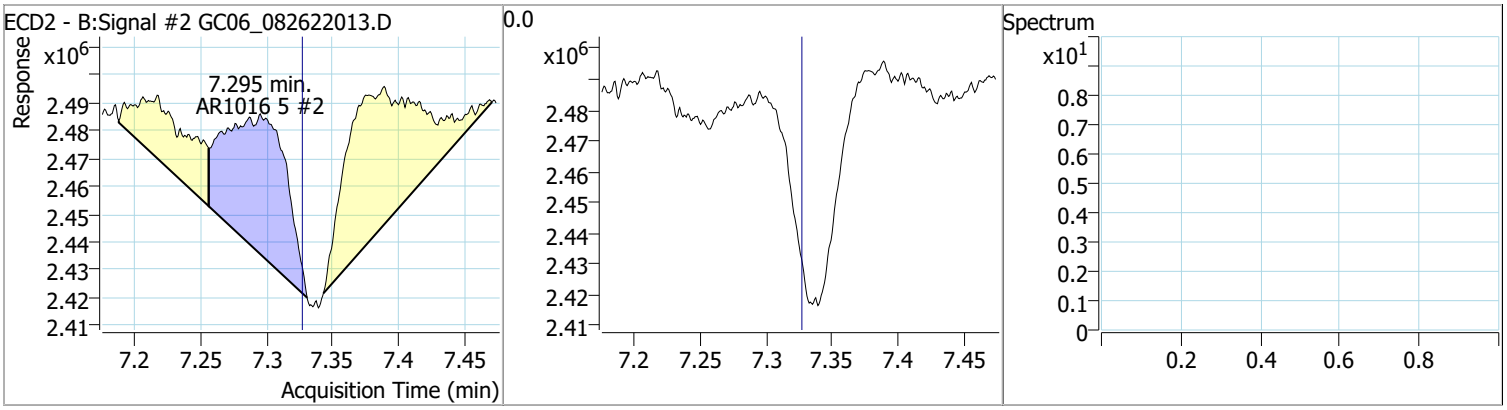
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	12.8724	6.57	0.03	241205				



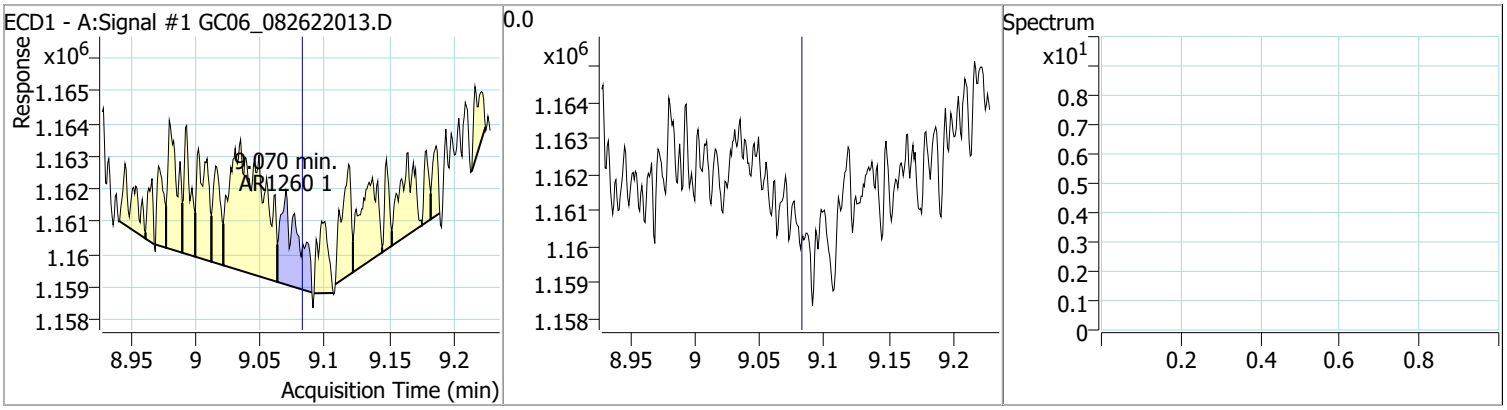
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	50.6072	7.00	-0.03	149448				



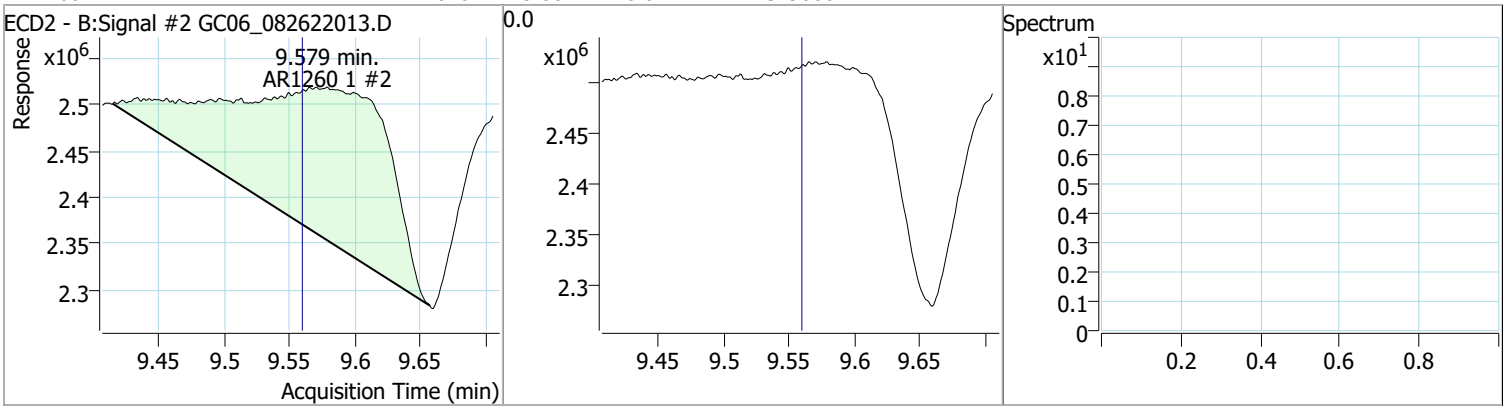
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	10.9573	7.30	-0.03	160523				



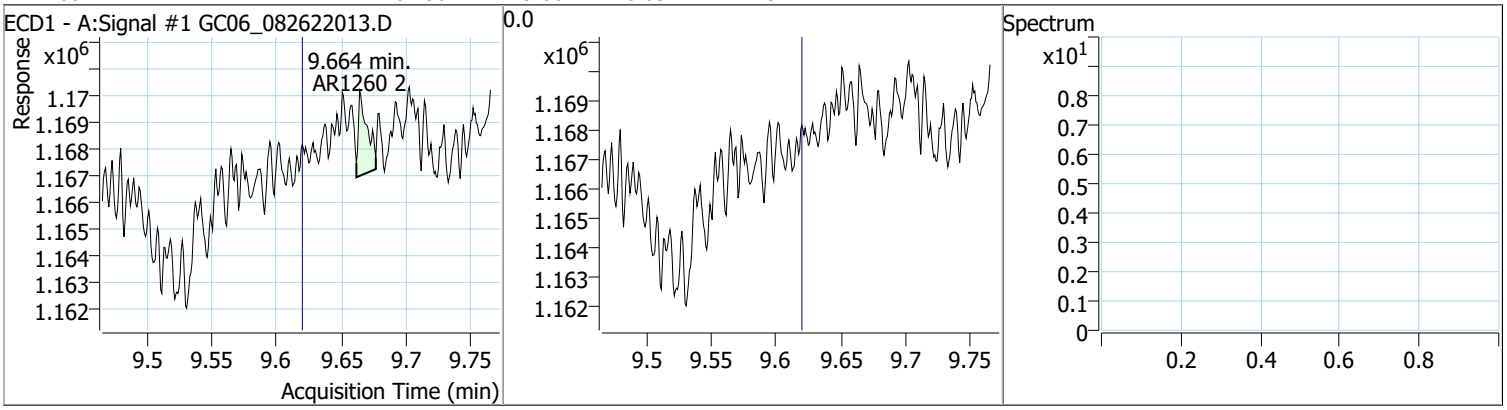
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	0.4209	9.07	0.00	2696				



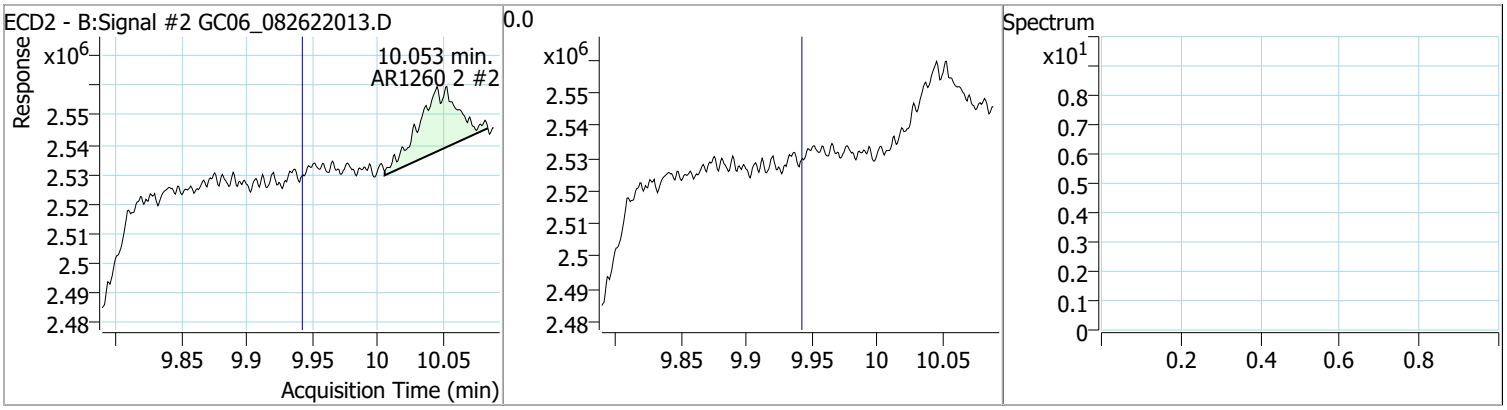
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	42.2826	9.58	0.02	1379086				



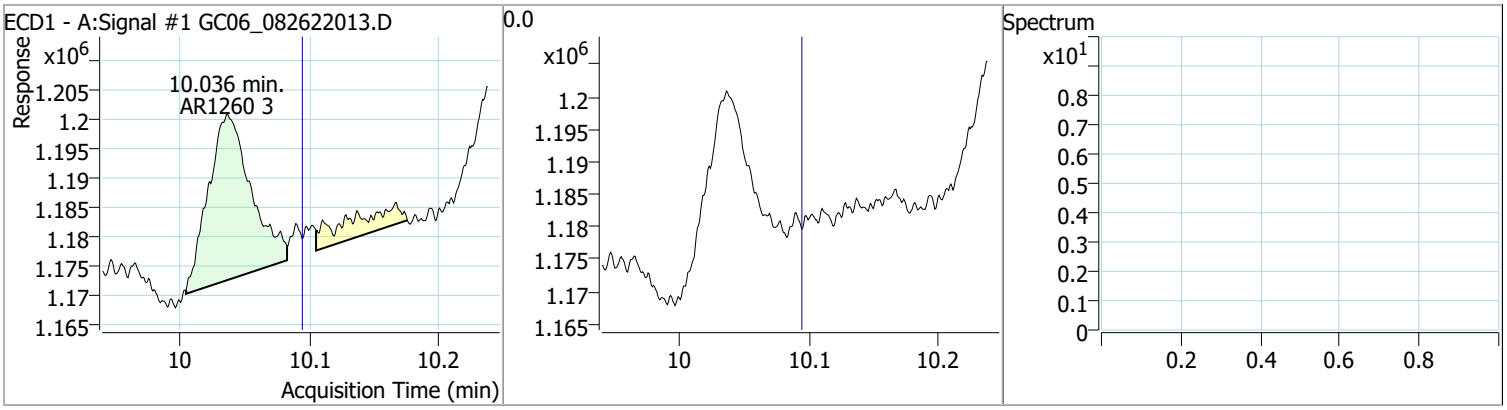
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.1562	9.66	0.05	1541				



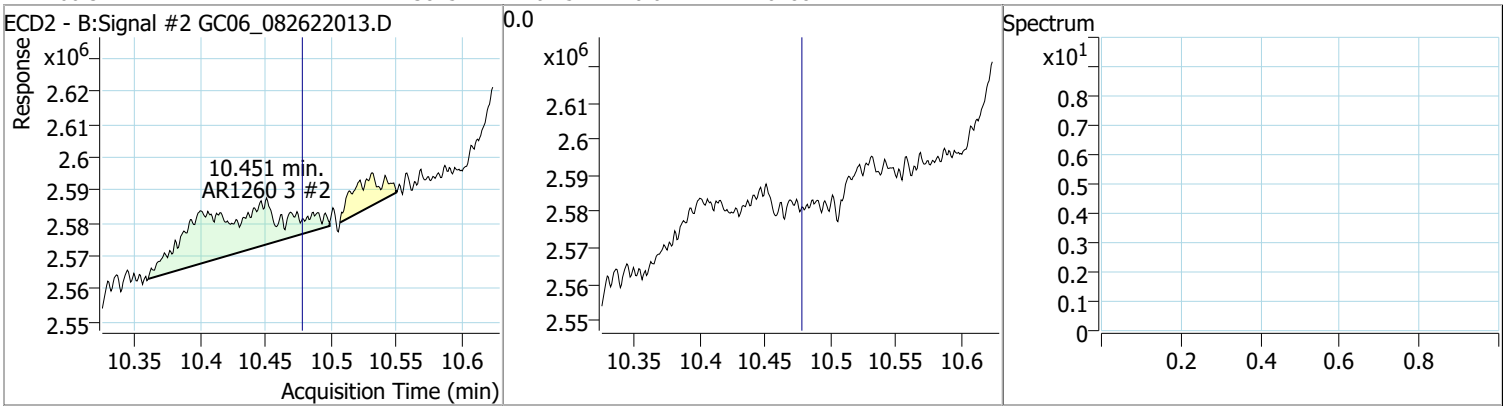
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1.1829	10.05	0.12	44578				



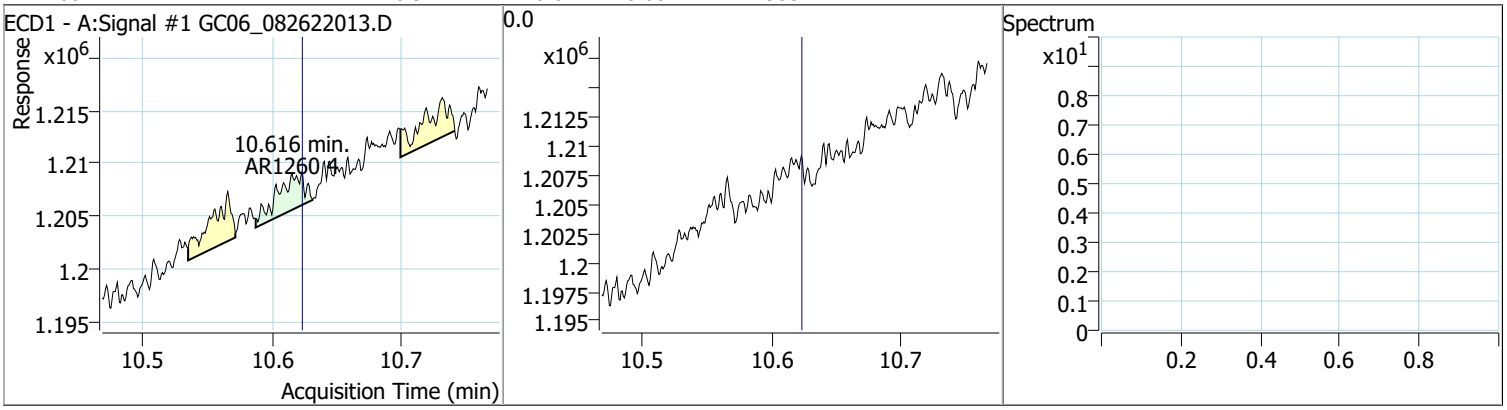
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	6.3388	10.04	-0.05	65006				



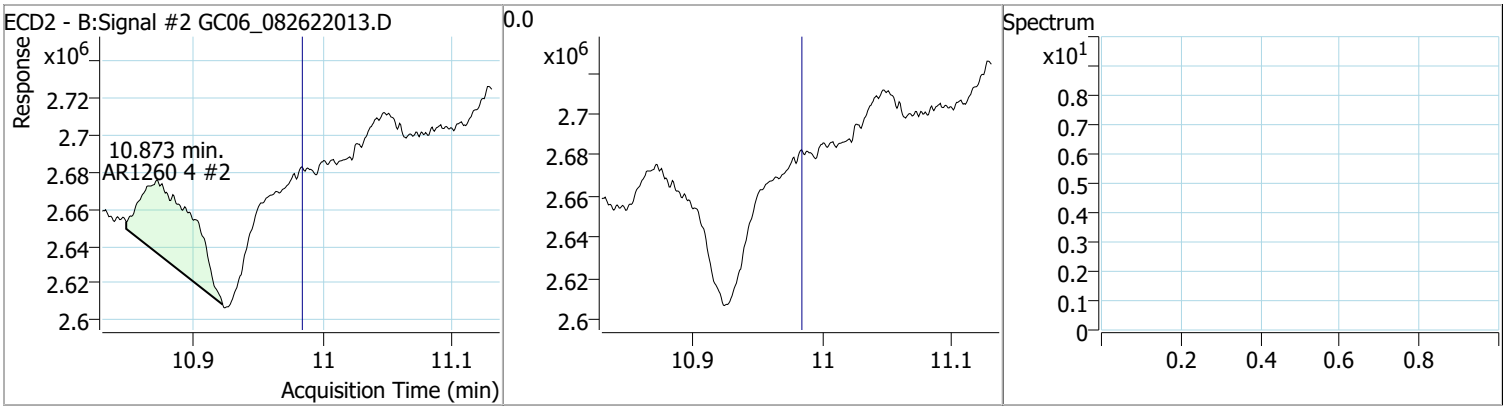
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1.3825	10.45	-0.02	70788				



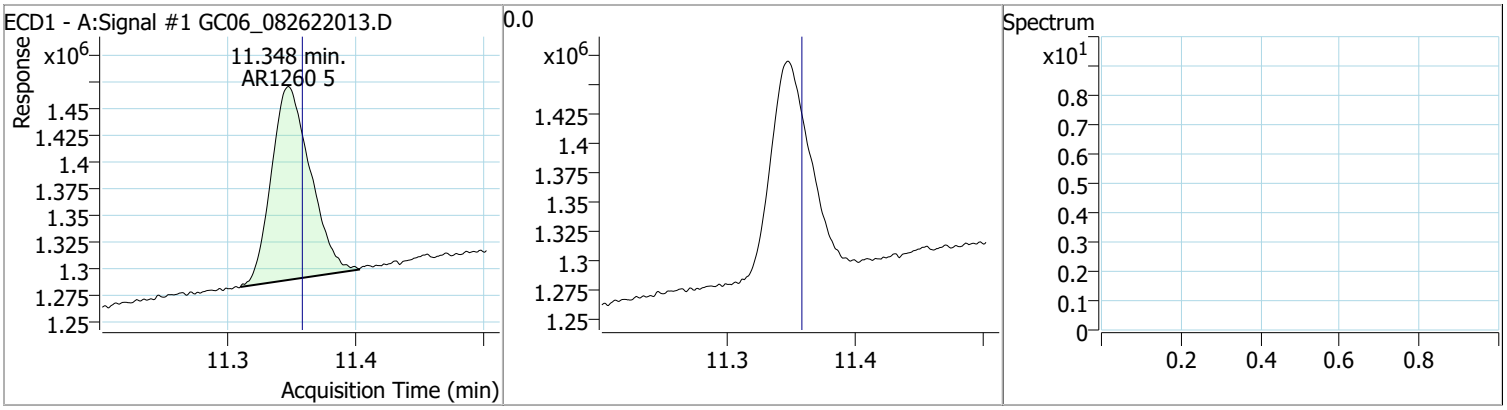
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	0.9711	10.62	0.00	4953				



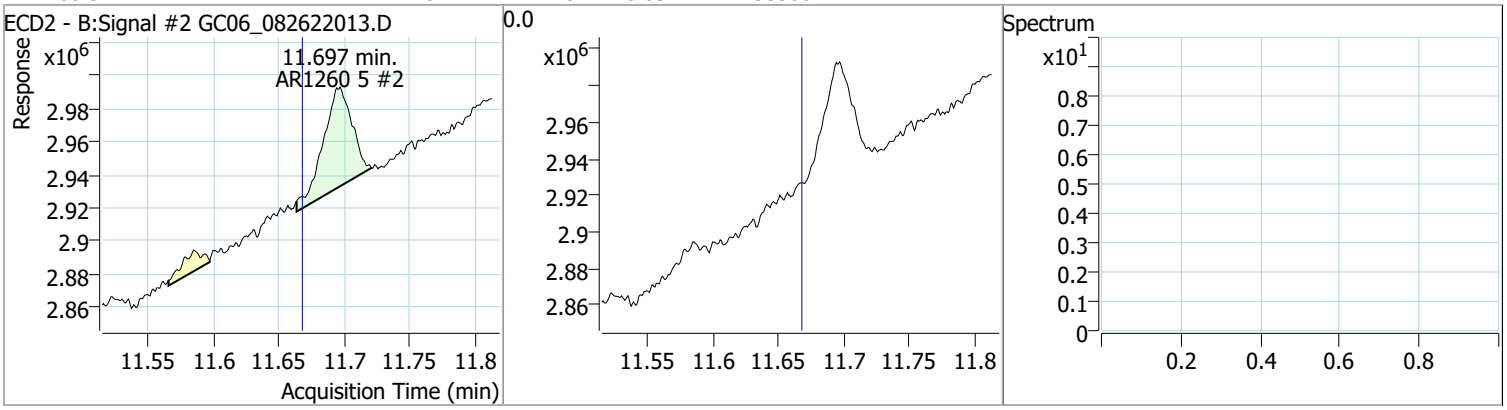
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	4.2524	10.87	-0.11	117818				



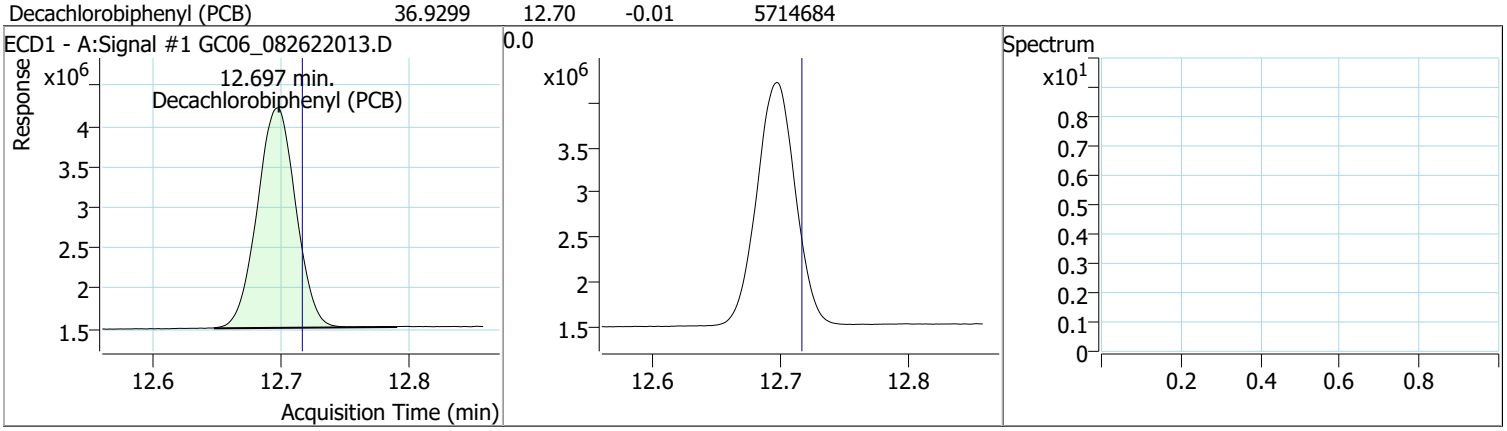
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	56.8347	11.35	0.00	383654				



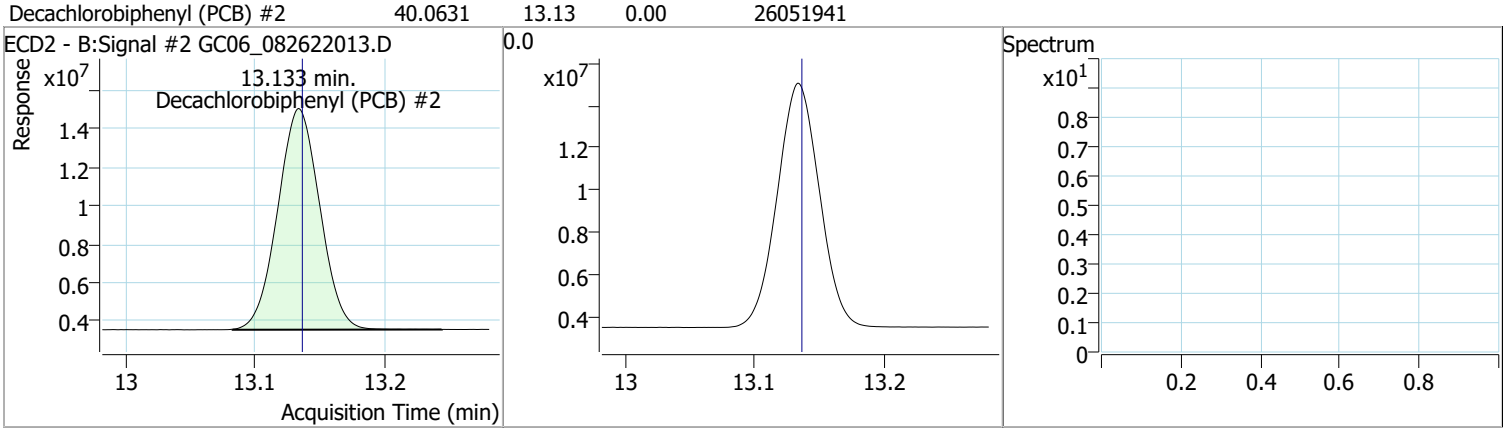
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	2.2842	11.70	0.03	93306				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	36.9299	12.70	-0.01	5714684				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	40.0631	13.13	0.00	26051941				



ENTHALPY SPIKE USER REPORT FOR 467767 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC06	Inst:	SVOA-GC06
Seqnum:	452343556014.2	Seqnum:	452343556015.2
File:	gc06_082622014	File:	gc06_082622015
IDF:	1.0	IDF:	1.0
Lab ID:	QC1008495	Lab ID:	QC1008496
Matrix:	Wipe	Matrix:	Wipe
Batch:	295632	Batch:	295632
Time:	26-AUG-2022 17:35	Time:	26-AUG-2022 17:52
Cal:	452150634002	Cal:	452150634002
Units:	ug/dm2		

- BS: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Aroclor-1016	5.000	509.5	5.095	A	102	569.0	5.690	A	114	60-140	11	20	u
Aroclor-1016 Peak # 1		538.6	5.386	A		607.5	6.075	A					
Aroclor-1016 Peak # 2		484.2	4.842	A		542.9	5.429	A					
Aroclor-1016 Peak # 3		498.6	4.986	A		562.6	5.626	A					
Aroclor-1016 Peak # 4		461.8	4.618	A		509.5	5.095	A					
Aroclor-1016 Peak # 5		564.3	5.643	A		622.7	6.227	A					
Aroclor-1260	5.000	564.8	5.648	A	113	616.1	6.161	A	123	60-140	9	20	u
Aroclor-1260 Peak # 1		558.8	5.588	A		608.5	6.085	A					
Aroclor-1260 Peak # 2		540.2	5.402	A		587.3	5.873	A					
Aroclor-1260 Peak # 3		541.4	5.414	A		588.0	5.880	A					
Aroclor-1260 Peak # 4		620.0	6.200	A		676.5	6.765	A					
Aroclor-1260 Peak # 5		563.6	5.636	A		620.2	6.202	A					
Surrogates													
TCMX (PCB)	0.5000	41.28	0.4128	A	83	48.65	0.4865	A	97	52-186			c+ u
Decachlorobiphenyl (PCB)	0.5000	39.59	0.3959	A	79	43.82	0.4382	A	88	60-140			u

ISTD (CCV gc06_082622002)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8218495	9631063	17.19
1-bromo-2-nitrobenzene (PCB)	A	1919479	1765534	-8.02

ISTD (CCV gc06_082622002)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.13	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

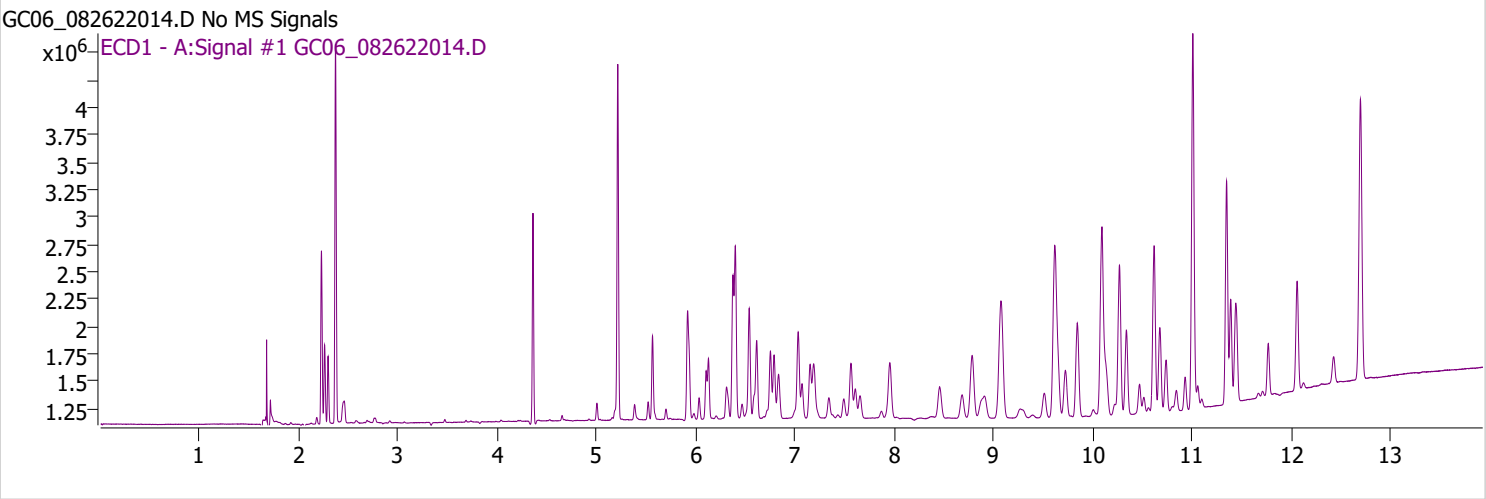
ISTD (CCV gc06_082622002)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8218495	8789073	6.94
1-bromo-2-nitrobenzene (PCB)	A	1919479	1599891	-16.65

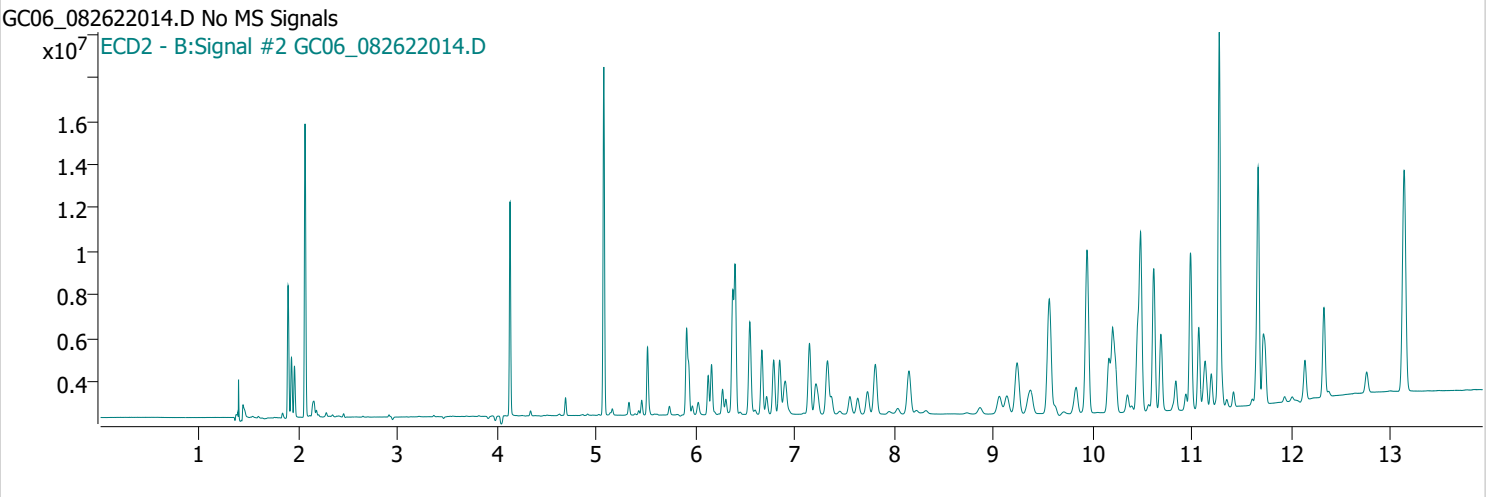
ISTD (CCV gc06_082622002)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.13	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

Analyst: TRN 08/29/22 **Reviewer:** SLL 08/29/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622014.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/26/2022 5:35:08 PM
Sample Name	QC1008495, 295632, 1	Instrument	SVOA-GC06
Vial	4	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



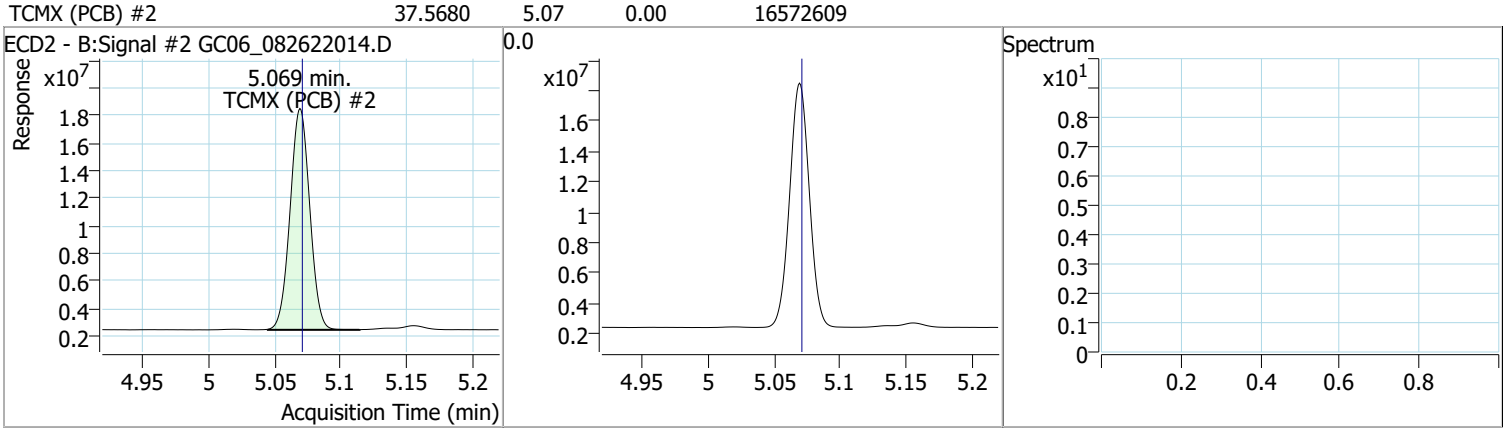


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.125	0.0	9631063.152	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.356	0.0	1765533.699	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB) #2	5.069	0.0	16572609.397	37.5680	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.84%		*	
S TCMX (PCB)	5.210	0.0	3504580.148	41.2678	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 206.34%		*	
S Decachlorobiphenyl (PCB)	12.692	0.0	5312976.198	39.5779	ng/ml		-0.014
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 197.89%		*	
S Decachlorobiphenyl (PCB) #2	13.132	0.0	24087905.970	41.4481	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 207.24%		*	
Target Compounds							QValue

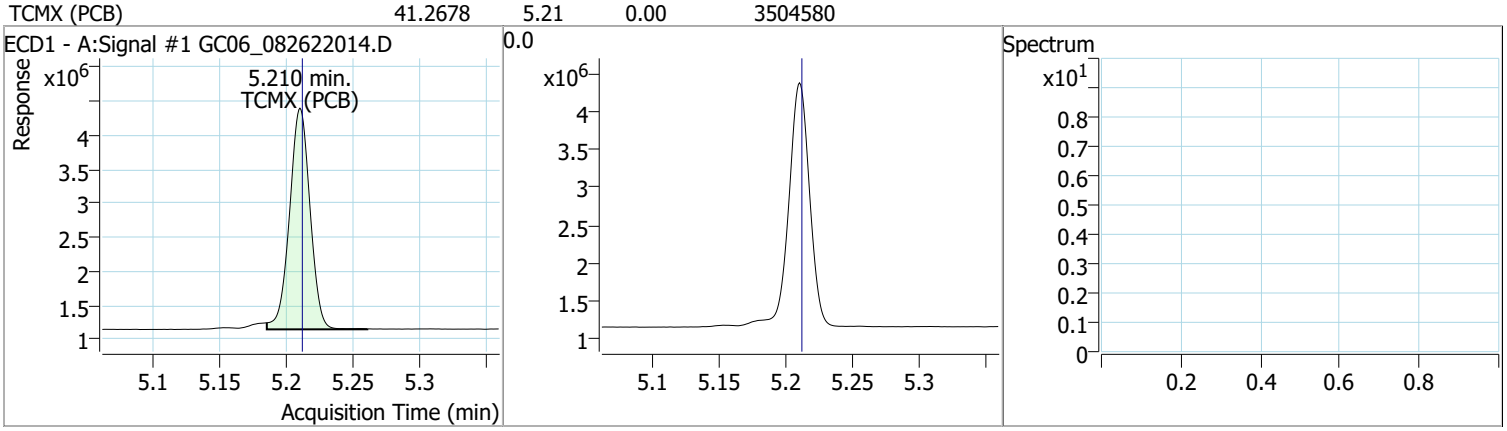
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.510	0.0	3869584.295	429.0387	ng/ml	100
T AR1016 1	5.560	0.0	929923.463	538.4610	ng/ml	100
T AR1016 2 #2	5.904	0.0	8080851.288	431.7368	ng/ml	100
T AR1016 2	5.913	0.0	1820497.686	484.1328	ng/ml	100
T AR1016 3 #2	6.391	0.0	18214273.353	737.8952	ng/ml	100
T AR1016 3	6.394	0.0	2206021.922	498.4762	ng/ml	100
T AR1016 4	6.534	0.0	1528983.389	461.6779	ng/ml	100
T AR1016 4 #2	6.540	0.0	7417663.176	442.9372	ng/ml	100
T AR1016 5	7.028	0.0	1445345.082	564.1860	ng/ml	100
T AR1016 5 #2	7.323	0.0	6870461.744	524.7490	ng/ml	100
T AR1260 1	9.070	0.0	3104121.667	558.6772	ng/ml	100
T AR1260 1 #2	9.558	0.0	15479625.352	531.0463	ng/ml	100
T AR1260 2	9.613	0.0	4621590.742	540.0415	ng/ml	100
T AR1260 2 #2	9.937	0.0	17321625.376	514.2831	ng/ml	100
T AR1260 3	10.088	0.0	4815126.341	541.2412	ng/ml	100
T AR1260 3 #2	10.477	0.0	22290490.139	487.1206	ng/ml	100
T AR1260 4	10.613	0.0	2742550.812	619.8571	ng/ml	100
T AR1260 4 #2	10.980	0.0	12991874.333	524.6834	ng/ml	100
T AR1260 5	11.343	0.0	3299314.236	563.4124	ng/ml	100
T AR1260 5 #2	11.661	0.0	19613140.163	537.2508	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

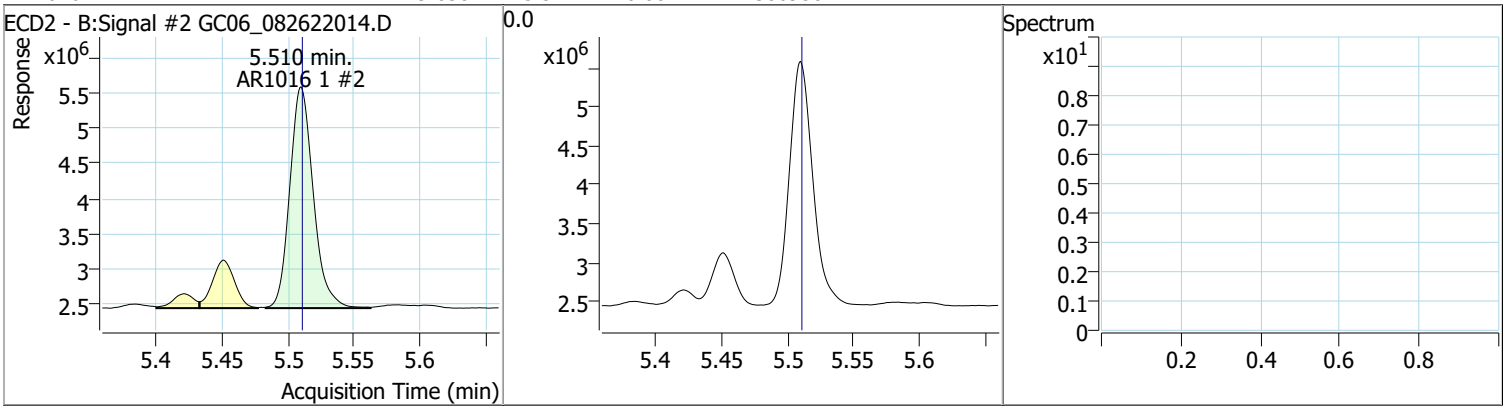
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.5680	5.07	0.00	16572609				



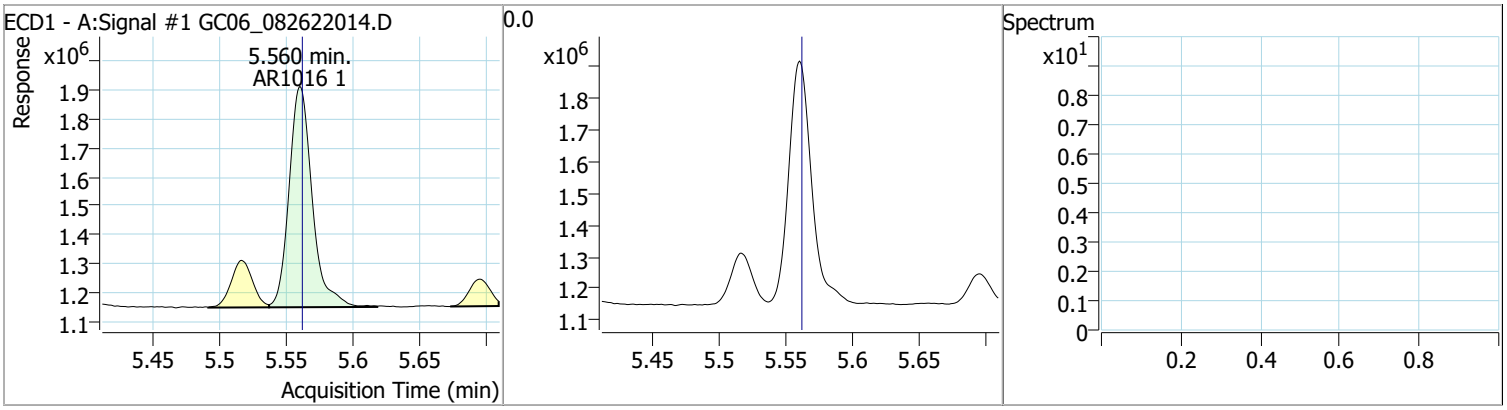
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	41.2678	5.21	0.00	3504580				



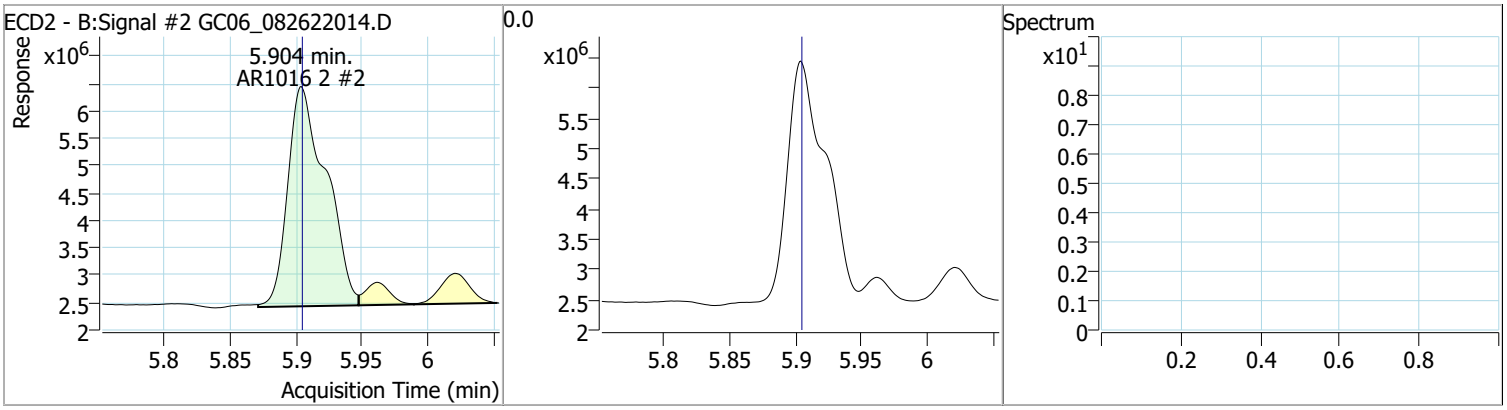
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	429.0387	5.51	0.00	3869584				



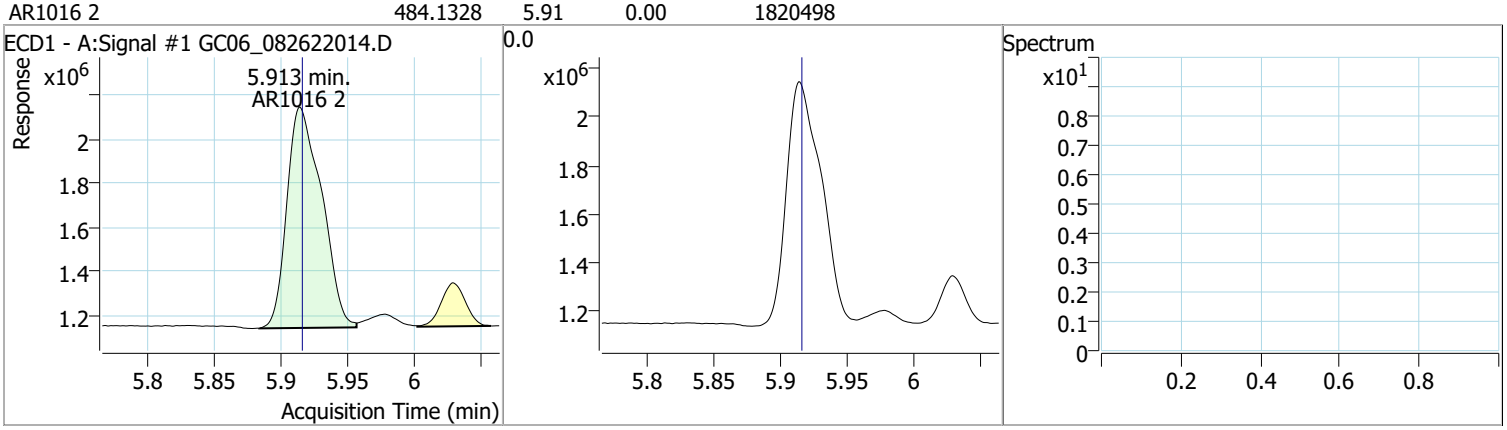
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	538.4610	5.56	0.00	929923				



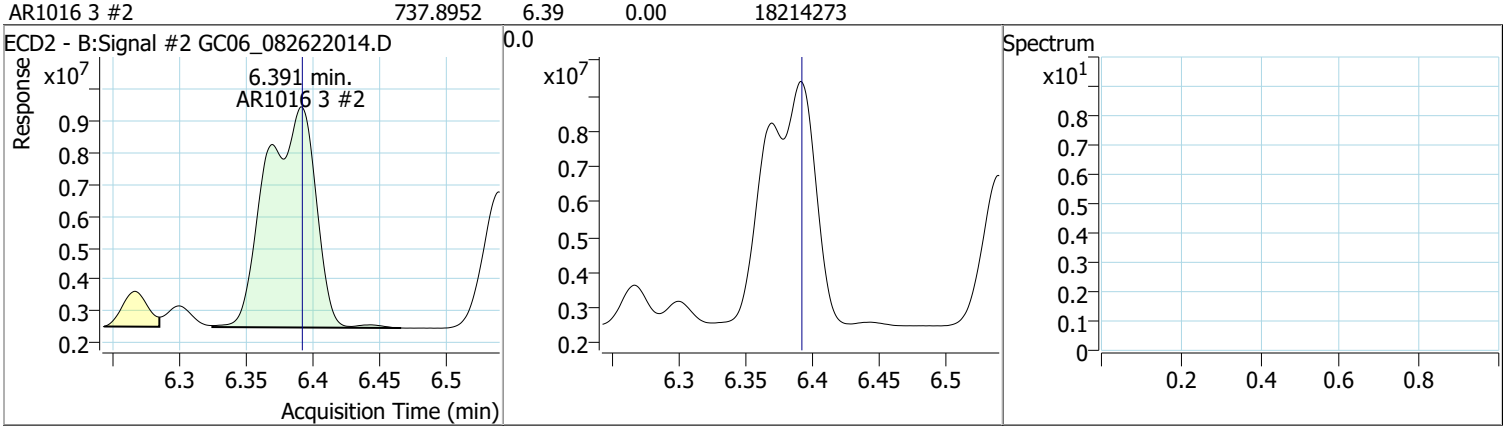
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	431.7368	5.90	0.00	8080851				



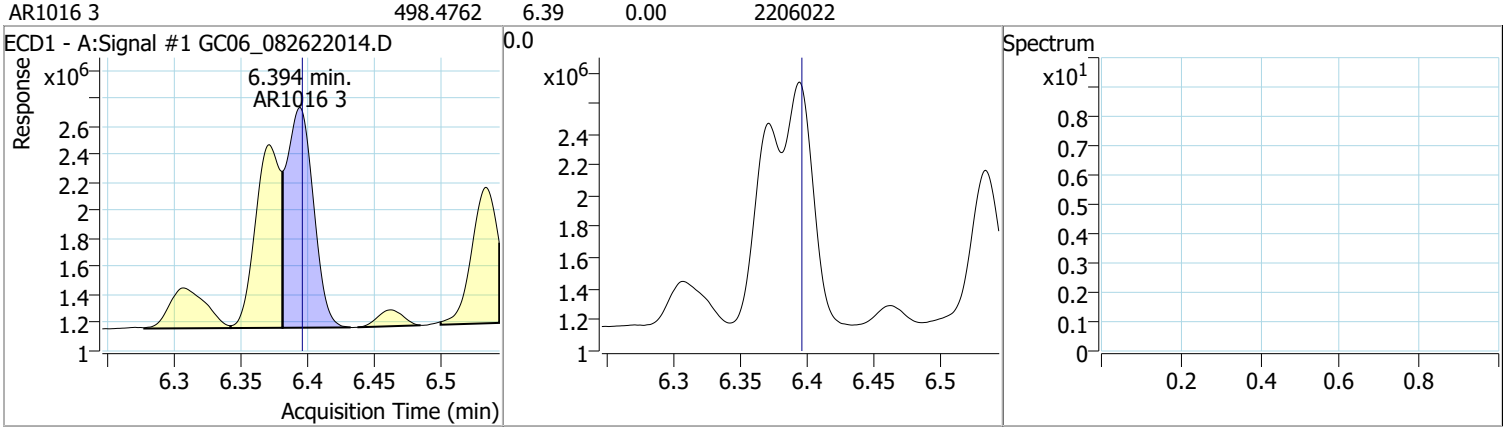
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	484.1328	5.91	0.00	1820498				



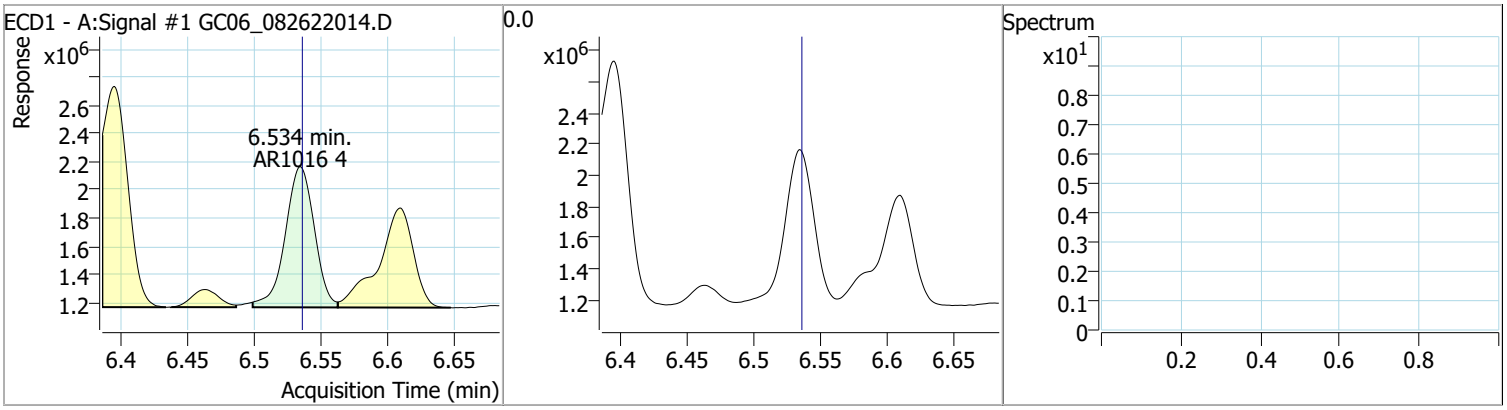
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	737.8952	6.39	0.00	18214273				



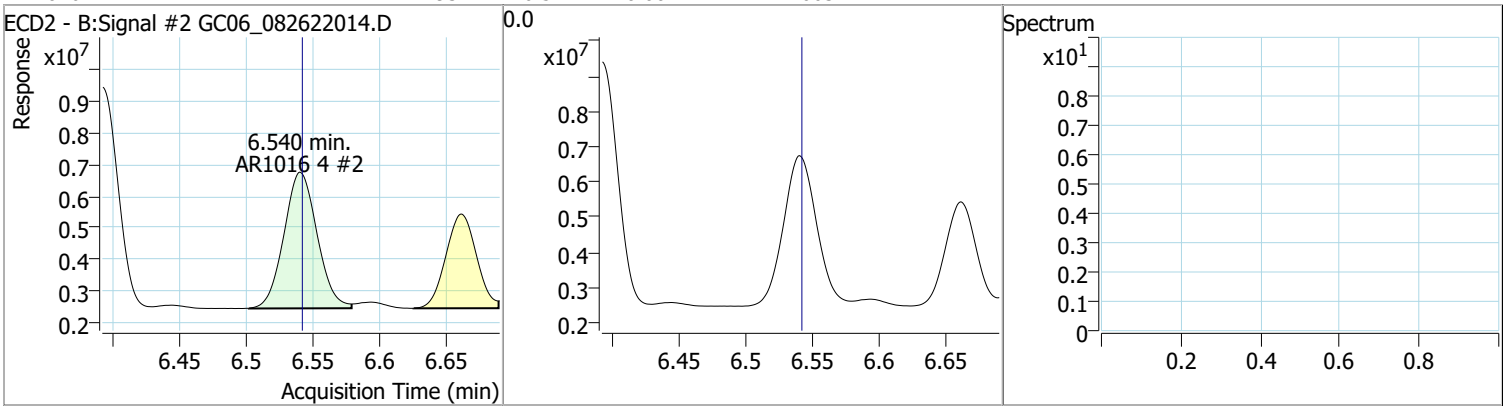
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	498.4762	6.39	0.00	2206022				



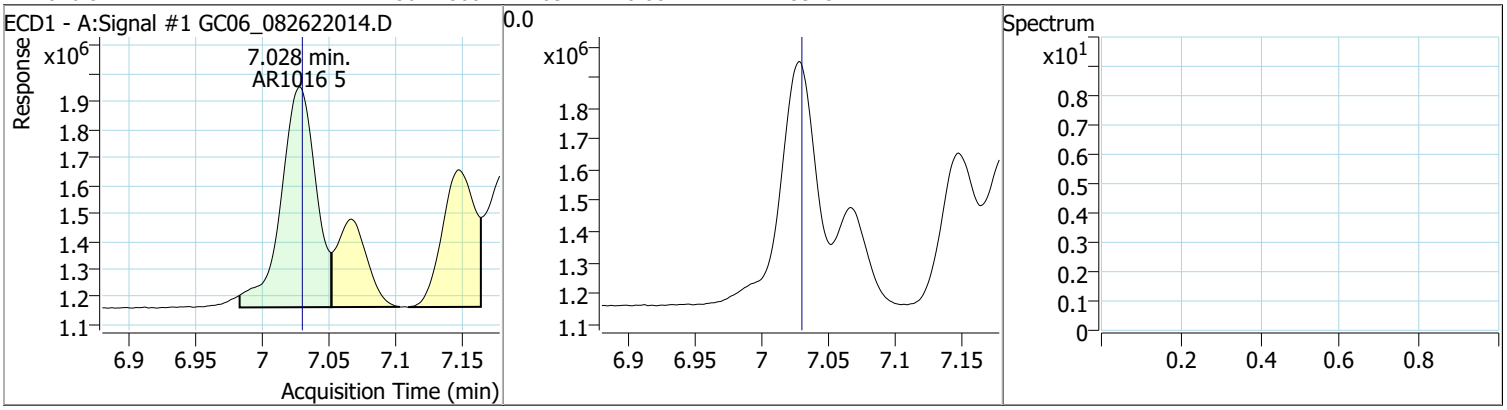
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	461.6779	6.53	0.00	1528983				



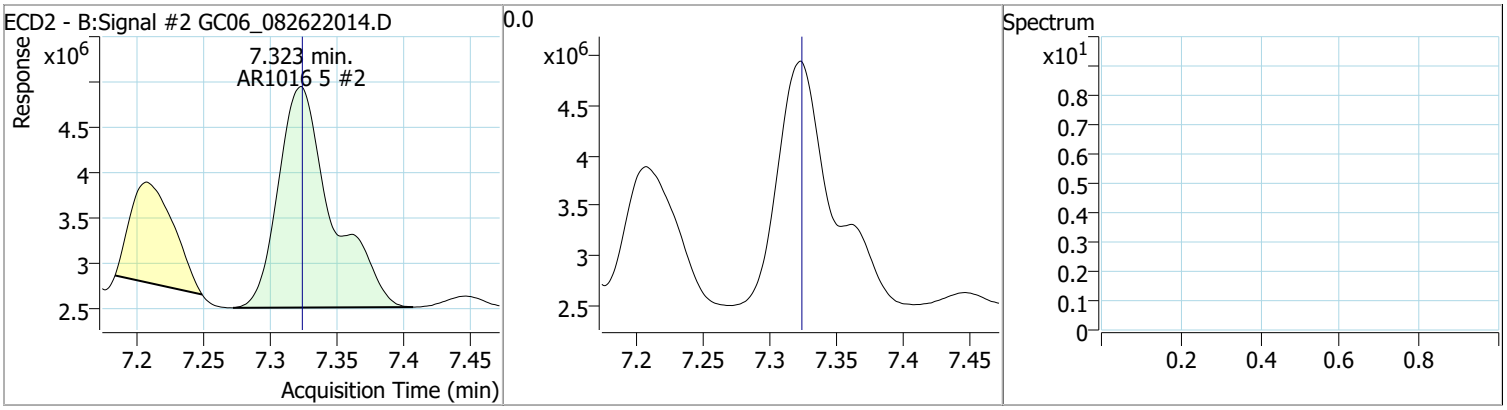
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	442.9372	6.54	0.00	7417663				



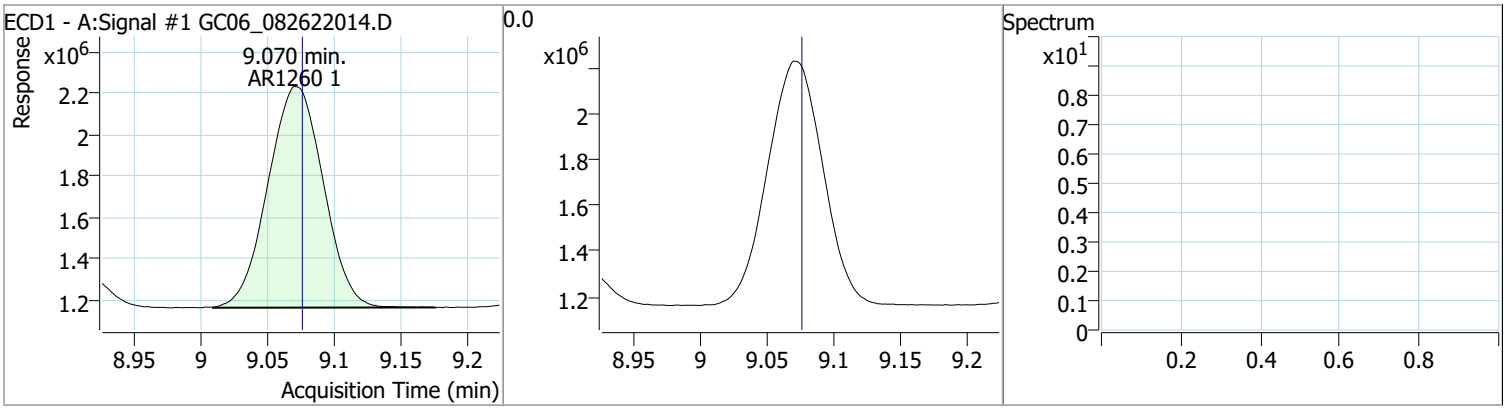
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	564.1860	7.03	0.00	1445345				



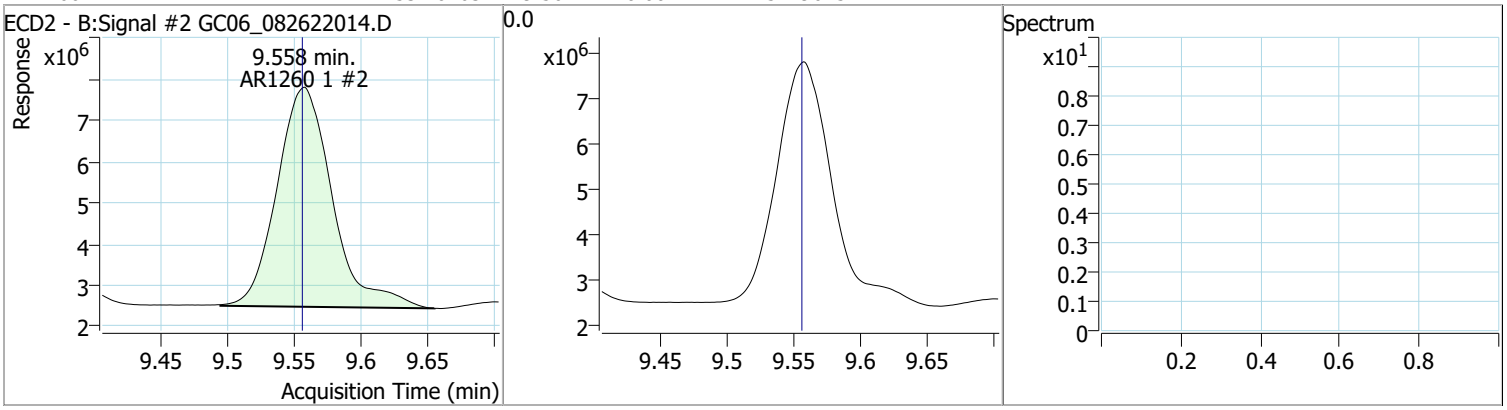
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	524.7490	7.32	0.00	6870462				



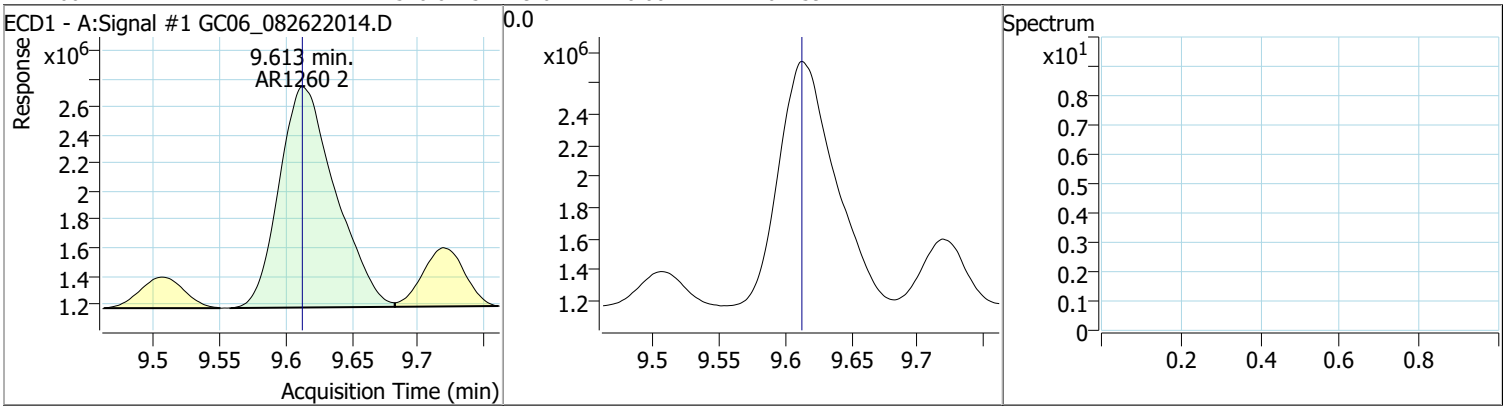
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	558.6772	9.07	0.00	3104122				



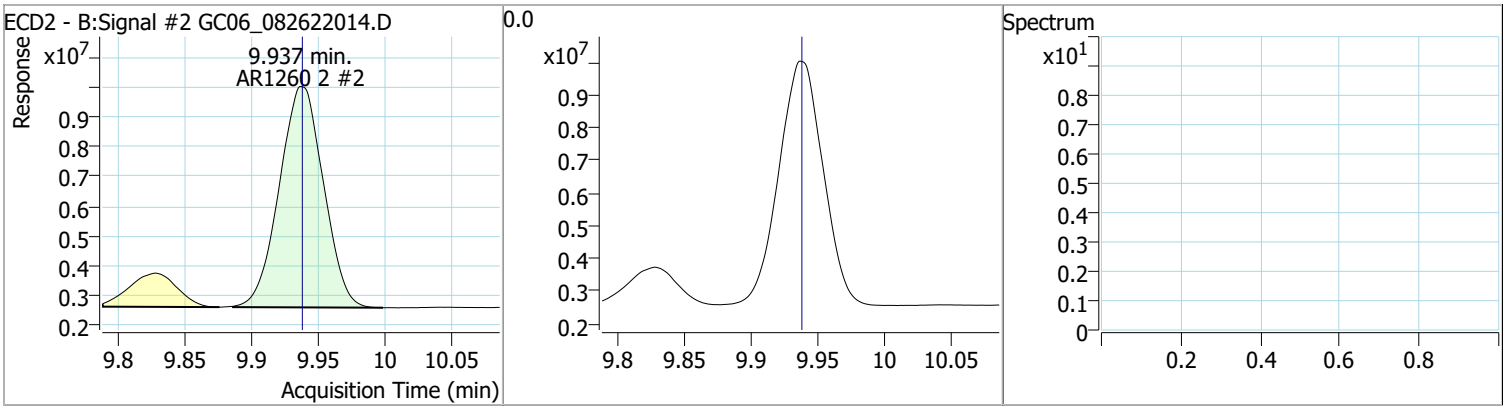
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	531.0463	9.56	0.00	15479625				



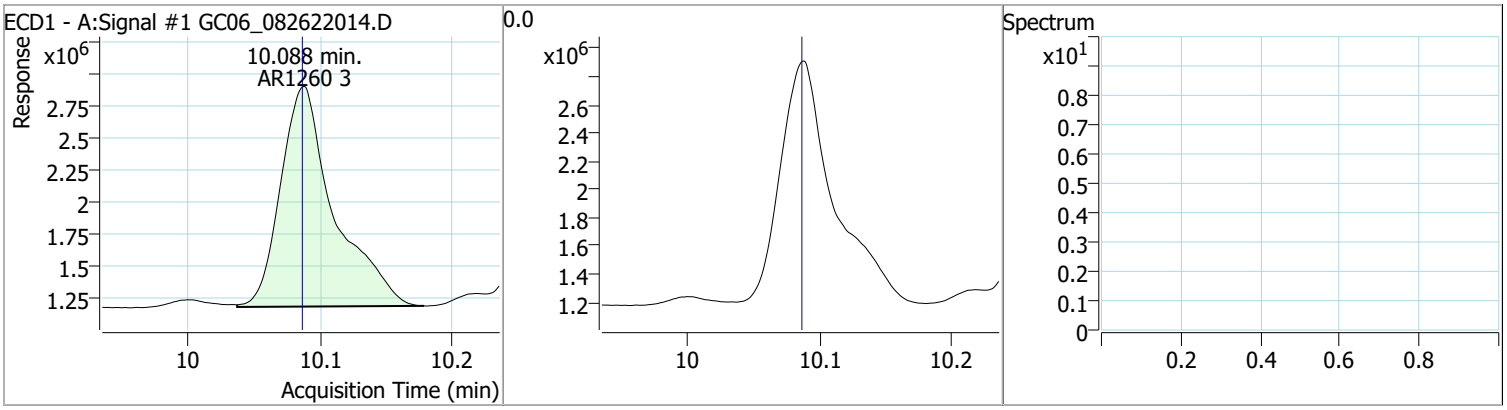
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	540.0415	9.61	0.00	4621591				



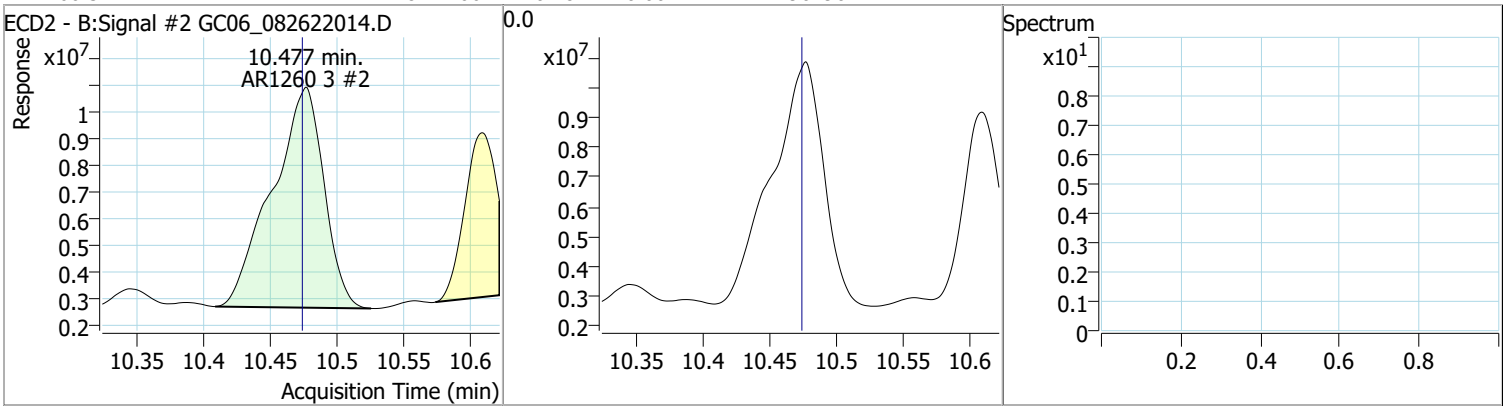
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	514.2831	9.94	0.00	17321625				



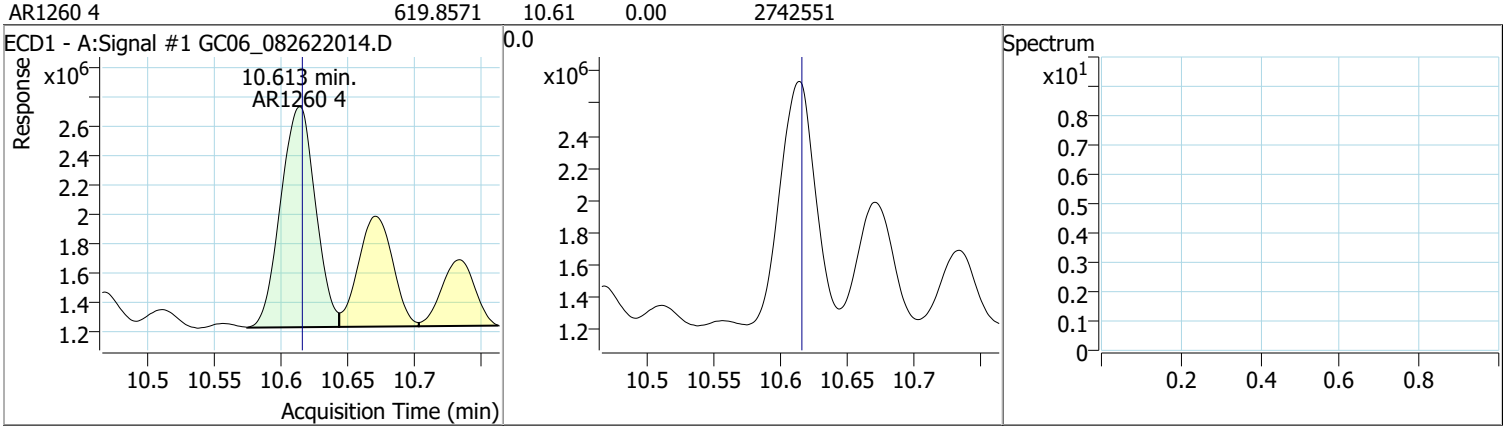
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	541.2412	10.09	0.00	4815126				



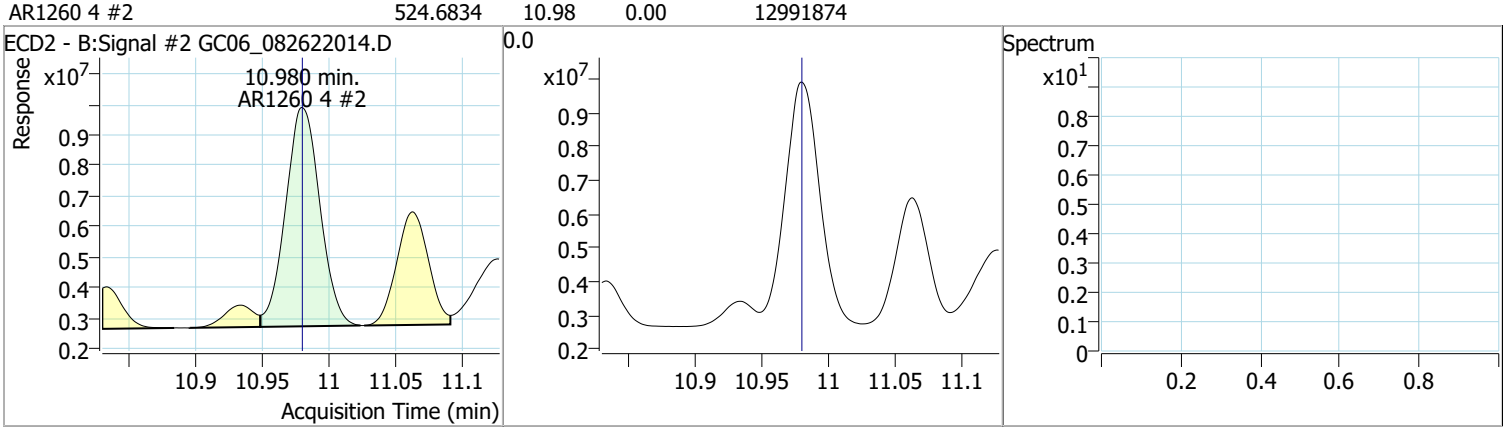
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	487.1206	10.48	0.00	22290490				



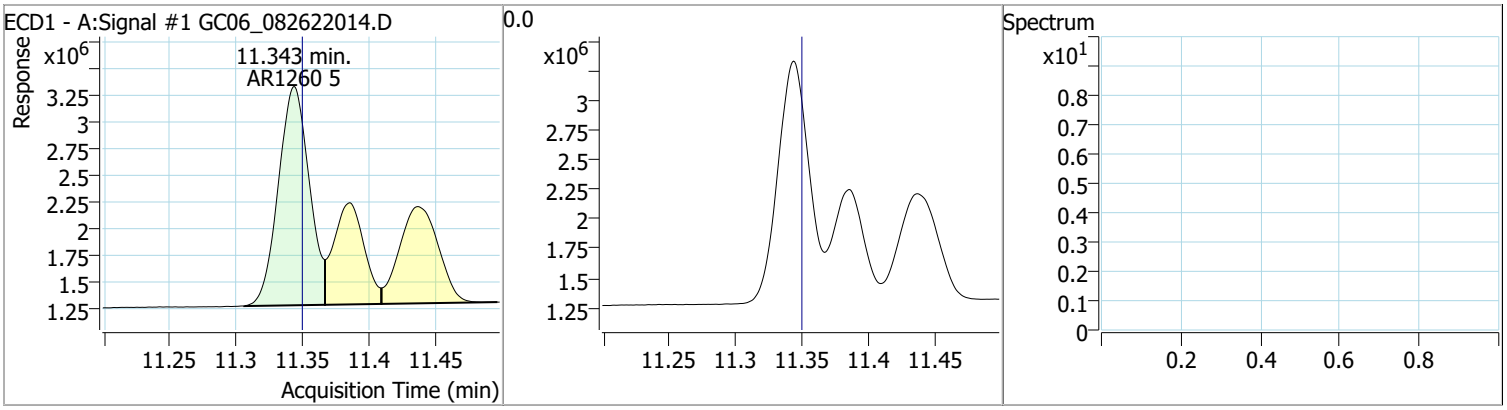
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	619.8571	10.61	0.00	2742551				



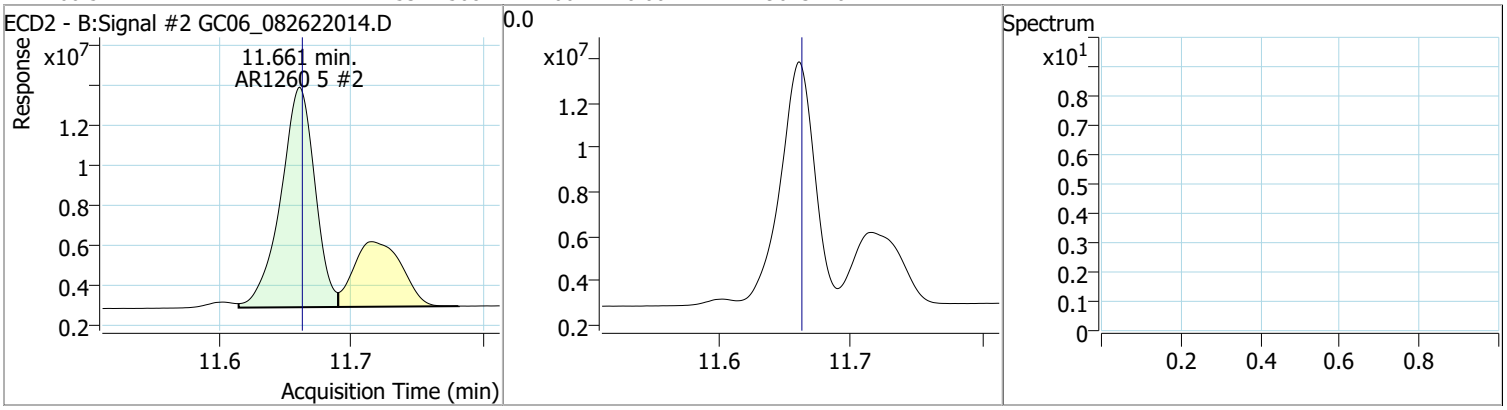
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	524.6834	10.98	0.00	12991874				



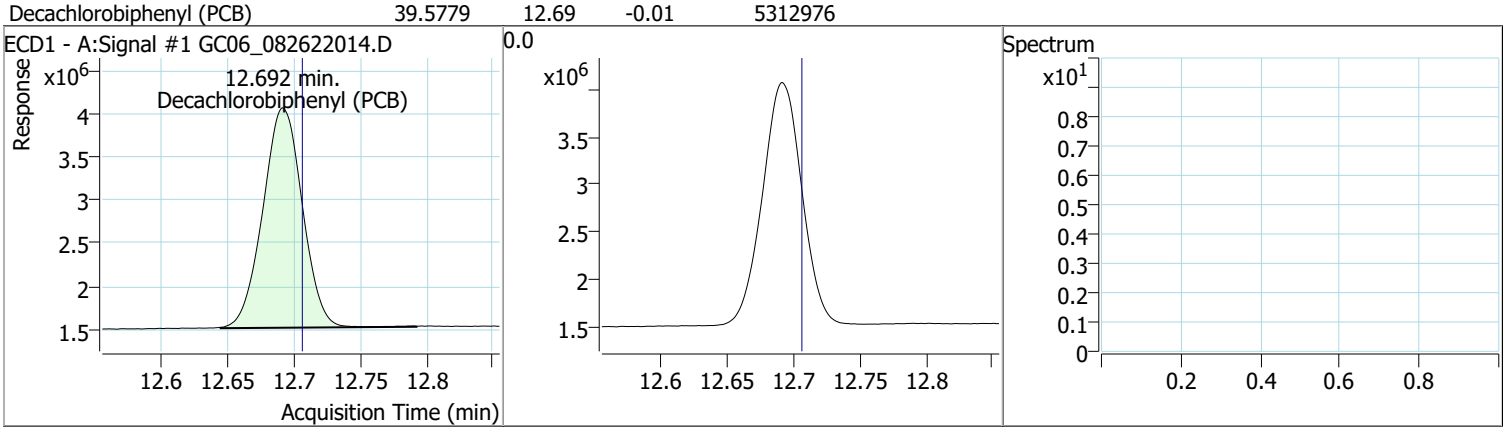
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	563.4124	11.34	-0.01	3299314				



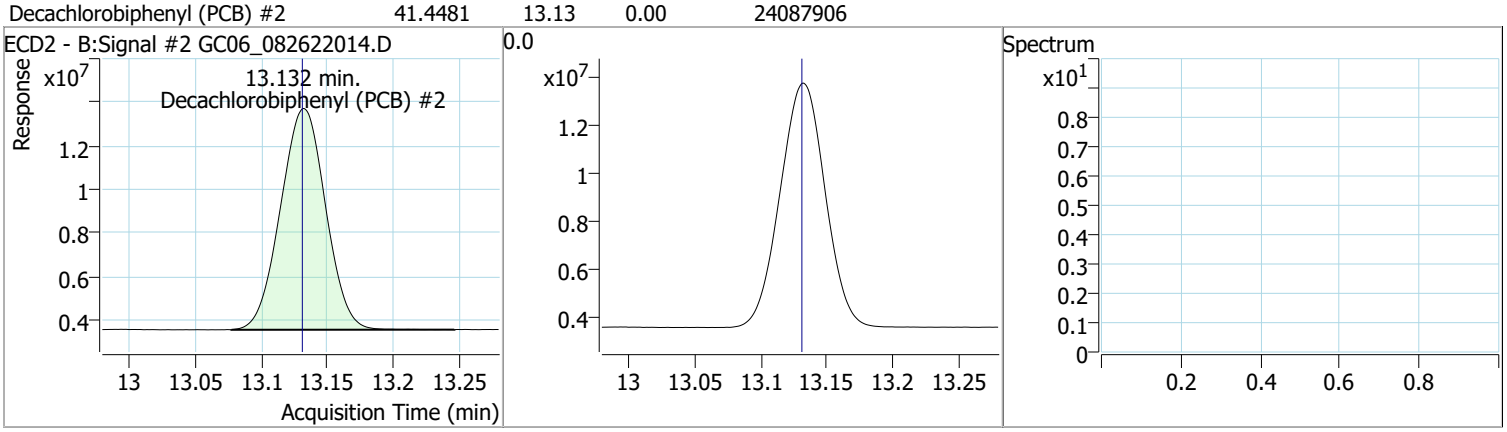
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	537.2508	11.66	0.00	19613140				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	39.5779	12.69	-0.01	5312976				

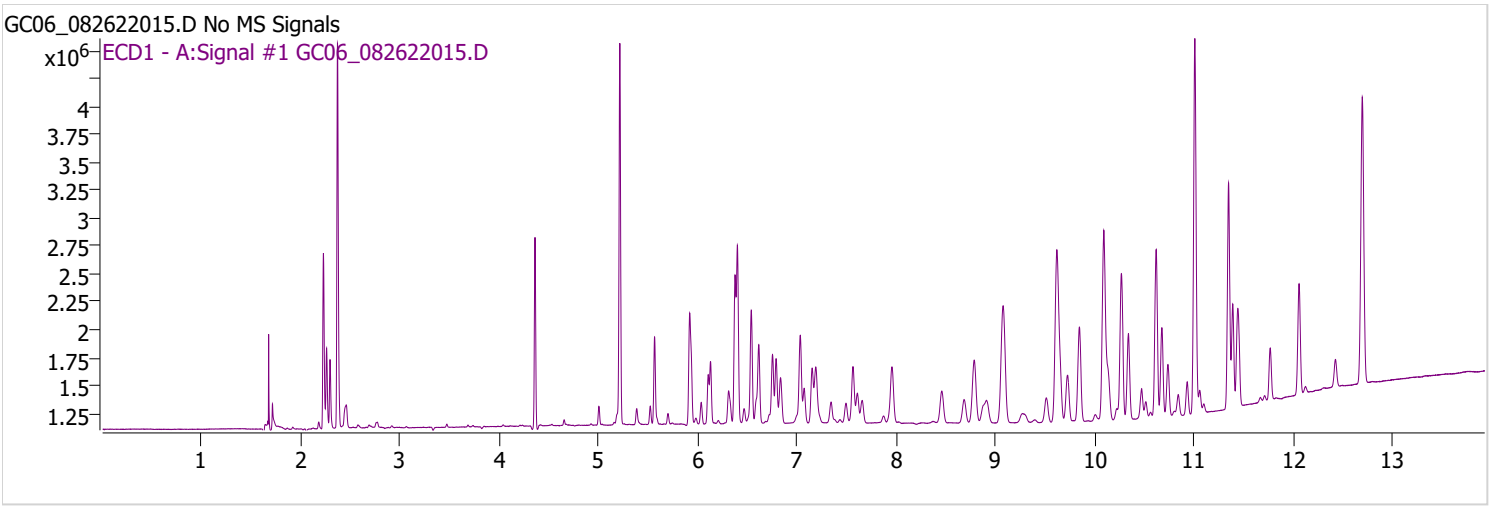


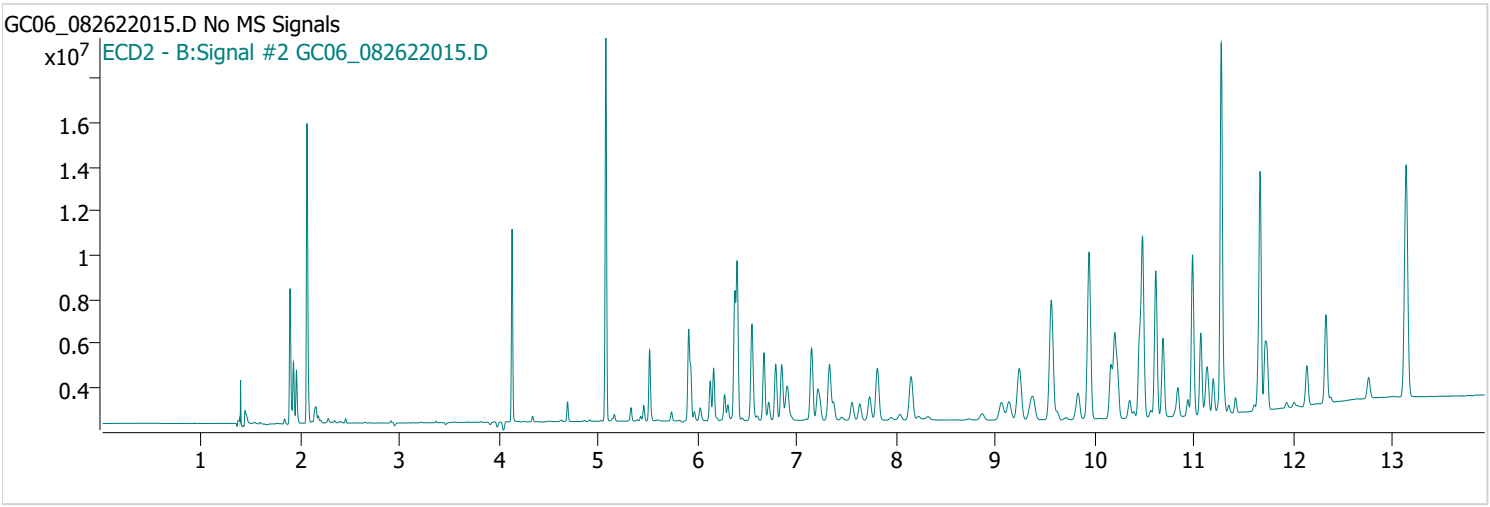
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	41.4481	13.13	0.00	24087906				



Quantitation Results Report (Not Reviewed)

Data File	GC06_082622015.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/26/2022 5:52:34 PM
Sample Name	QC1008496, 295632, 1	Instrument	SVOA-GC06
Vial	5	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



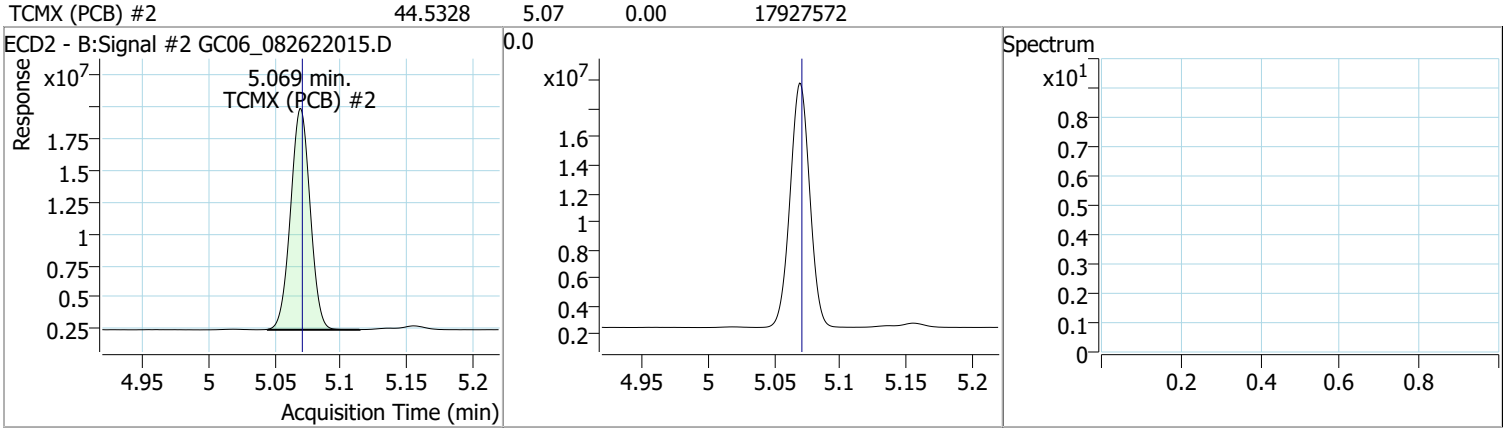


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.125	0.0	8789072.546	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.356	0.0	1599891.303	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB) #2	5.069	0.0	17927572.452	44.5328	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 222.66%		*	
S TCMX (PCB)	5.210	0.0	3743226.316	48.6415	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 243.21%		*	
S Decachlorobiphenyl (PCB)	12.689	0.0	5329331.341	43.8099	ng/ml		-0.017
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 219.05%		*	
S Decachlorobiphenyl (PCB) #2	13.131	0.0	24399310.285	46.0060	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 230.03%		*	
Target Compounds							QValue

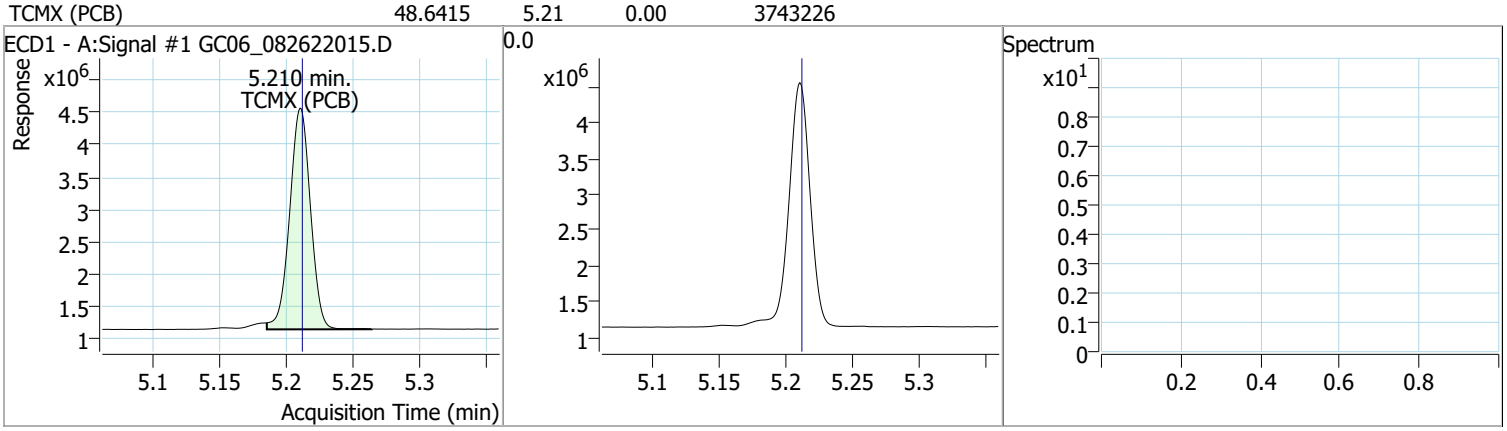
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.510	0.0	3981761.142	483.7696	ng/ml	100
T AR1016 1	5.560	0.0	950438.945	607.3189	ng/ml	100
T AR1016 2 #2	5.904	0.0	8286663.394	485.1464	ng/ml	100
T AR1016 2	5.914	0.0	1849479.153	542.7619	ng/ml	100
T AR1016 3 #2	6.391	0.0	10920221.937	484.7809	ng/ml	100
T AR1016 3	6.394	0.0	2255686.796	562.4694	ng/ml	100
T AR1016 4	6.534	0.0	1528578.074	509.3420	ng/ml	100
T AR1016 4 #2	6.542	0.0	7584949.890	496.3168	ng/ml	100
T AR1016 5	7.028	0.0	1445276.491	622.5686	ng/ml	100
T AR1016 5 #2	7.323	0.0	6916607.736	578.8820	ng/ml	100
T AR1260 1	9.072	0.0	3063010.154	608.3538	ng/ml	100
T AR1260 1 #2	9.557	0.0	15160353.573	569.9181	ng/ml	100
T AR1260 2	9.613	0.0	4553560.054	587.1813	ng/ml	100
T AR1260 2 #2	9.937	0.0	17193819.607	559.3932	ng/ml	100
T AR1260 3	10.086	0.0	4739340.839	587.8773	ng/ml	100
T AR1260 3 #2	10.475	0.0	22181533.135	531.1774	ng/ml	100
T AR1260 4	10.613	0.0	2711785.162	676.3597	ng/ml	100
T AR1260 4 #2	10.980	0.0	12927887.954	572.1163	ng/ml	100
T AR1260 5	11.343	0.0	3290066.240	620.0017	ng/ml	100
T AR1260 5 #2	11.660	0.0	19617131.469	588.8391	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

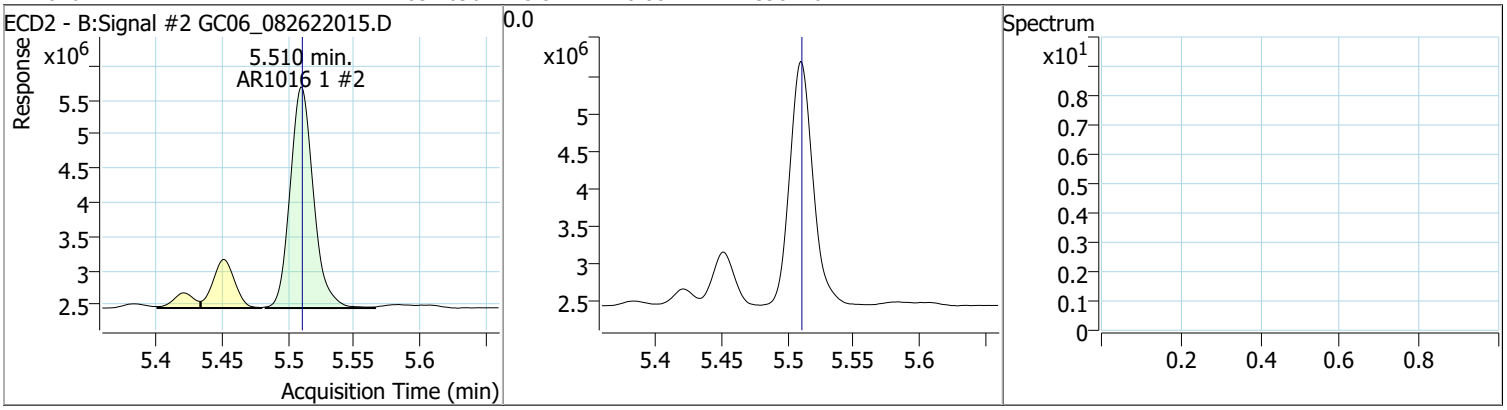
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	44.5328	5.07	0.00	17927572				



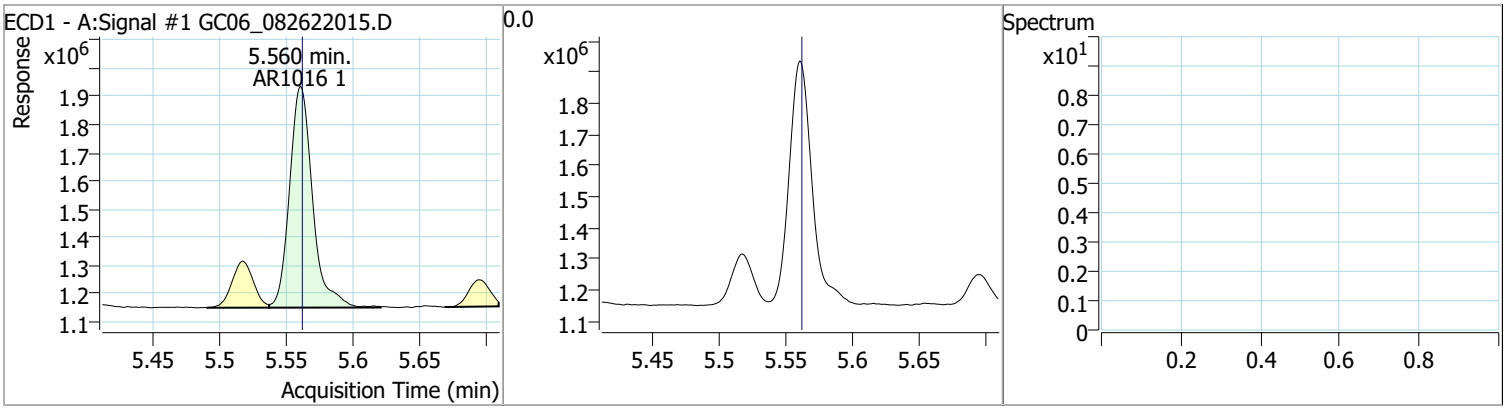
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	48.6415	5.21	0.00	3743226				



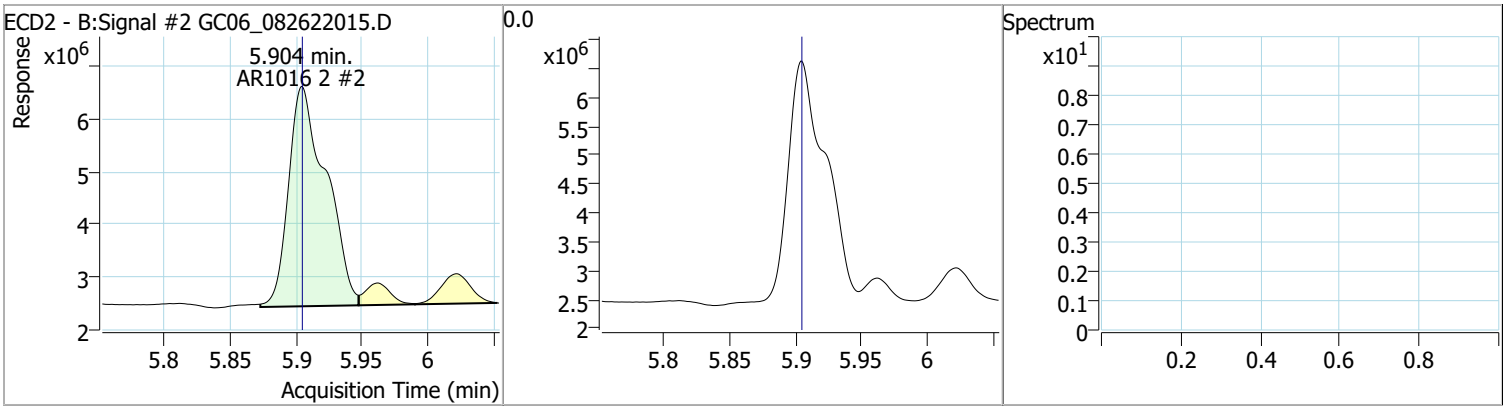
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	483.7696	5.51	0.00	3981761				



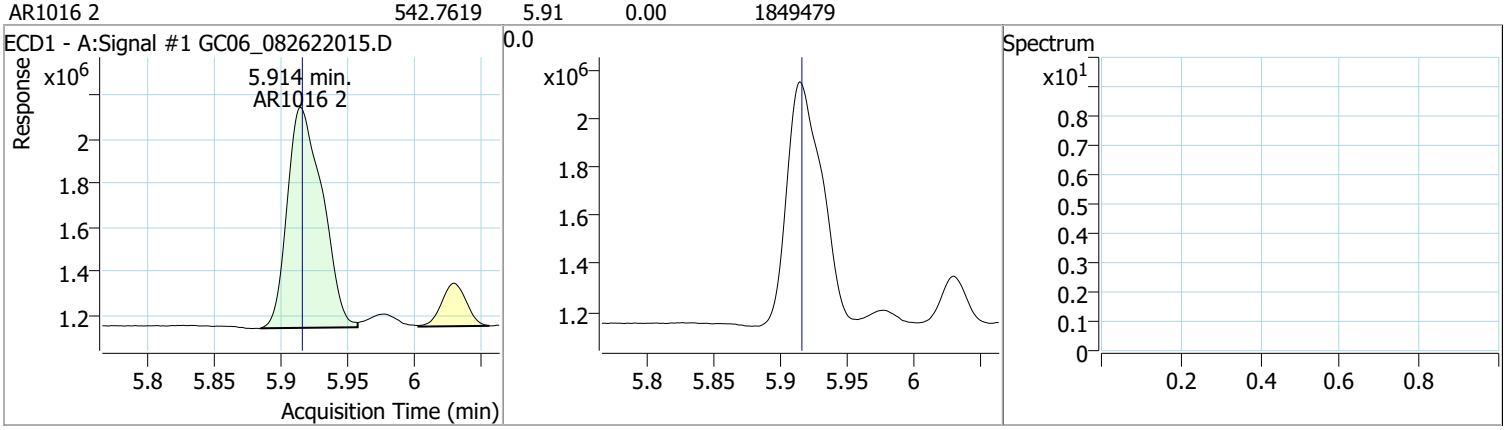
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	607.3189	5.56	0.00	950439				



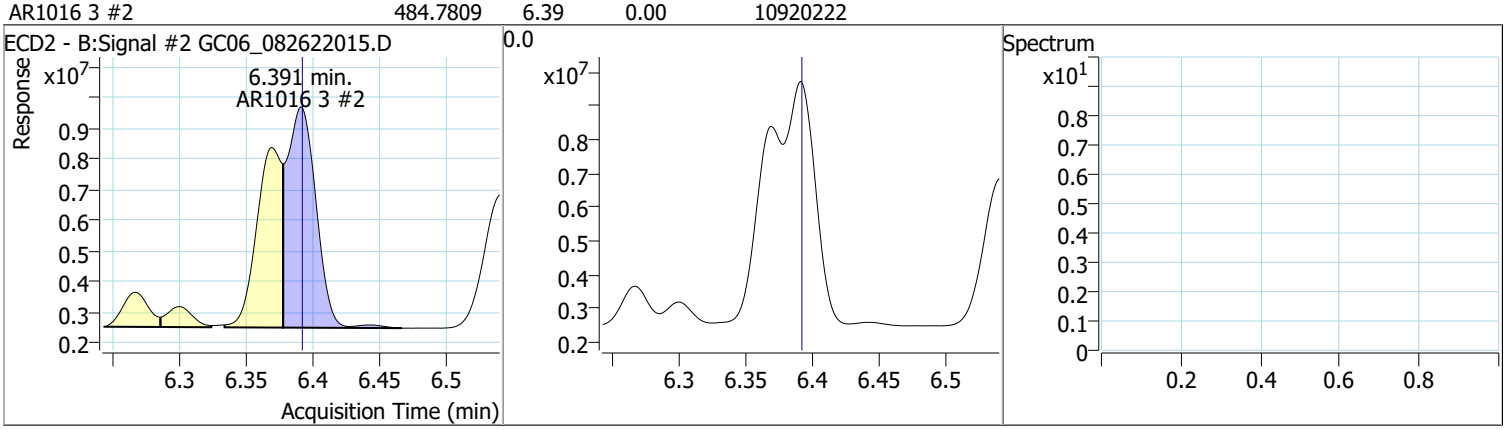
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	485.1464	5.90	0.00	8286663				



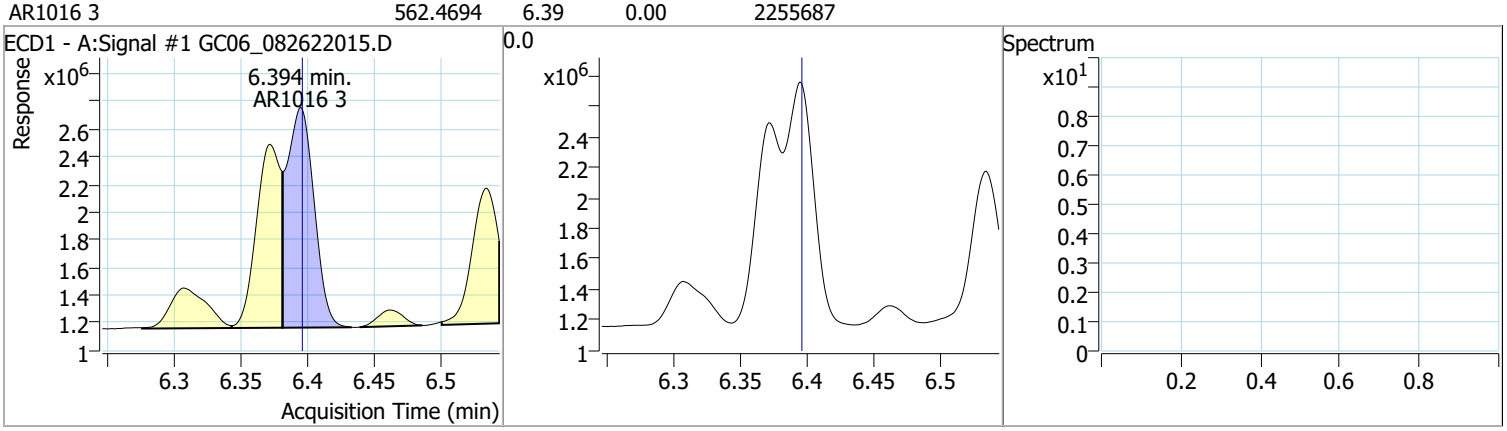
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	542.7619	5.91	0.00	1849479				



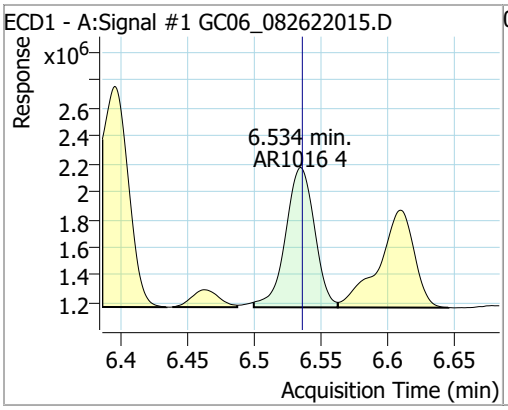
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	484.7809	6.39	0.00	10920222				

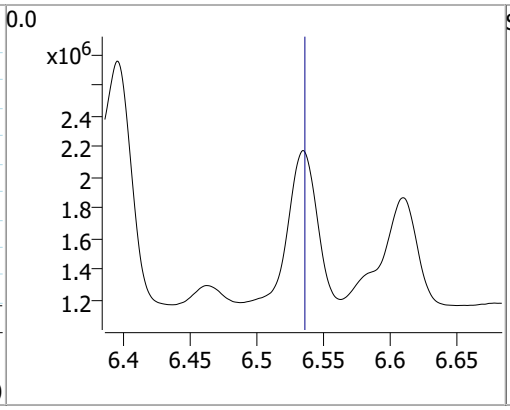


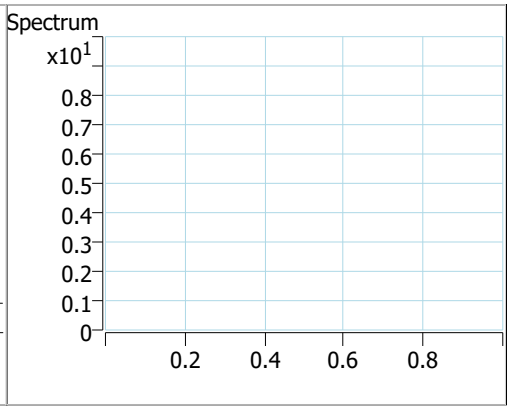
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	562.4694	6.39	0.00	2255687				



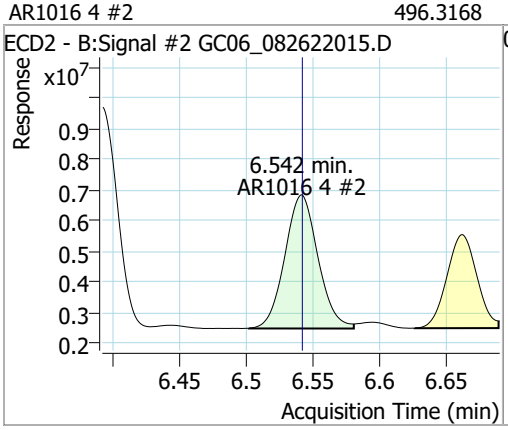
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	509.3420	6.53	0.00	1528578				

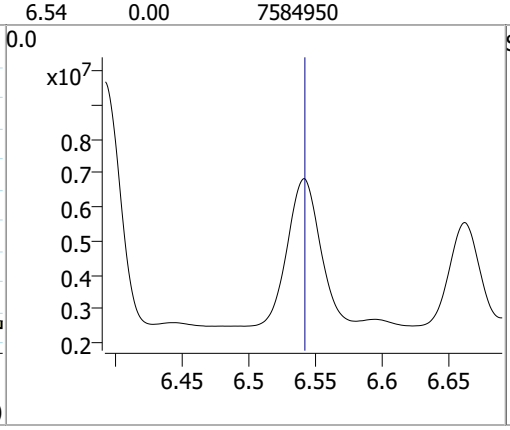


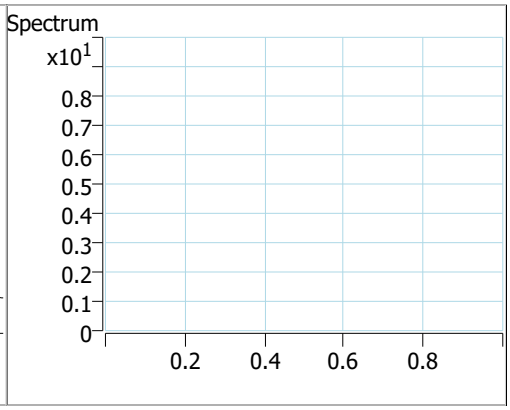




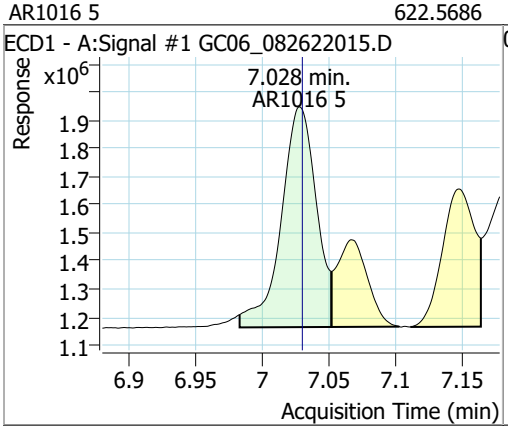
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	496.3168	6.54	0.00	7584950				

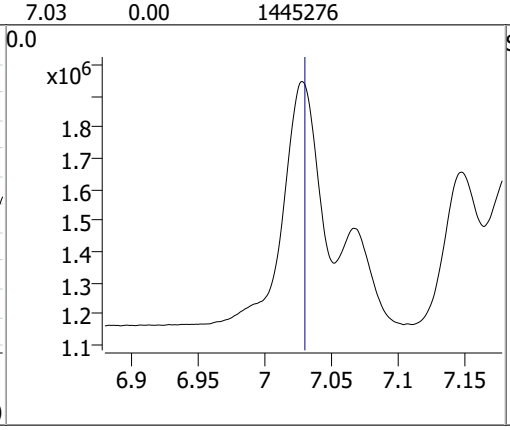


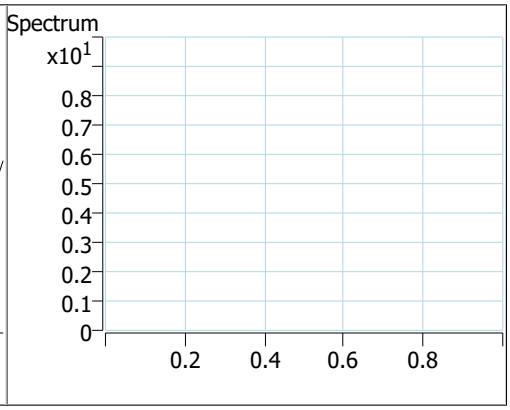




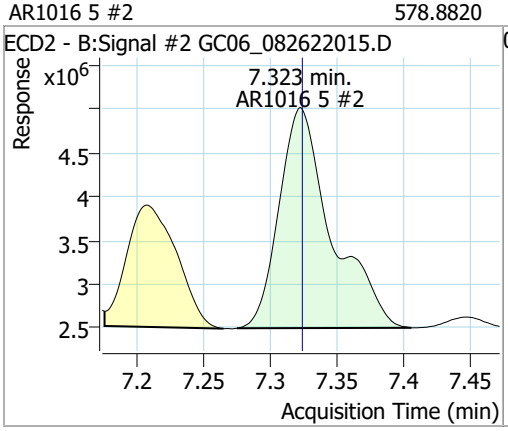
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	622.5686	7.03	0.00	1445276				

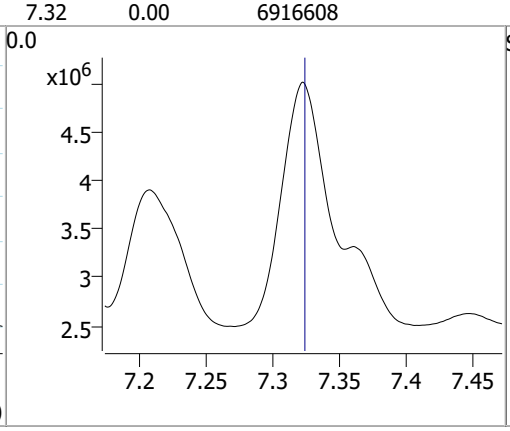


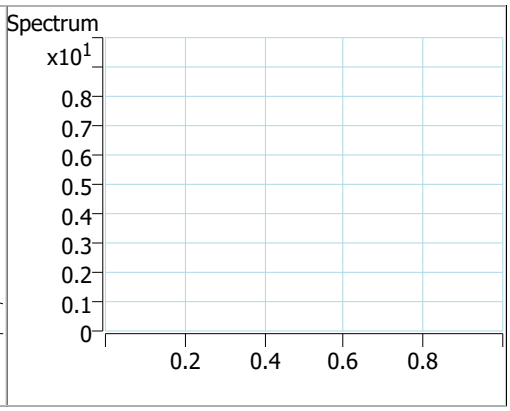




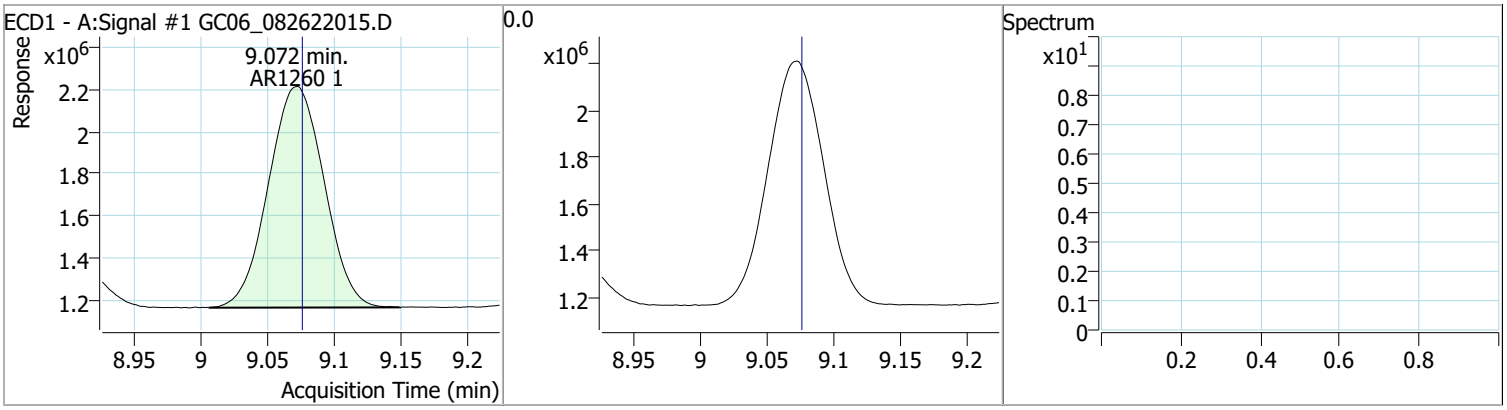
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	578.8820	7.32	0.00	6916608				



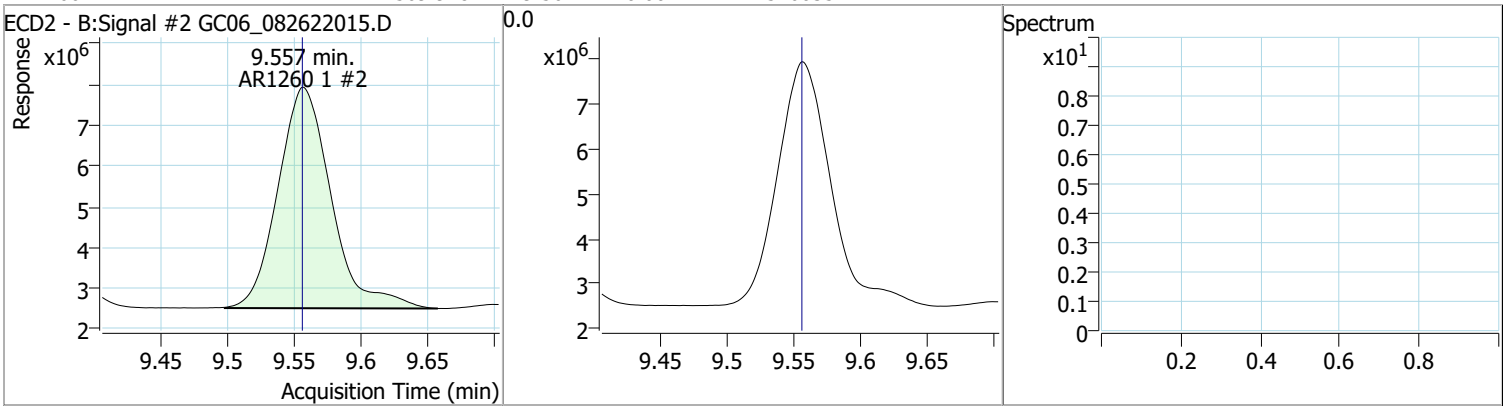




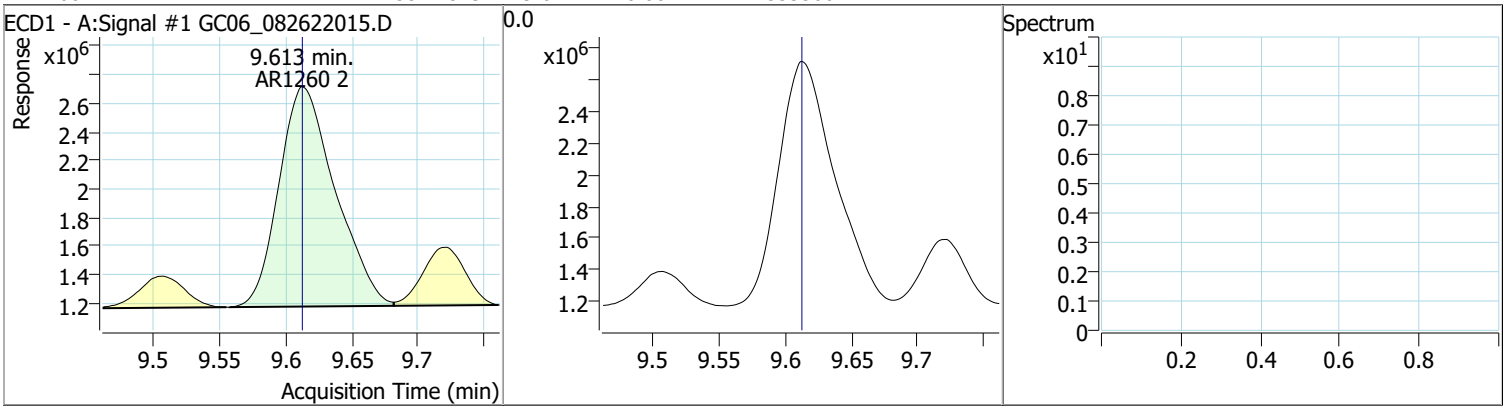
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	608.3538	9.07	0.00	3063010				



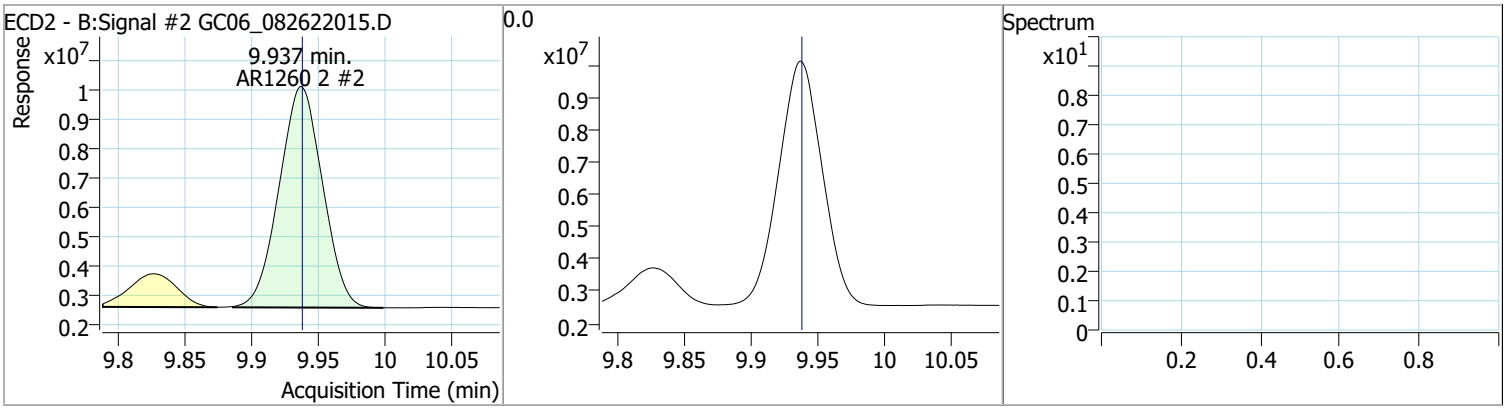
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	569.9181	9.56	0.00	15160354				



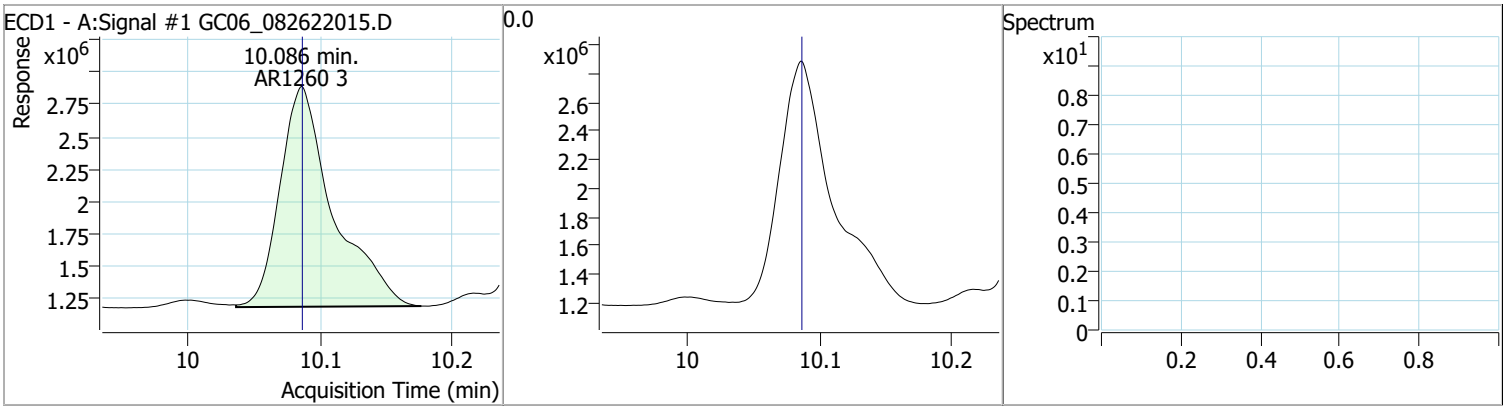
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	587.1813	9.61	0.00	4553560				



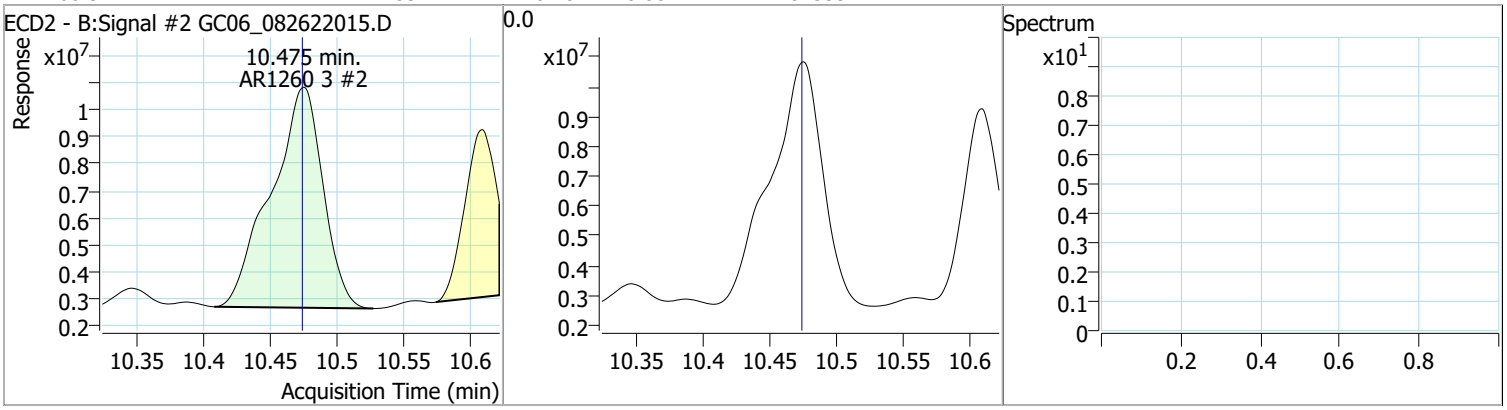
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	559.3932	9.94	0.00	17193820				



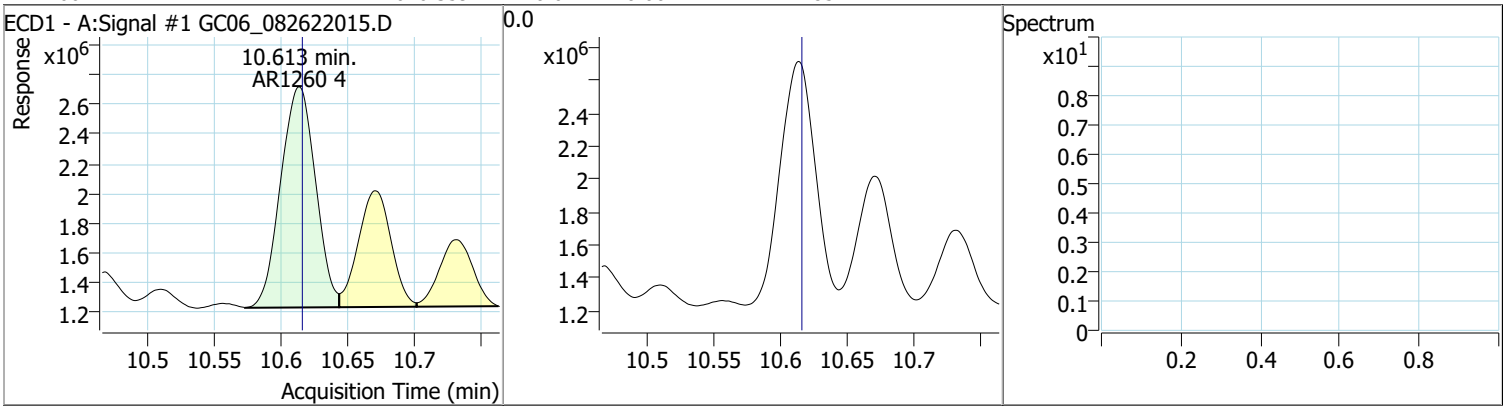
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	587.8773	10.09	0.00	4739341				



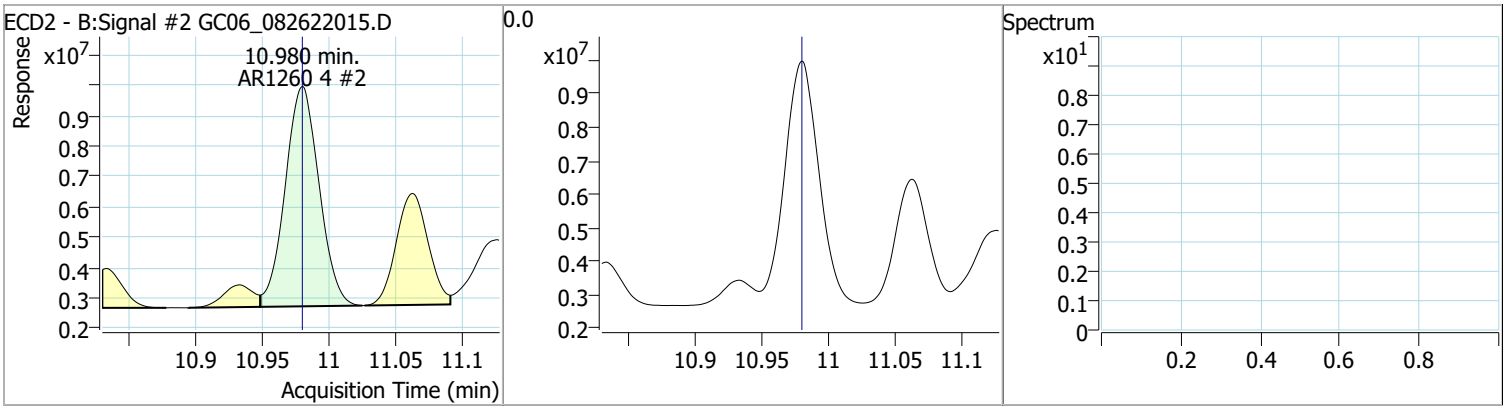
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	531.1774	10.48	0.00	22181533				



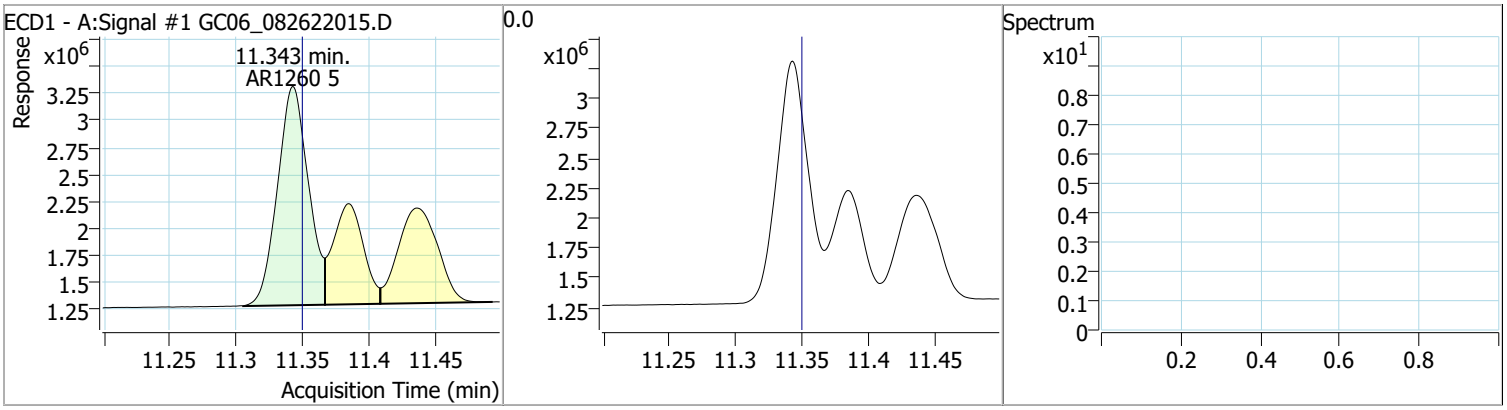
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	676.3597	10.61	0.00	2711785				



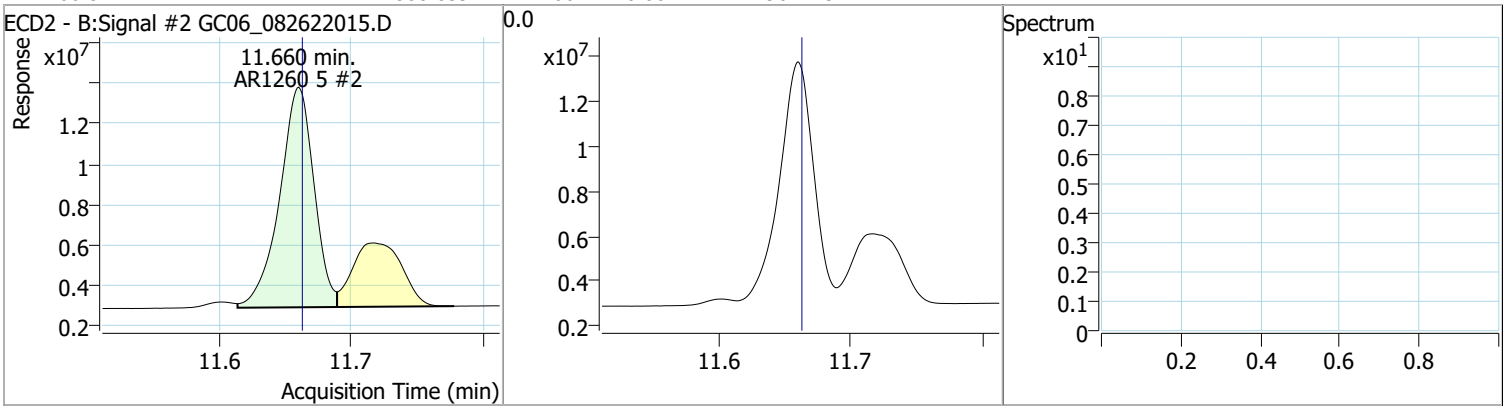
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	572.1163	10.98	0.00	12927888				



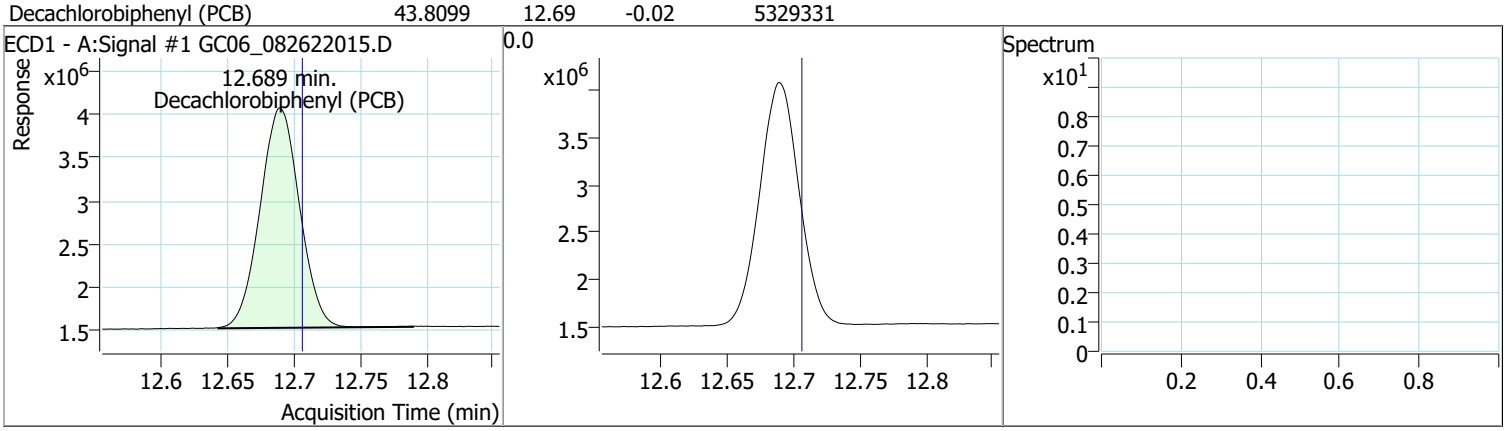
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	620.0017	11.34	-0.01	3290066				



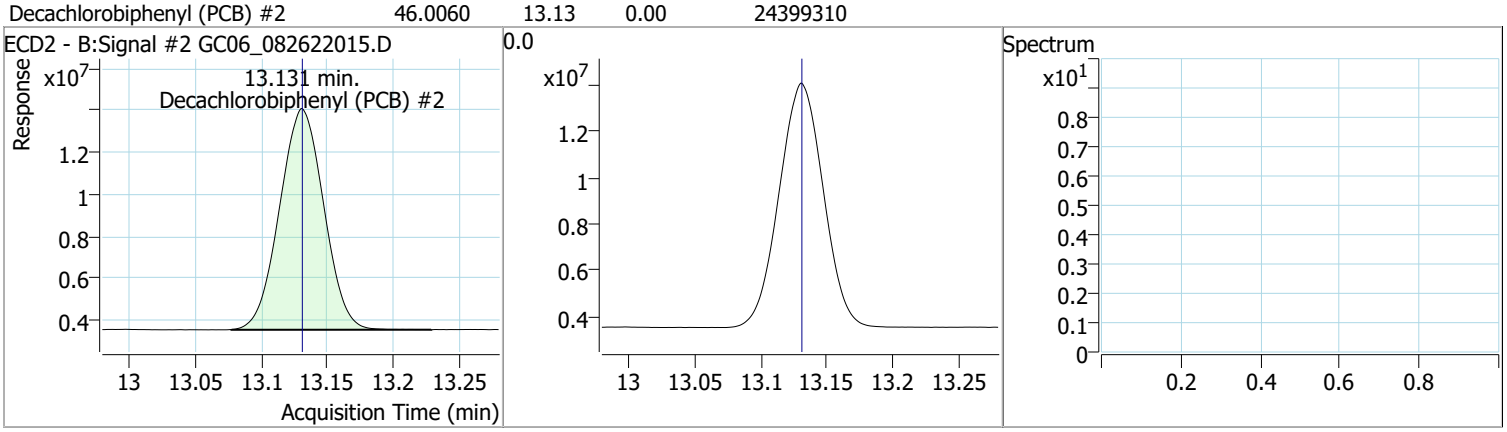
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	588.8391	11.66	0.00	19617131				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	43.8099	12.69	-0.02	5329331				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	46.0060	13.13	0.00	24399310				



Initial Calibration Raw Data

ENTHALPY INITIAL CALIBRATION FOR 467767 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_041422_1
Calibration #:	452150634002	Date:	14-APR-2022 18:41
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_041422015	452150634015		14-APR-2022 18:41	S16585 (100X), S16100 (250X)
L2	gc06_041422016	452150634016		14-APR-2022 18:58	S16585 (40X), S16100 (250X)
L3	gc06_041422017	452150634017		14-APR-2022 19:16	S16585 (20X), S16100 (250X)
L4	gc06_041422018	452150634018		14-APR-2022 19:33	S16585 (8X), S16100 (250X)
L5	gc06_041422019	452150634019		14-APR-2022 19:51	S16585 (4X), S16100 (250X)
L6	gc06_041422020	452150634020		14-APR-2022 20:09	S16585 (2.667X), S16100 (250X)
L7	gc06_041422021	452150634021		14-APR-2022 20:26	S16585 (2X), S16100 (250X)
L8	gc06_041422022	452150634022		14-APR-2022 20:44	S16585 (1.33X), S16100 (250X)
L9	gc06_041422023	452150634023		14-APR-2022 21:01	S16585, S16100 (250X)

Analyte	Ch	Type	a0	a1	a2	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		51.1278		0.0196	12	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		23.4813		0.0426	17	9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		19.9522		0.0501	7	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		26.6618		0.0375	10	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		34.4669		0.0290	13	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		15.8917		0.0629	17	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		10.3178		0.0969	16	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		9.92526		0.1008	11	9	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		19.9568		0.0501	14	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		15.0787		0.0663	10	9	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.65776		1.5203	11	9	.99	20	
TCMX (PCB)	A	AVRG		1.03976		0.9618	12	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		53.4063		0.0187	13	8	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		25.7342		0.0389	10	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		19.5135		0.0512	8	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		28.7624		0.0348	10	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		36.7890		0.0272	8	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		16.5241		0.0605	17	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		14.3009		0.0699	15	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		10.5262		0.0950	13	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		19.4527		0.0514	13	9	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		13.1942		0.0758	14	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.82881		1.2065	11	9	.99	20	
TCMX (PCB)	B	AVRG		1.09191		0.9158	4	9	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

ENTHALPY INITIAL CALIBRATION FOR 467767 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_041422_1
Calibration #:	452150634002	Date:	14-APR-2022 18:41
Units:	ug/L	X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0231	0.0227	0.0209	0.0201	0.0187	0.0179	0.0181	0.0177	0.0170
Aroclor-1016 Peak # 2	A	0.0579	0.0492	0.0459	0.0411	0.0401	0.0377	0.0380	0.0376	0.0358
Aroclor-1016 Peak # 3	A	0.0556	0.0544	0.0533	0.0502	0.0495	0.0465	0.0475	0.0478	0.0462
Aroclor-1016 Peak # 4	A	0.0452	0.0402	0.0403	0.0373	0.0367	0.0344	0.0348	0.0349	0.0336
Aroclor-1016 Peak # 5	A	0.0366	0.0313	0.0318	0.0288	0.0282	0.0260	0.0265	0.0266	0.0254
Aroclor-1260 Peak # 1	A	0.0863	0.0696	0.0704	0.0605	0.0604	0.0546	0.0553	0.0564	0.0528
Aroclor-1260 Peak # 2	A	0.1290	0.1076	0.1081	0.0929	0.0932	0.0843	0.0856	0.0887	0.0829
Aroclor-1260 Peak # 3	A	0.1233	0.1080	0.1086	0.0954	0.0970	0.0903	0.0930	0.0985	0.0928
Aroclor-1260 Peak # 4	A	0.0649	0.0543	0.0546	0.0479	0.0490	0.0442	0.0449	0.0473	0.0440
Aroclor-1260 Peak # 5	A	0.0797	0.0687	0.0724	0.0626	0.0650	0.0598	0.0618	0.0654	0.0615
Decachlorobiphenyl (PCB)	A	1.7379	1.5882	1.7199	1.5711	1.6300	1.3467	1.3670	1.4227	1.2993
TCMX (PCB)	A	1.2458	1.0303	0.9495	0.8937	0.9019	0.8810	0.9149	0.9235	0.9152
Aroclor-1016 Peak # 1	B		0.0232	0.0215	0.0191	0.0183	0.0172	0.0173	0.0168	0.0162
Aroclor-1016 Peak # 2	B	0.0444	0.0428	0.0426	0.0397	0.0384	0.0360	0.0363	0.0355	0.0340
Aroclor-1016 Peak # 3	B	0.0572	0.0573	0.0541	0.0510	0.0506	0.0471	0.0486	0.0480	0.0473
Aroclor-1016 Peak # 4	B	0.0420	0.0372	0.0371	0.0352	0.0341	0.0320	0.0325	0.0320	0.0309
Aroclor-1016 Peak # 5	B	0.0313	0.0295	0.0290	0.0271	0.0270	0.0252	0.0256	0.0255	0.0245
Aroclor-1260 Peak # 1	B	0.0820	0.0682	0.0674	0.0585	0.0578	0.0528	0.0531	0.0540	0.0509
Aroclor-1260 Peak # 2	B	0.0913	0.0772	0.0777	0.0683	0.0672	0.0613	0.0623	0.0639	0.0601
Aroclor-1260 Peak # 3	B	0.1205	0.1032	0.1035	0.0913	0.0919	0.0839	0.0860	0.0896	0.0852
Aroclor-1260 Peak # 4	B	0.0648	0.0555	0.0557	0.0505	0.0510	0.0461	0.0439	0.0490	0.0462
Aroclor-1260 Peak # 5	B	0.0991	0.0829	0.0833	0.0720	0.0729	0.0663	0.0670	0.0713	0.0673
Decachlorobiphenyl (PCB)	B	1.4005	1.2744	1.3672	1.2436	1.2790	1.0642	1.0803	1.1172	1.0325
TCMX (PCB)	B	1.0035	0.9180	0.8869	0.8884	0.9009	0.8817	0.9159	0.9229	0.9244

ENTHALPY INITIAL CALIBRATION FOR 467767 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_041422_1
Calibration #:	452150634002	Date:	14-APR-2022 18:41
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	18	50.000	16	100.00	7	250.00	3	500.00	-4	749.91	-9	1000.0	-8	1503.8	-10
Aroclor-1016 Peak # 2	A	20.000	**36**	50.000	15	100.00	8	250.00	-3	500.00	-6	749.91	-11	1000.0	-11	1503.8	-12
Aroclor-1016 Peak # 3	A	20.000	11	50.000	9	100.00	6	250.00	0	500.00	-1	749.91	-7	1000.0	-5	1503.8	-5
Aroclor-1016 Peak # 4	A	20.000	**21**	50.000	7	100.00	8	250.00	-1	500.00	-2	749.91	-8	1000.0	-7	1503.8	-7
Aroclor-1016 Peak # 5	A	20.000	**26**	50.000	8	100.00	9	250.00	-1	500.00	-3	749.91	-11	1000.0	-9	1503.8	-8
Aroclor-1260 Peak # 1	A	20.000	**37**	50.000	11	100.00	12	250.00	-4	500.00	-4	749.91	-13	1000.0	-12	1503.8	-10
Aroclor-1260 Peak # 2	A	20.000	**33**	50.000	11	100.00	11	250.00	-4	500.00	-4	749.91	-13	1000.0	-12	1503.8	-8
Aroclor-1260 Peak # 3	A	20.000	**22**	50.000	7	100.00	8	250.00	-5	500.00	-4	749.91	-10	1000.0	-8	1503.8	-2
Aroclor-1260 Peak # 4	A	20.000	**29**	50.000	8	100.00	9	250.00	-4	500.00	-2	749.91	-12	1000.0	-10	1503.8	-6
Aroclor-1260 Peak # 5	A	20.000	20	50.000	4	100.00	9	250.00	-6	500.00	-2	749.91	-10	1000.0	-7	1503.8	-1
Decachlorobiphenyl (PCB)	A	0.8000	14	2.0000	4	4.0000	13	10.000	3	20.000	7	29.996	-11	40.000	-10	60.150	-6
TCMX (PCB)	A	0.8000	**30**	2.0000	7	4.0000	-1	10.000	-7	20.000	-6	29.996	-8	40.000	-5	60.150	-4
Aroclor-1016 Peak # 1	B			50.000	**24**	100.00	15	250.00	2	500.00	-2	749.91	-8	1000.0	-8	1503.8	-10
Aroclor-1016 Peak # 2	B	20.000	14	50.000	10	100.00	10	250.00	2	500.00	-1	749.91	-7	1000.0	-7	1503.8	-9
Aroclor-1016 Peak # 3	B	20.000	12	50.000	12	100.00	6	250.00	0	500.00	-1	749.91	-8	1000.0	-5	1503.8	-6
Aroclor-1016 Peak # 4	B	20.000	**21**	50.000	7	100.00	7	250.00	1	500.00	-2	749.91	-8	1000.0	-6	1503.8	-8
Aroclor-1016 Peak # 5	B	20.000	15	50.000	8	100.00	7	250.00	0	500.00	-1	749.91	-7	1000.0	-6	1503.8	-6
Aroclor-1260 Peak # 1	B	20.000	**35**	50.000	13	100.00	11	250.00	-3	500.00	-4	749.91	-13	1000.0	-12	1503.8	-11
Aroclor-1260 Peak # 2	B	20.000	**31**	50.000	10	100.00	11	250.00	-2	500.00	-4	749.91	-12	1000.0	-11	1503.8	-9
Aroclor-1260 Peak # 3	B	20.000	**27**	50.000	9	100.00	9	250.00	-4	500.00	-3	749.91	-12	1000.0	-10	1503.8	-6
Aroclor-1260 Peak # 4	B	20.000	**26**	50.000	8	100.00	8	250.00	-2	500.00	-1	749.91	-10	1000.0	-15	1503.8	-5
Aroclor-1260 Peak # 5	B	20.000	**31**	50.000	9	100.00	10	250.00	-5	500.00	-4	749.91	-13	1000.0	-12	1503.8	-6
Decachlorobiphenyl (PCB)	B	0.8000	16	2.0000	6	4.0000	13	10.000	3	20.000	6	29.996	-12	40.000	-10	60.150	-7
TCMX (PCB)	B	0.8000	10	2.0000	0	4.0000	-3	10.000	-3	20.000	-2	29.996	-4	40.000	0	60.150	1

ENTHALPY INITIAL CALIBRATION FOR 467767 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_041422_1
Calibration #:	452150634002	Date:	14-APR-2022 18:41
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-13
Aroclor-1016 Peak # 2	A	2000.0	-16
Aroclor-1016 Peak # 3	A	2000.0	-8
Aroclor-1016 Peak # 4	A	2000.0	-10
Aroclor-1016 Peak # 5	A	2000.0	-12
Aroclor-1260 Peak # 1	A	2000.0	-16
Aroclor-1260 Peak # 2	A	2000.0	-14
Aroclor-1260 Peak # 3	A	2000.0	-8
Aroclor-1260 Peak # 4	A	2000.0	-12
Aroclor-1260 Peak # 5	A	2000.0	-7
Decachlorobiphenyl (PCB)	A	80.000	-15
TCMX (PCB)	A	80.000	-5
Aroclor-1016 Peak # 1	B	2000.0	-14
Aroclor-1016 Peak # 2	B	2000.0	-12
Aroclor-1016 Peak # 3	B	2000.0	-8
Aroclor-1016 Peak # 4	B	2000.0	-11
Aroclor-1016 Peak # 5	B	2000.0	-10
Aroclor-1260 Peak # 1	B	2000.0	-16
Aroclor-1260 Peak # 2	B	2000.0	-14
Aroclor-1260 Peak # 3	B	2000.0	-10
Aroclor-1260 Peak # 4	B	2000.0	-10
Aroclor-1260 Peak # 5	B	2000.0	-11
Decachlorobiphenyl (PCB)	B	80.000	-14
TCMX (PCB)	B	80.000	1

TJW 04/15/22 : Manually integrated due to baseline corrections for all channels in multiple levels

Analyst: TJW 04/15/22

Reviewer: LW 04/15/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 467767 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Name:	PCB_041422_1
Calnum:	452150634002	Cal Date:	14-APR-2022

- ICV 452150634025 (gc06_041422025 14-APR-2022) stds: S16736

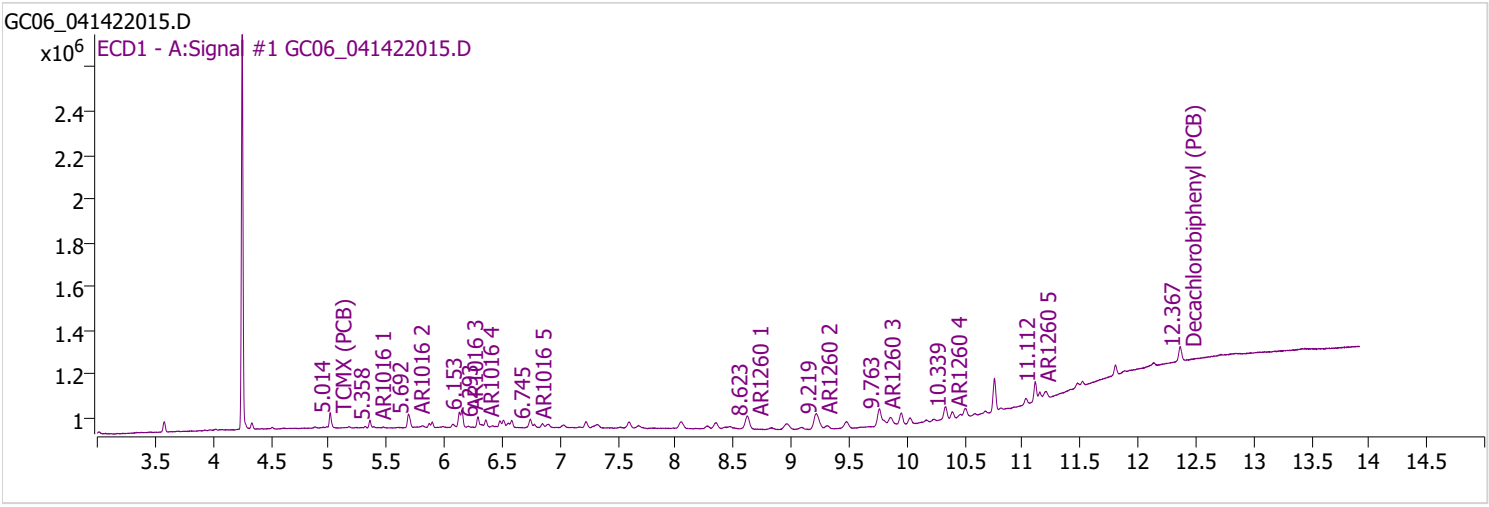
Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	470.1	ug/L	-6	15	
Aroclor-1260	A	500.0	484.1	ug/L	-3	15	
Aroclor-1016	B	500.0	481.4	ug/L	-4	15	
Aroclor-1260	B	500.0	486.3	ug/L	-3	15	

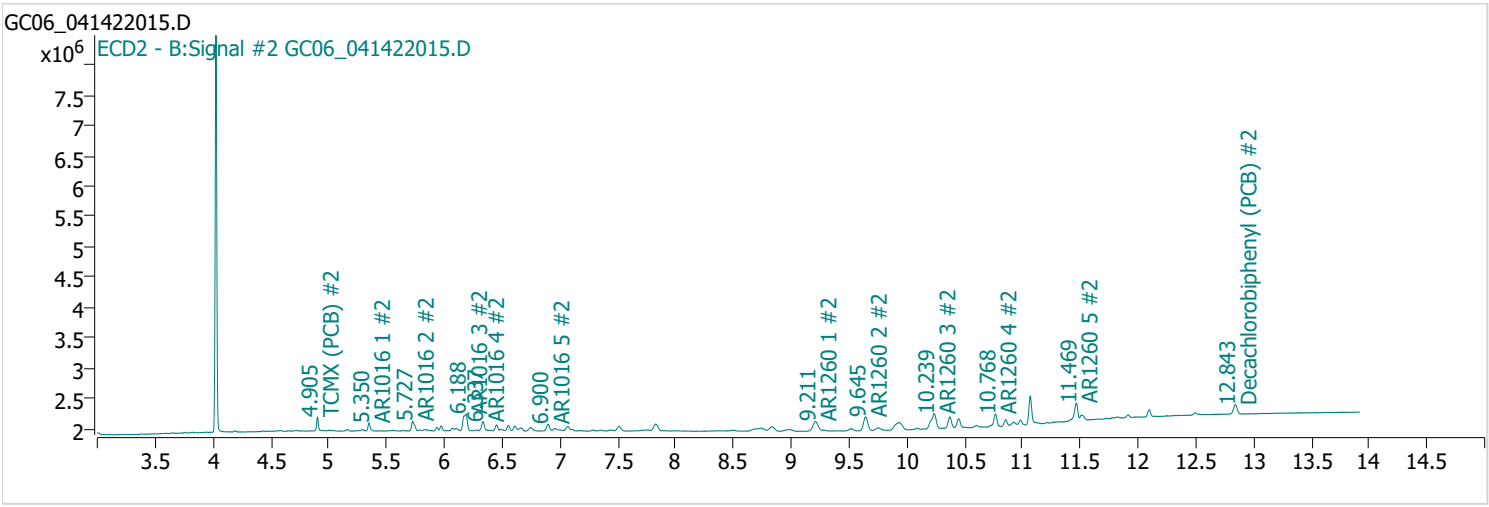
-

Analyst: TJW 04/15/22 **Reviewer:** LW 04/15/22

Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422015.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 6:41:09 PM
Sample Name	ICAL, S16585, 100	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 111	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



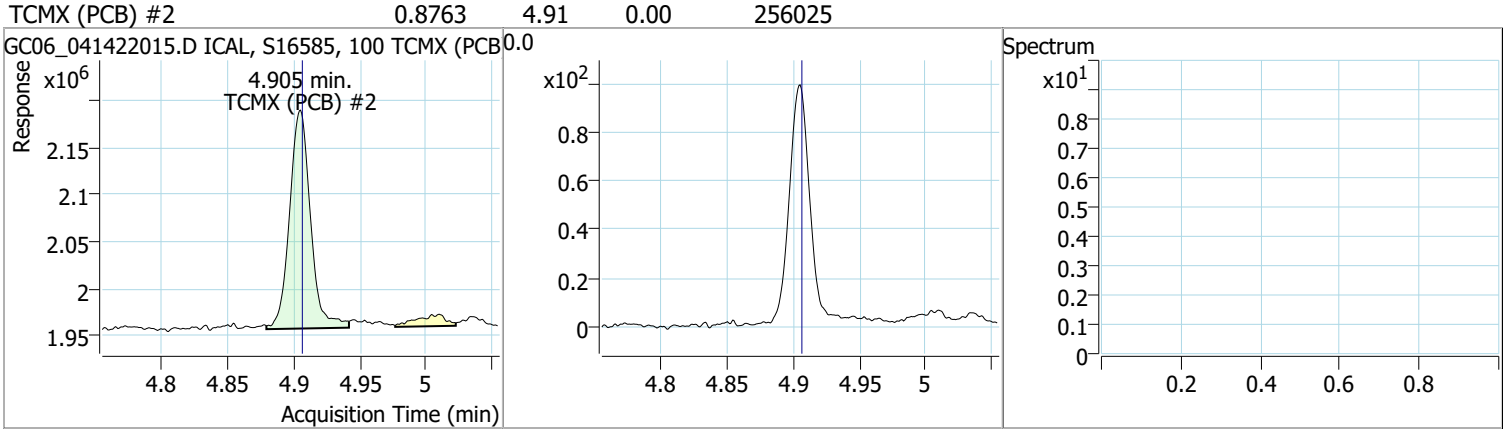


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.253	4.027	1793951	6378384	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.014	4.905	89398	256025	1.036	0.876	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	5.18% *	4.38% *	
S Decachlorobiphenyl (PCB)	12.367	12.843	124710	357322	0.914	0.928	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	4.57% *	4.64% *	
Target Compounds							
T AR1016 1	5.358	5.350	41404	194235	23.595	32.518 #	ng/ml
T AR1016 2	5.692	5.727	103843	283357	27.178	22.859	ng/ml
T AR1016 3	6.153	6.188	99825	364940 m	22.199	22.324	ng/ml
T AR1016 4	6.293	6.337	81145	267822	24.114	24.148	ng/ml
T AR1016 5	6.745	6.900	65739	199594	25.254	23.018	ng/ml
T AR1260 1	8.623	9.211	154821	522967	27.423	27.090	ng/ml
T AR1260 2	9.219	9.645	231396	582072	26.611	26.095	ng/ml
T AR1260 3	9.763	10.239	221143	768352	24.464	25.354	ng/ml
T AR1260 4	10.339	10.768	116367	413484	25.884	25.214	ng/ml

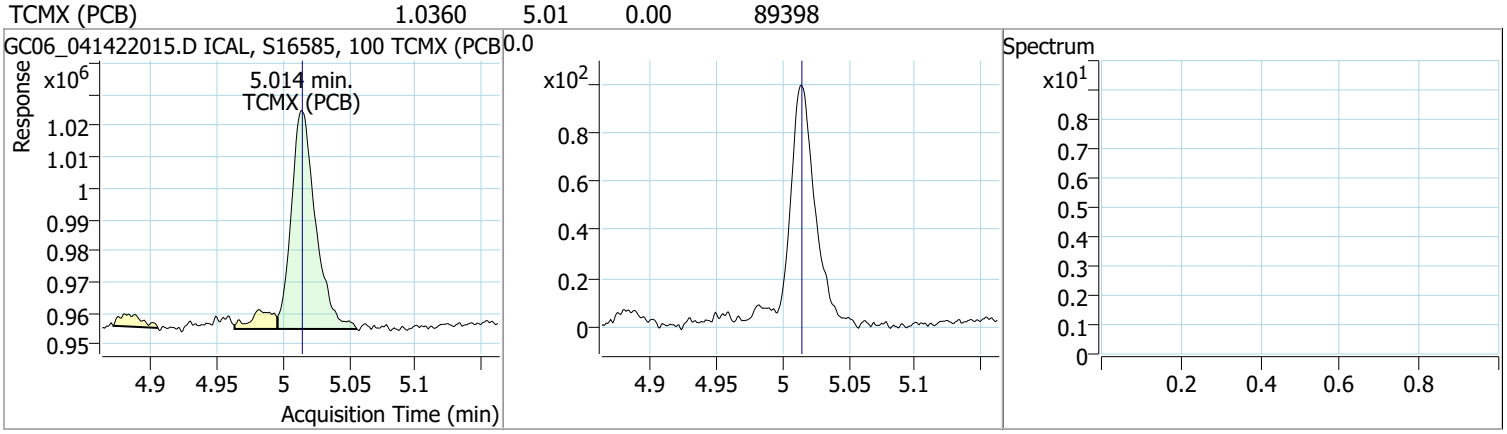
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.112	11.469	142909	632191	24.017	26.148	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

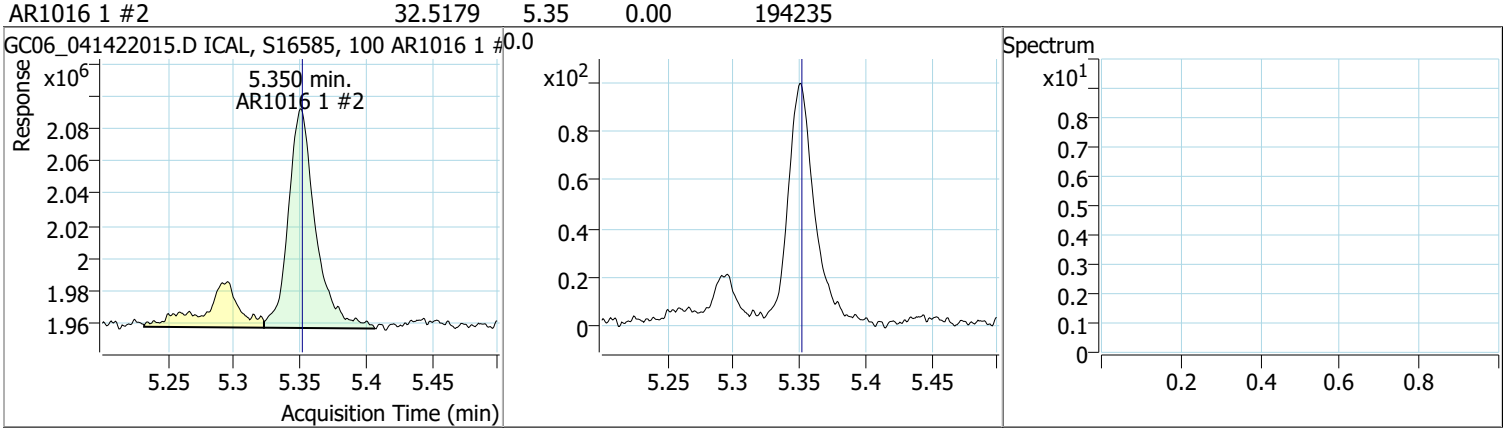
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	0.8763	4.91	0.00	256025			



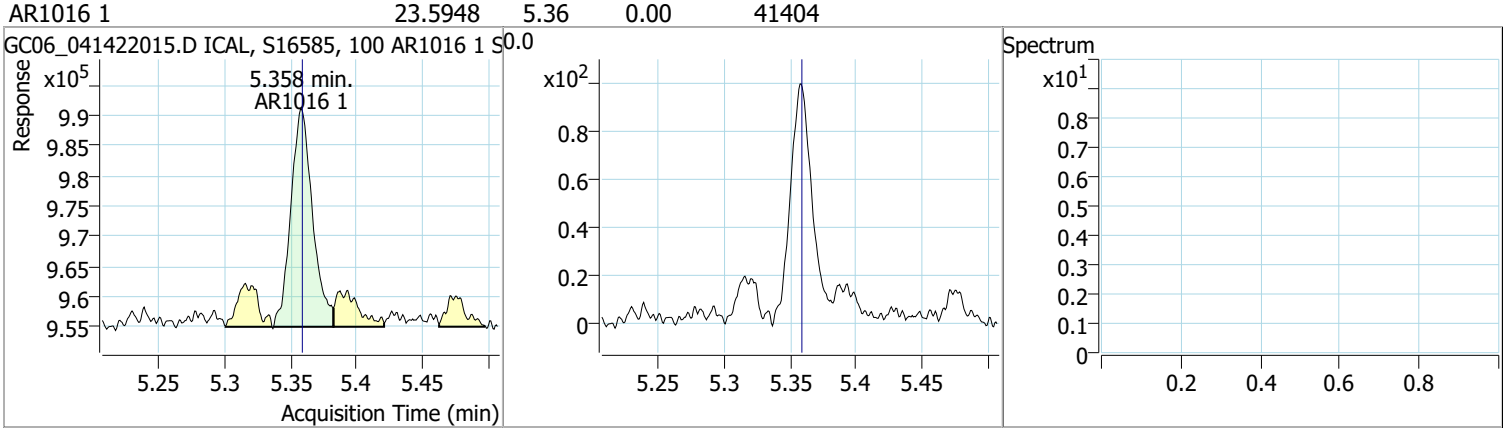
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	1.0360	5.01	0.00	89398			



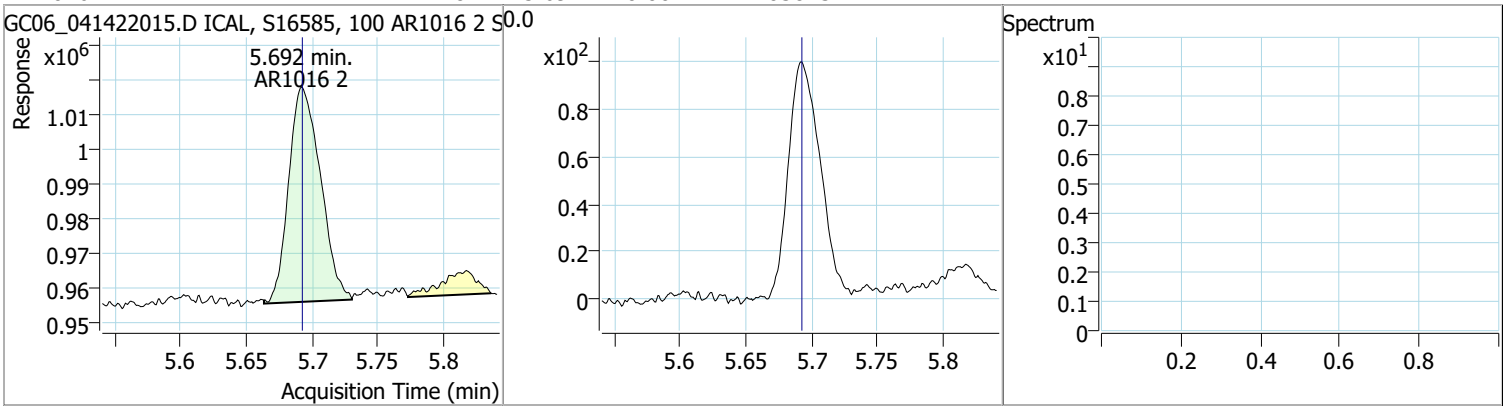
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	32.5179	5.35	0.00	194235			



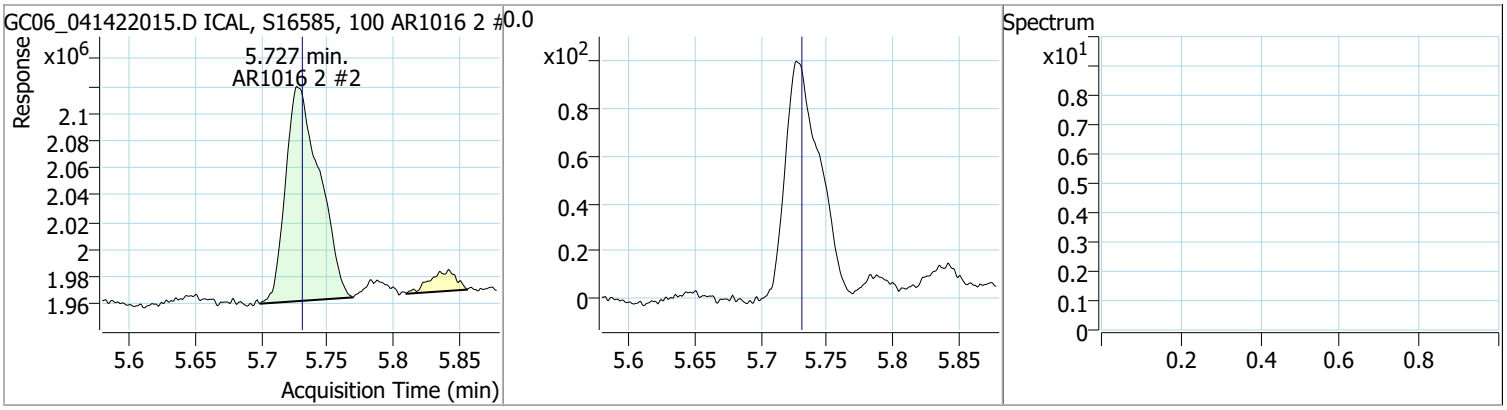
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	23.5948	5.36	0.00	41404			



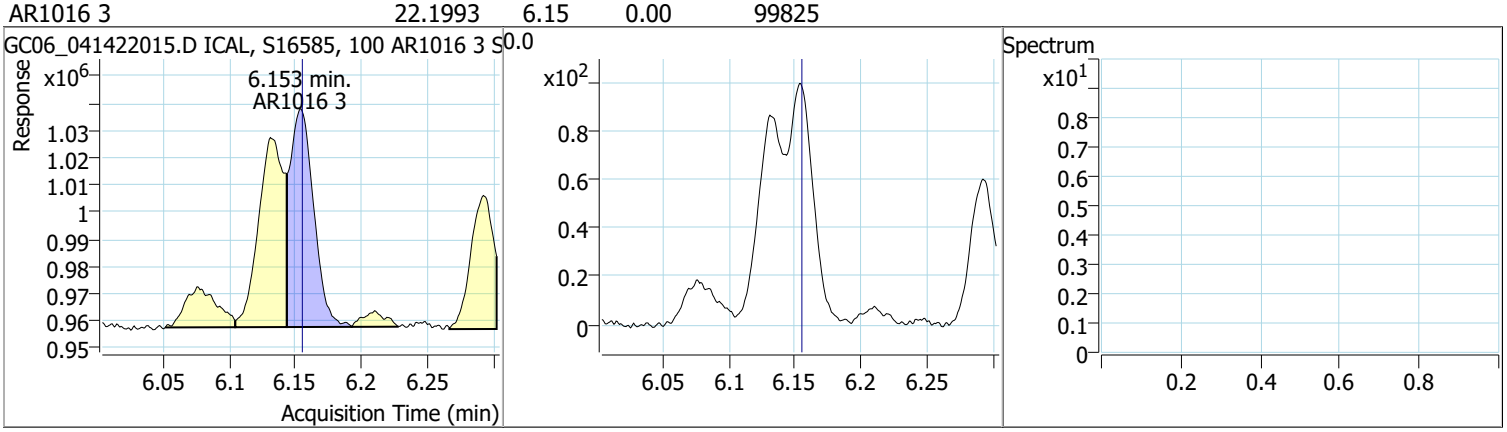
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	27.1781	5.69	0.00	103843			



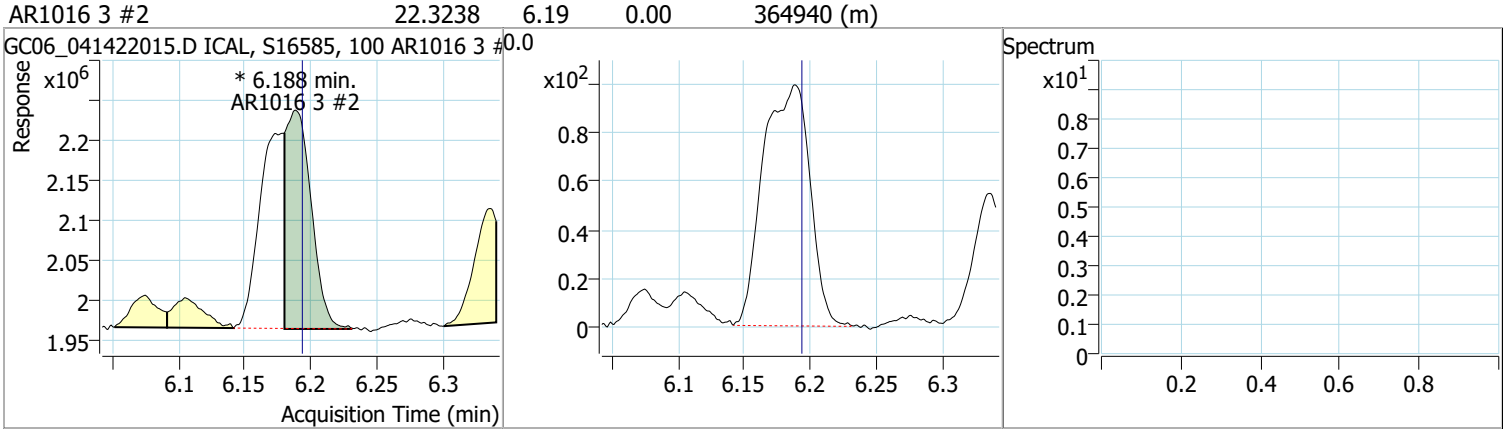
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	22.8591	5.73	0.00	283357			



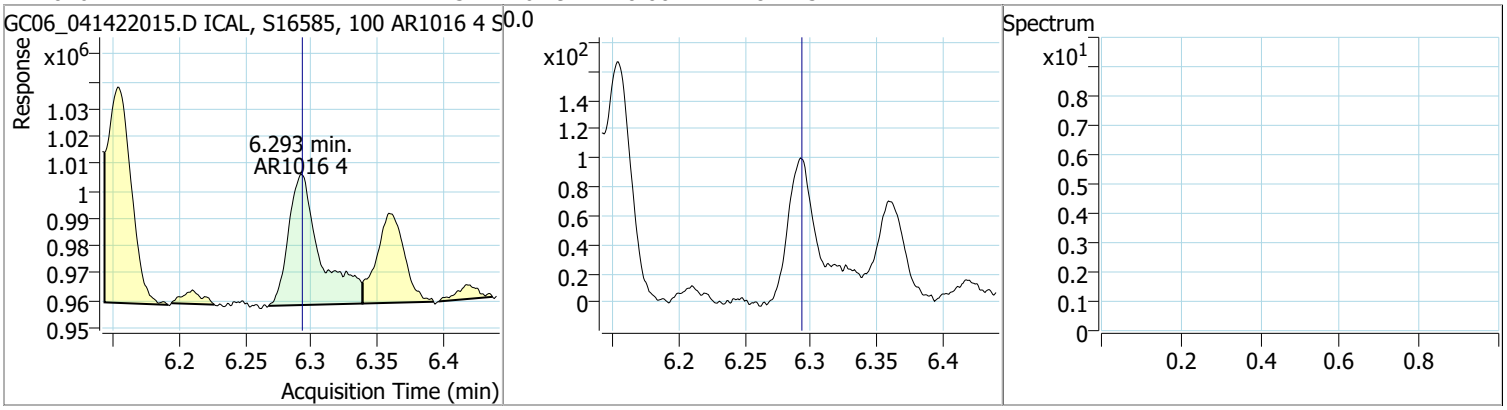
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	22.1993	6.15	0.00	99825			



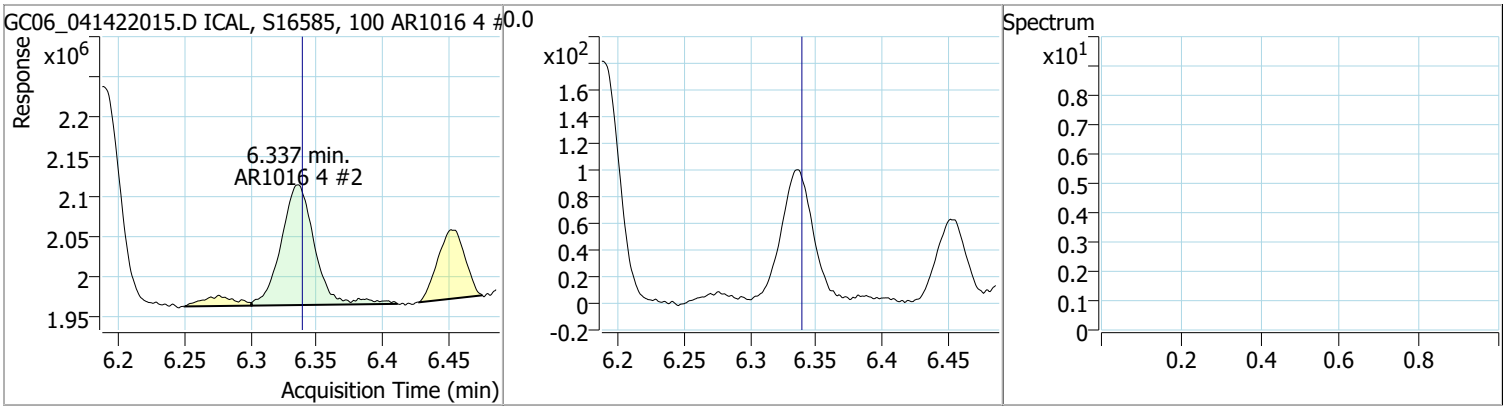
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	22.3238	6.19	0.00	364940 (m)			



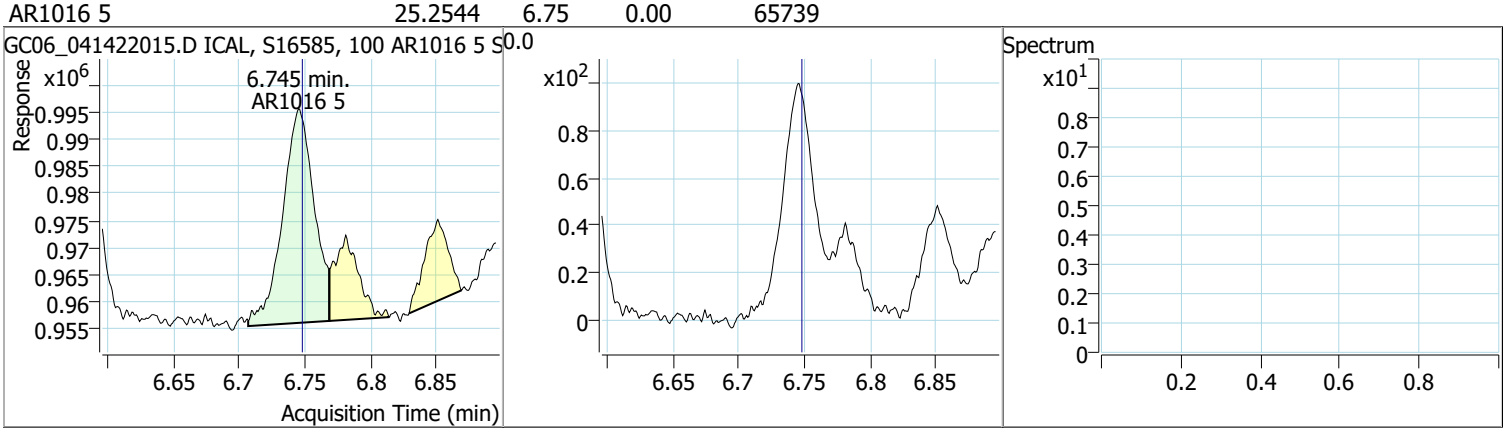
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
AR1016 4	24.1137	6.29	0.00	81145		



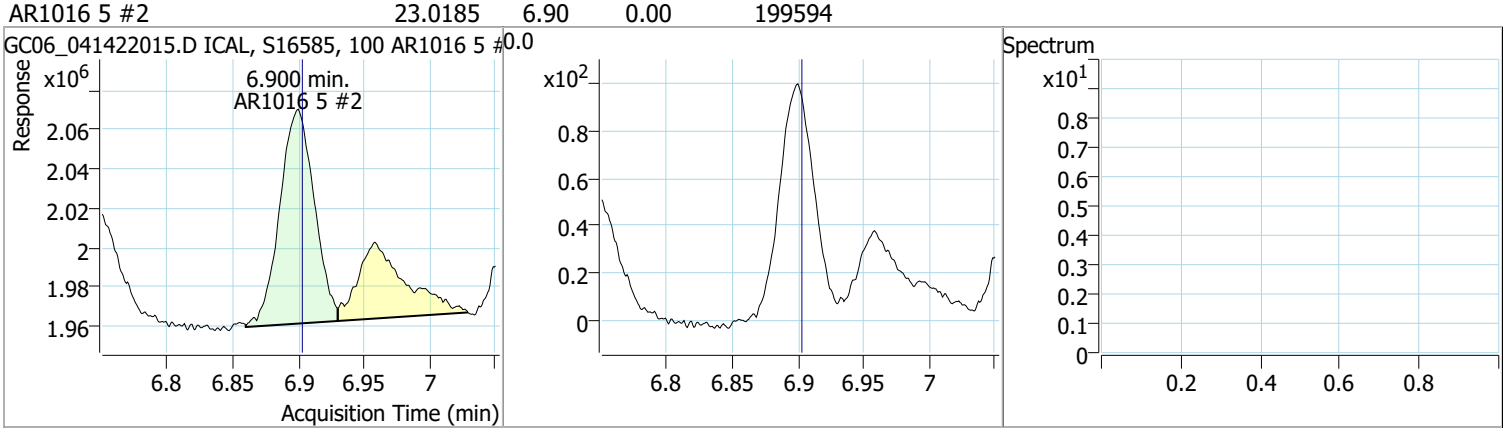
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	24.1482	6.34	0.00	267822		



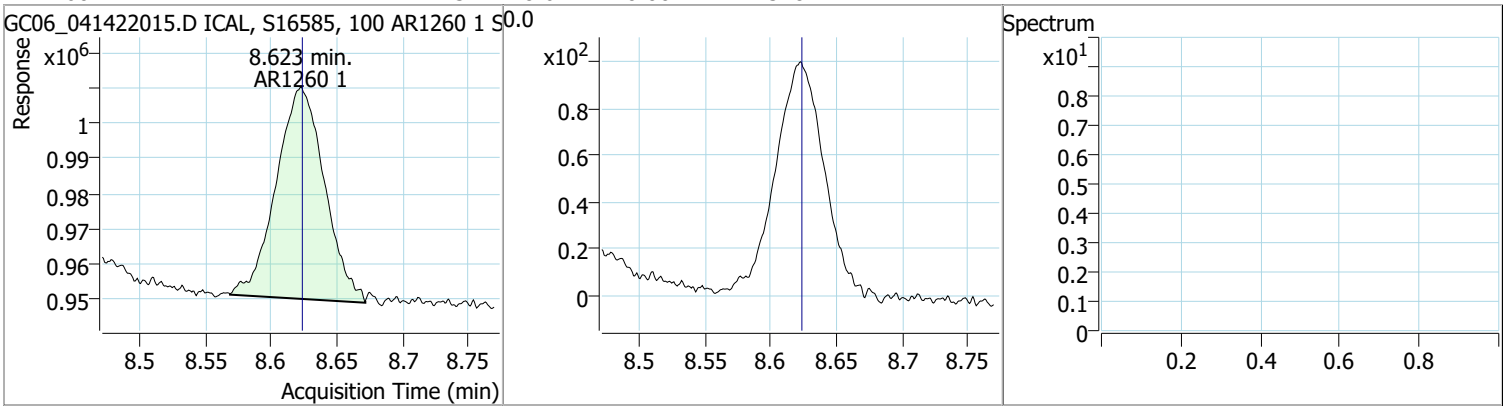
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
AR1016 5	25.2544	6.75	0.00	65739		



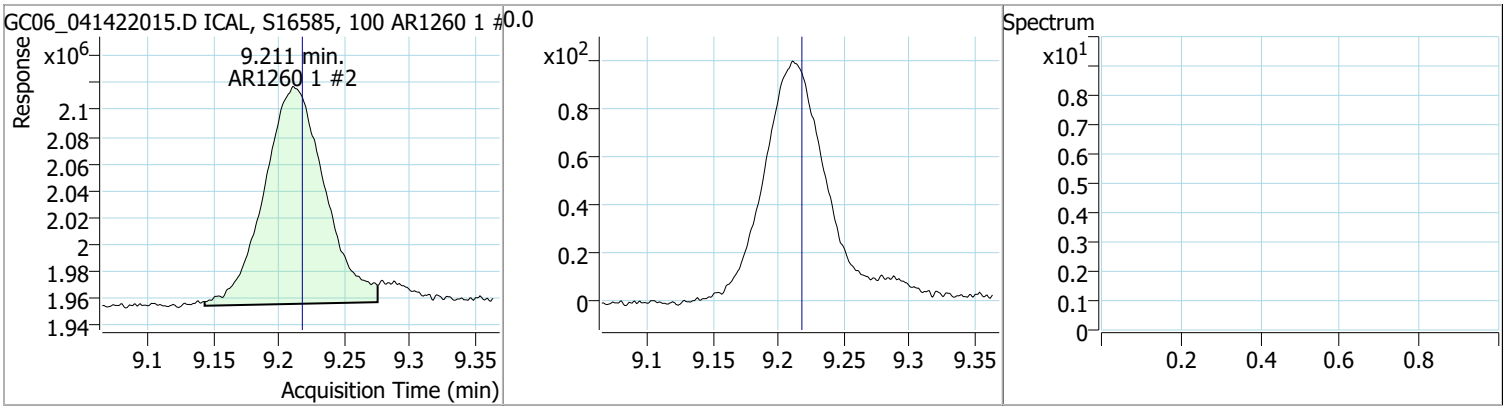
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	23.0185	6.90	0.00	199594		



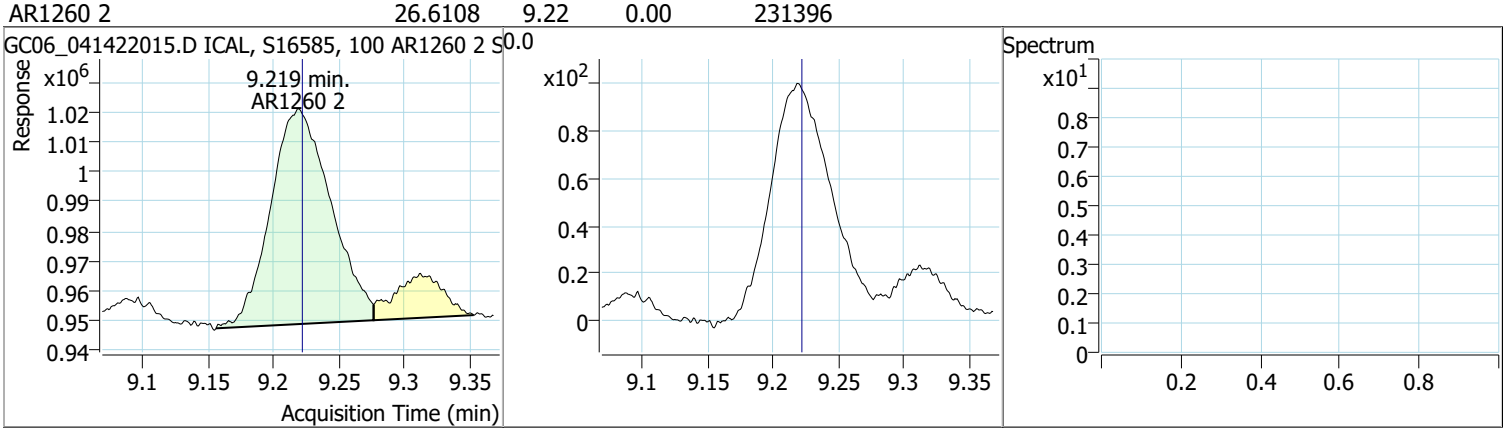
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	27.4232	8.62	0.00	154821			



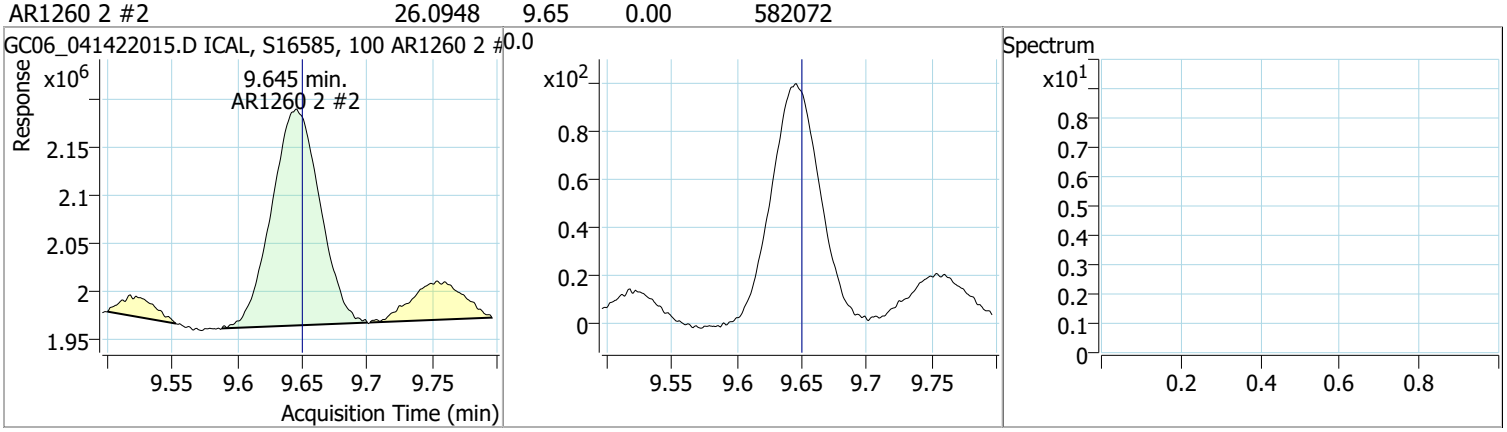
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	27.0901	9.21	0.00	522967			



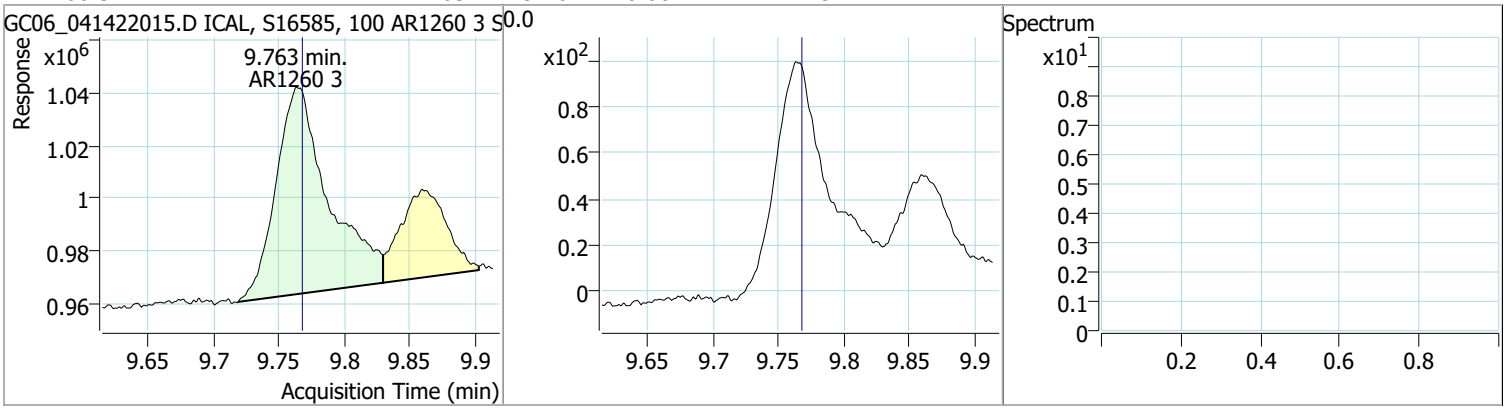
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	26.6108	9.22	0.00	231396			



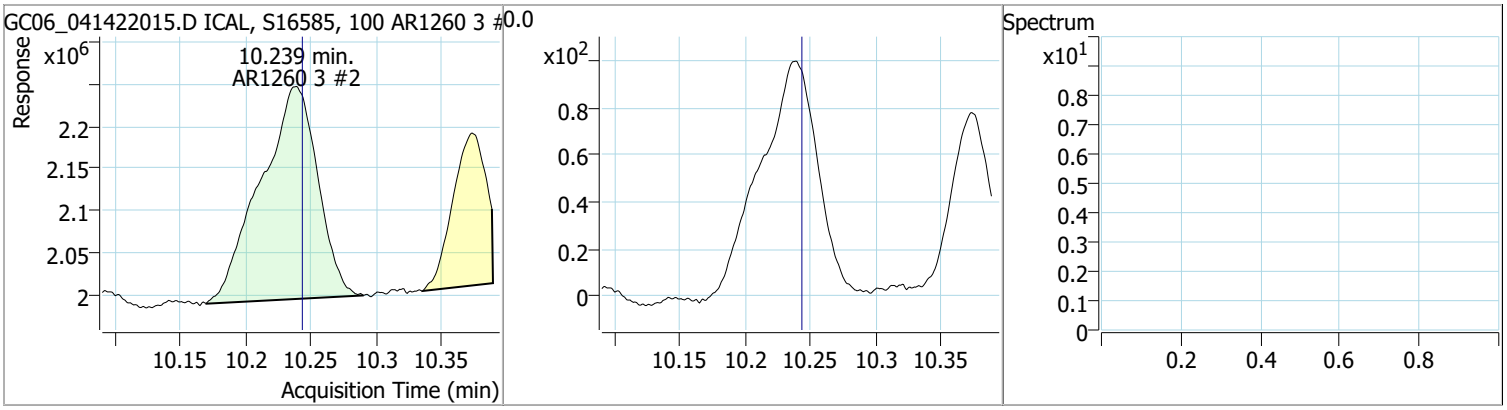
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	26.0948	9.65	0.00	582072			



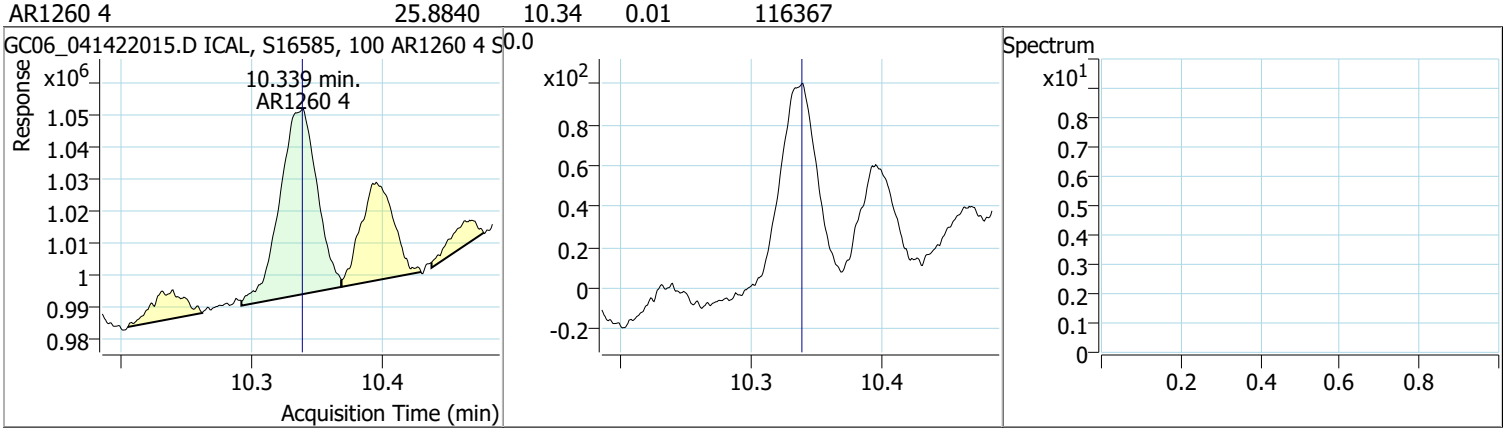
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	24.4637	9.76	0.00	221143			



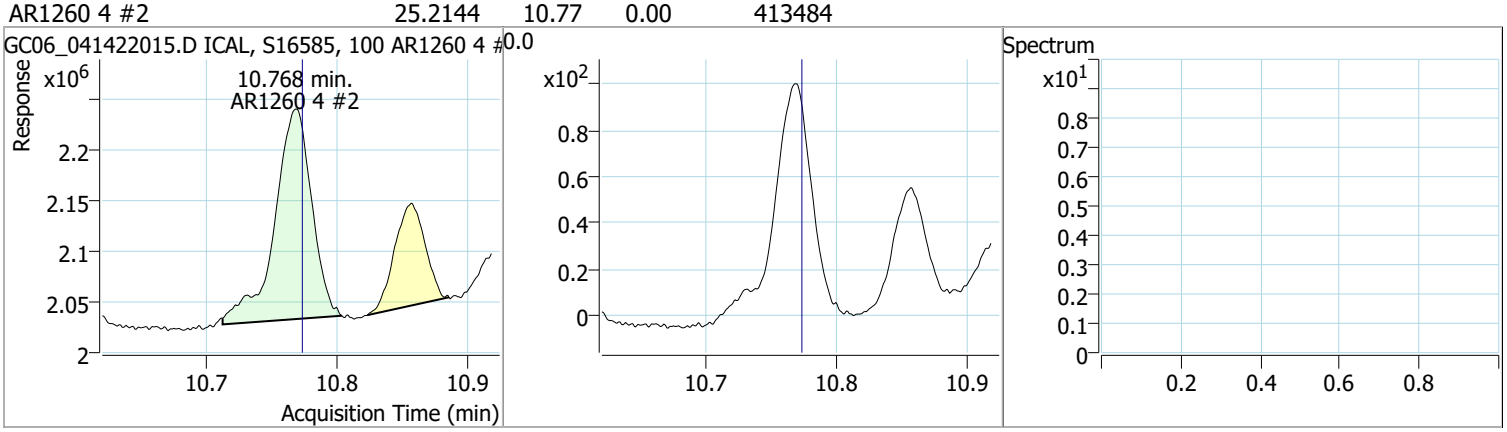
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	25.3537	10.24	0.00	768352			



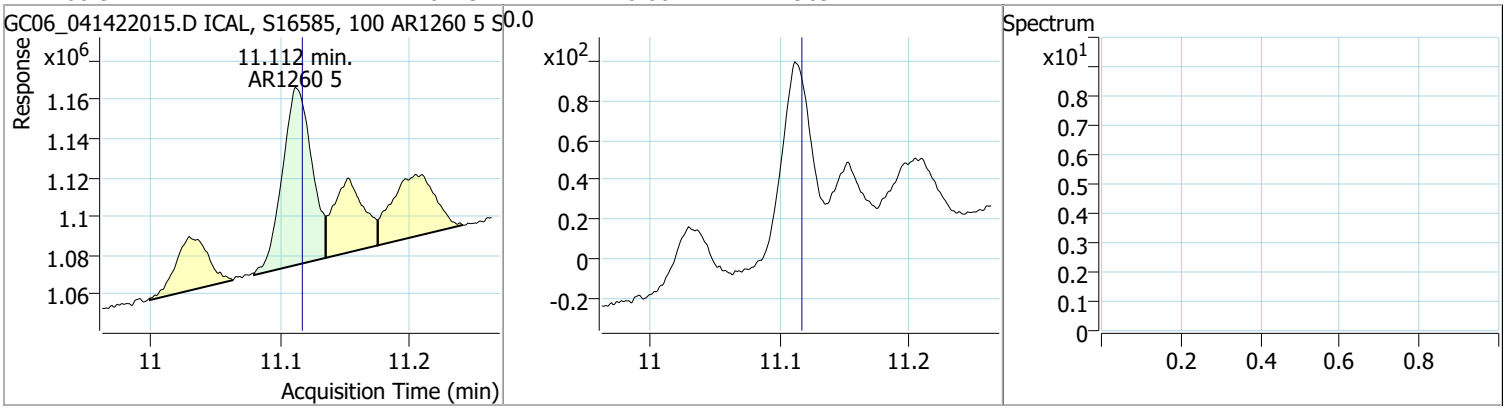
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	25.8840	10.34	0.01	116367			



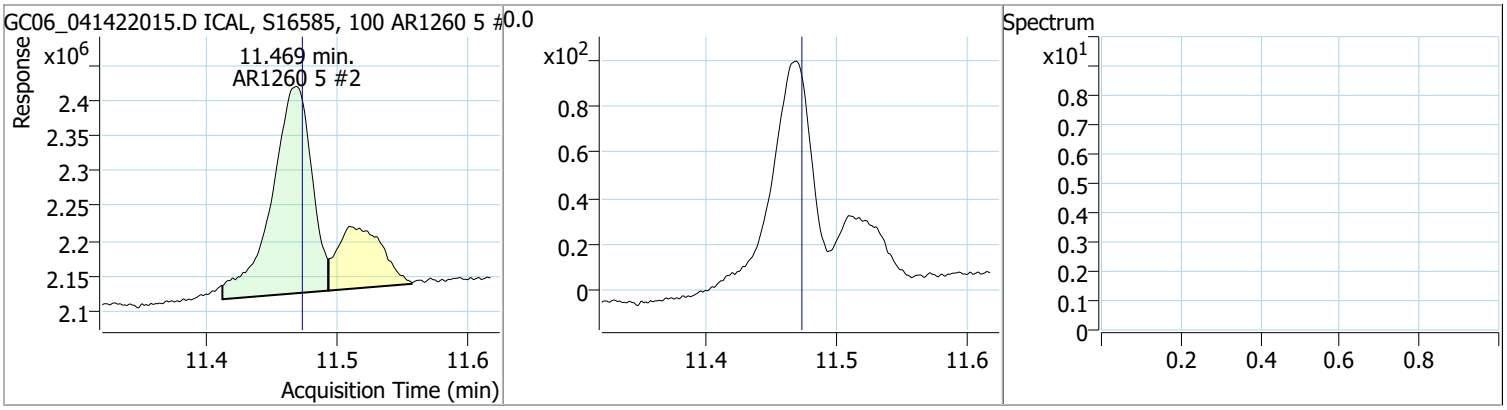
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	25.2144	10.77	0.00	413484			



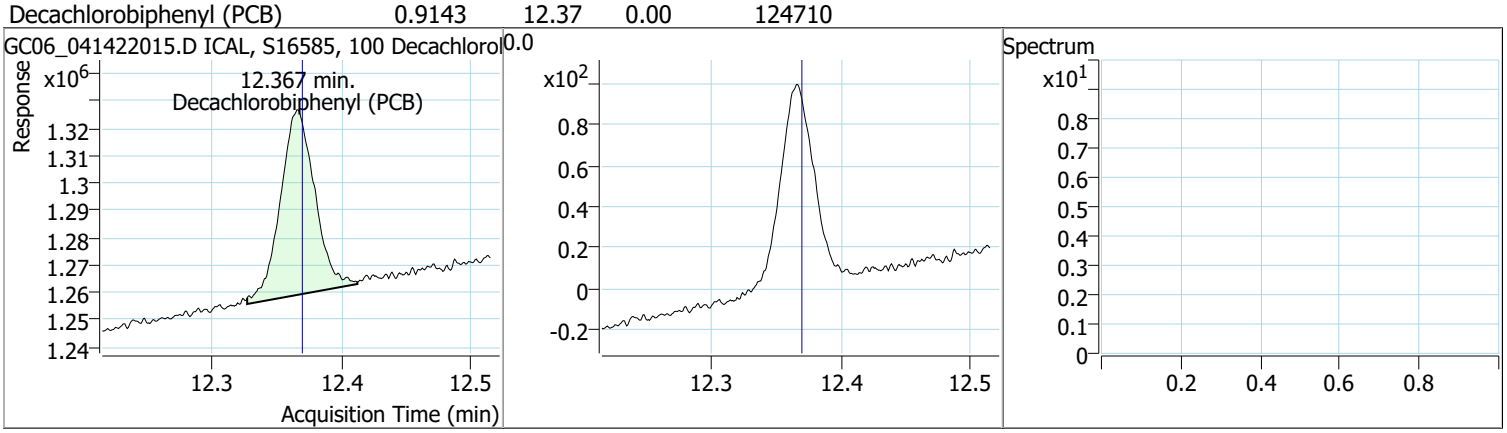
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	24.0175	11.11	0.00	142909			



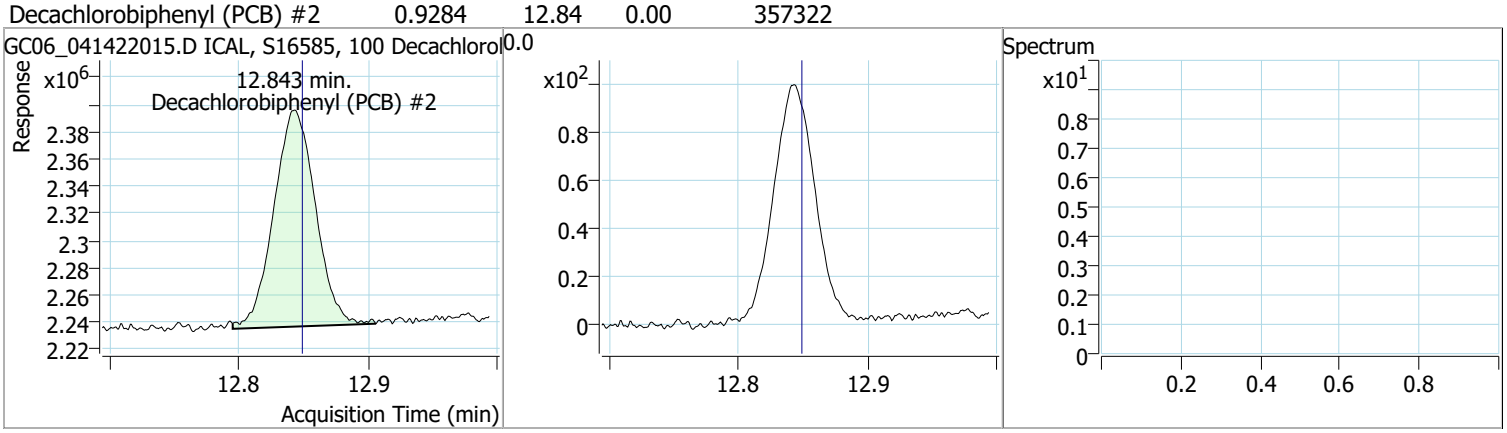
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	26.1482	11.47	0.00	632191			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	0.9143	12.37	0.00	124710			

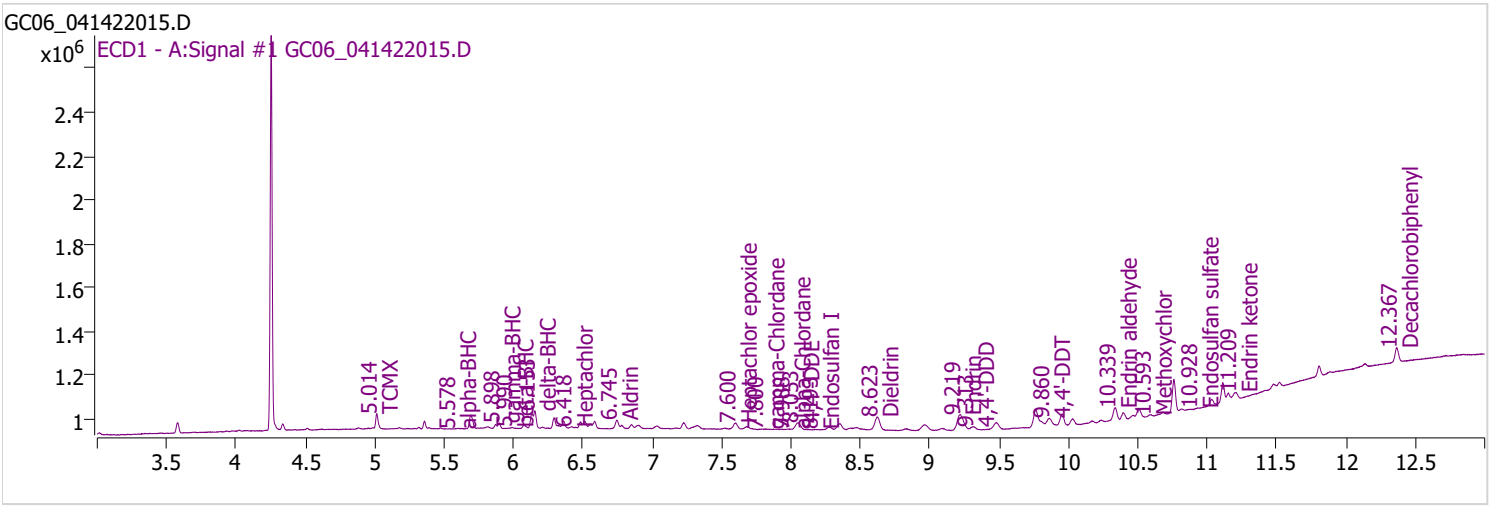


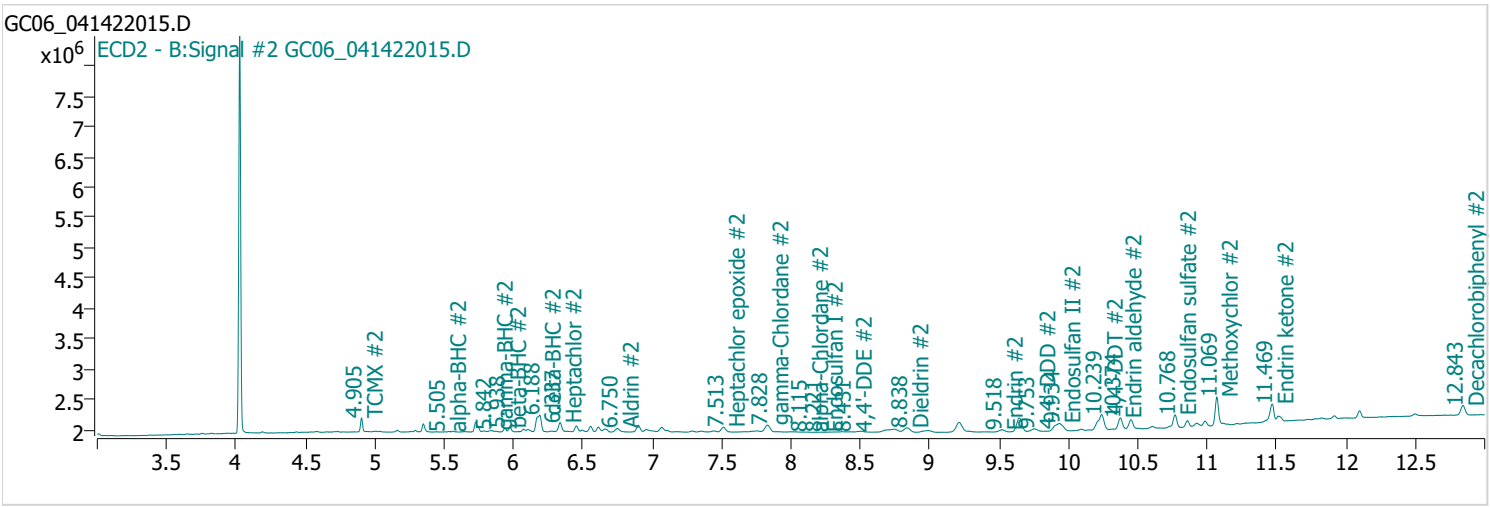
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	0.9284	12.84	0.00	357322			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422015.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 6:41:09 PM
Sample Name	ICAL, S16585, 100	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 111	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 6:55:24 PM



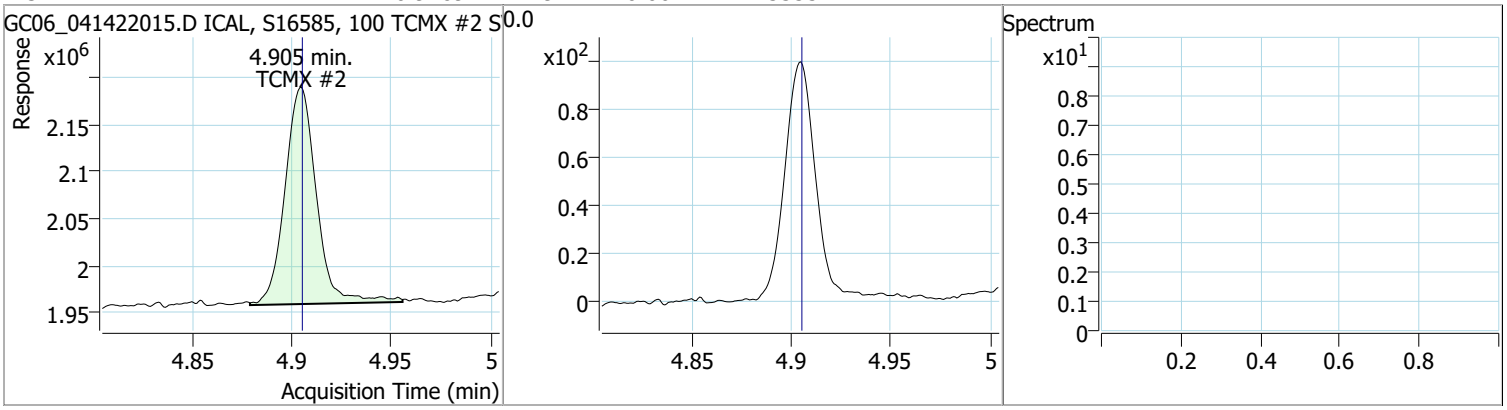


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.253	4.027	1774720	6352383	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.014	4.905	90330	253551	1.099	0.919	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	5.50% *	4.59% *	
S Decachlorobiphenyl	12.367	12.843	123436	345245	1.039	0.981	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	5.19% *	4.91% *	
Target Compounds							
T alpha-BHC	5.578	5.505	553	2637	0.006	0.008 #	ng/ml
T gamma-BHC	5.898	5.842	30350	51202	0.323	0.149 #	ng/ml
T beta-BHC	5.990	5.938	6611	76395	0.139	0.444 #	ng/ml
T delta-BHC	6.153	6.188	94954	669432	0.941	1.636 #	ng/ml
T Heptachlor	6.418	6.337	7750	264858	0.080	0.718 #	ng/ml
T Aldrin	6.745	6.750	65376	127208	0.686	0.353 #	ng/ml
T Heptachlor epoxide	7.600	7.513	54781	165853	0.587	0.506	ng/ml
T gamma-Chlordane	7.800	7.828	2517	258330	0.029	0.741 #	ng/ml
T alpha-Chlordane	7.988	8.115	2641	3581	0.031	0.012 #	ng/ml

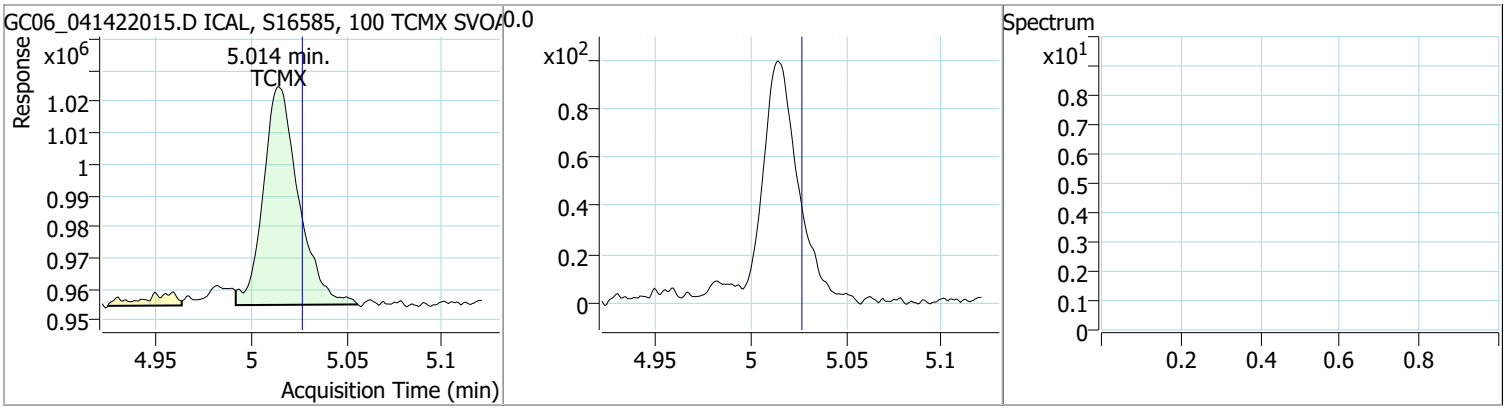
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.193	8.221	1453	1168	0.018	0.004 #	ng/ml
T 4,4'-DDE	8.053	8.431	80424	1178	0.957	0.004 #	ng/ml
T Dieldrin	8.623	8.838	157673	177695	1.679	0.574 #	ng/ml
T Endrin	9.219	9.518	234737	105500	2.650	0.376 #	ng/ml
T 4,4'-DDD	9.313	9.753	24757	119452	0.391	0.480	ng/ml
T Endosulfan II	----	9.934 f	0	542724	N.D.	1.744 #	ng/ml
T 4,4'-DDT	9.860	10.239	77219	762866	0.990	2.406 #	ng/ml
T Endrin aldehyde	10.339	10.374	31868	366941	0.499	1.596 #	ng/ml
T Endosulfan sulfate	10.928	10.768	3135	395804	0.041	1.508 #	ng/ml
T Methoxychlor	10.593	11.069 f	14377	843779	0.298	5.159 #	ng/ml
T Endrin ketone	11.209	11.469 f	48846	729349	0.509	2.166 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

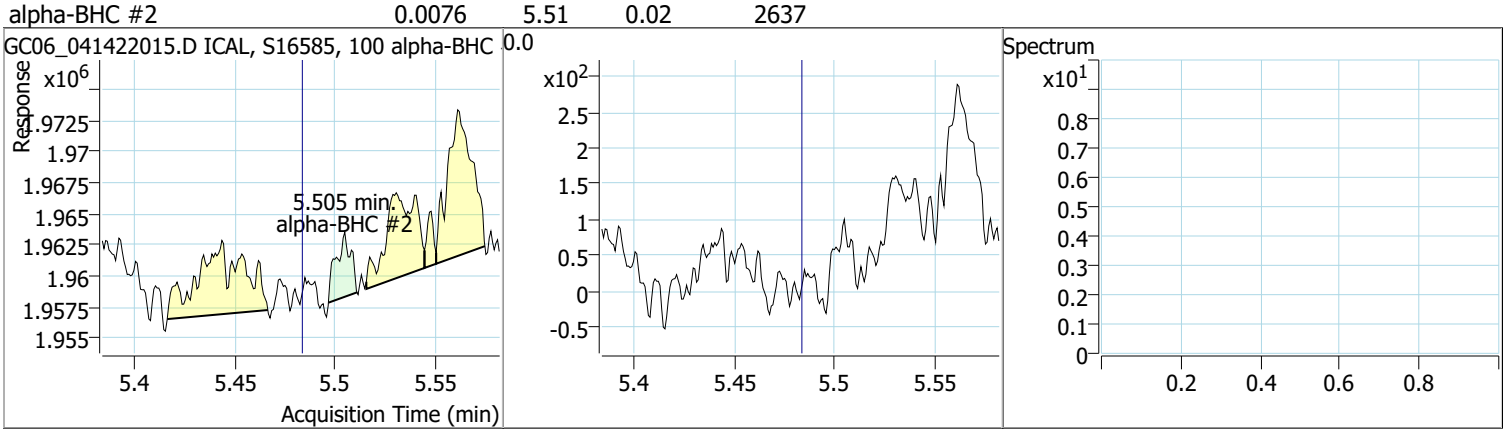
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	0.9189	4.91	0.00	253551			



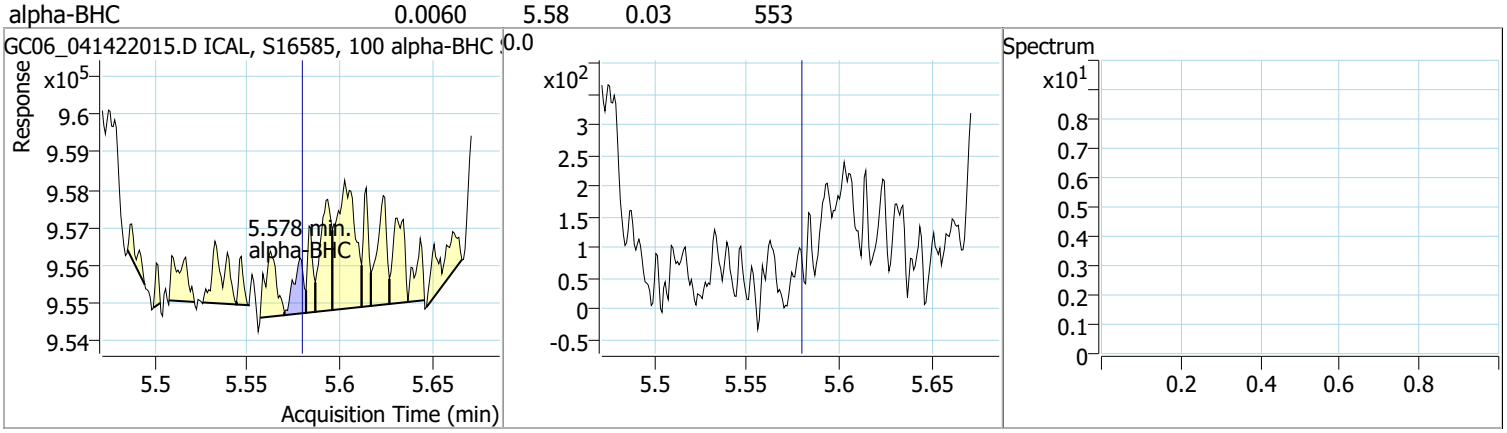
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	1.0990	5.01	0.02	90330			



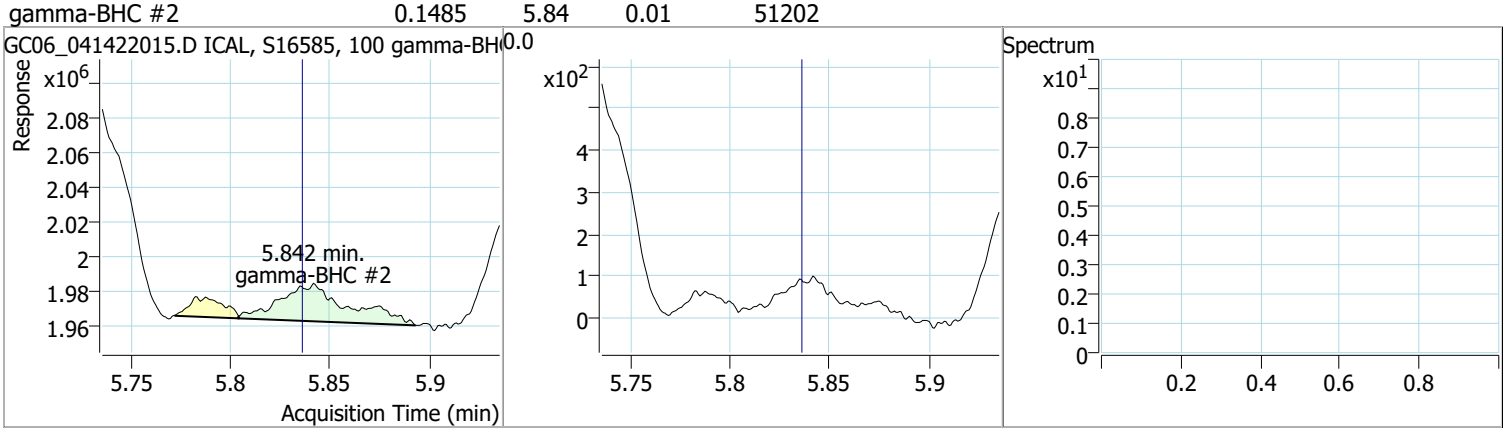
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	0.0076	5.51	0.02	2637			



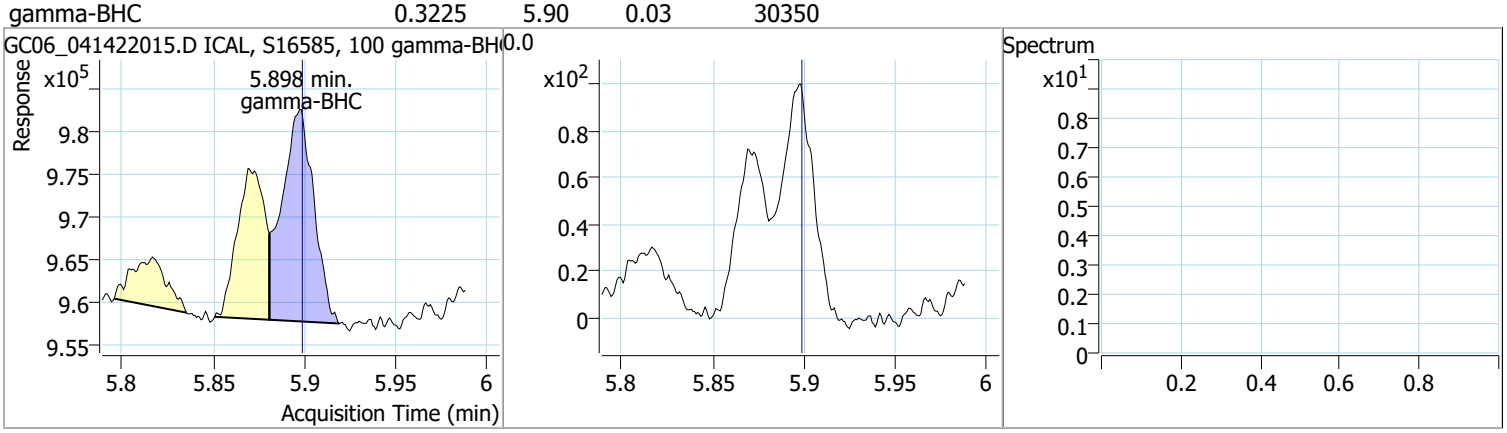
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC	0.0060	5.58	0.03	553			



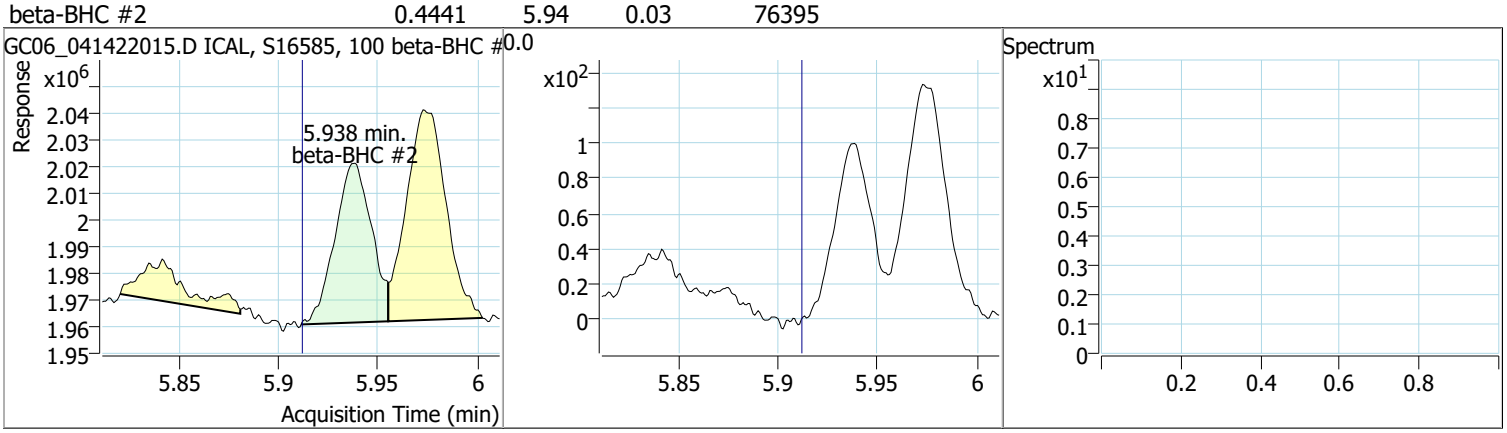
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	0.1485	5.84	0.01	51202			



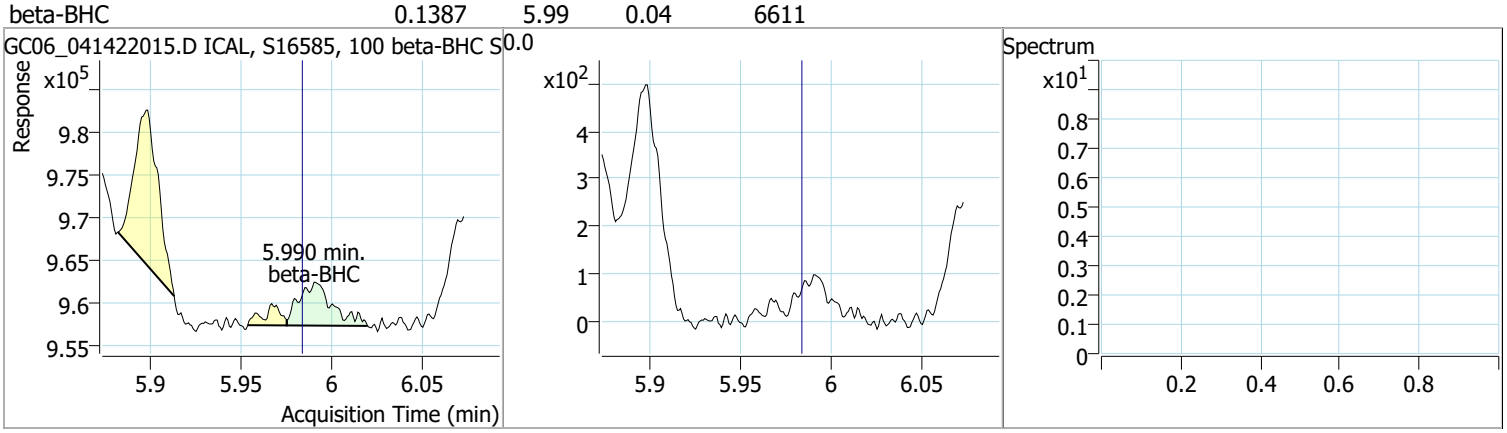
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	0.3225	5.90	0.03	30350			



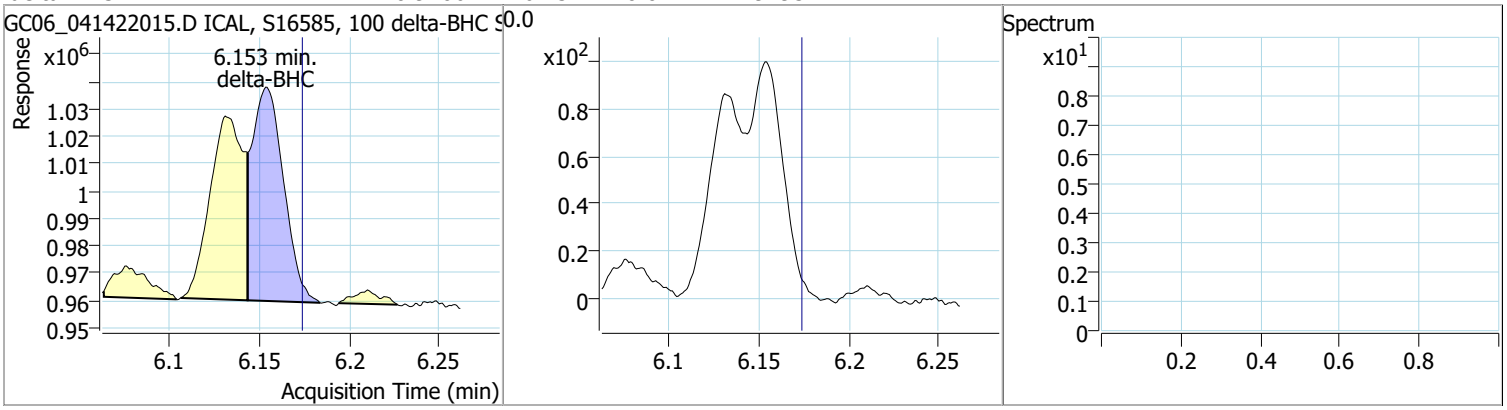
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	0.4441	5.94	0.03	76395			



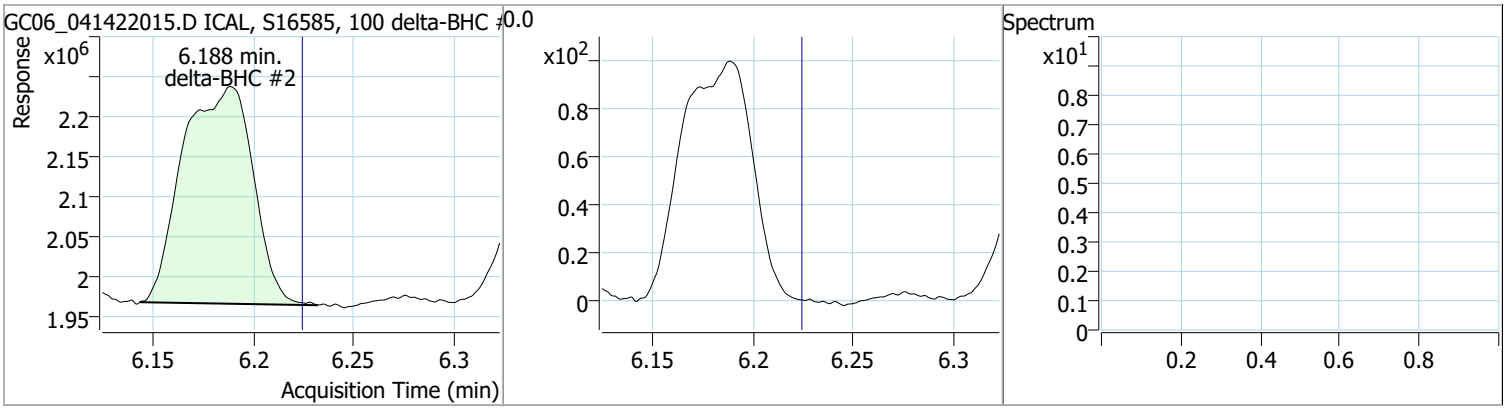
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	0.1387	5.99	0.04	6611			



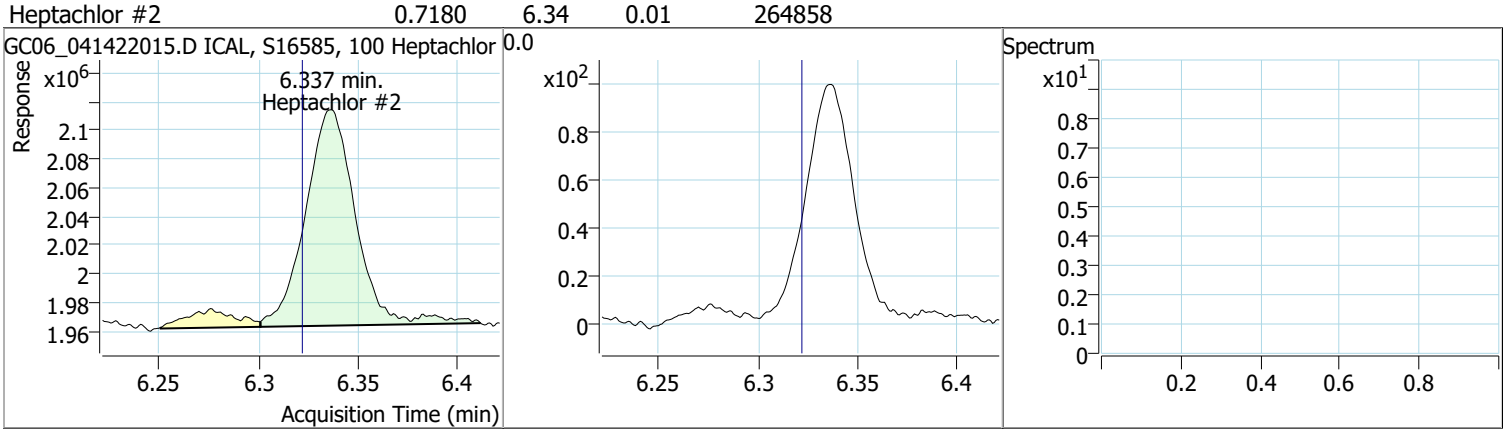
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	0.9406	6.15	0.01	94954			



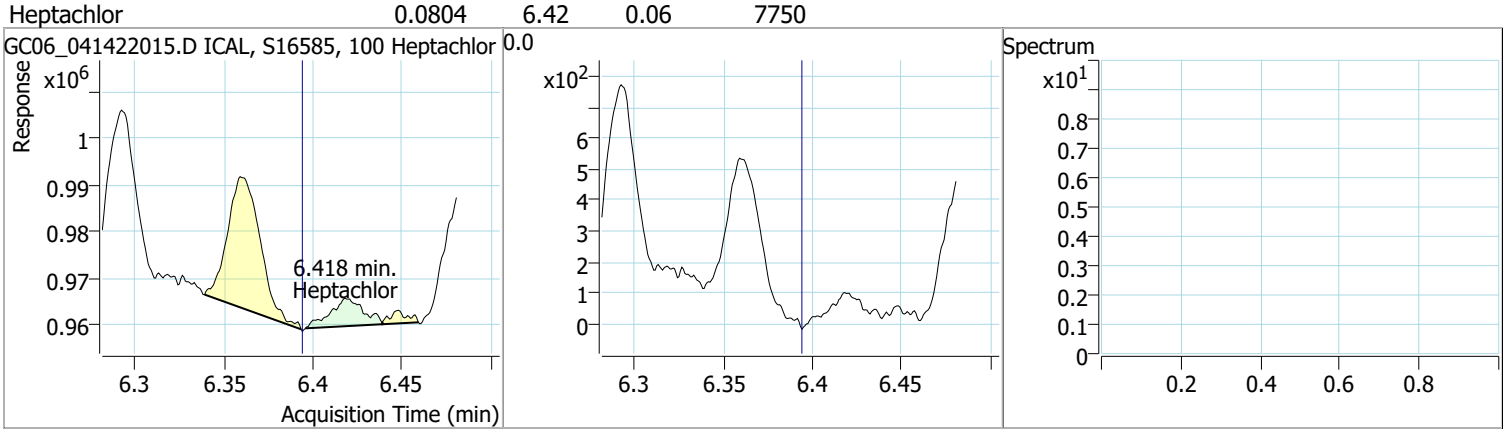
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	1.6364	6.19	-0.04	669432			



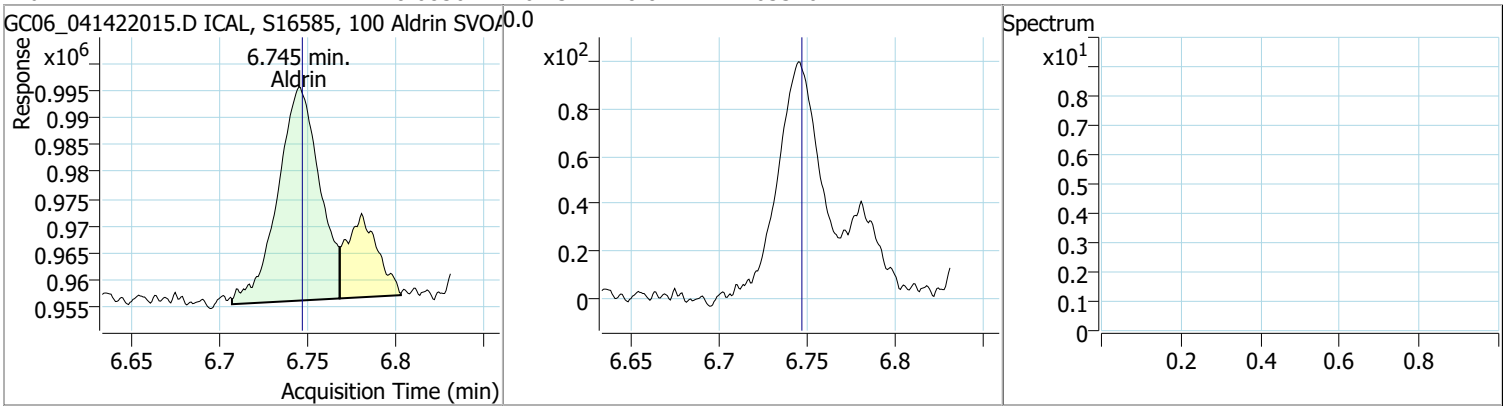
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	0.7180	6.34	0.01	264858			



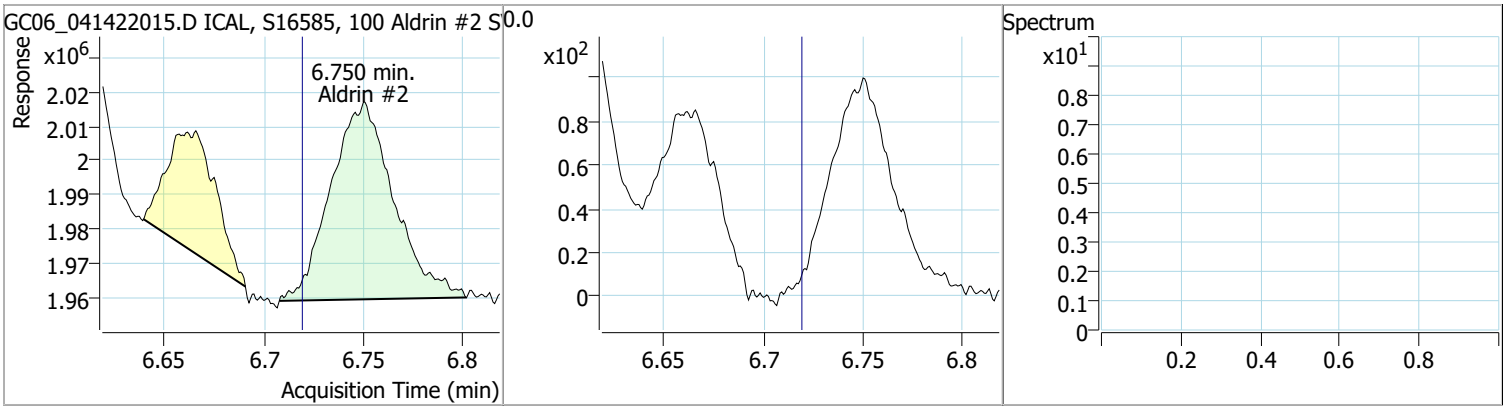
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	0.0804	6.42	0.06	7750			



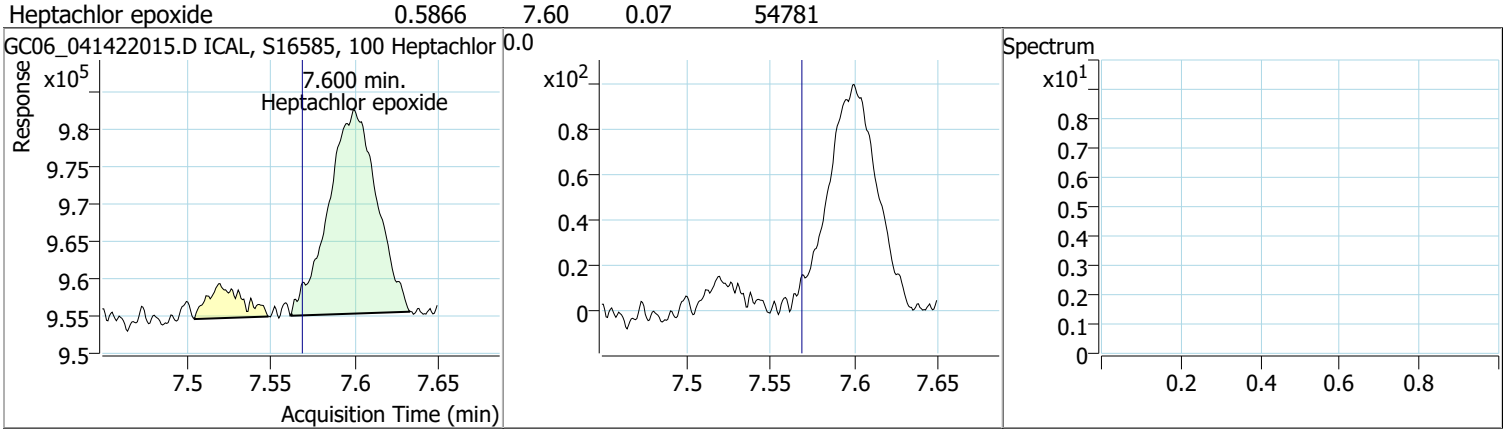
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	0.6856	6.75	0.04	65376			



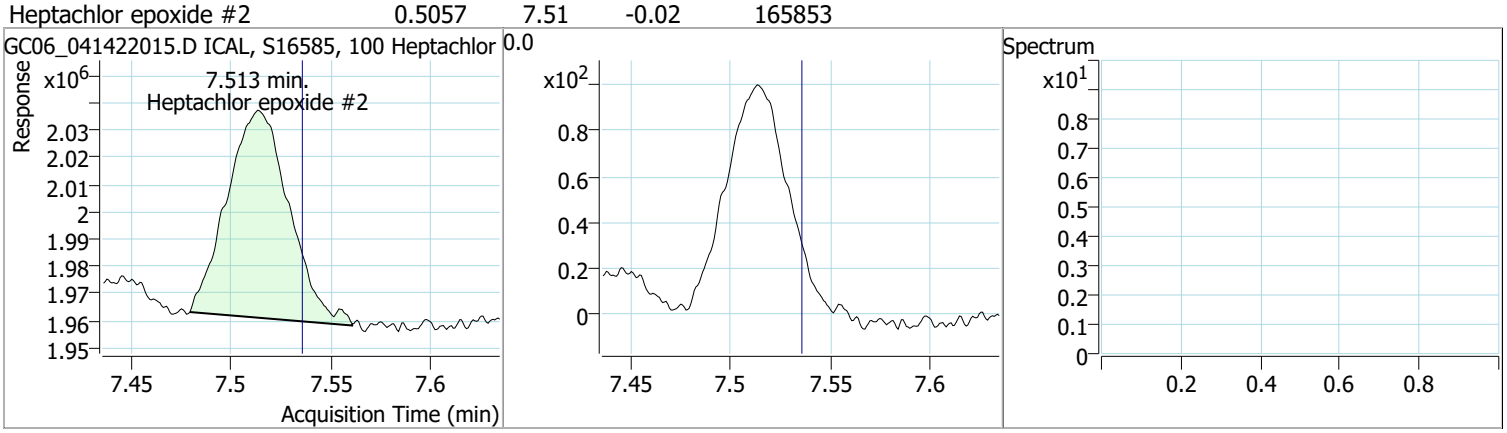
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	0.3529	6.75	0.03	127208			



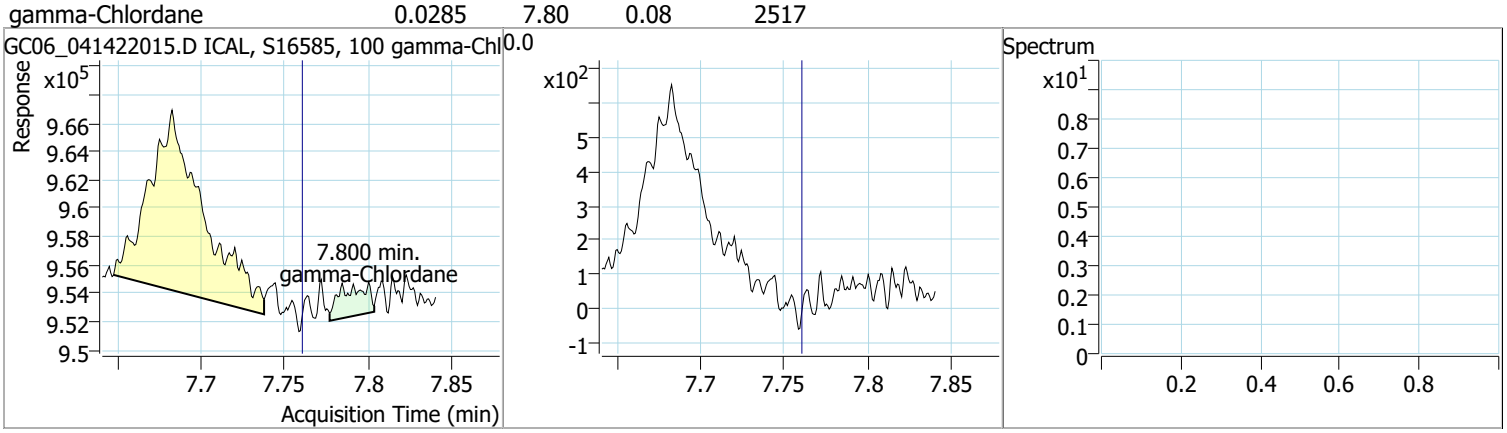
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	0.5866	7.60	0.07	54781			



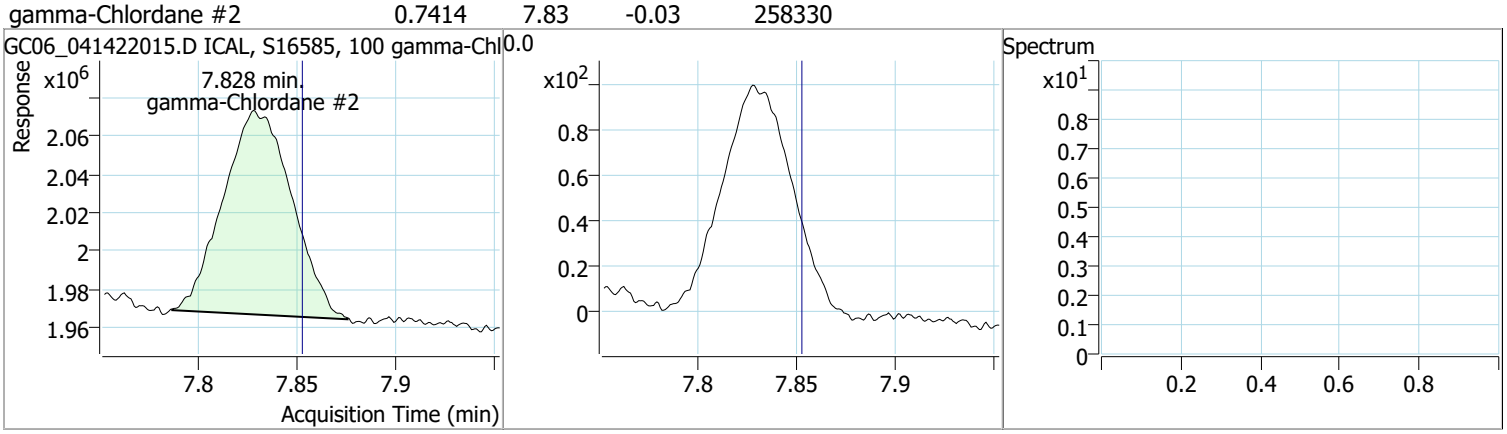
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	0.5057	7.51	-0.02	165853			



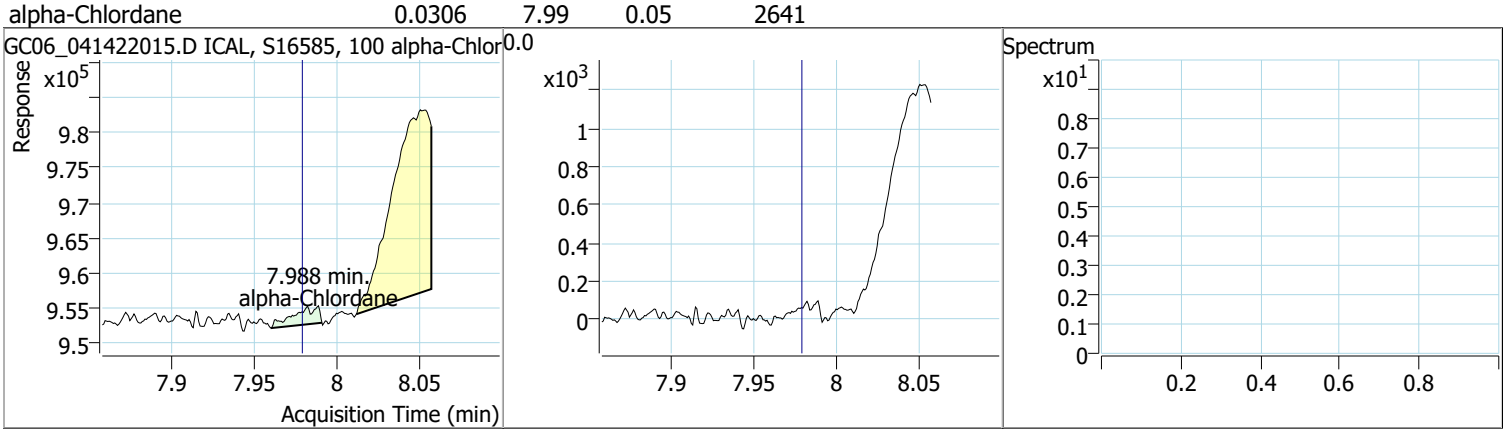
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.0285	7.80	0.08	2517			



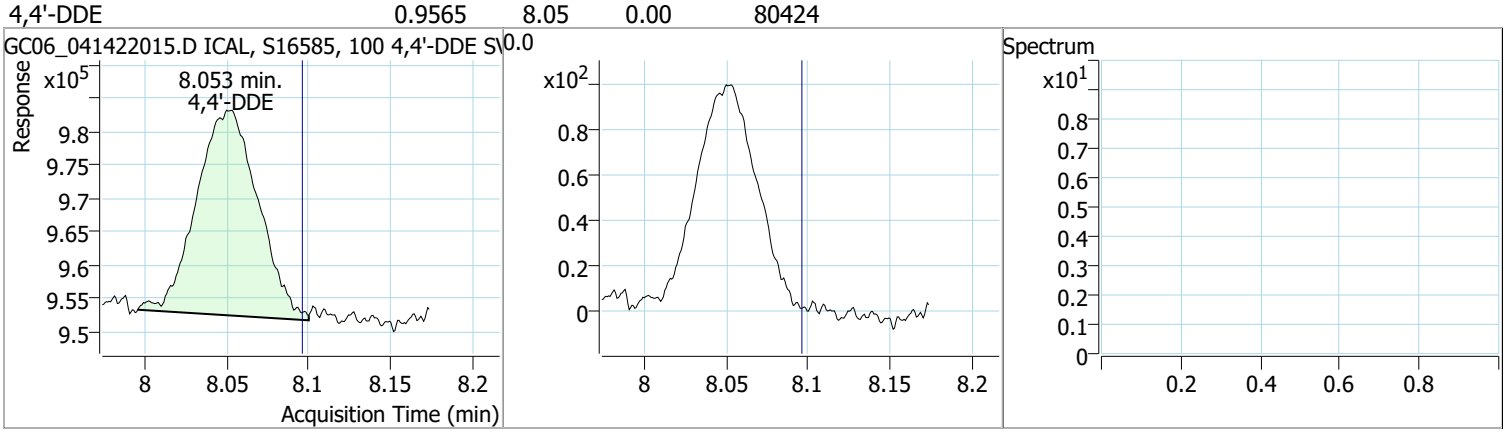
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	0.7414	7.83	-0.03	258330			



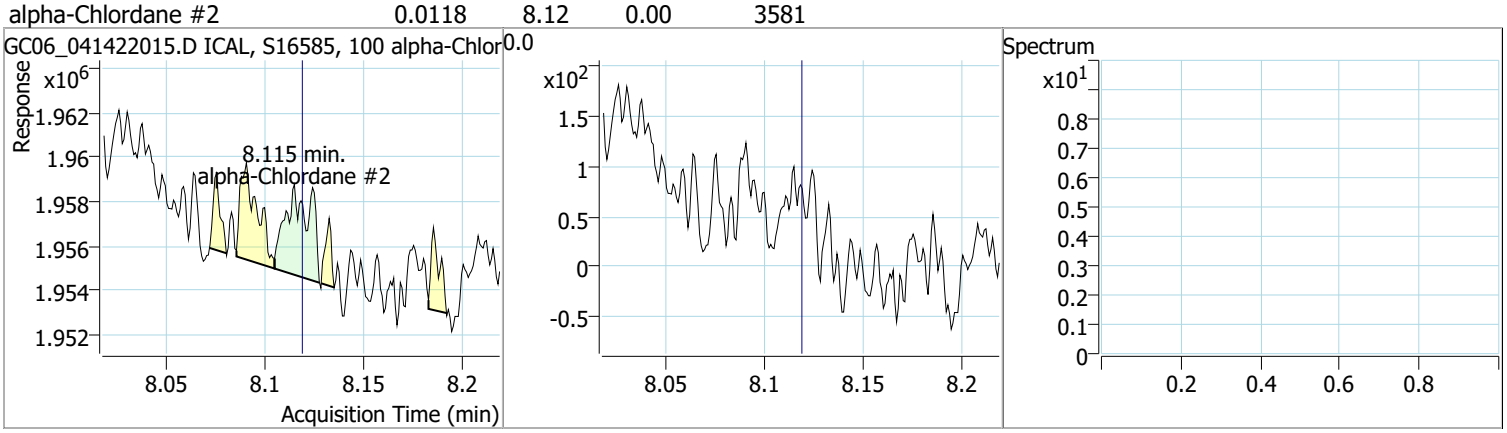
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	0.0306	7.99	0.05	2641			



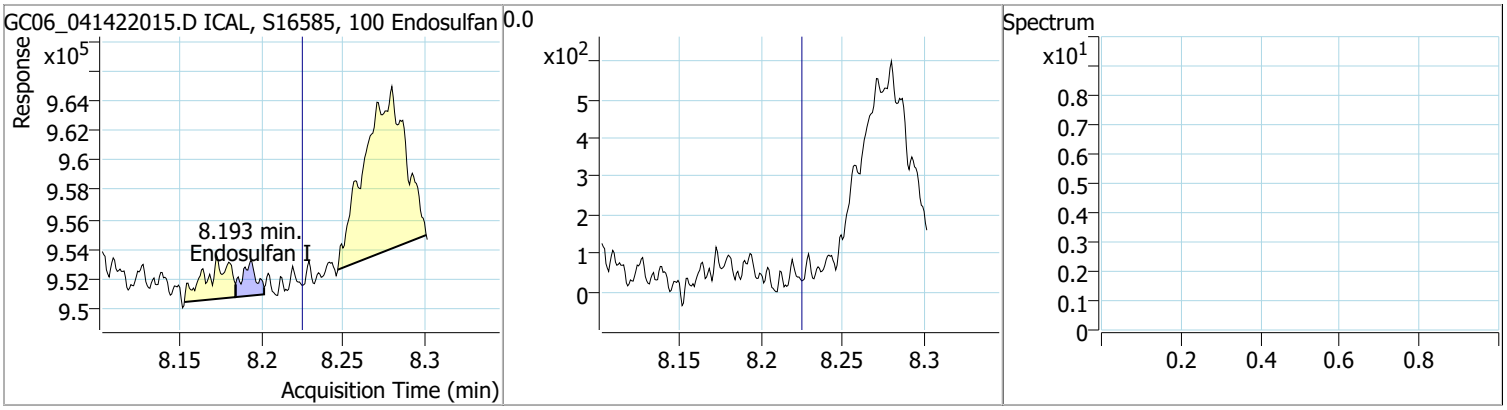
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	0.9565	8.05	0.00	80424			



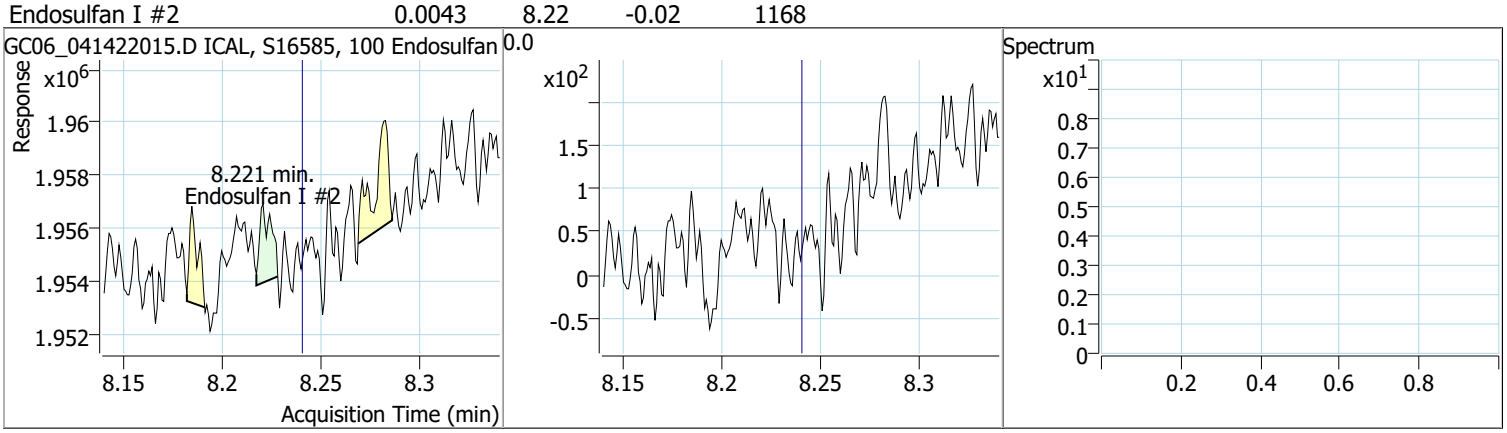
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane #2	0.0118	8.12	0.00	3581			



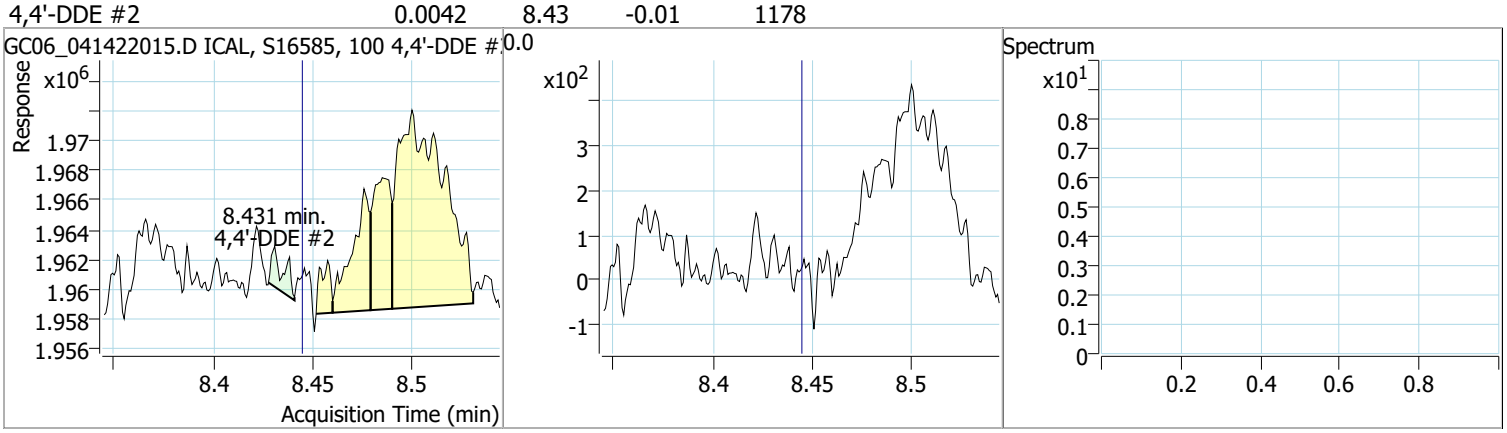
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	0.0184	8.19	0.01	1453			



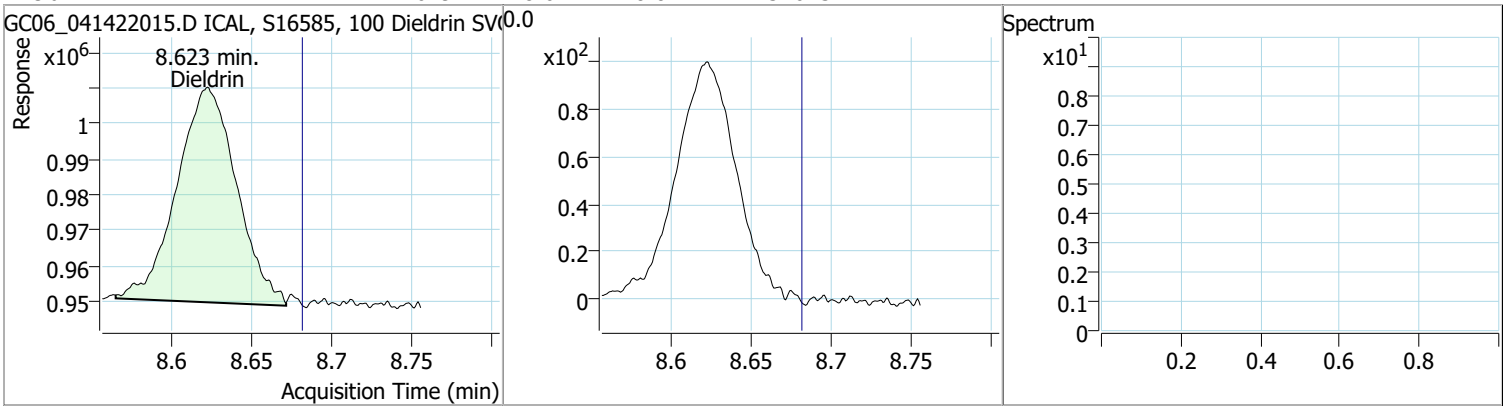
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I #2	0.0043	8.22	-0.02	1168			



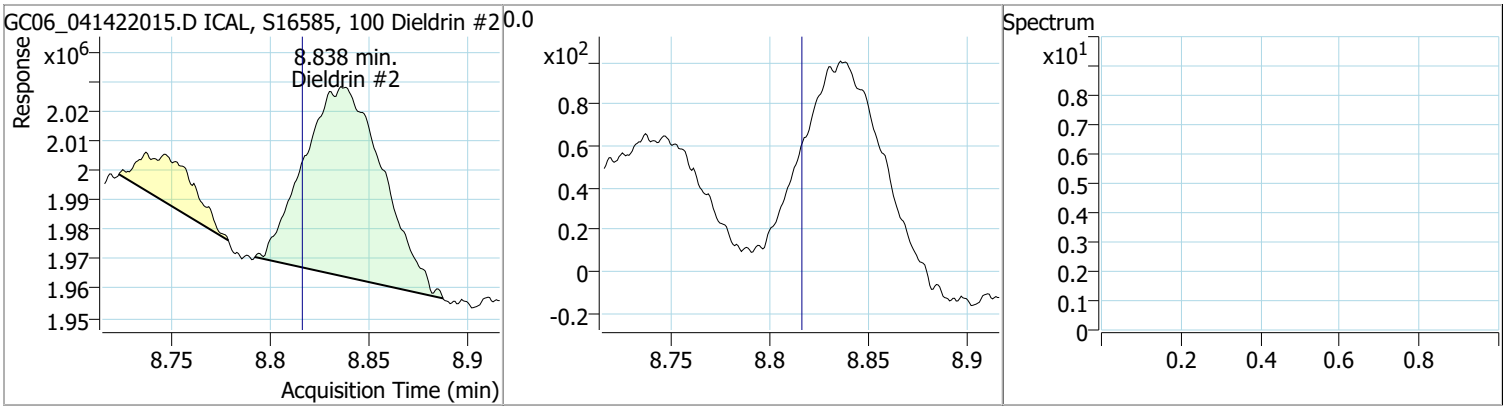
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	0.0042	8.43	-0.01	1178			



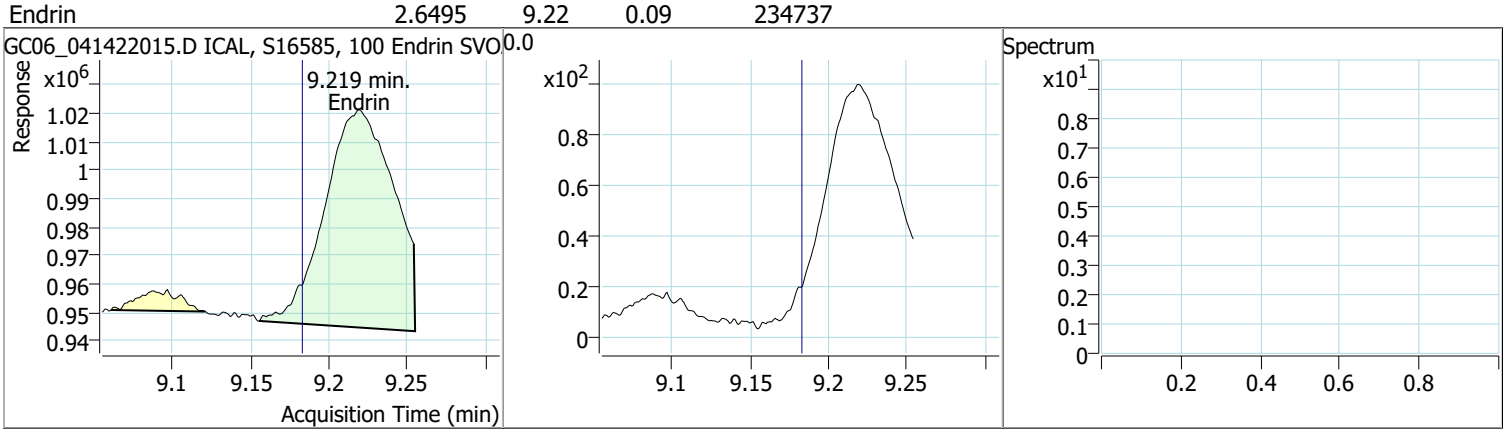
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin	1.6791	8.62	-0.01	157673			



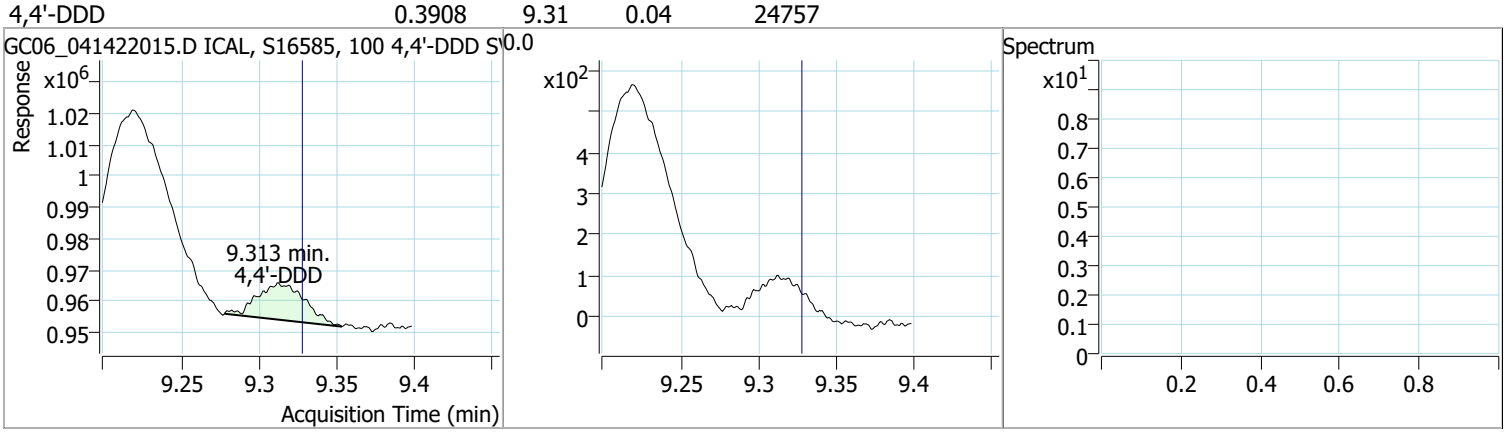
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	0.5745	8.84	0.02	177695			



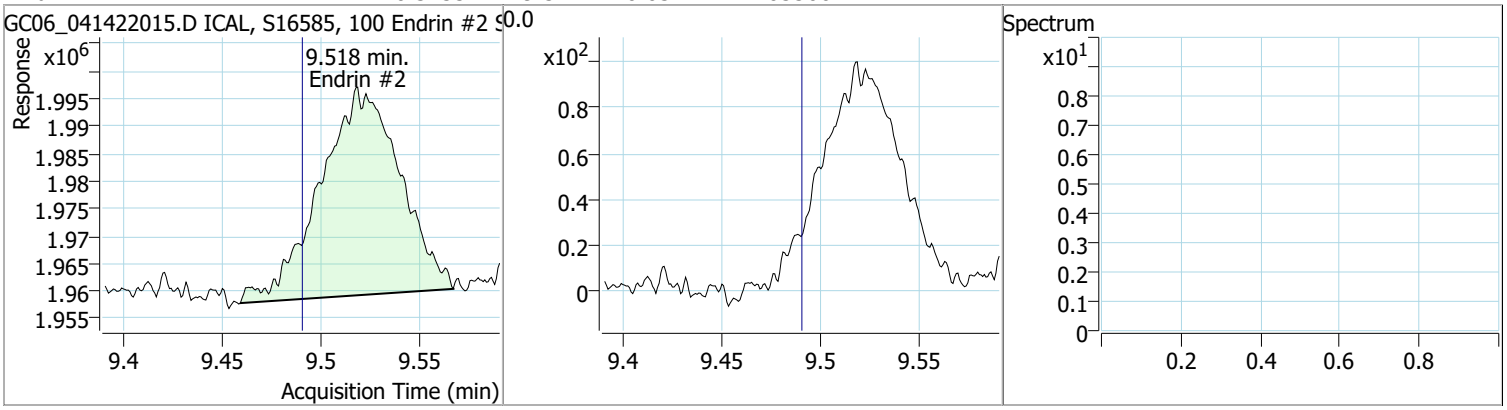
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin	2.6495	9.22	0.09	234737			



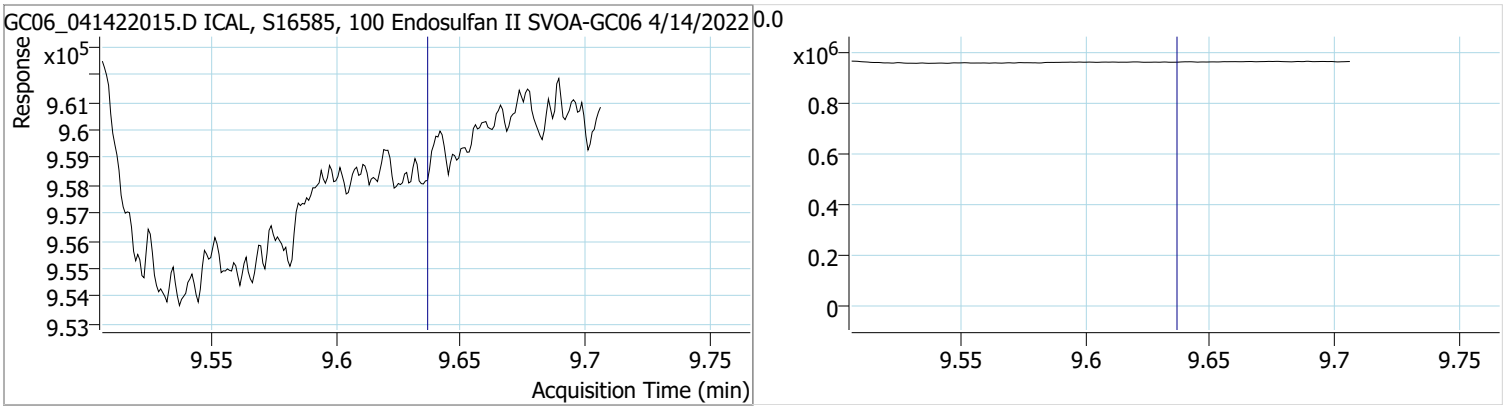
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	0.3908	9.31	0.04	24757			



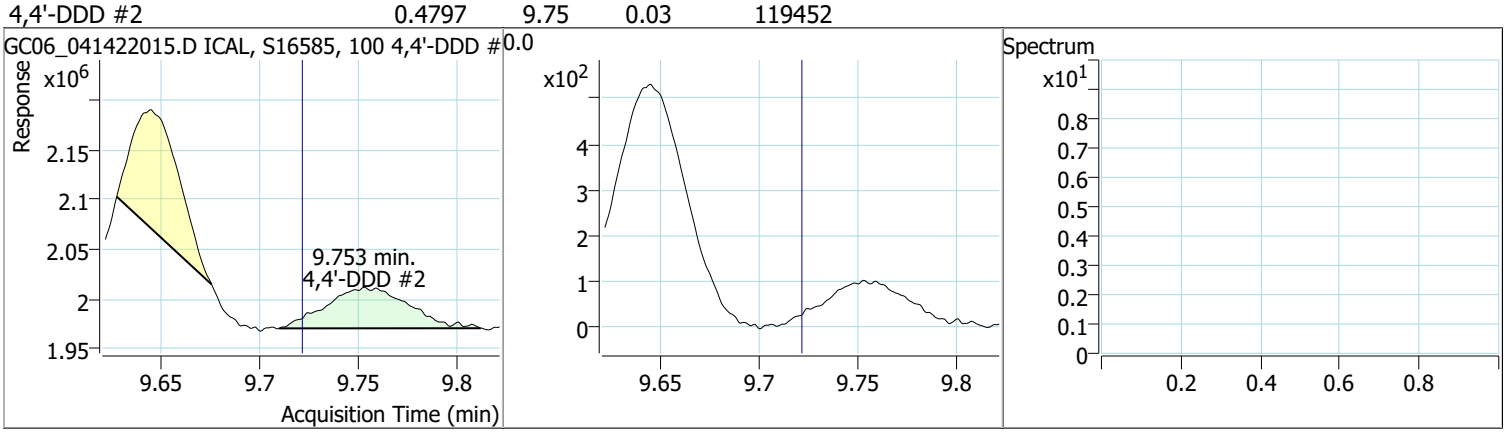
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin #2	0.3755	9.52	0.03	105500			



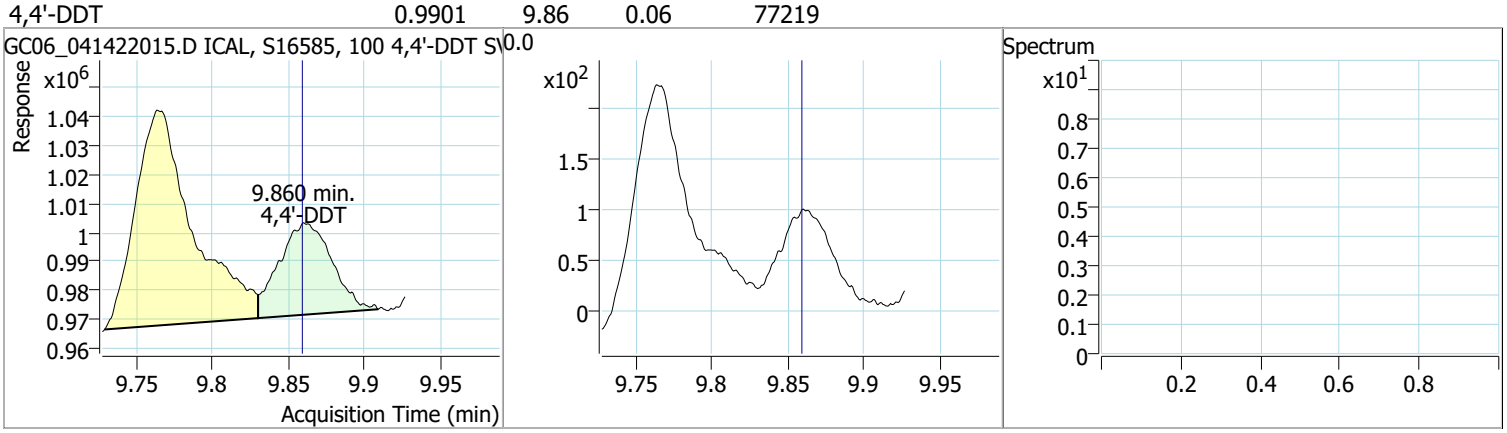
Compound	Conc.		Exp Ratio
Endosulfan II	N.D.	9.58	



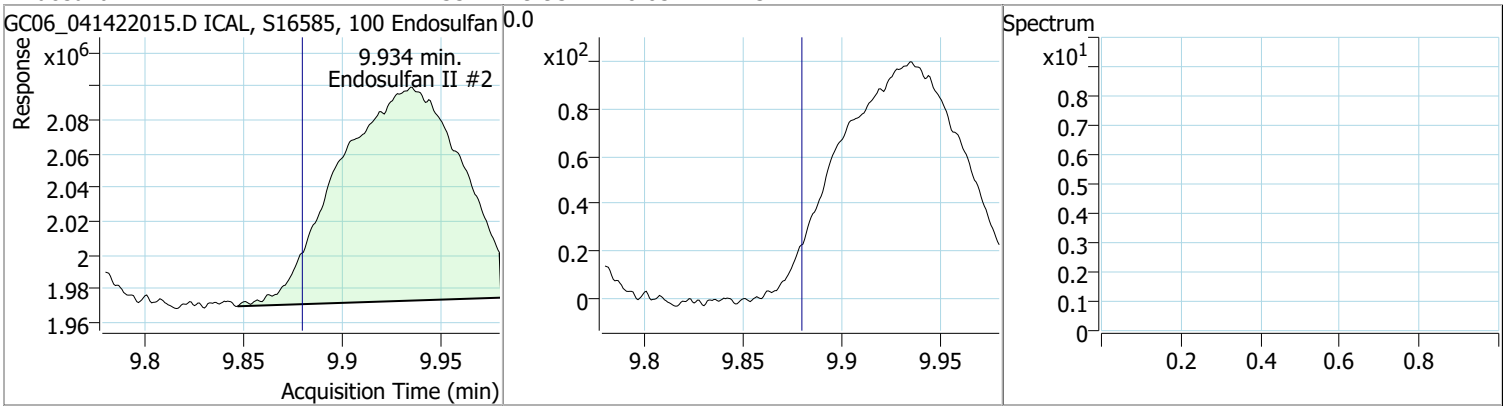
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	0.4797	9.75	0.03	119452			



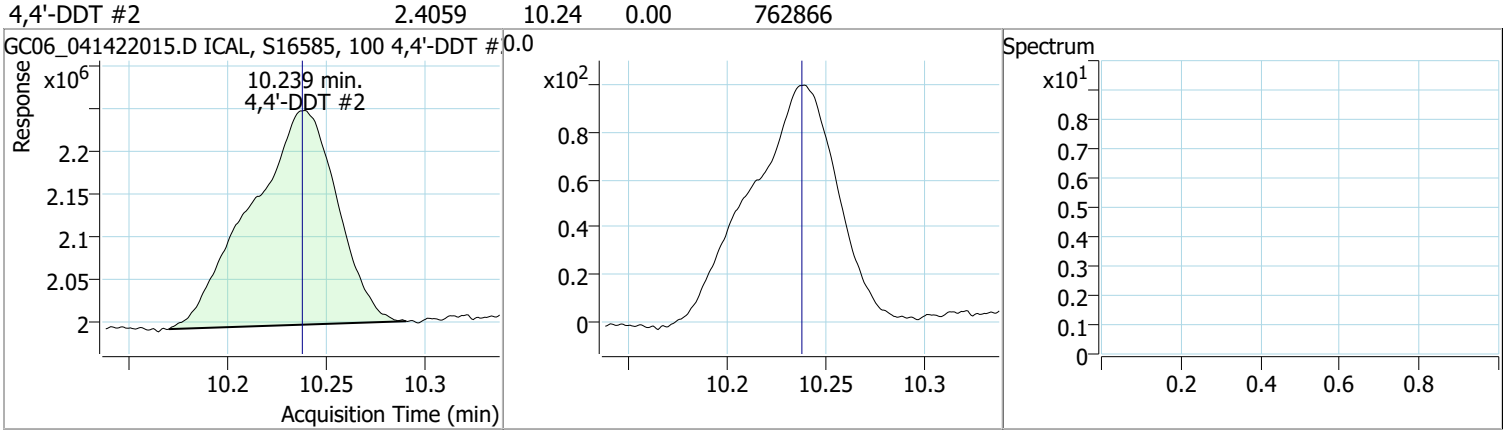
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	0.9901	9.86	0.06	77219			



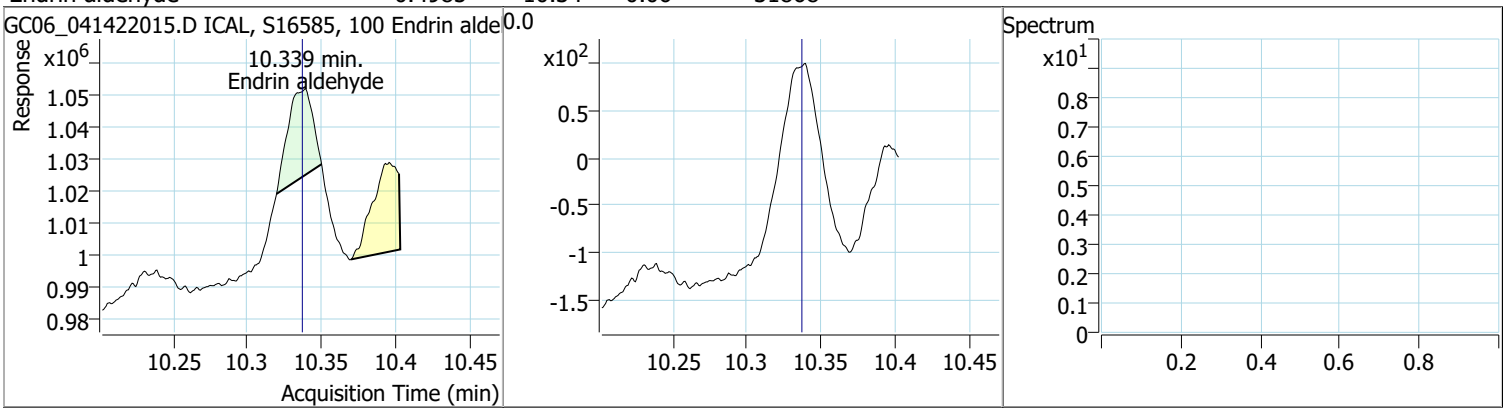
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	1.7435	9.93	0.05	542724			



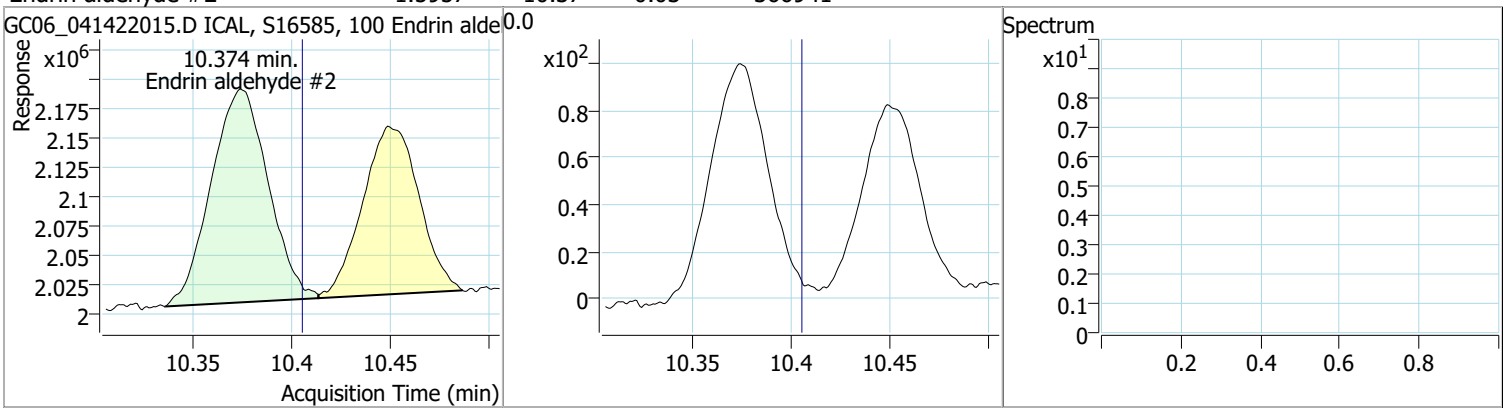
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	2.4059	10.24	0.00	762866			



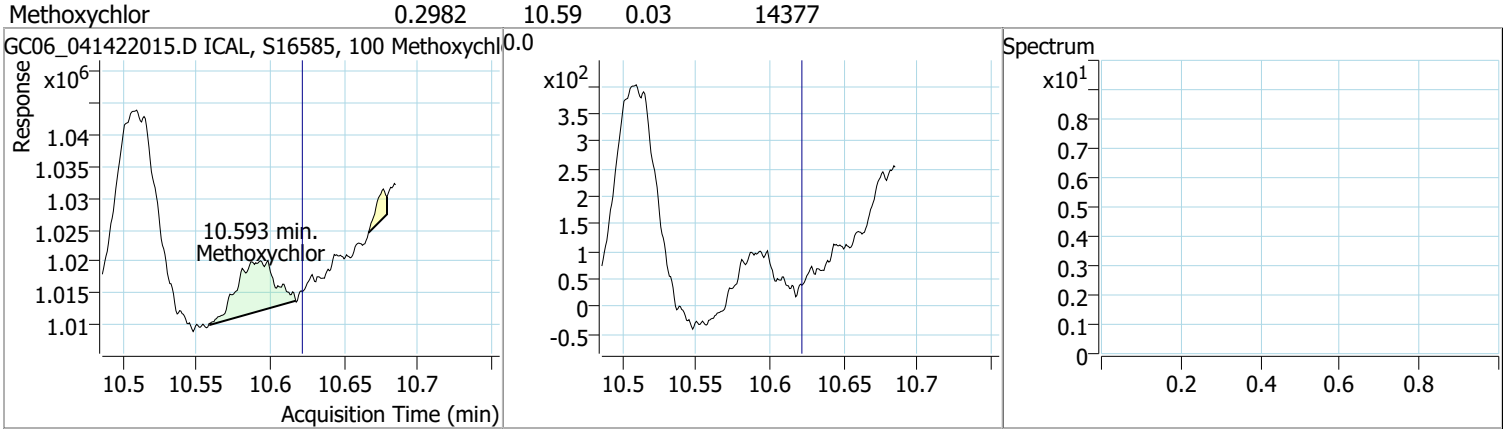
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	0.4985	10.34	0.06	31868			



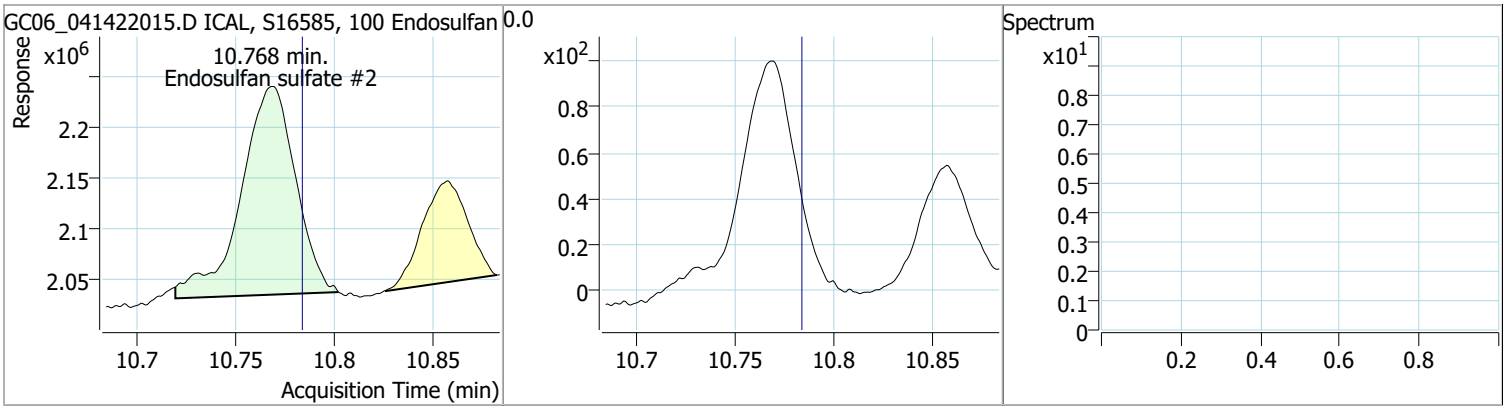
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	1.5957	10.37	-0.03	366941			



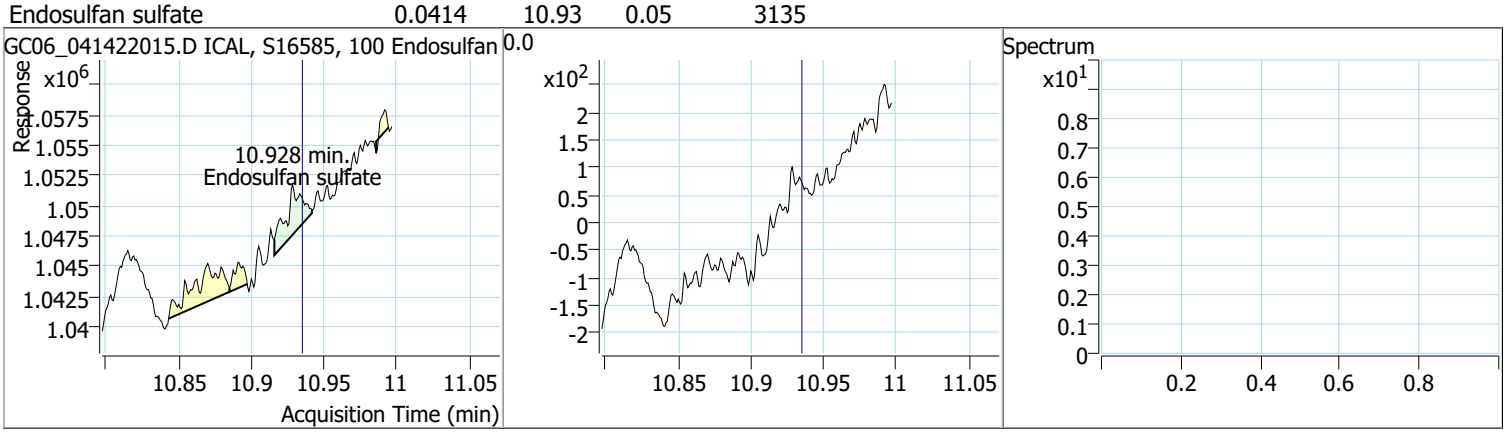
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	0.2982	10.59	0.03	14377			



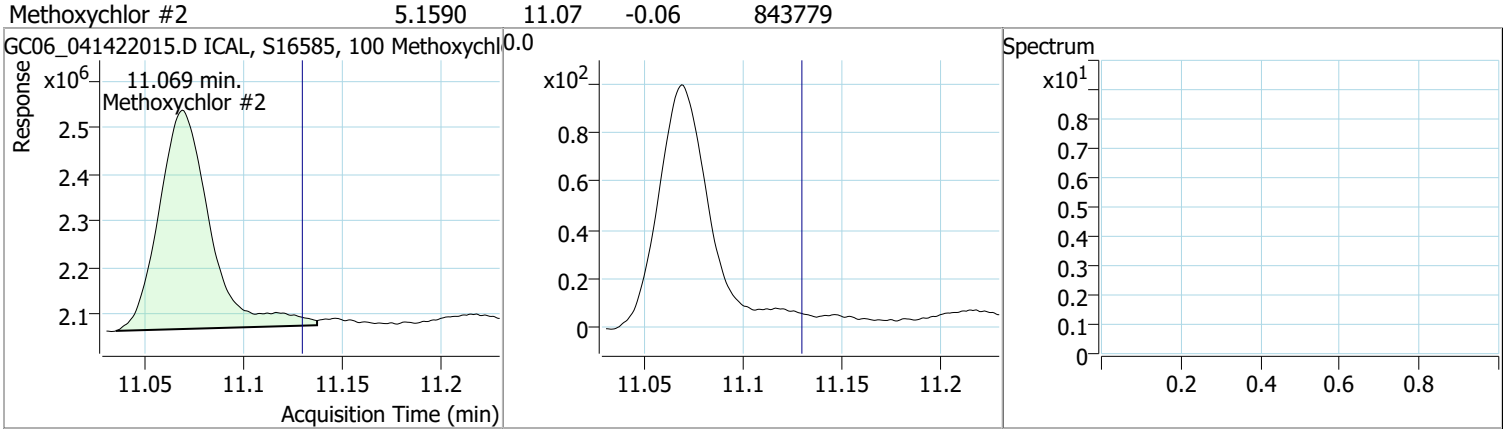
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	1.5080	10.77	-0.02	395804			



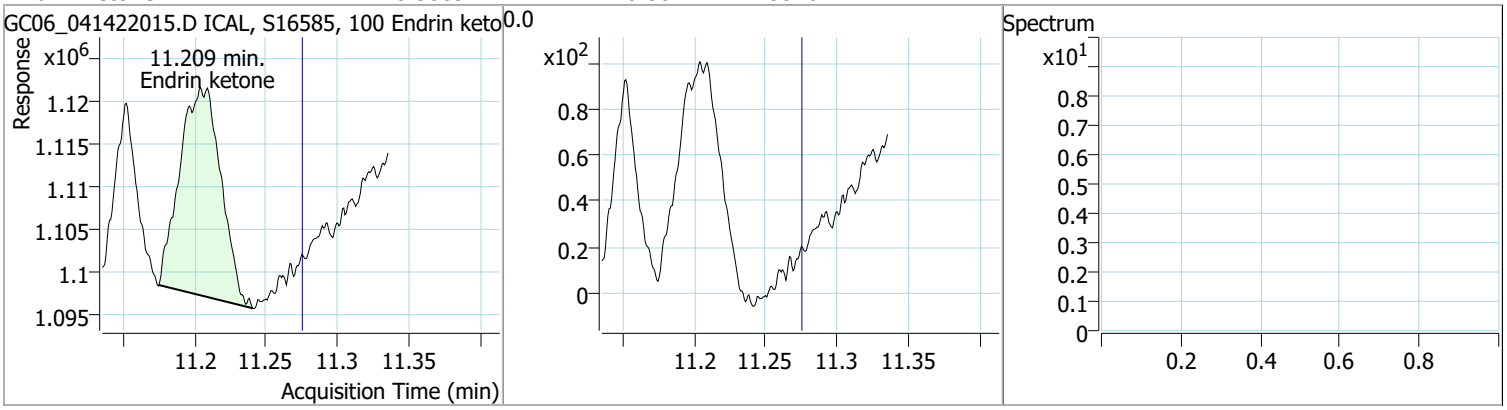
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	0.0414	10.93	0.05	3135			



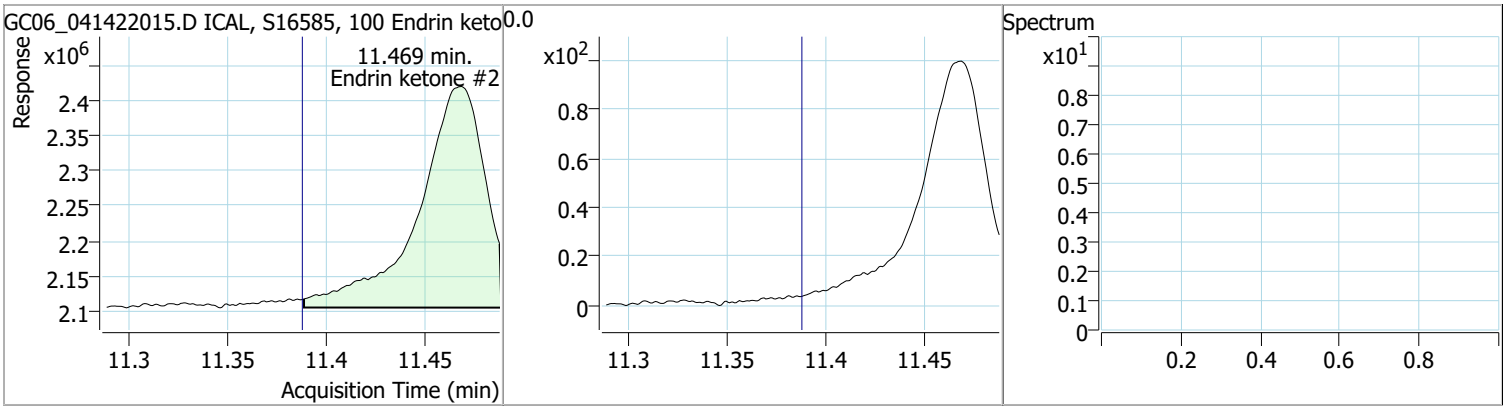
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	5.1590	11.07	-0.06	843779			



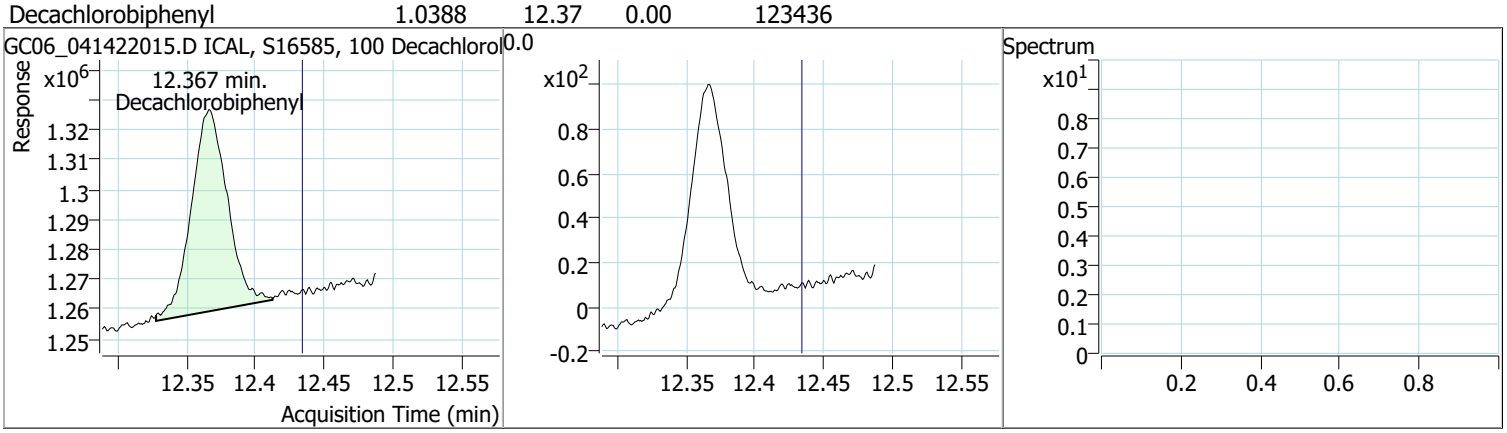
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	0.5089	11.21	0.00	48846			



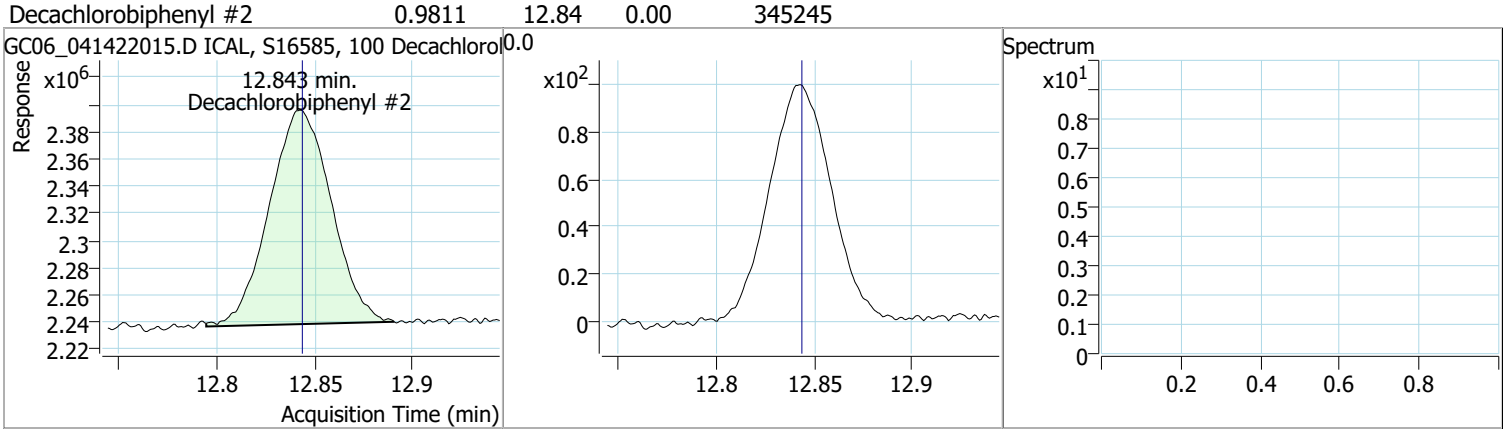
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	2.1658	11.47	0.08	729349			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	1.0388	12.37	0.00	123436			

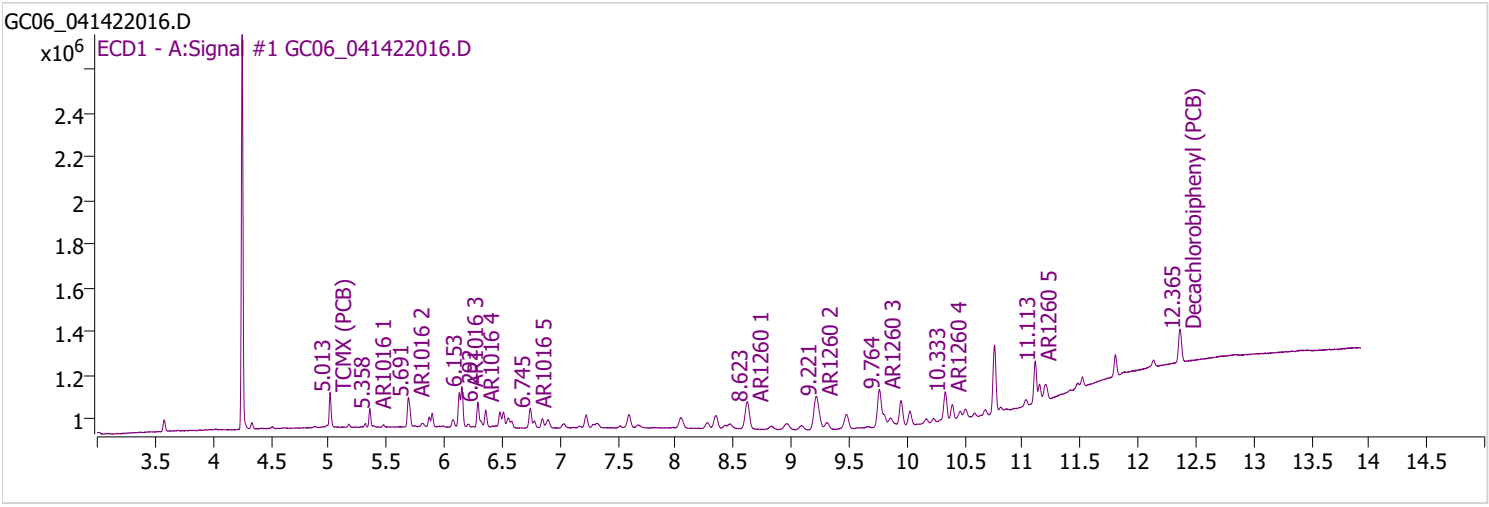


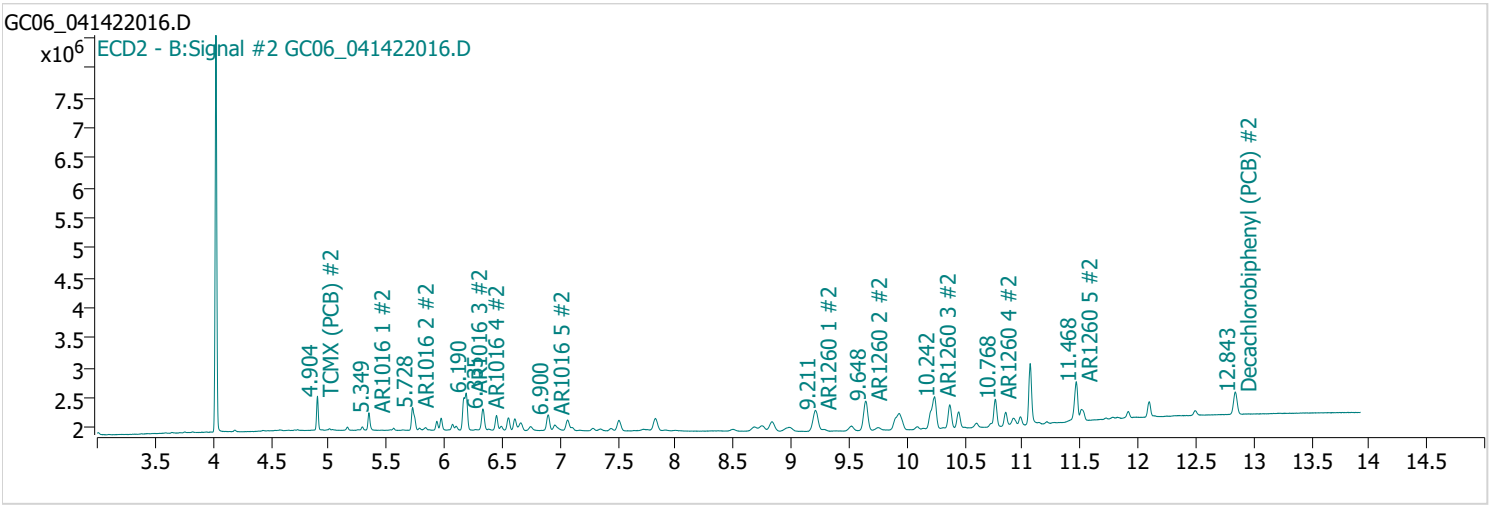
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	0.9811	12.84	0.00	345245			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422016.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 6:58:47 PM
Sample Name	ICAL, S16585, 40	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 112	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



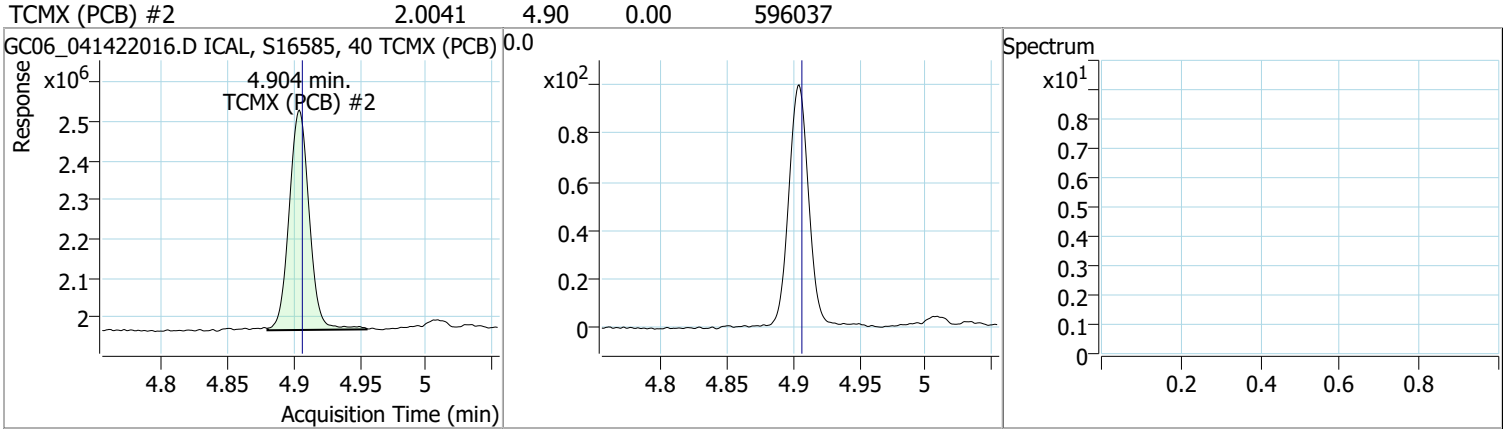


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.253	4.027	1831488	6493014	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.013	4.904	188695	596037	2.142	2.004	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	10.71% *	10.02% *	
S Decachlorobiphenyl (PCB)	12.365	12.843	290870	827447	2.089	2.112	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	10.44% *	10.56% *	
Target Compounds							
T AR1016 1	5.358	5.349	104021	377064	58.063	62.012	ng/ml
T AR1016 2	5.691	5.728	225209	695061	57.734	55.082	ng/ml
T AR1016 3	6.153	6.190	249063	930464 m	54.252	55.913	ng/ml
T AR1016 4	6.292	6.335	184253	603270	53.632	53.434	ng/ml
T AR1016 5	6.745	6.900	143229	478382	53.895	54.196	ng/ml
T AR1260 1	8.623	9.211	318657	1107150	55.286	56.339	ng/ml
T AR1260 2	9.221	9.648	492737	1253059	55.504	55.184	ng/ml
T AR1260 3	9.764	10.242	494318	1674833	53.563	54.290	ng/ml
T AR1260 4	10.333	10.768	248801	901025	54.208	53.975	ng/ml

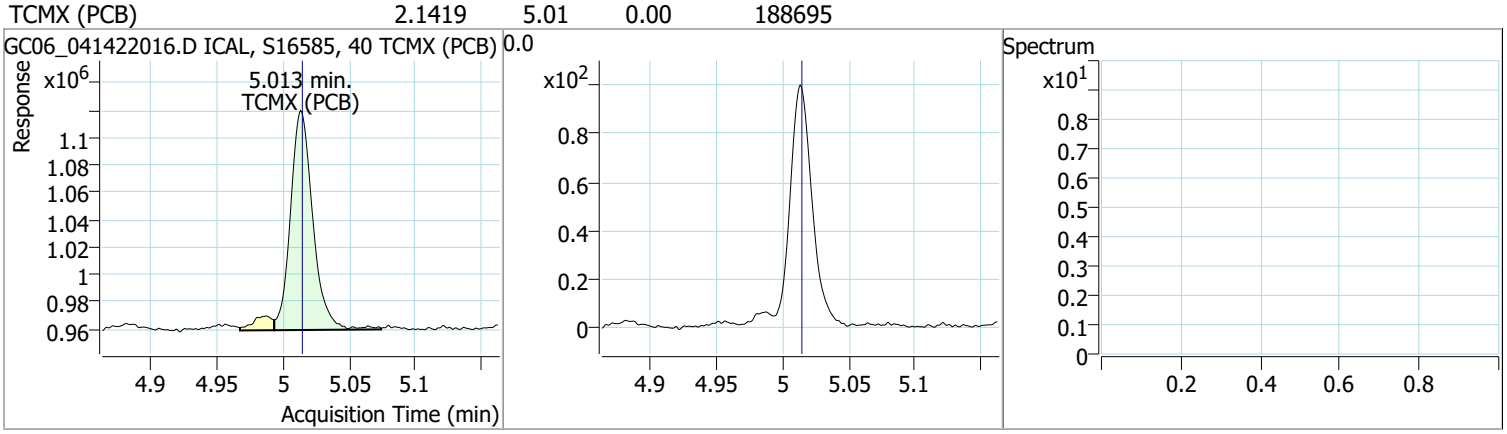
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.113	11.468	314669	1345193	51.800	54.657	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

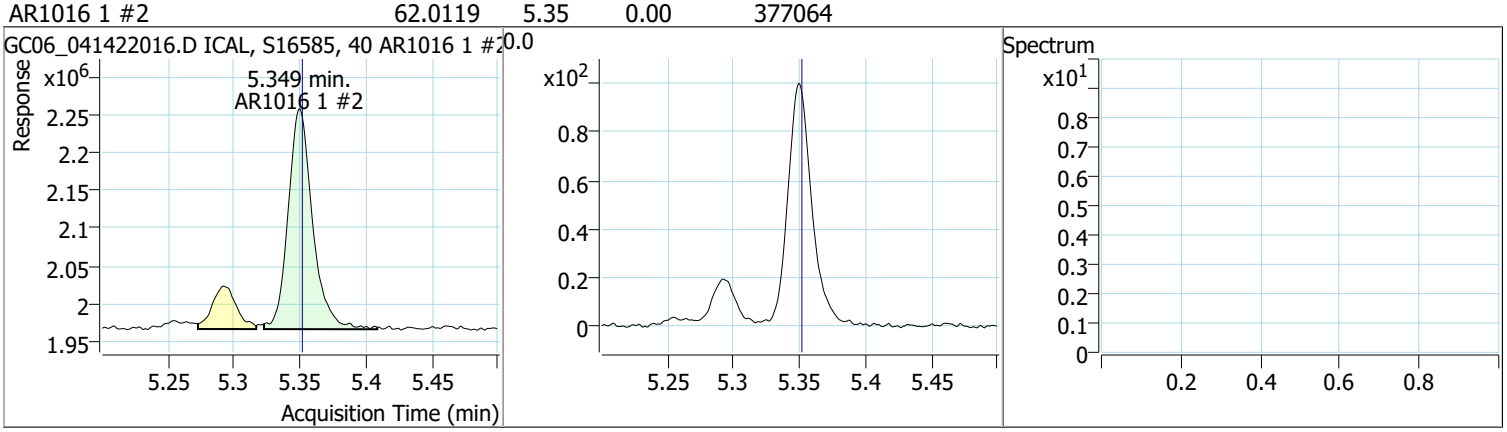
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	2.0041	4.90	0.00	596037			



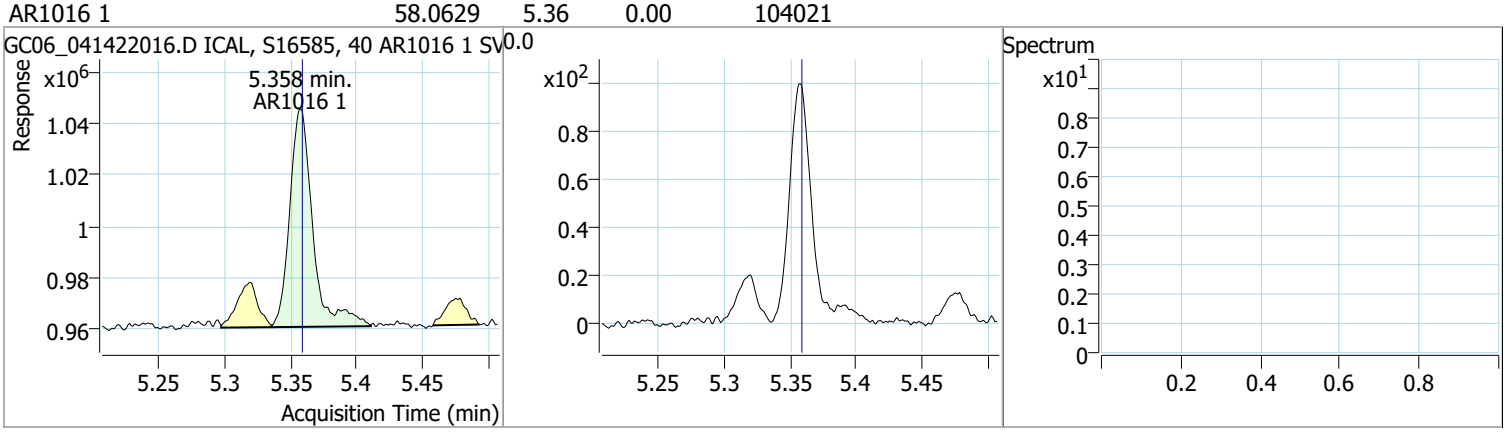
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	2.1419	5.01	0.00	188695			



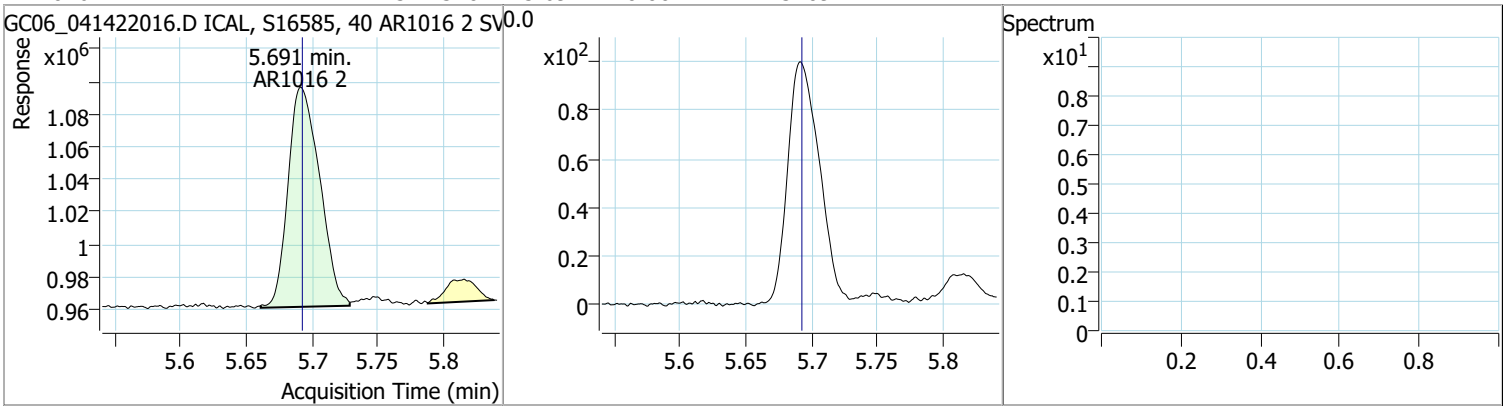
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	62.0119	5.35	0.00	377064			



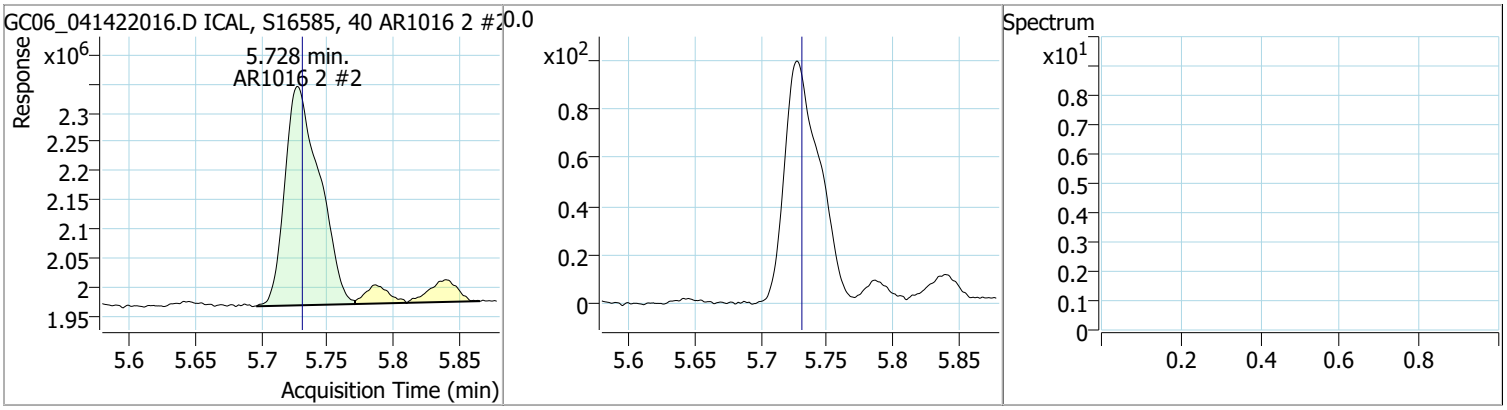
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	58.0629	5.36	0.00	104021			



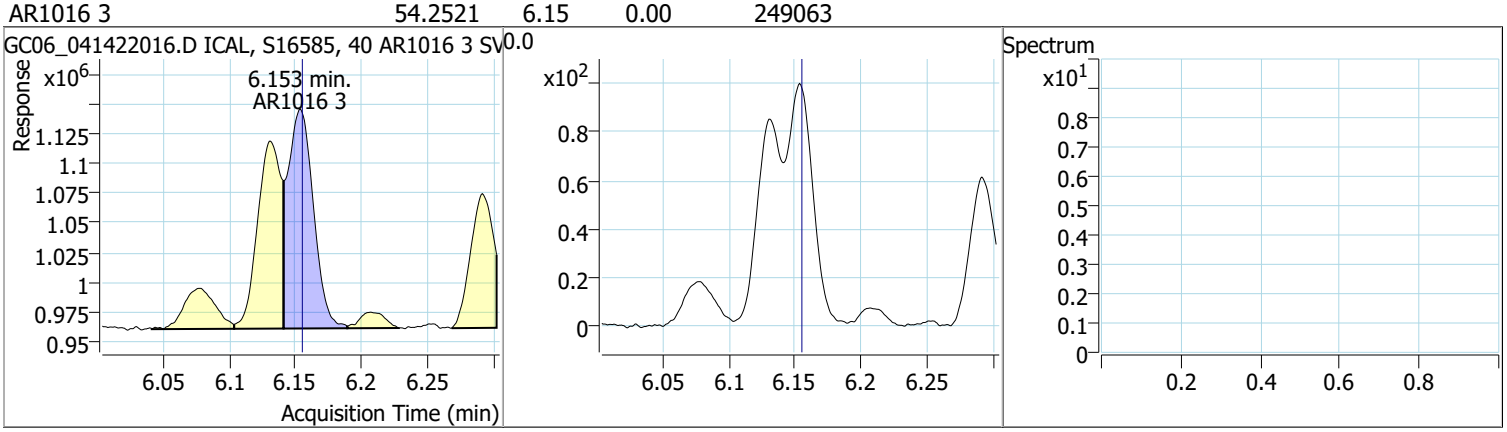
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	57.7340	5.69	0.00	225209			



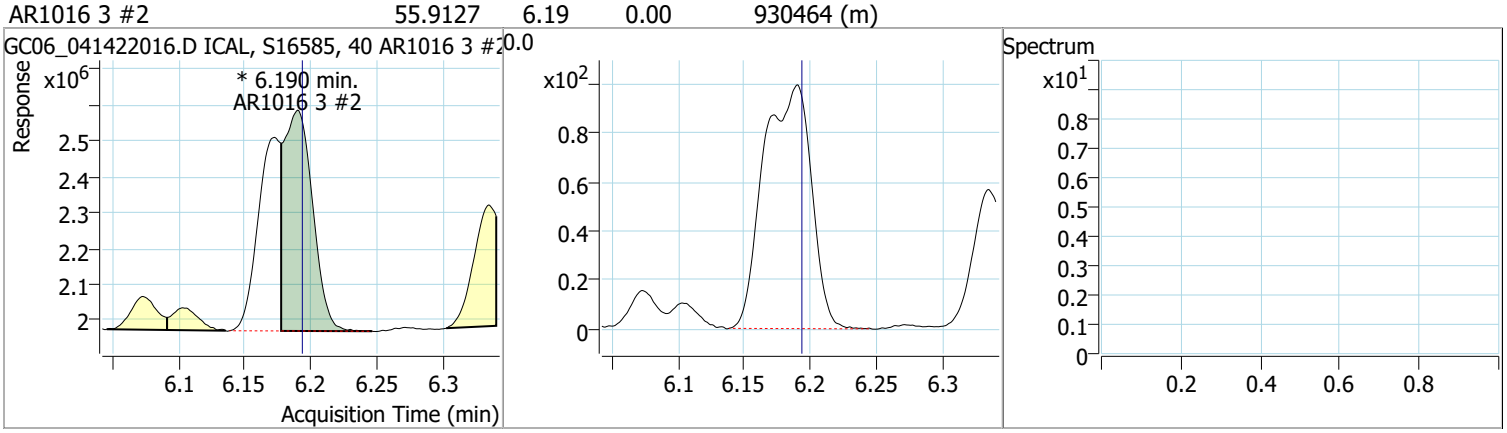
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	55.0824	5.73	0.00	695061			



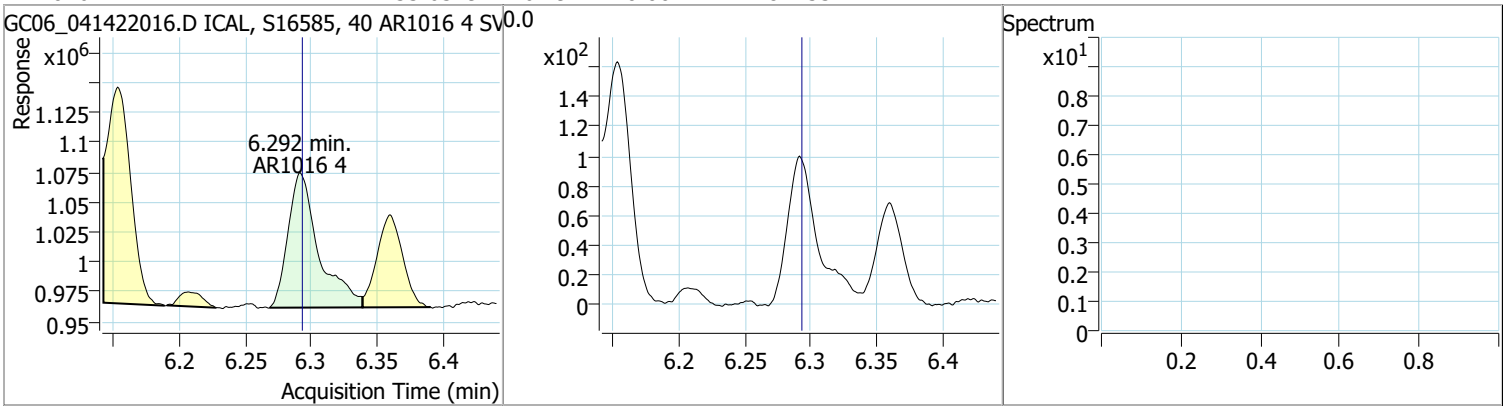
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	54.2521	6.15	0.00	249063			



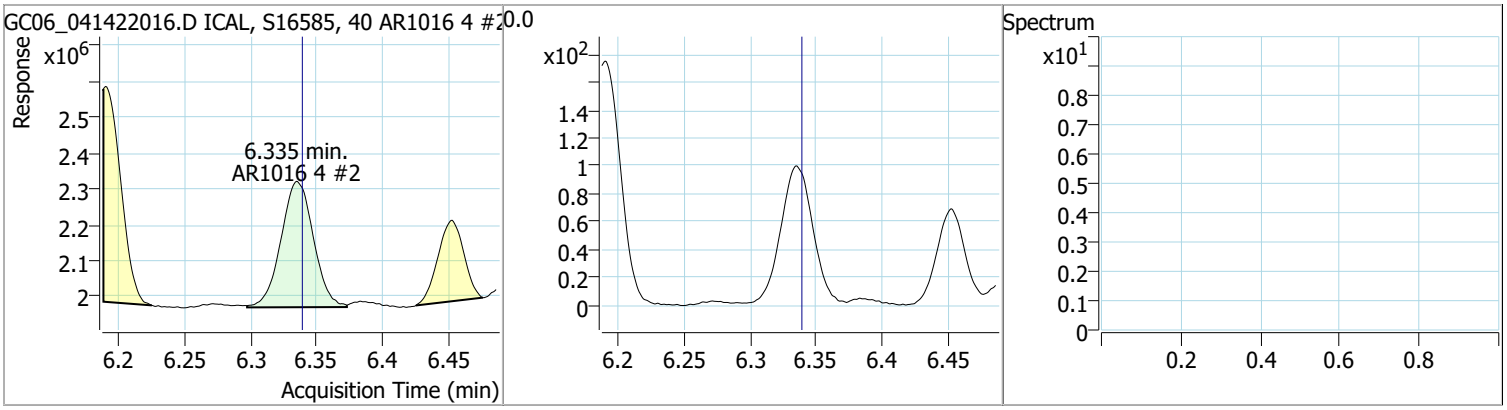
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	55.9127	6.19	0.00	930464 (m)			



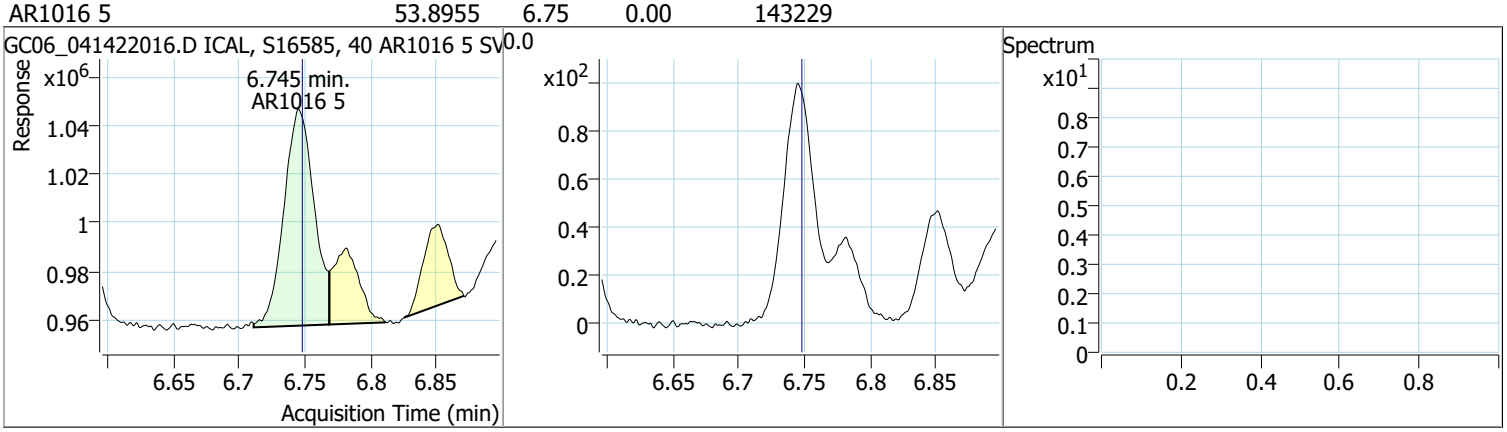
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	53.6319	6.29	0.00	184253			



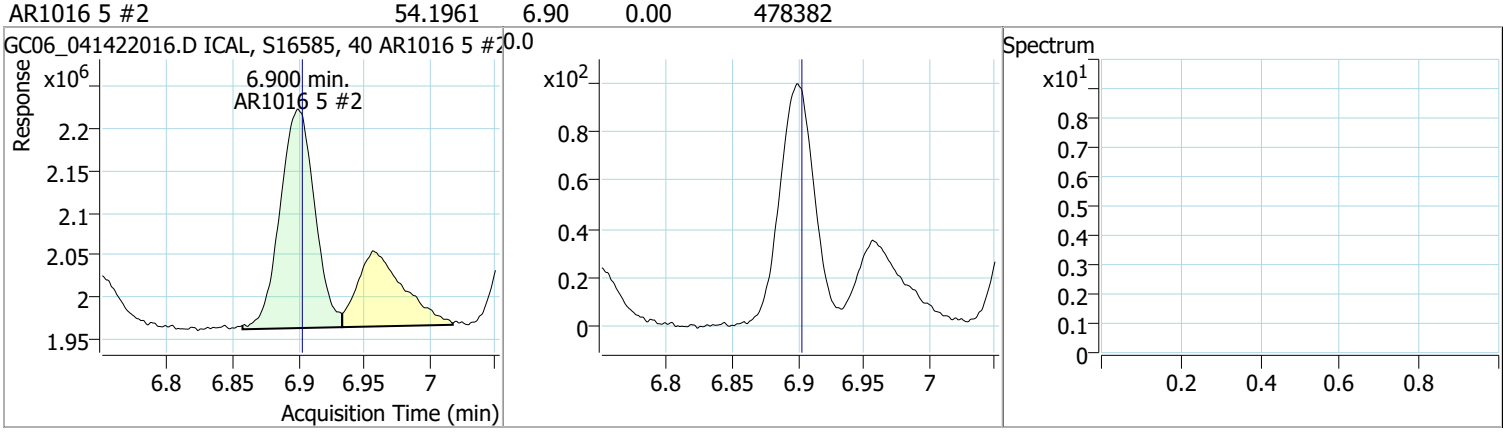
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	53.4336	6.34	0.00	603270			



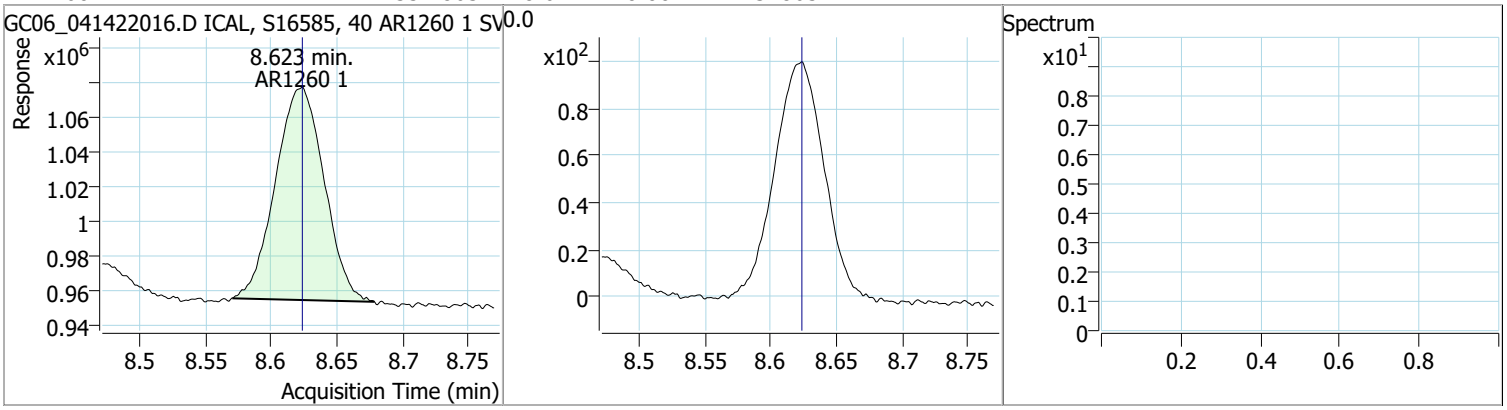
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	53.8955	6.75	0.00	143229			



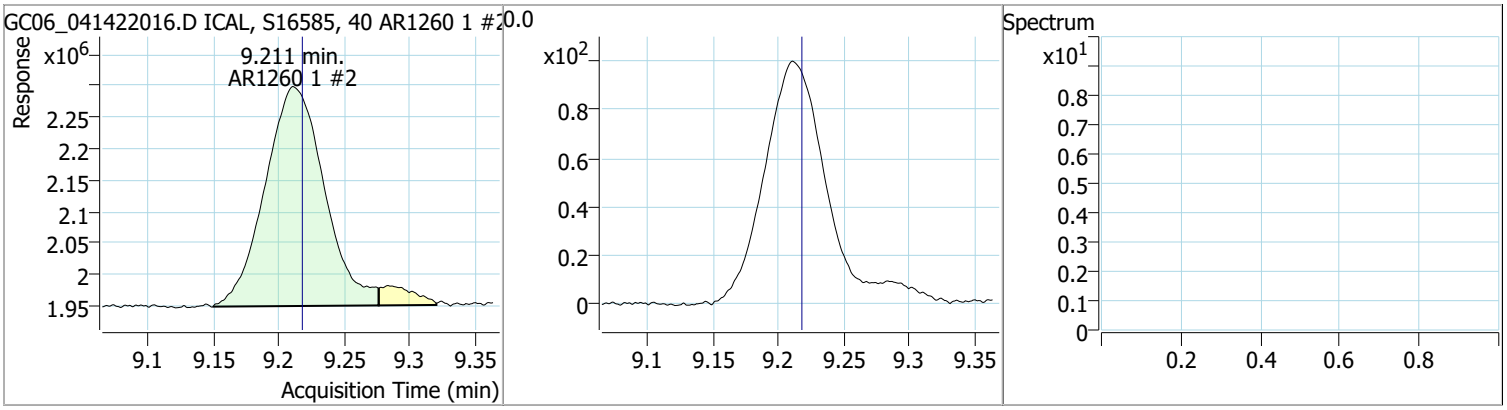
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	54.1961	6.90	0.00	478382			



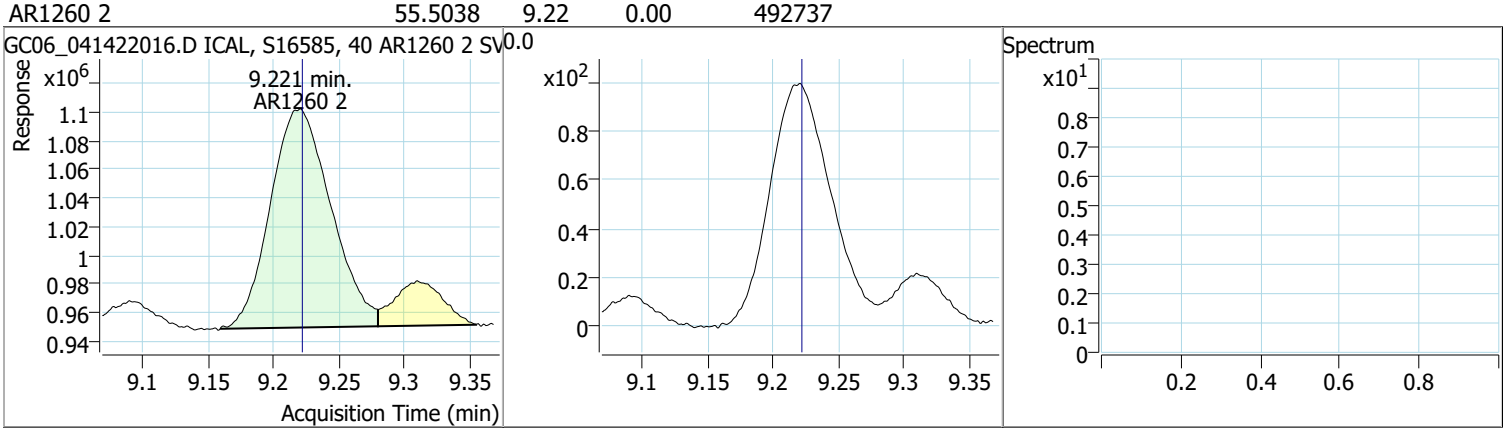
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	55.2863	8.62	0.00	318657			



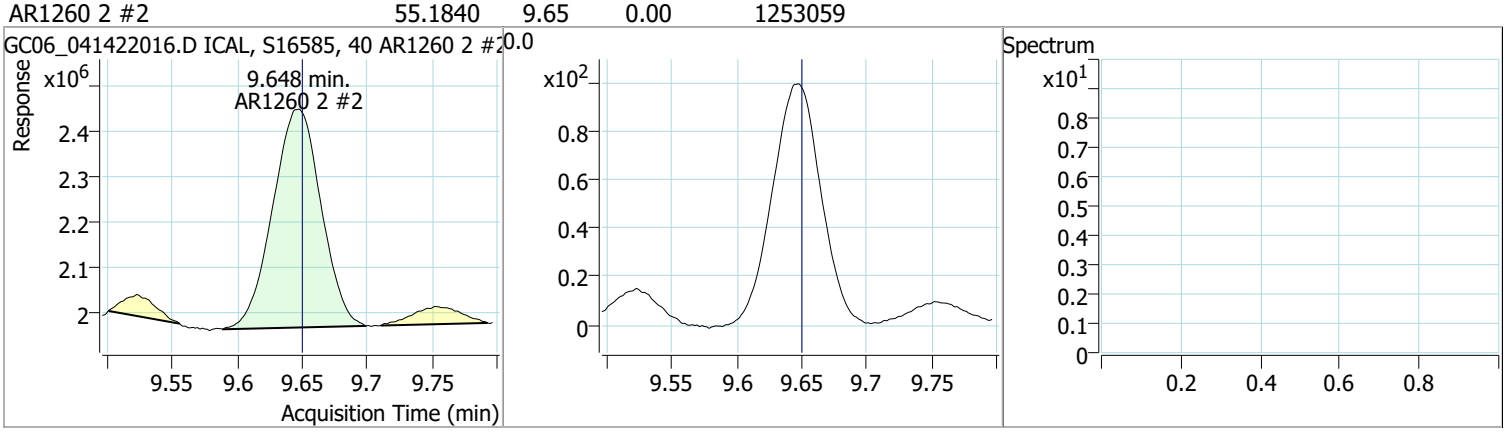
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	56.3386	9.21	0.00	1107150			



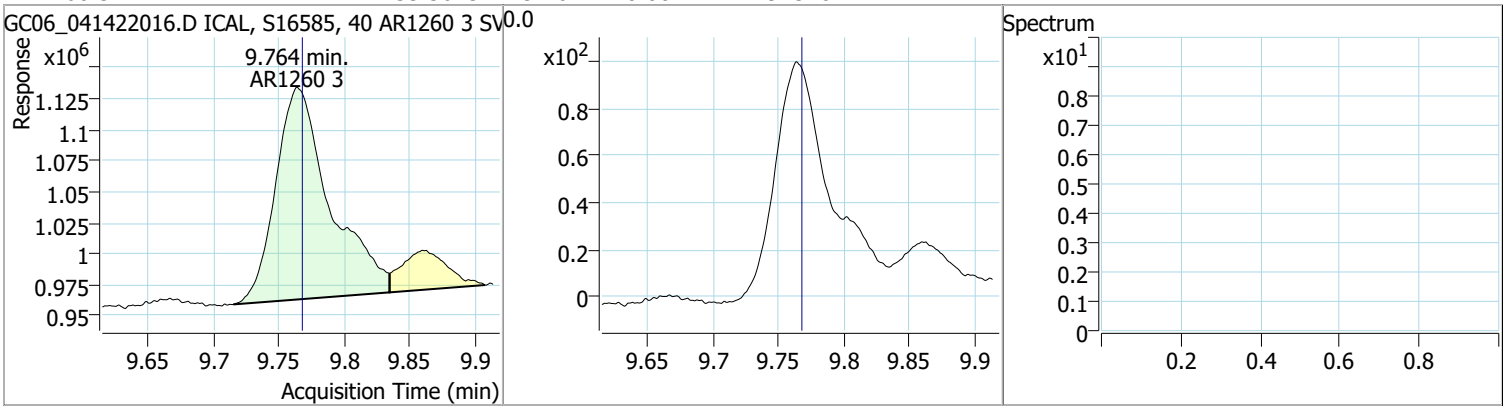
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	55.5038	9.22	0.00	492737			



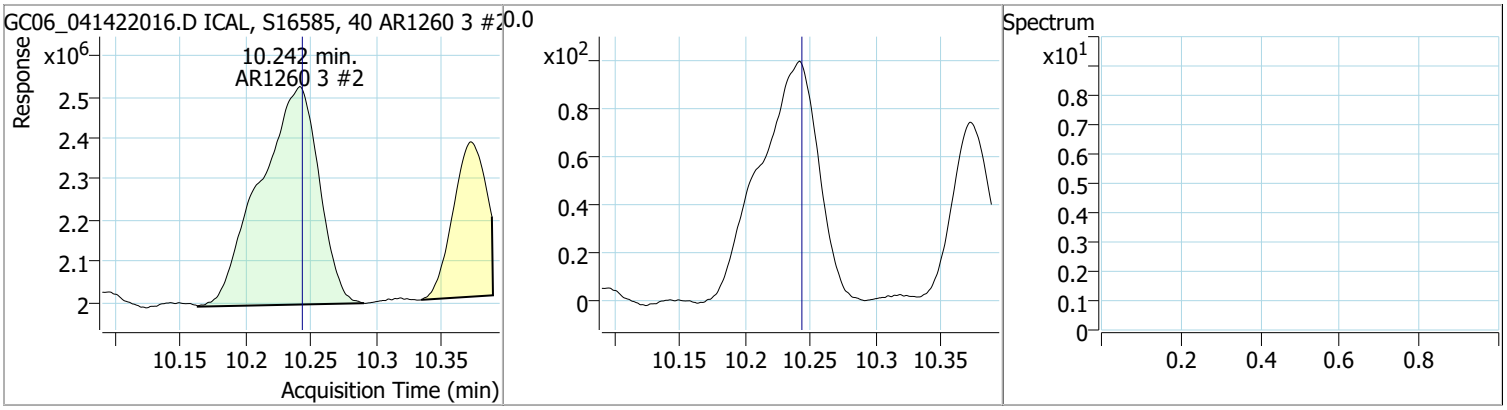
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	55.1840	9.65	0.00	1253059			



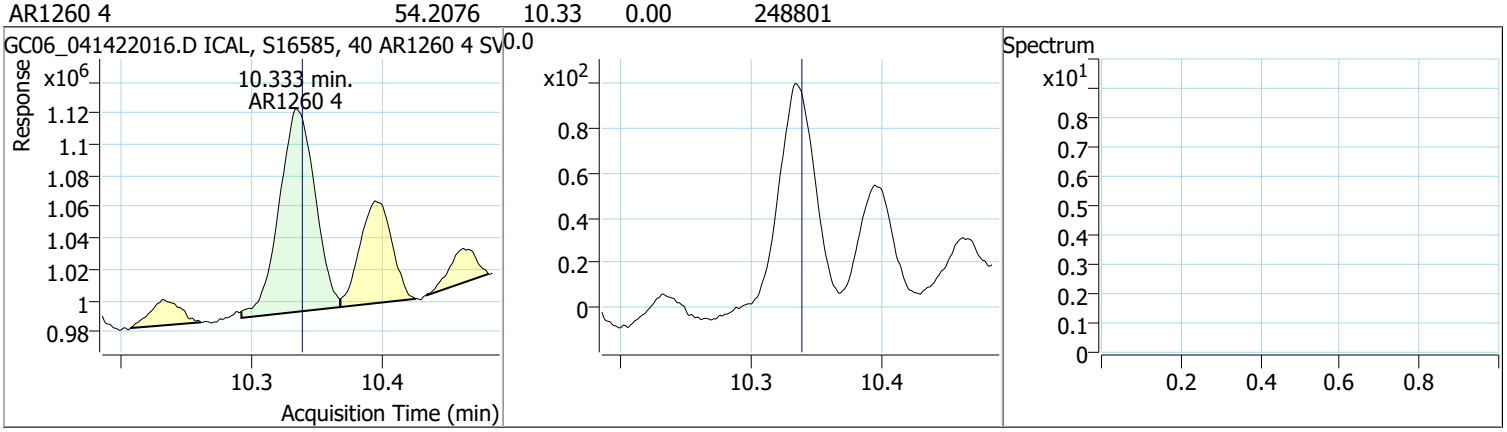
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	53.5625	9.76	0.00	494318			



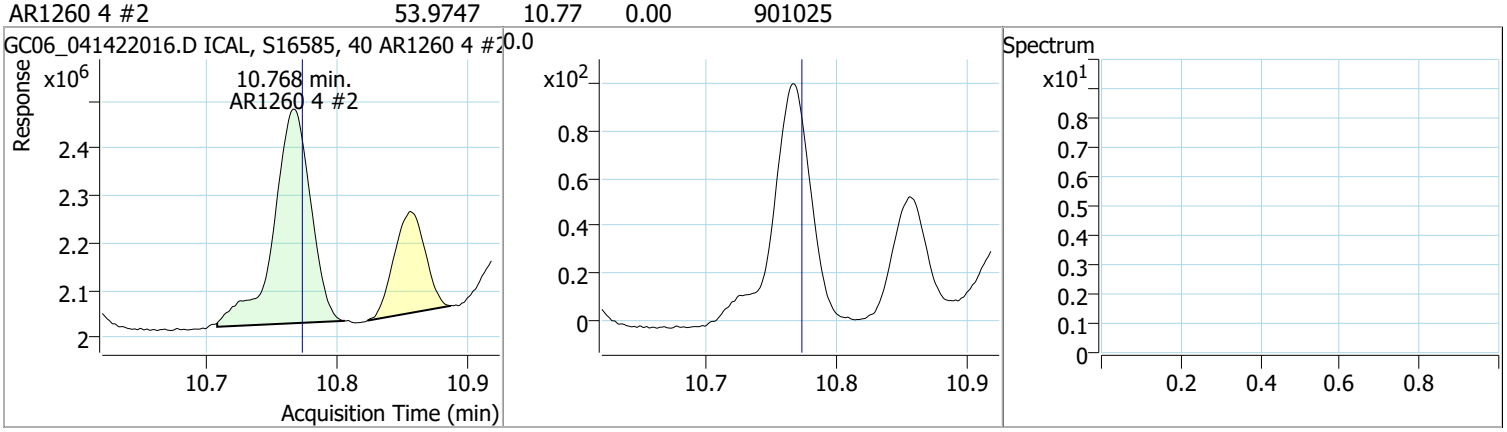
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	54.2896	10.24	0.00	1674833			



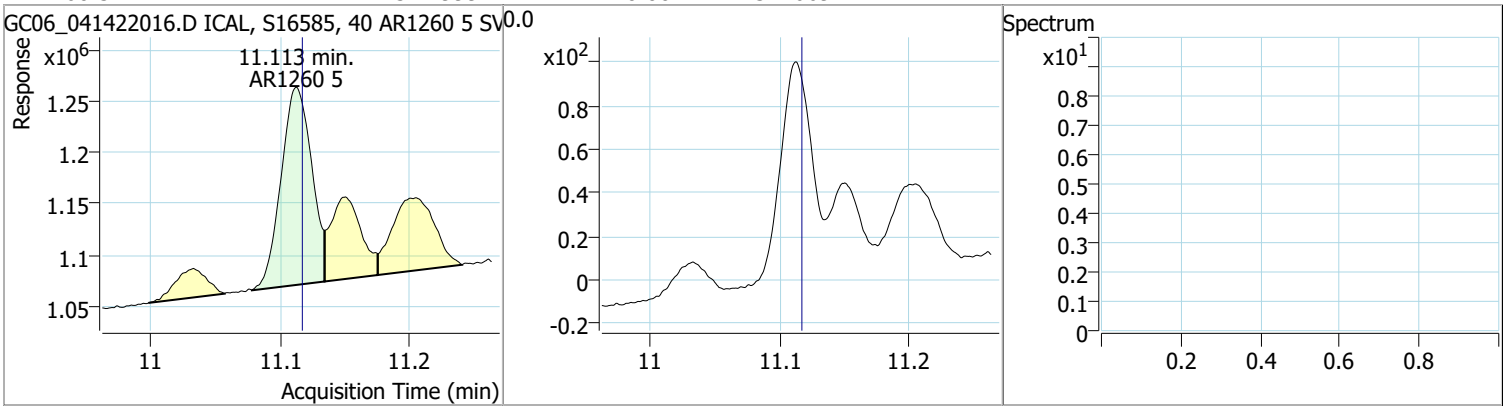
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	54.2076	10.33	0.00	248801			



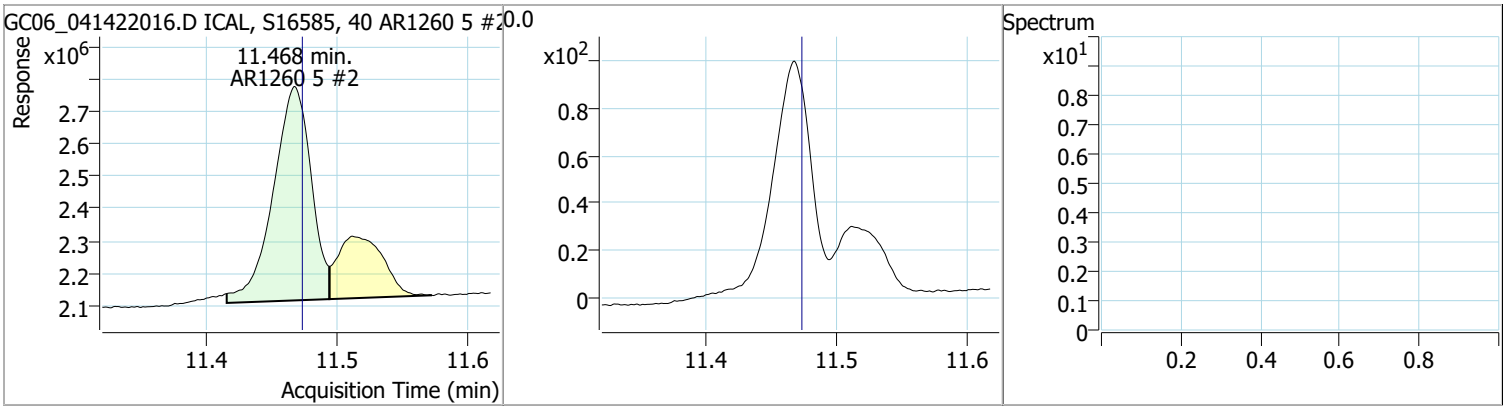
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	53.9747	10.77	0.00	901025			



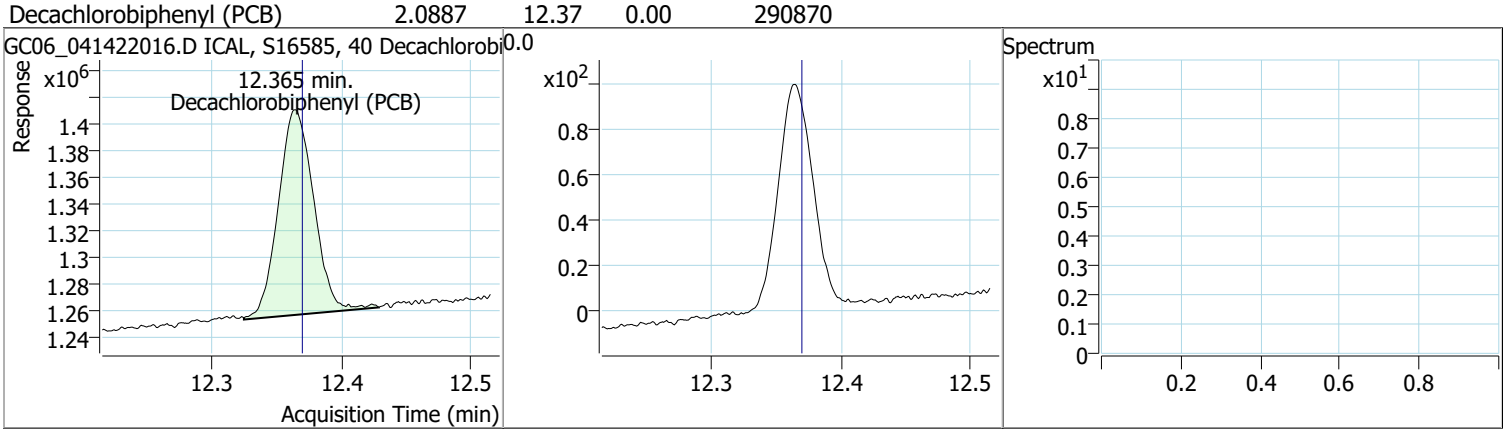
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	51.7999	11.11	0.00	314669			



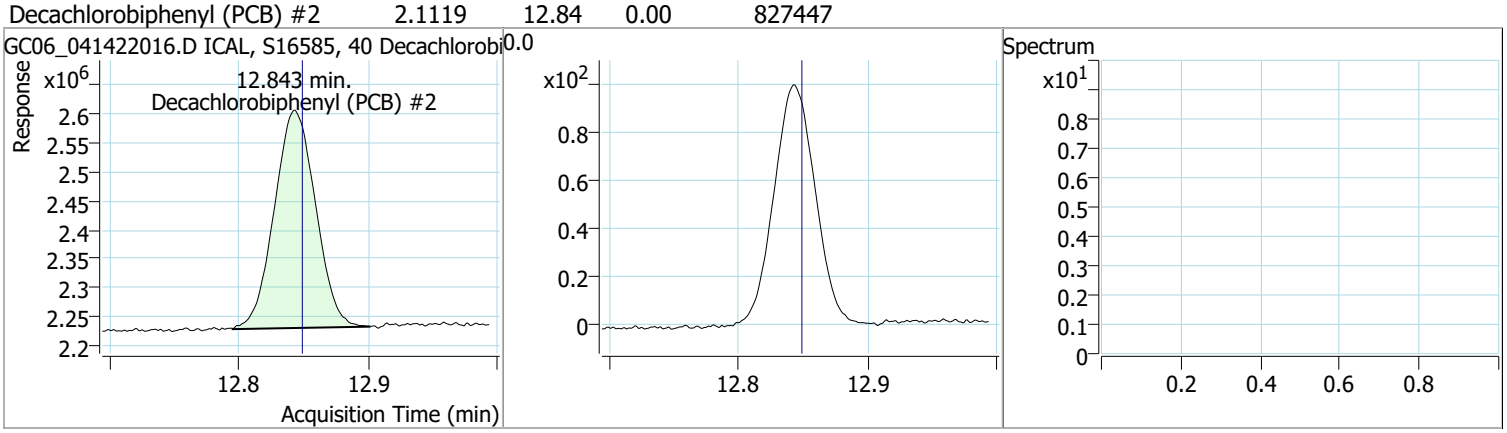
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	54.6566	11.47	0.00	1345193			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	2.0887	12.37	0.00	290870			

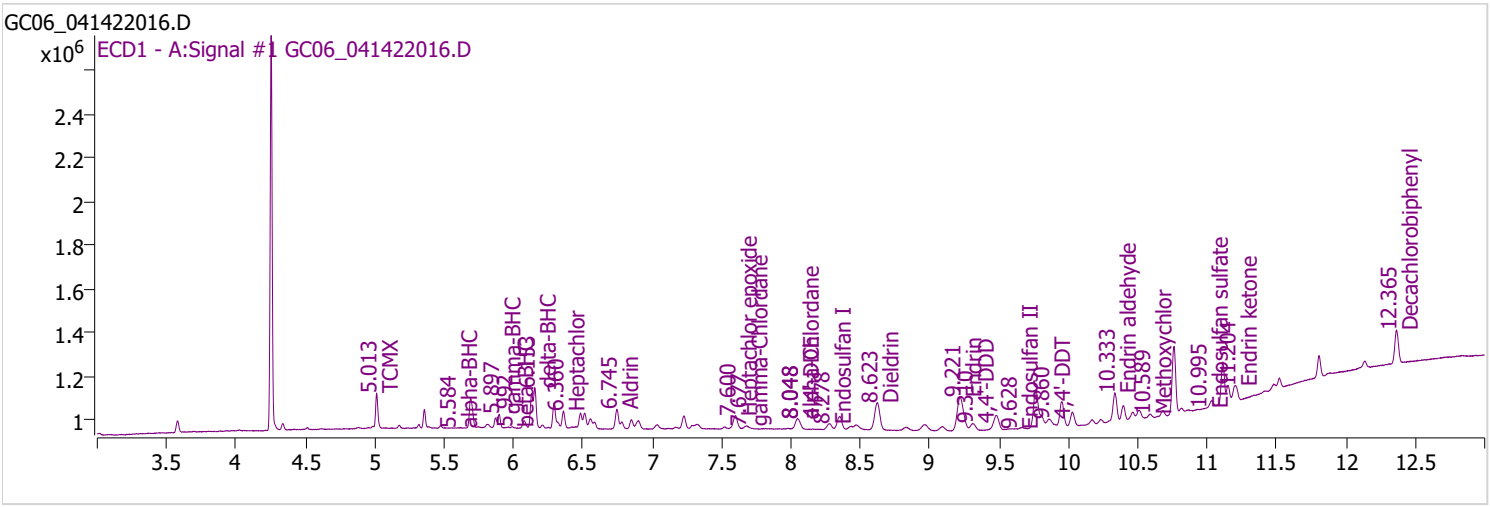


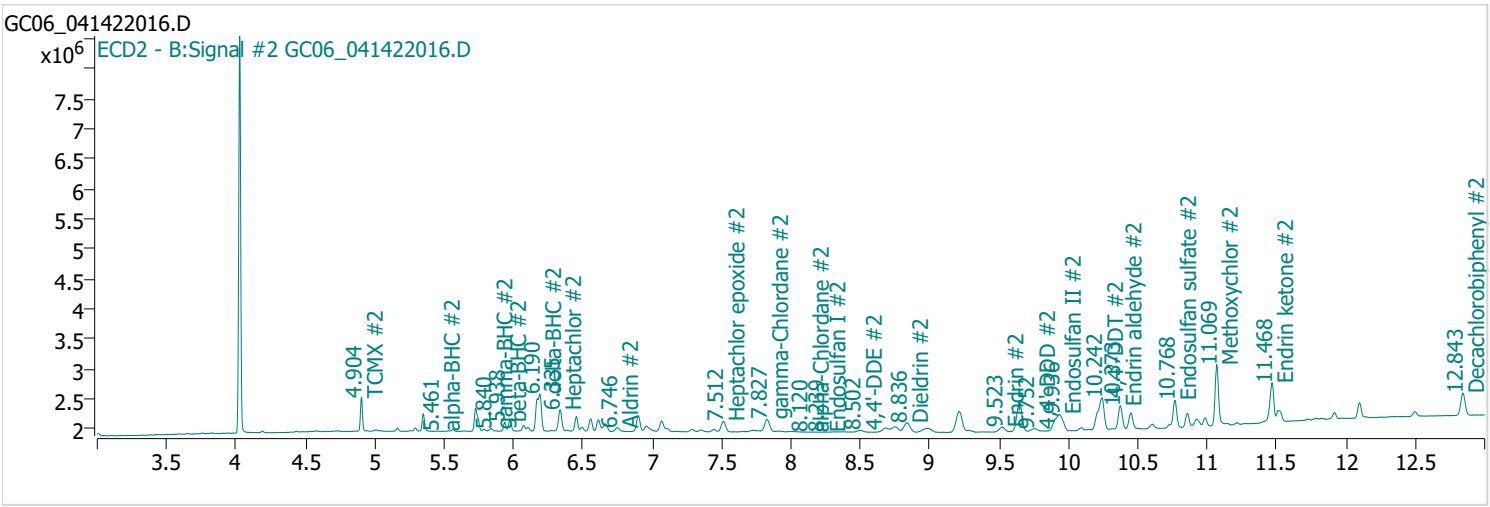
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	2.1119	12.84	0.00	827447			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422016.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 6:58:47 PM
Sample Name	ICAL, S16585, 40	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 112	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 7:13:01 PM



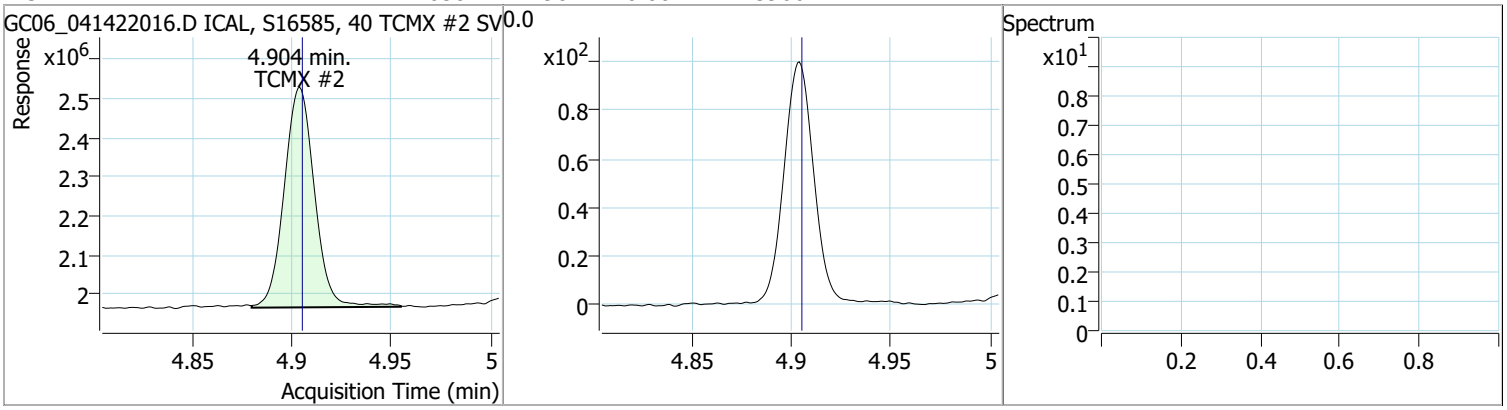


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.253	4.027	1822294	6484704	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.013	4.904	188116	596647	2.204	2.106	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	11.02% *	10.53% *	
S Decachlorobiphenyl	12.365	12.843	283103	834130	2.275	2.285	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	11.37% *	11.43% *	
Target Compounds							
T alpha-BHC	5.584	5.461	708	2319	0.008	0.007	ng/ml
T gamma-BHC	5.897	5.840	73017	55872	0.806	0.175 #	ng/ml
T beta-BHC	5.992	5.938	7952	186145	0.179	1.112 #	ng/ml
T delta-BHC	6.153	6.190	242664	1556060	2.302	3.430 #	ng/ml
T Heptachlor	6.360	6.335	88833	603712	0.950	1.636 #	ng/ml
T Aldrin	6.745	6.746	142118	137298	1.492	0.406 #	ng/ml
T Heptachlor epoxide	7.600	7.512	143946	366575	1.539	1.147 #	ng/ml
T gamma-Chlordane	7.677	7.827	30443	479154	0.366	1.393 #	ng/ml
T alpha-Chlordane	8.048	8.120	75417	591	0.904	0.002 #	ng/ml

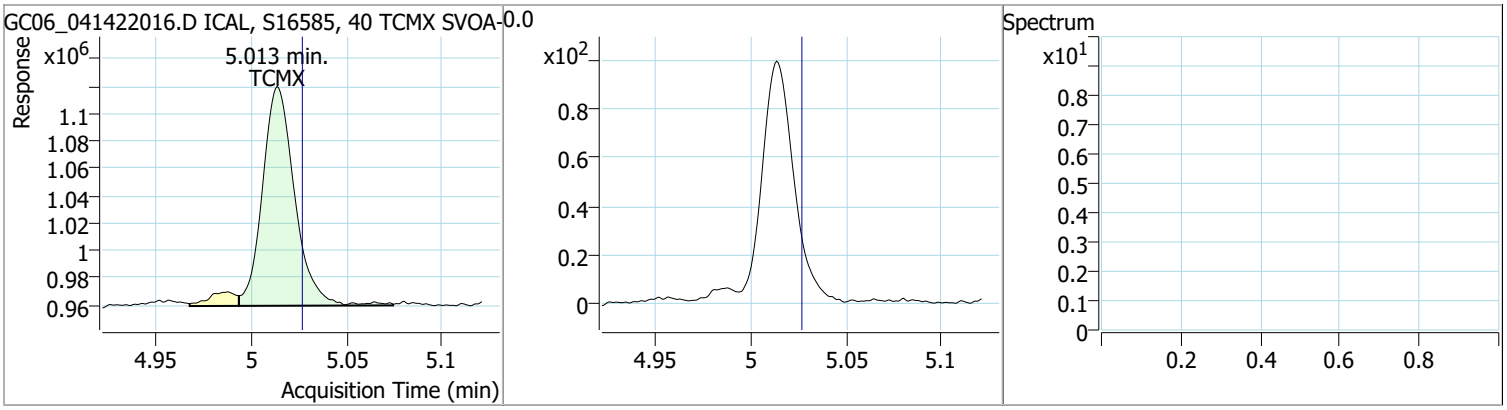
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.278	8.239	52820	1065	0.697	0.004 #	ng/ml
T 4,4'-DDE	8.048	8.502 f	118558	65903	1.470	0.255 #	ng/ml
T Dieldrin	8.623	8.836	332902	394595	3.501	1.342 #	ng/ml
T Endrin	9.221	9.523	462827	232946	4.953	0.883 #	ng/ml
T 4,4'-DDD	9.310	9.752	55130	116696	0.920	0.504 #	ng/ml
T Endosulfan II	9.628	9.936 f	2270	1133452	0.028	3.606 #	ng/ml
T 4,4'-DDT	9.860	10.242	67862	1655756	0.920	4.976 #	ng/ml
T Endrin aldehyde	10.333	10.373	232828	757302	3.588	3.290	ng/ml
T Endosulfan sulfate	10.995	10.768	30661	930538	0.434	3.519 #	ng/ml
T Methoxychlor	10.589	11.069 f	26977	1780926	0.611	11.189 #	ng/ml
T Endrin ketone	11.204	11.468 f	117079	1363092	1.278	3.969 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

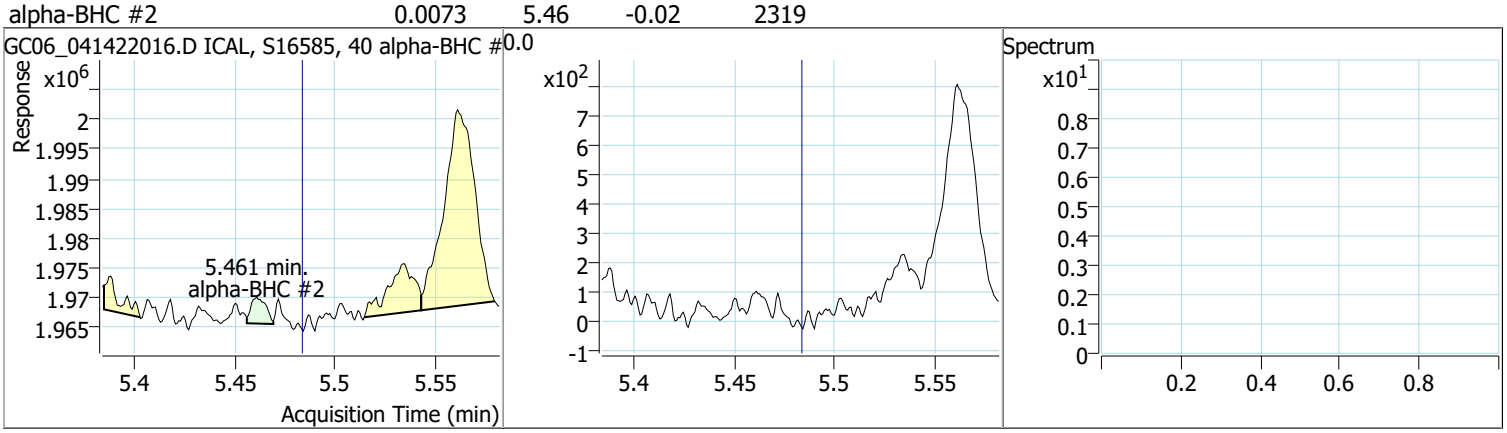
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	2.1058	4.90	0.00	596647			



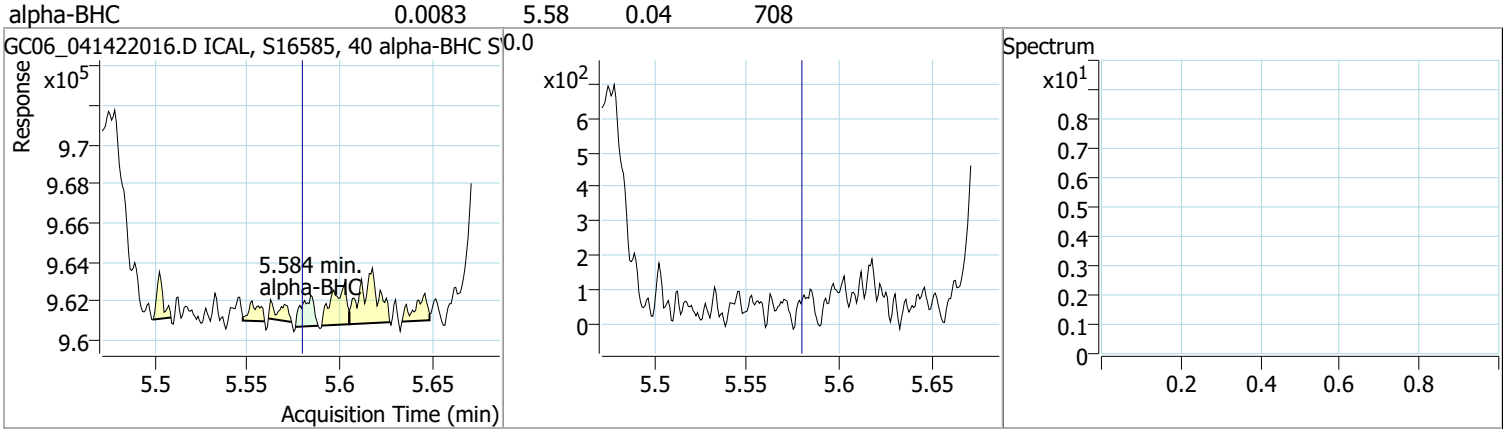
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	2.2038	5.01	0.02	188116			



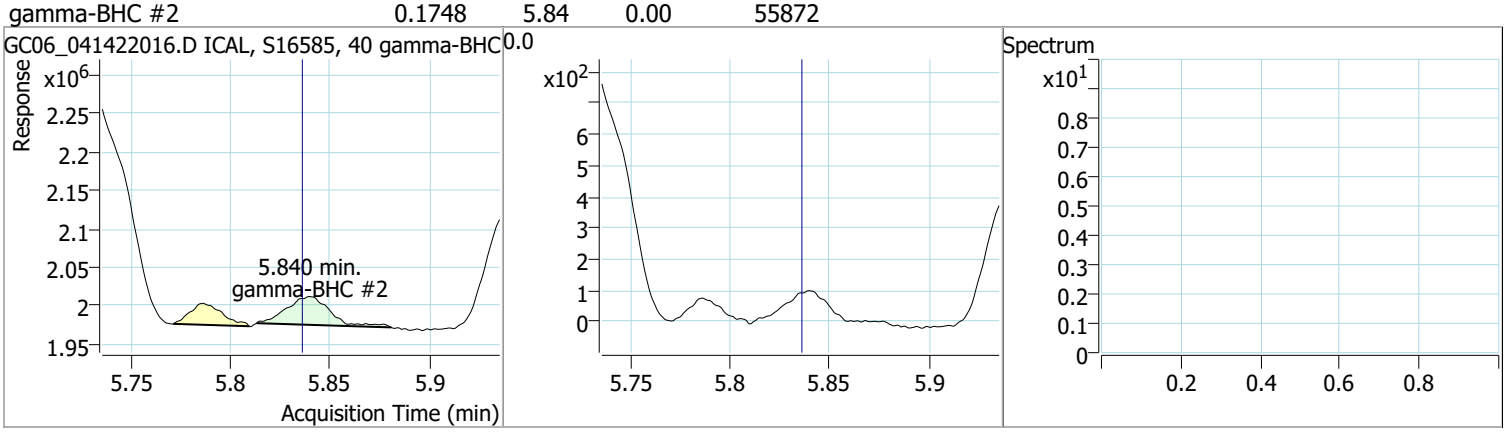
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	0.0073	5.46	-0.02	2319			



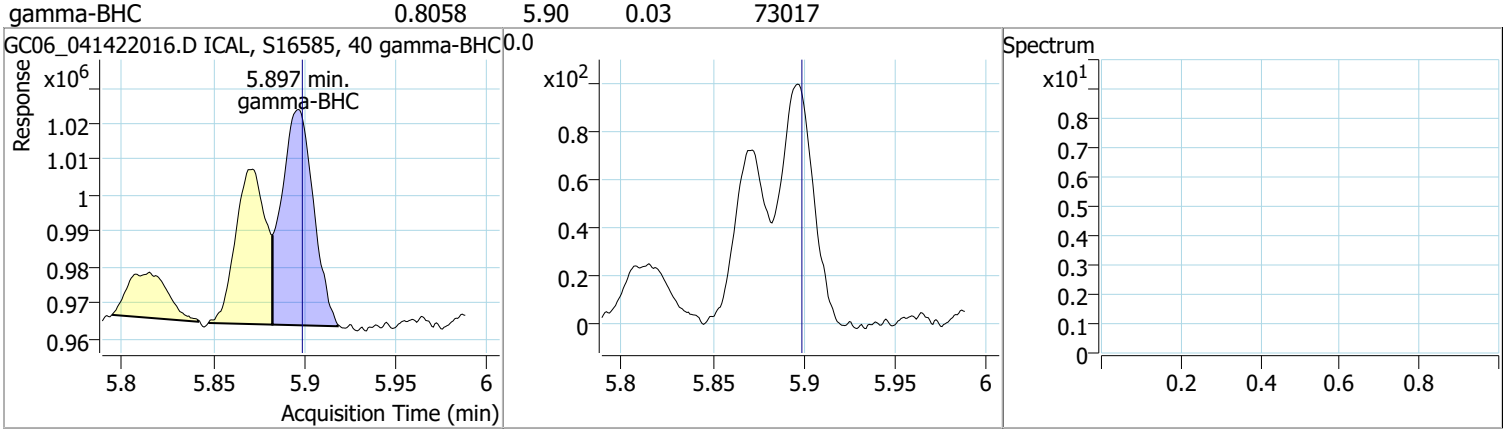
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC	0.0083	5.58	0.04	708			



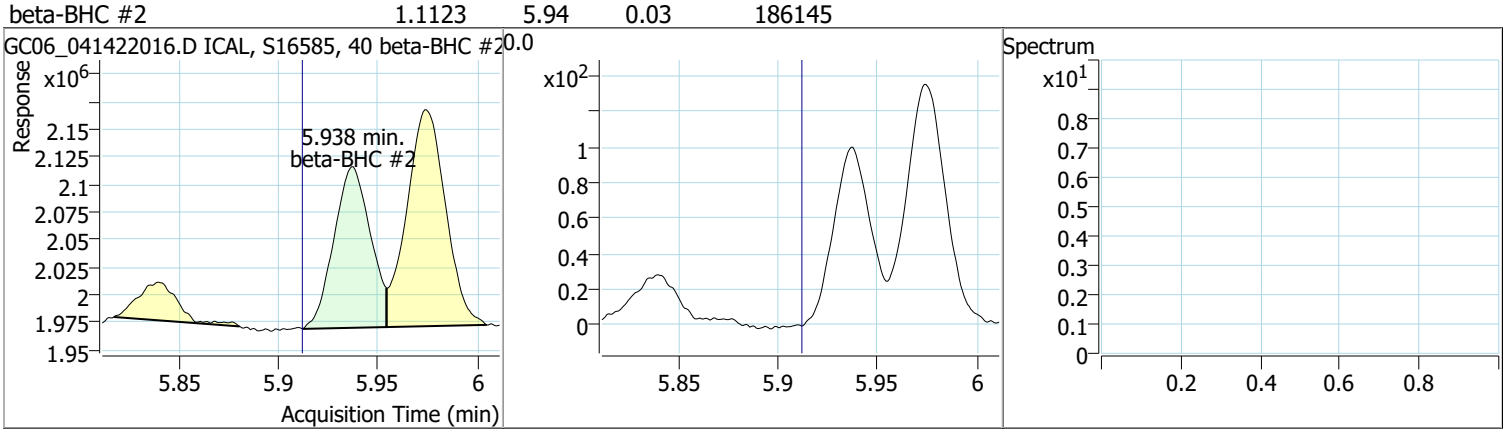
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	0.1748	5.84	0.00	55872			



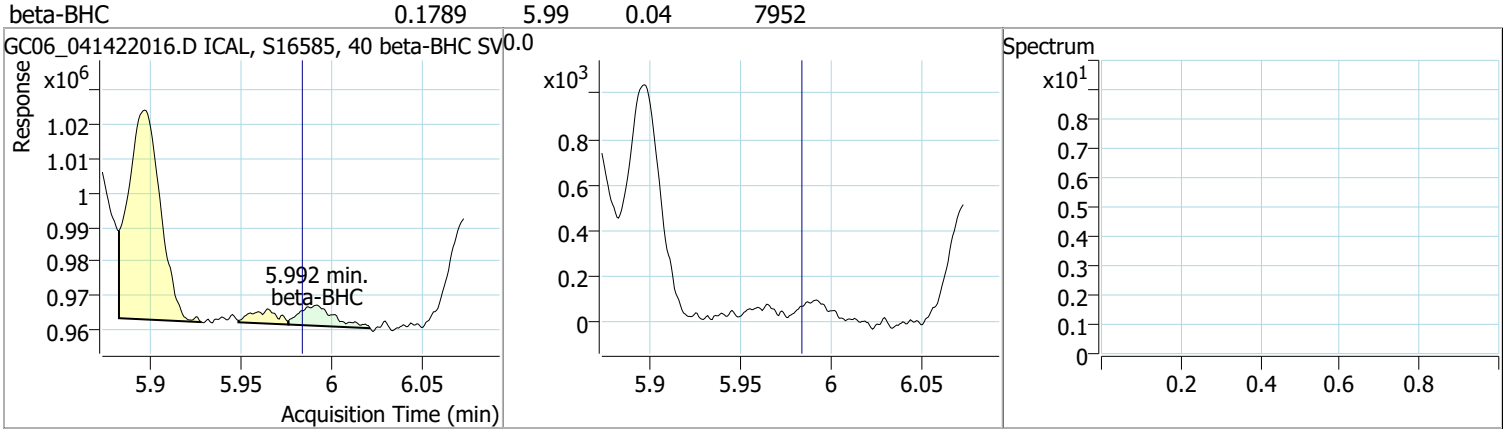
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	0.8058	5.90	0.03	73017			



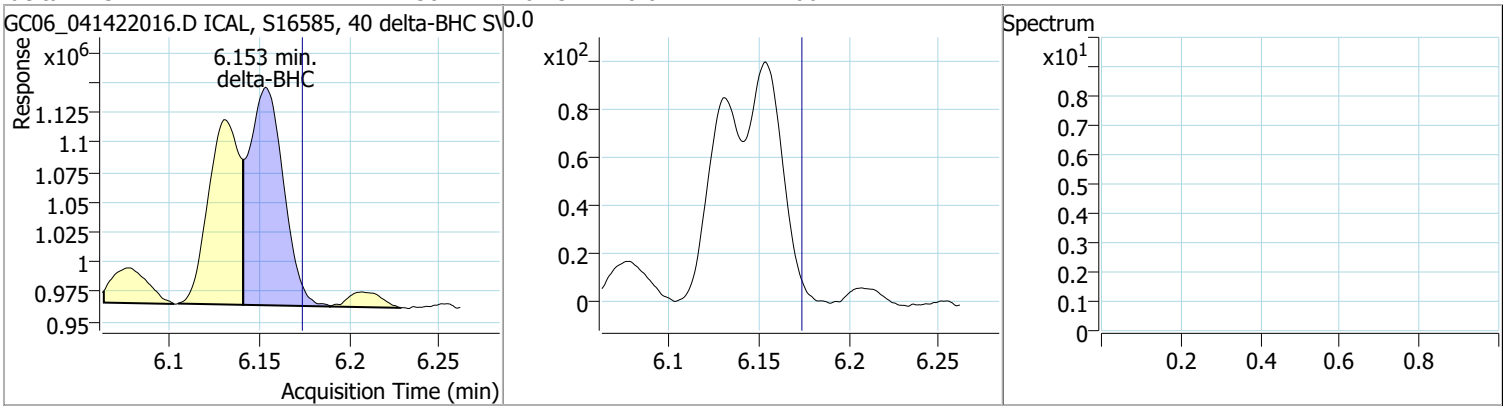
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	1.1123	5.94	0.03	186145			



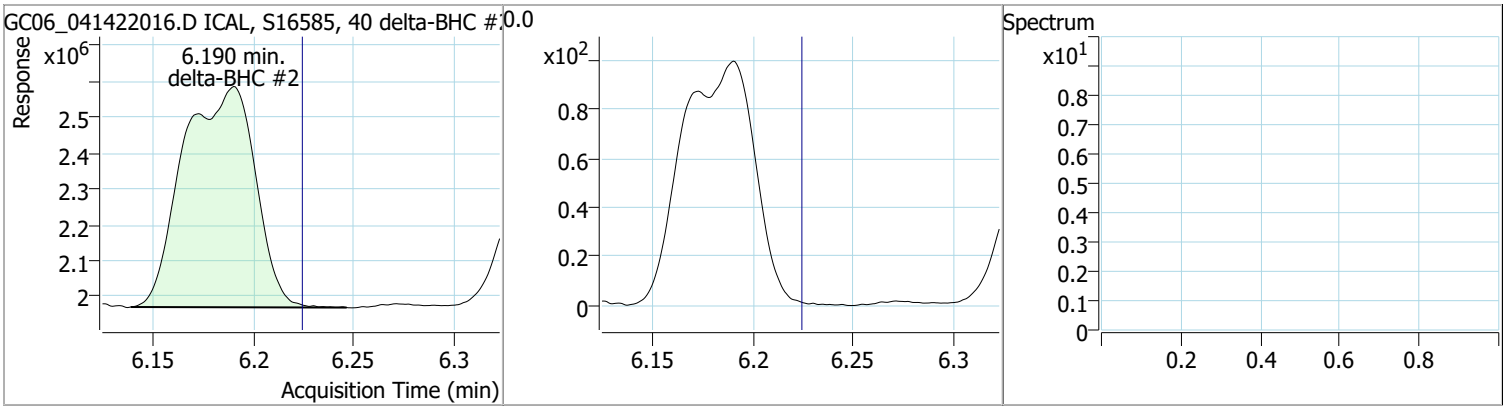
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	0.1789	5.99	0.04	7952			



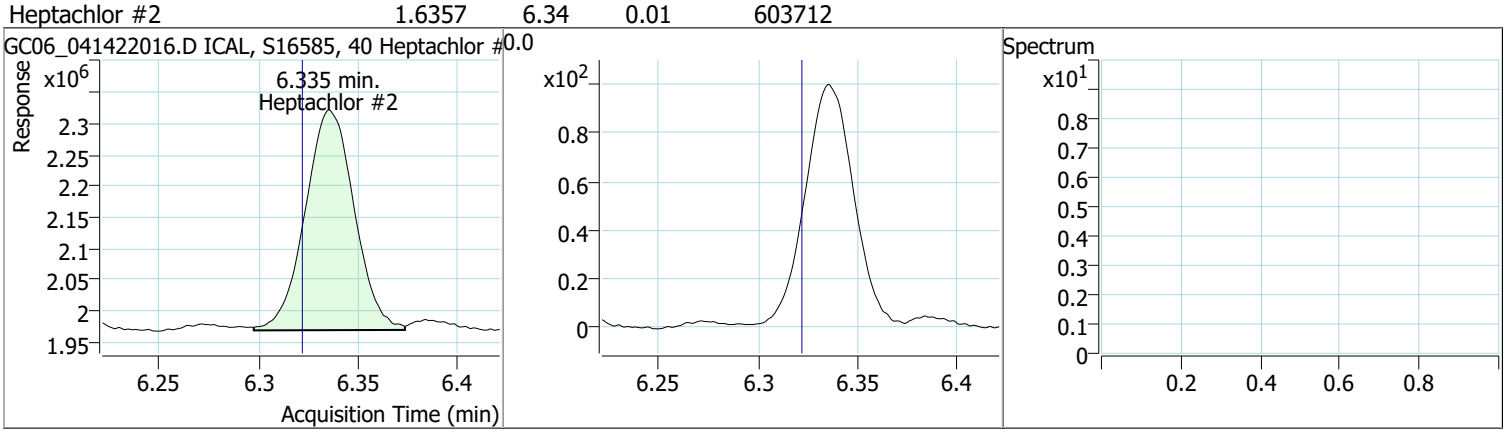
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	2.3017	6.15	0.01	242664			



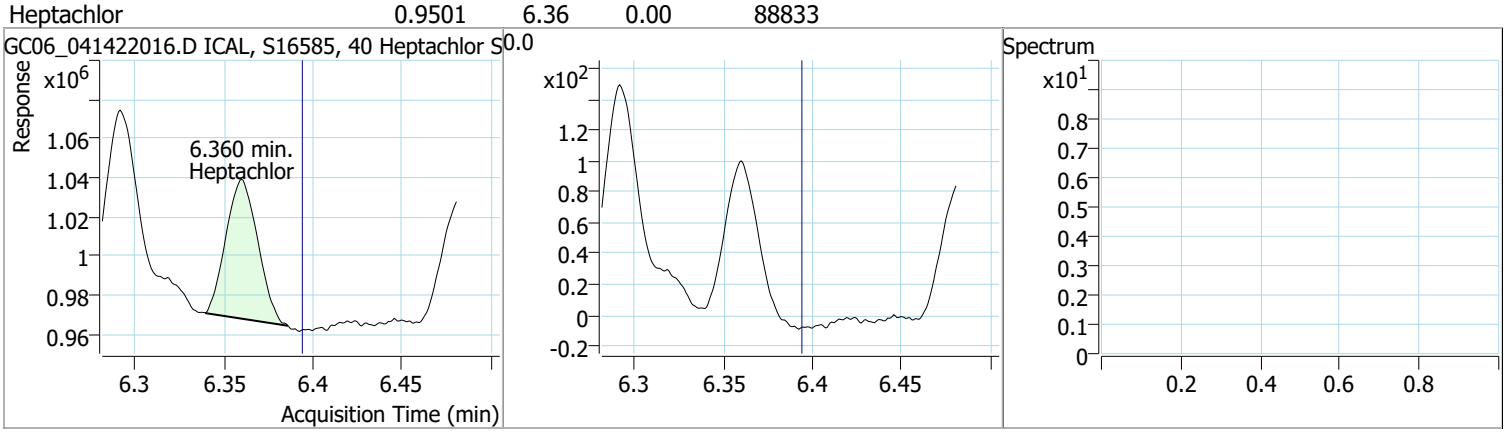
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	3.4300	6.19	-0.03	1556060			



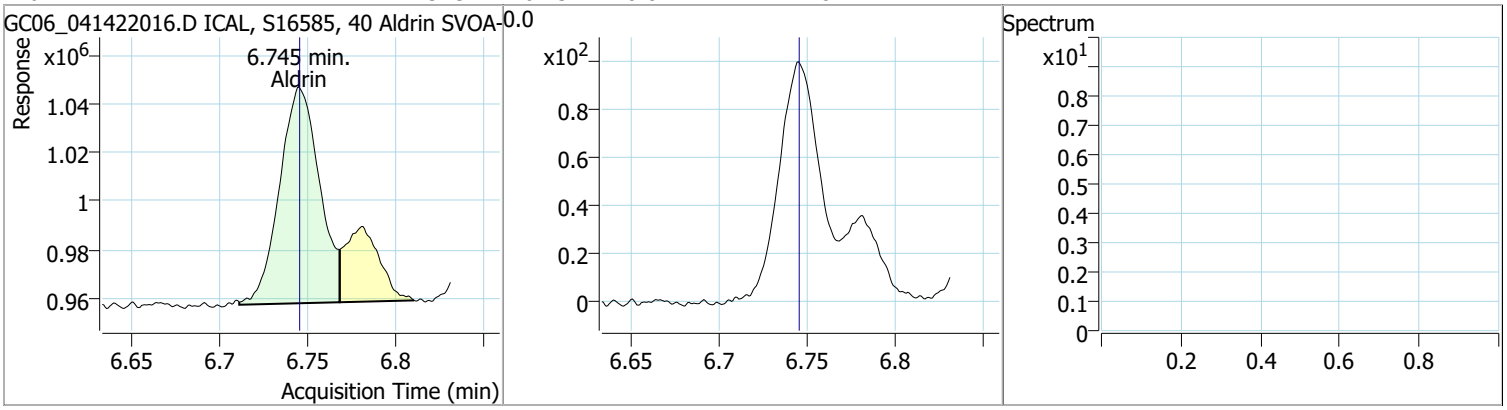
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	1.6357	6.34	0.01	603712			



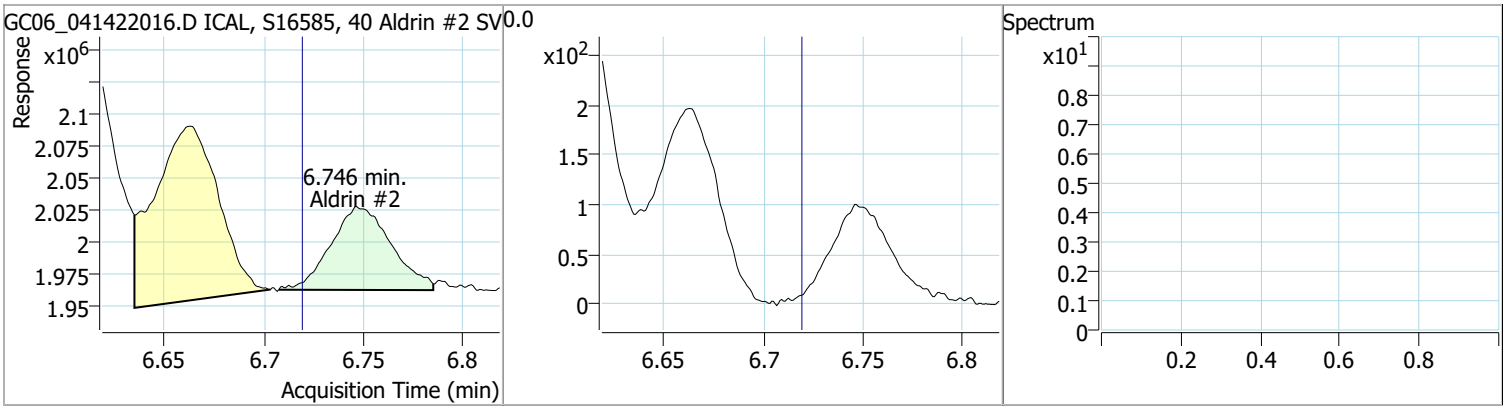
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	0.9501	6.36	0.00	88833			



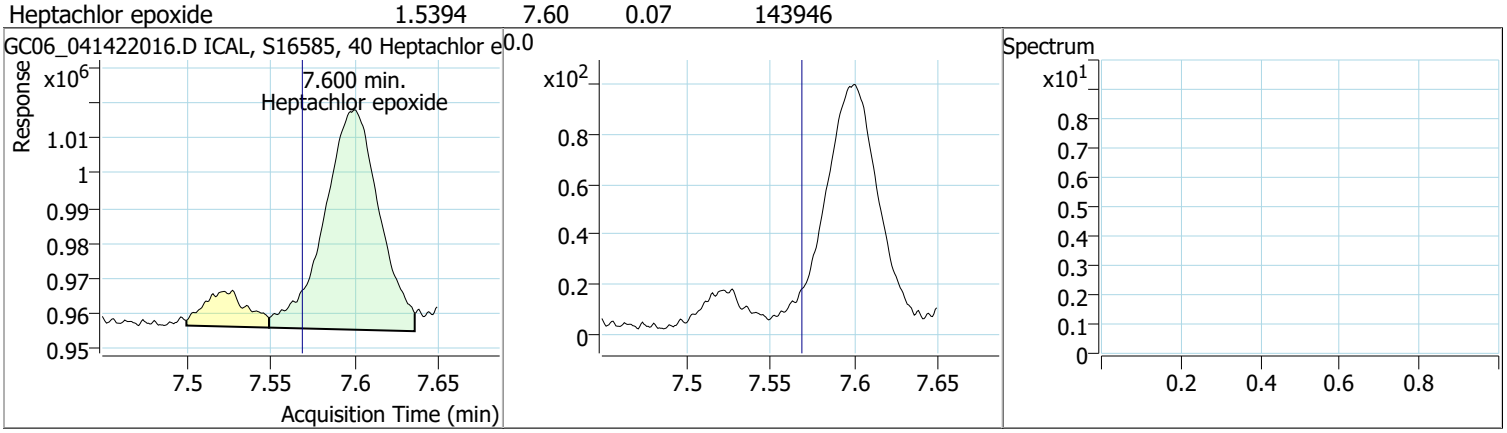
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	1.4925	6.75	0.04	142118			



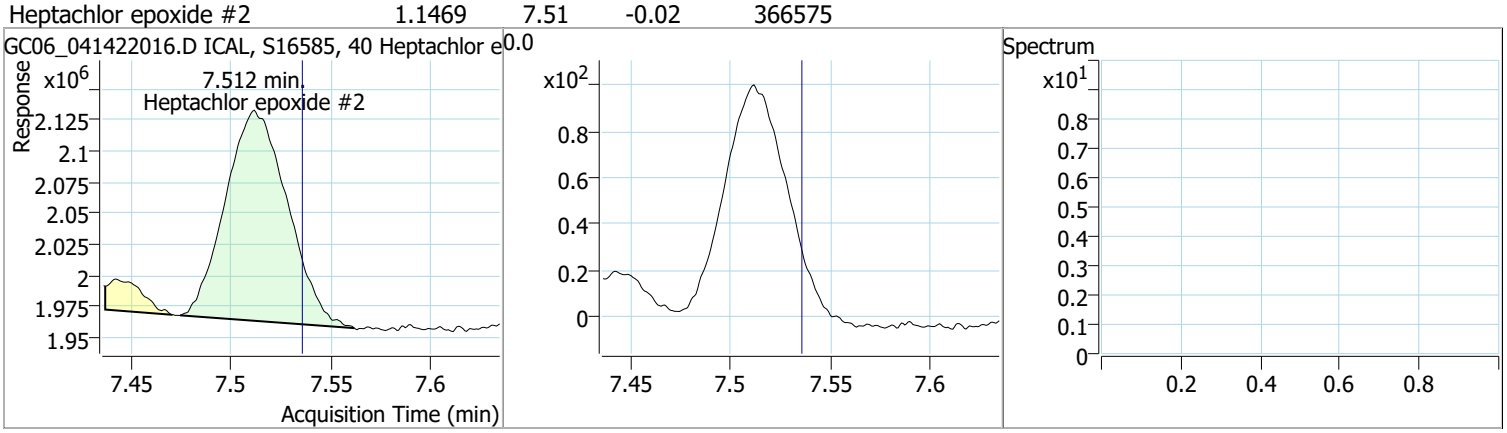
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	0.4062	6.75	0.03	137298			



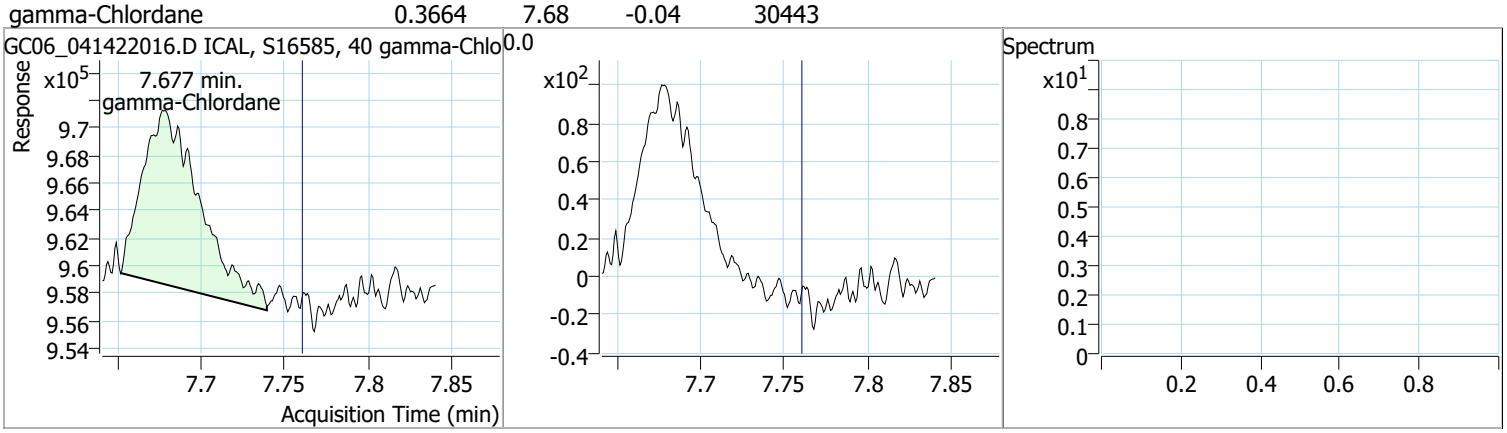
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	1.5394	7.60	0.07	143946			



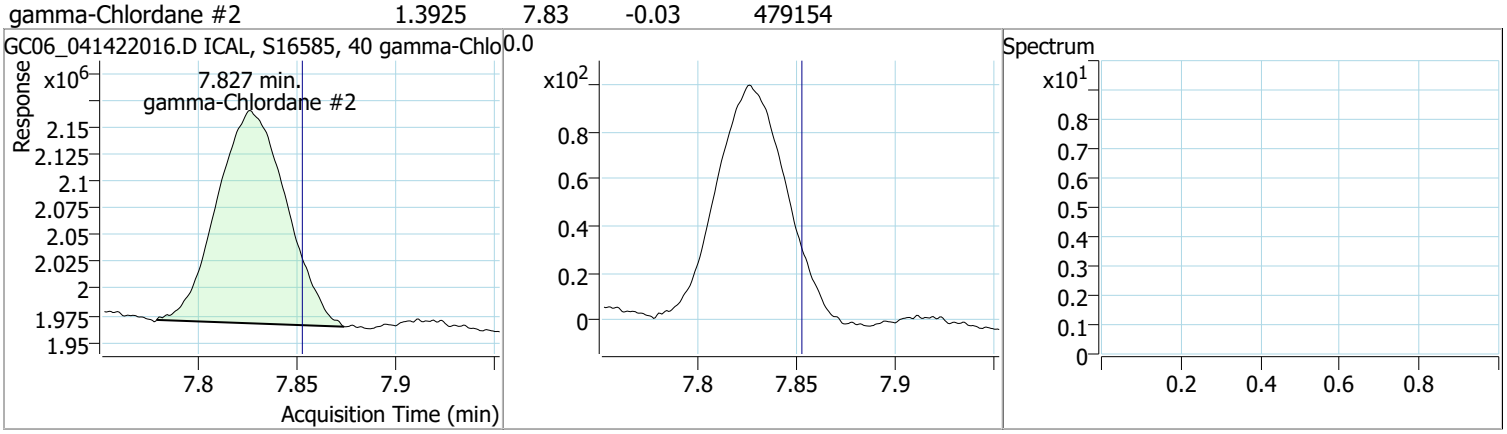
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	1.1469	7.51	-0.02	366575			



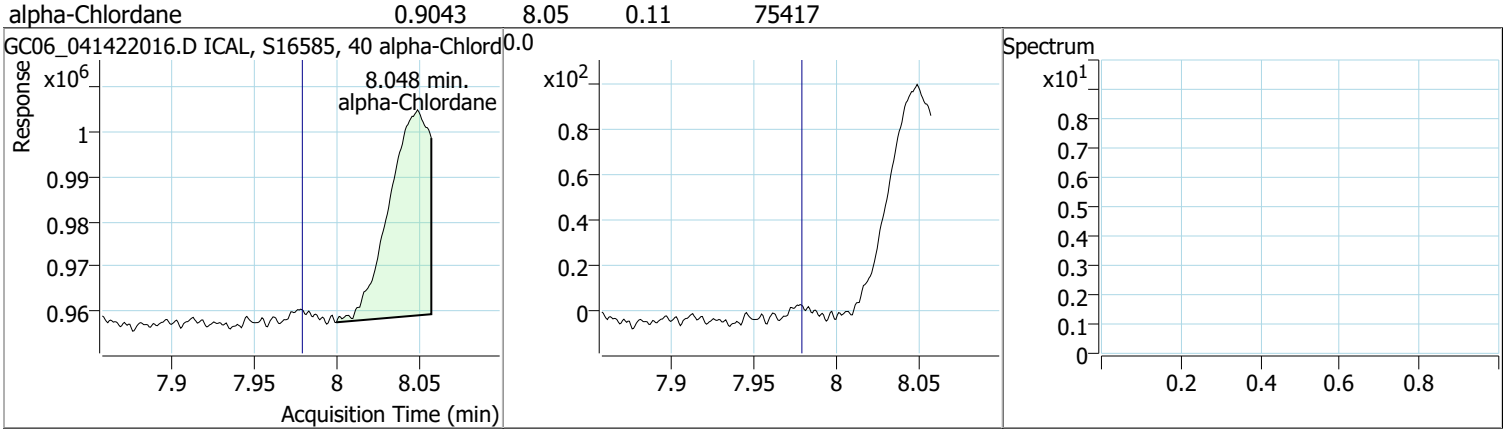
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.3664	7.68	-0.04	30443			



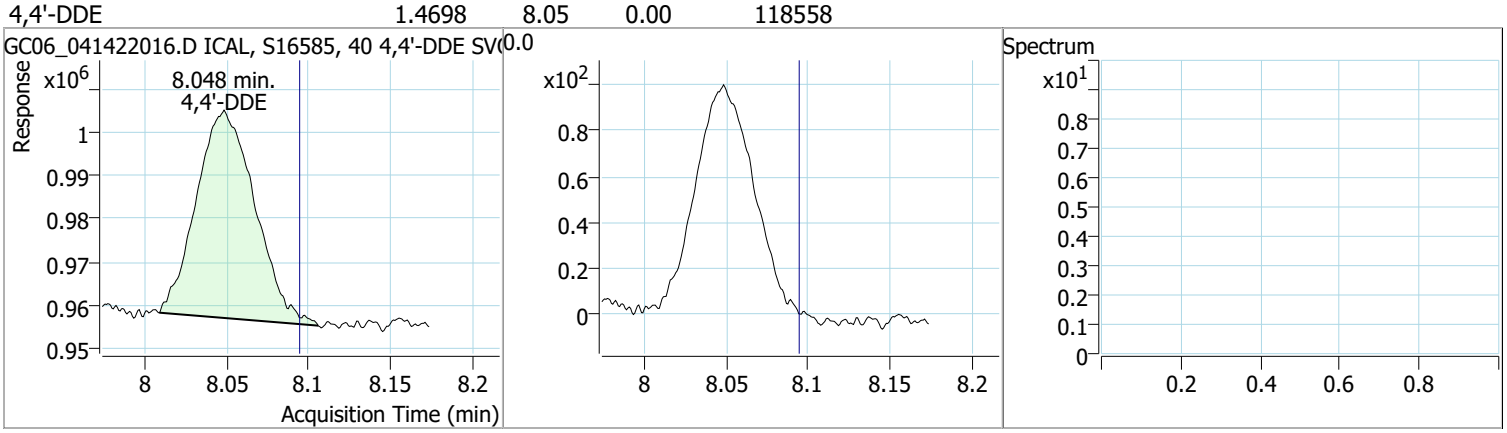
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	1.3925	7.83	-0.03	479154			



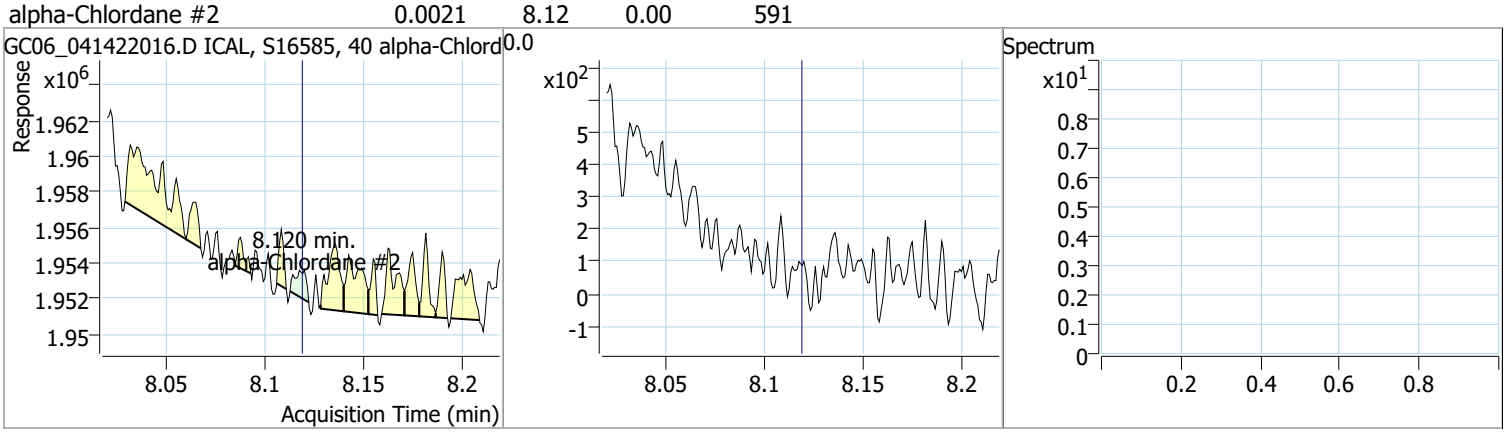
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	0.9043	8.05	0.11	75417			



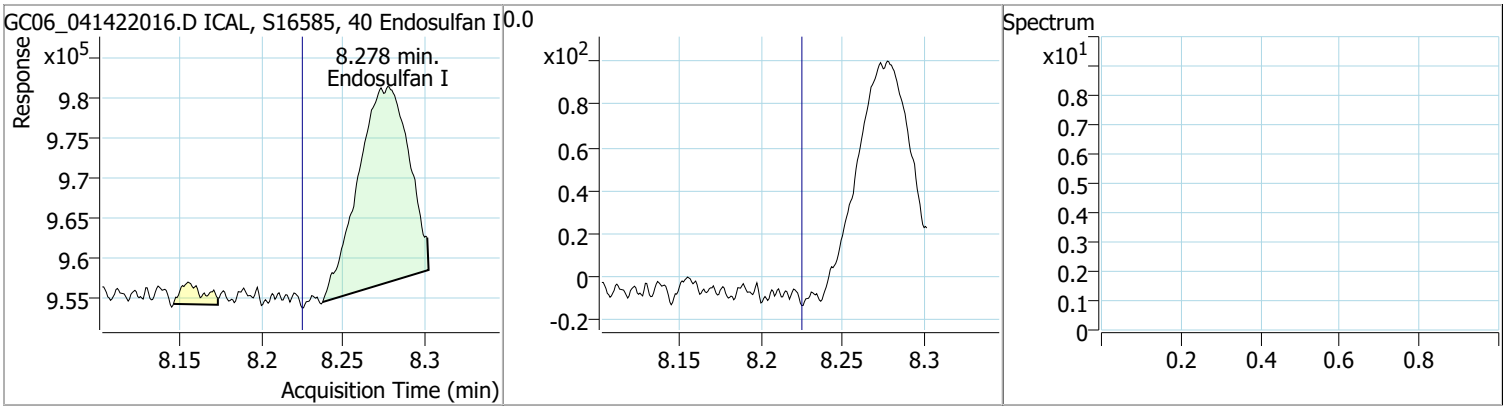
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	1.4698	8.05	0.00	118558			



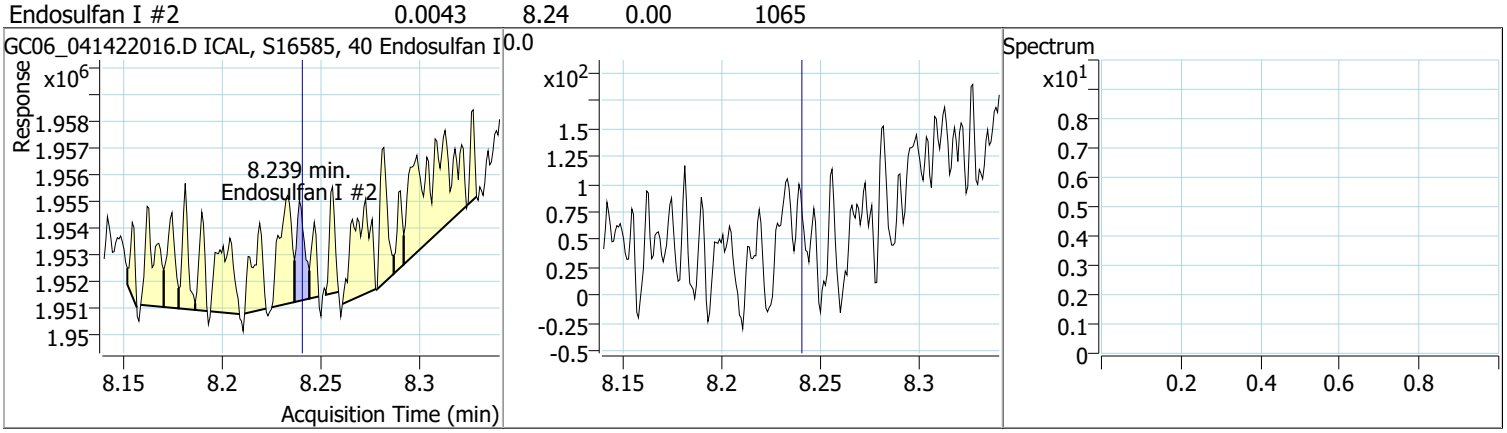
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane #2	0.0021	8.12	0.00	591			



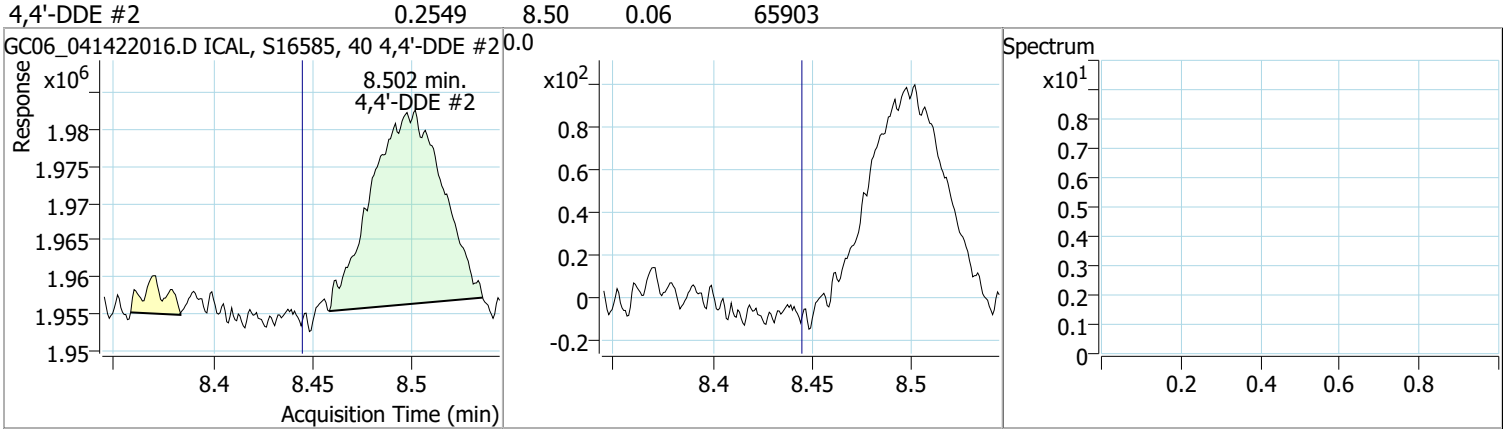
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	0.6969	8.28	0.10	52820			



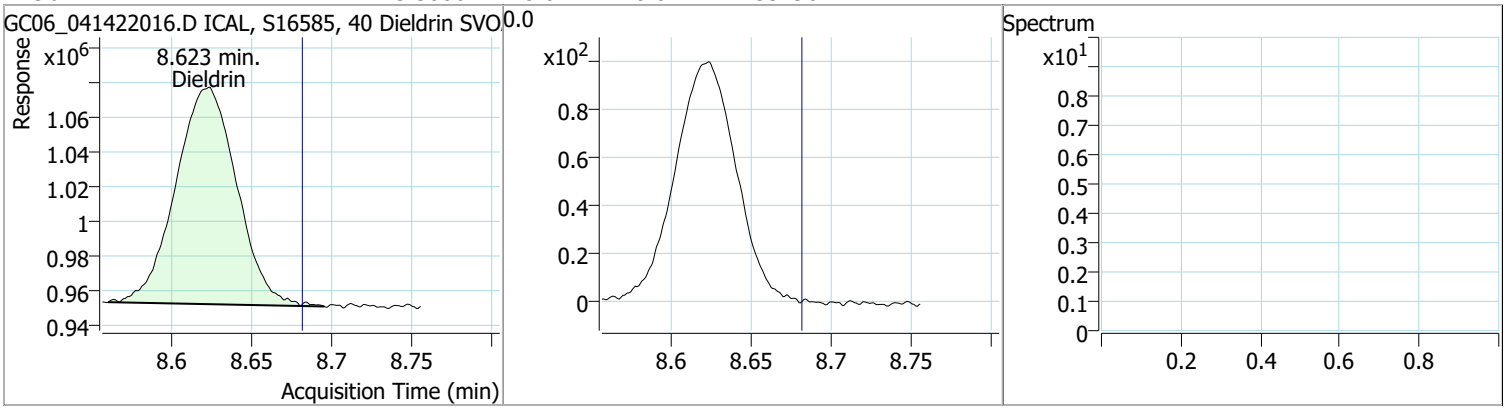
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I #2	0.0043	8.24	0.00	1065			



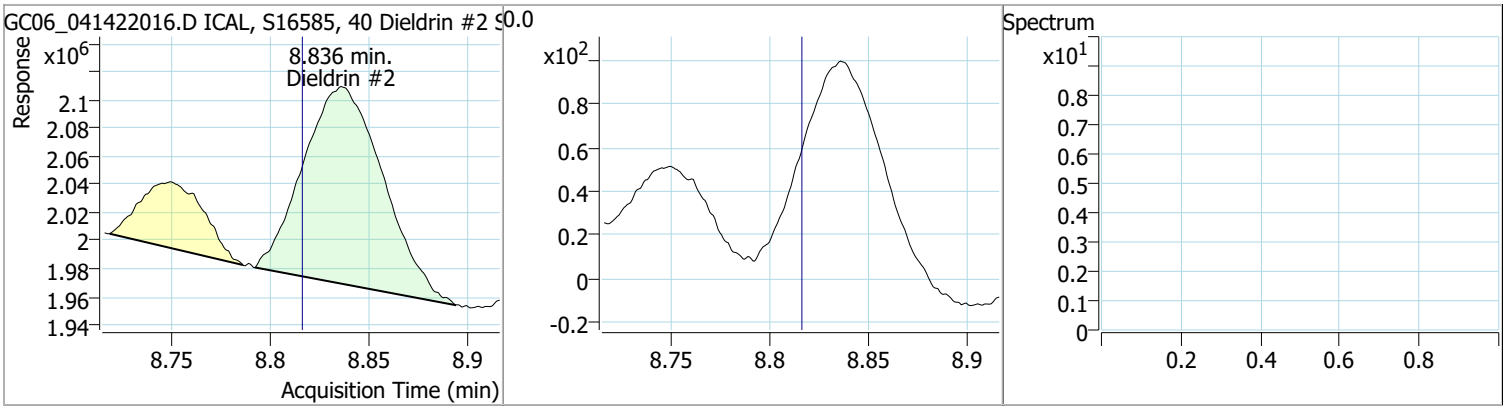
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	0.2549	8.50	0.06	65903			



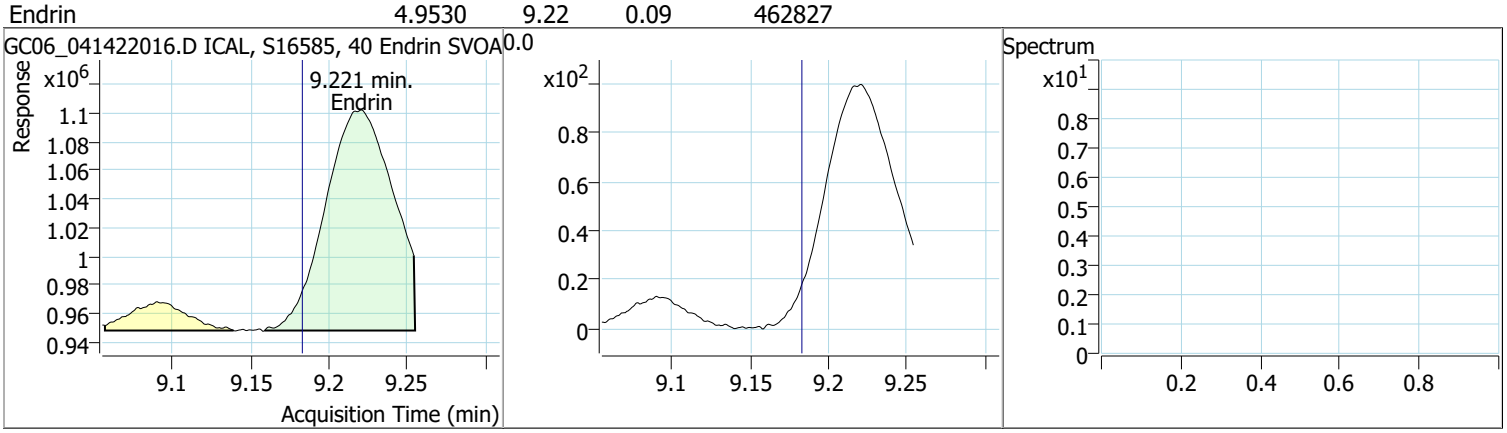
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin	3.5006	8.62	-0.01	332902			



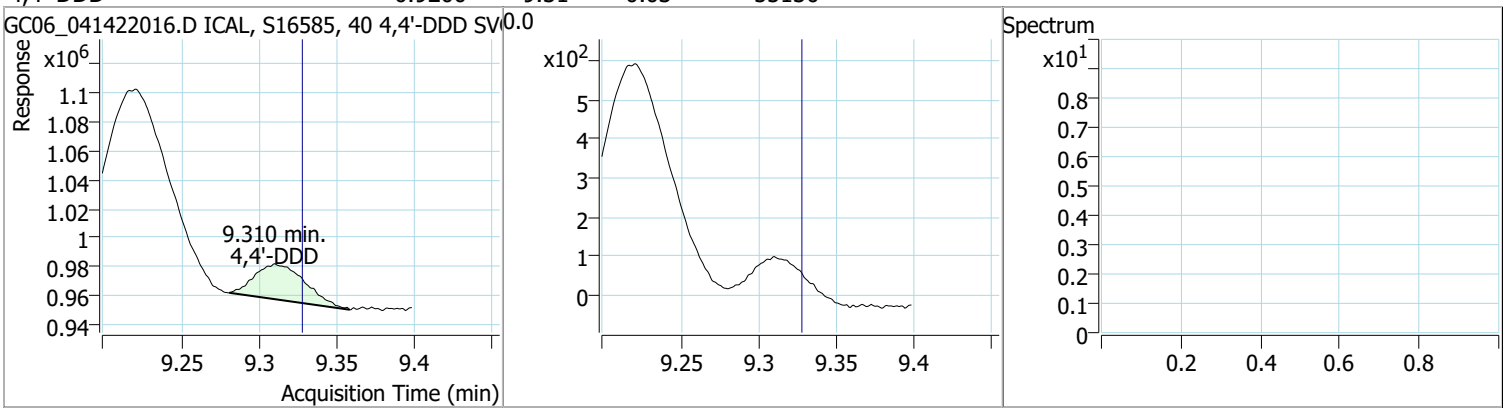
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	1.3419	8.84	0.02	394595			



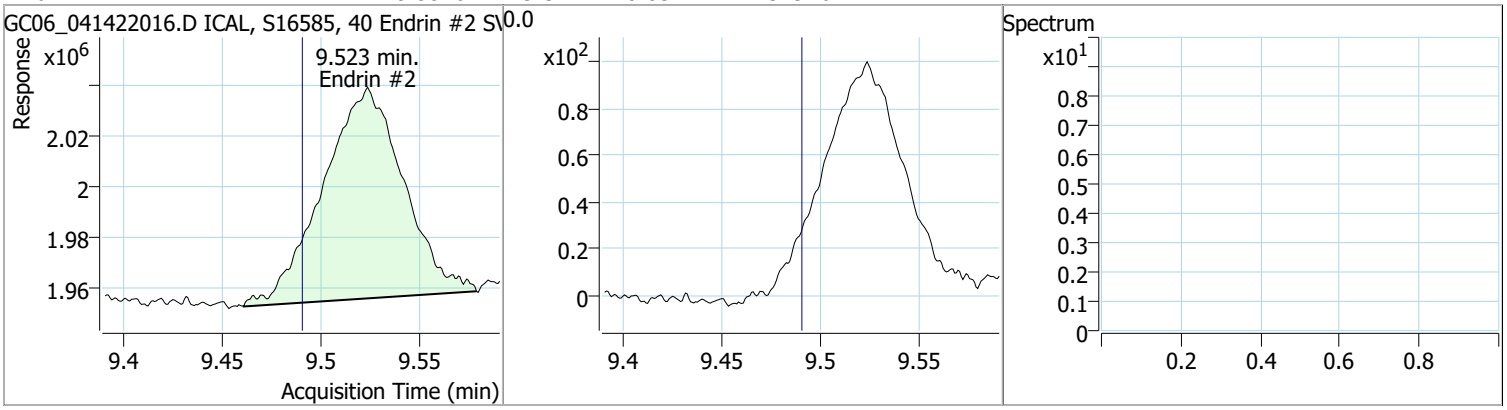
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin	4.9530	9.22	0.09	462827			



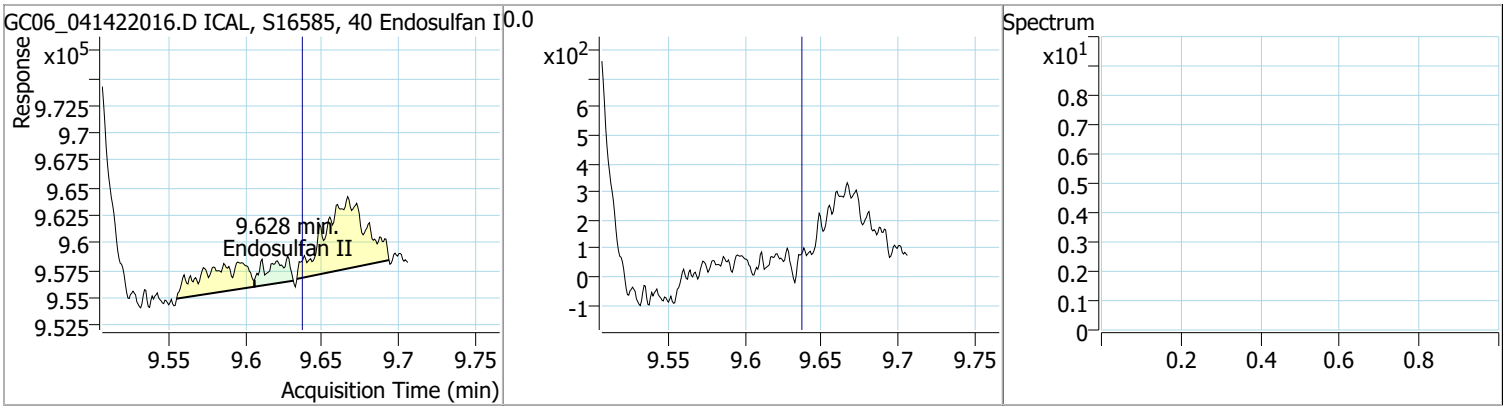
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	0.9200	9.31	0.03	55130			



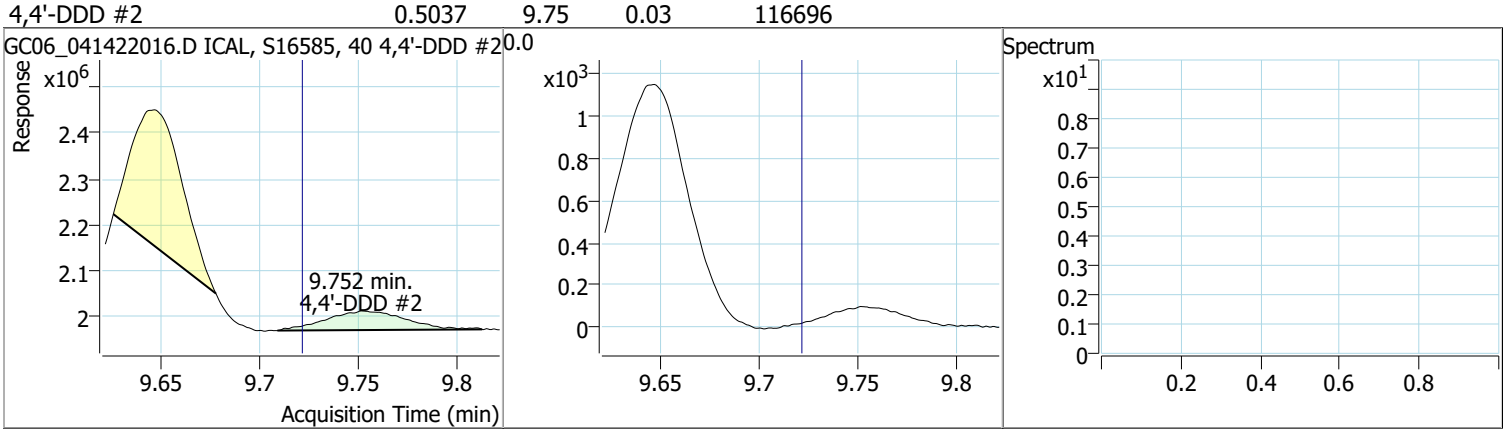
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endrin #2	0.8826	9.52	0.03	232946		



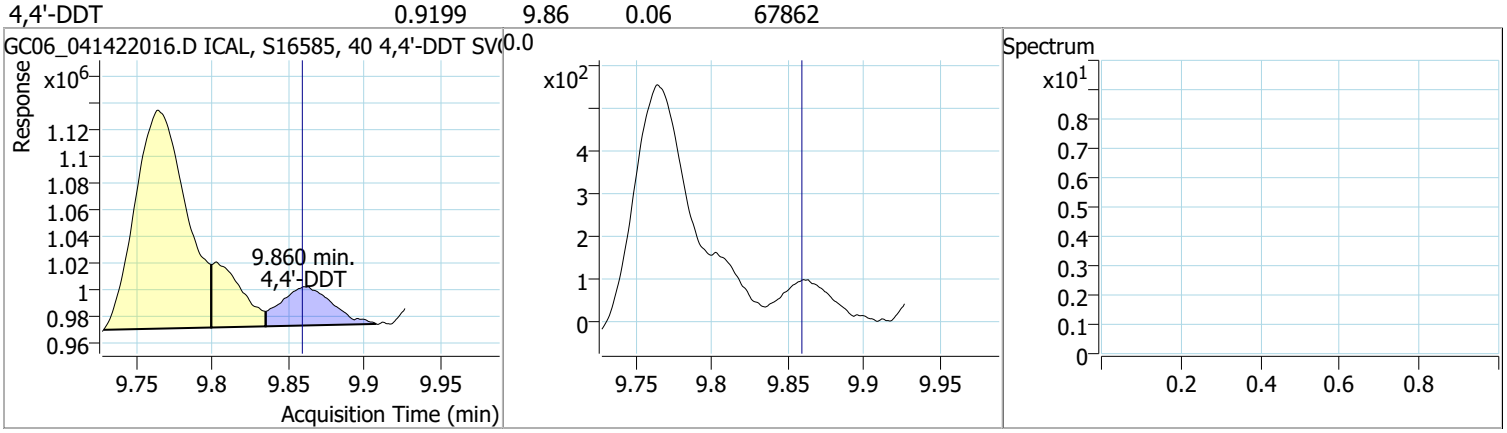
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endosulfan II	0.0277	9.63	0.04	2270		



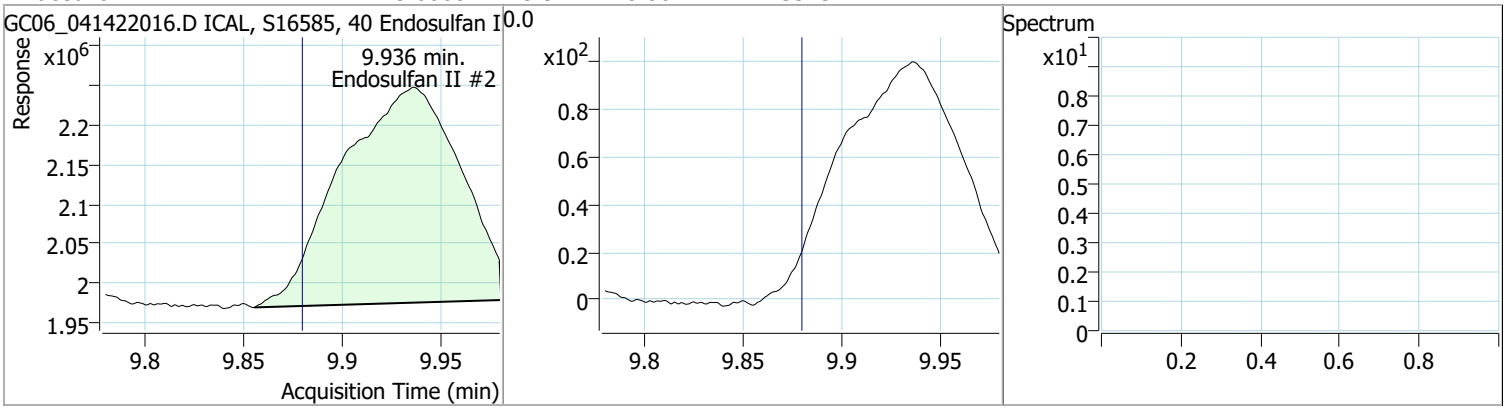
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	0.5037	9.75	0.03	116696		



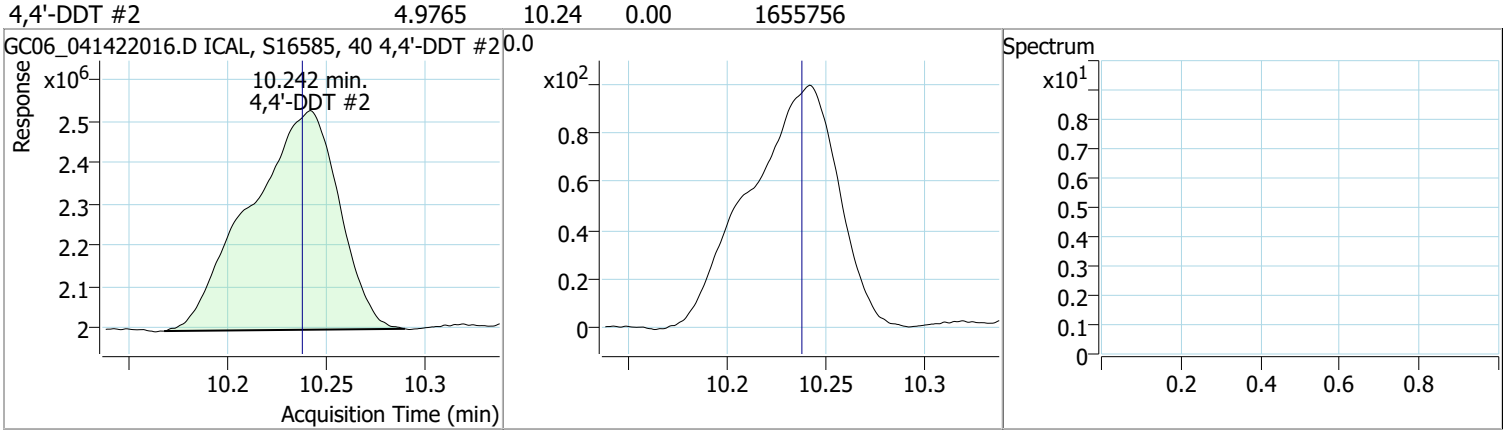
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	0.9199	9.86	0.06	67862		



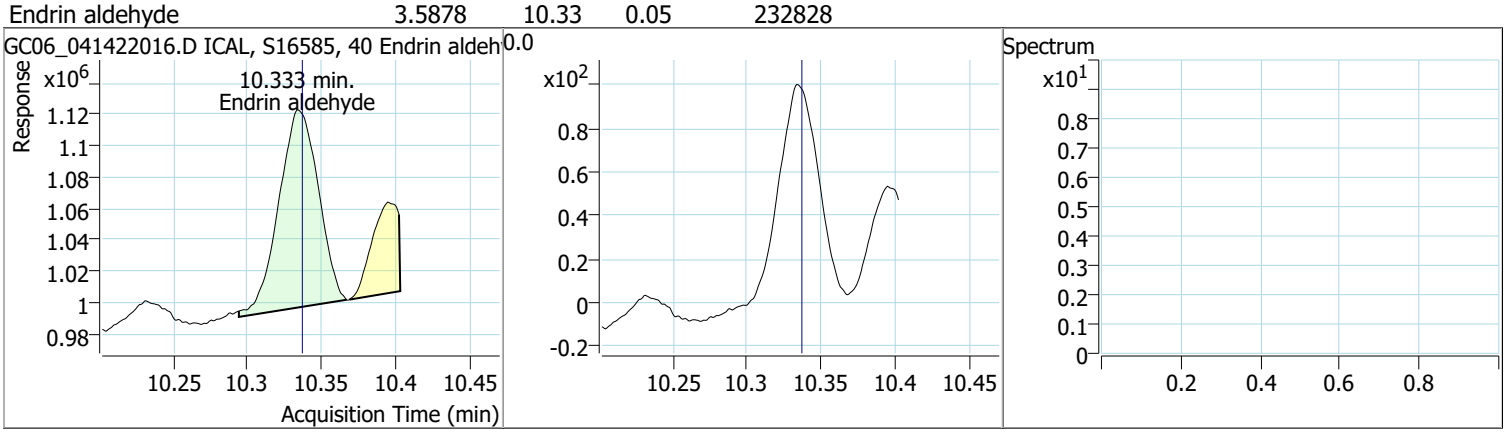
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	3.6060	9.94	0.06	1133452			



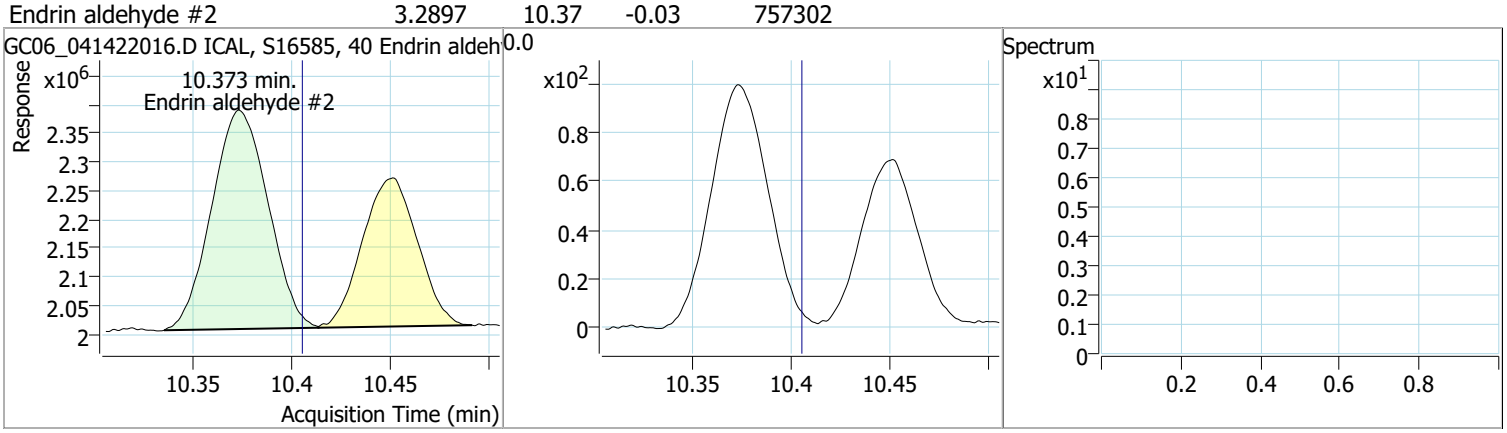
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	4.9765	10.24	0.00	1655756			



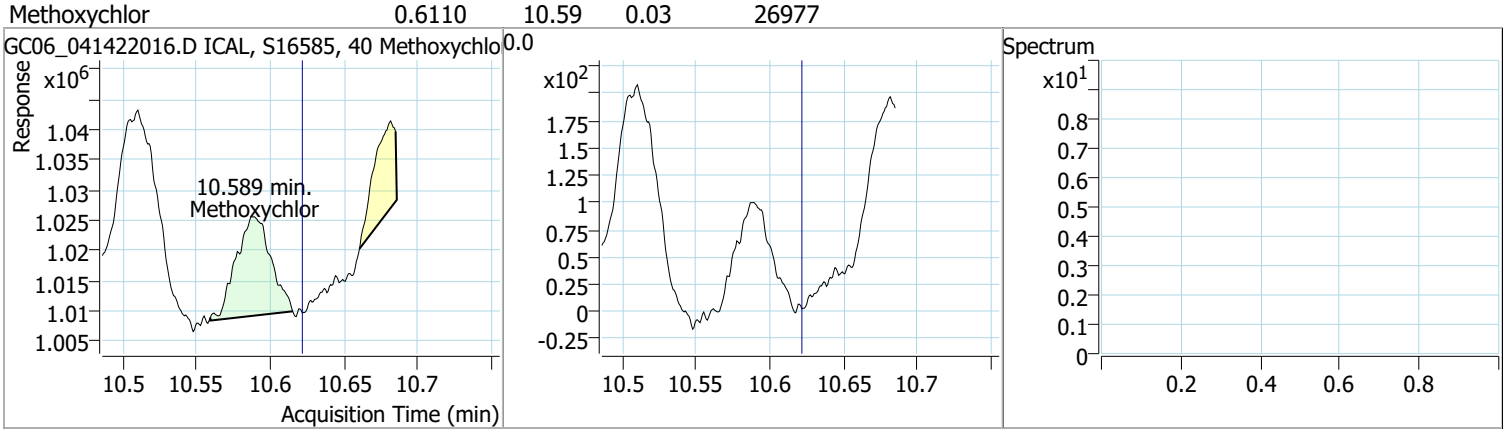
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	3.5878	10.33	0.05	232828			



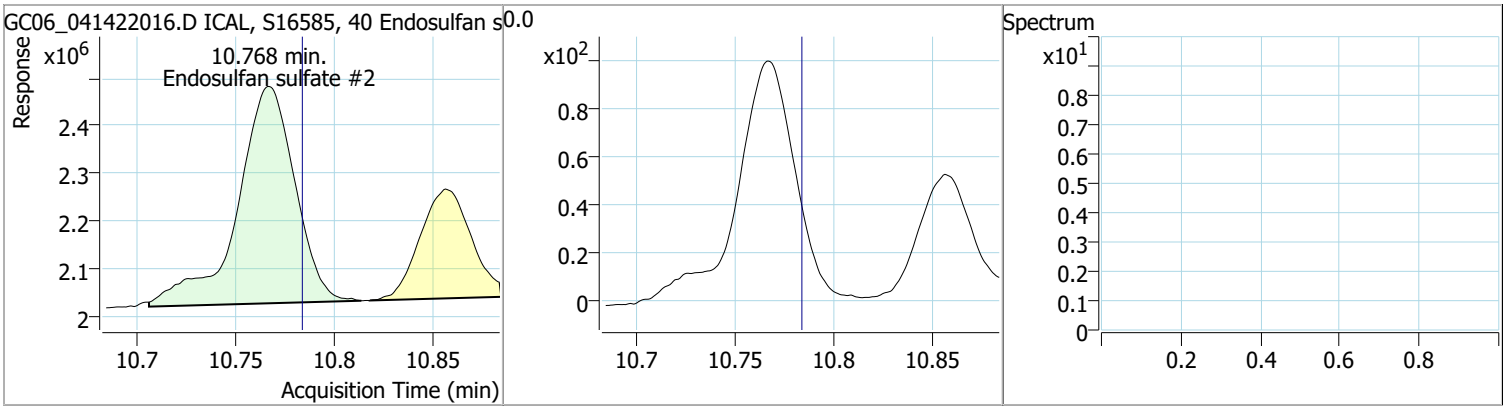
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	3.2897	10.37	-0.03	757302			



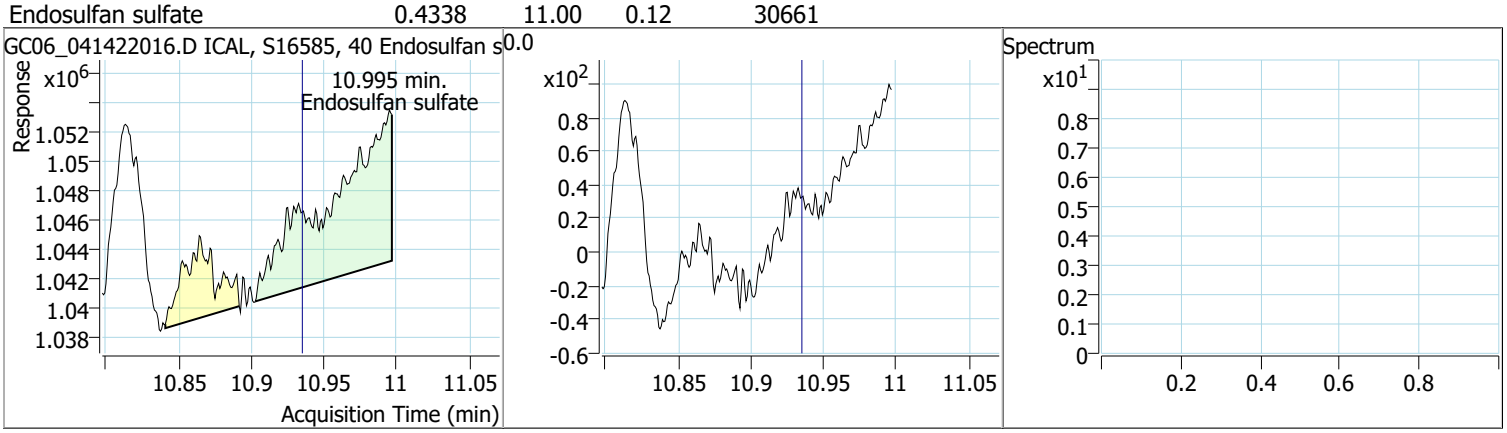
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	0.6110	10.59	0.03	26977			



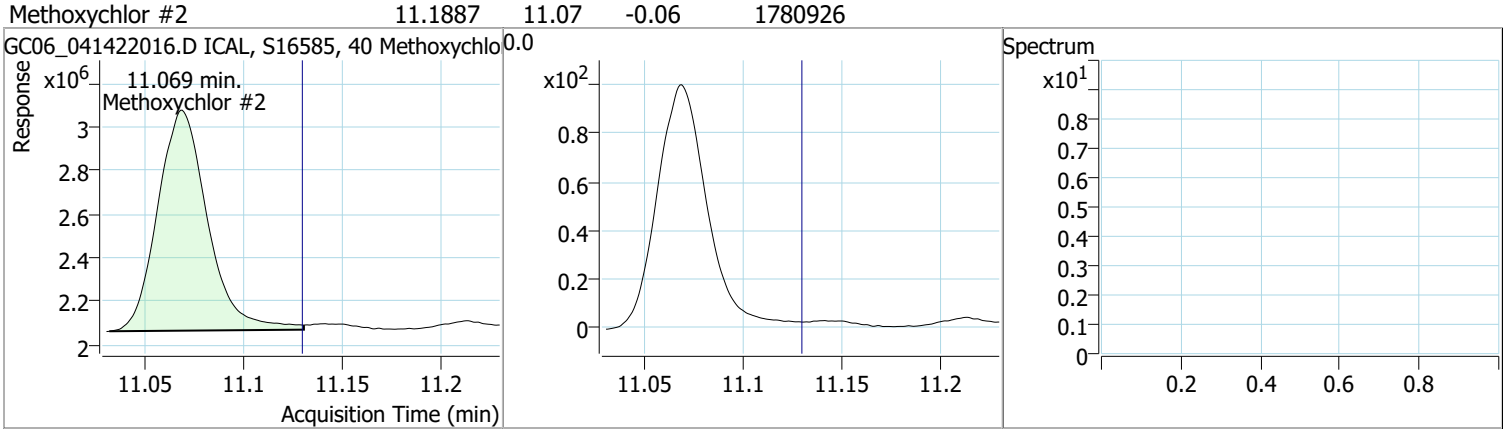
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	3.5192	10.77	-0.02	930538			



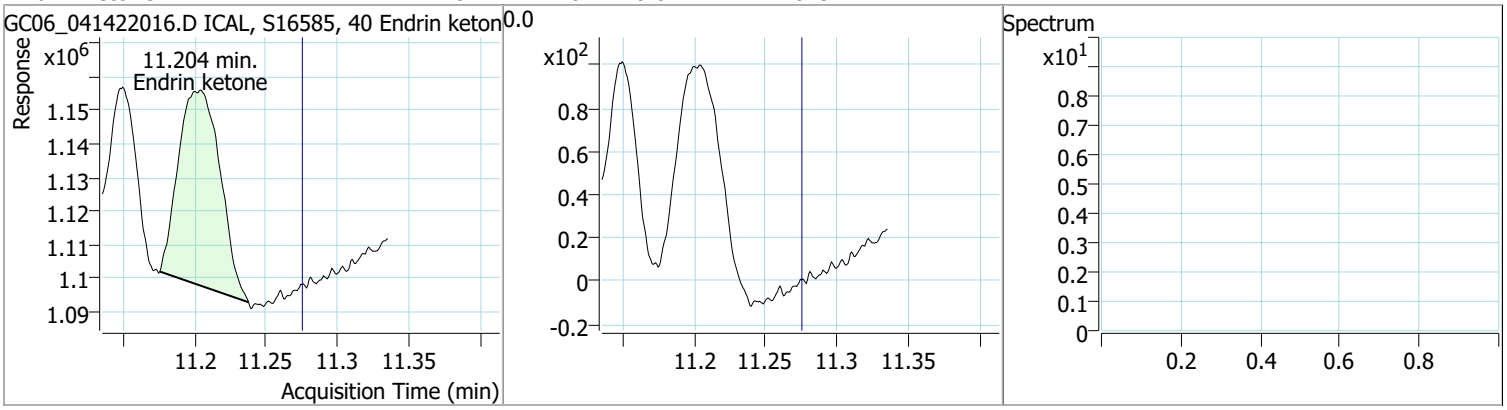
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	0.4338	11.00	0.12	30661			



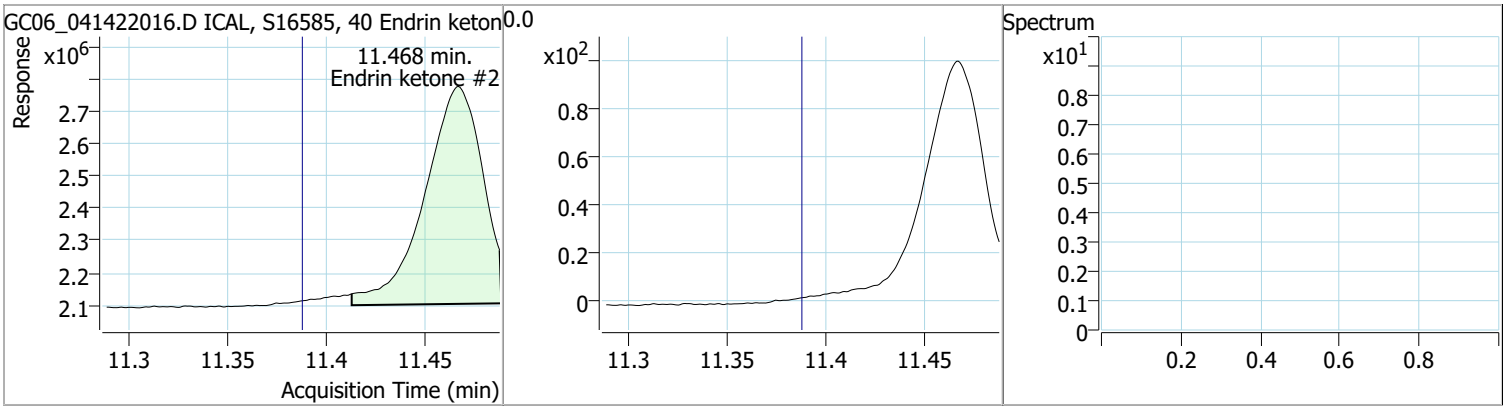
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	11.1887	11.07	-0.06	1780926			



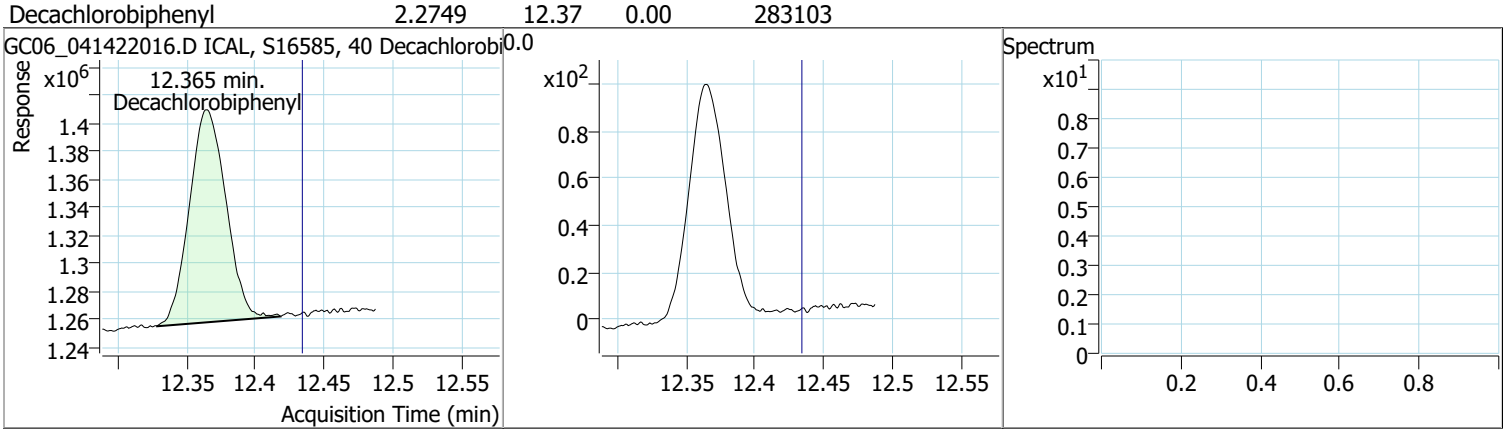
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	1.2778	11.20	-0.01	117079			



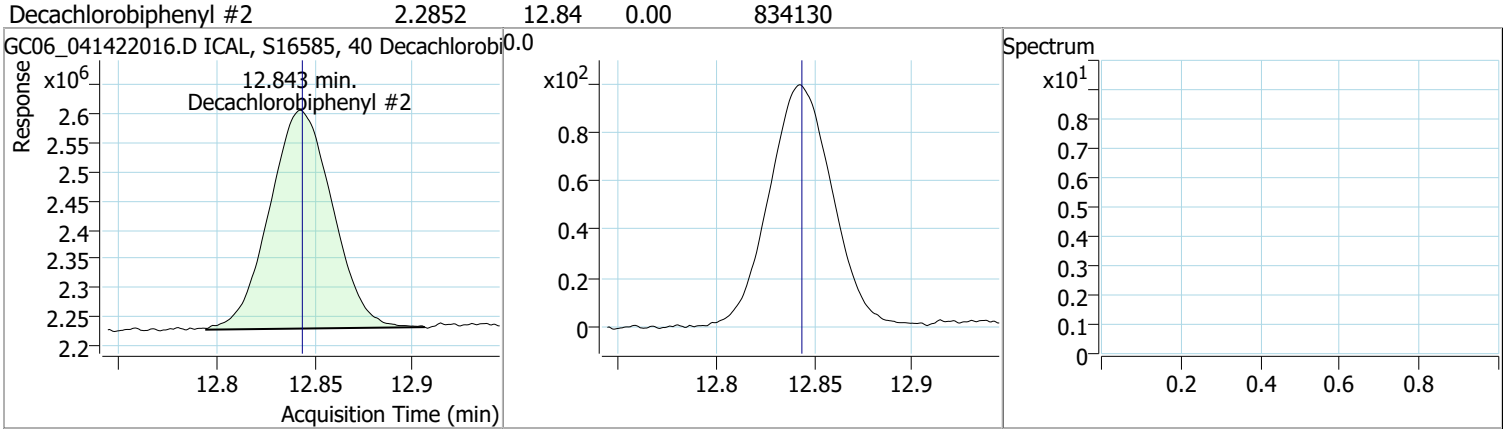
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	3.9694	11.47	0.08	1363092			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	2.2749	12.37	0.00	283103			

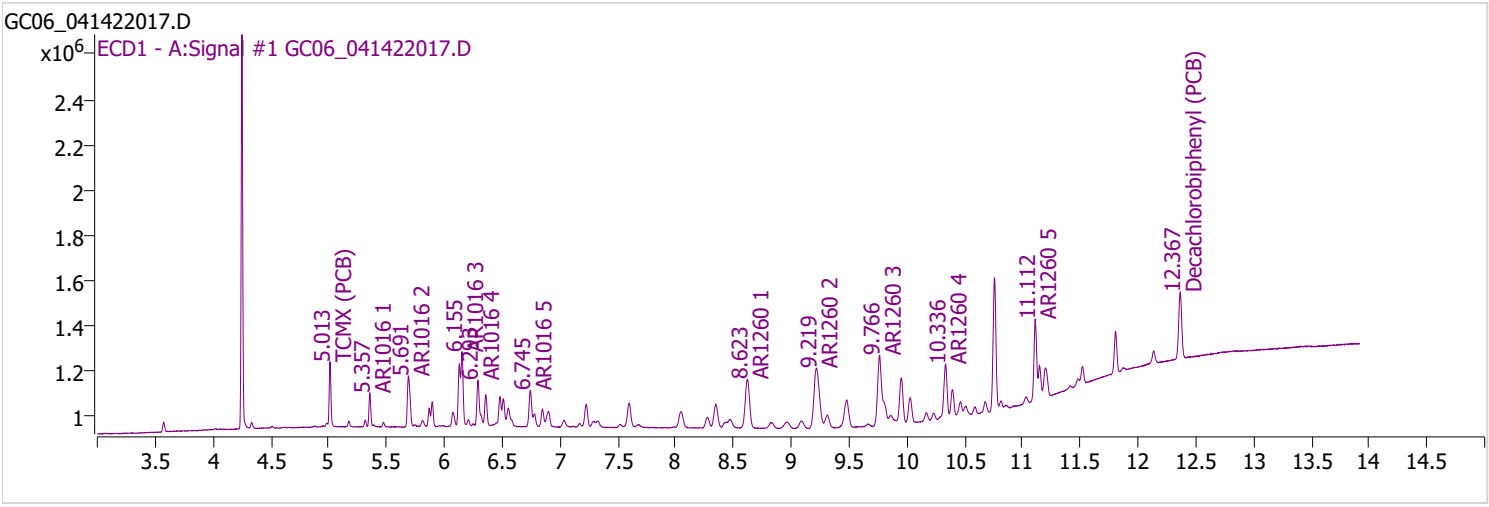


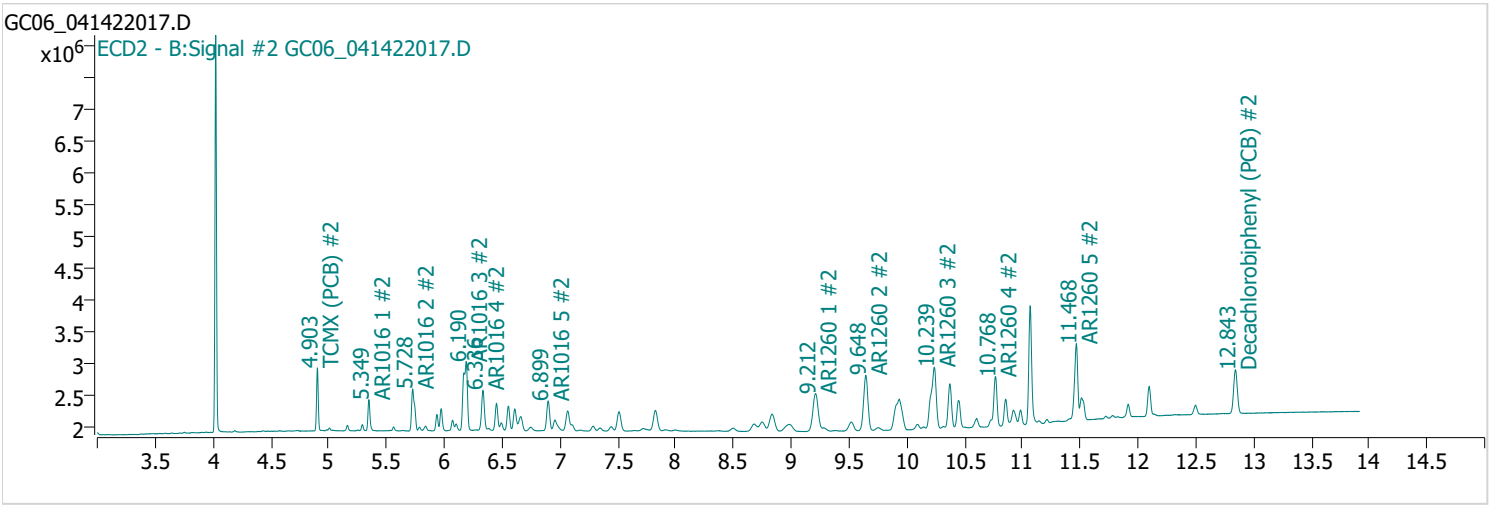
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	2.2852	12.84	0.00	834130			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422017.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 7:16:29 PM
Sample Name	ICAL, S16585, 20	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 113	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



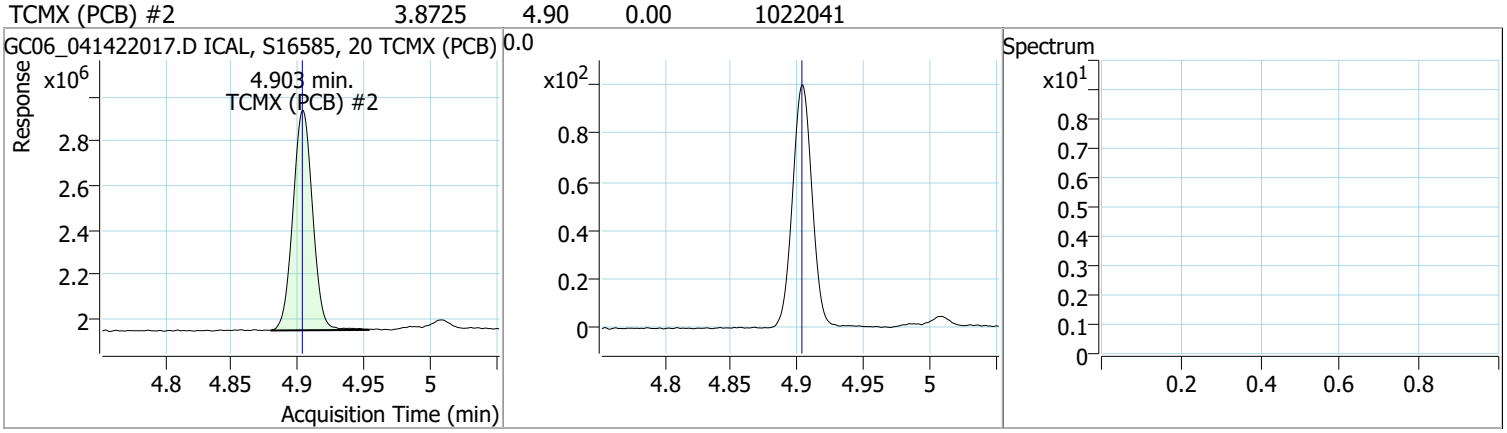


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.251	4.024	1622170	5762030	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.013	4.903	308043	1022041	3.948	3.873	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	19.74% *	19.36% *	
S Decachlorobiphenyl (PCB)	12.367	12.843	558001	1575553	4.524	4.531	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	22.62% *	22.66% *	
Target Compounds							
T AR1016 1	5.357	5.349	169121	620281	106.582	114.953	ng/ml
T AR1016 2	5.691	5.728	372547	1226965	107.829	109.570	ng/ml
T AR1016 3	6.155	6.190	432600	1559397 m	106.390	105.594	ng/ml
T AR1016 4	6.293	6.336	327124	1069117	107.505	106.708	ng/ml
T AR1016 5	6.745	6.899	257542	834356	109.416	106.516	ng/ml
T AR1260 1	8.623	9.212	571288	1942370	111.907	111.379	ng/ml
T AR1260 2	9.219	9.648	876378	2239752	111.457	111.151	ng/ml
T AR1260 3	9.766	10.239	880788	2981275	107.754	108.897	ng/ml
T AR1260 4	10.336	10.768	442513	1604425	108.854	108.304	ng/ml

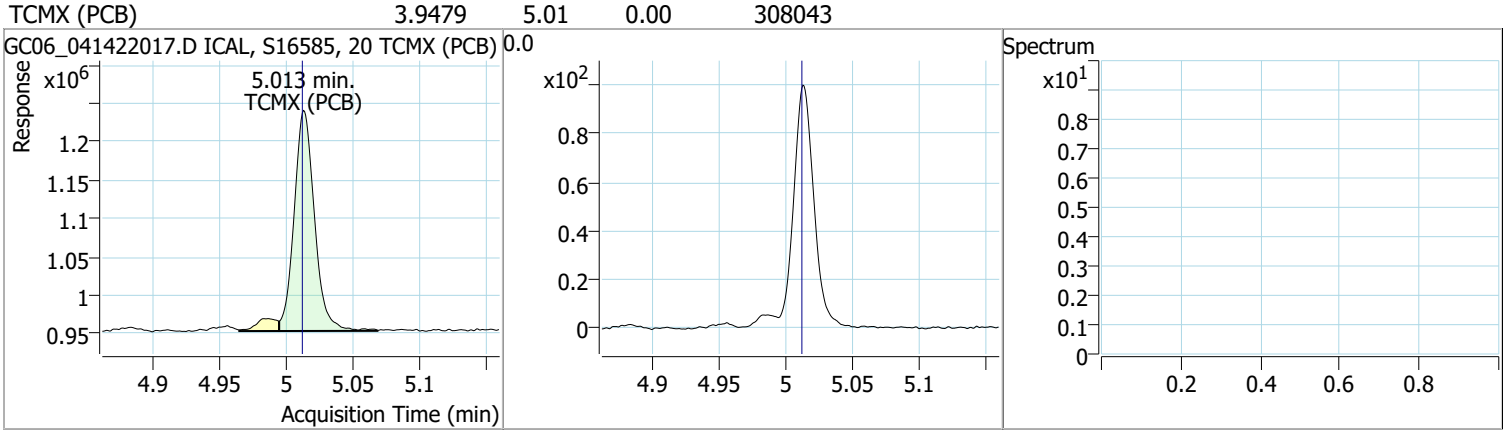
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.112	11.468	587244	2400549	109.144	109.910	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

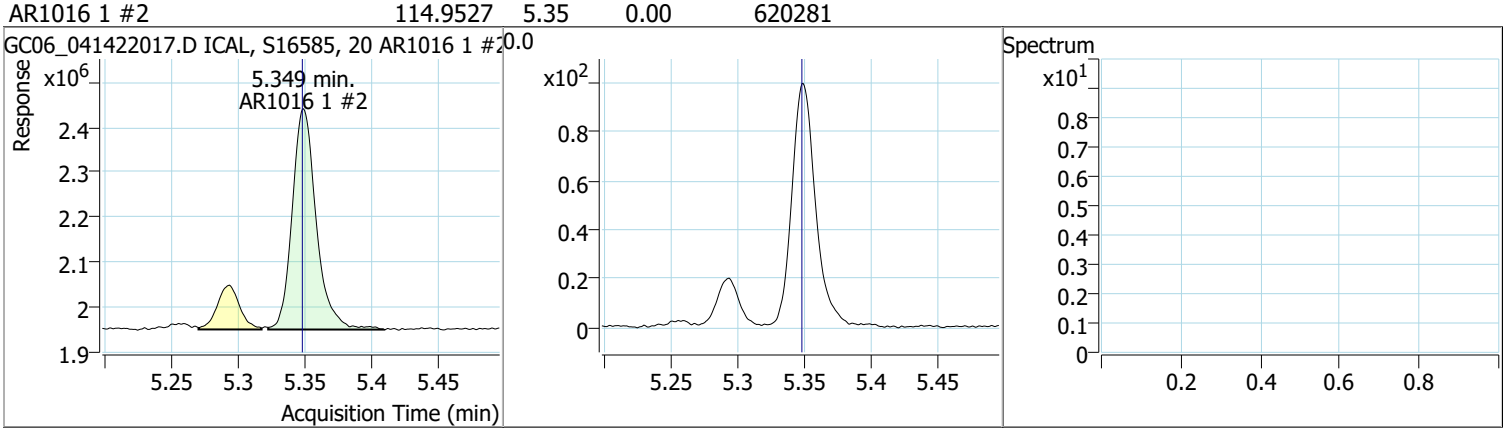
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	3.8725	4.90	0.00	1022041			



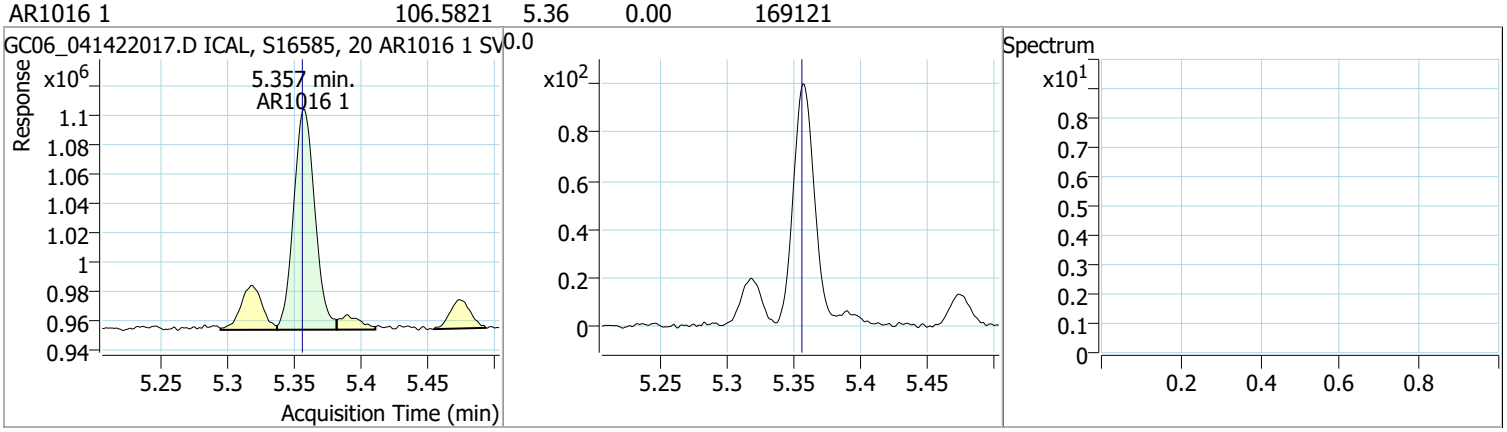
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	3.9479	5.01	0.00	308043			



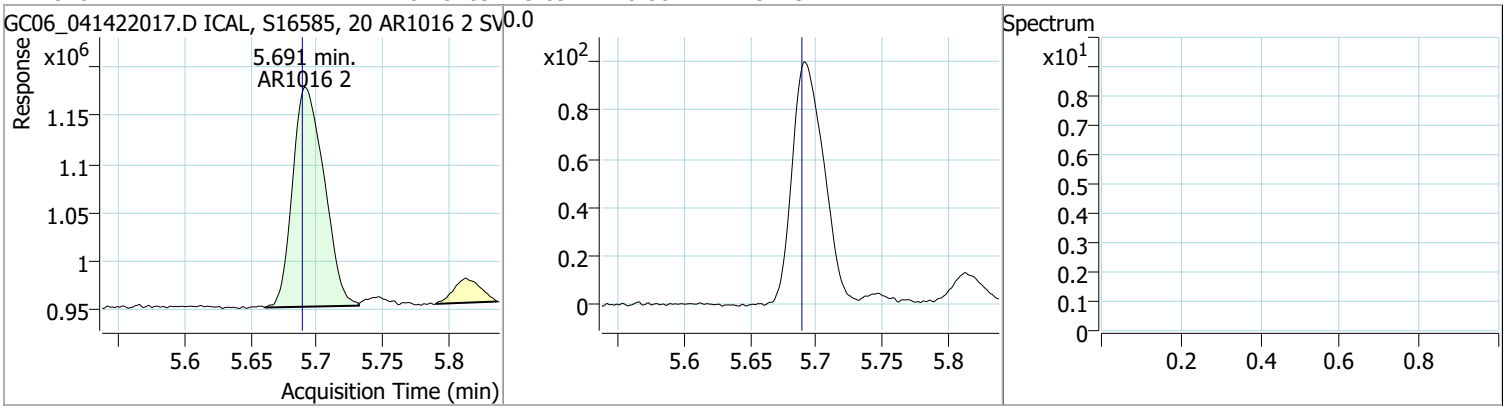
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	114.9527	5.35	0.00	620281			



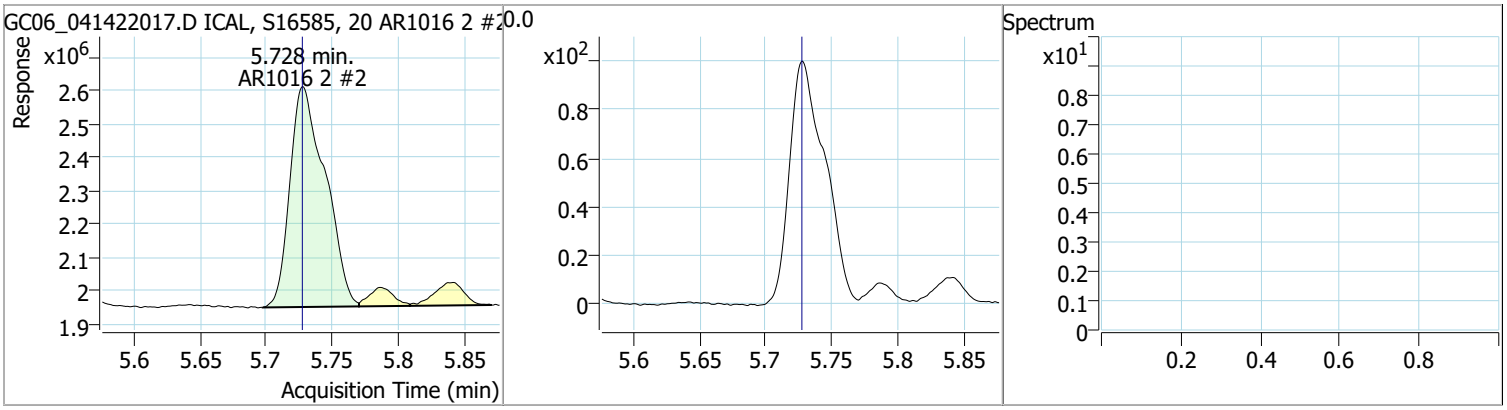
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	106.5821	5.36	0.00	169121			



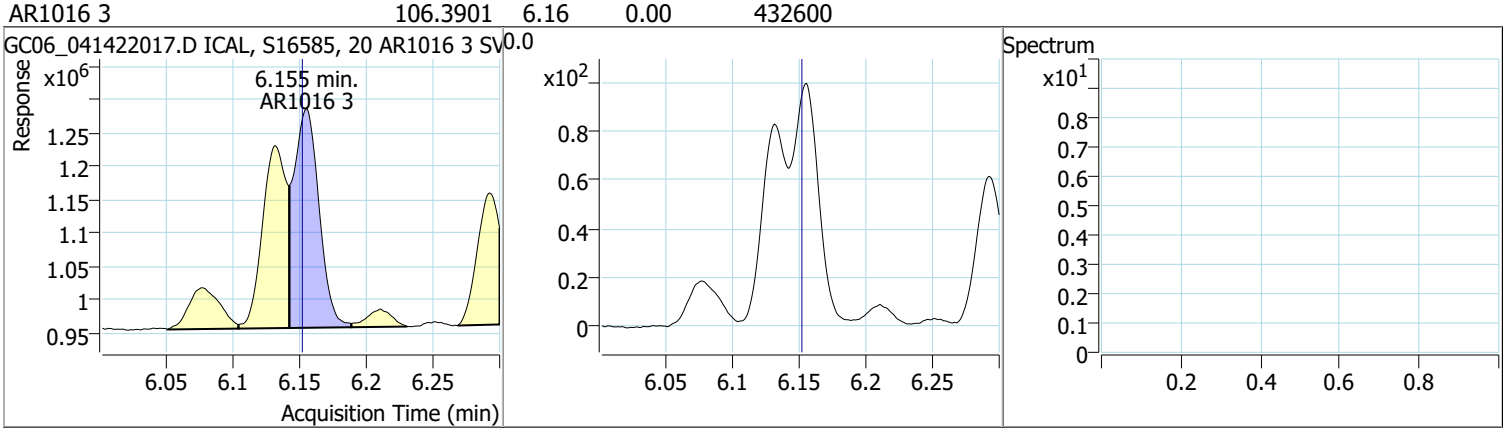
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	107.8289	5.69	0.00	372547			



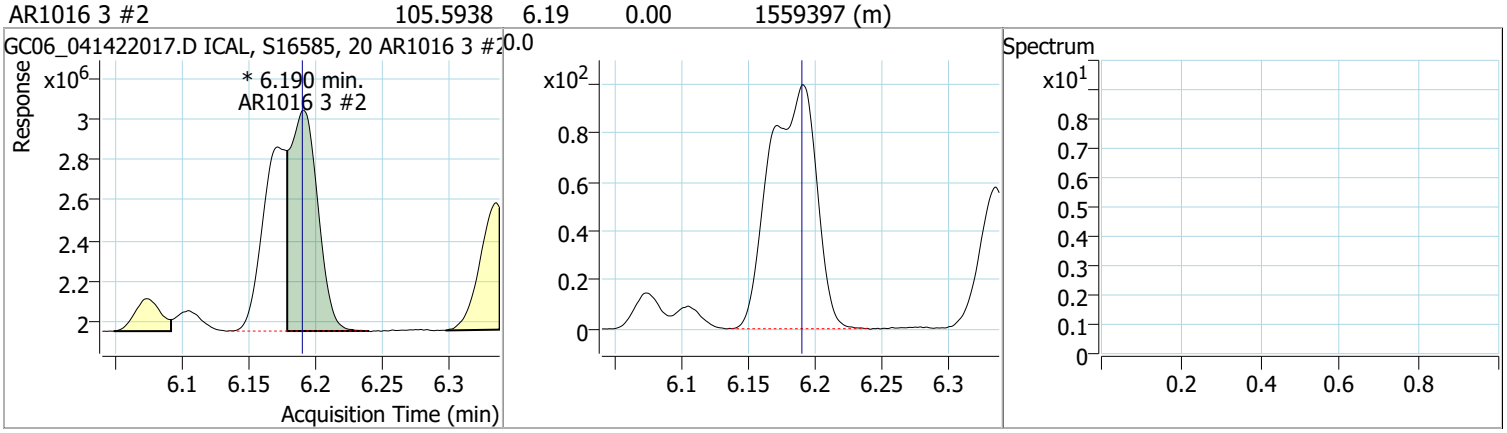
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	109.5703	5.73	0.00	1226965			



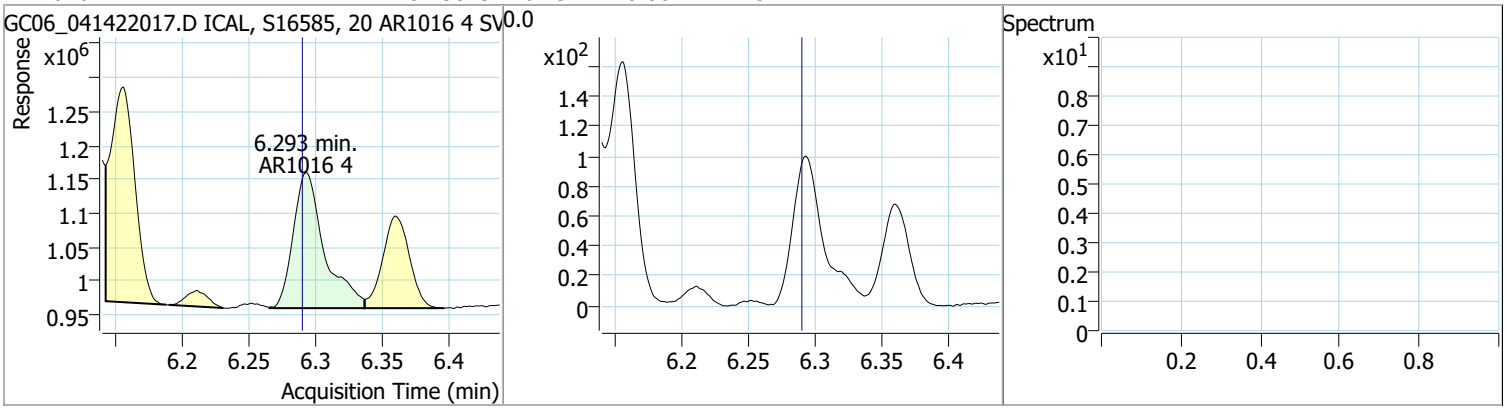
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	106.3901	6.16	0.00	432600			



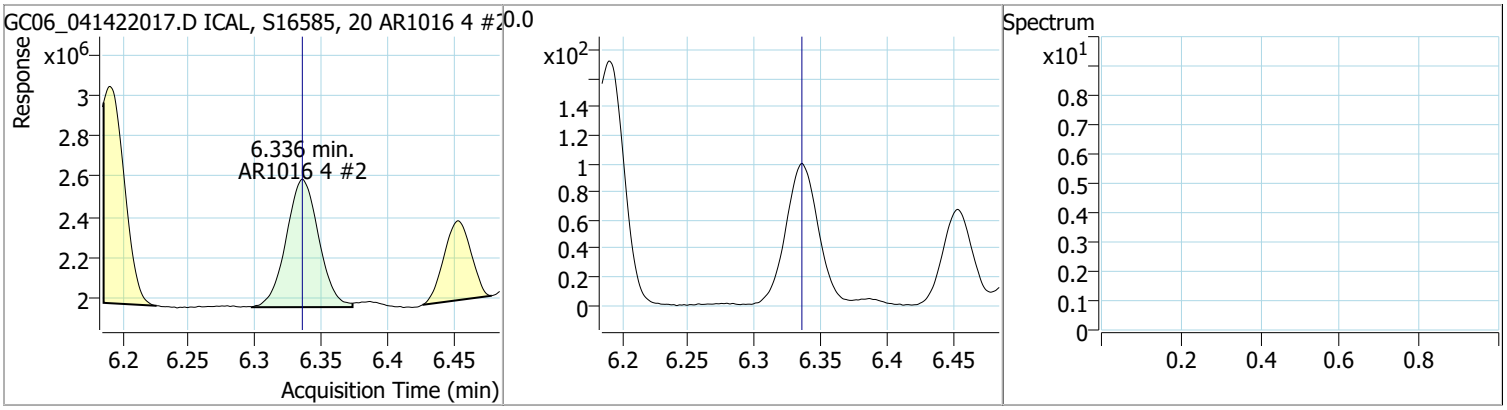
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	105.5938	6.19	0.00	1559397 (m)			



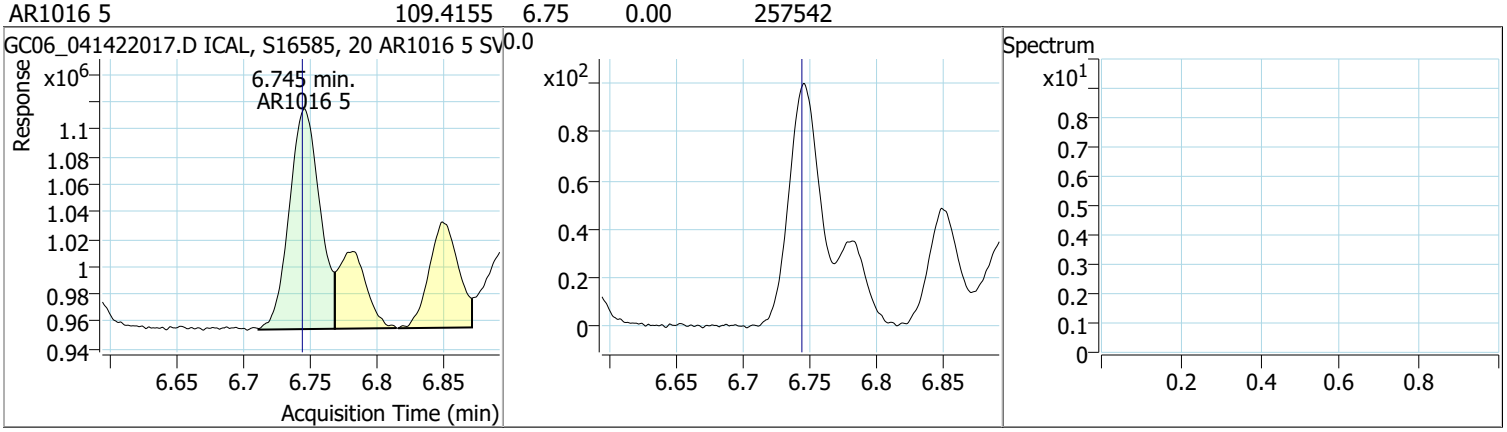
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	107.5049	6.29	0.00	327124			



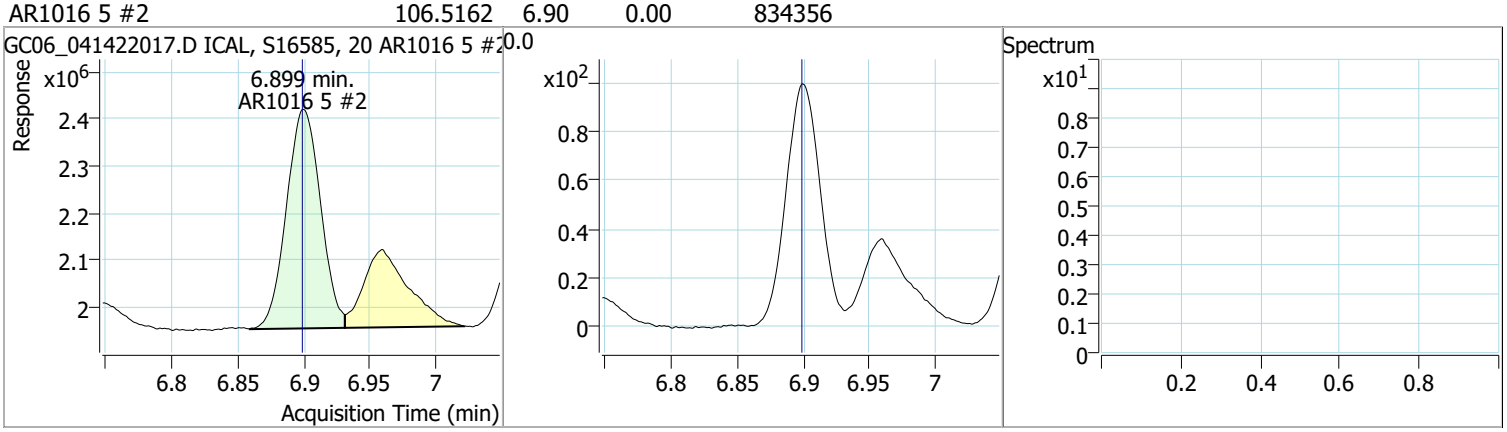
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	106.7085	6.34	0.00	1069117			



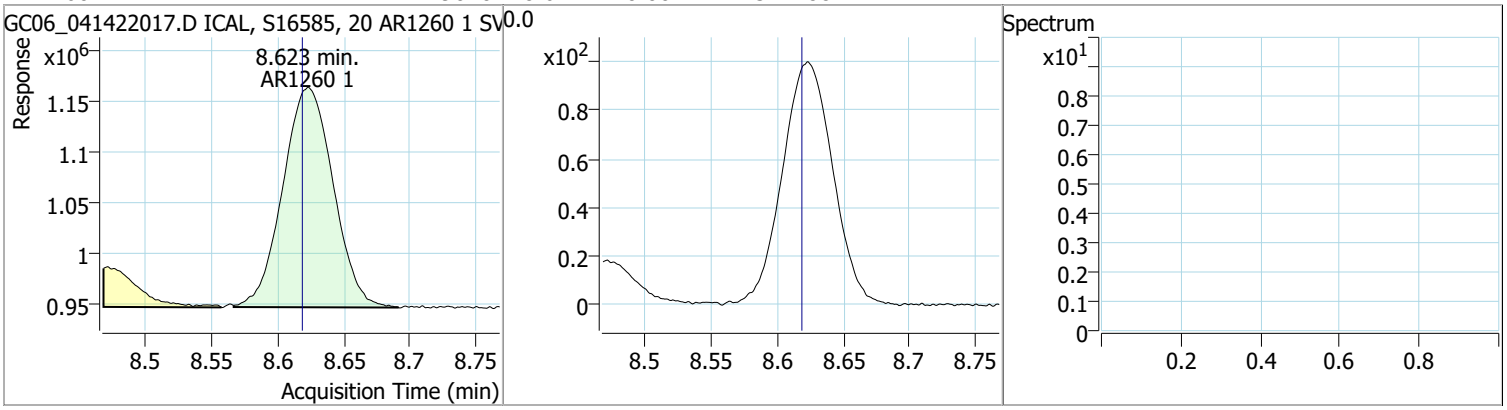
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	109.4155	6.75	0.00	257542			



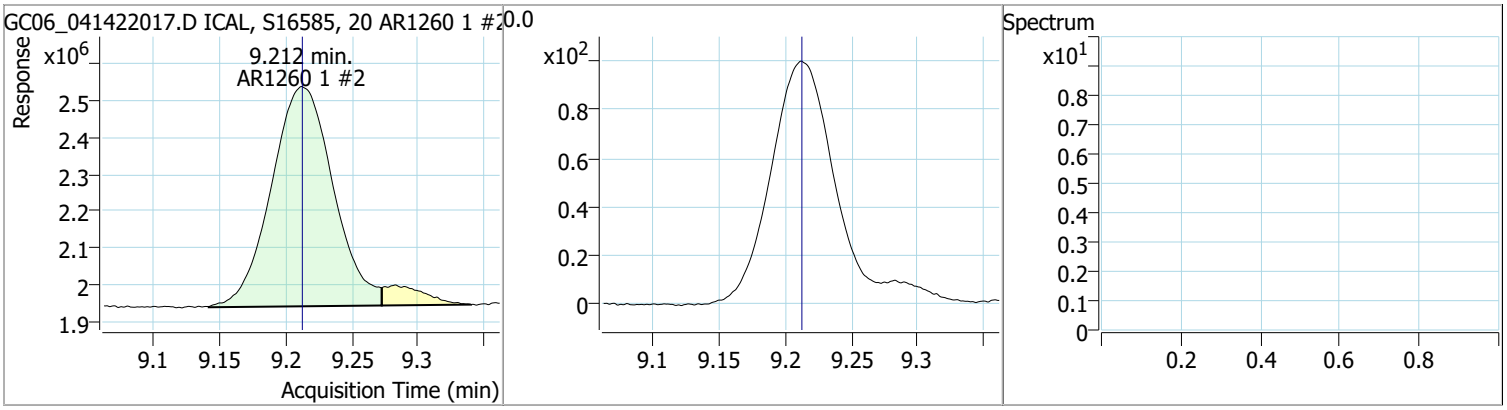
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	106.5162	6.90	0.00	834356			



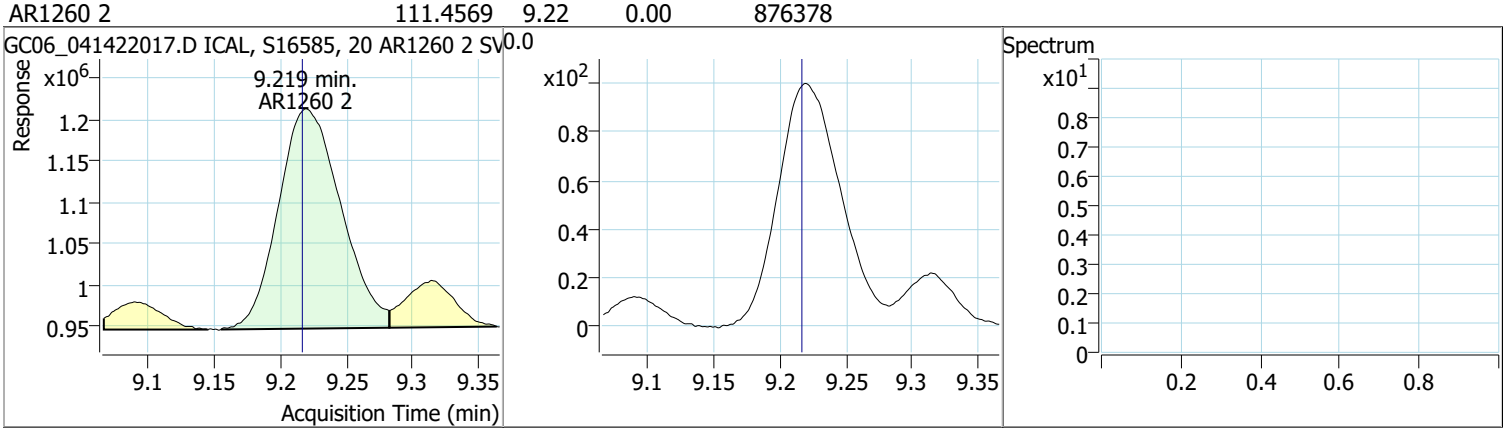
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
AR1260 1	111.9070	8.62	0.00	571288		



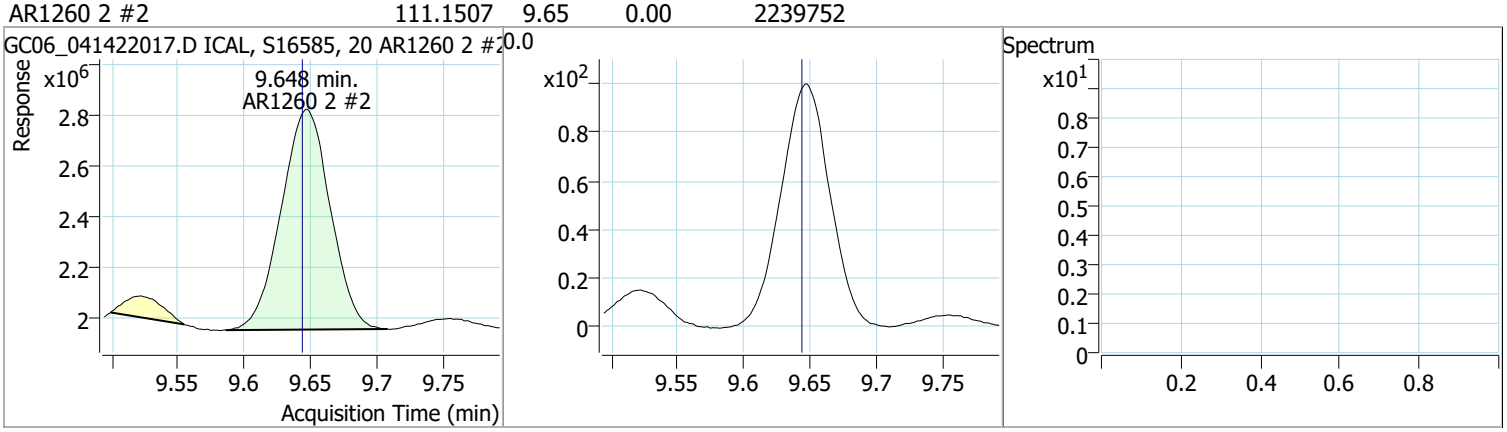
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
AR1260 1 #2	111.3788	9.21	0.00	1942370		



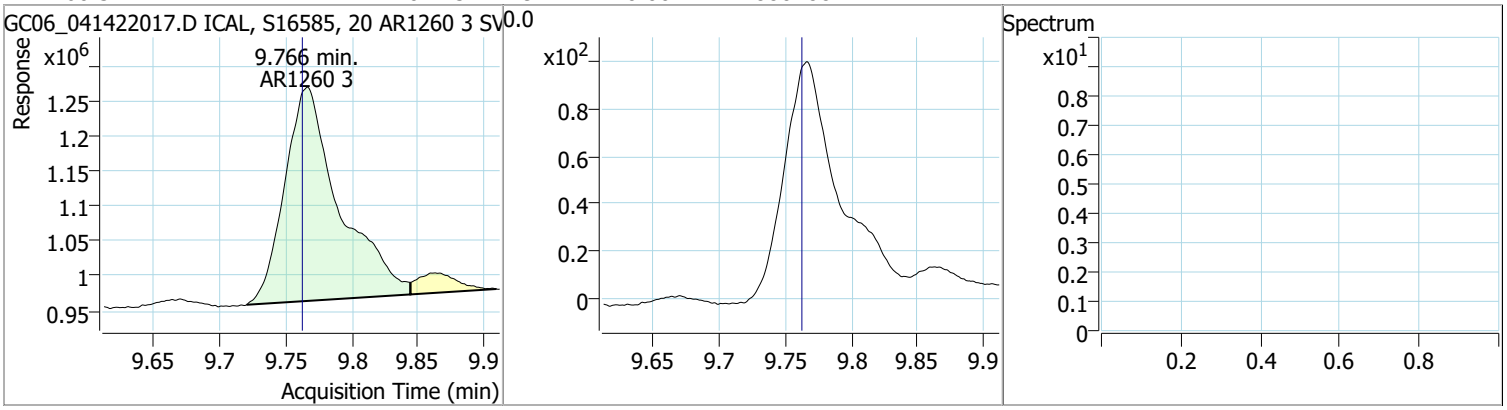
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
AR1260 2	111.4569	9.22	0.00	876378		



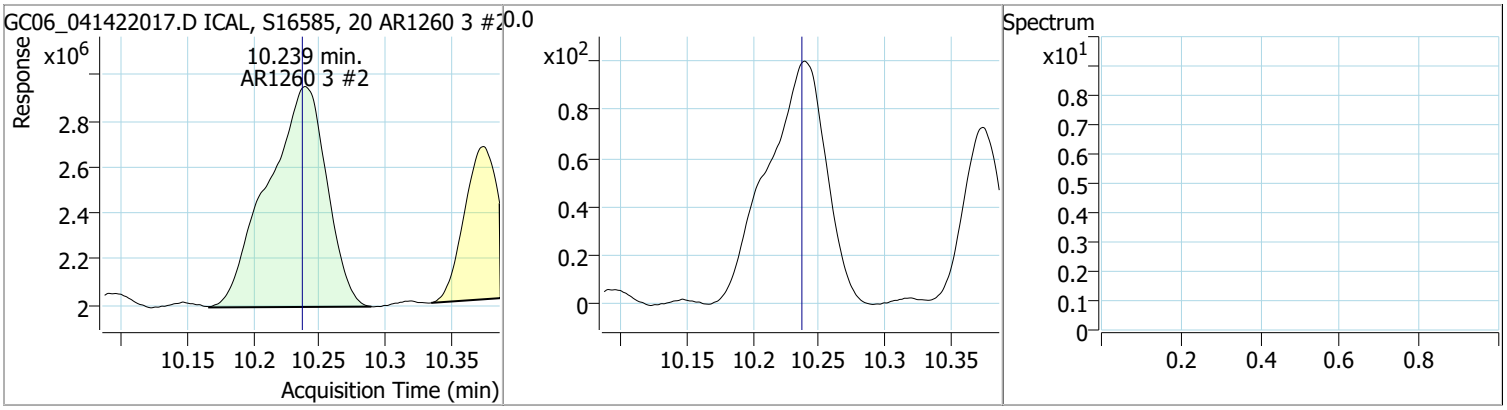
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
AR1260 2 #2	111.1507	9.65	0.00	2239752		



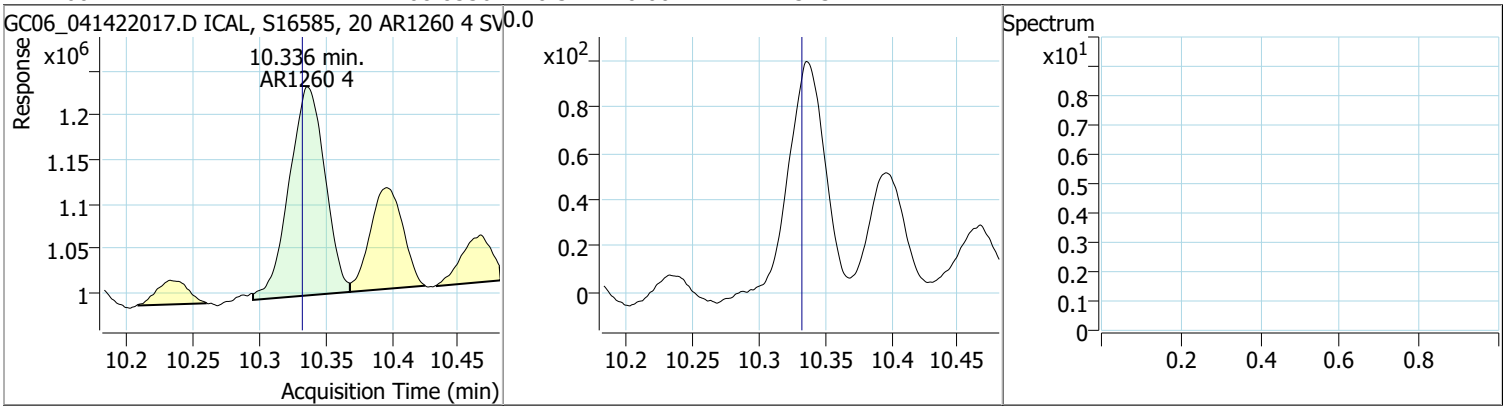
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	107.7542	9.77	0.00	880788			



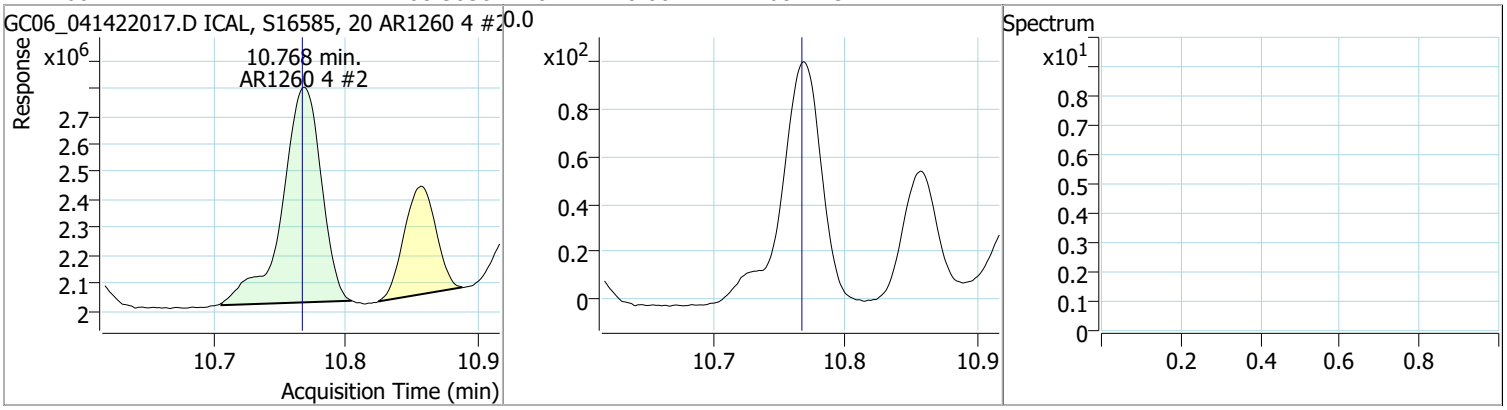
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	108.8974	10.24	0.00	2981275			



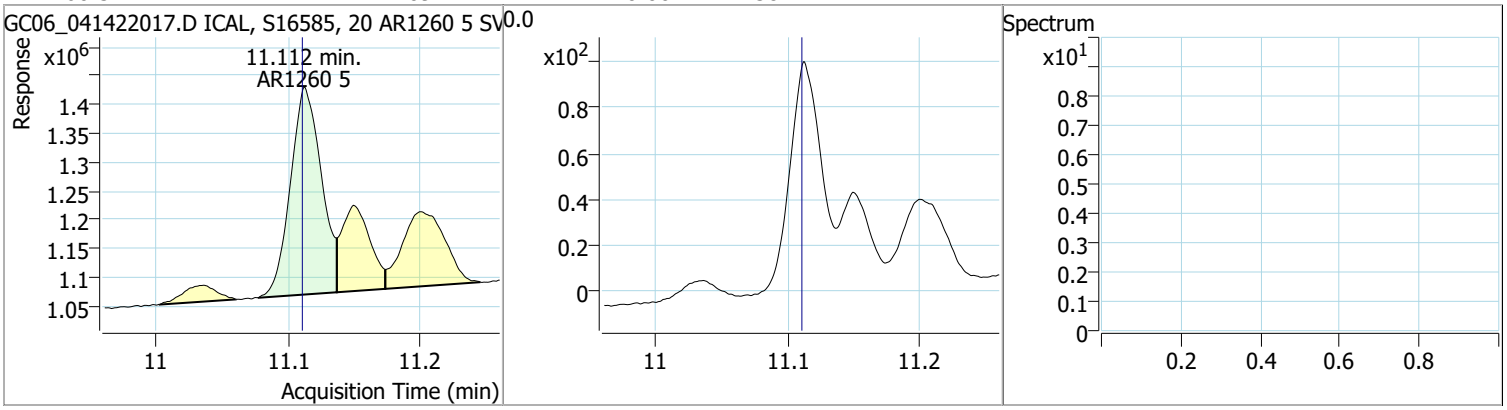
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	108.8536	10.34	0.00	442513			



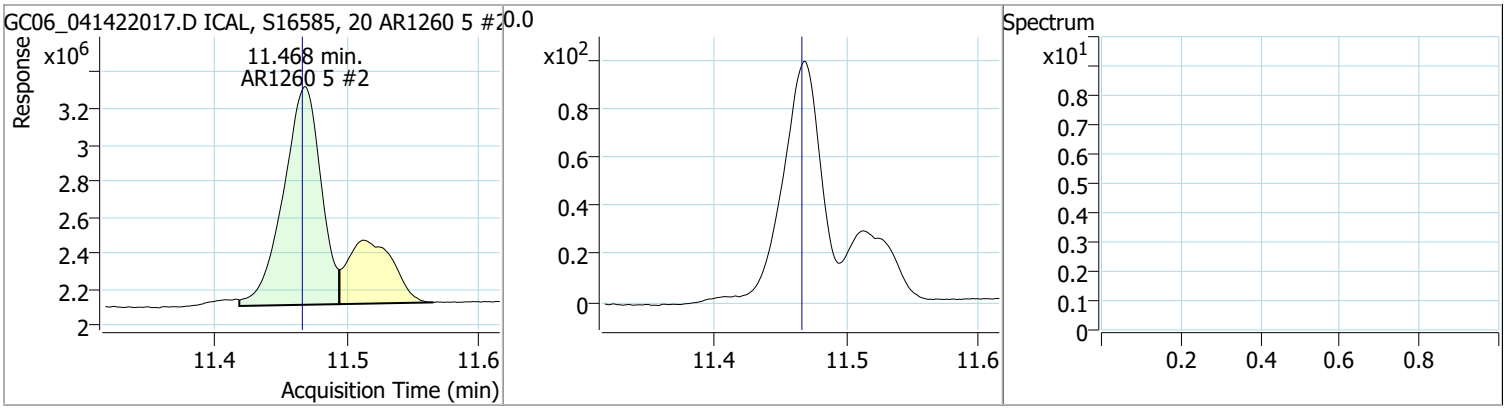
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	108.3038	10.77	0.00	1604425			



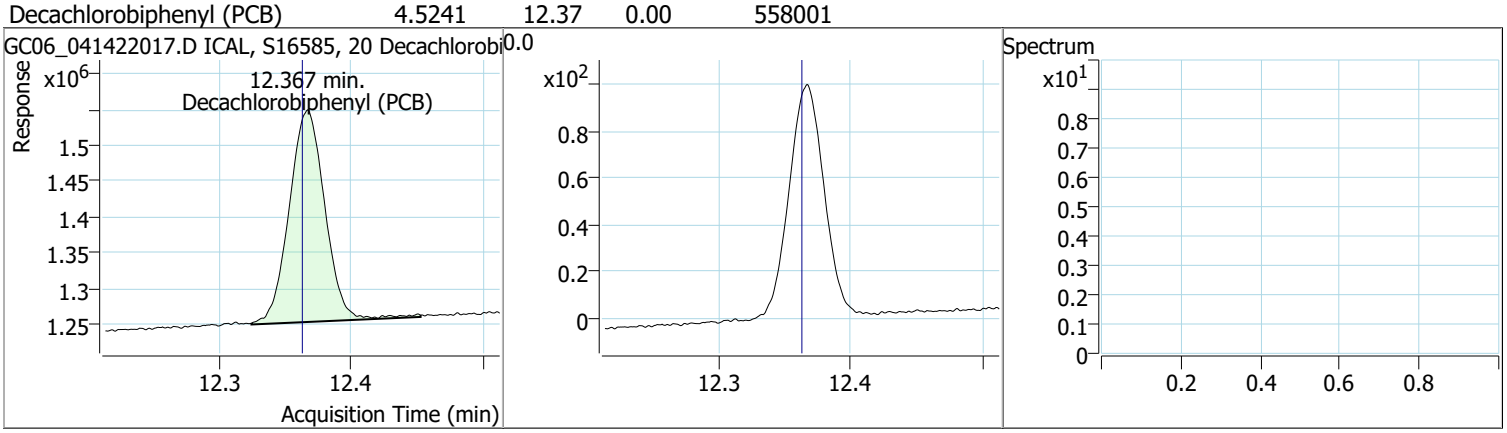
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	109.1442	11.11	0.00	587244			



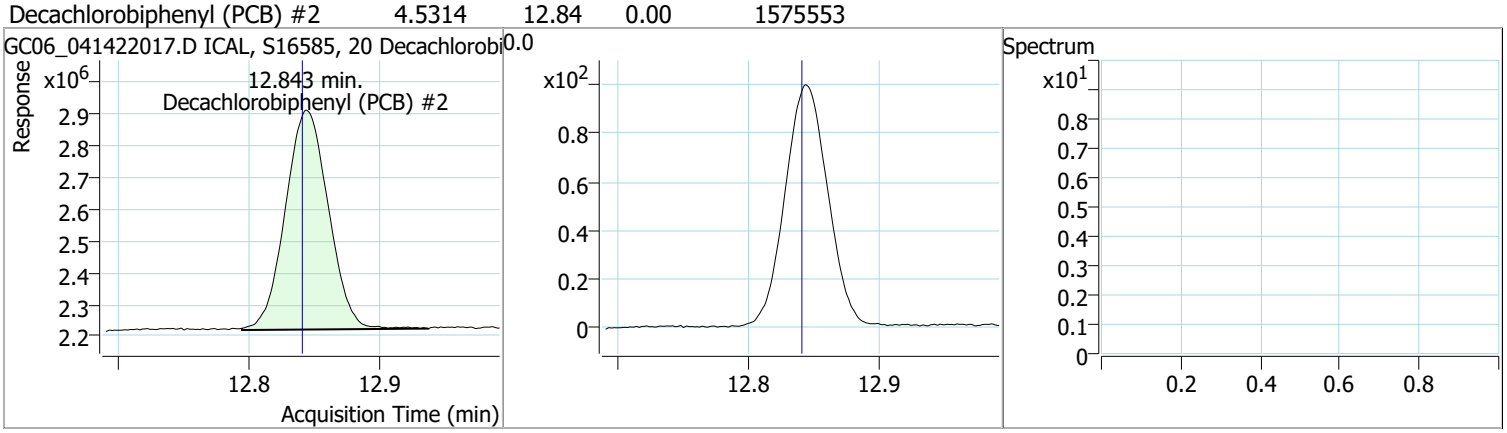
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	109.9105	11.47	0.00	2400549			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	4.5241	12.37	0.00	558001			

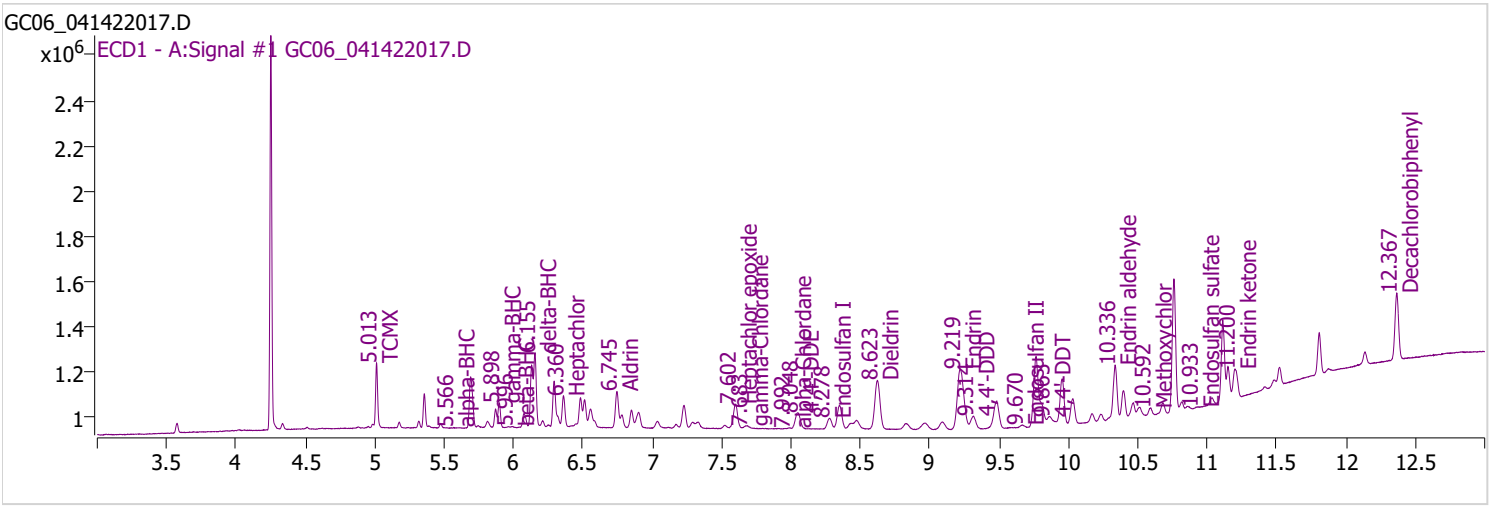


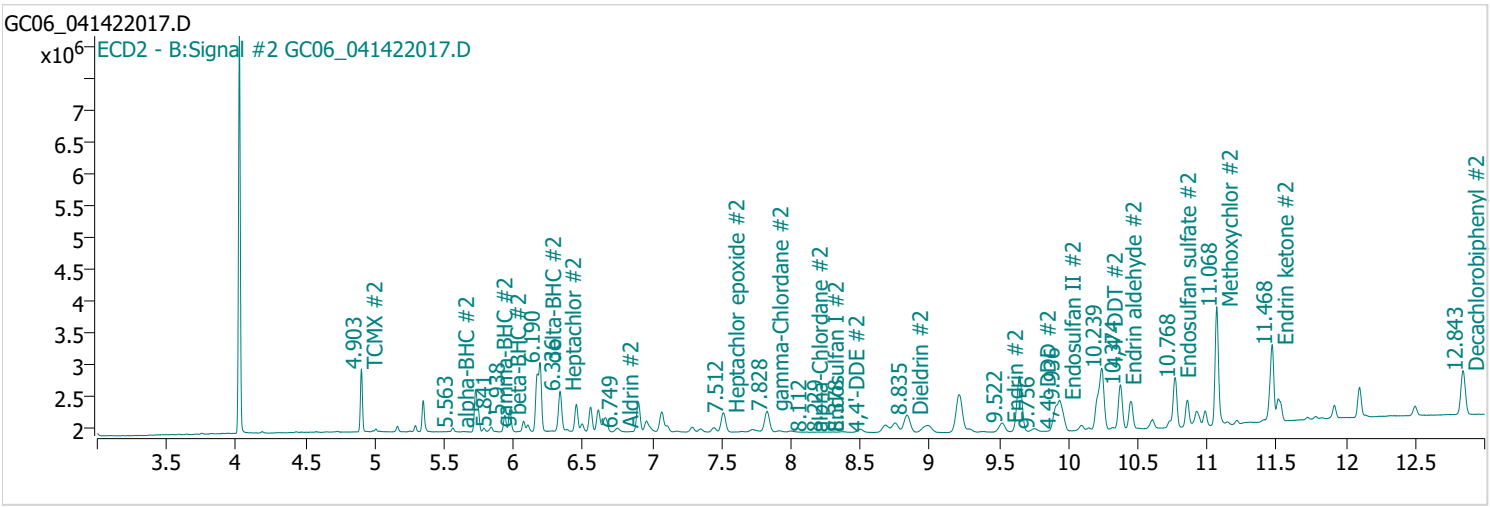
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	4.5314	12.84	0.00	1575553			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422017.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 7:16:29 PM
Sample Name	ICAL, S16585, 20	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 113	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 7:30:45 PM



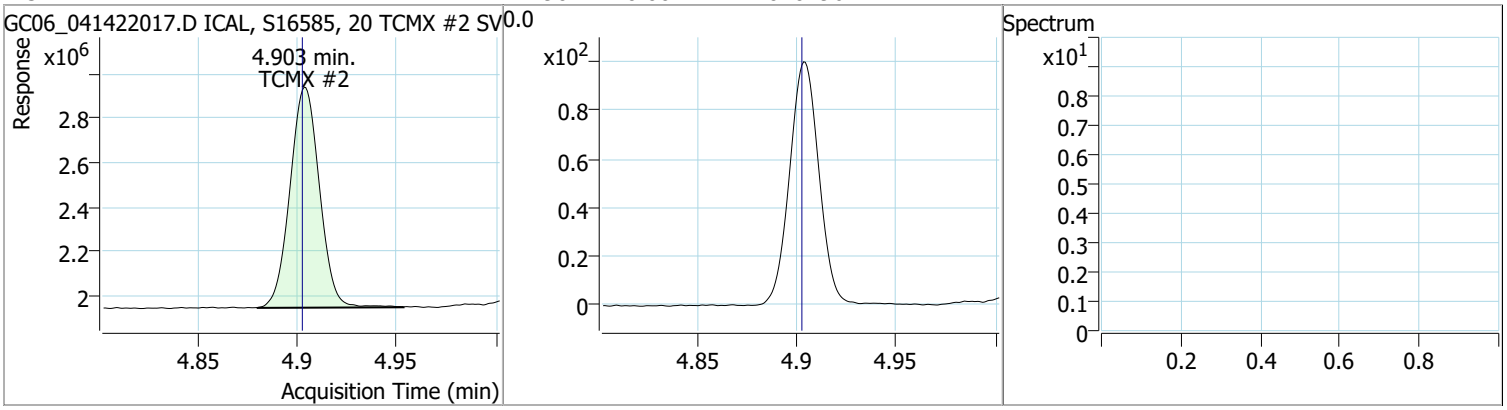


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.251	4.024	1600795	5755473	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.013	4.903	308808	1020196	4.185	4.128	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	20.93% *	20.64% *	
S Decachlorobiphenyl	12.367	12.843	544880	1543655	4.986	4.785	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	24.93% *	23.93% *	
Target Compounds							
T alpha-BHC	5.566	5.563 f	755	54780	0.011	0.213 #	ng/ml
T gamma-BHC	5.898	5.841	135164	109421	1.807	0.421 #	ng/ml
T beta-BHC	5.996	5.938	7089	330689	0.199	2.345 #	ng/ml
T delta-BHC	6.155	6.190	423413	2663412	4.608	6.426 #	ng/ml
T Heptachlor	6.360	6.336	165756	1068644	2.134	3.369 #	ng/ml
T Aldrin	6.745	6.749	257254	123038	3.187	0.447 #	ng/ml
T Heptachlor epoxide	7.602	7.512	219476	648063	2.790	2.403	ng/ml
T gamma-Chlordane	7.683	7.828	22732	773454	0.340	2.652 #	ng/ml
T alpha-Chlordane	7.992	8.112	2645	4717	0.040	0.021 #	ng/ml

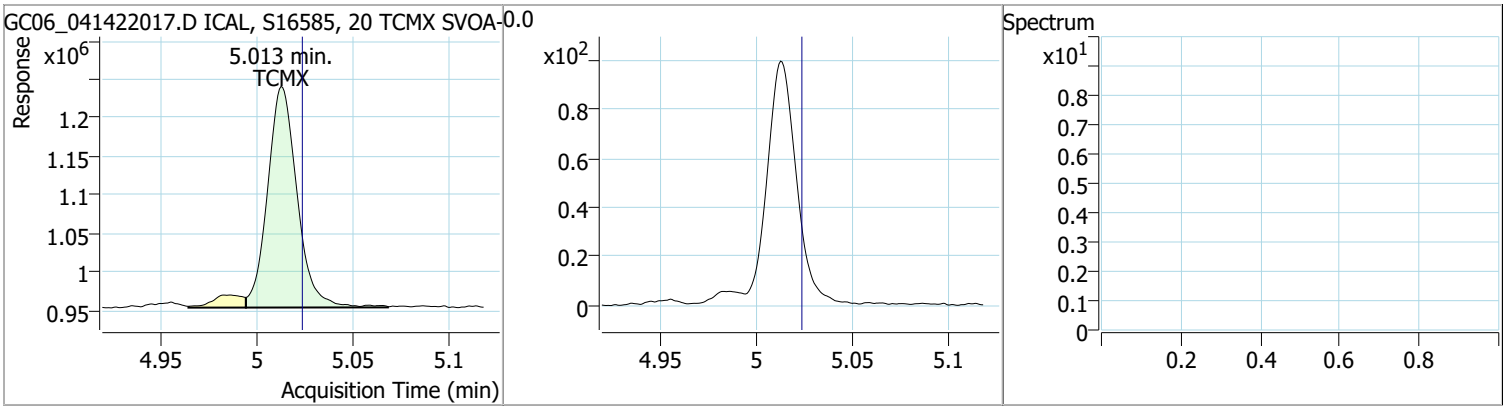
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.278	8.229	99753	2198	1.600	0.011 #	ng/ml
T 4,4'-DDE	8.048	8.378 f	179763	14782	2.722	0.071 #	ng/ml
T Dieldrin	8.623	8.835	571239	710390	7.040	2.915 #	ng/ml
T Endrin	9.219	9.522	790521	410212	9.663	1.893 #	ng/ml
T 4,4'-DDD	9.314	9.756	93460	111688	1.919	0.594 #	ng/ml
T Endosulfan II	9.670	9.936 f	22069	2012533	0.339	7.401 #	ng/ml
T 4,4'-DDT	9.863	10.239	54818	2962599	0.923	10.030 #	ng/ml
T Endrin aldehyde	10.336	10.374	412676	1362745	7.425	6.878	ng/ml
T Endosulfan sulfate	10.933	10.768	2493	1662139	0.044	7.276 #	ng/ml
T Methoxychlor	10.592	11.068 f	47842	3275638	1.367	24.375 #	ng/ml
T Endrin ketone	11.200	11.468 f	219505	2374924	2.920	7.988 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

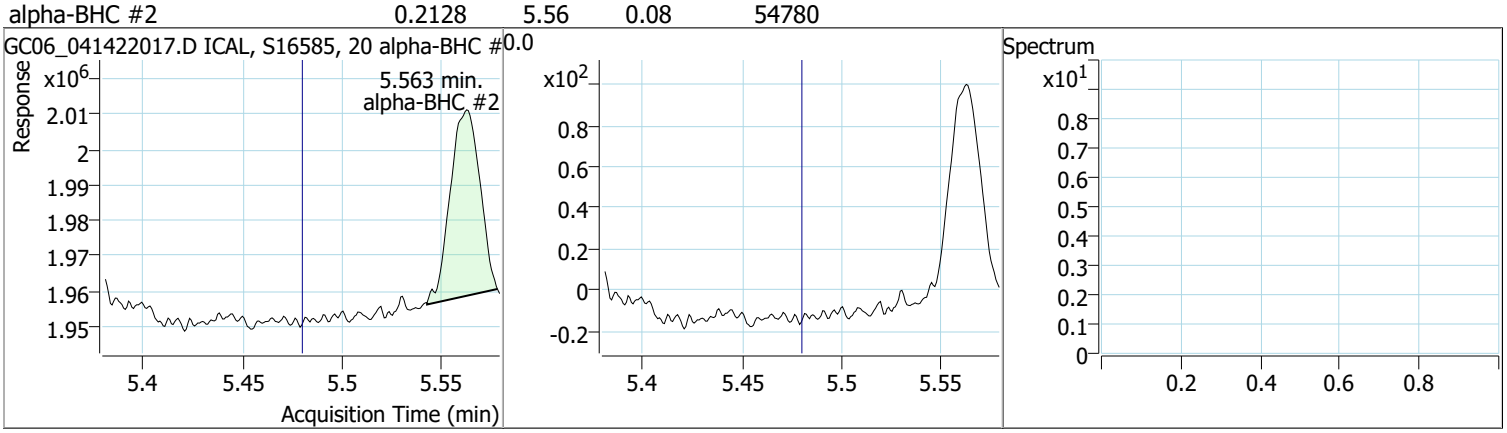
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	4.1277	4.90	0.00	1020196			



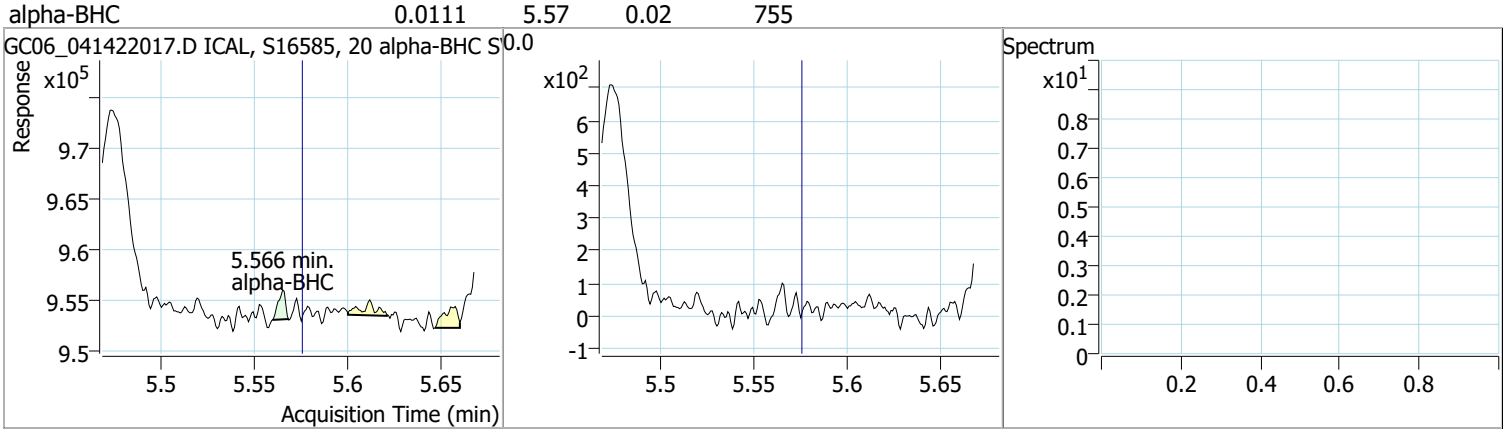
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	4.1854	5.01	0.01	308808			



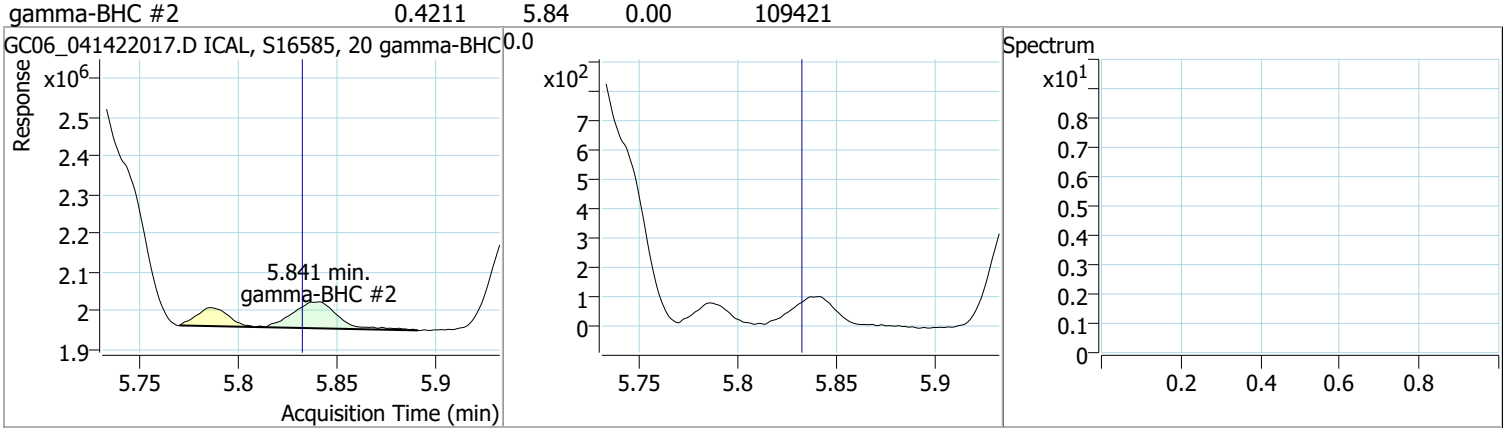
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	0.2128	5.56	0.08	54780			



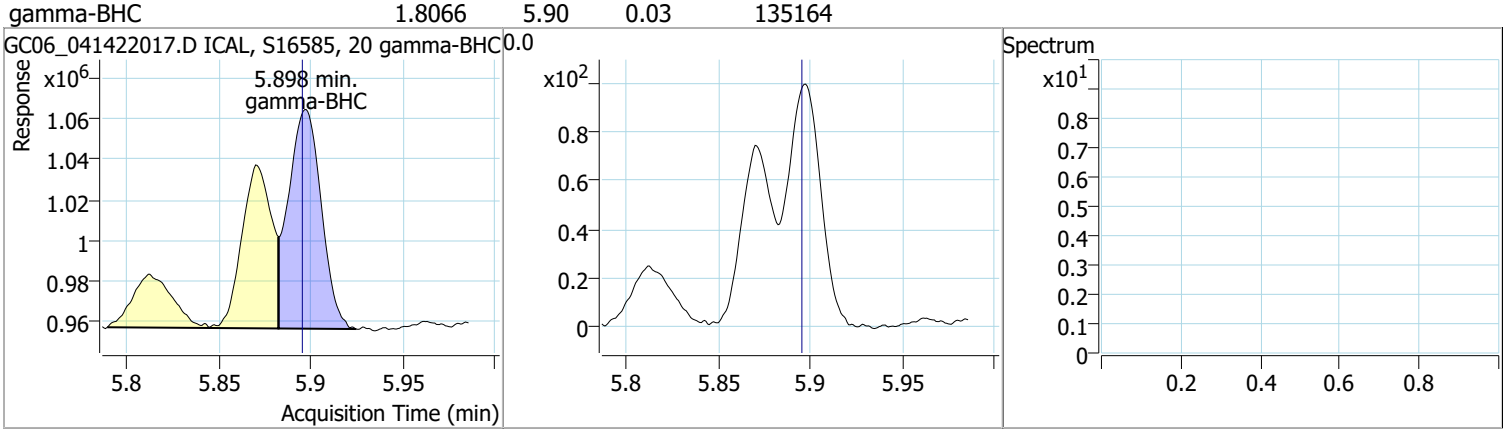
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC	0.0111	5.57	0.02	755			



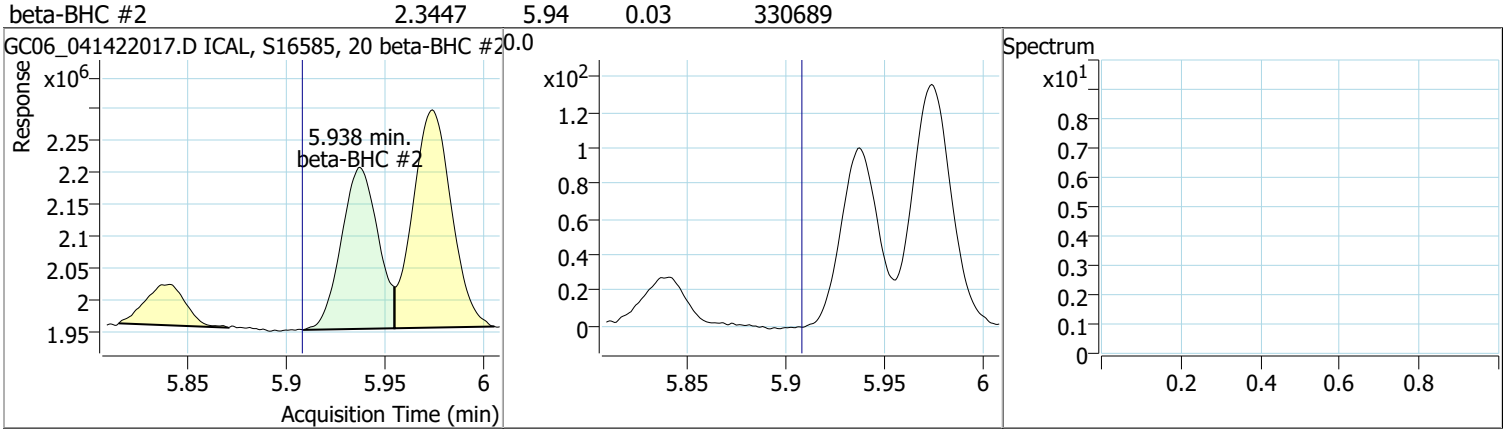
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	0.4211	5.84	0.00	109421			



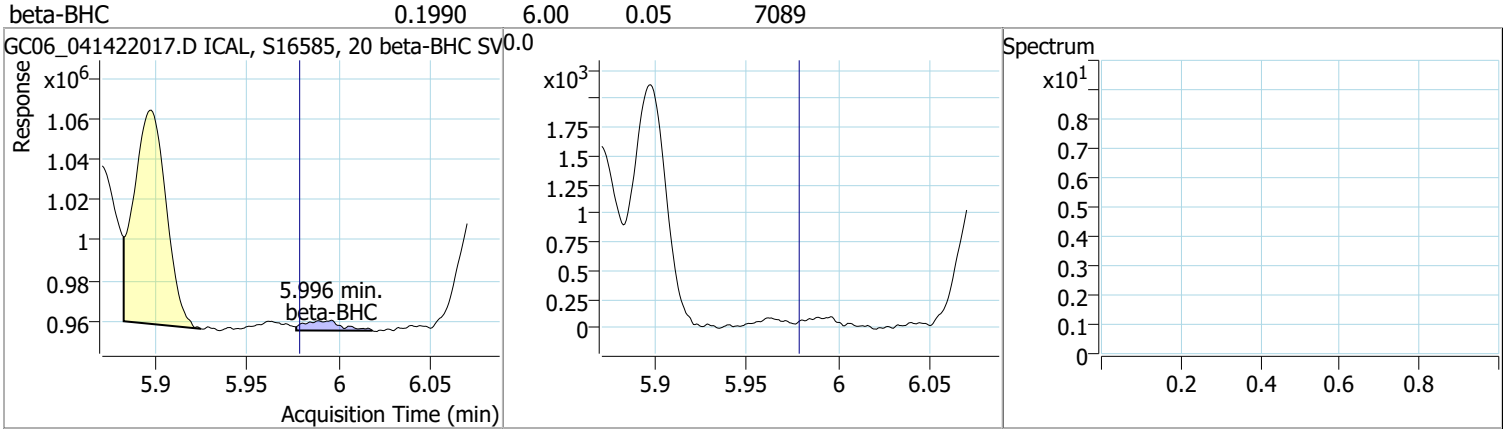
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	1.8066	5.90	0.03	135164			



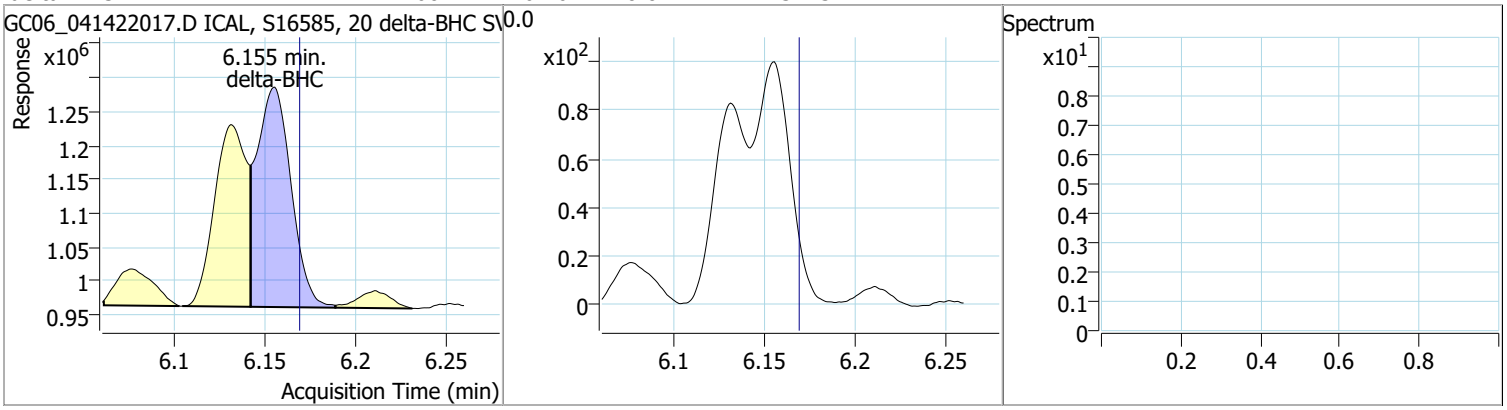
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	2.3447	5.94	0.03	330689			



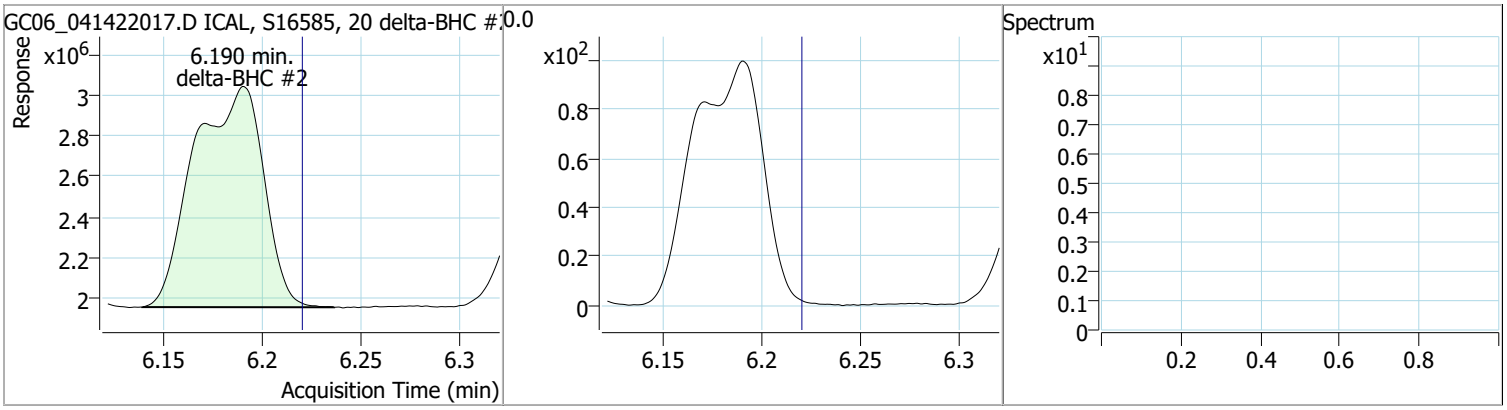
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	0.1990	6.00	0.05	7089			



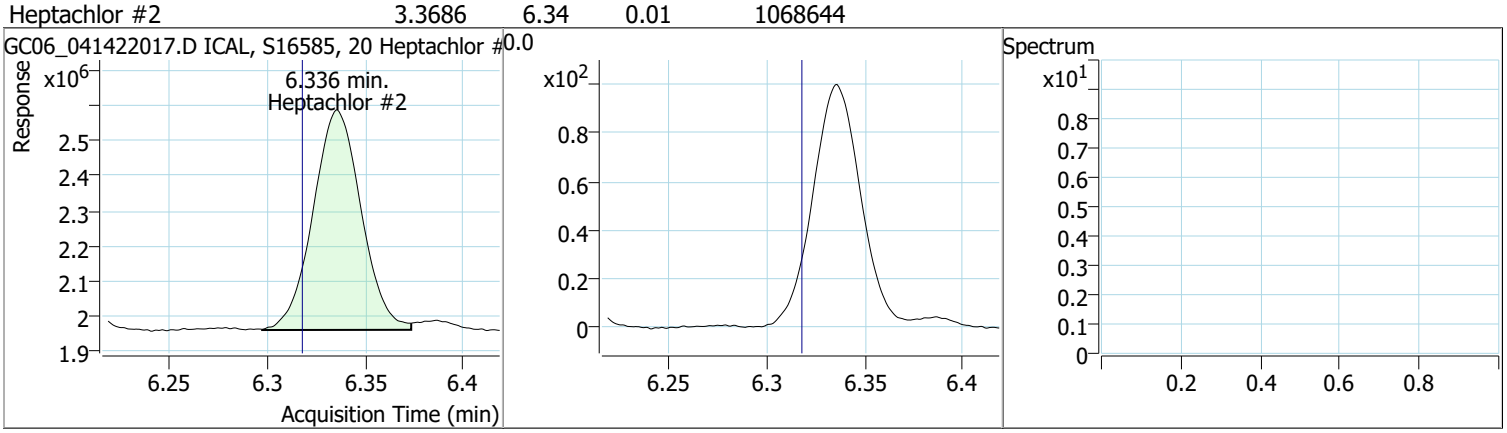
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	4.6077	6.16	0.02	423413			



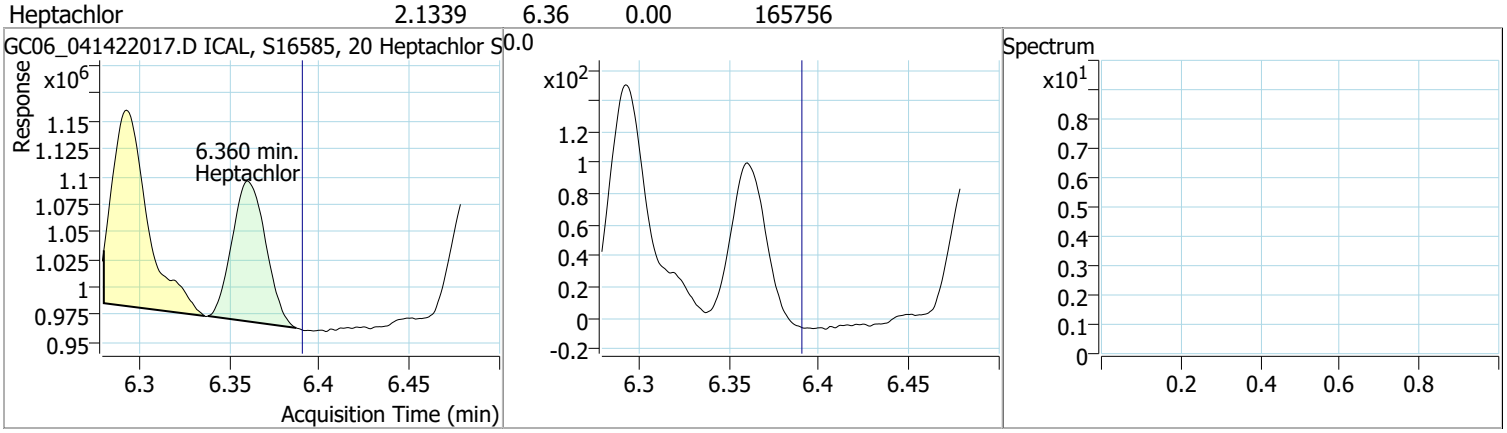
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	6.4261	6.19	-0.03	2663412			



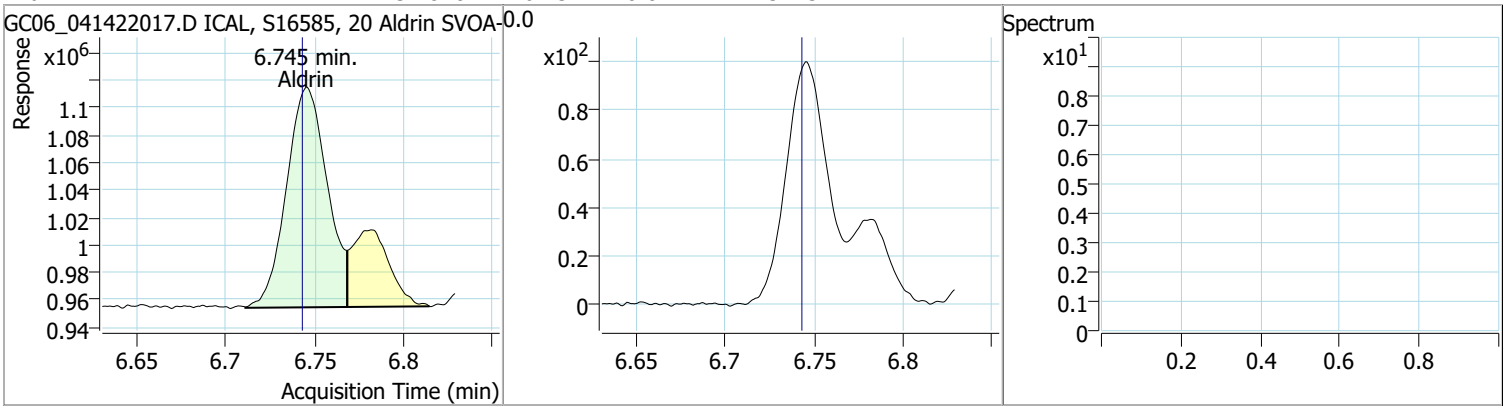
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	3.3686	6.34	0.01	1068644			



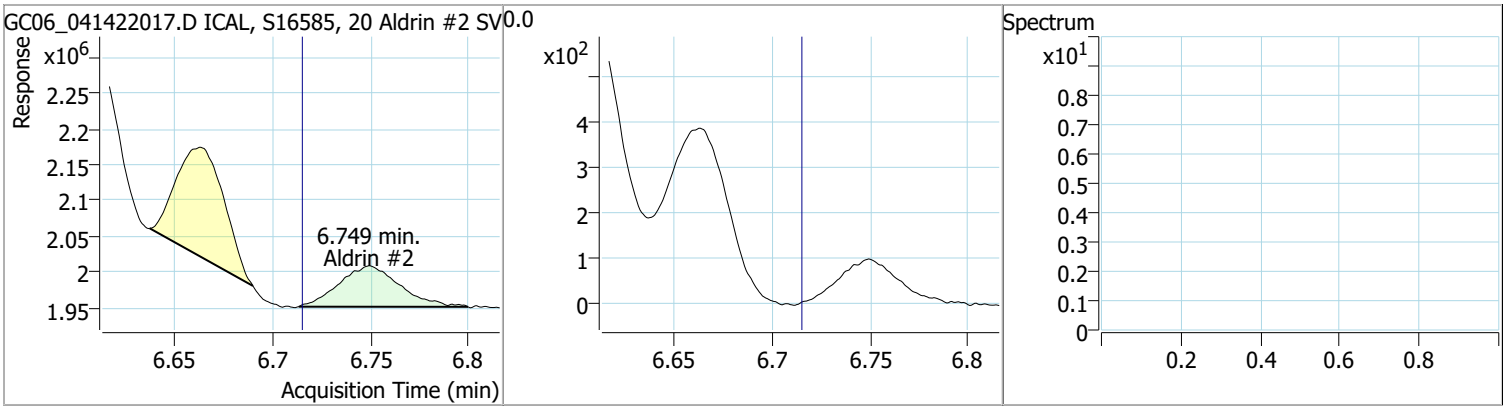
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	2.1339	6.36	0.00	165756			



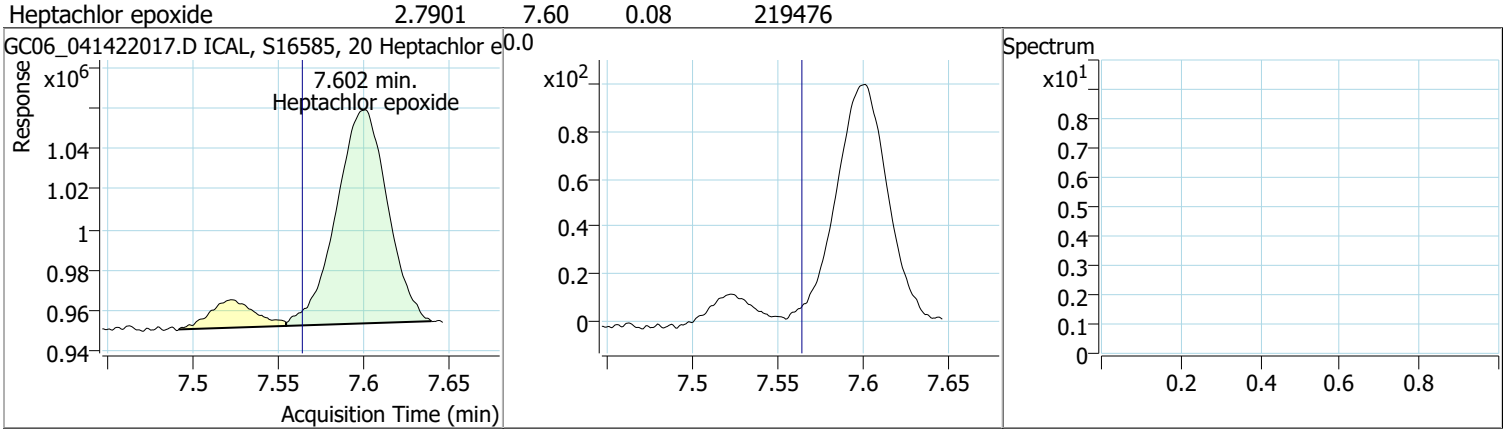
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	3.1870	6.75	0.04	257254			



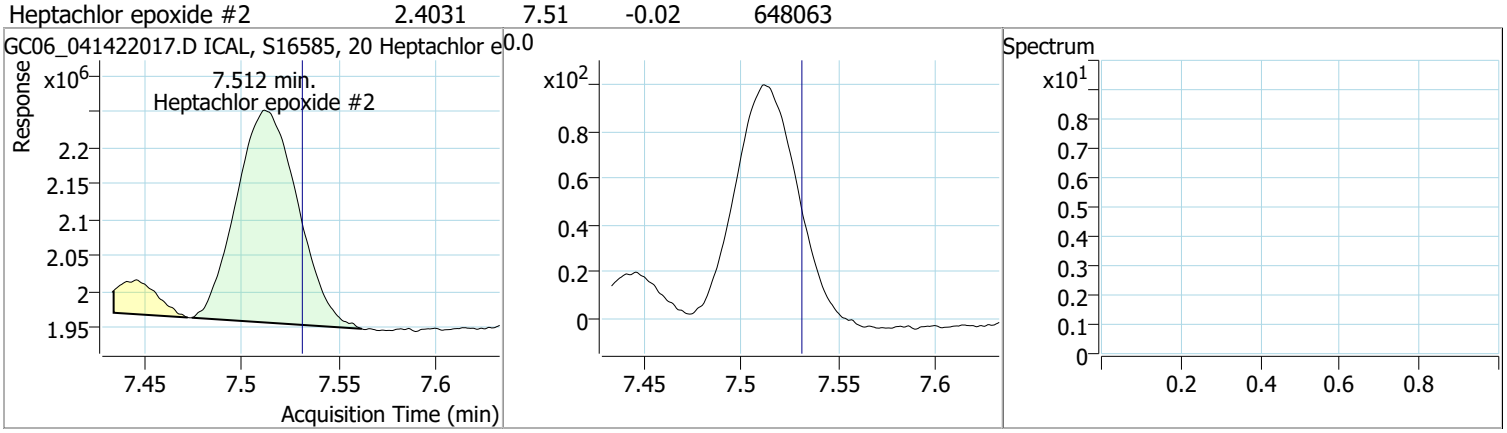
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	0.4474	6.75	0.03	123038			



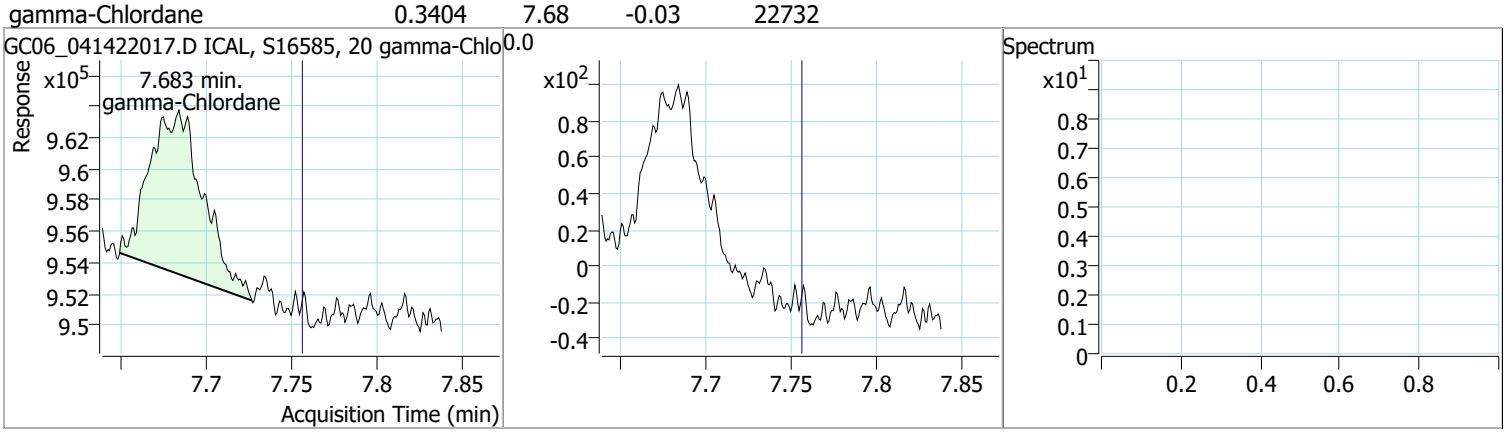
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	2.7901	7.60	0.08	219476			



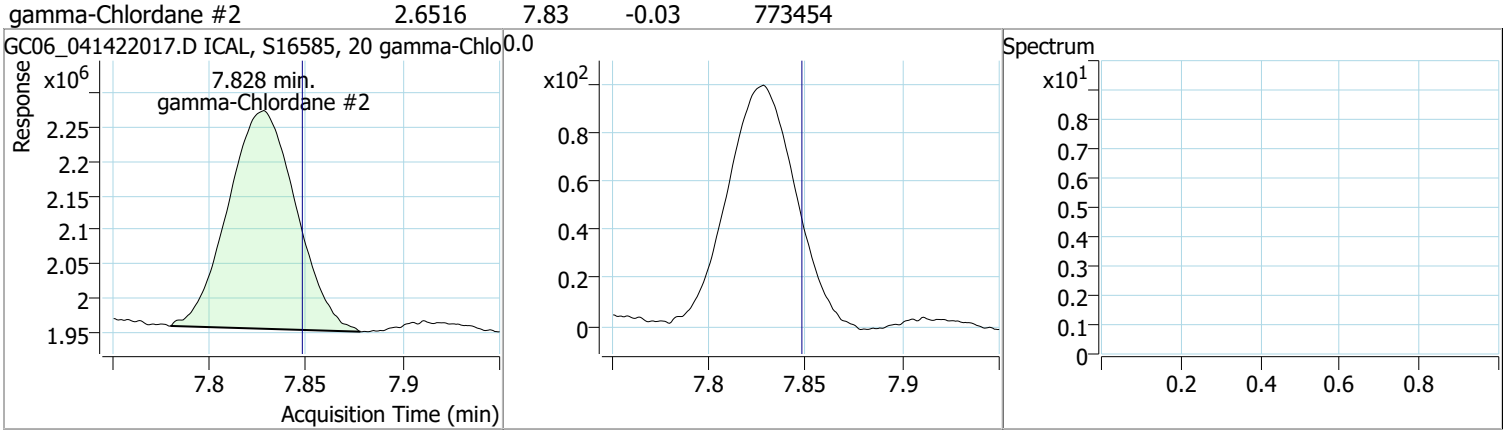
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	2.4031	7.51	-0.02	648063			



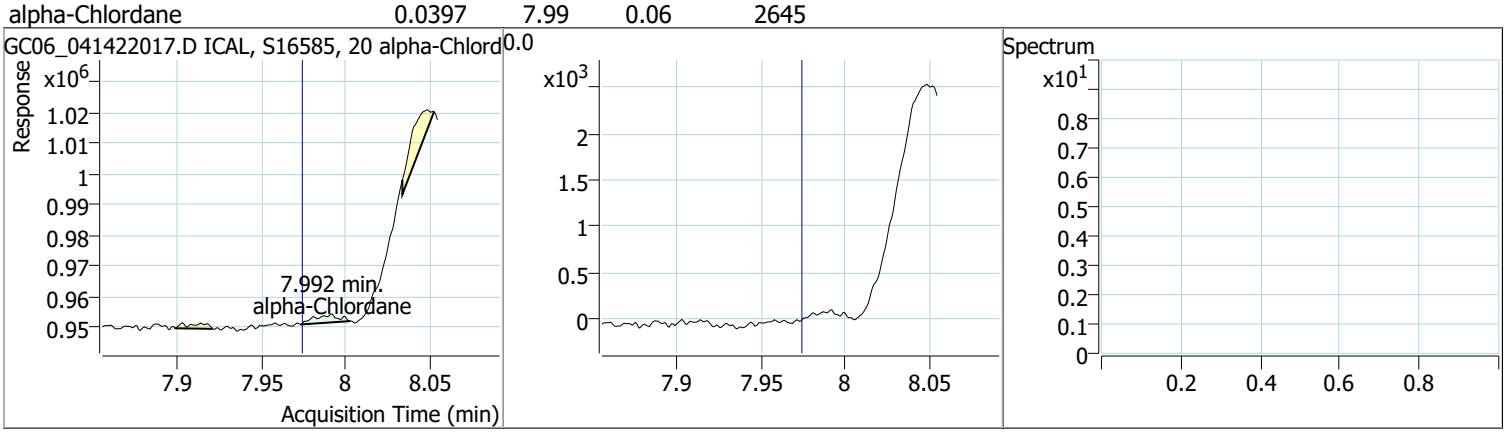
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.3404	7.68	-0.03	22732			



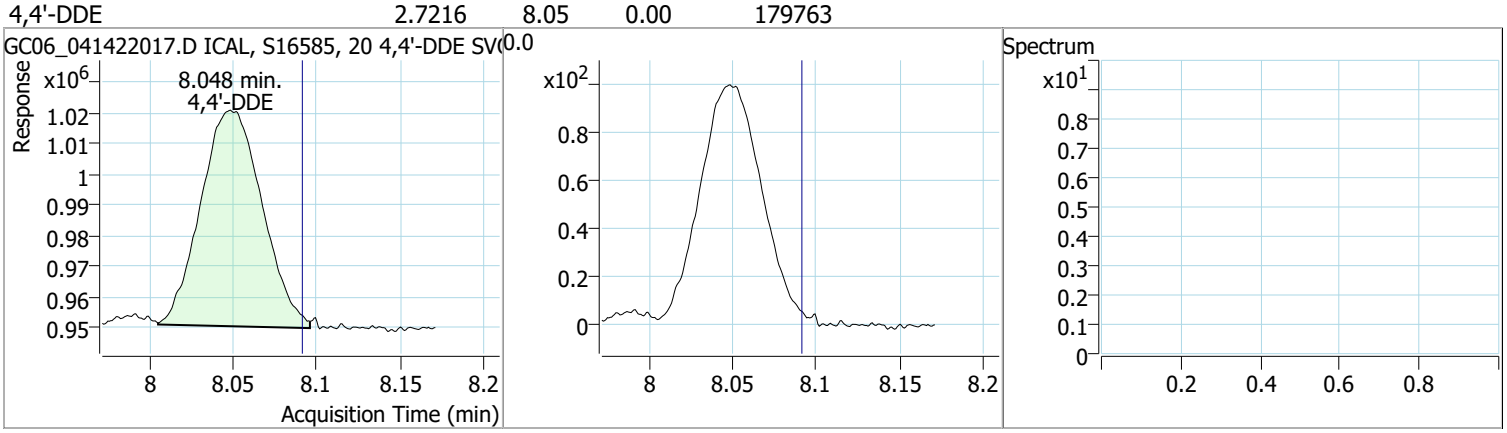
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	2.6516	7.83	-0.03	773454			



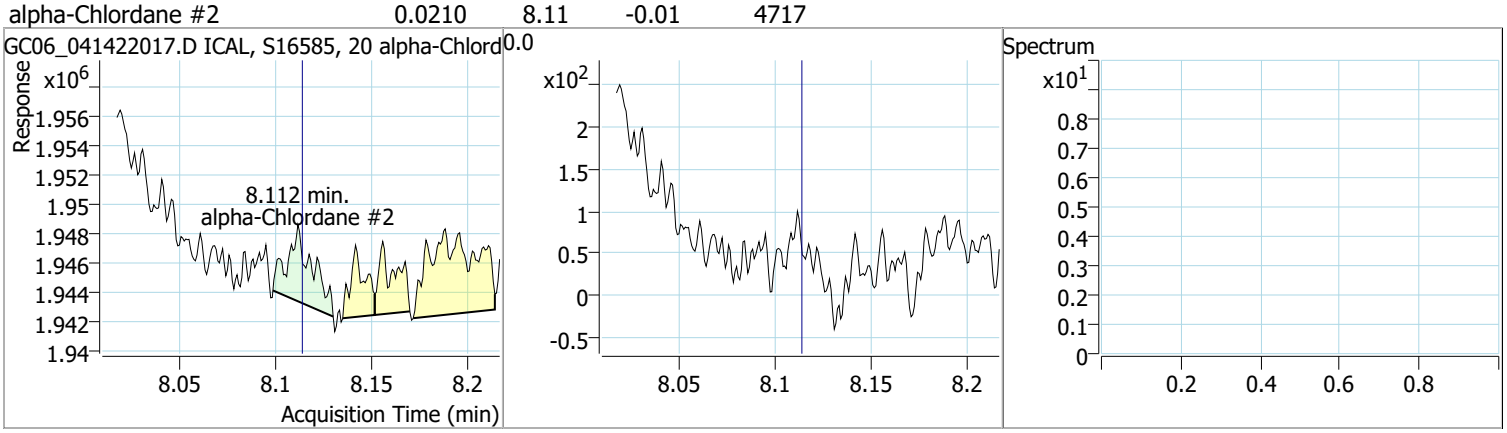
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	0.0397	7.99	0.06	2645			



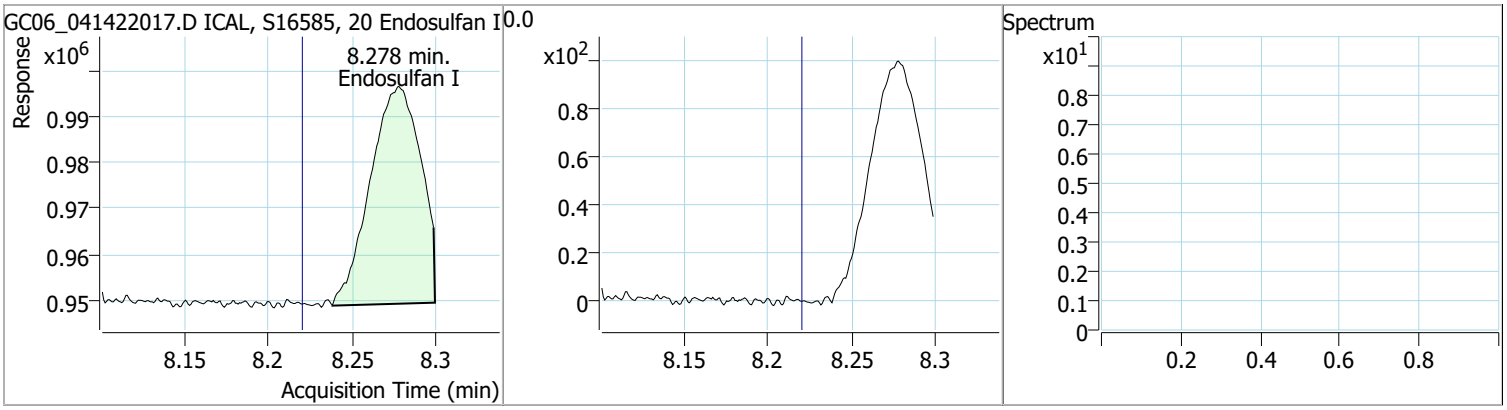
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	2.7216	8.05	0.00	179763			



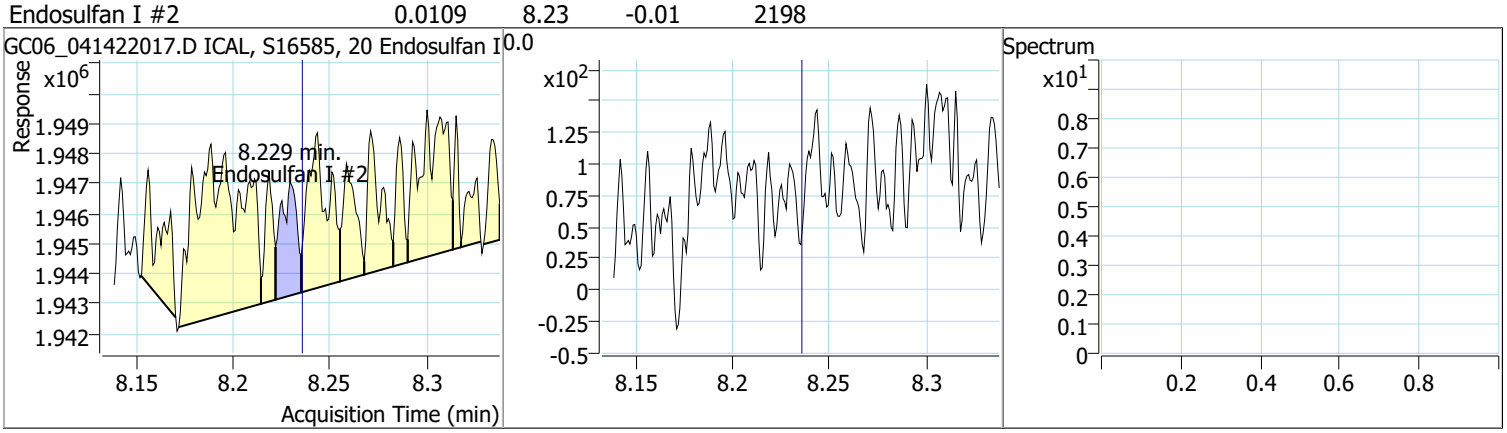
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
alpha-Chlordane #2	0.0210	8.11	-0.01	4717		



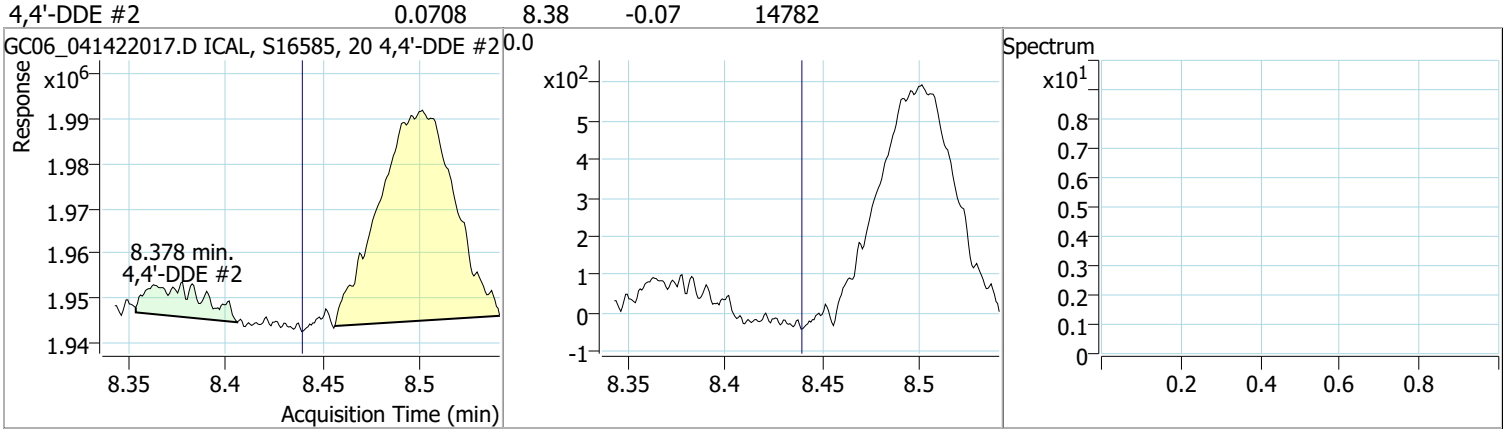
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
Endosulfan I	1.6001	8.28	0.10	99753		



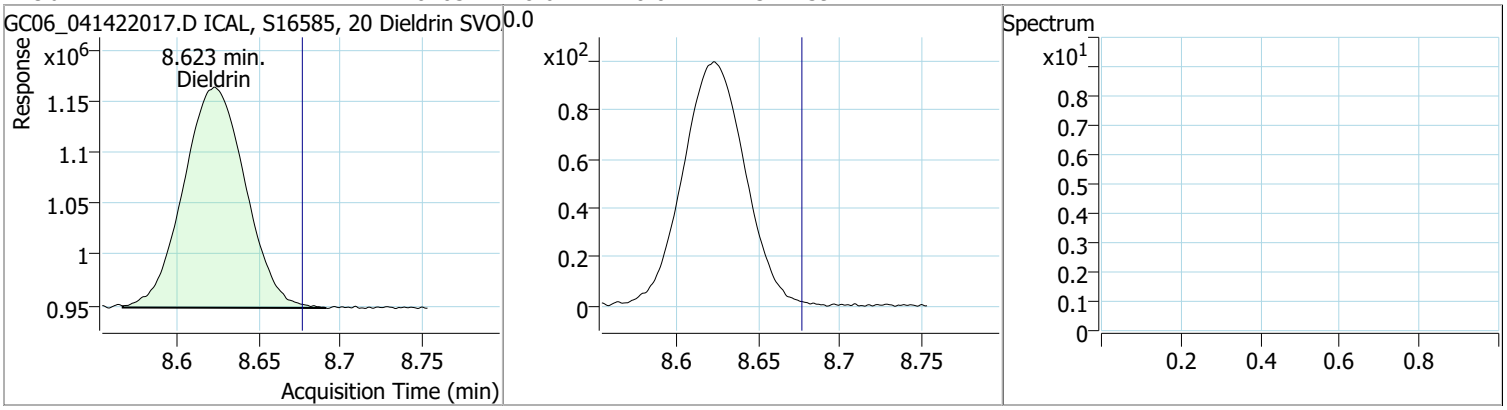
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
Endosulfan I #2	0.0109	8.23	-0.01	2198		



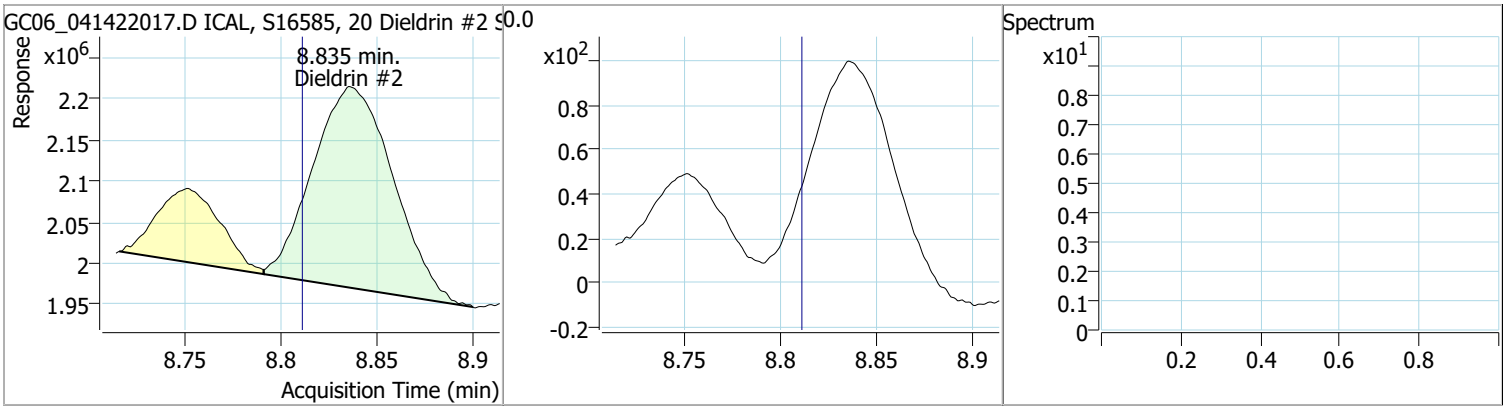
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
4,4'-DDE #2	0.0708	8.38	-0.07	14782		



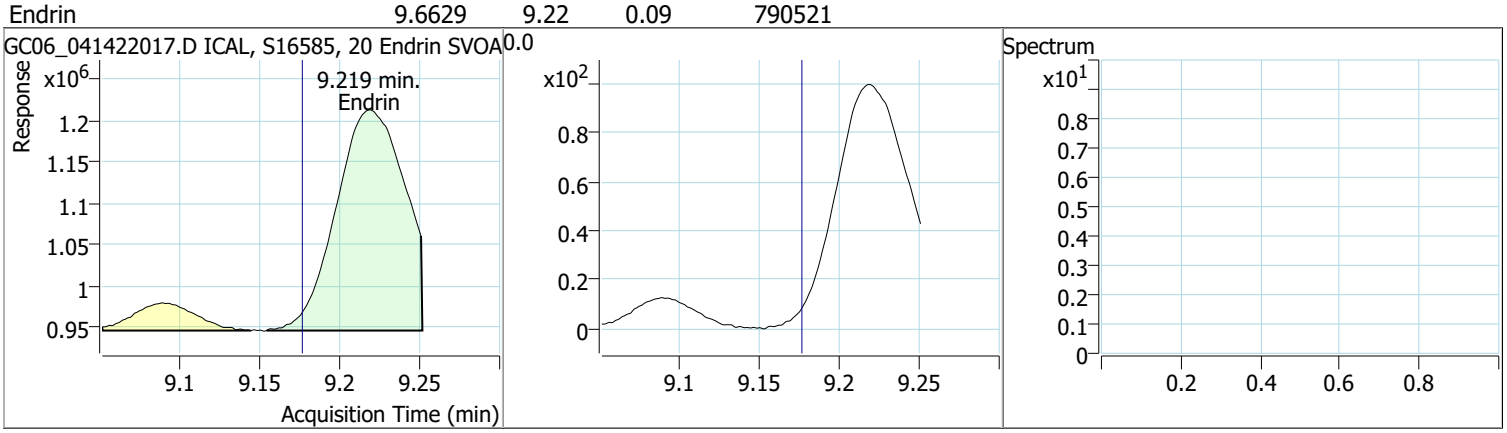
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin	7.0403	8.62	-0.01	571239			



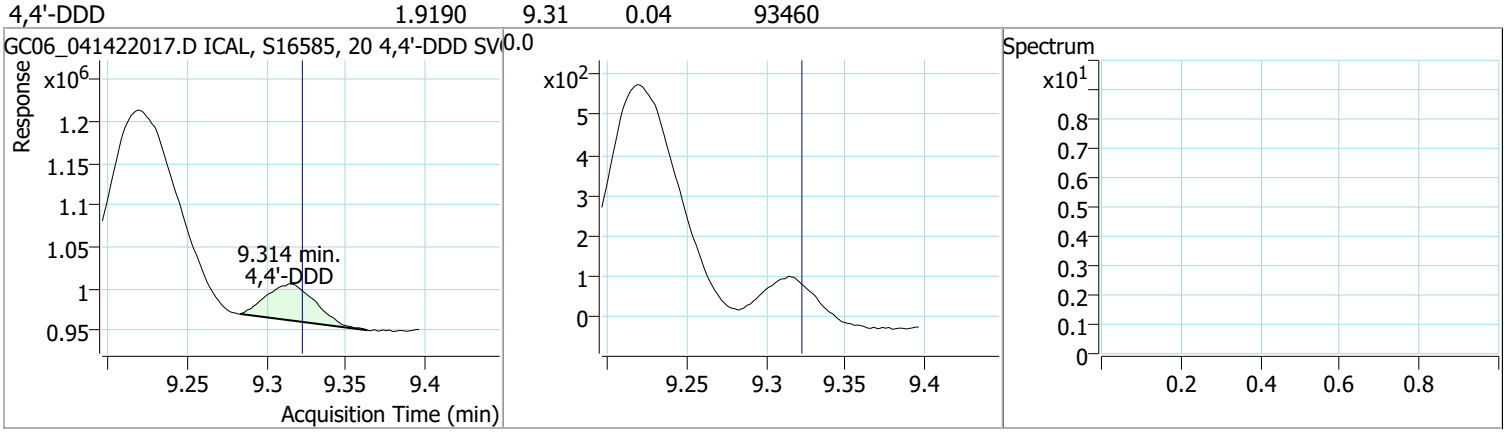
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	2.9149	8.84	0.02	710390			



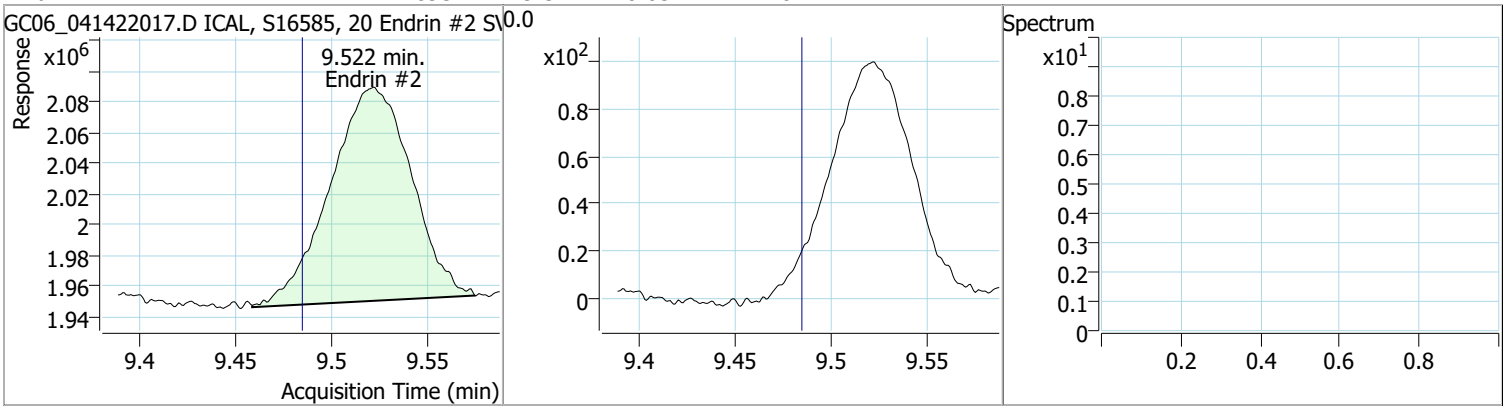
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin	9.6629	9.22	0.09	790521			



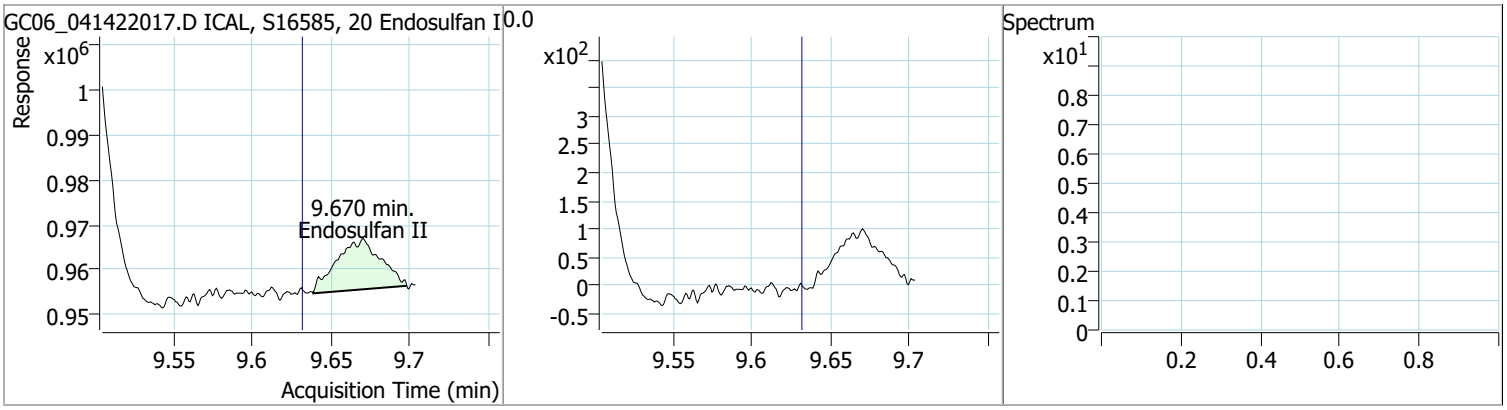
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	1.9190	9.31	0.04	93460			



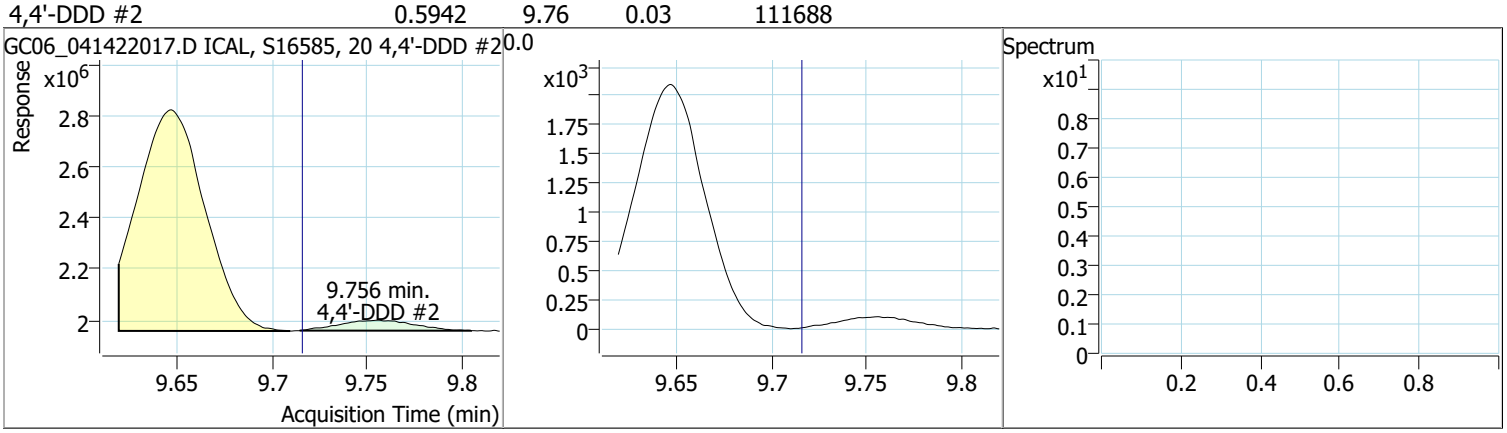
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin #2	1.8932	9.52	0.03	410212			



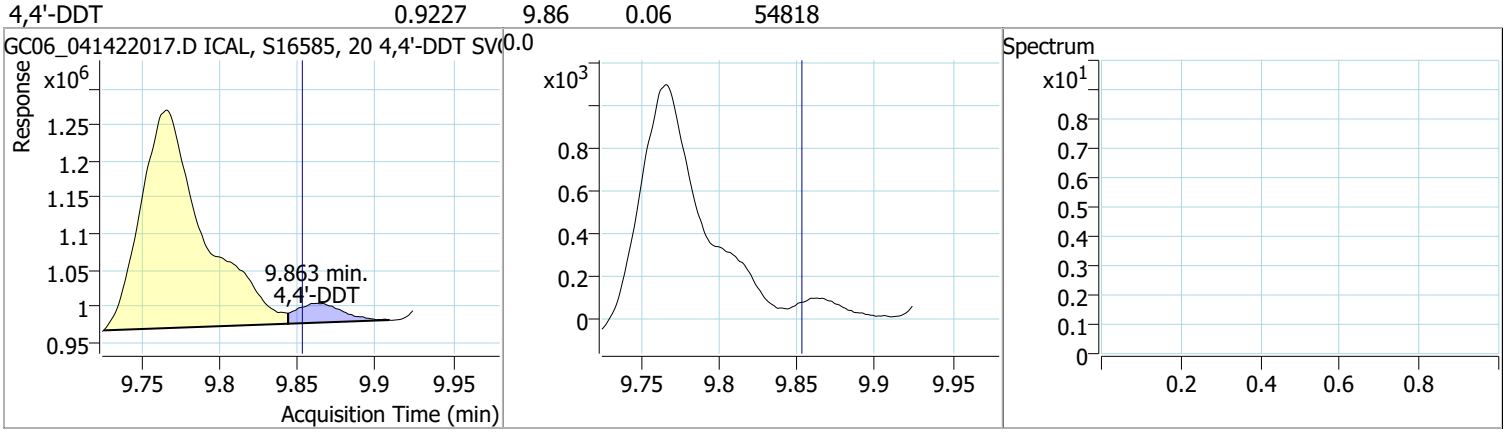
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II	0.3393	9.67	0.09	22069			



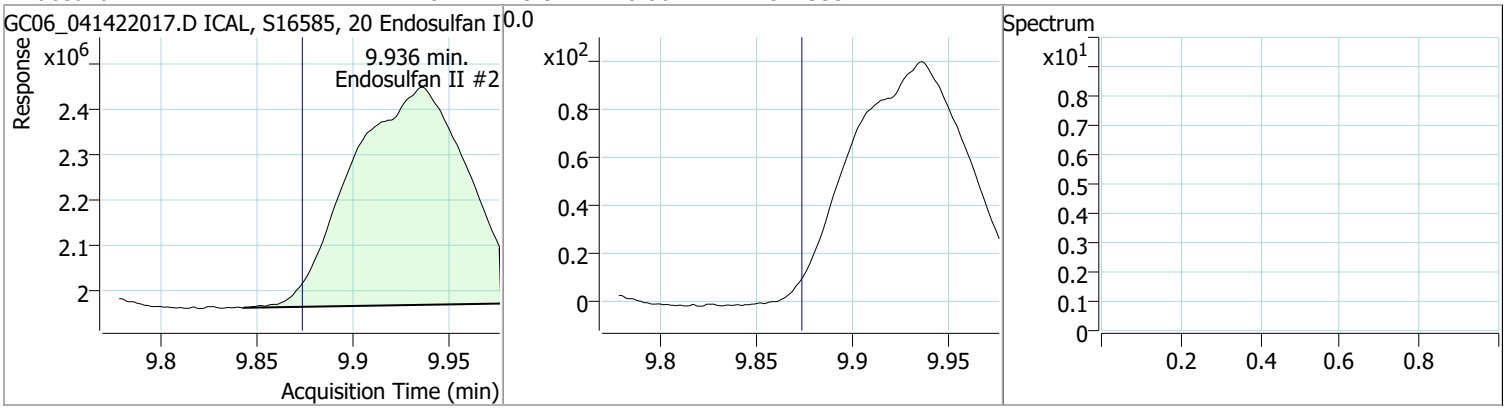
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	0.5942	9.76	0.03	111688			



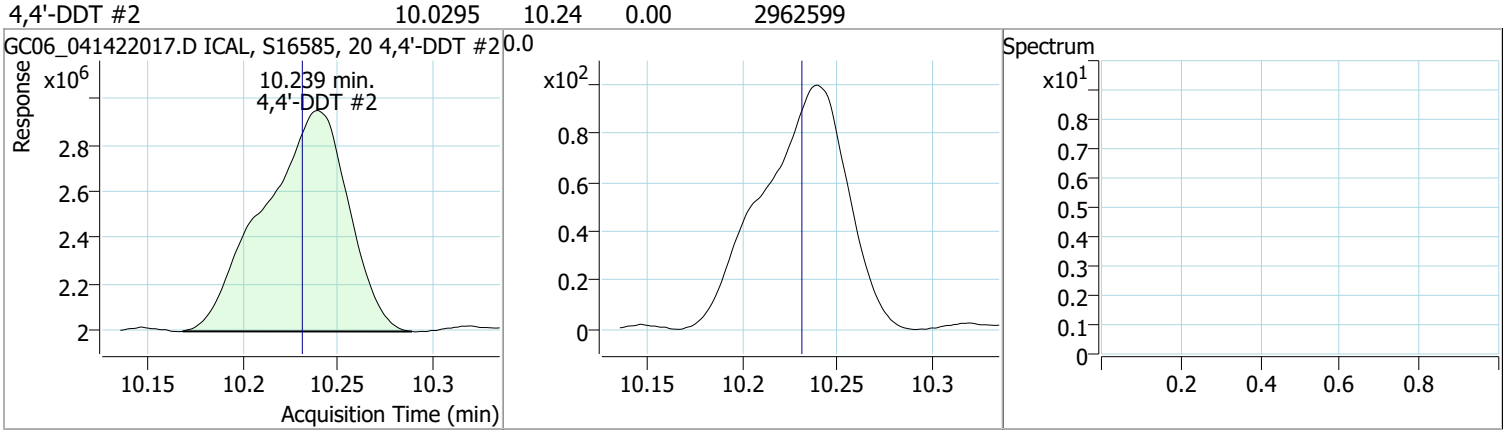
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	0.9227	9.86	0.06	54818			



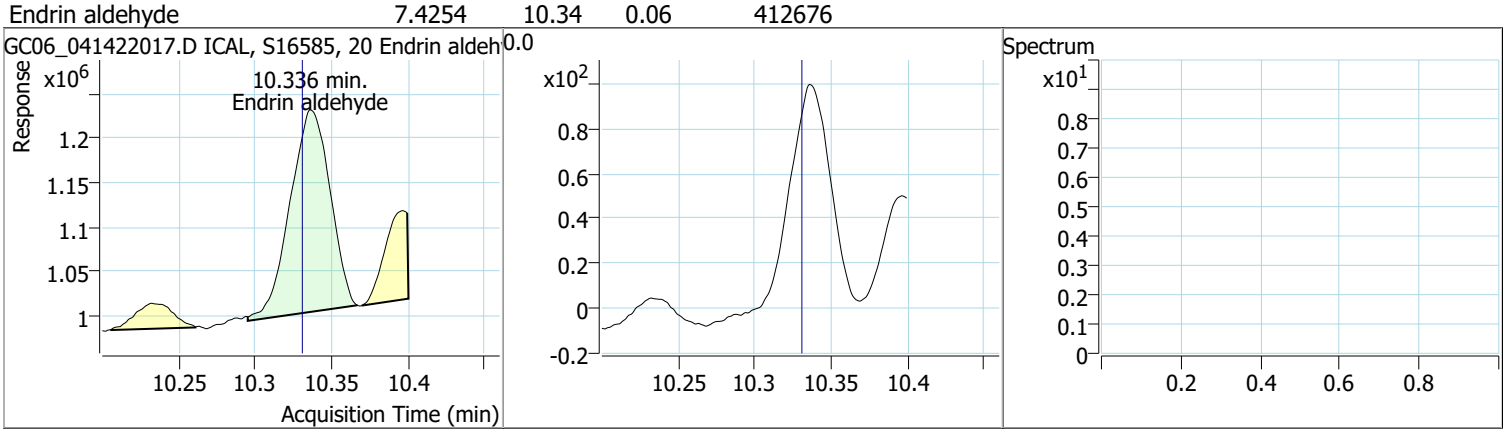
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	7.4014	9.94	0.06	2012533			



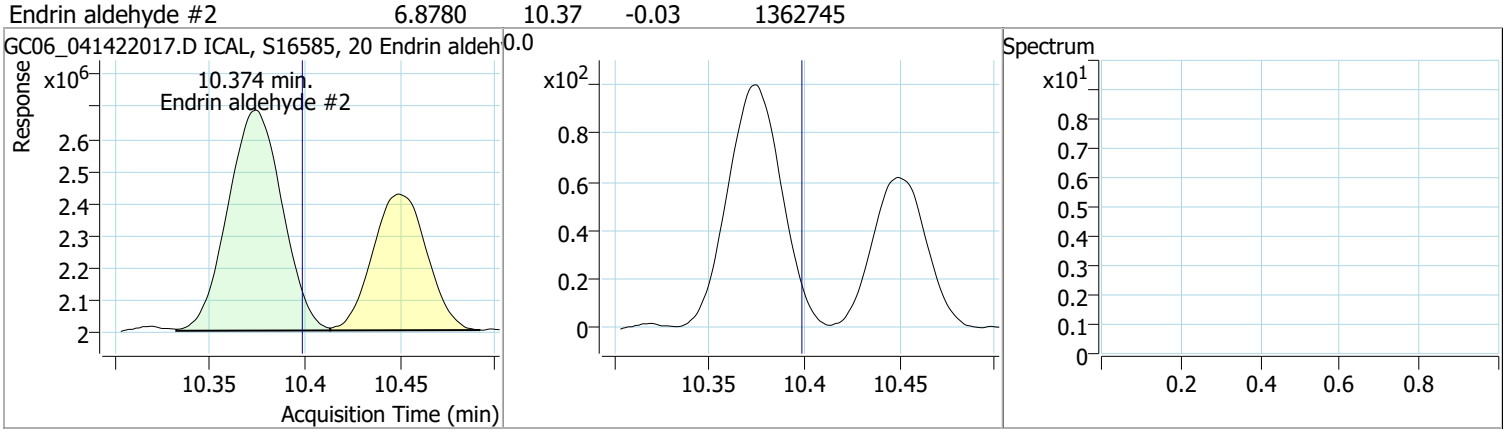
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	10.0295	10.24	0.00	2962599			



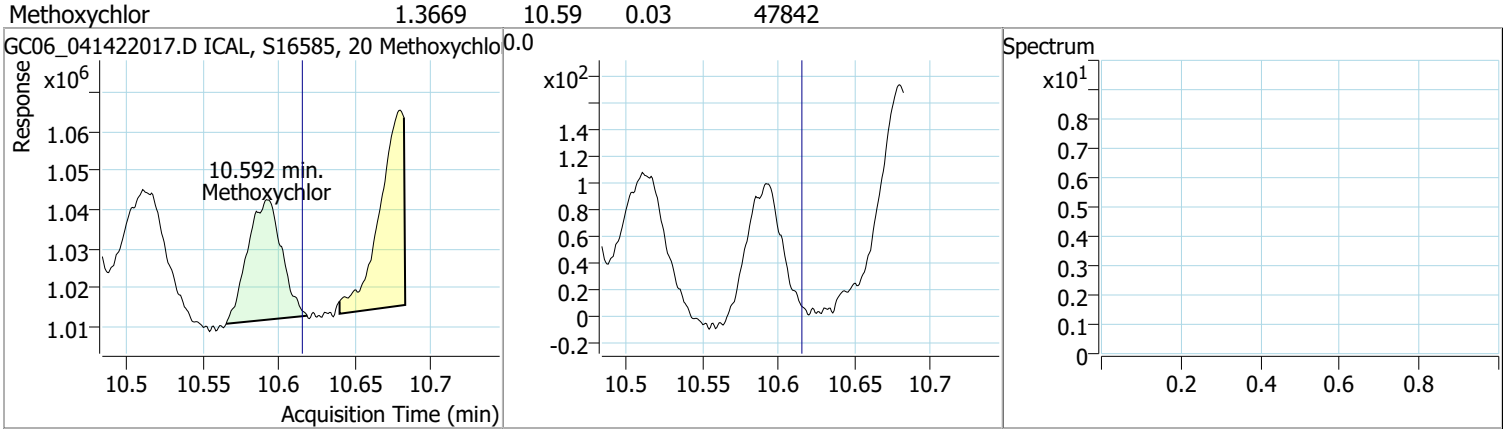
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	7.4254	10.34	0.06	412676			



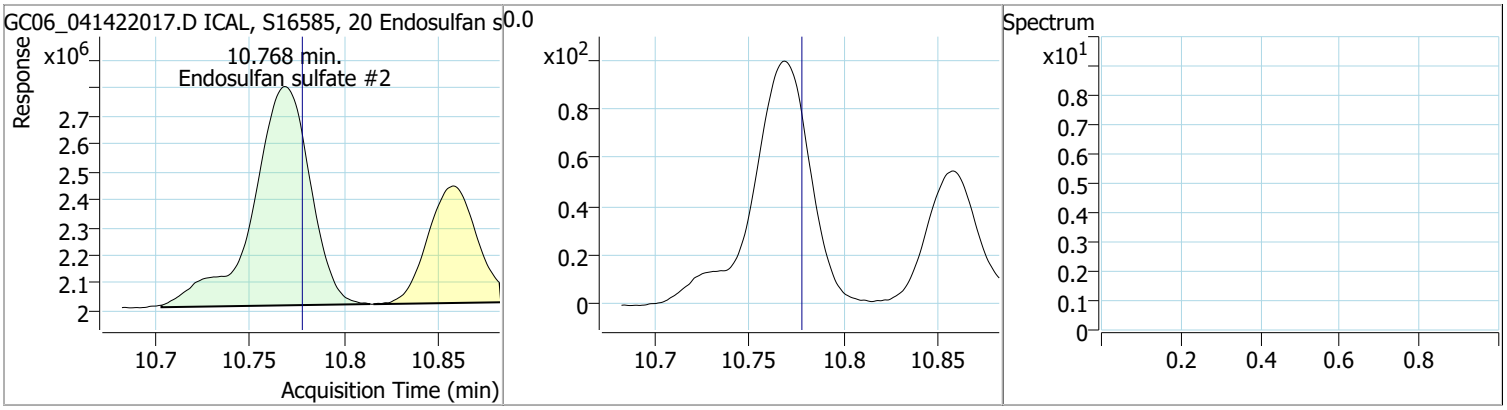
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	6.8780	10.37	-0.03	1362745			



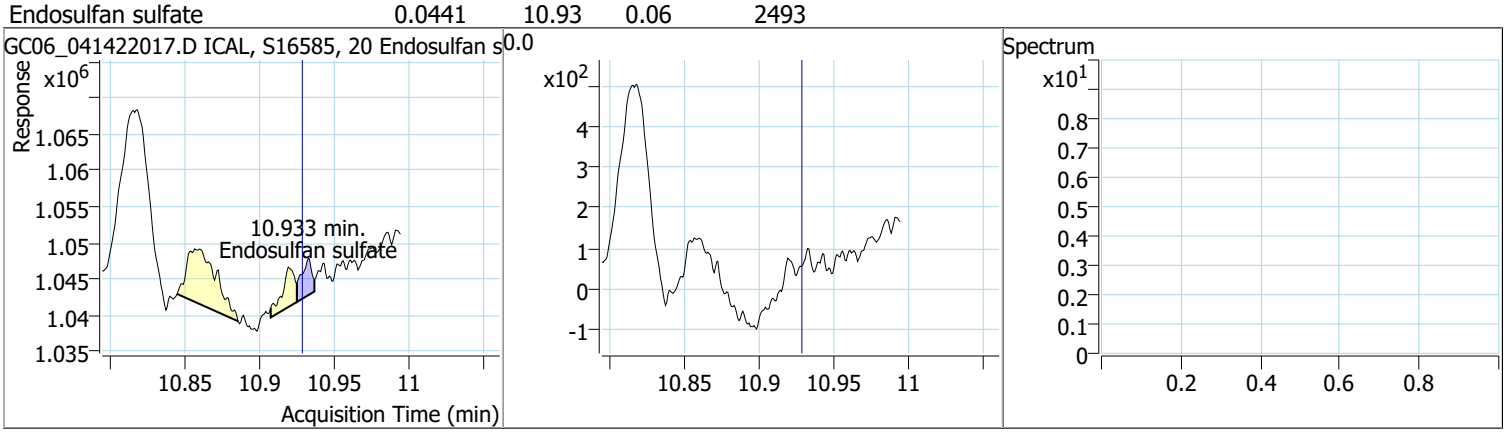
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	1.3669	10.59	0.03	47842			



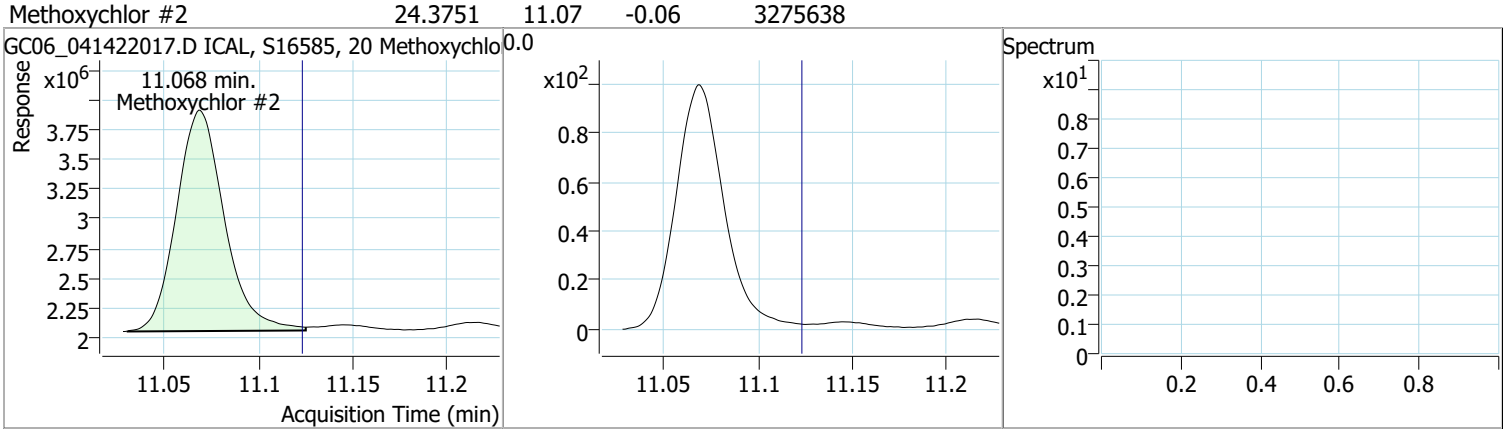
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	7.2755	10.77	-0.02	1662139			



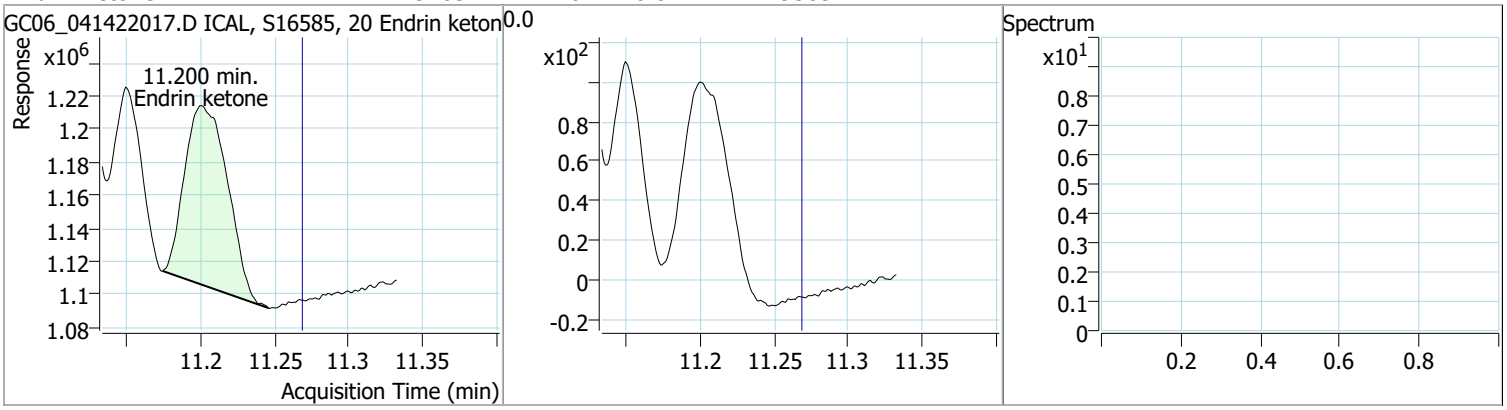
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	0.0441	10.93	0.06	2493			



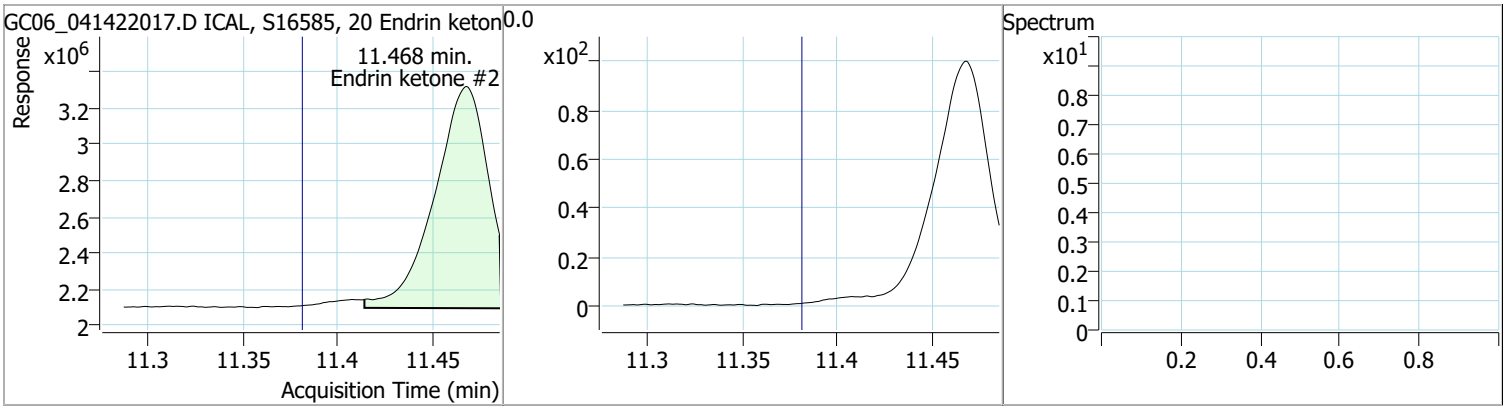
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	24.3751	11.07	-0.06	3275638			



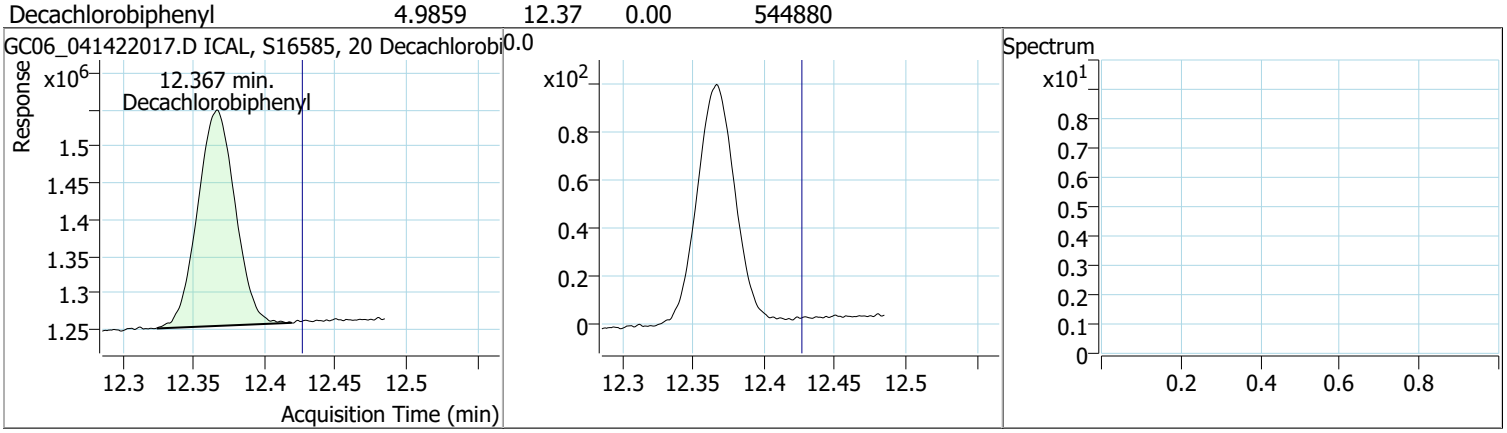
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	2.9203	11.20	-0.01	219505			



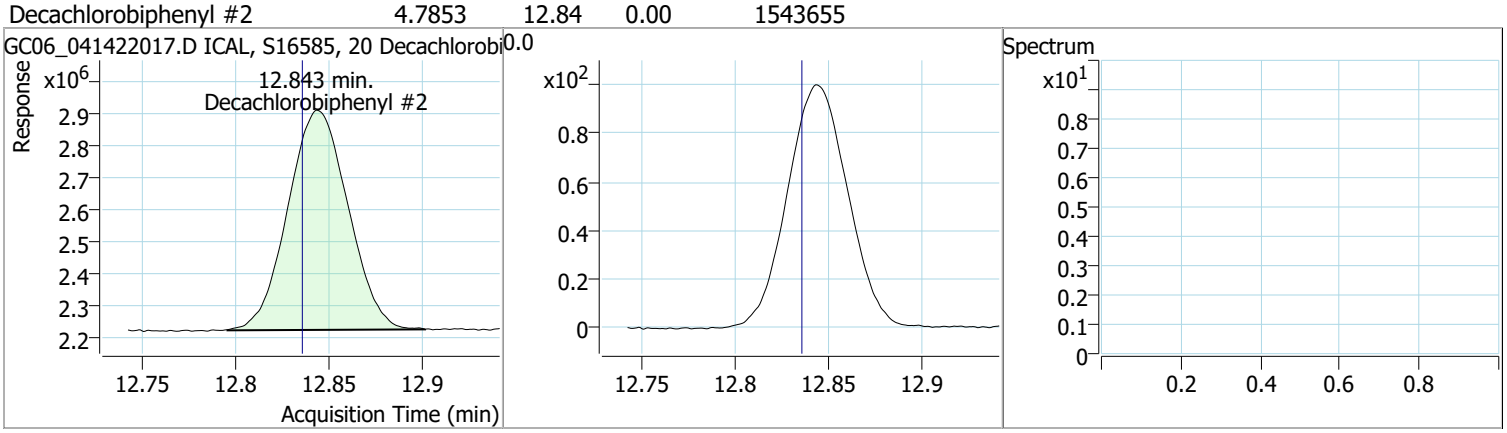
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	7.9882	11.47	0.08	2374924			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	4.9859	12.37	0.00	544880			

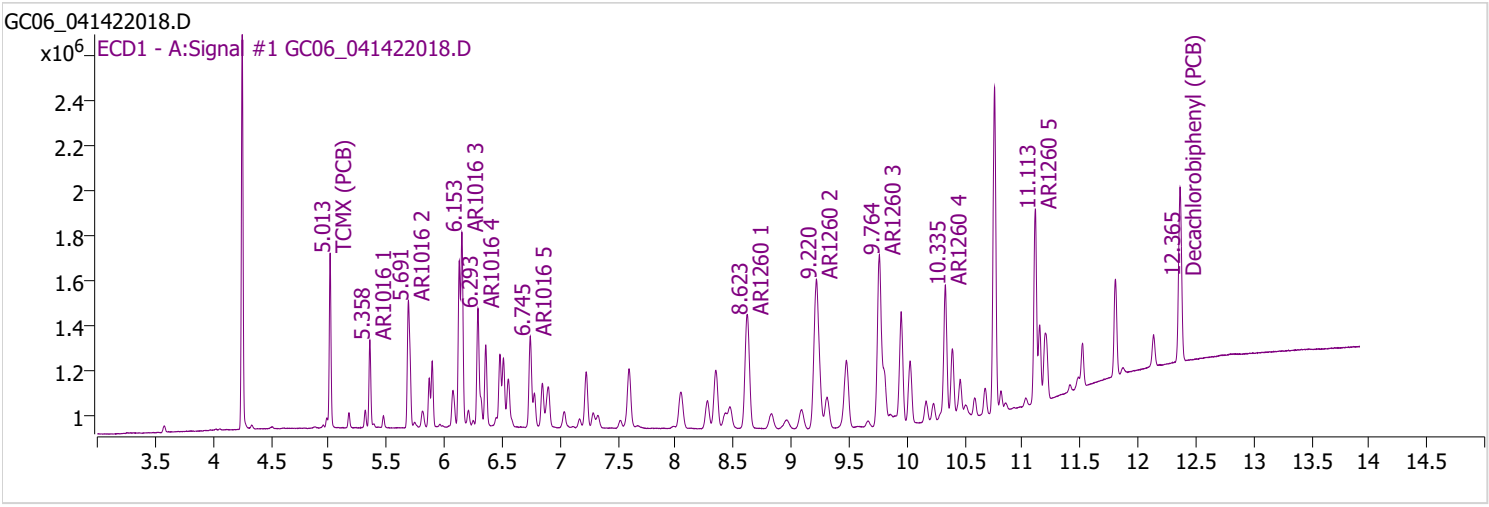


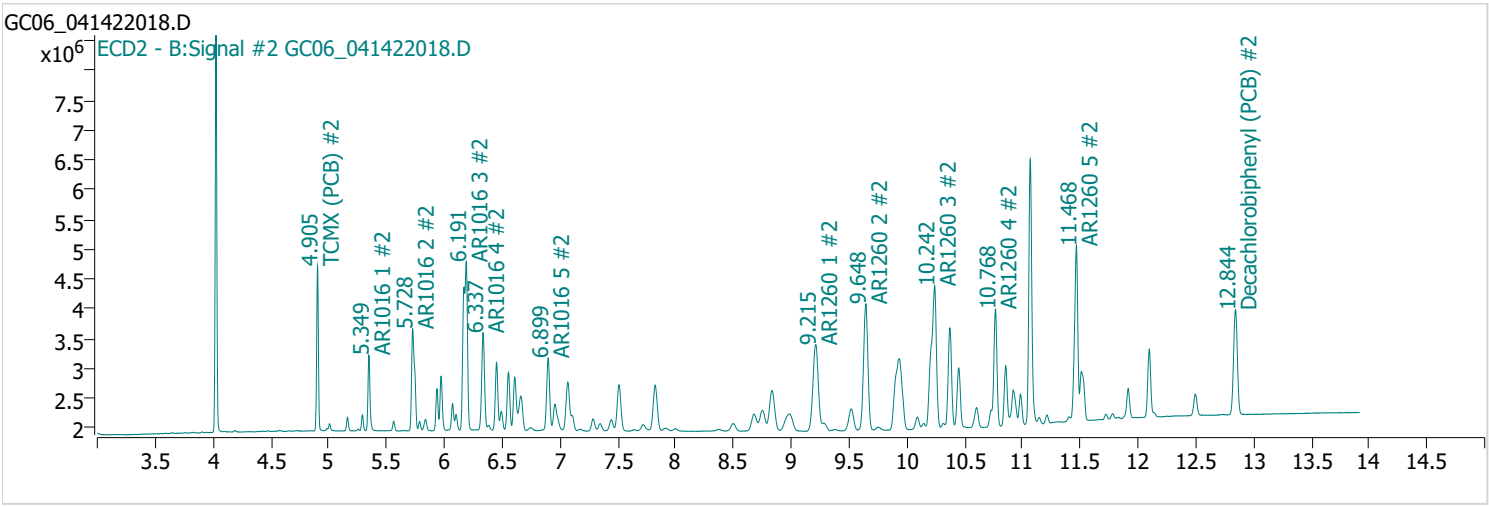
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	4.7853	12.84	0.00	1543655			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422018.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 7:33:59 PM
Sample Name	ICAL, S16585, 8	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 114	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



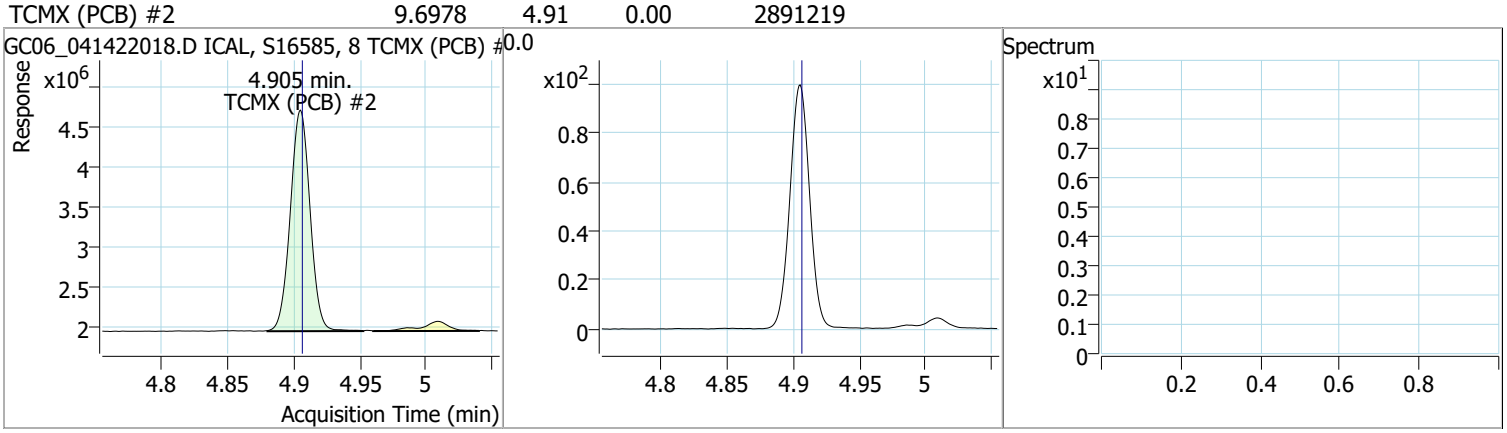


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.253	4.027	1820556	6508941	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.013	4.905	813524	2891219	9.290	9.698	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	46.45% *	48.49% *	
S Decachlorobiphenyl (PCB)	12.365	12.844	1430102	4047244	10.331	10.305	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	51.66%	51.52%	
Target Compounds							
T AR1016 1	5.358	5.349	457924	1557601	257.142	255.536	ng/ml
T AR1016 2	5.691	5.728	935259	3226343	241.201	255.057	ng/ml
T AR1016 3	6.153	6.191	1142128	4149358 m	250.277	248.730	ng/ml
T AR1016 4	6.293	6.337	848628	2863787	248.499	253.035	ng/ml
T AR1016 5	6.745	6.899	654329	2208069	247.696	249.541	ng/ml
T AR1260 1	8.623	9.215	1377678	4761062 m	240.459	241.679	ng/ml
T AR1260 2	9.220	9.648	2113917	5557383	239.550	244.145	ng/ml
T AR1260 3	9.764	10.242	2170500	7428428	236.600	240.203	ng/ml
T AR1260 4	10.335	10.768	1089495	4107005	238.800	245.423	ng/ml

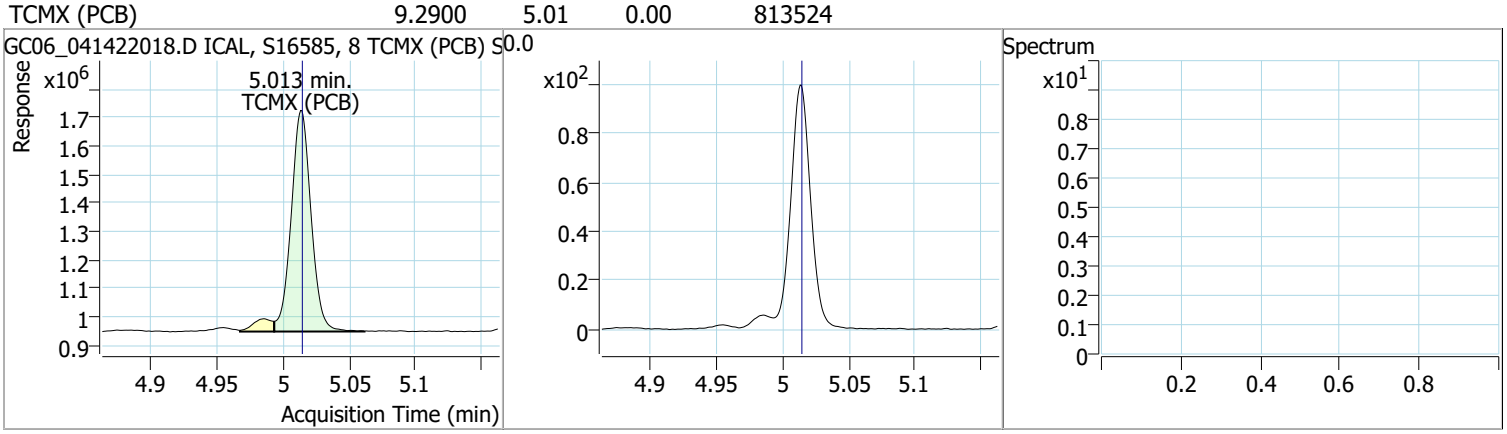
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.113	11.468	1425557	5858491	236.080	237.454	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

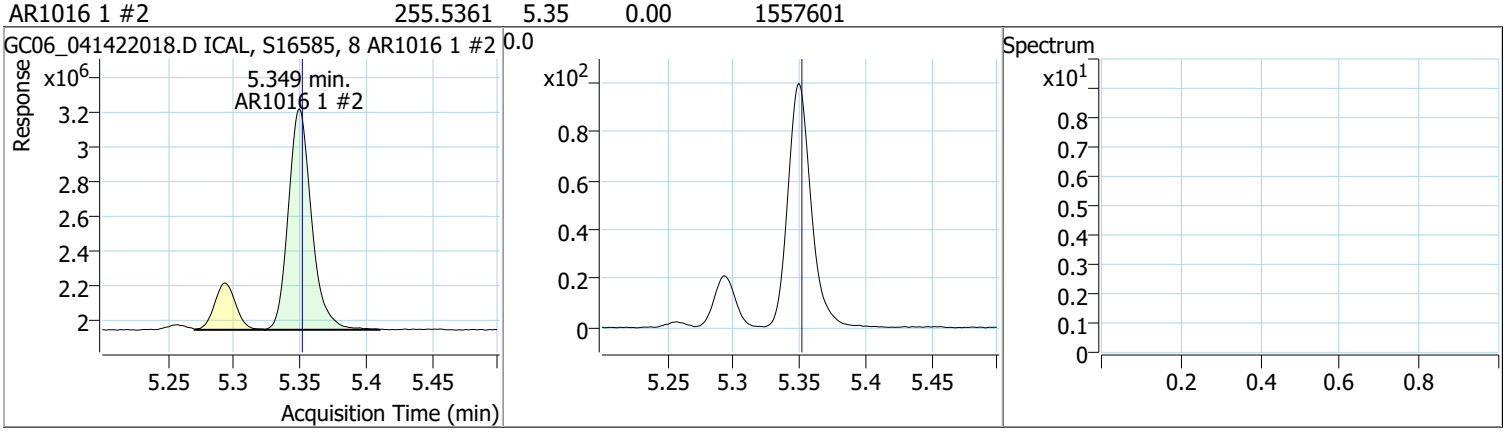
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	9.6978	4.91	0.00	2891219			



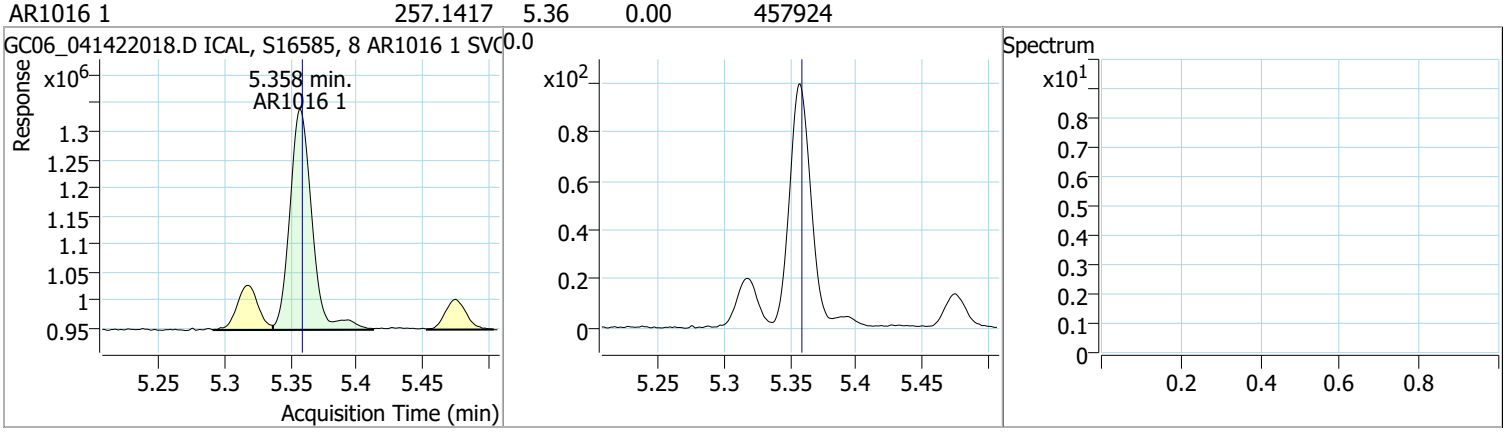
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	9.2900	5.01	0.00	813524			



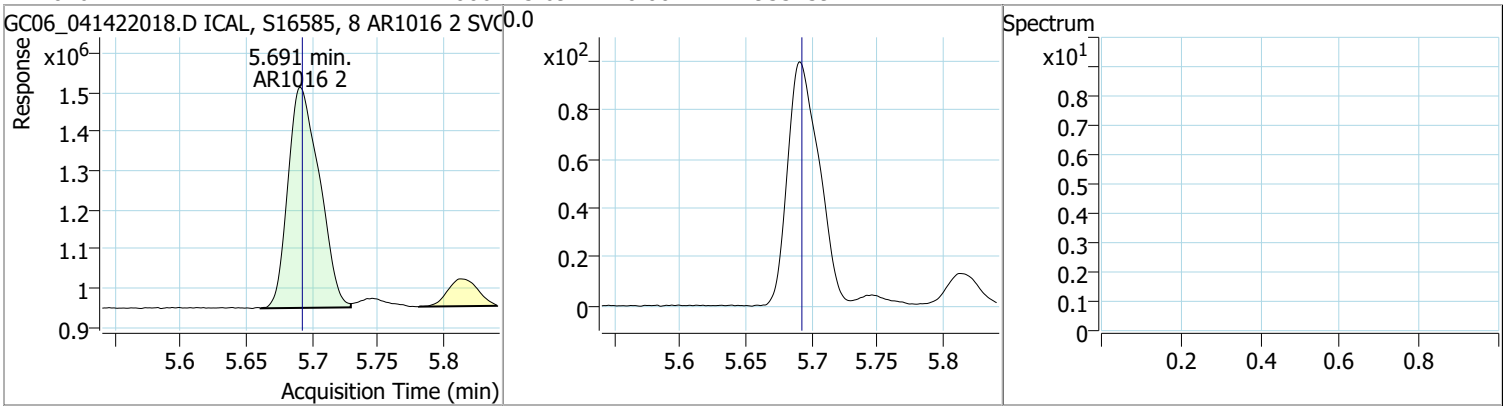
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	255.5361	5.35	0.00	1557601			



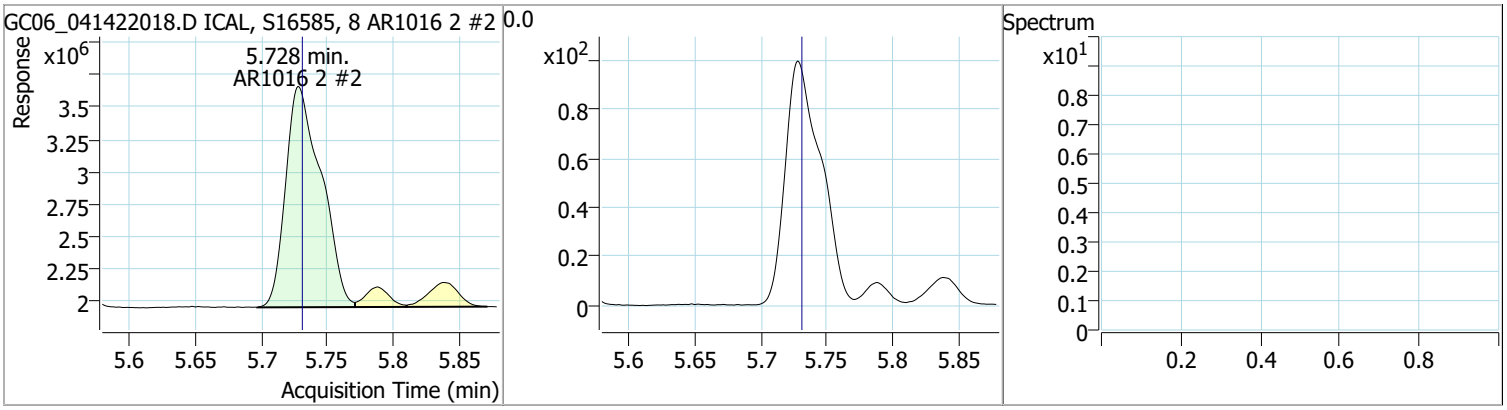
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	257.1417	5.36	0.00	457924			



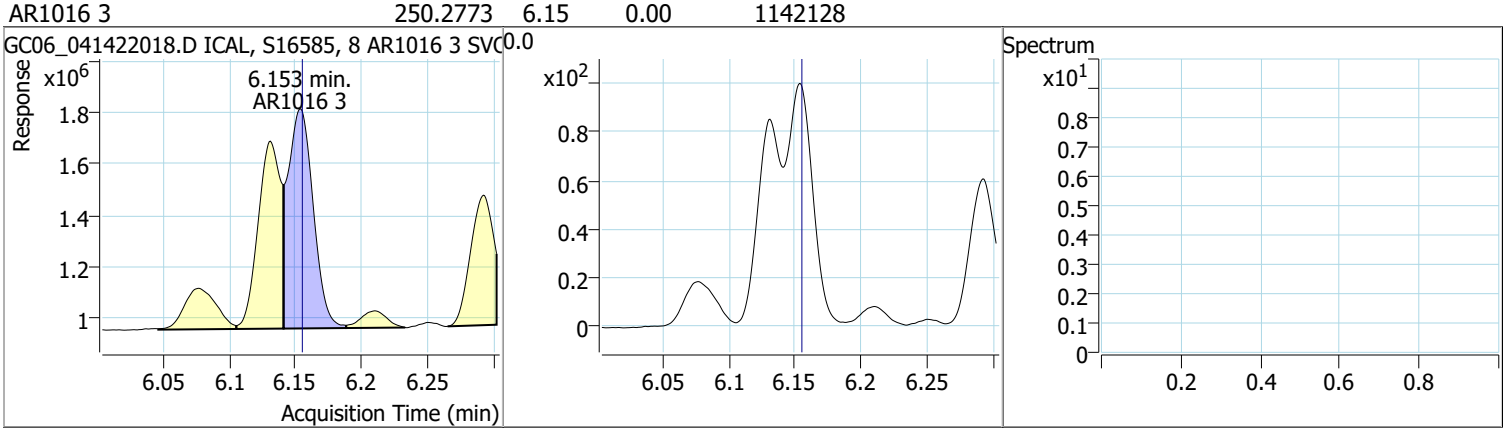
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	241.2006	5.69	0.00	935259			



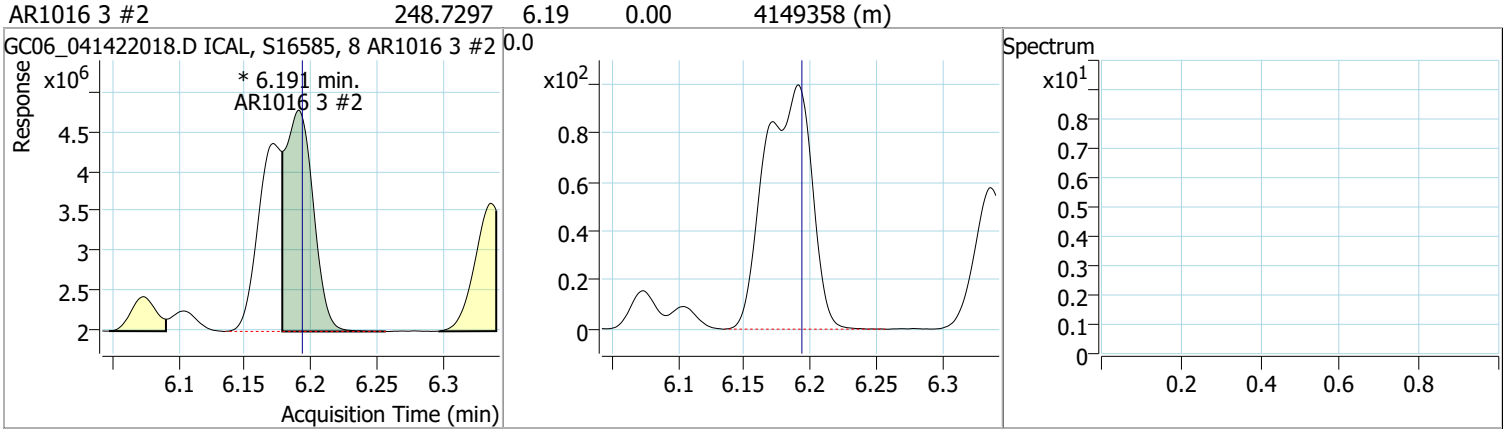
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	255.0565	5.73	0.00	3226343			



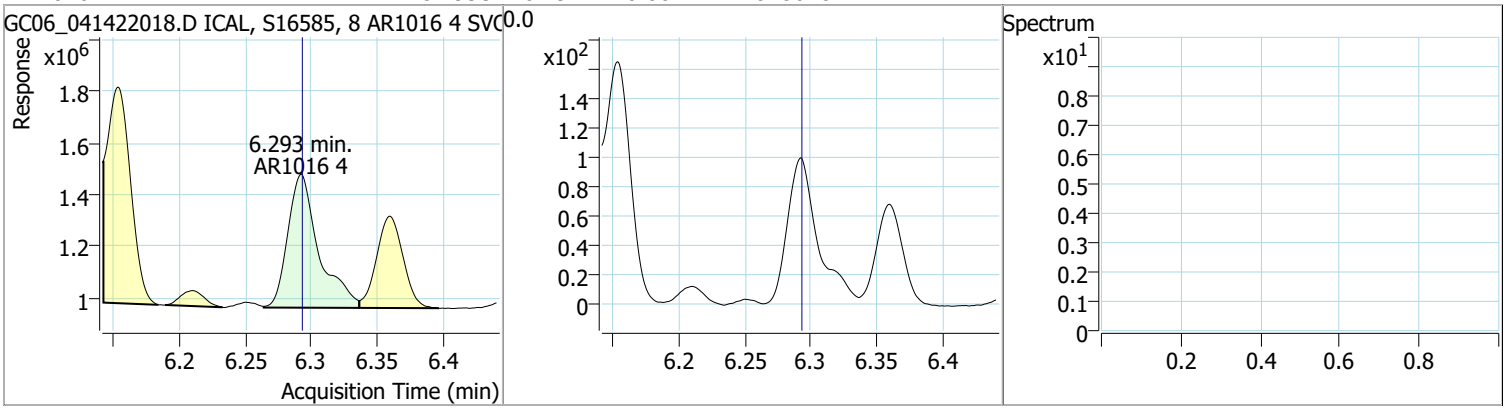
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	250.2773	6.15	0.00	1142128			



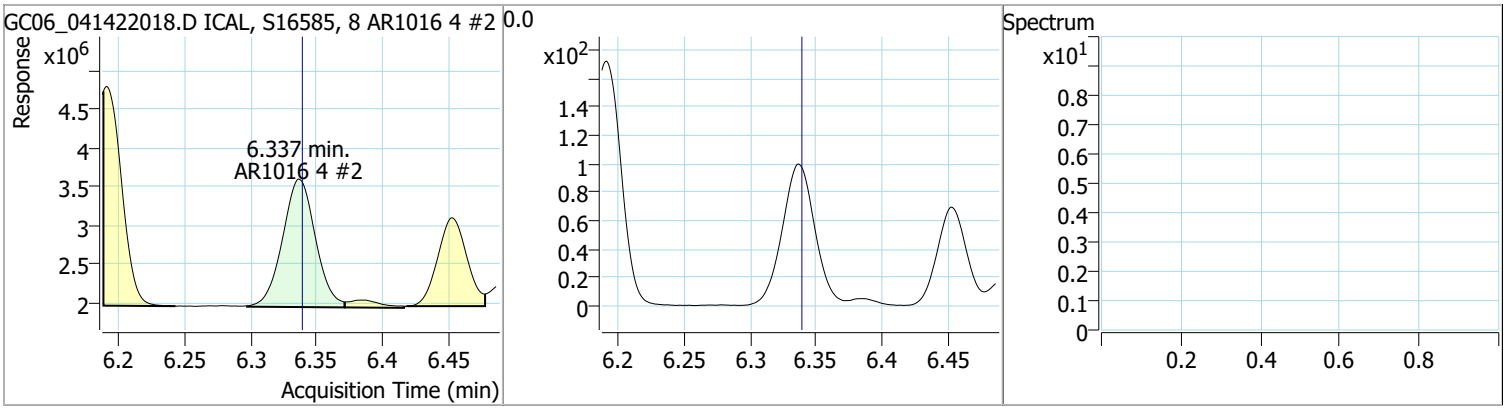
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	248.7297	6.19	0.00	4149358 (m)			



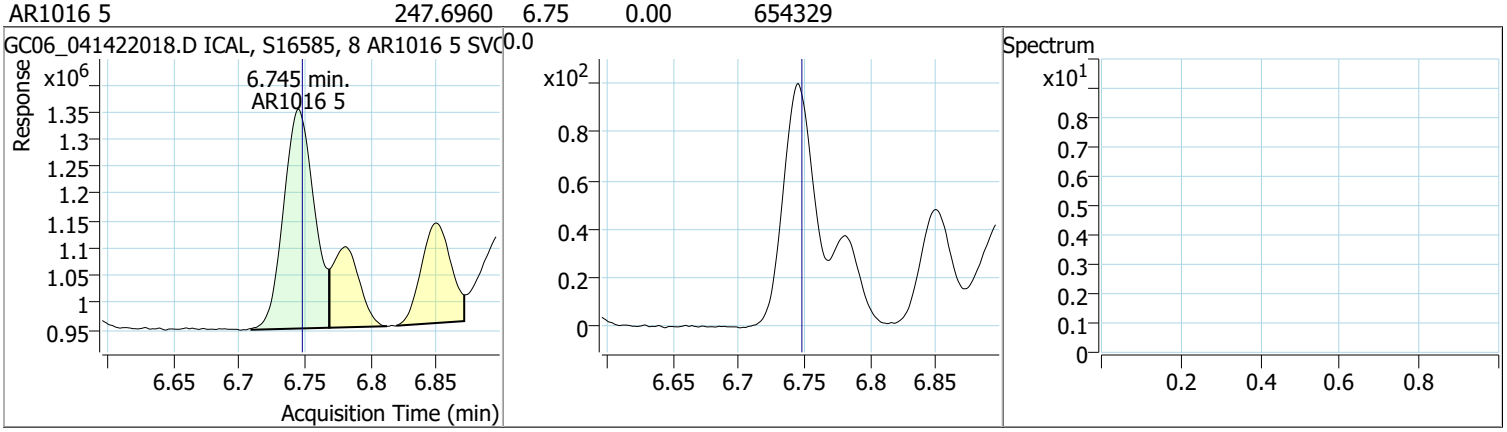
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	248.4995	6.29	0.00	848628			



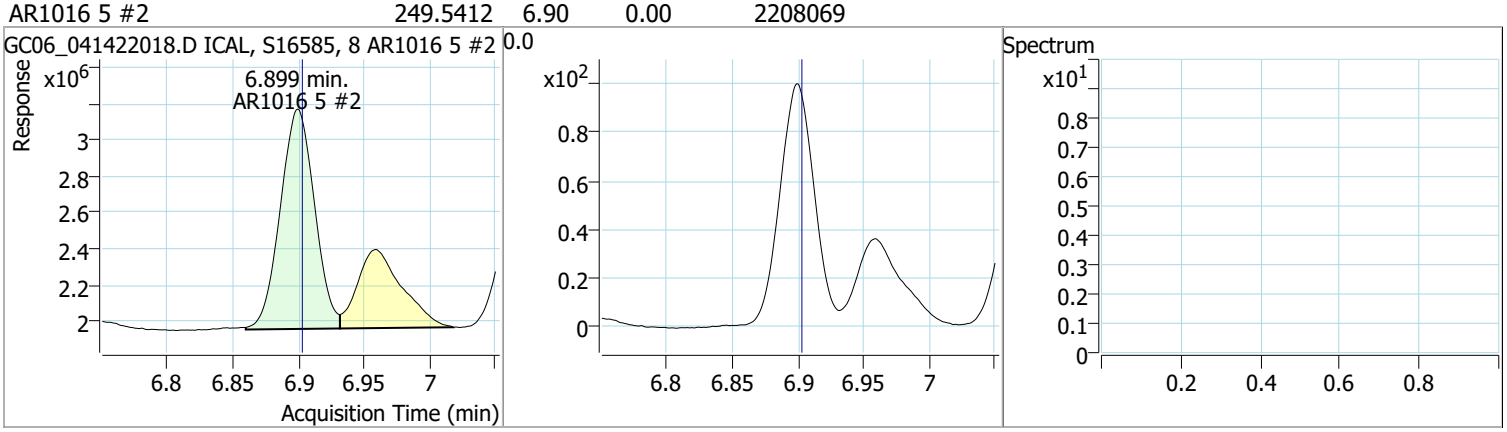
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	253.0345	6.34	0.00	2863787			



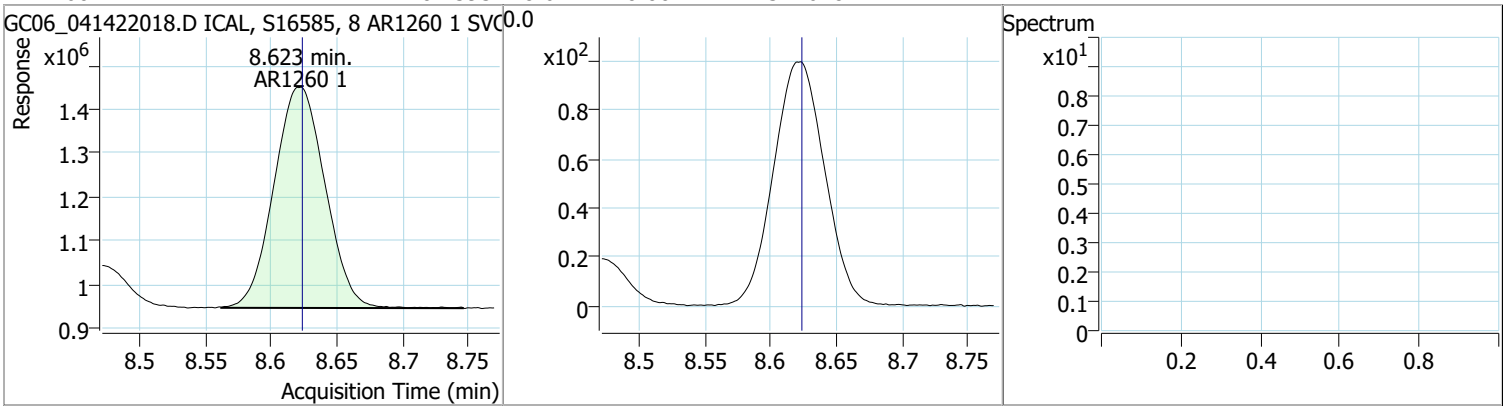
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	247.6960	6.75	0.00	654329			



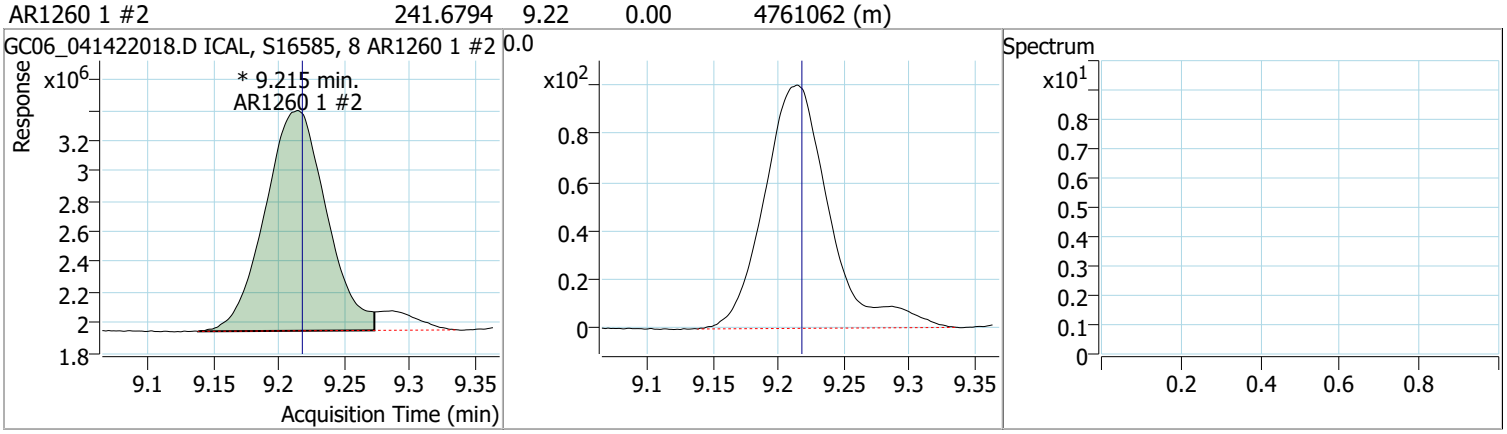
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	249.5412	6.90	0.00	2208069			



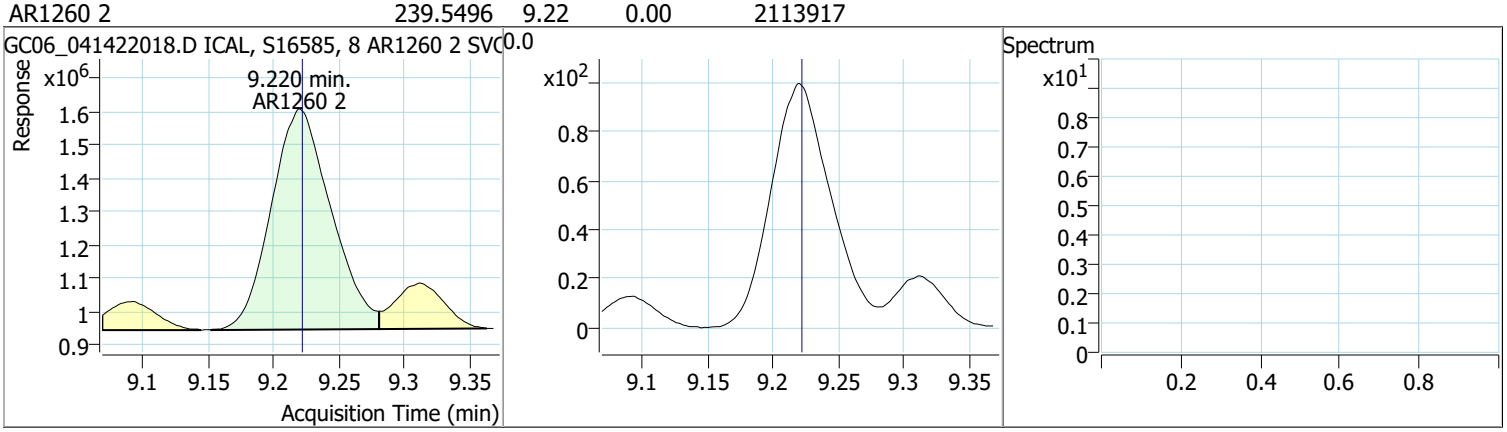
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	240.4595	8.62	0.00	1377678			



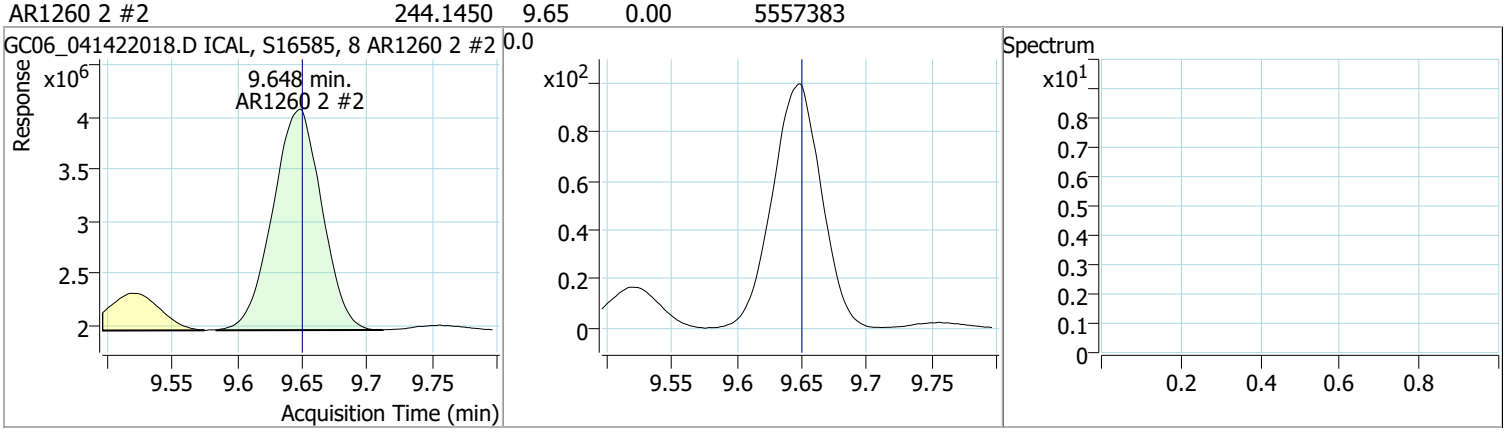
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	241.6794	9.22	0.00	4761062 (m)			



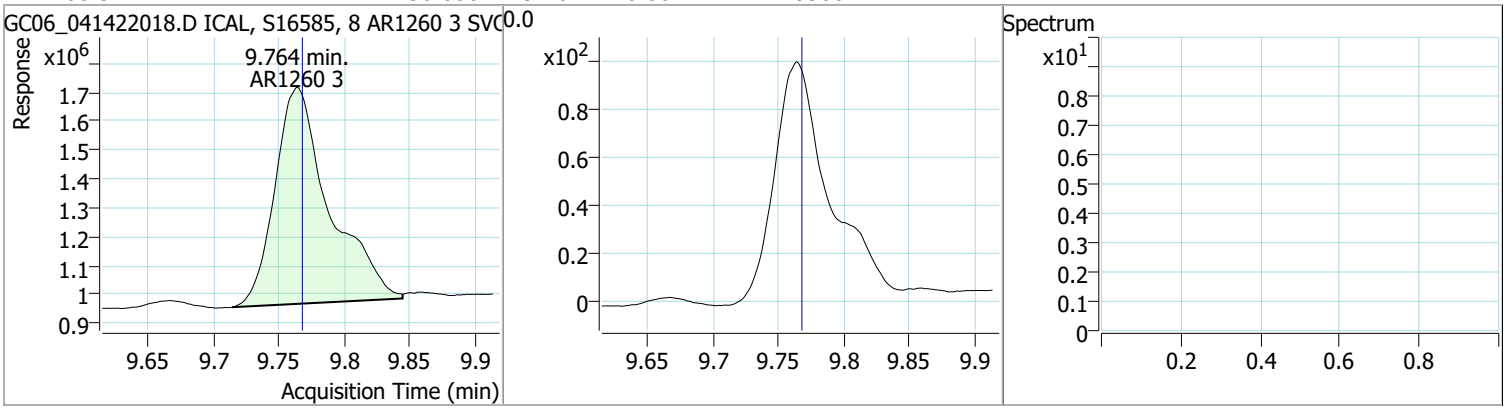
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	239.5496	9.22	0.00	2113917			



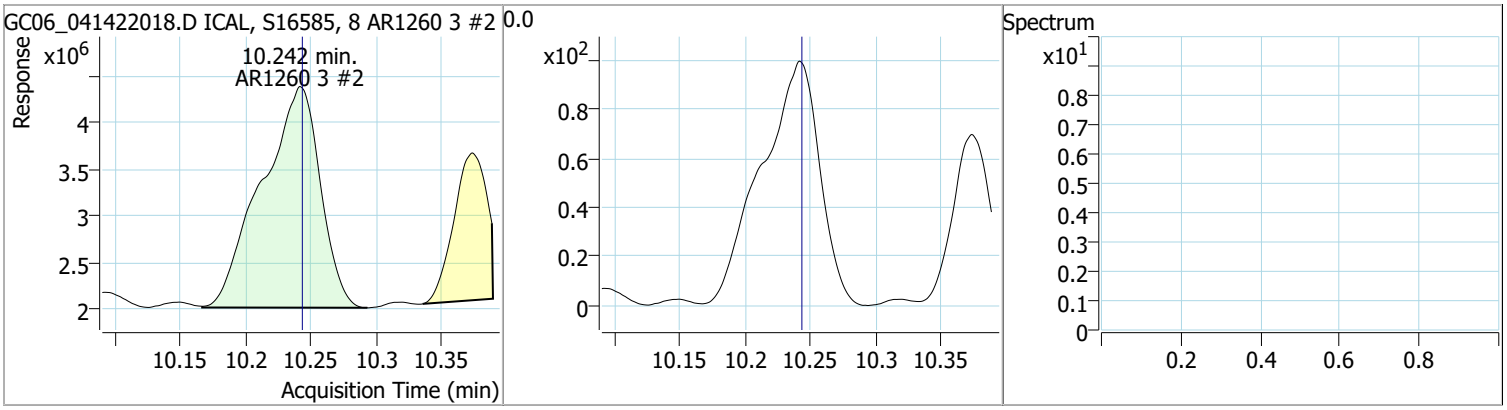
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	244.1450	9.65	0.00	5557383			



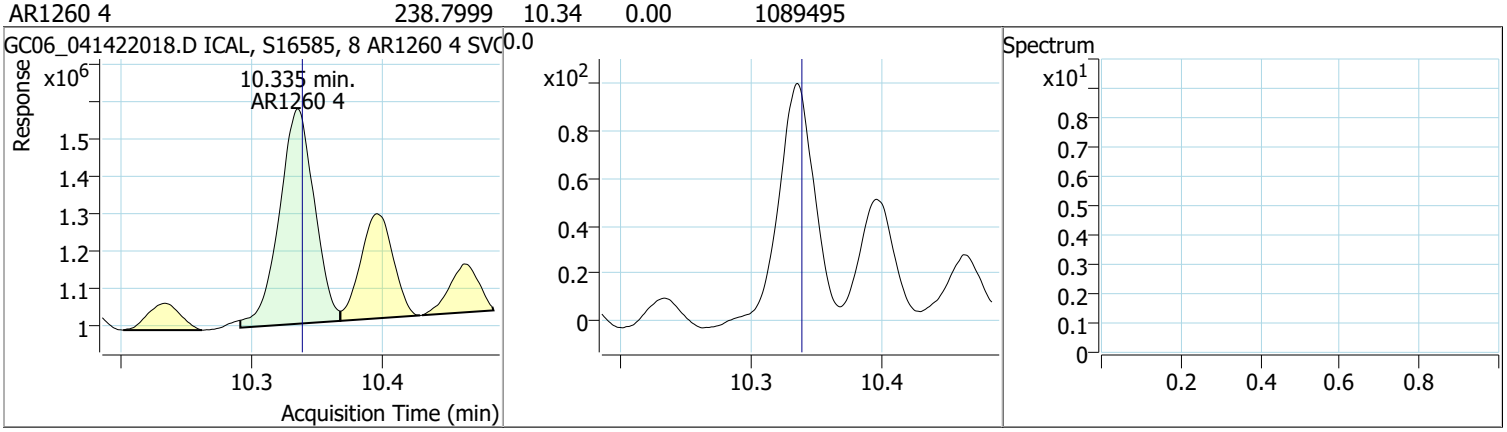
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	236.6001	9.76	0.00	2170500			



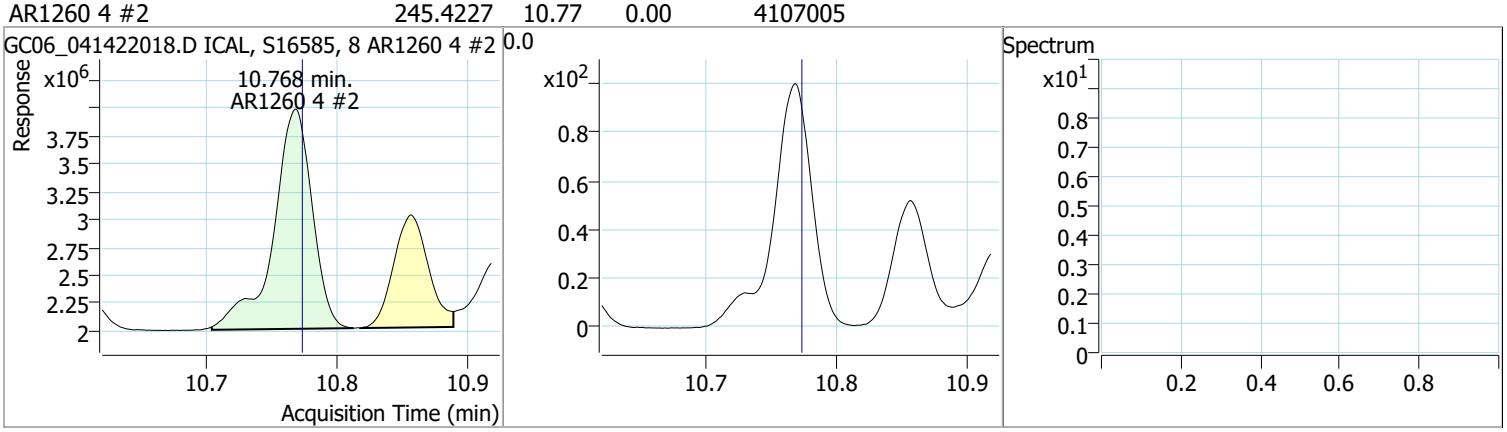
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	240.2026	10.24	0.00	7428428			



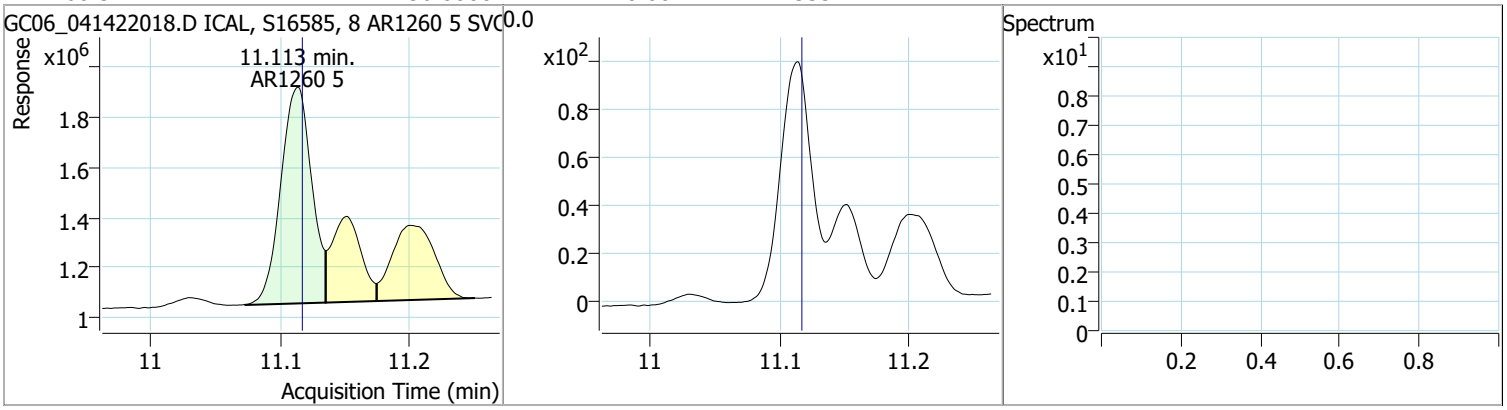
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	238.7999	10.34	0.00	1089495			



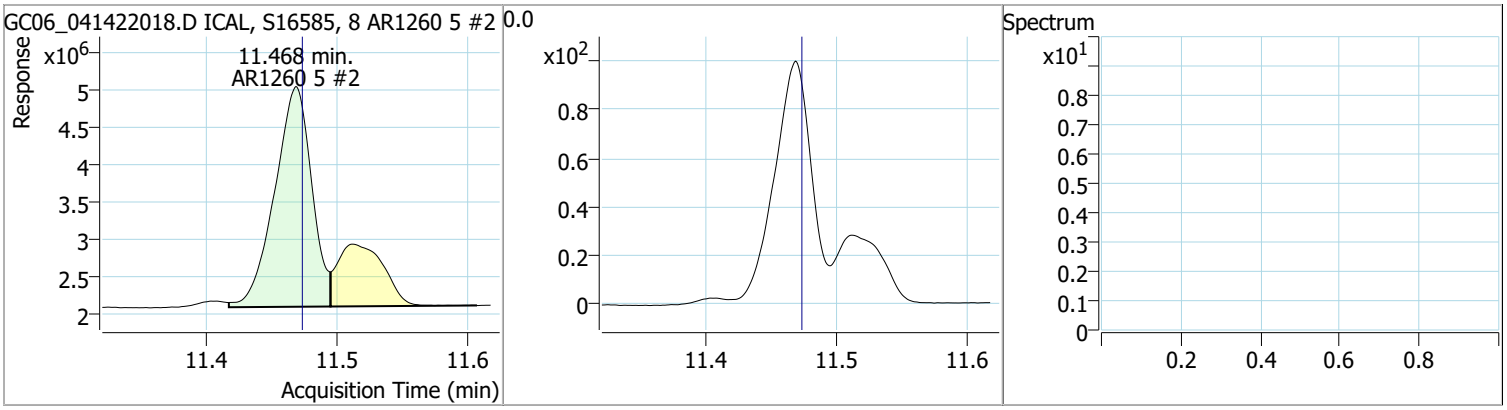
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	245.4227	10.77	0.00	4107005			



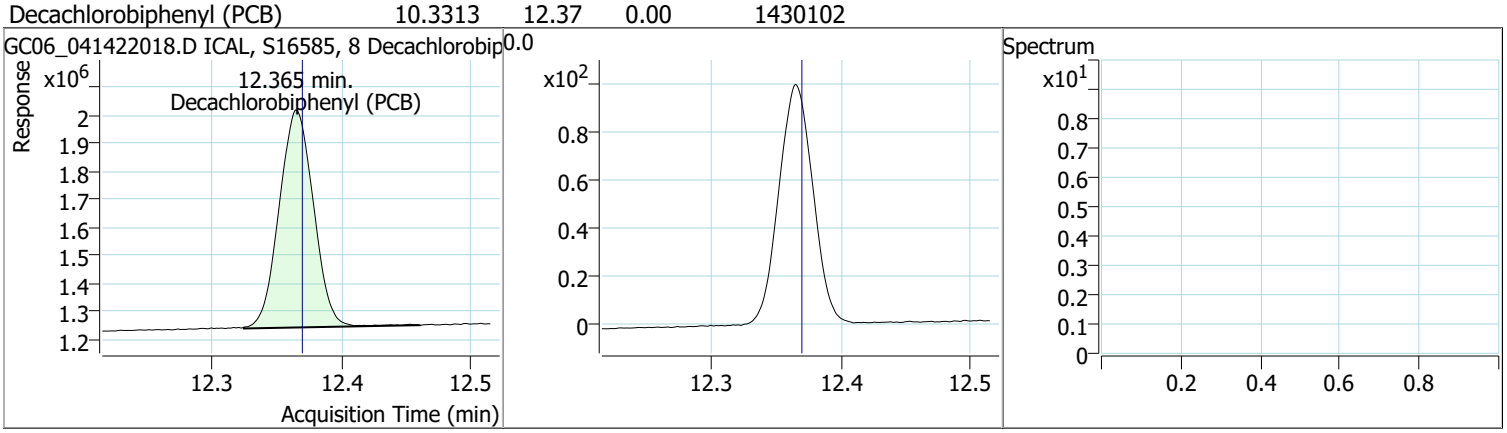
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	236.0800	11.11	0.00	1425557			



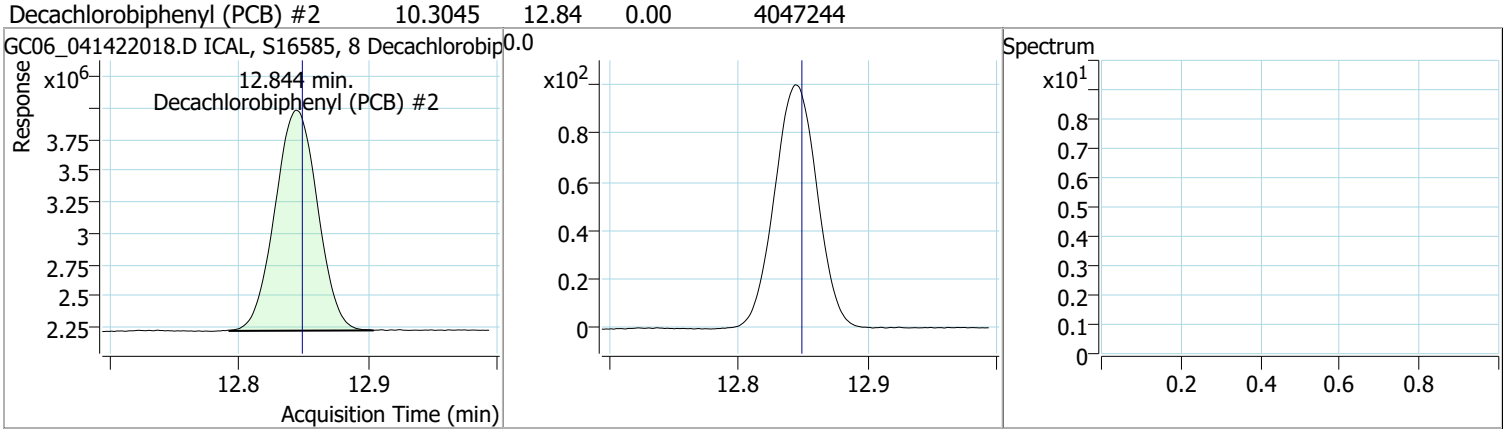
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	237.4541	11.47	0.00	5858491			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	10.3313	12.37	0.00	1430102			

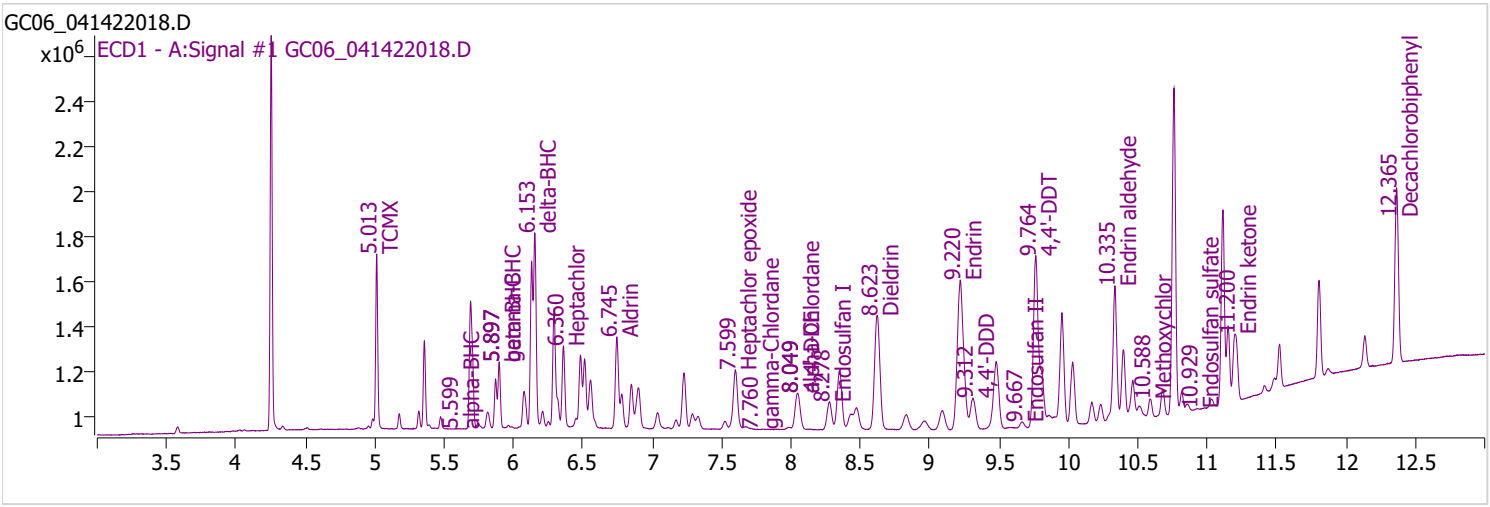


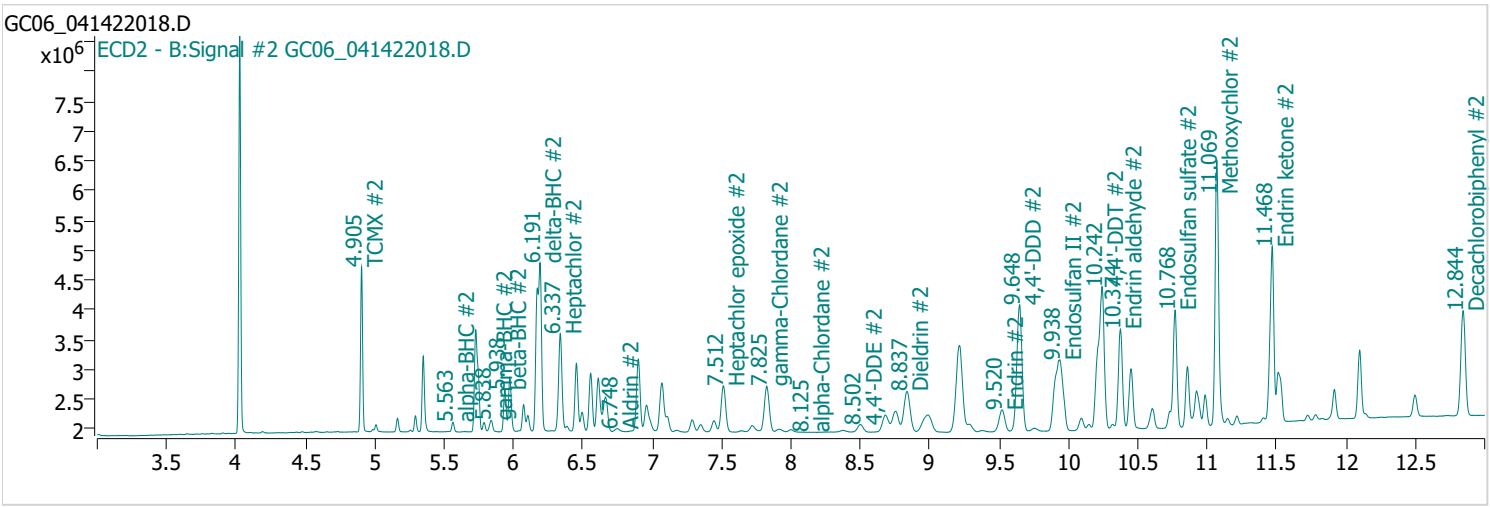
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	10.3045	12.84	0.00	4047244			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422018.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 7:33:59 PM
Sample Name	ICAL, S16585, 8	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 114	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 7:48:13 PM



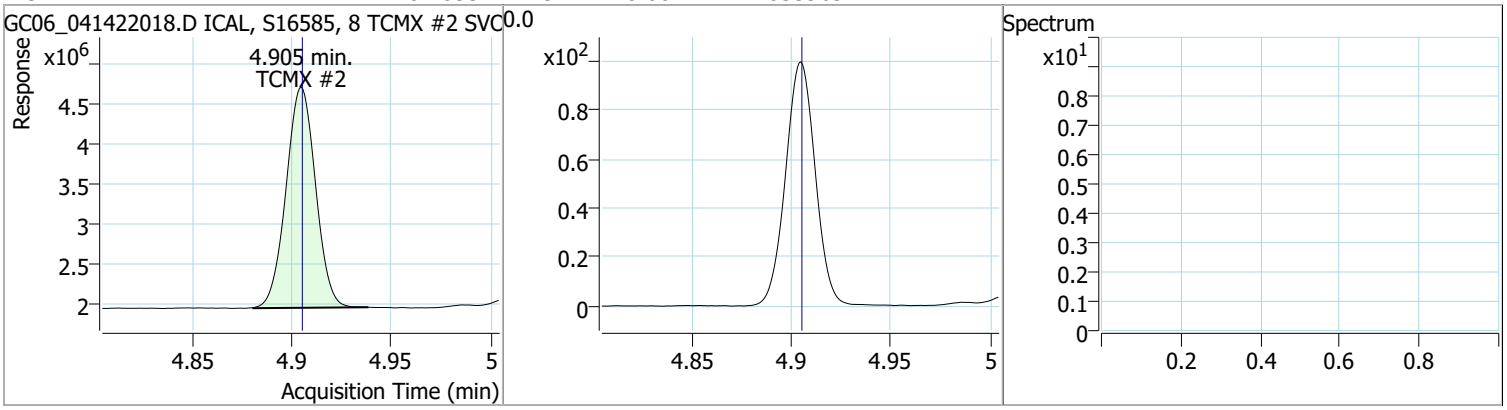


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.253	4.027	1810417	6499905	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.013	4.905	811346	2853969	9.746	10.206	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	48.73% *	51.03%	
S Decachlorobiphenyl	12.365	12.844	1415434	4046605	11.288	11.006	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	56.44%	55.03%	
Target Compounds							
T alpha-BHC	5.599	5.563 f	2285	173751	0.032	0.648 #	ng/ml
T gamma-BHC	5.897	5.838	352956	272025	4.384	1.003 #	ng/ml
T beta-BHC	5.897	5.938	353220	900456	8.858	5.866 #	ng/ml
T delta-BHC	6.153	6.191	1121361	7054070	10.720	14.459 #	ng/ml
T Heptachlor	6.360	6.337	440891	2815494	5.236	8.001 #	ng/ml
T Aldrin	6.745	6.748	654490	109610	7.342	0.384 #	ng/ml
T Heptachlor epoxide	7.599	7.512	560065	1627819	6.496	5.561	ng/ml
T gamma-Chlordane	7.760	7.825	651	1822297	0.009	5.746 #	ng/ml
T alpha-Chlordane	8.049	8.125	258648	870	3.630	0.004 #	ng/ml

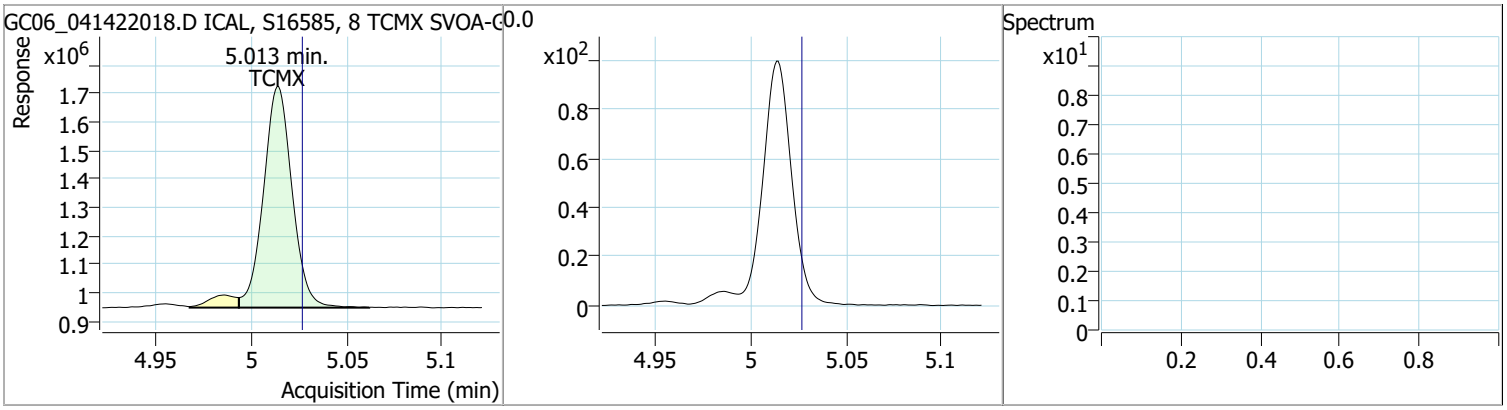
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.278	----	285063	0	4.254	N.D. #	ng/ml
T 4,4'-DDE	8.049	8.502 f	389107	323971	5.551	1.490 #	ng/ml
T Dieldrin	8.623	8.837	1377278	1442884	15.328	5.586 #	ng/ml
T Endrin	9.220	9.520	1953611	1048602	21.017	4.585 #	ng/ml
T 4,4'-DDD	9.312	9.648 f	210064	5022109	4.090	23.303 #	ng/ml
T Endosulfan II	9.667	9.938 f	53210	5247074	0.793	17.297 #	ng/ml
T 4,4'-DDT	9.764	10.242	1994739	7377662	28.536	21.922	ng/ml
T Endrin aldehyde	10.335	10.374	1010553	3311917	16.345	15.129	ng/ml
T Endosulfan sulfate	10.929	10.768	5056	4111671	0.086	16.211 #	ng/ml
T Methoxychlor	10.588	11.069 f	124996	7954126	3.462	54.575 #	ng/ml
T Endrin ketone	11.200	11.468 f	533254	5227834	6.654	15.923 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

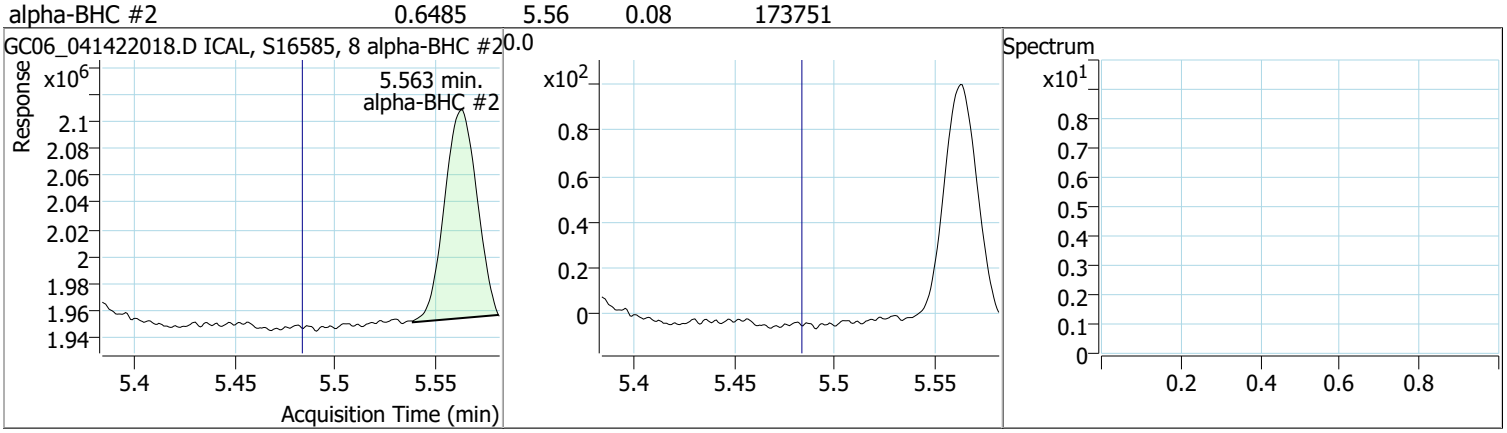
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	10.2055	4.91	0.00	2853969			



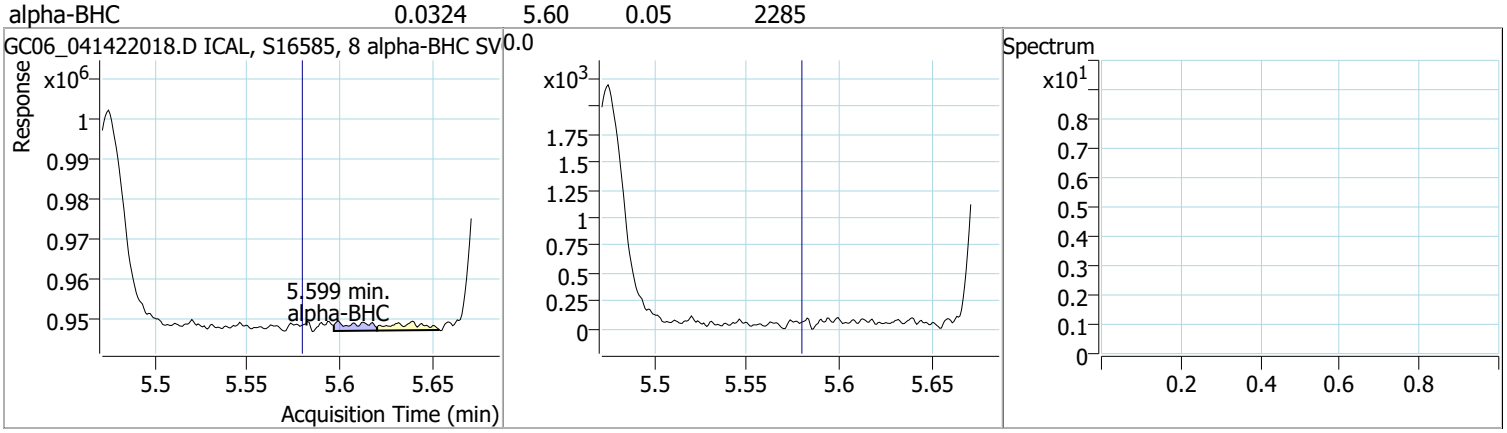
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	9.7457	5.01	0.02	811346			



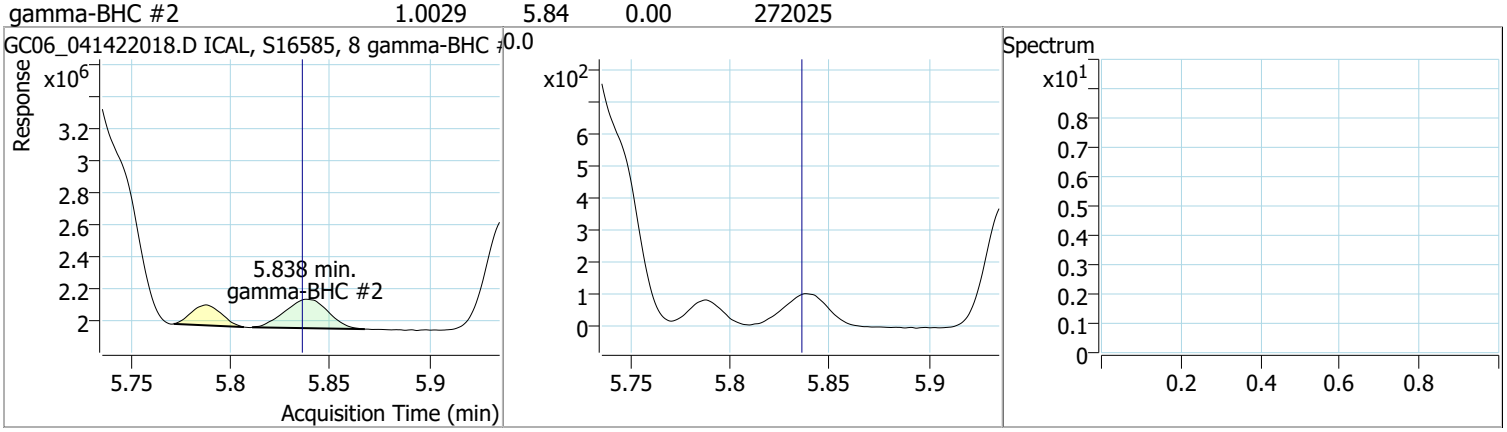
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	0.6485	5.56	0.08	173751			



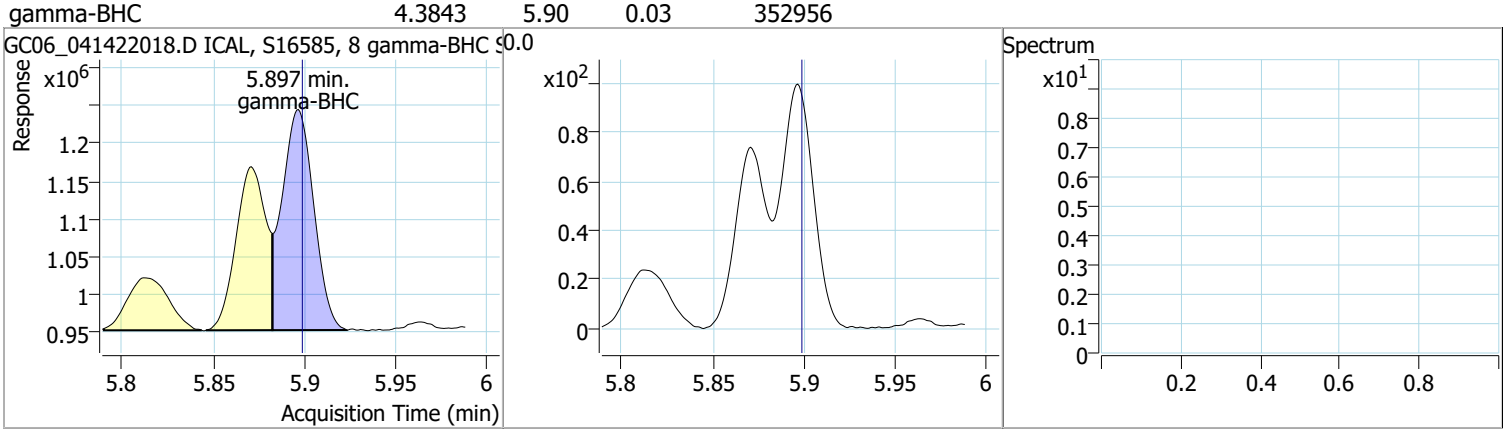
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC	0.0324	5.60	0.05	2285			



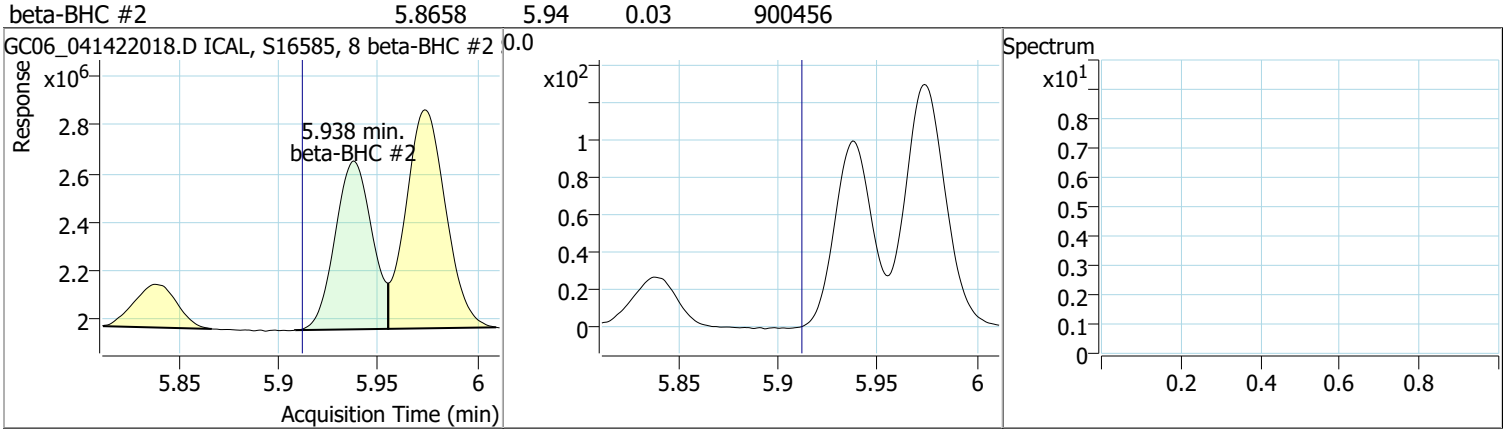
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	1.0029	5.84	0.00	272025			



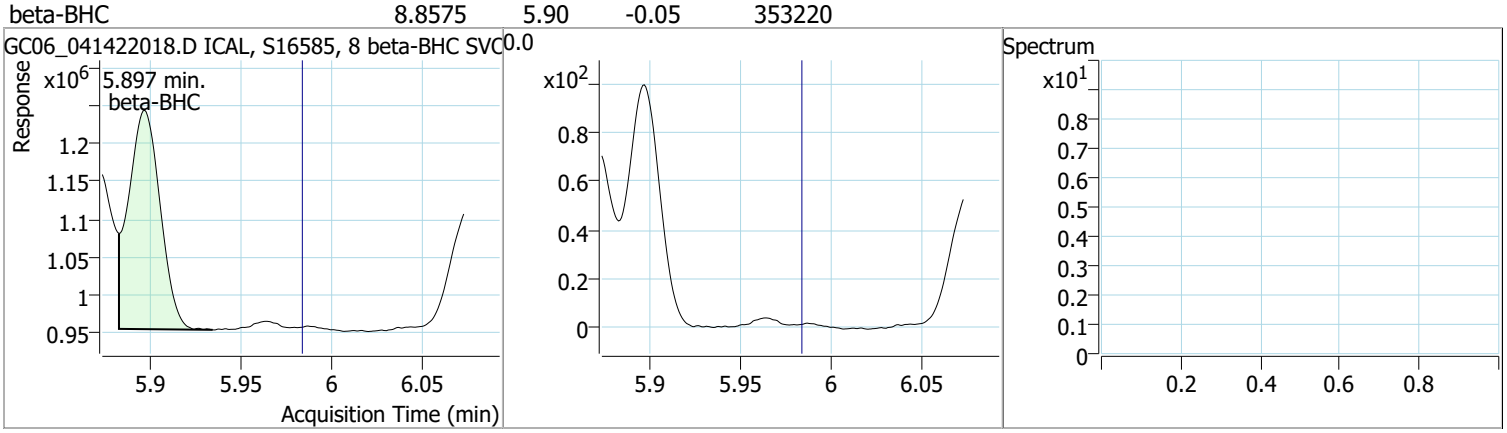
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	4.3843	5.90	0.03	352956			



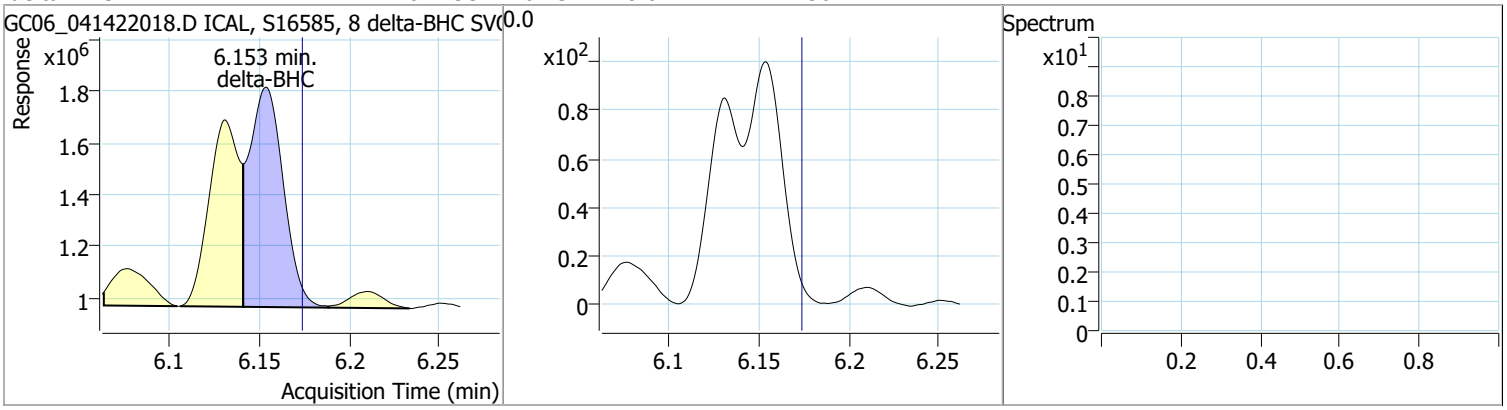
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	5.8658	5.94	0.03	900456			



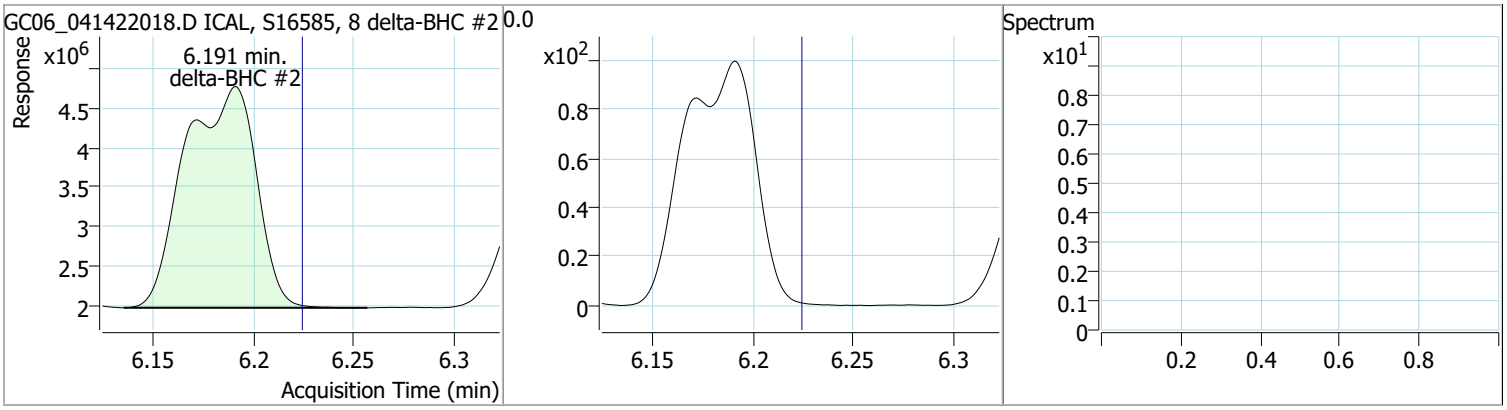
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	8.8575	5.90	-0.05	353220			



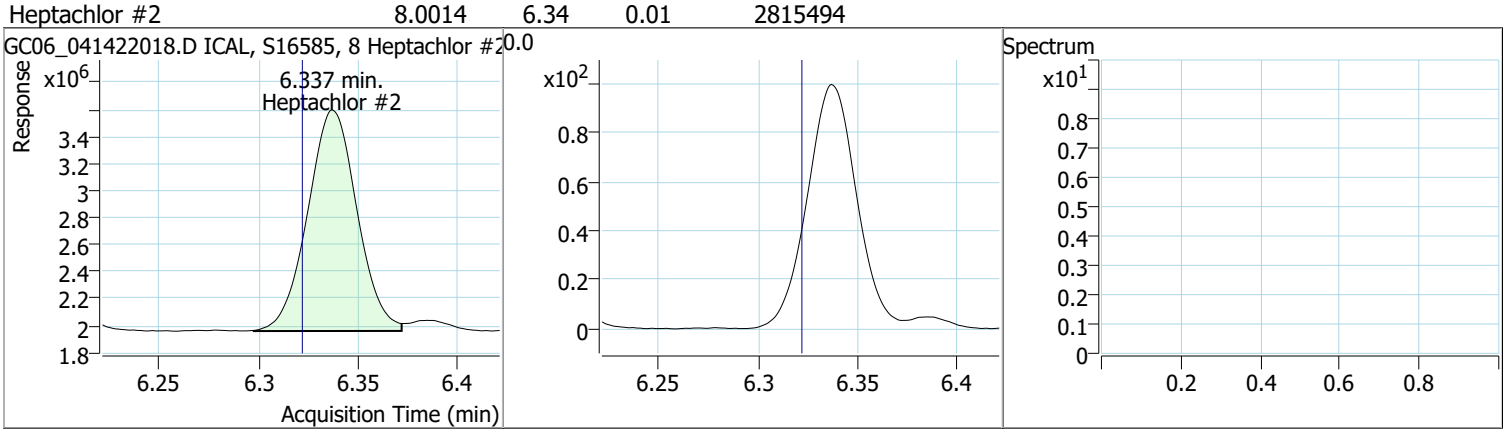
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	10.7195	6.15	0.01	1121361			



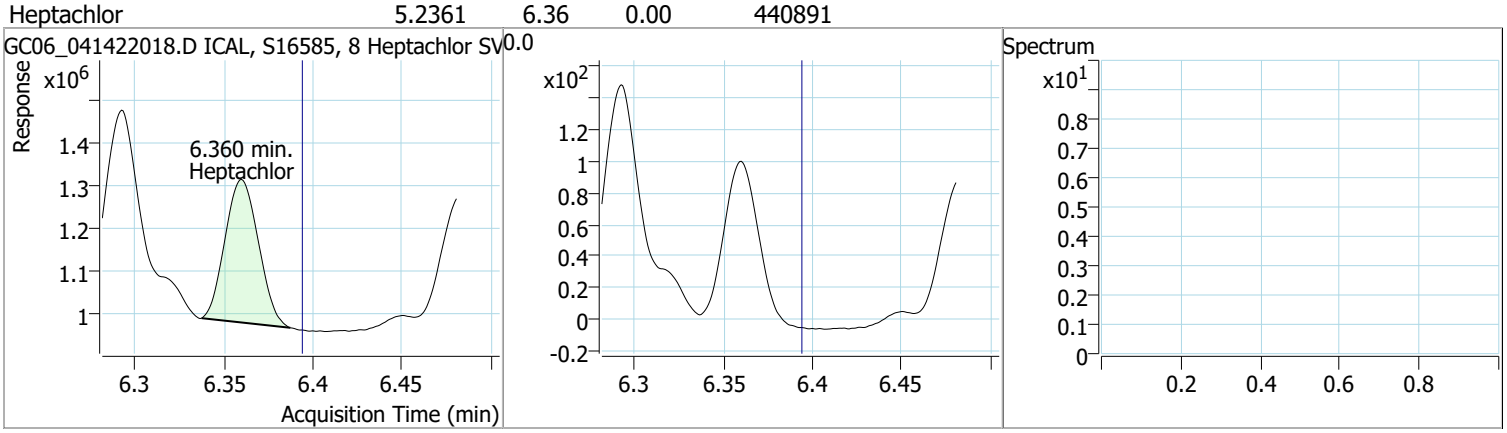
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	14.4595	6.19	-0.03	7054070			



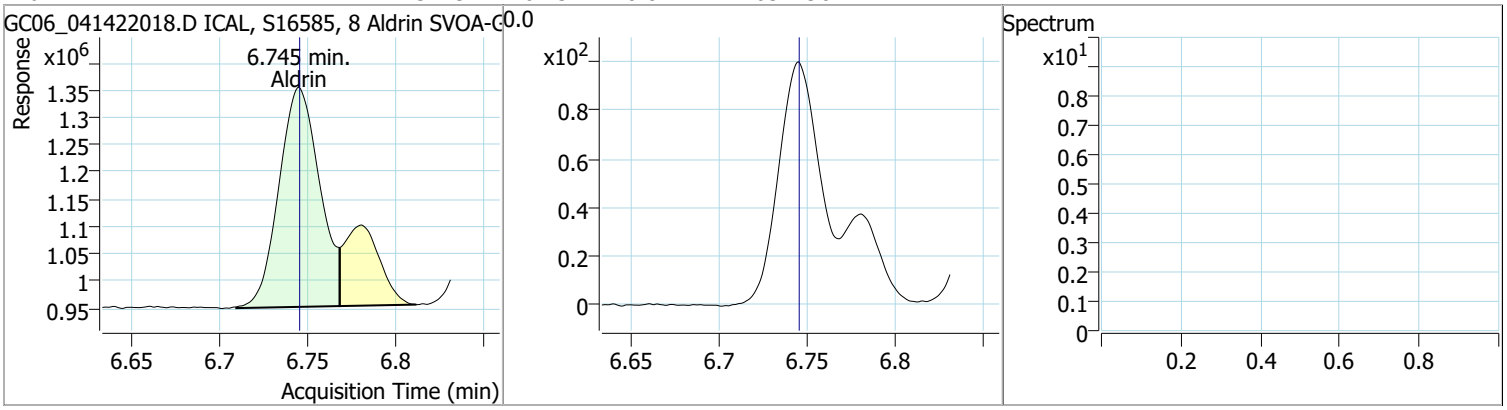
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	8.0014	6.34	0.01	2815494			



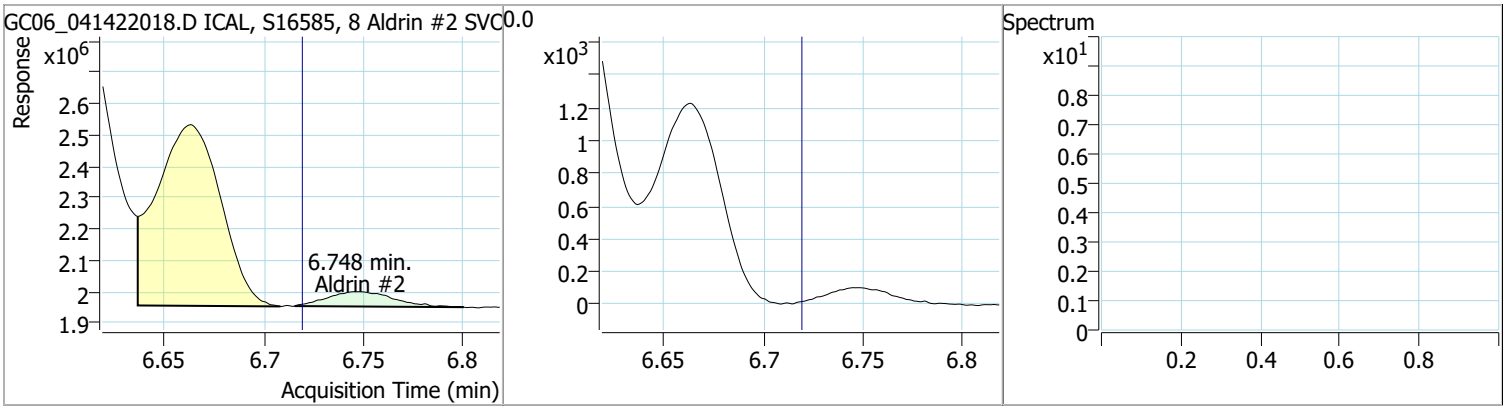
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	5.2361	6.36	0.00	440891			



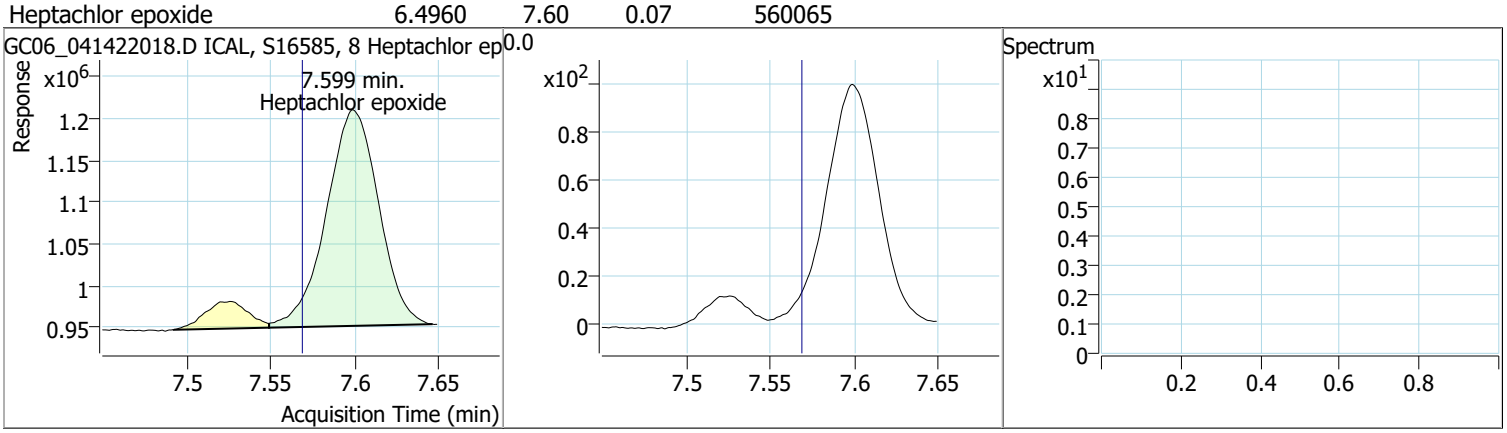
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	7.3425	6.75	0.04	654490			



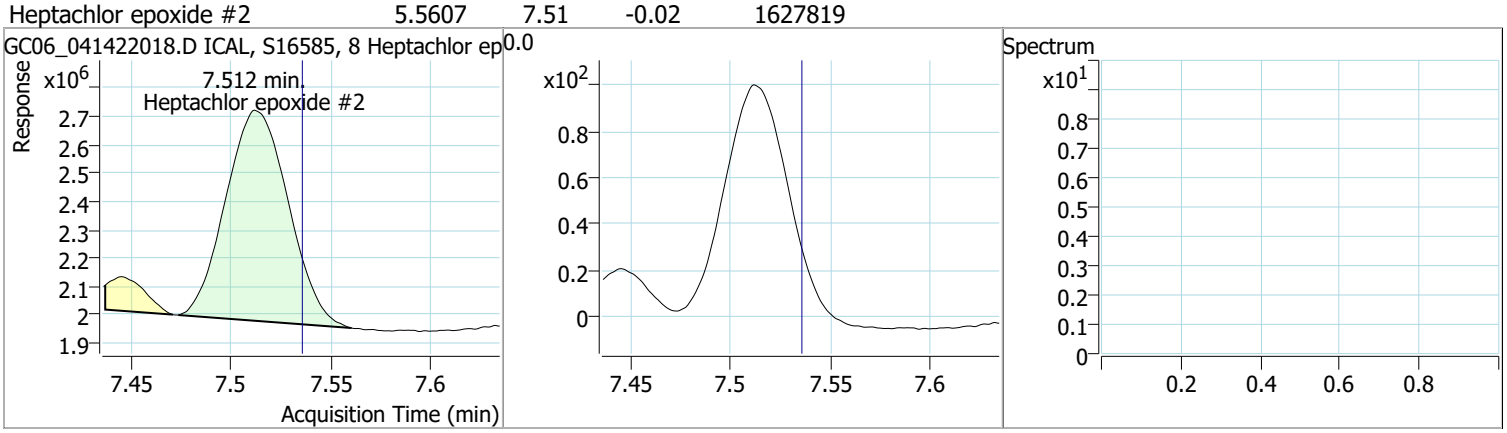
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	0.3838	6.75	0.03	109610			



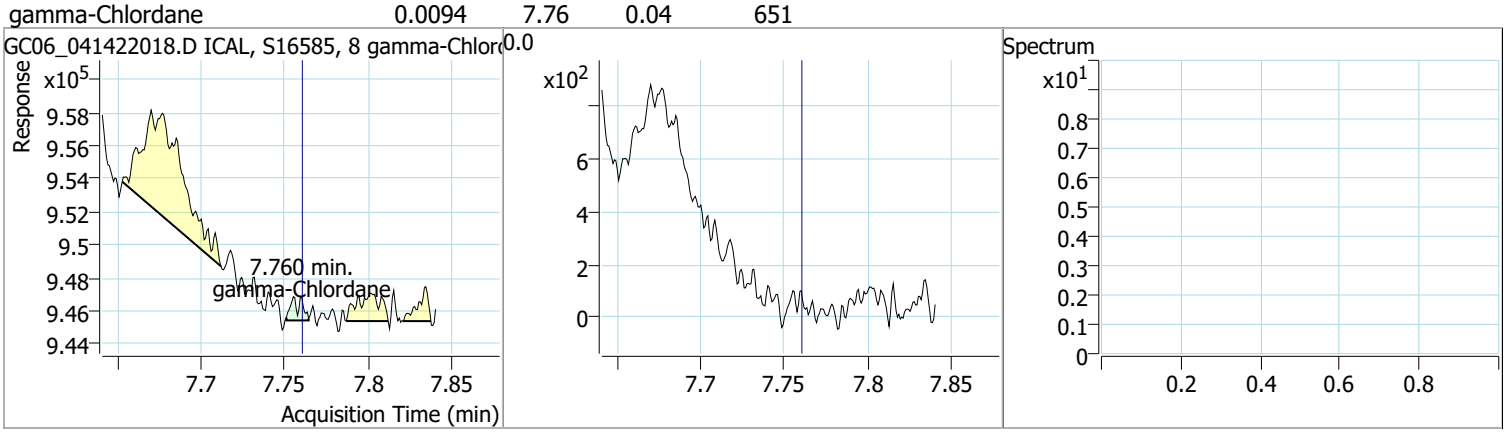
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	6.4960	7.60	0.07	560065			



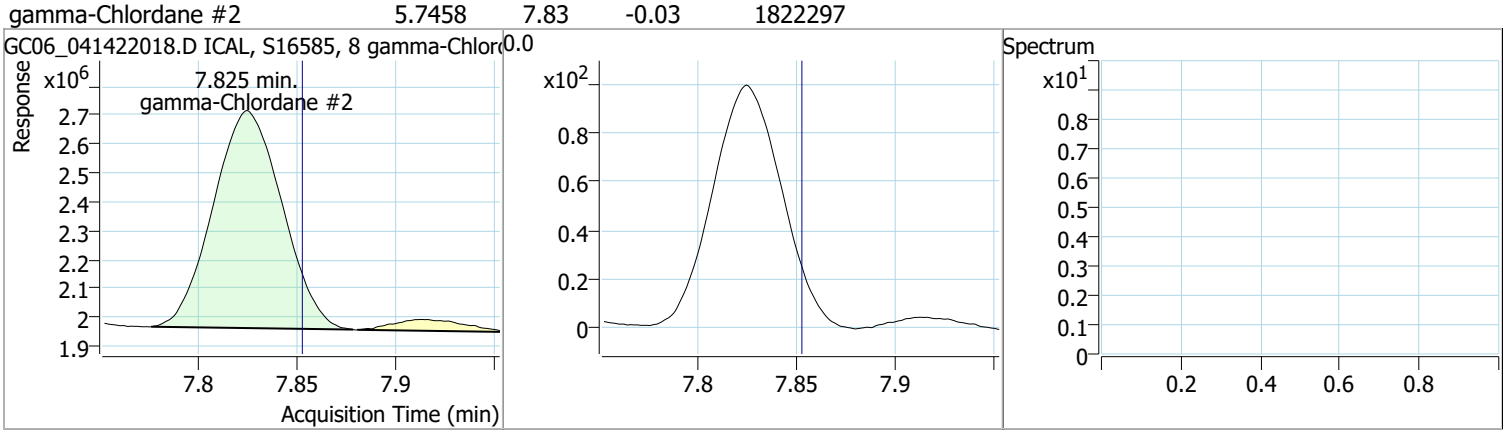
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	5.5607	7.51	-0.02	1627819			



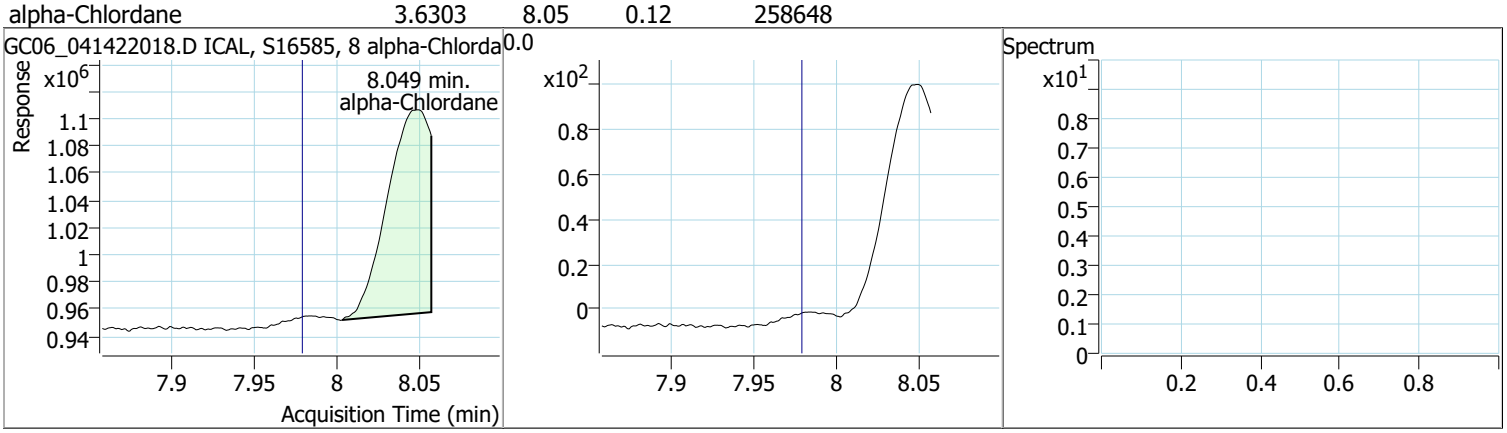
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.0094	7.76	0.04	651			



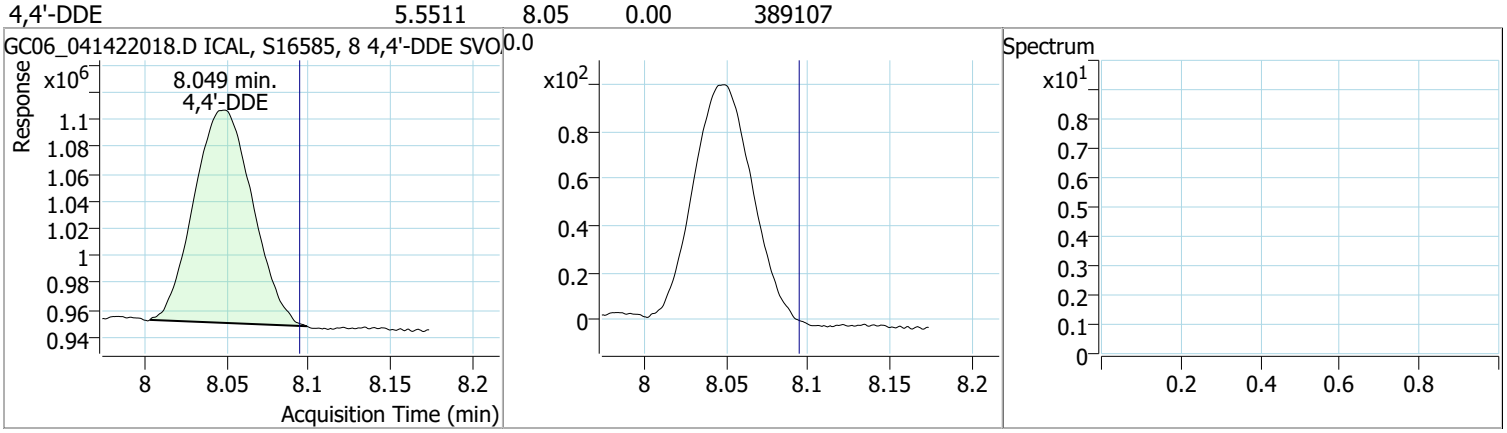
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	5.7458	7.83	-0.03	1822297			



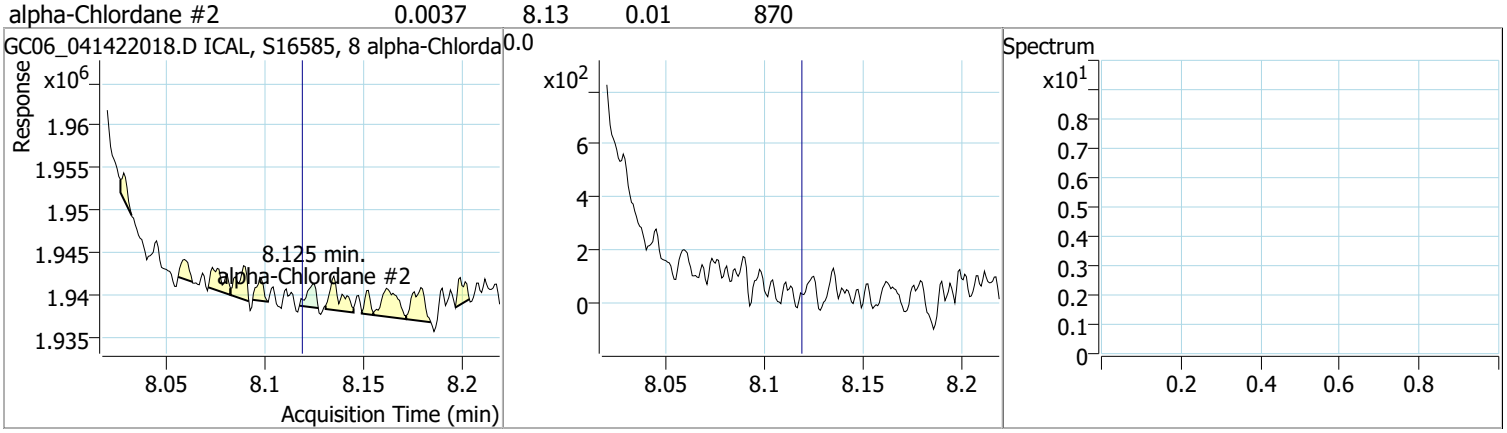
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	3.6303	8.05	0.12	258648			



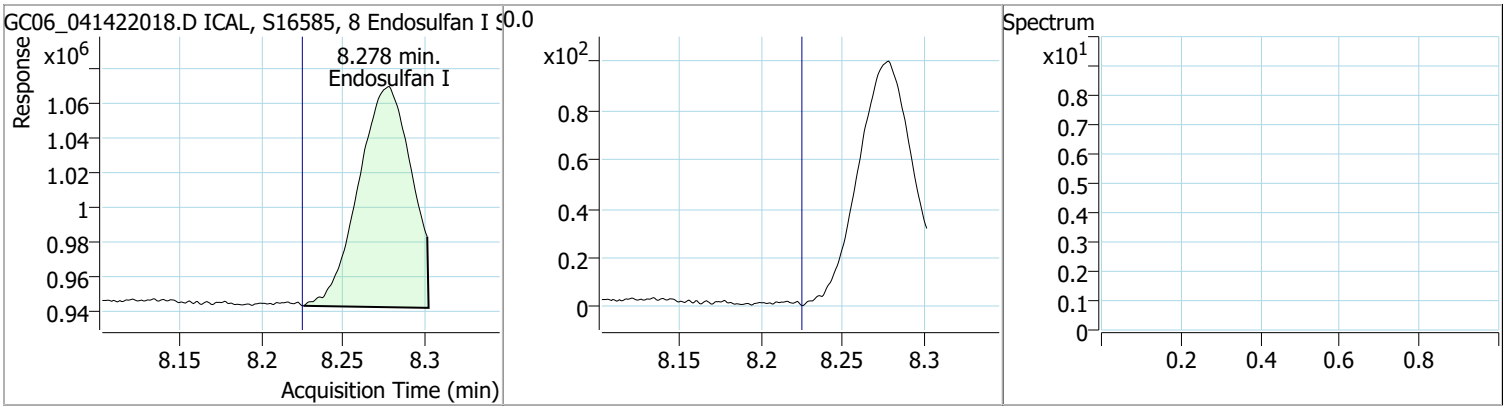
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	5.5511	8.05	0.00	389107			



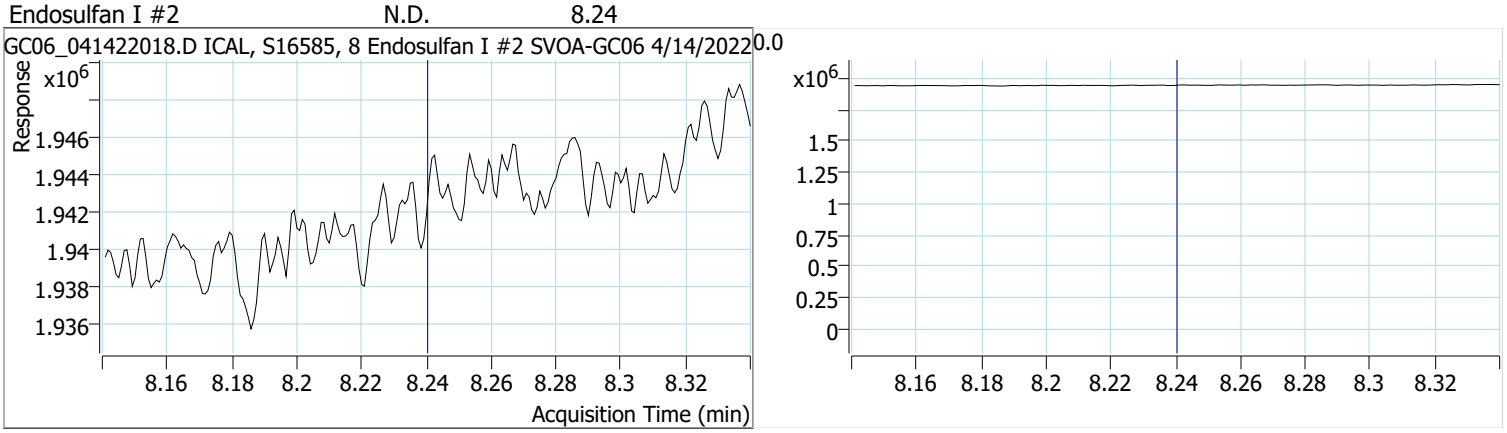
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane #2	0.0037	8.13	0.01	870			



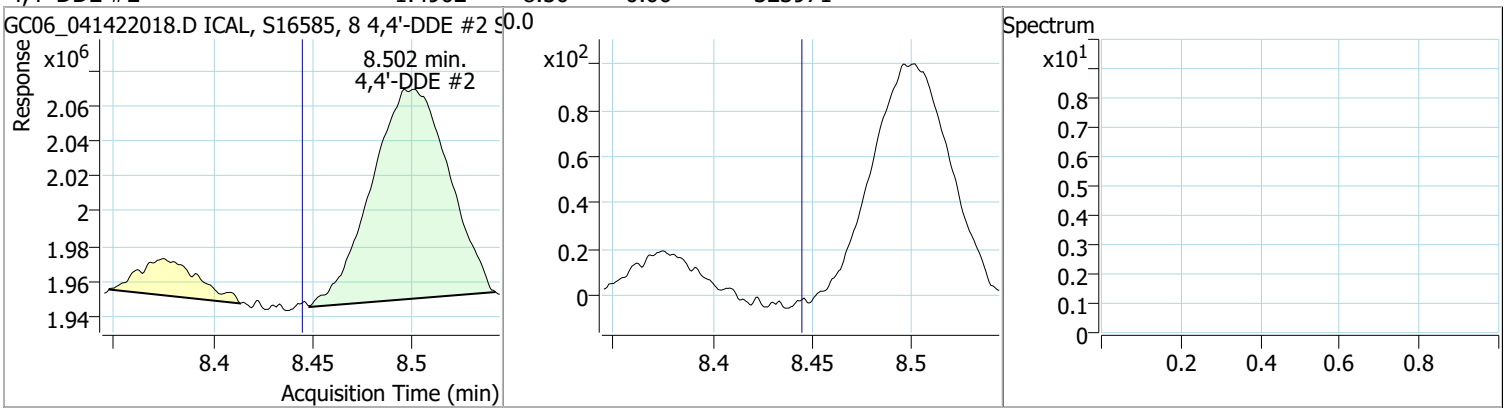
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	4.2544	8.28	0.10	285063			



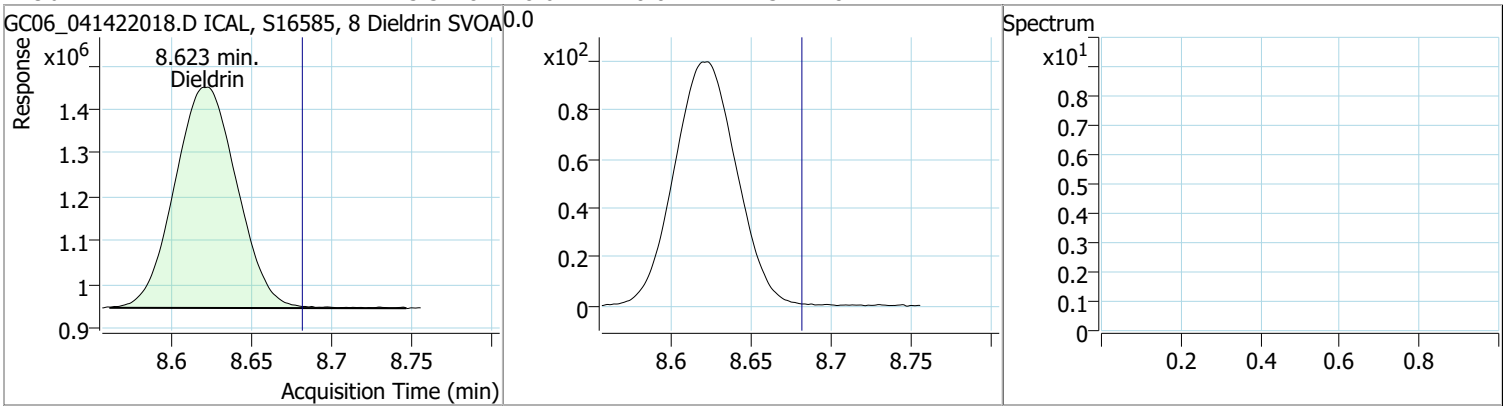
Compound	Conc.		Exp Ratio
Endosulfan I #2	N.D.	8.24	



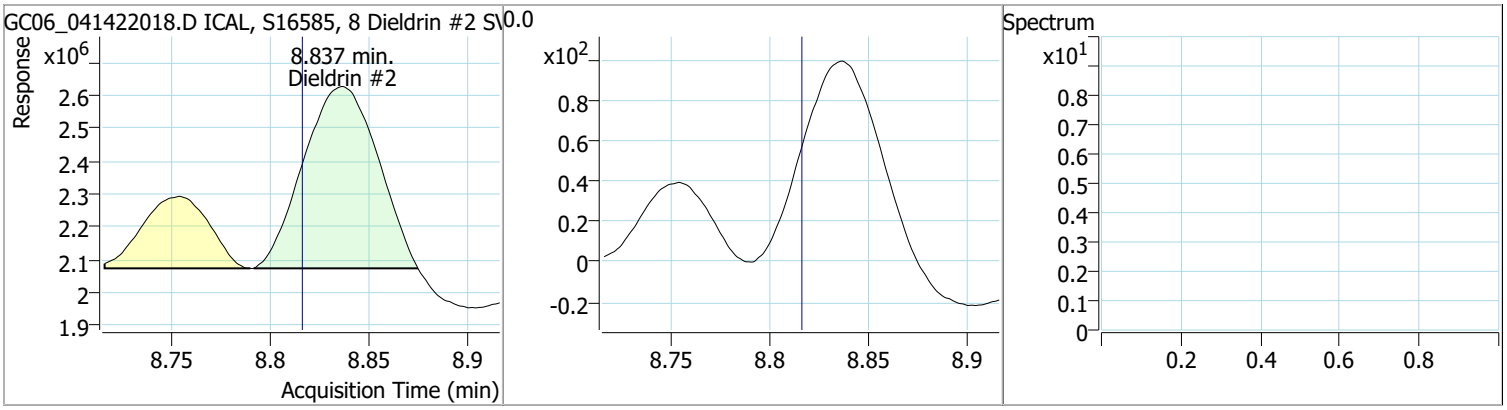
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	1.4902	8.50	0.06	323971			



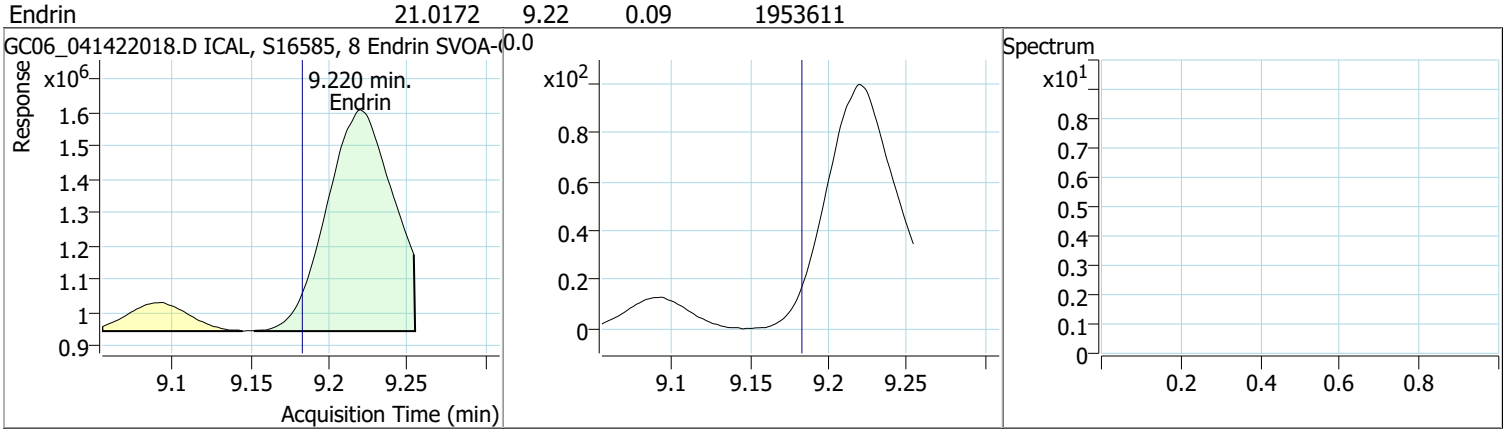
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin	15.3278	8.62	-0.01	1377278			



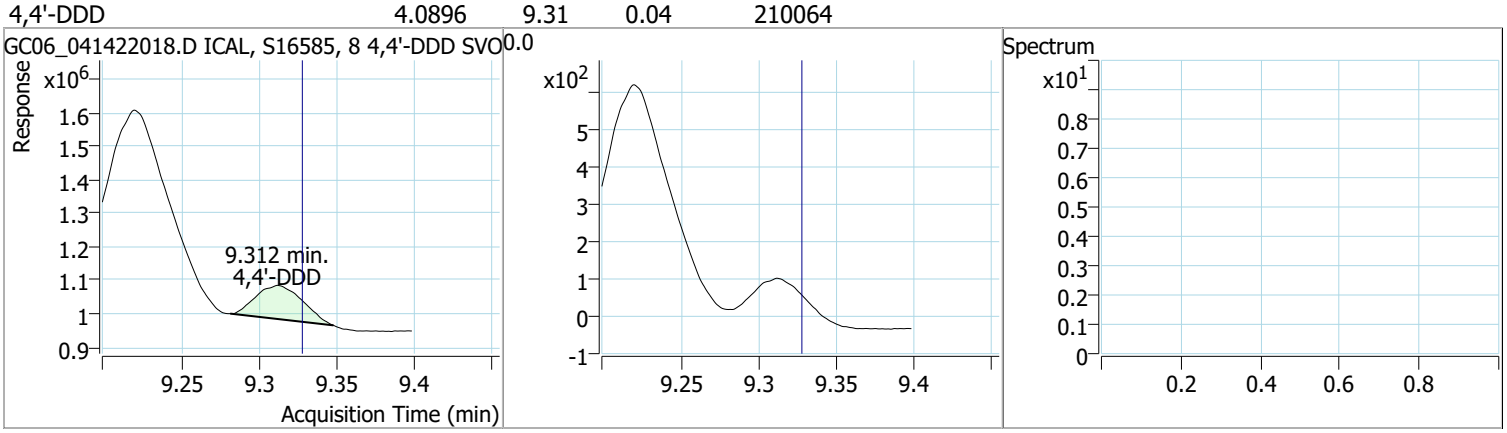
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	5.5858	8.84	0.02	1442884			



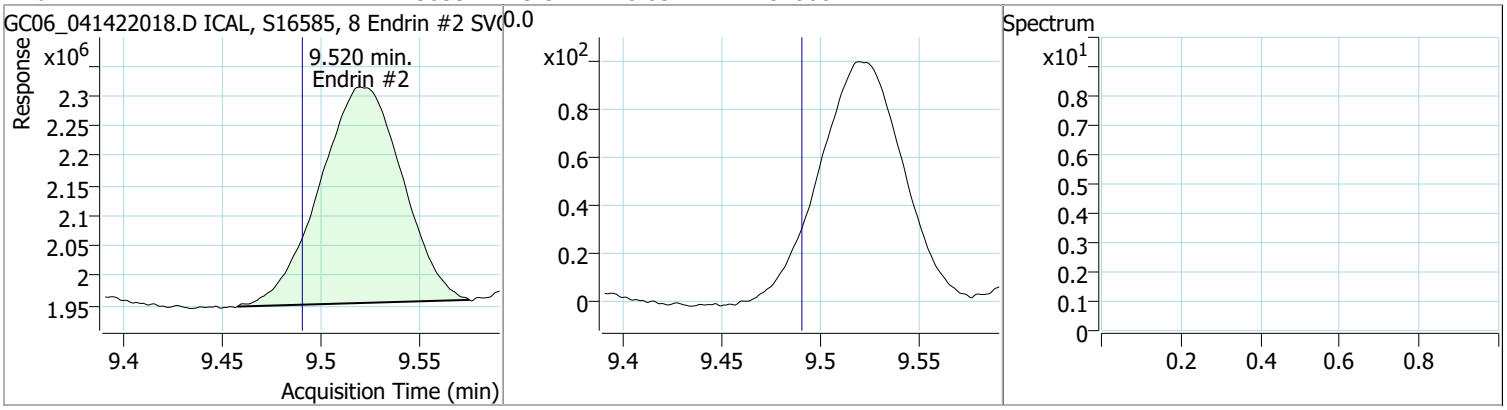
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin	21.0172	9.22	0.09	1953611			



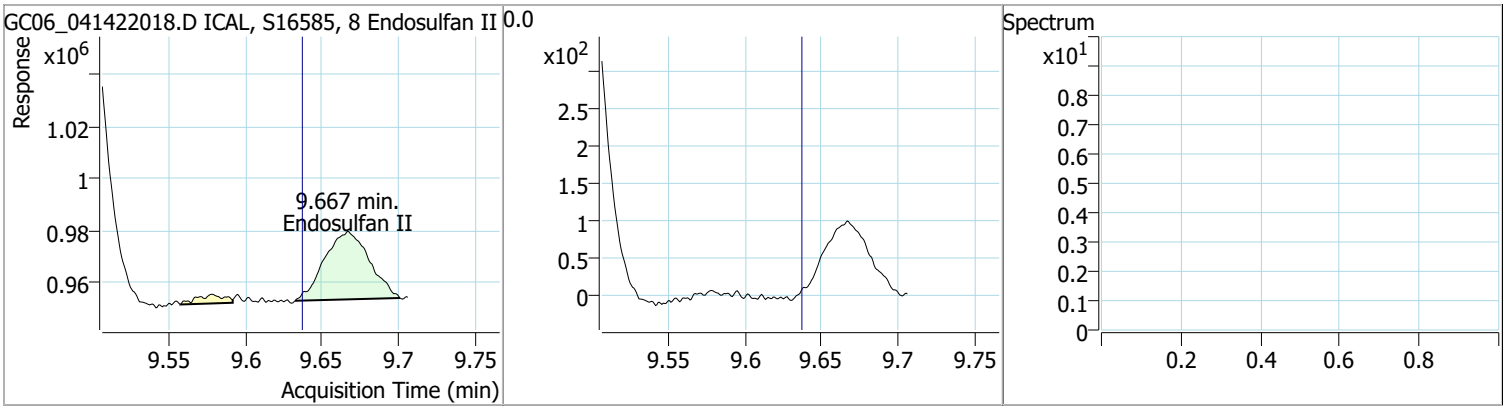
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	4.0896	9.31	0.04	210064			



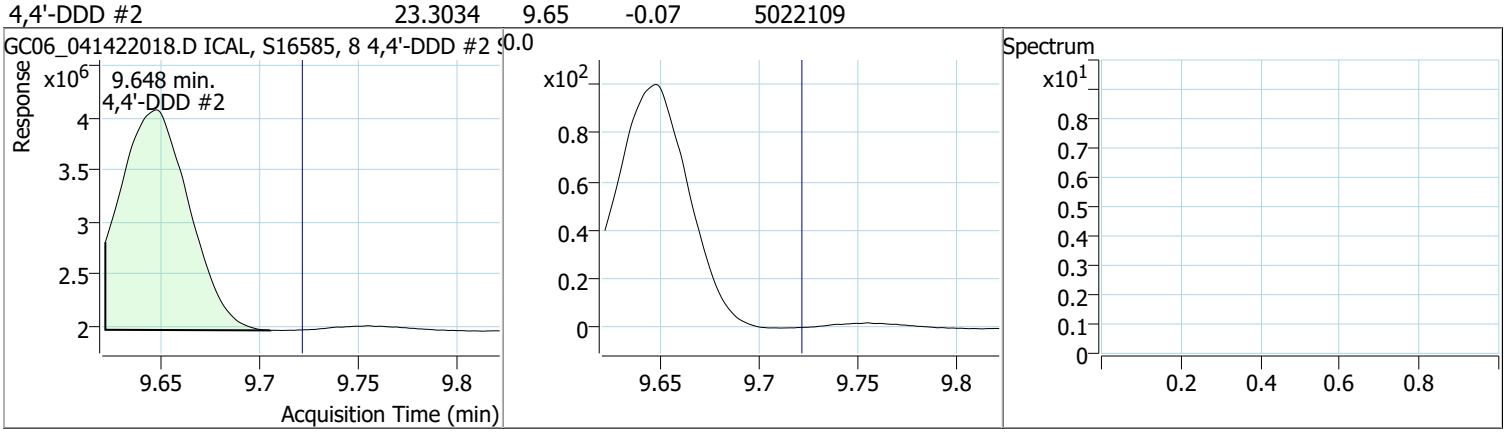
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin #2	4.5855	9.52	0.03	1048602			



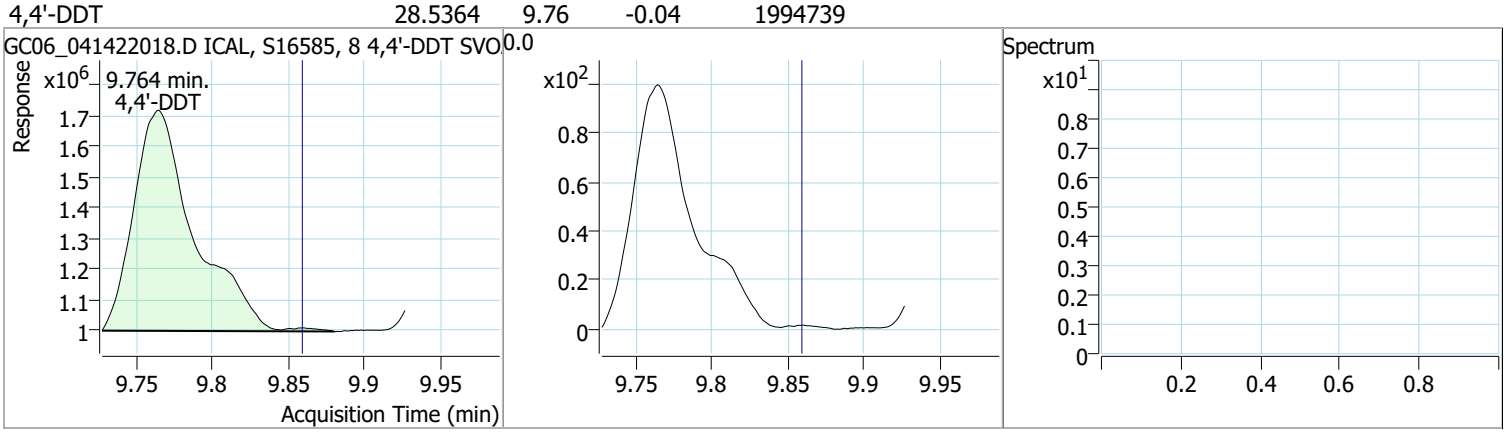
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II	0.7928	9.67	0.08	53210			



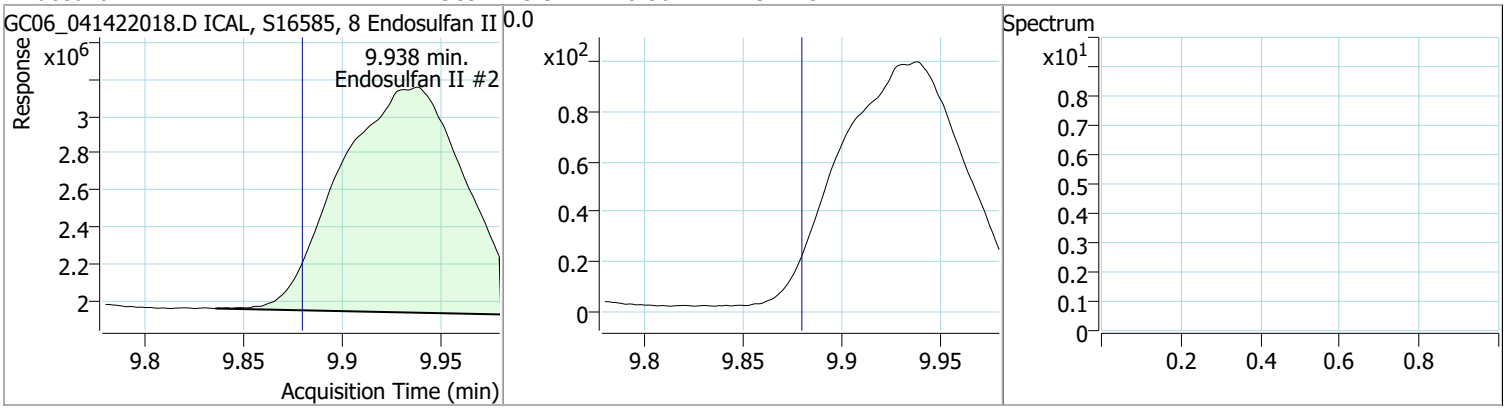
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	23.3034	9.65	-0.07	5022109			



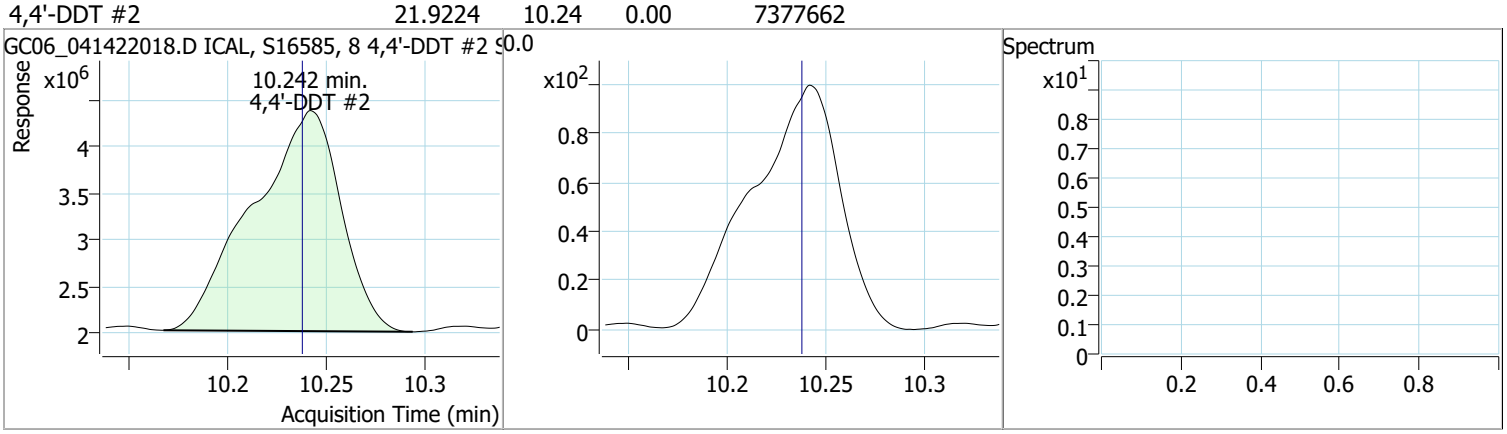
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	28.5364	9.76	-0.04	1994739			



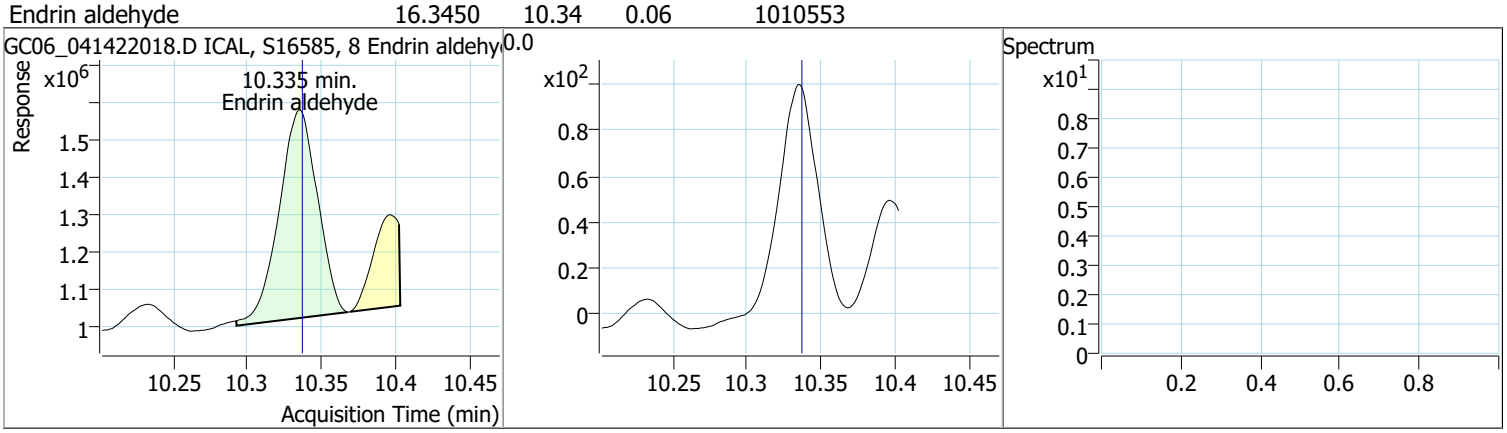
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	17.2969	9.94	0.06	5247074			



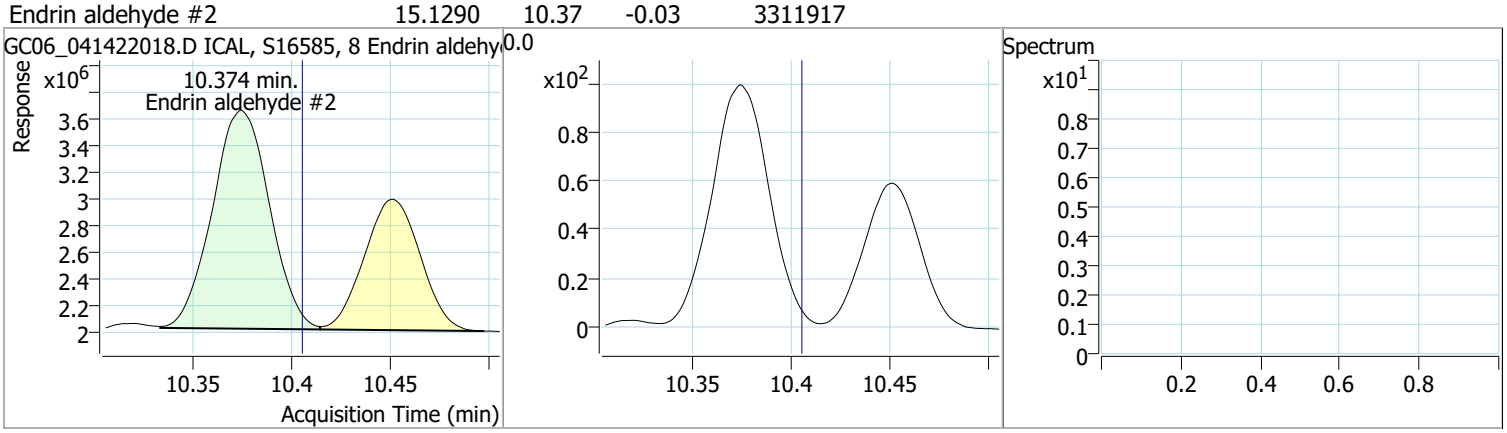
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	21.9224	10.24	0.00	7377662			



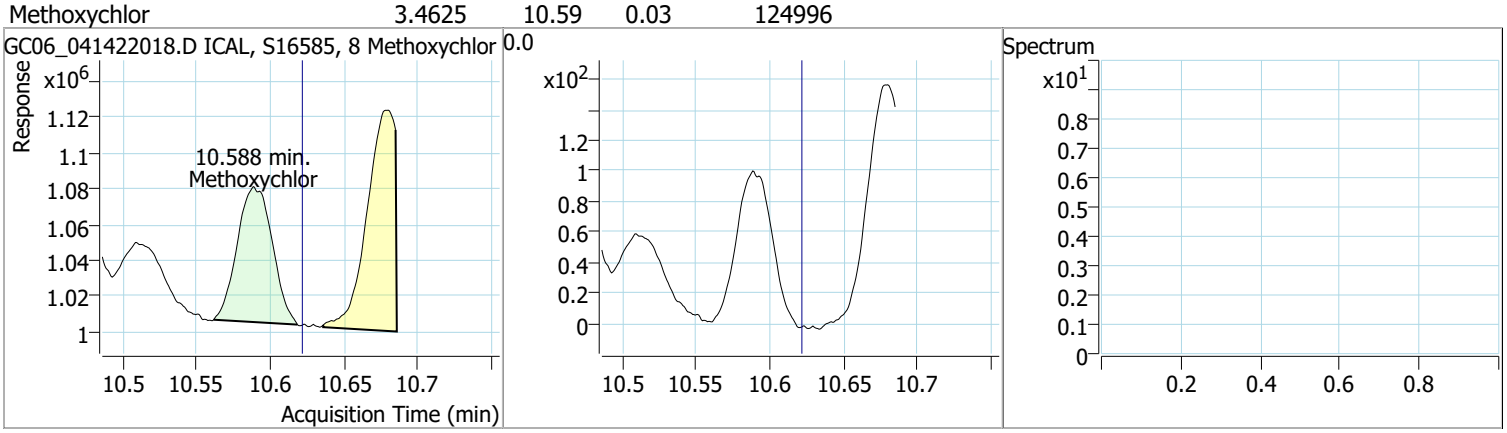
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	16.3450	10.34	0.06	1010553			



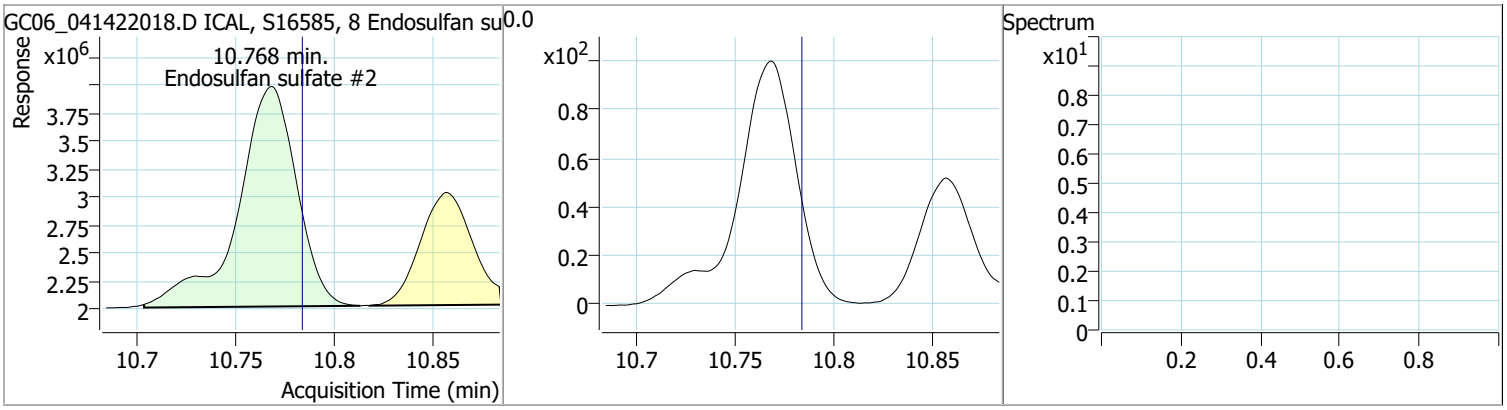
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	15.1290	10.37	-0.03	3311917			



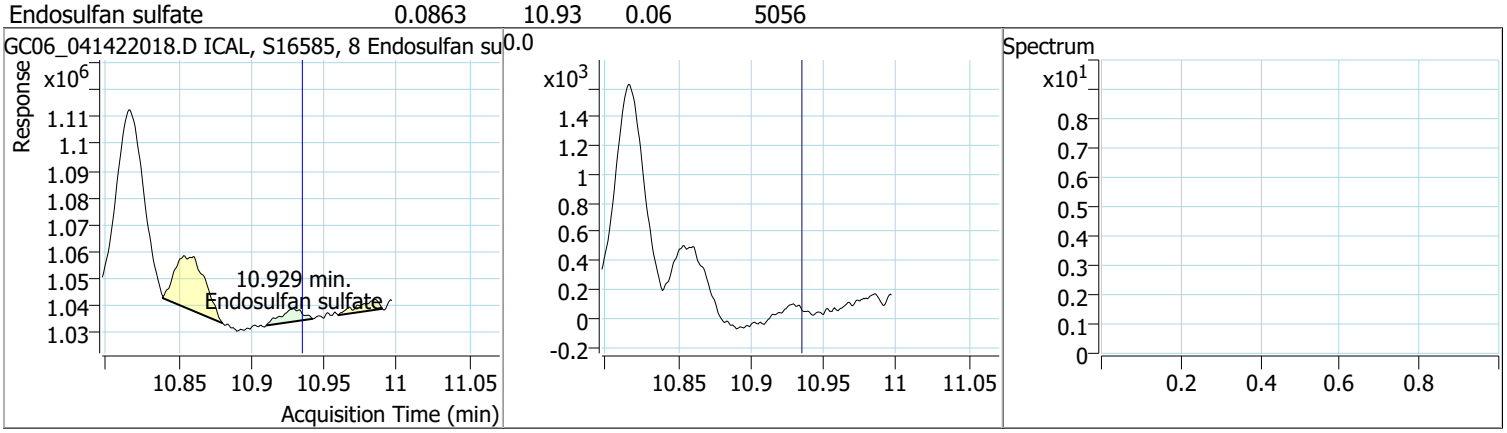
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	3.4625	10.59	0.03	124996			



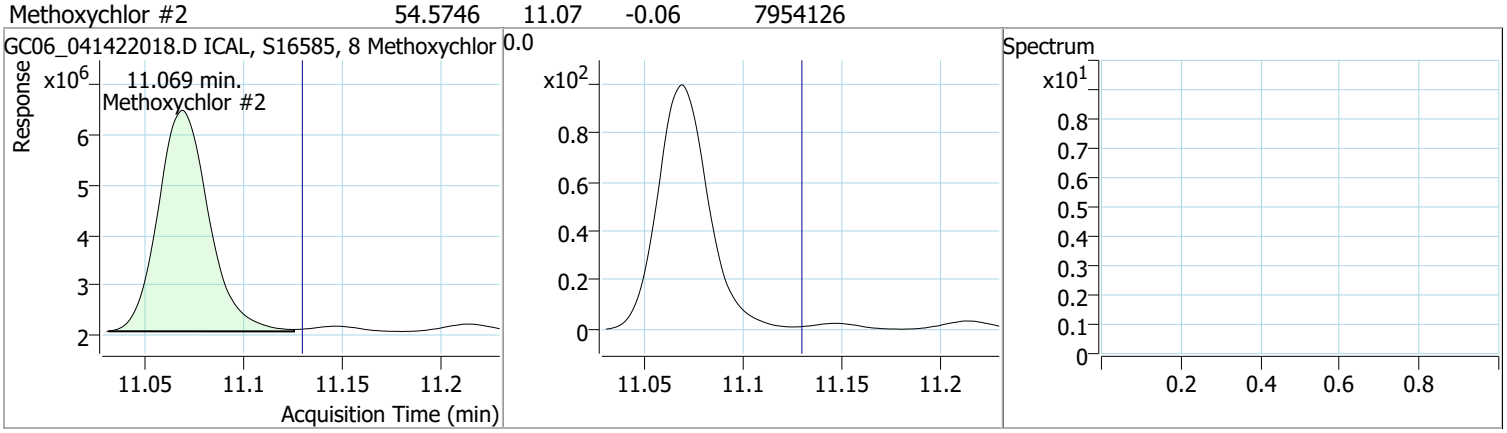
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	16.2109	10.77	-0.02	4111671			



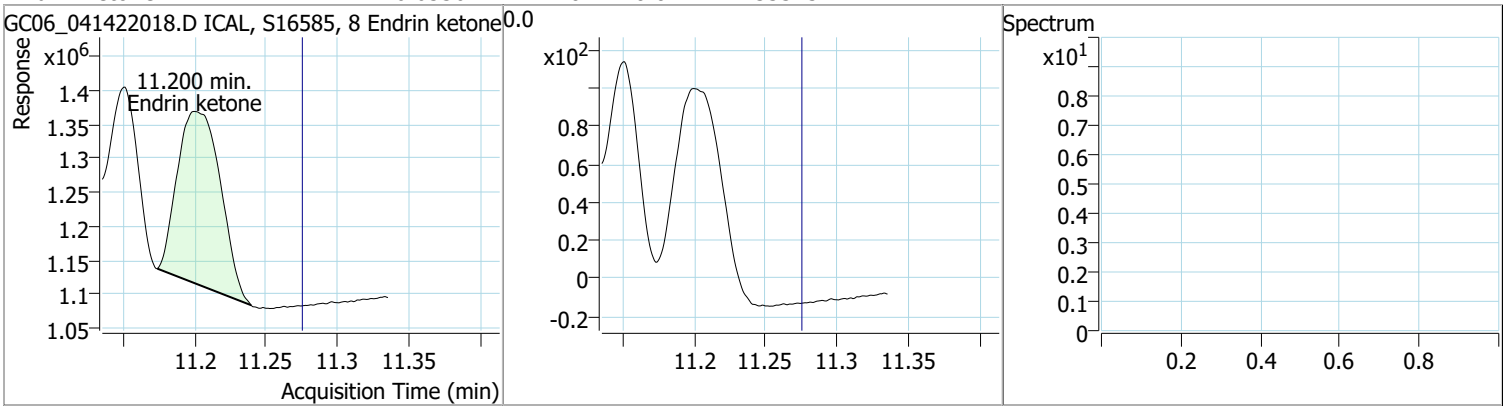
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	0.0863	10.93	0.06	5056			



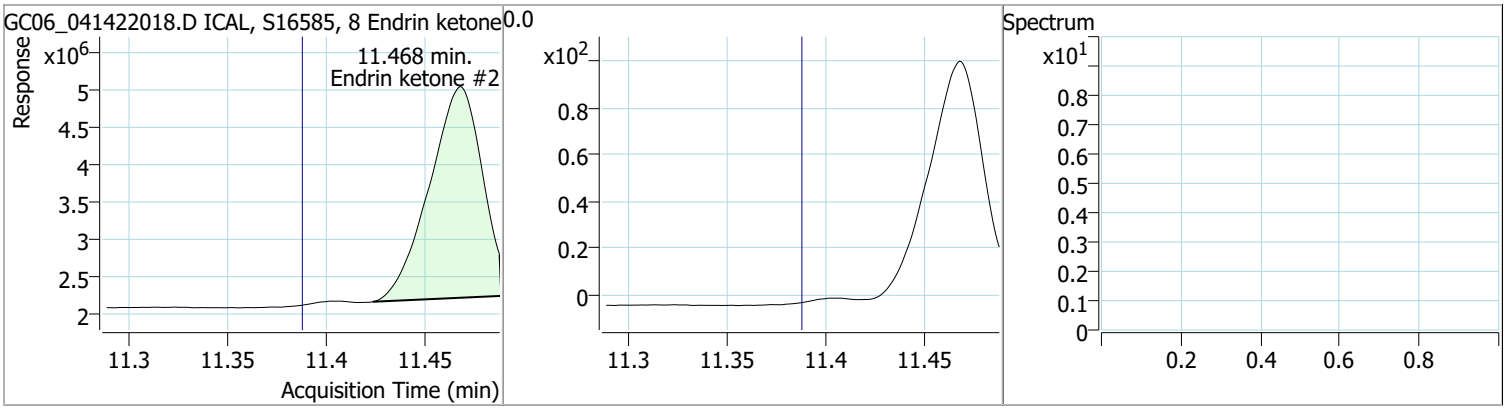
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	54.5746	11.07	-0.06	7954126			



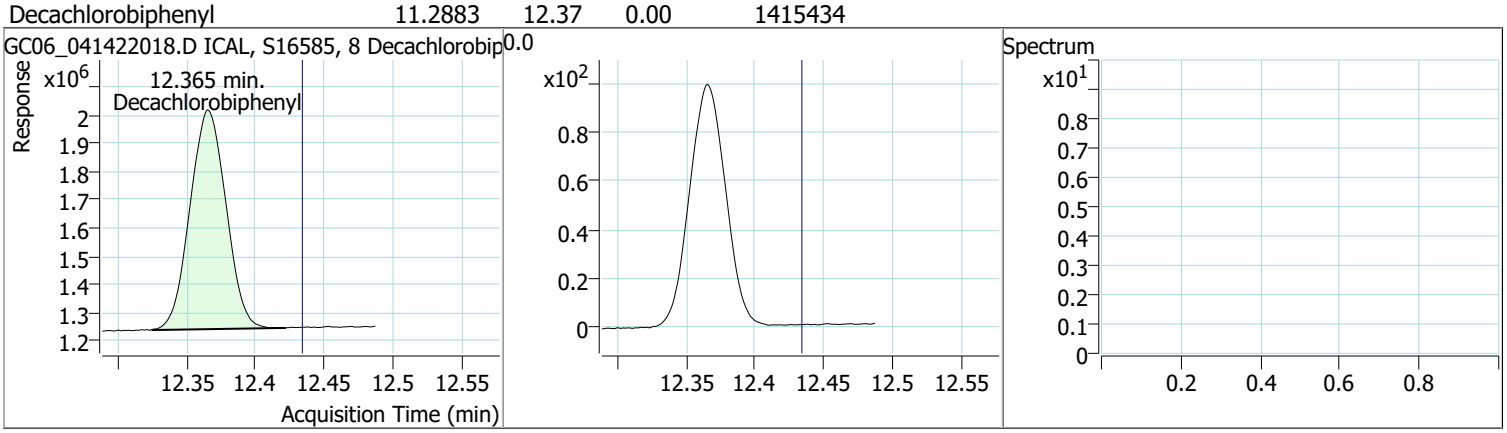
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	6.6536	11.20	-0.01	533254			



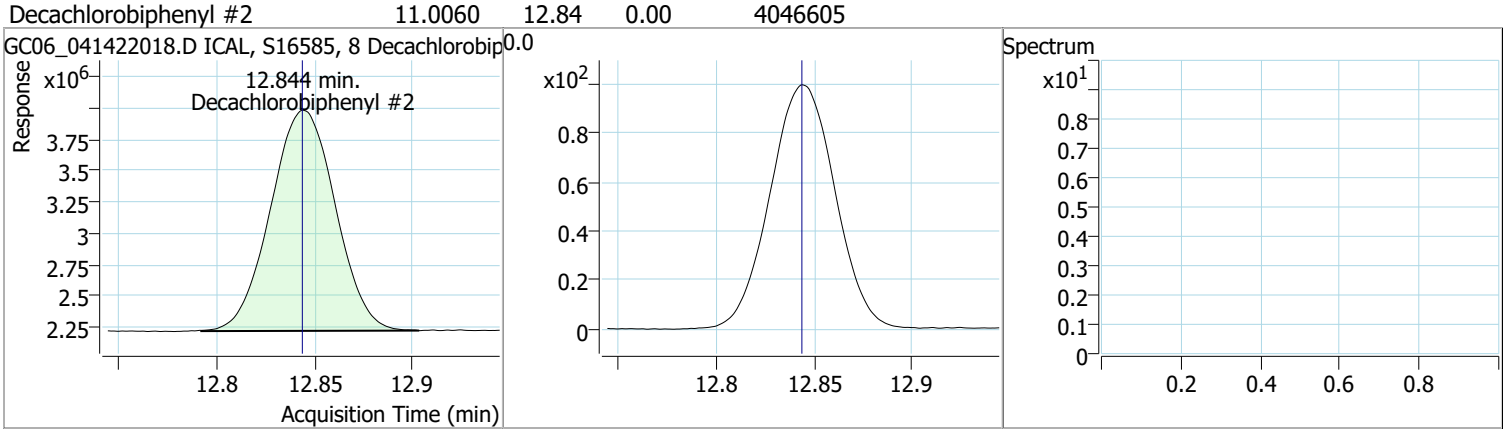
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	15.9229	11.47	0.08	5227834			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	11.2883	12.37	0.00	1415434			

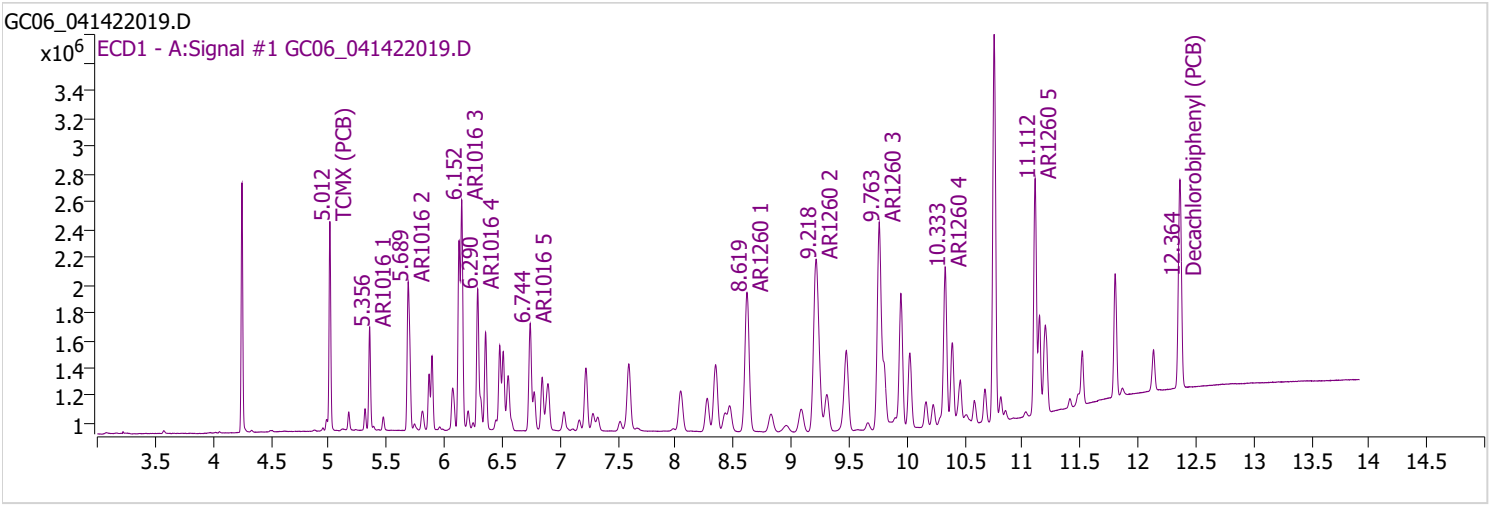


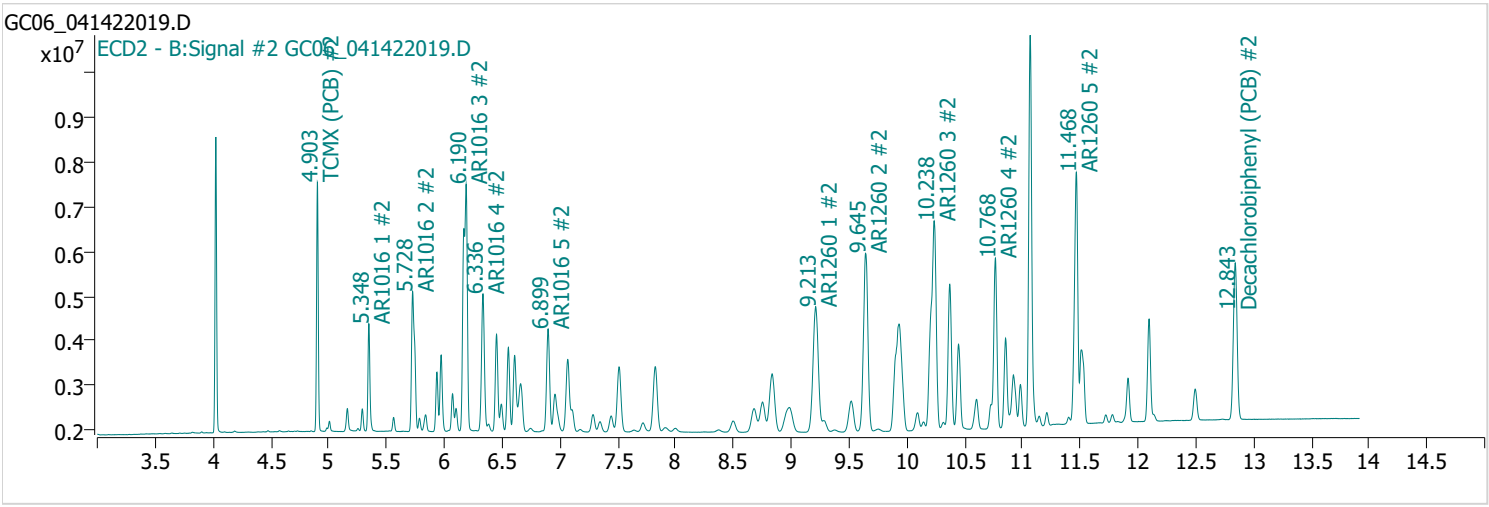
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	11.0060	12.84	0.00	4046605			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422019.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 7:51:33 PM
Sample Name	ICAL, S16585, 4	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 115	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



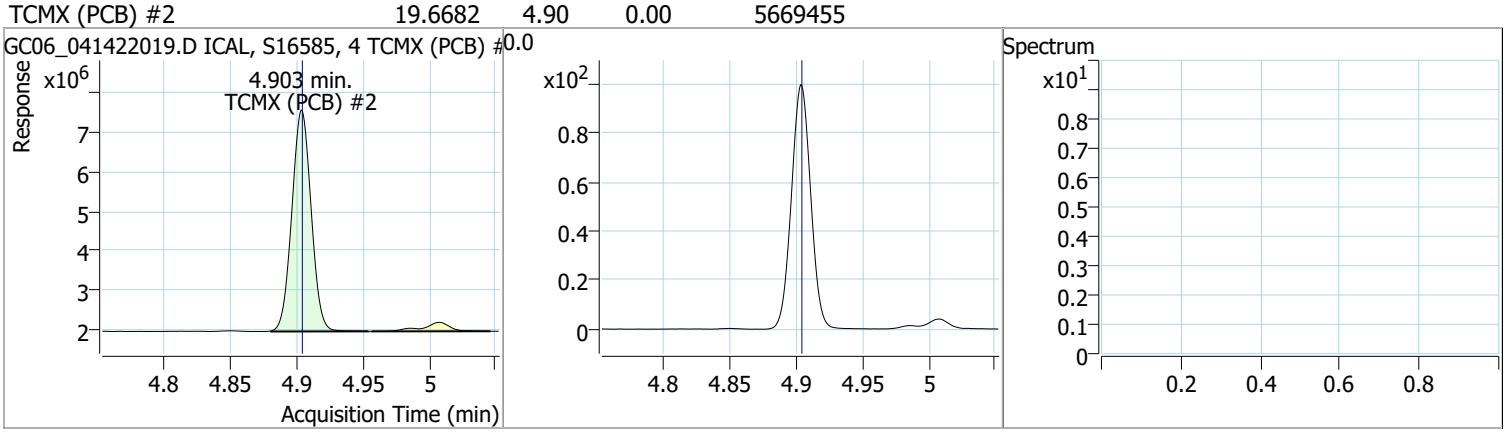


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.252	4.025	1751391	6293294	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.012	4.903	1579508	5669455	18.750	19.668	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	93.75%	98.34%	
S Decachlorobiphenyl (PCB)	12.364	12.843	2854774	8049404	21.438	21.197	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	107.19%	105.98%	
Target Compounds							
T AR1016 1	5.356	5.348	817856	2886563	477.394	489.790	ng/ml
T AR1016 2	5.689	5.728	1755526	6043942	470.625	494.172	ng/ml
T AR1016 3	6.152	6.190	2166227	7959848 m	493.437	493.496	ng/ml
T AR1016 4	6.290	6.336	1608136	5357999	489.499	489.637	ng/ml
T AR1016 5	6.744	6.899	1233025	4246029	485.194	496.301	ng/ml
T AR1260 1	8.619	9.213	2643383	9095023 m	479.596	477.498	ng/ml
T AR1260 2	9.218	9.645	4080185	10571114 m	480.627	480.320	ng/ml
T AR1260 3	9.763	10.238	4246183 m	14462994	481.144	483.695	ng/ml
T AR1260 4	10.333	10.768	2144630	8020449	488.632	495.702	ng/ml

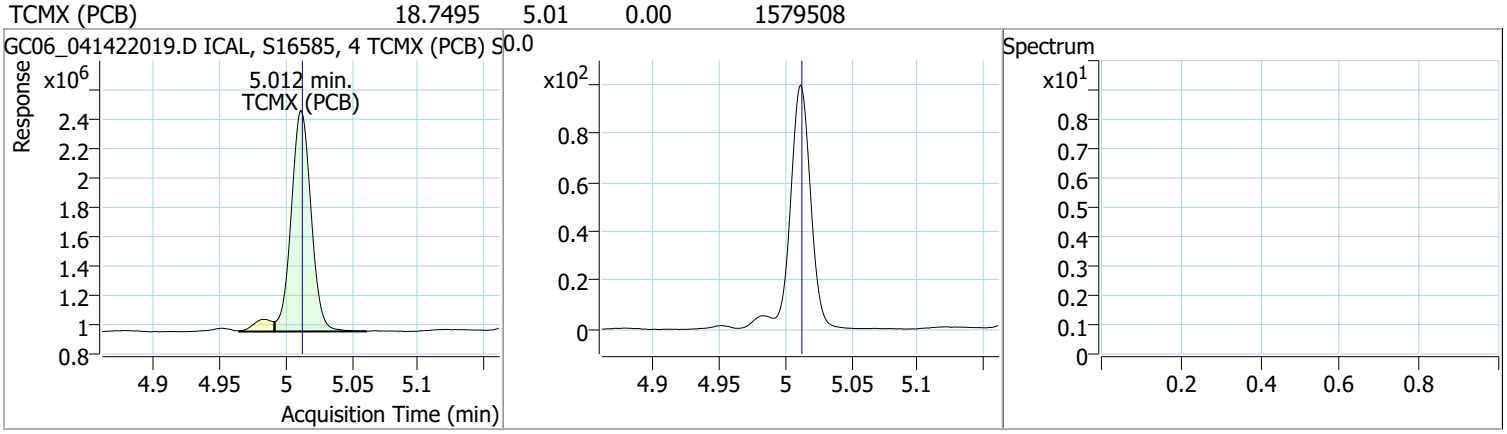
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.112	11.468	2847527	11472329	490.189	480.925	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

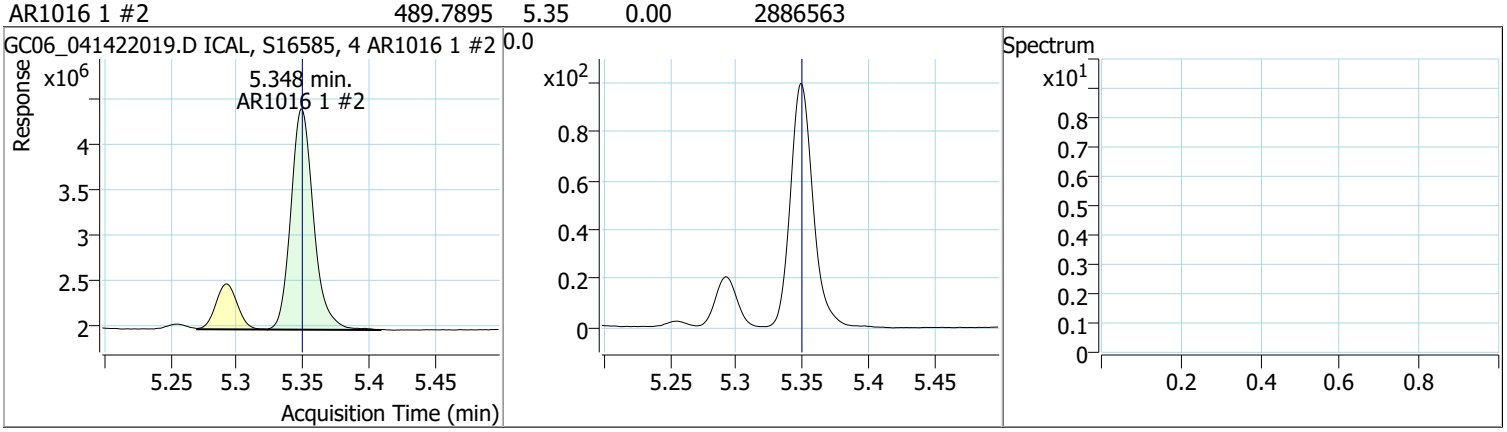
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	19.6682	4.90	0.00	5669455			



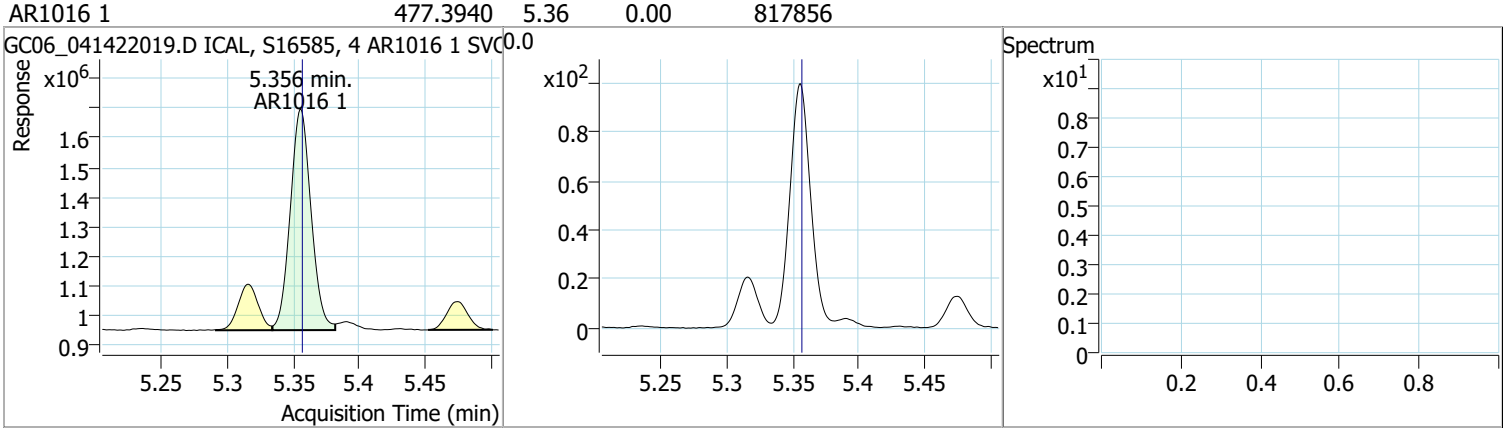
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	18.7495	5.01	0.00	1579508			



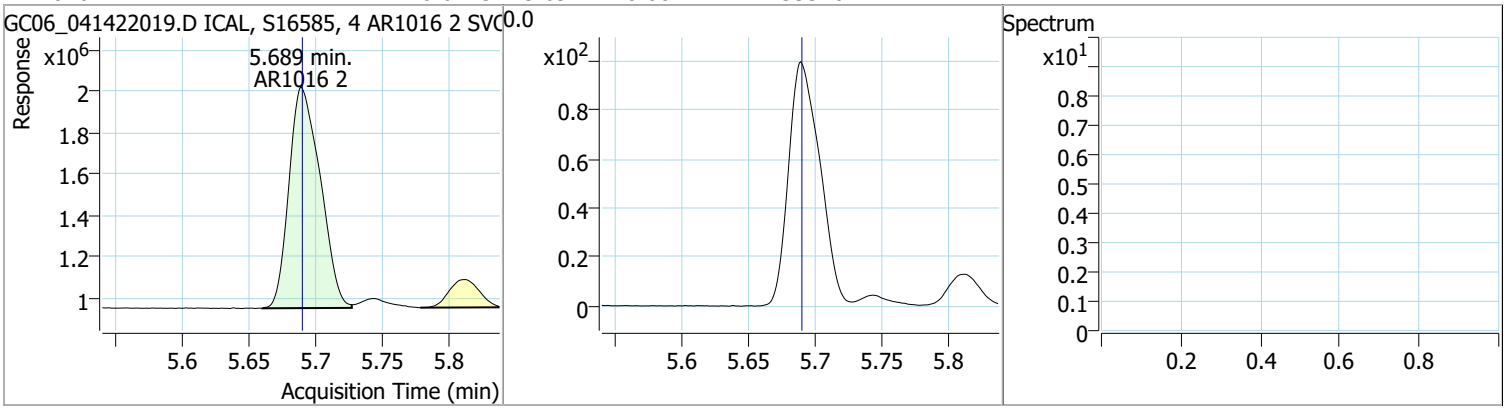
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	489.7895	5.35	0.00	2886563			



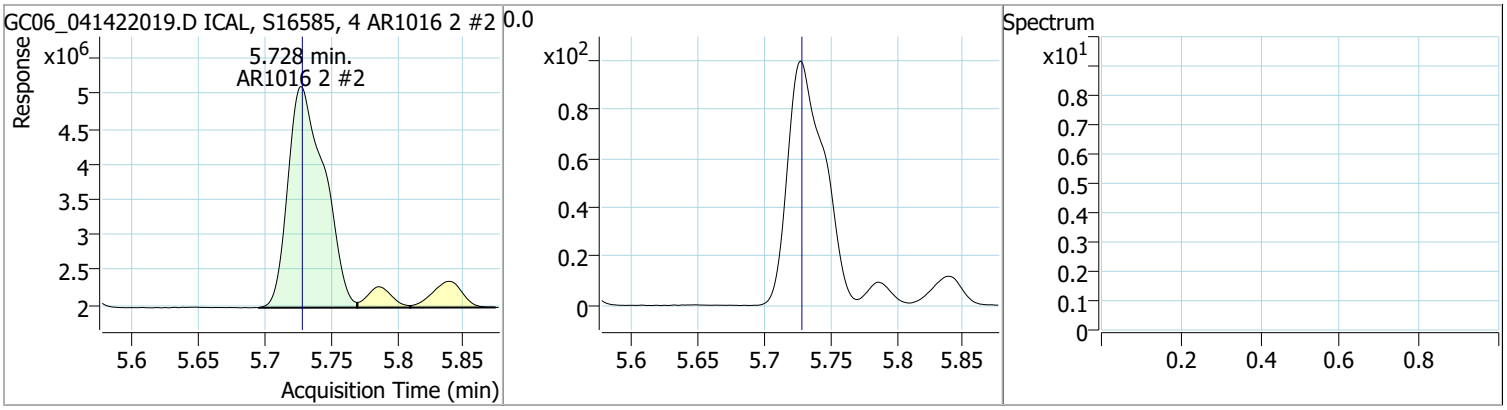
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	477.3940	5.36	0.00	817856			



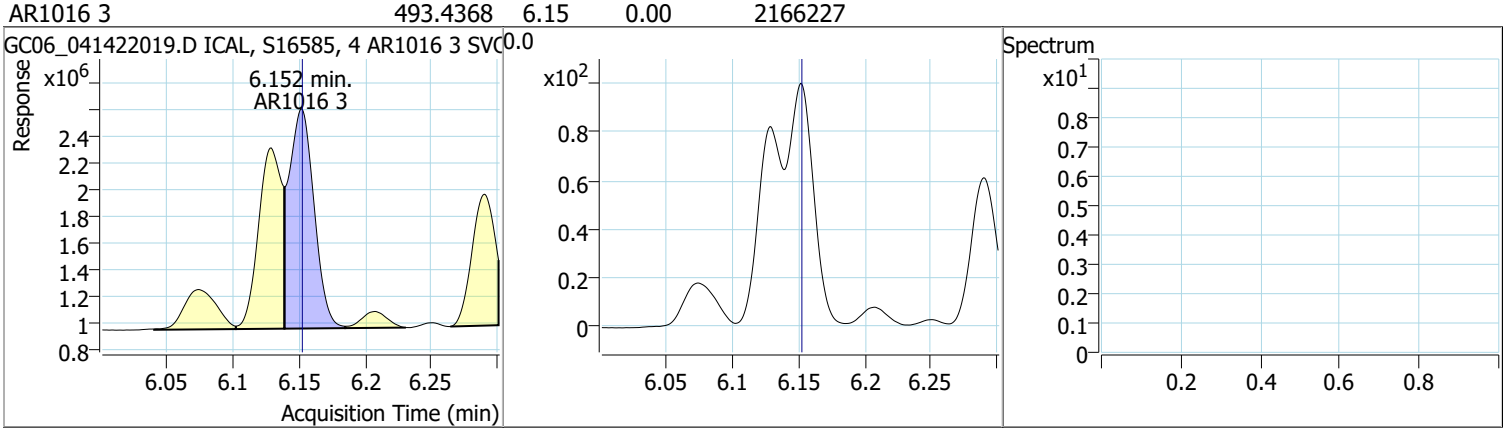
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	470.6245	5.69	0.00	1755526			



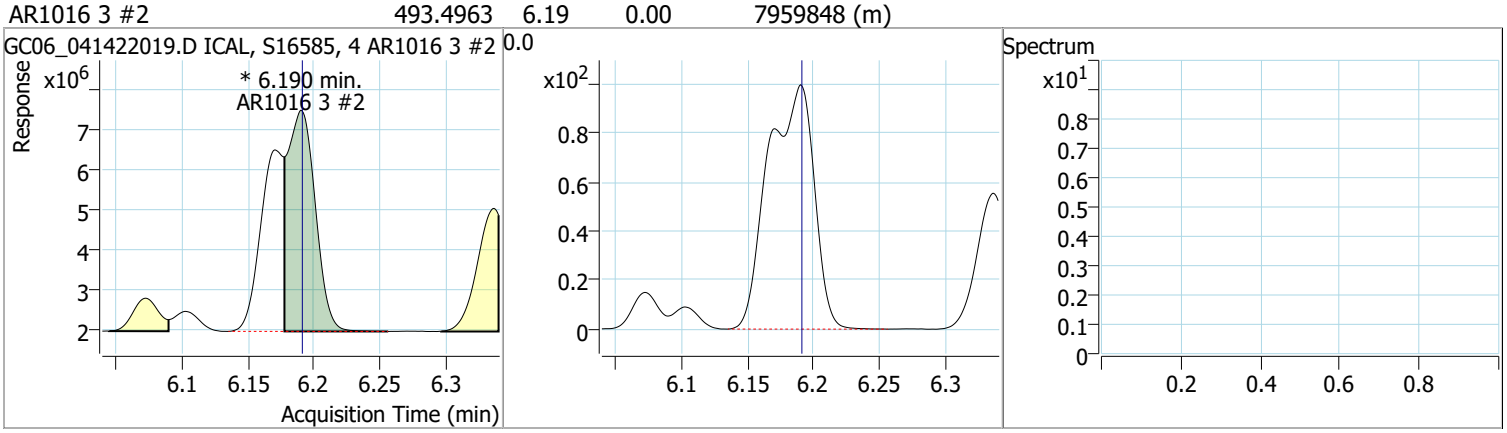
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	494.1724	5.73	0.00	6043942			



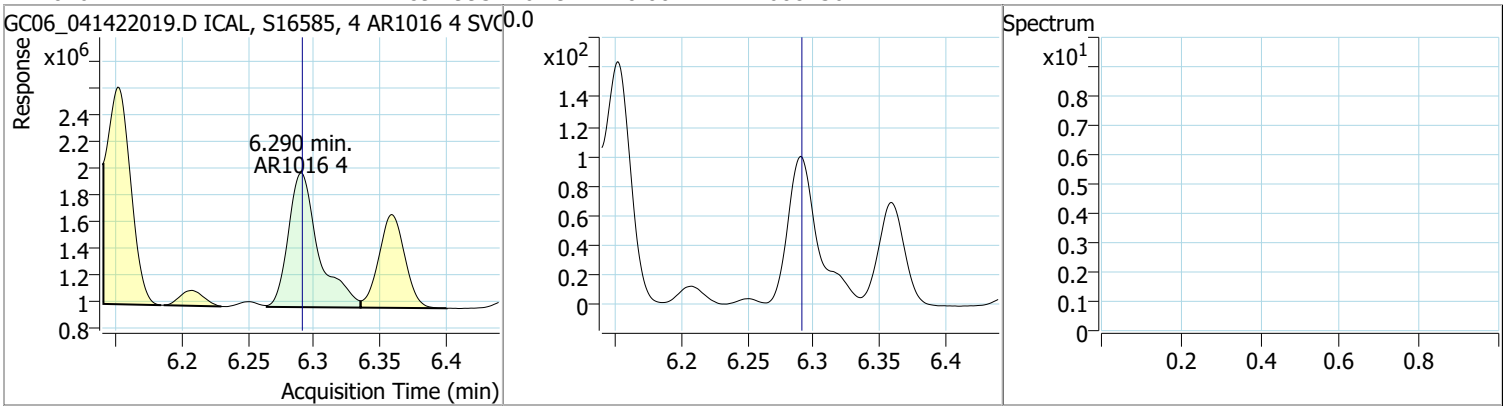
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	493.4368	6.15	0.00	2166227			



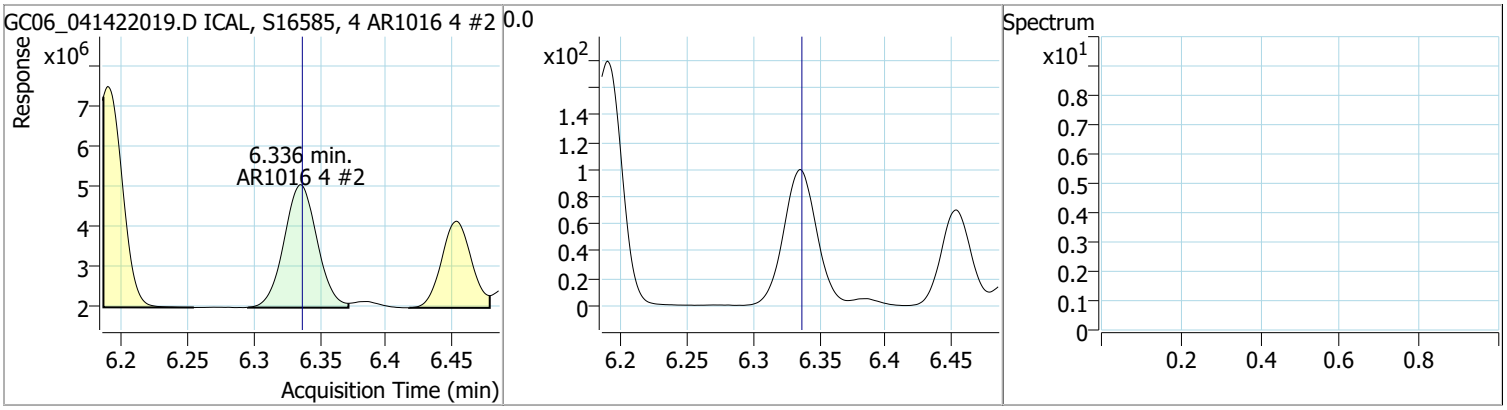
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	493.4963	6.19	0.00	7959848 (m)			



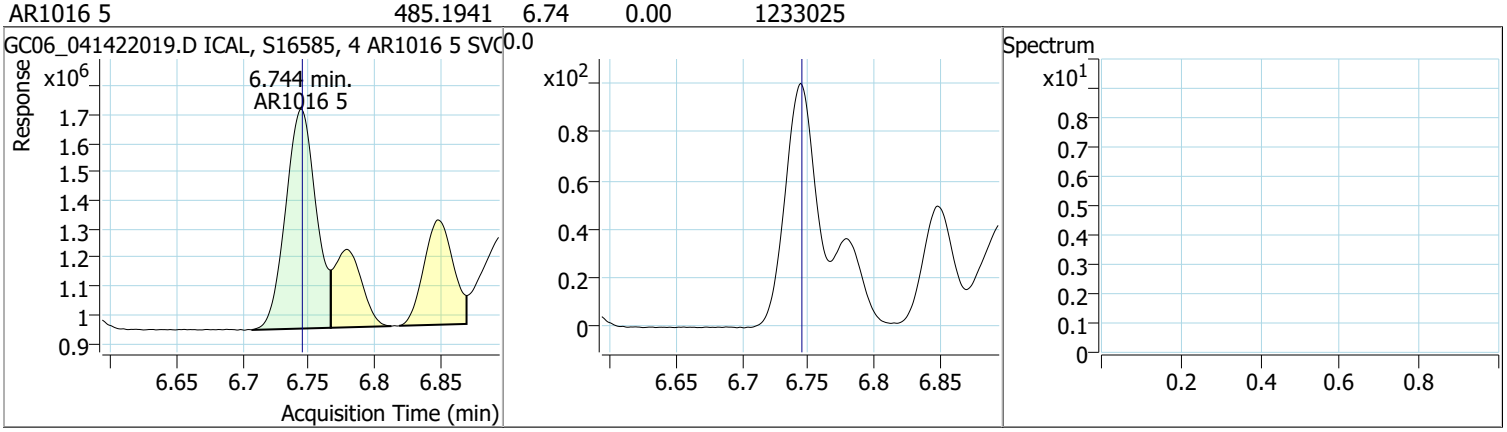
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	489.4993	6.29	0.00	1608136			



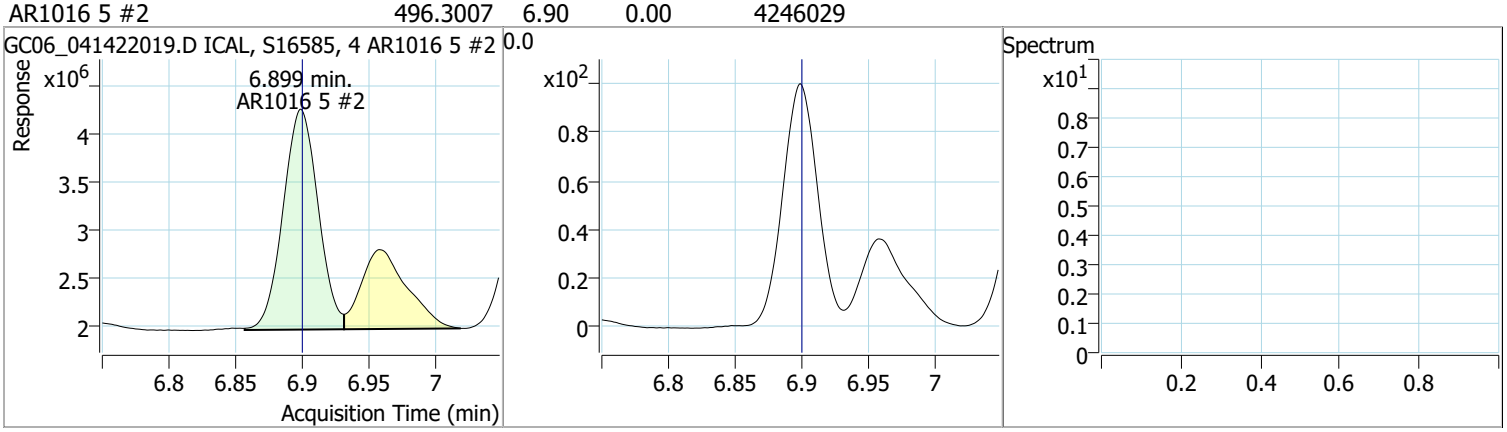
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	489.6367	6.34	0.00	5357999			



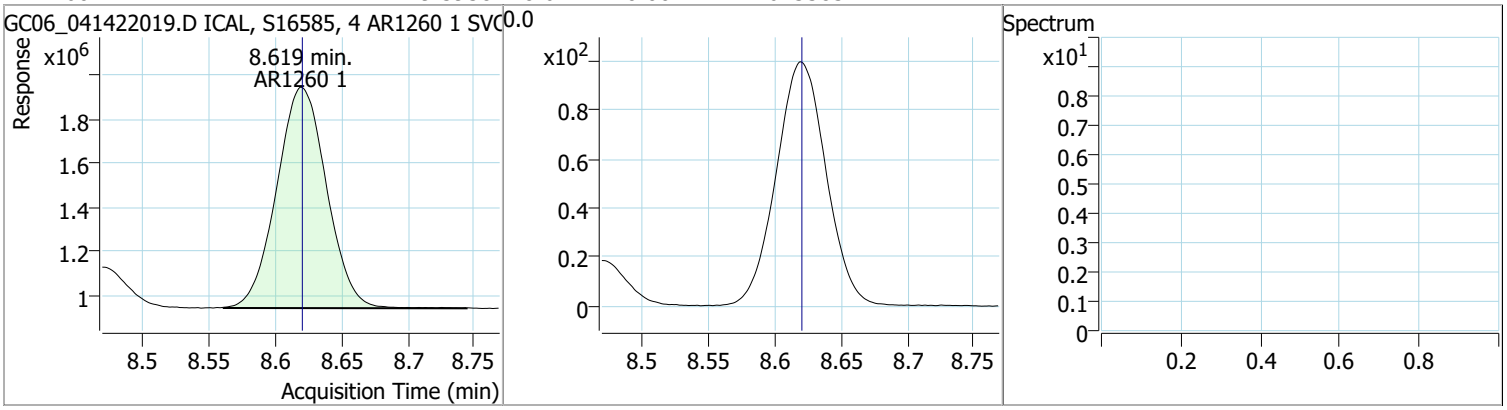
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	485.1941	6.74	0.00	1233025			



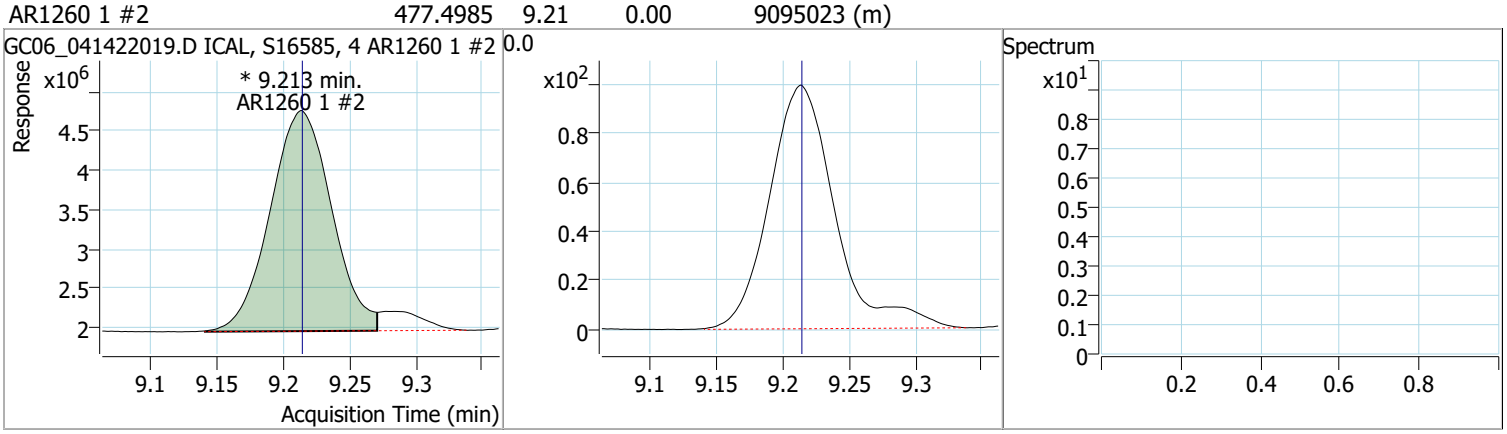
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	496.3007	6.90	0.00	4246029			



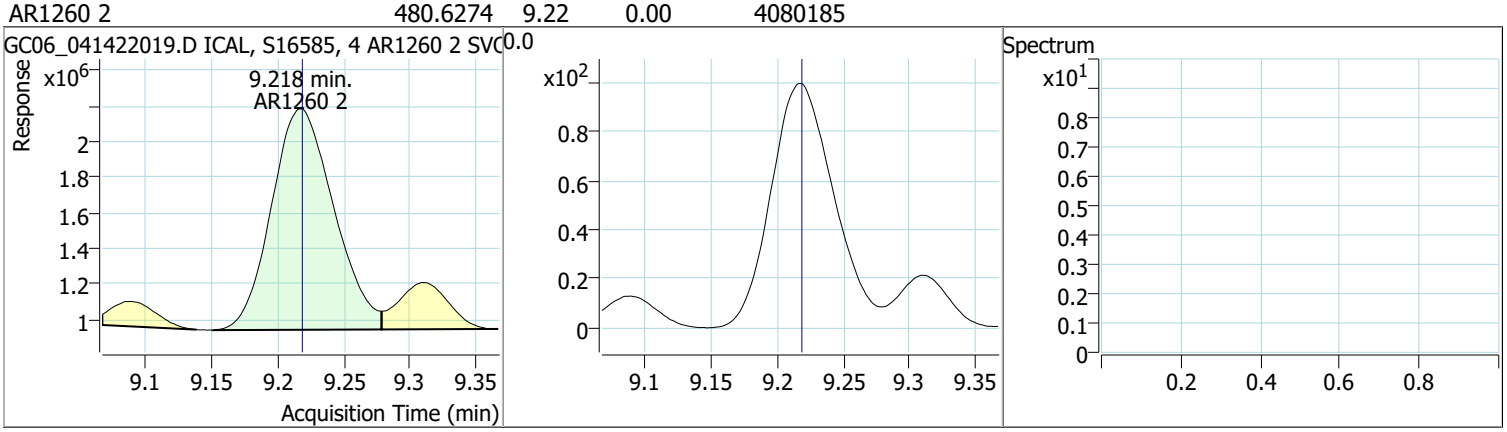
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	479.5958	8.62	0.00	2643383			



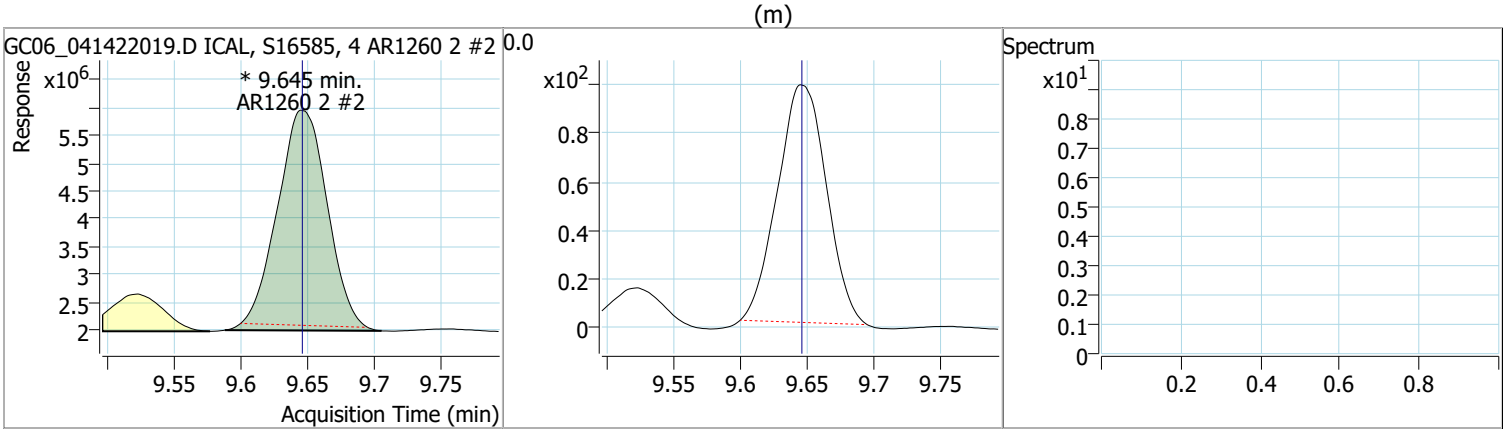
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	477.4985	9.21	0.00	9095023 (m)			



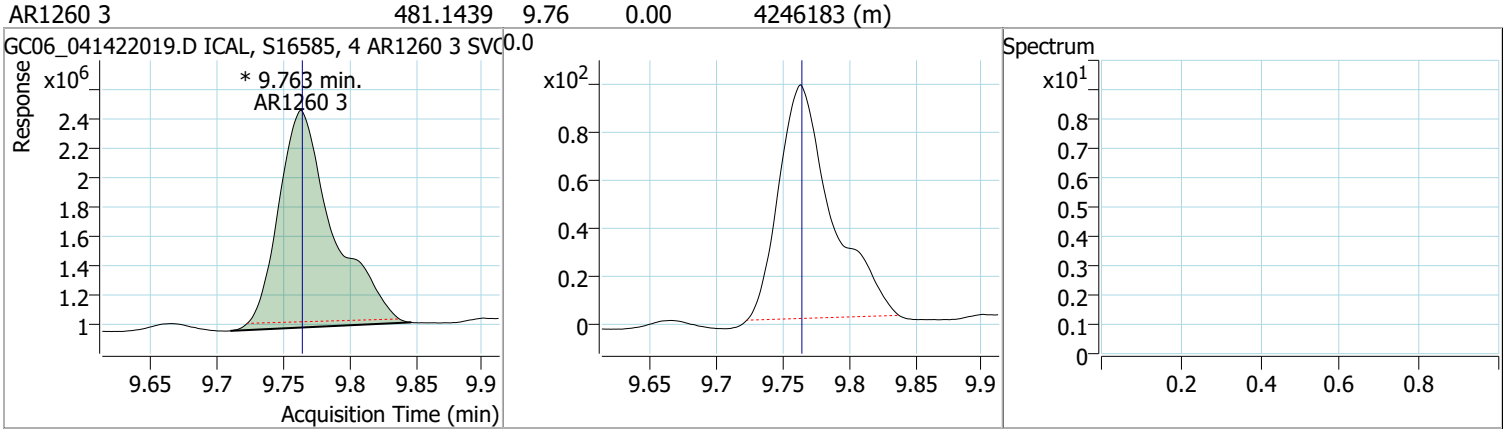
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	480.6274	9.22	0.00	4080185			



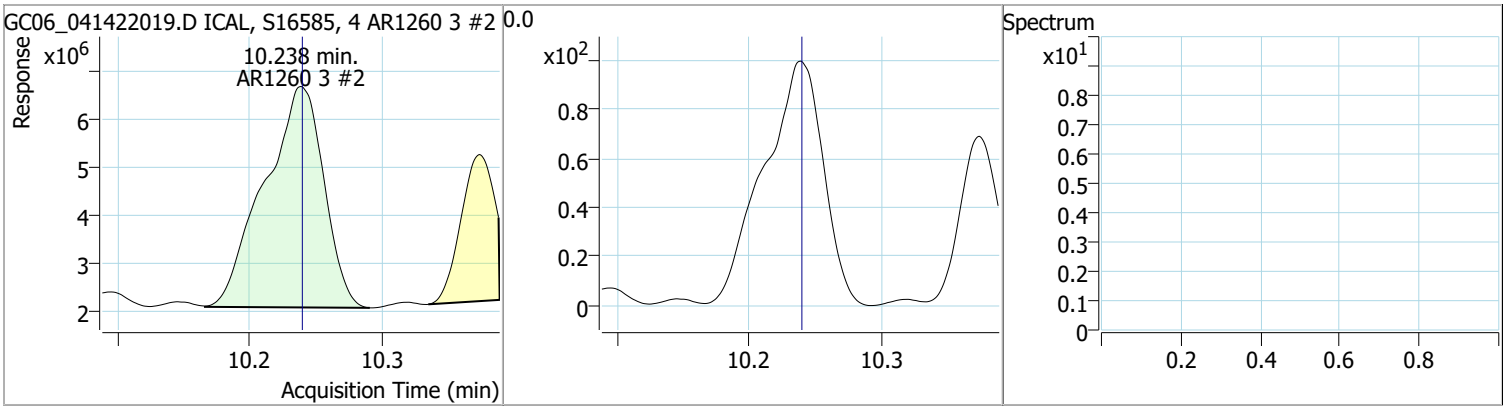
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	480.3199	9.65	0.00	10571114 (m)			



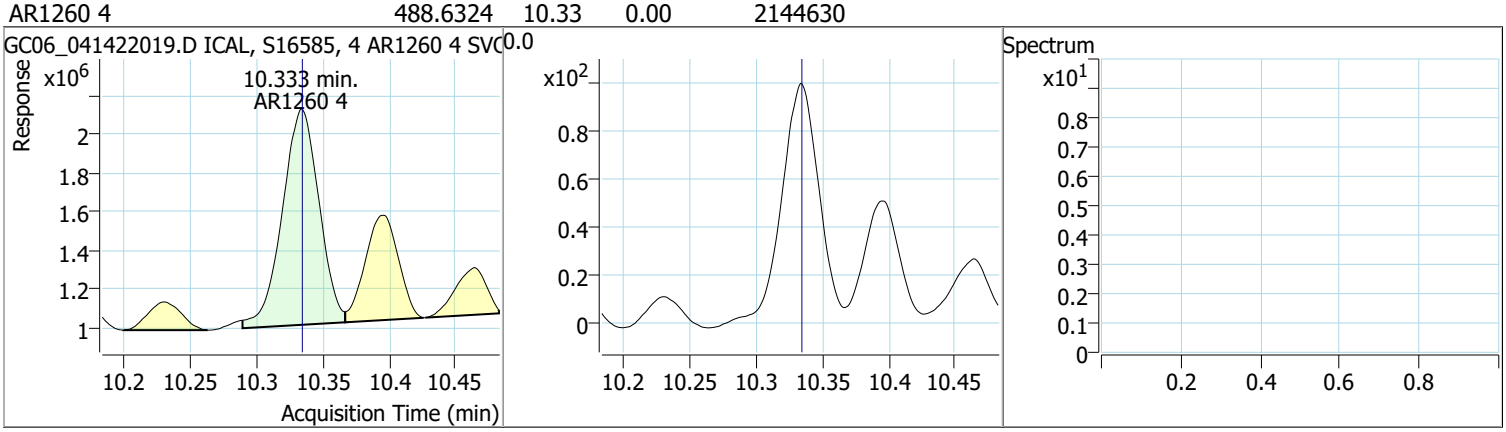
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	481.1439	9.76	0.00	4246183 (m)			



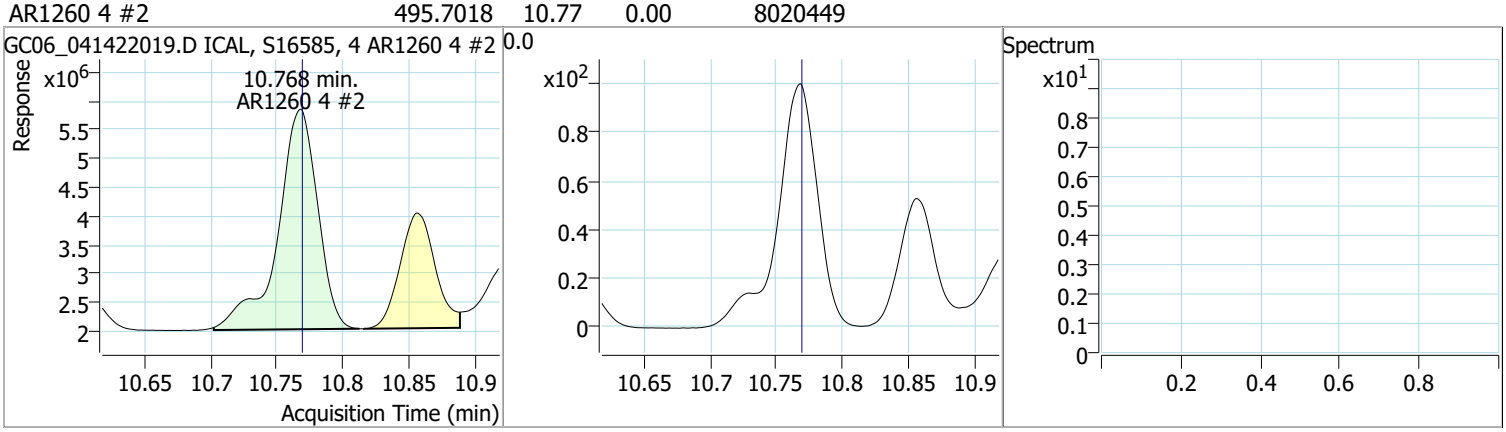
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	483.6947	10.24	0.00	14462994			



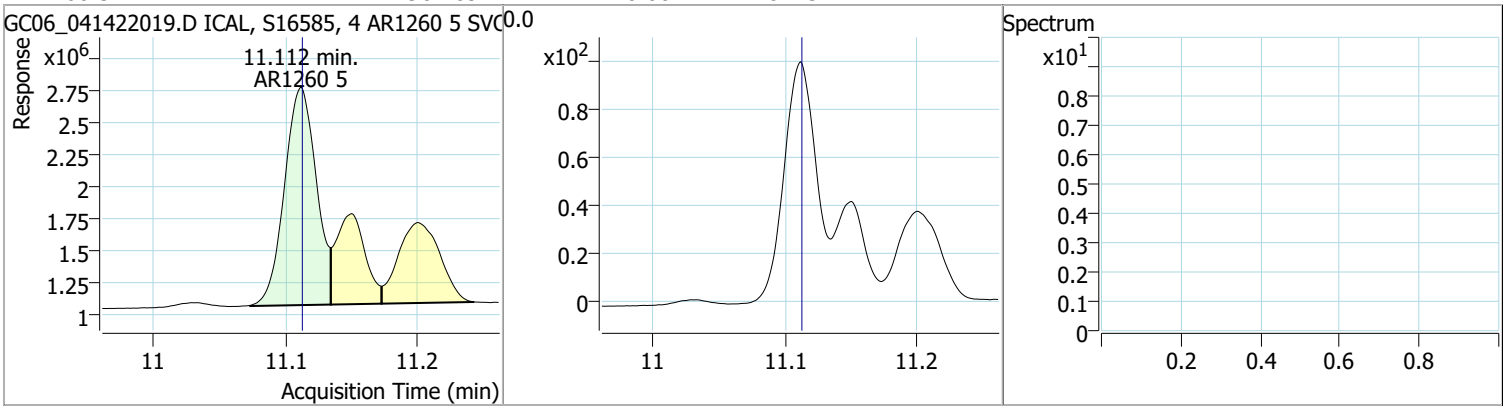
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	488.6324	10.33	0.00	2144630			



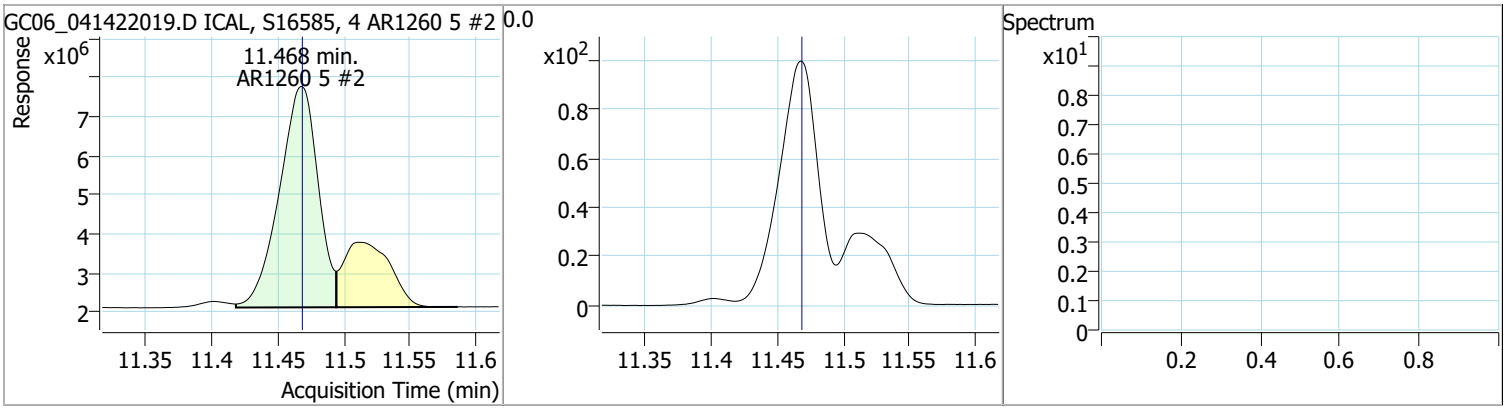
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	495.7018	10.77	0.00	8020449			



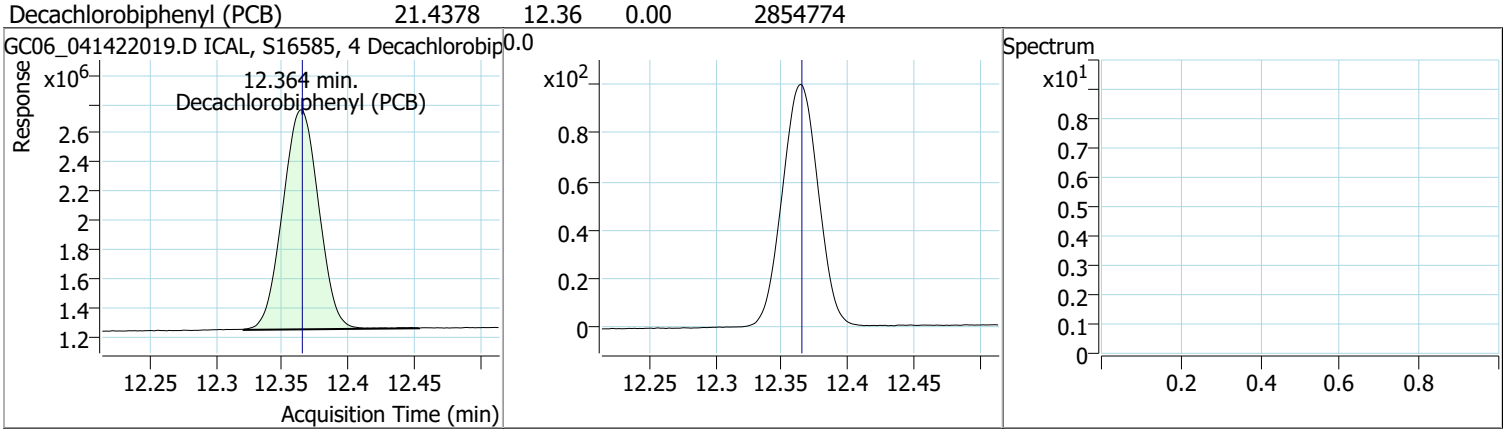
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	490.1891	11.11	0.00	2847527			



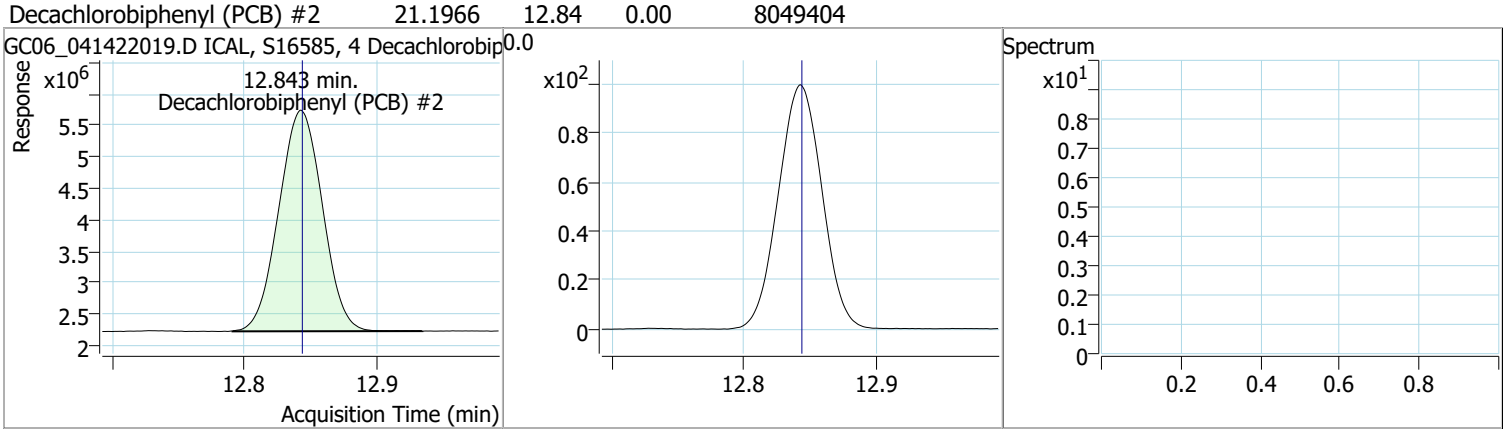
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	480.9254	11.47	0.00	11472329			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	21.4378	12.36	0.00	2854774			

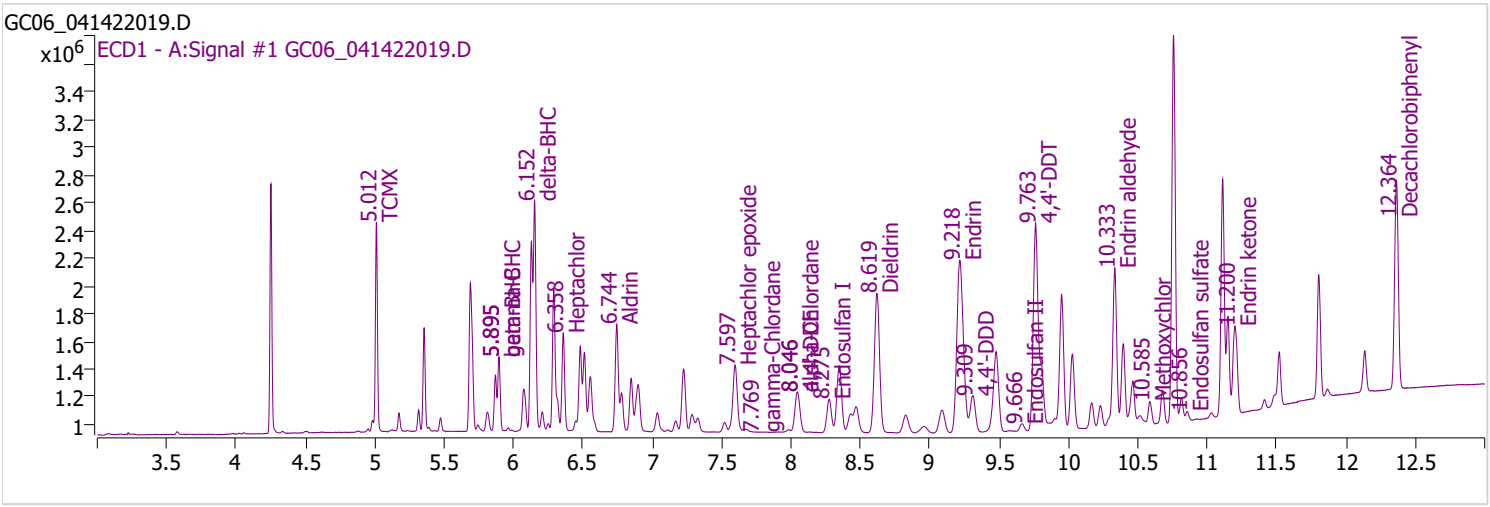


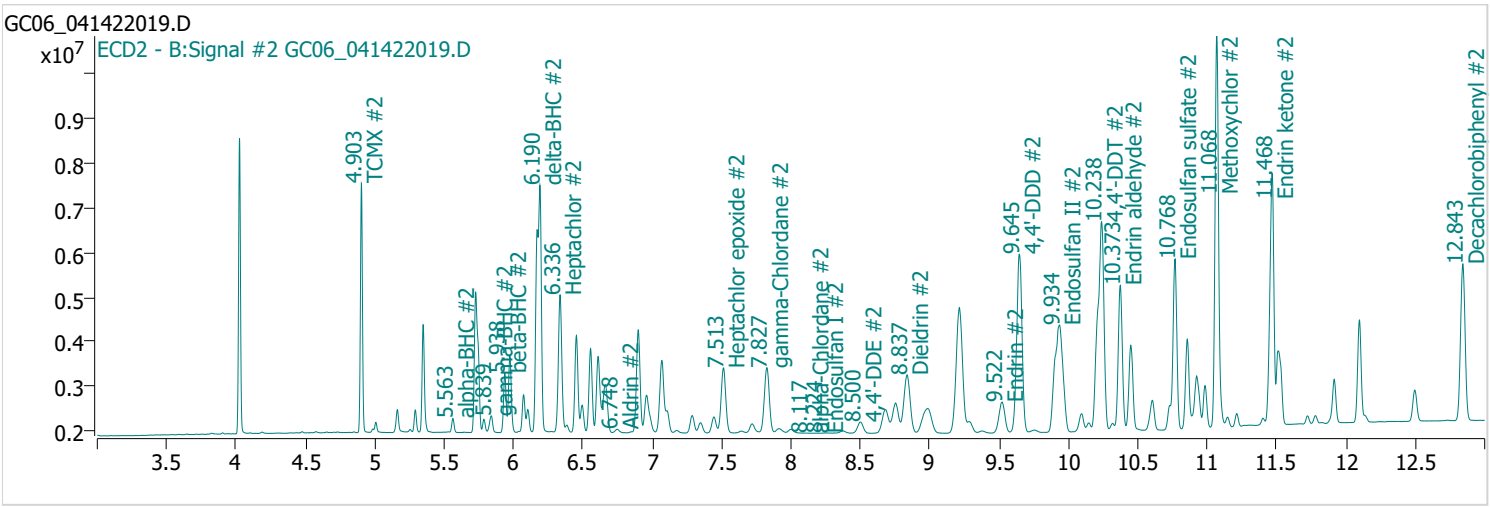
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	21.1966	12.84	0.00	8049404			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422019.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 7:51:33 PM
Sample Name	ICAL, S16585, 4	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 115	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 8:05:48 PM



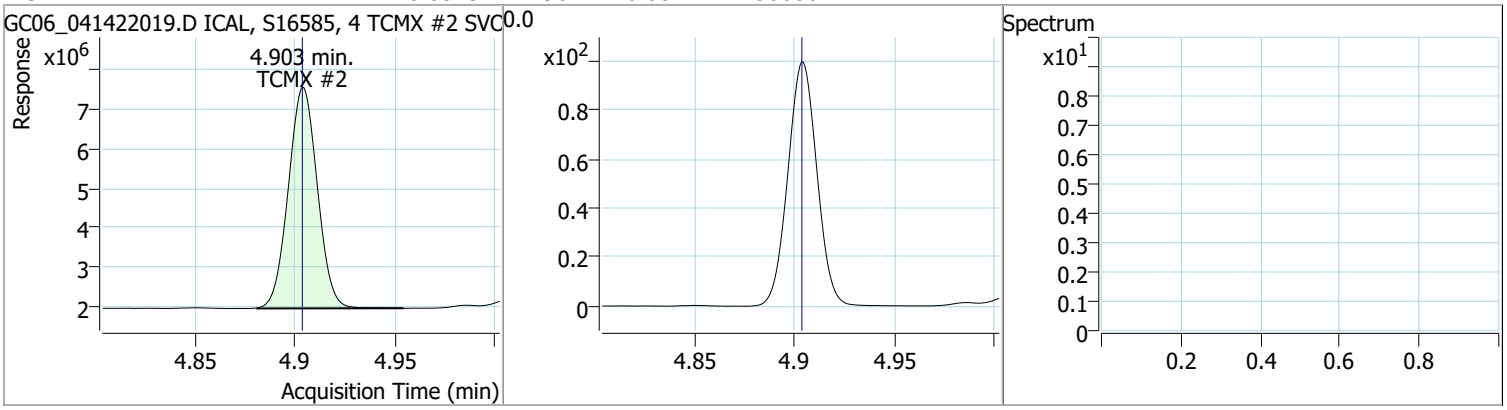


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.252	4.025	1741966	6286733	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.012	4.903	1580217	5660824	19.748	20.854	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	98.74%	104.27%	
S Decachlorobiphenyl	12.364	12.843	2820629	8017653	23.025	22.327	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	115.13%	111.64%	
Target Compounds							
T alpha-BHC	----	5.563 f	0	343211	N.D.	1.427 #	ng/ml
T gamma-BHC	5.895	5.839	657278	532329	8.878	2.180 #	ng/ml
T beta-BHC	5.895	5.938	655012	1711470	17.265	11.915 #	ng/ml
T delta-BHC	6.152	6.190	2131988	13330961	21.086	27.383 #	ng/ml
T Heptachlor	6.358	6.336	849316	5357740	10.881	16.005 #	ng/ml
T Aldrin	6.744	6.748	1231822	147229	14.681	0.576 #	ng/ml
T Heptachlor epoxide	7.597	7.513	1044332	3071162	12.958	11.243	ng/ml
T gamma-Chlordane	7.769	7.827	1352	3546430	0.022	11.949 #	ng/ml
T alpha-Chlordane	8.046	8.117	460118	759	7.073	0.004 #	ng/ml

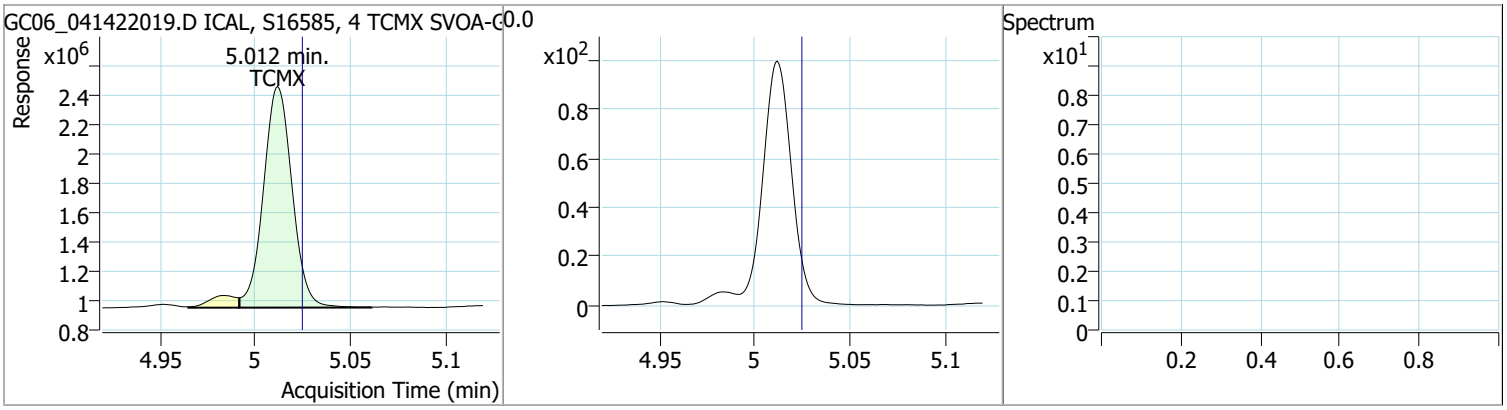
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.275	8.224	543392	2878	8.821	0.014 #	ng/ml
T 4,4'-DDE	8.046	8.500 f	708218	696359	11.132	3.563 #	ng/ml
T Dieldrin	8.619	8.837	2625480	2765724	30.940	11.722 #	ng/ml
T Endrin	9.218	9.522	3891311	2017240	43.217	9.696 #	ng/ml
T 4,4'-DDD	9.309	9.645 f	404913	9764947	8.727	46.238 #	ng/ml
T Endosulfan II	9.666	9.934 f	108827	9923288	1.831	34.228 #	ng/ml
T 4,4'-DDT	9.763	10.238	4068912	14395011	58.202	43.868	ng/ml
T Endrin aldehyde	10.333	10.373	1982540	6406259	33.760	30.834	ng/ml
T Endosulfan sulfate	10.856	10.768	56701	8033382	1.088	33.210 #	ng/ml
T Methoxychlor	10.585	11.068 f	250002	15855033	7.826	116.391 #	ng/ml
T Endrin ketone	11.200	11.468 f	1061145	10465973	14.492	33.494 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

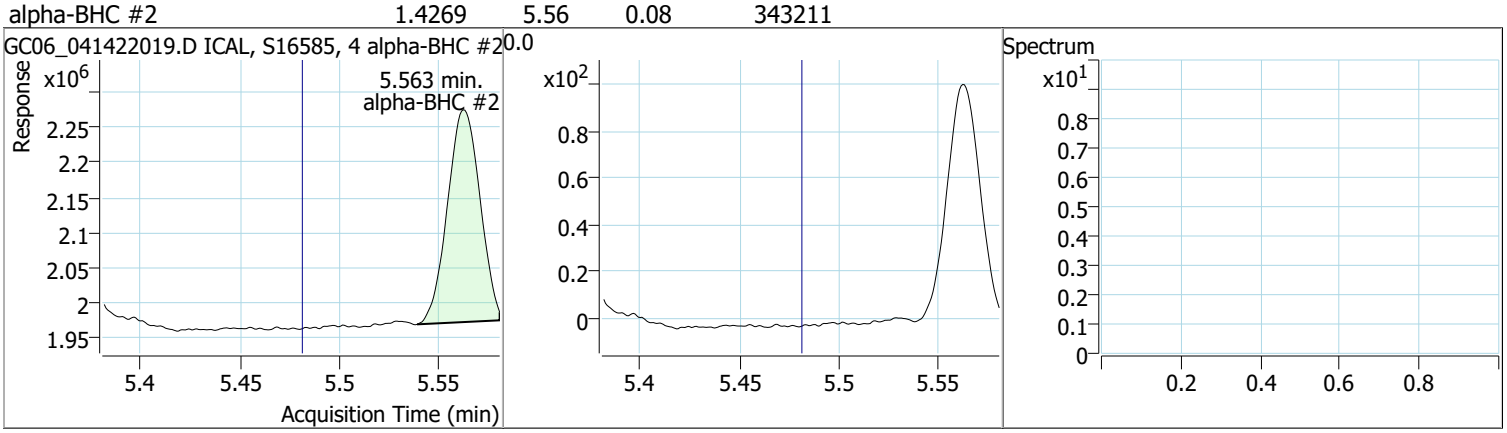
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	20.8545	4.90	0.00	5660824			



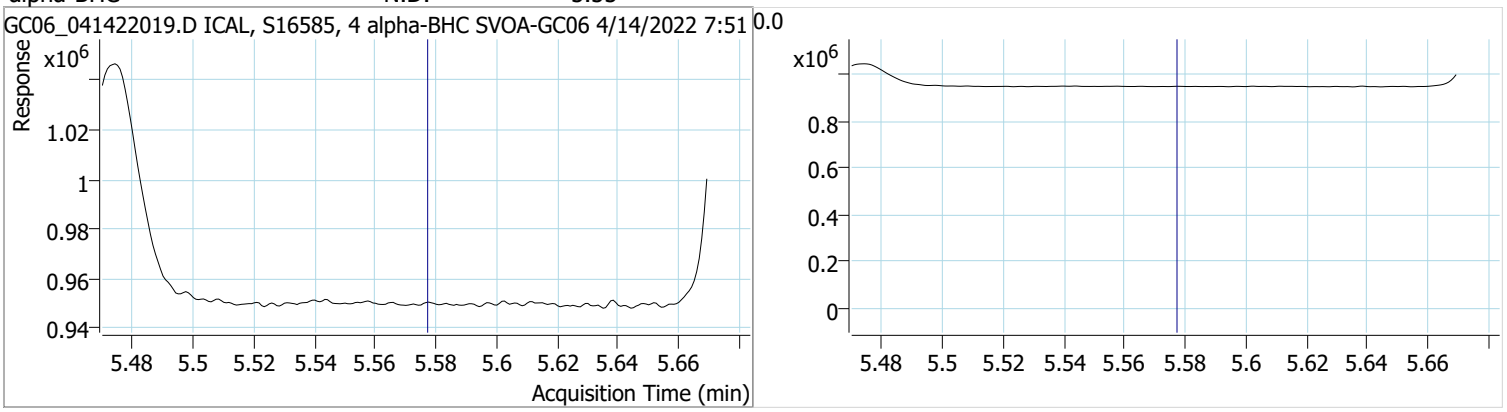
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	19.7478	5.01	0.01	1580217			



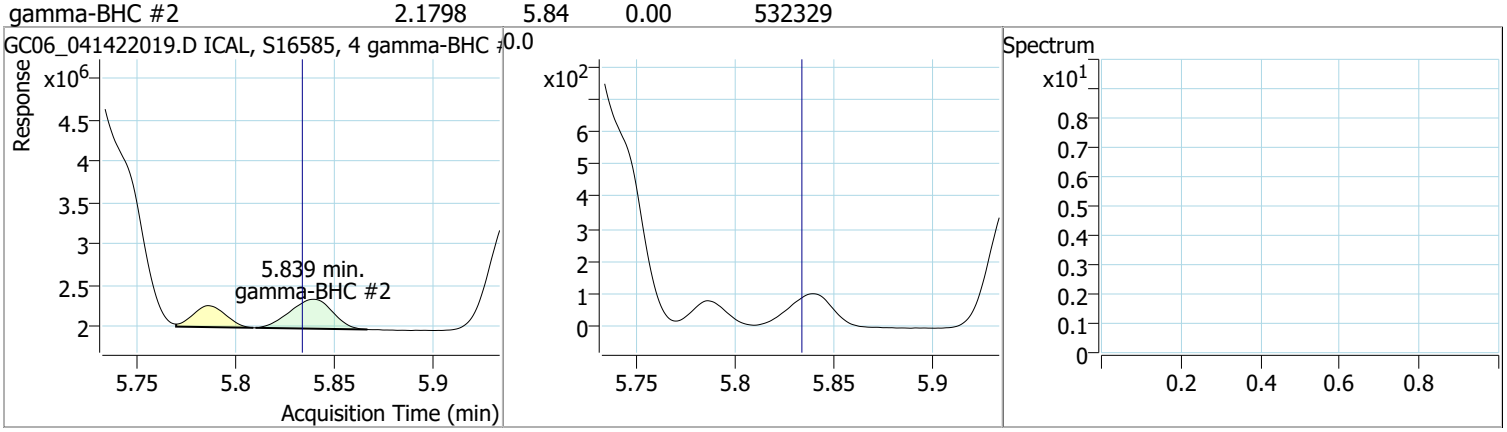
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	1.4269	5.56	0.08	343211			



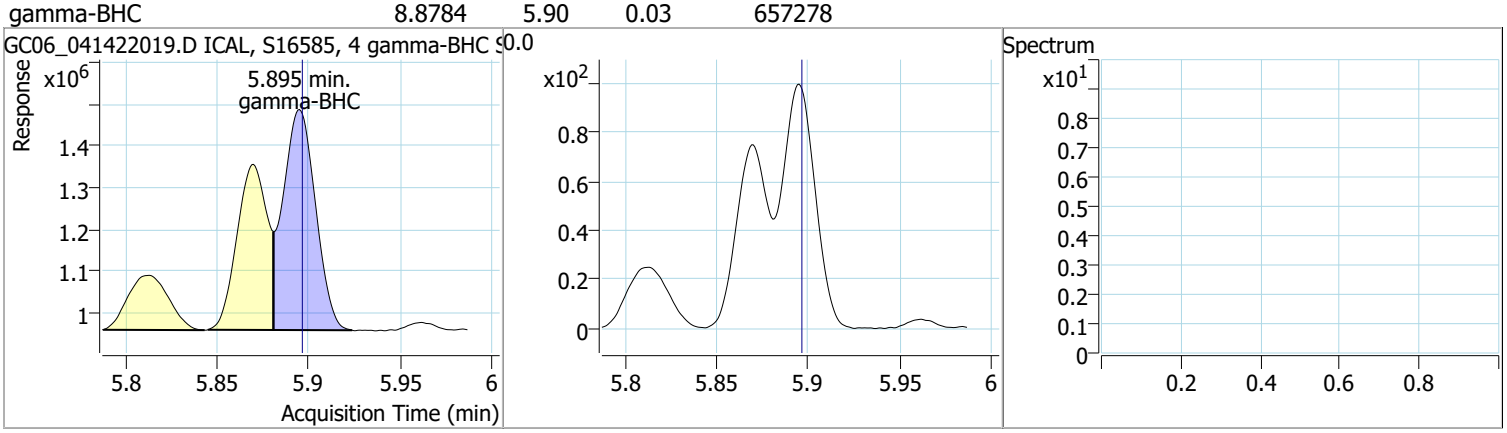
Compound	Conc.		Exp Ratio
alpha-BHC	N.D.	5.55	



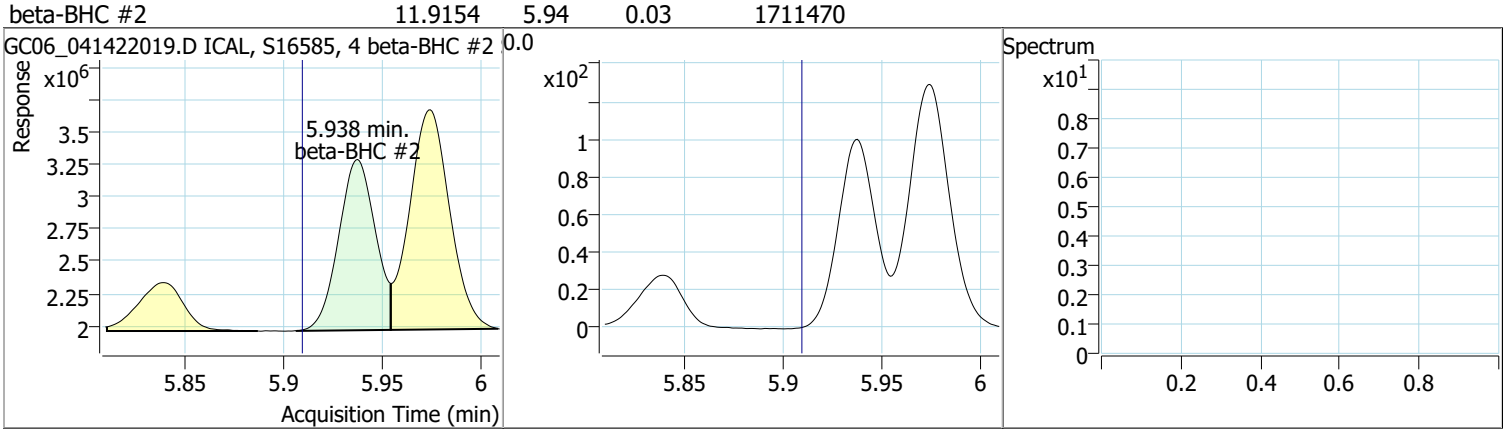
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	2.1798	5.84	0.00	532329			



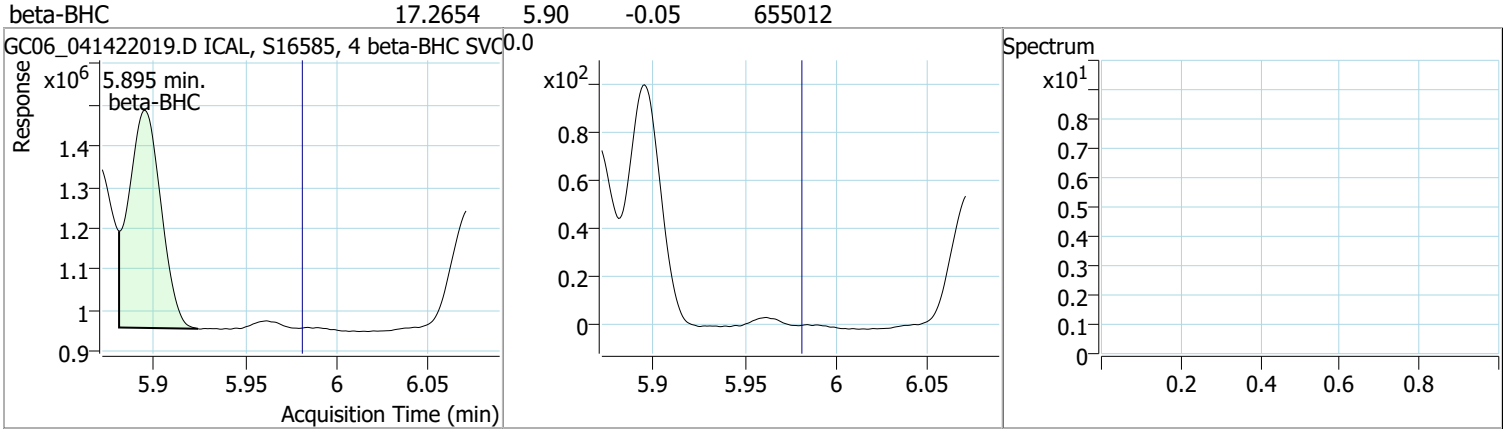
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	8.8784	5.90	0.03	657278			



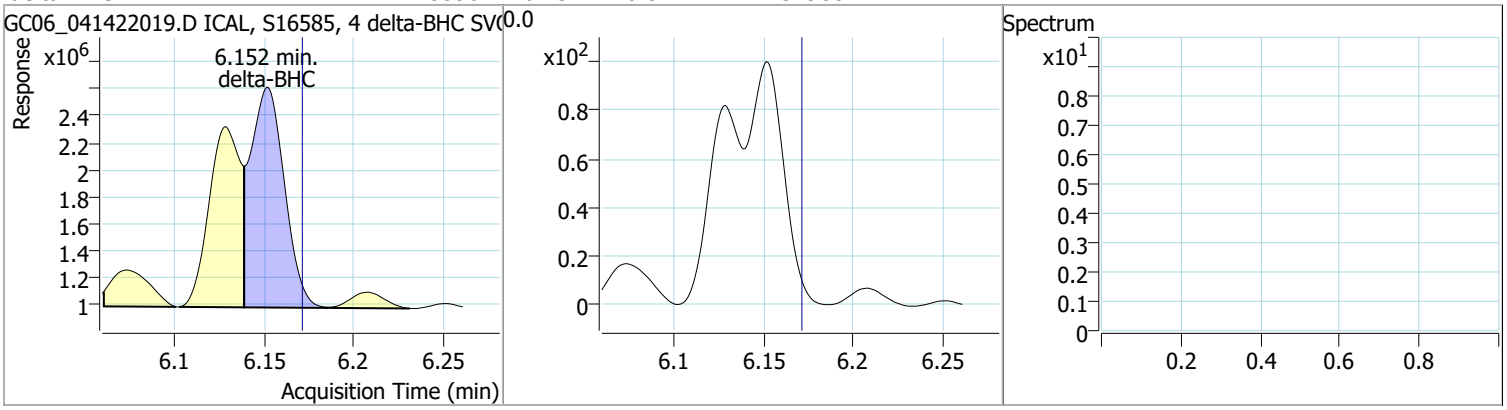
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	11.9154	5.94	0.03	1711470			



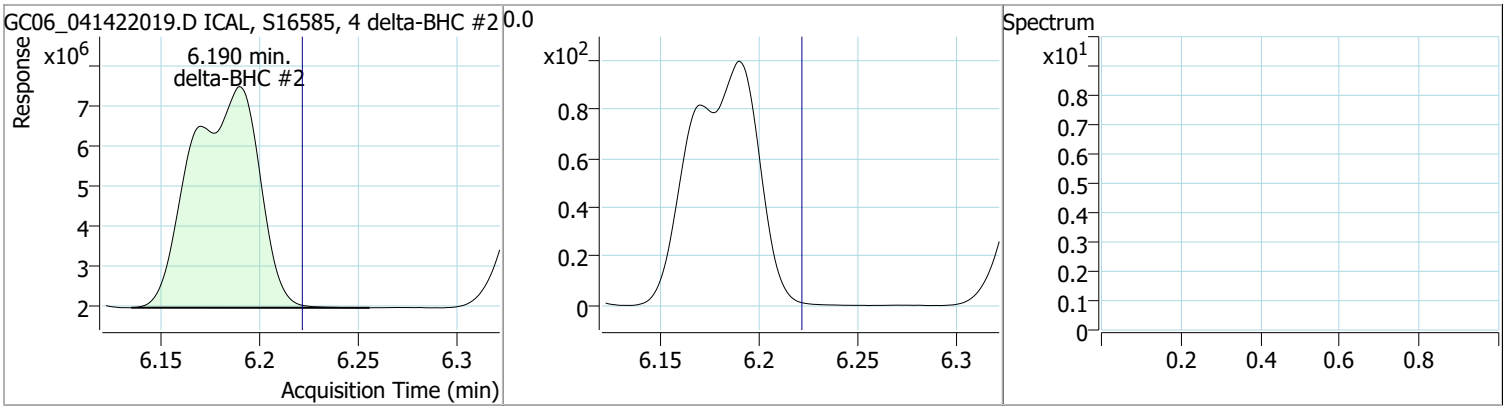
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	17.2654	5.90	-0.05	655012			



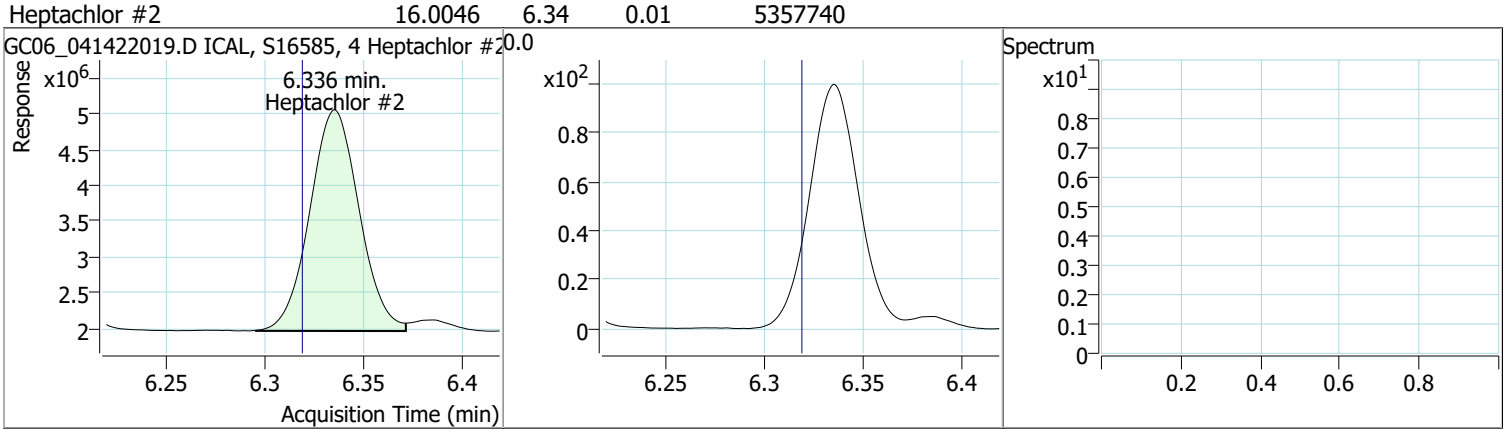
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	21.0856	6.15	0.01	2131988			



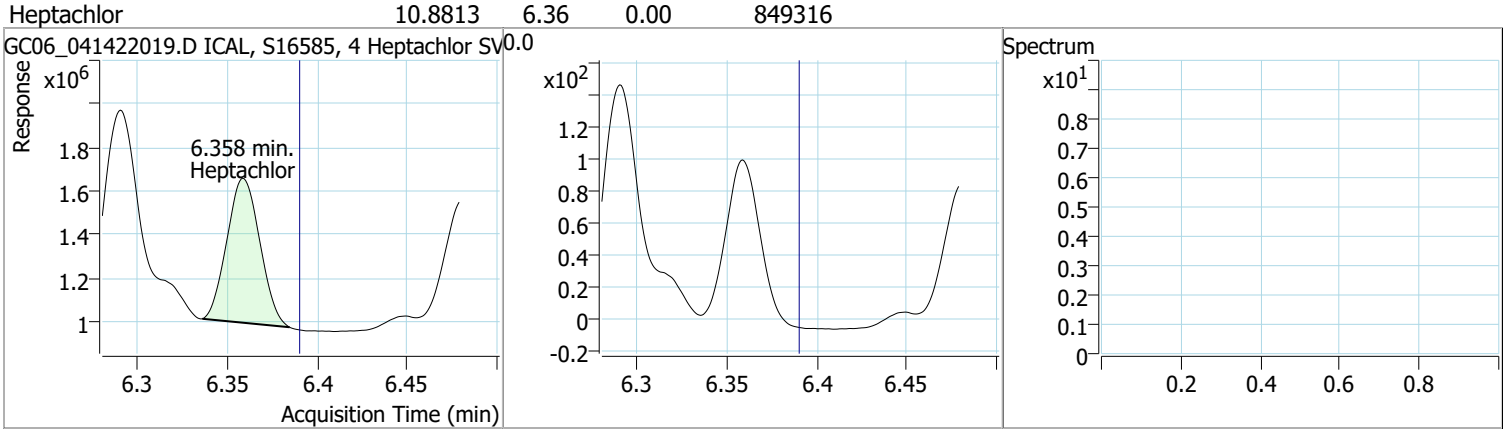
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	27.3833	6.19	-0.03	13330961			



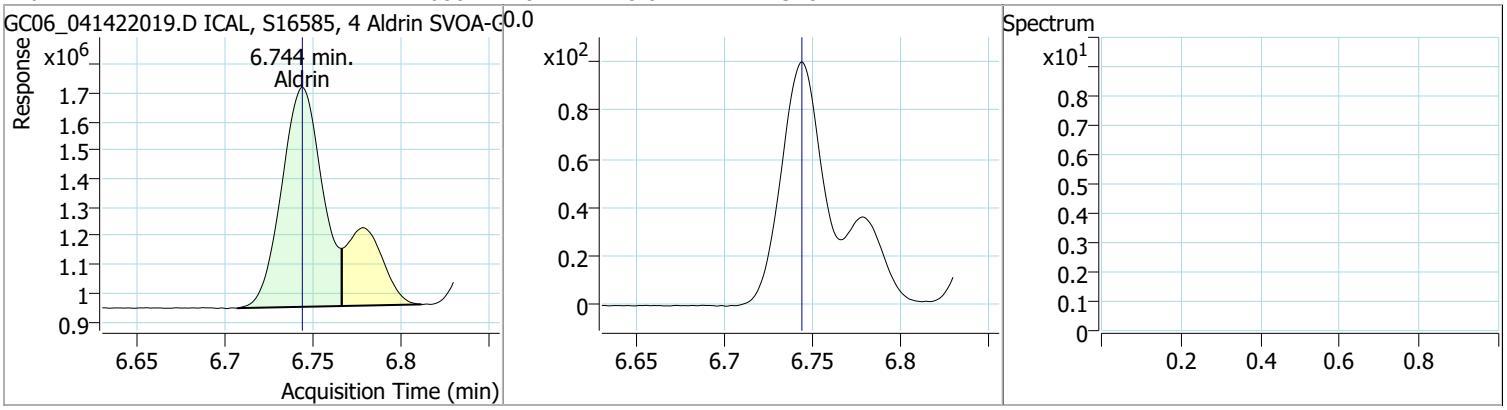
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	16.0046	6.34	0.01	5357740			



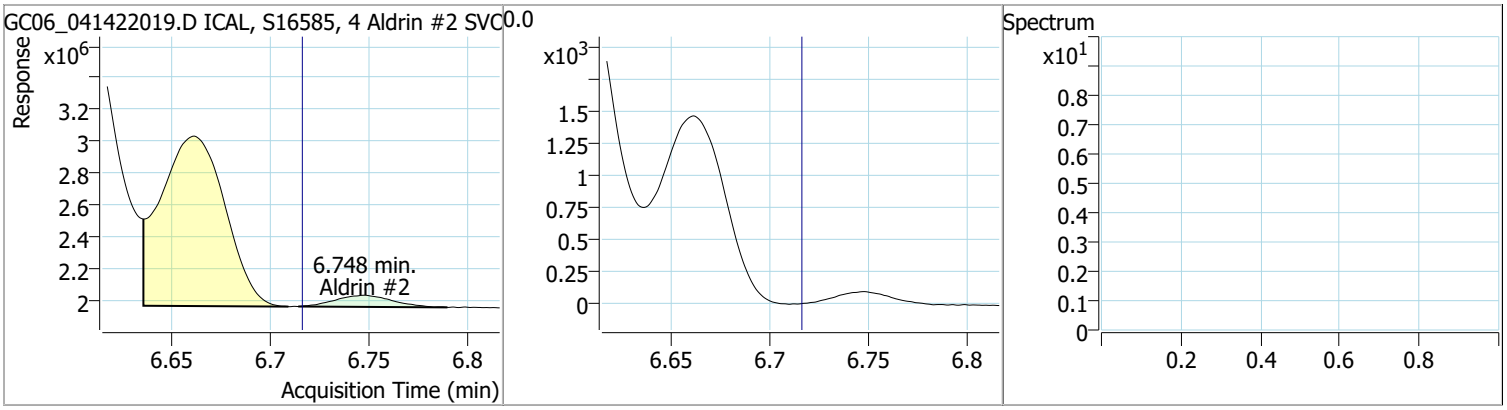
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	10.8813	6.36	0.00	849316			



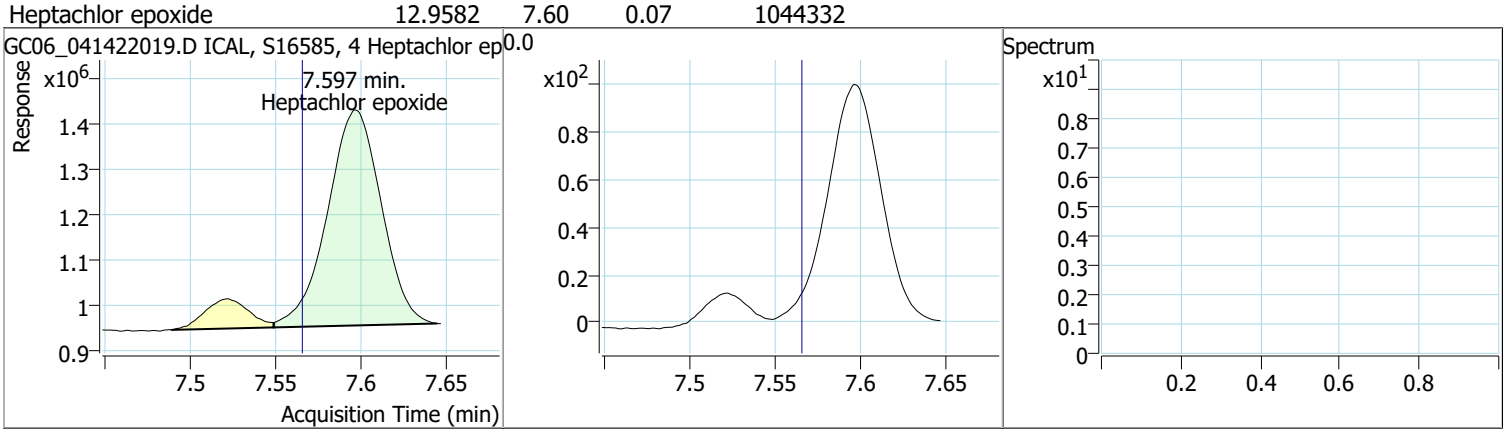
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	14.6807	6.74	0.04	1231822			



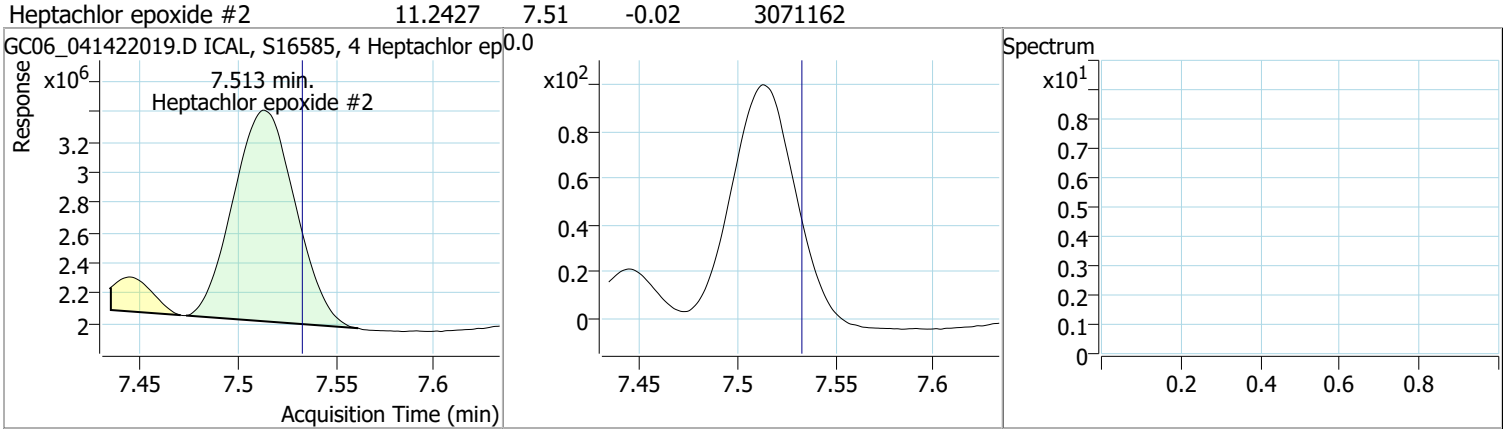
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	0.5761	6.75	0.03	147229			



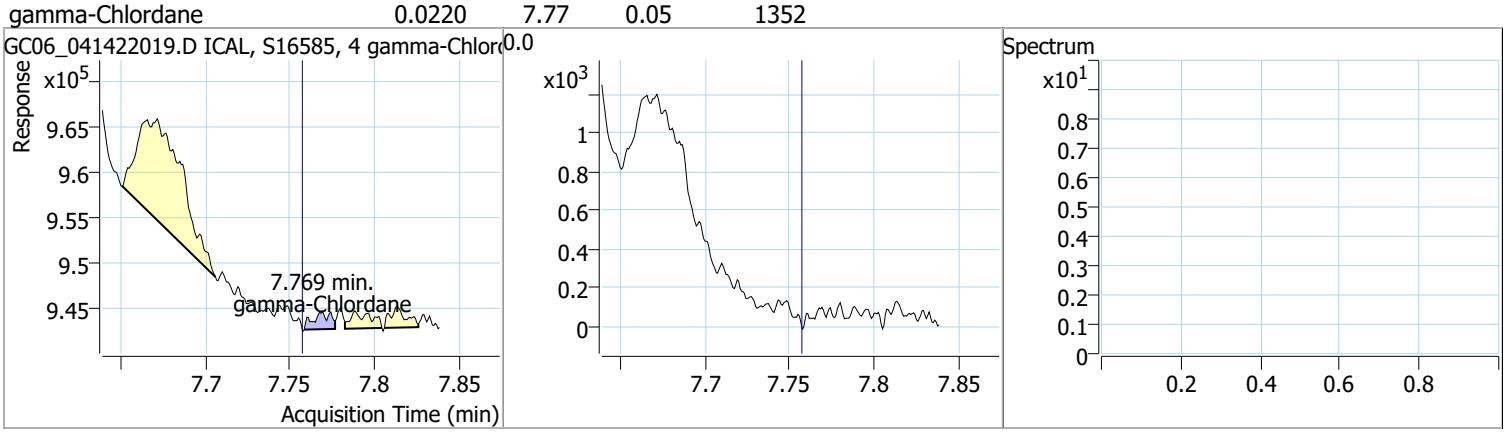
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	12.9582	7.60	0.07	1044332			



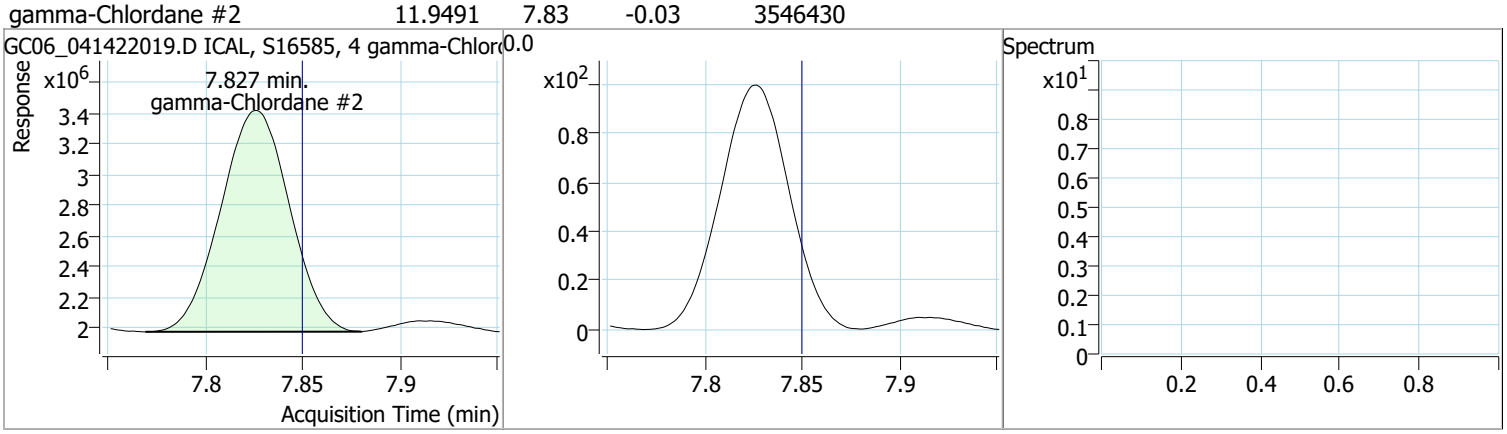
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	11.2427	7.51	-0.02	3071162			



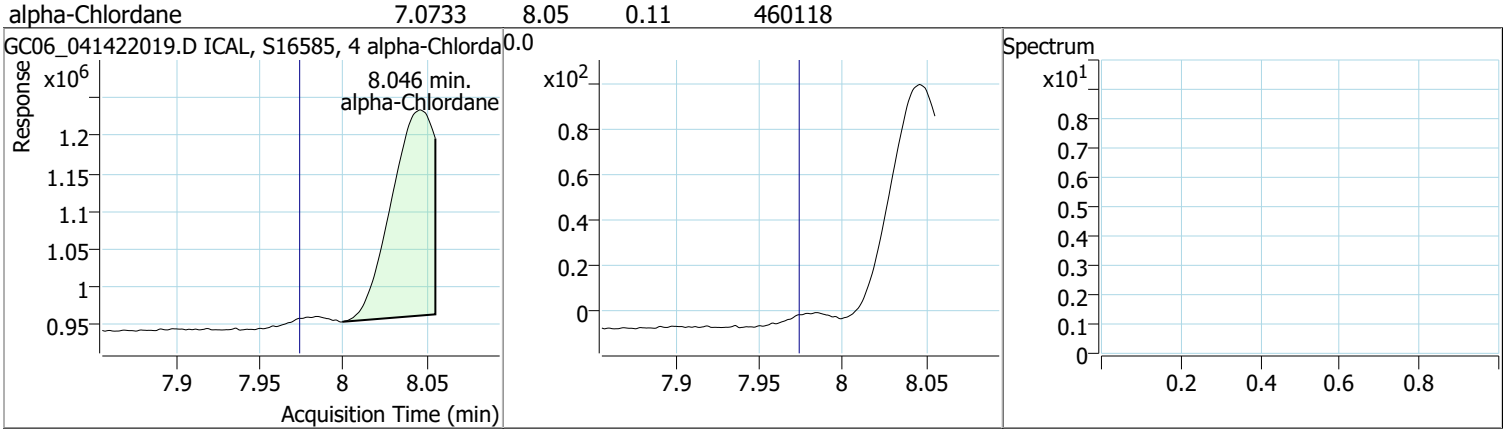
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.0220	7.77	0.05	1352			



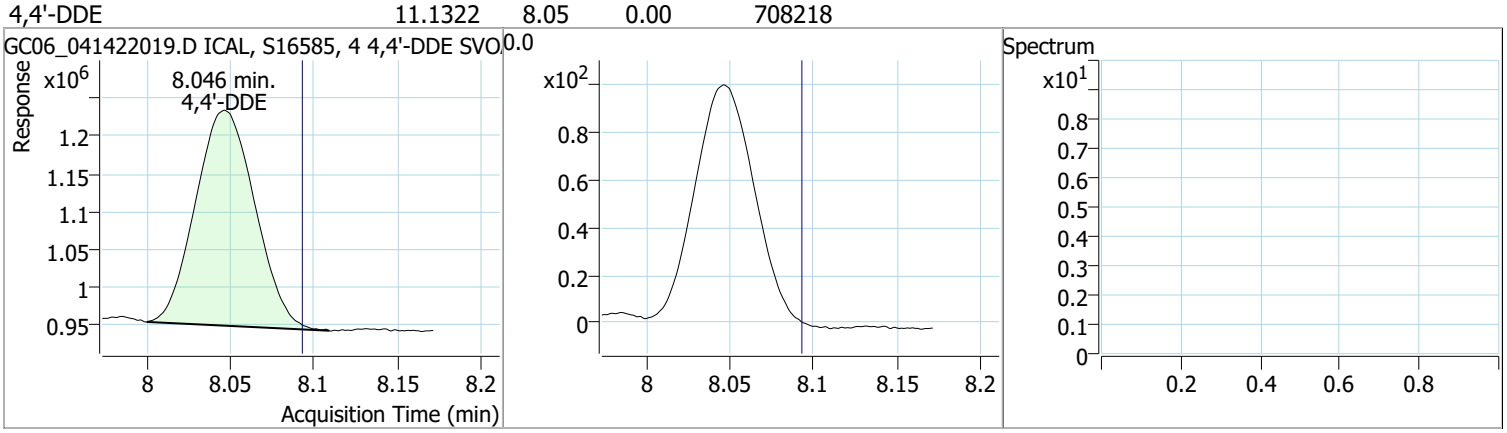
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	11.9491	7.83	-0.03	3546430			



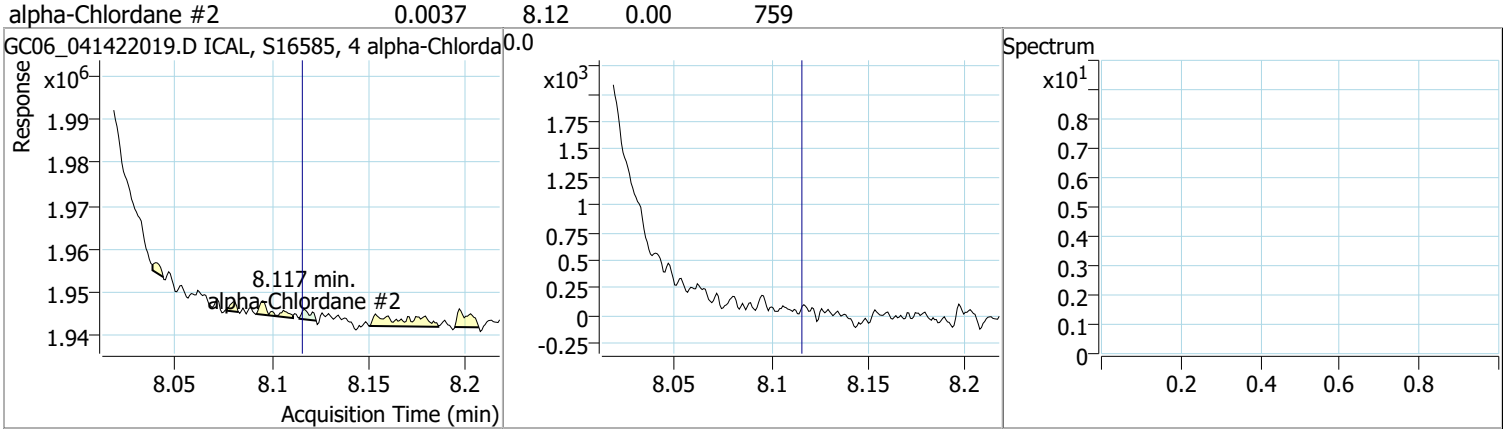
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	7.0733	8.05	0.11	460118			



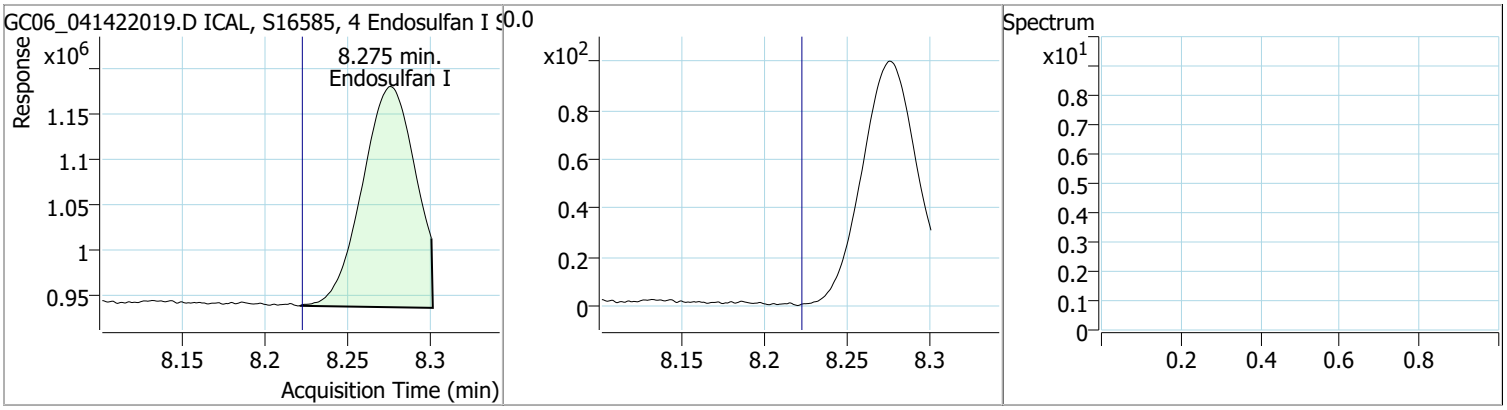
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	11.1322	8.05	0.00	708218			



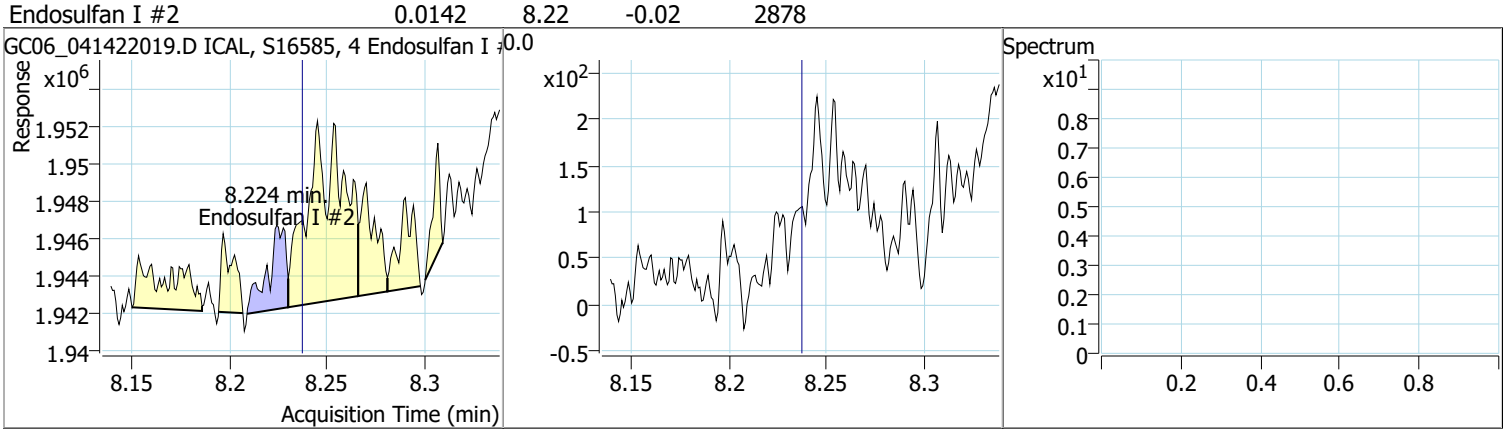
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane #2	0.0037	8.12	0.00	759			



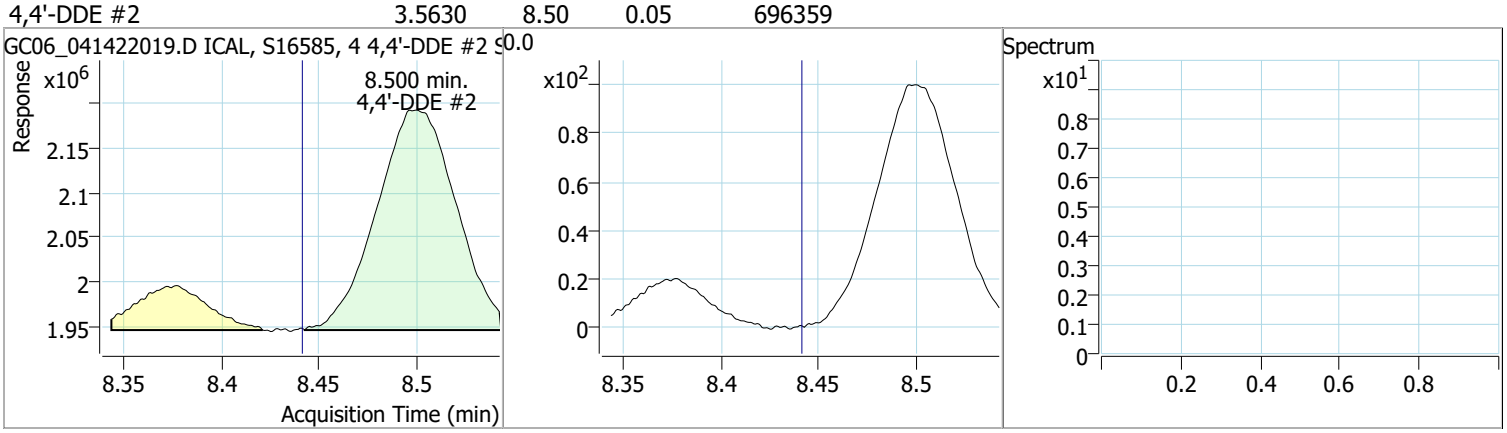
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	8.8210	8.28	0.10	543392			



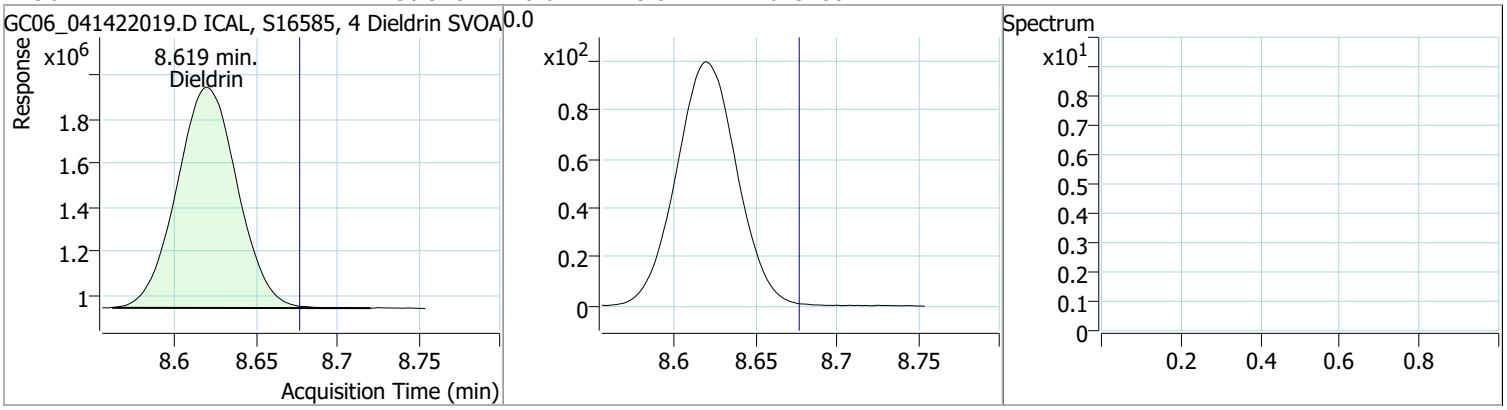
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I #2	0.0142	8.22	-0.02	2878			



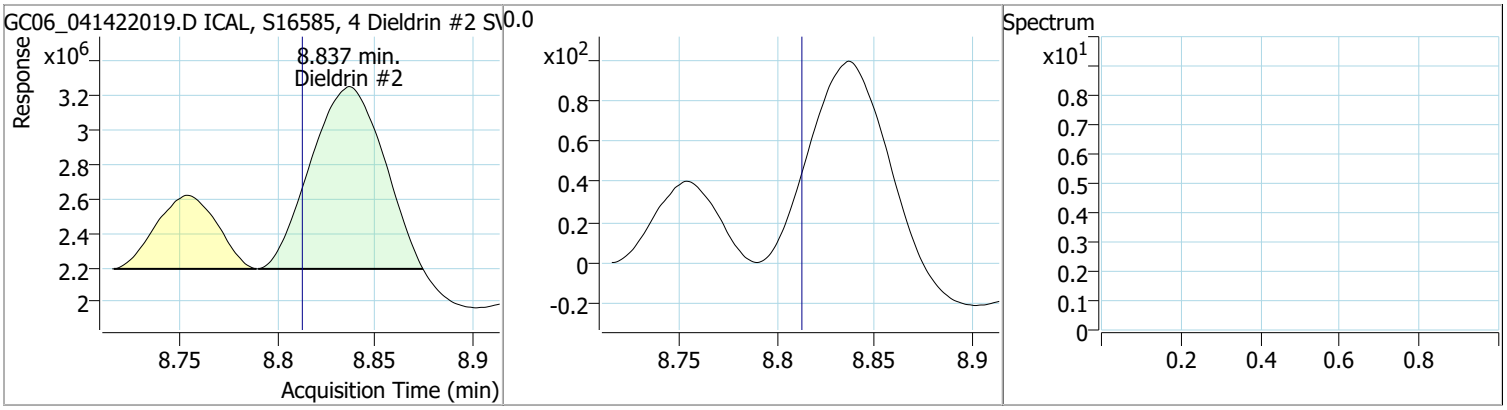
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	3.5630	8.50	0.05	696359			



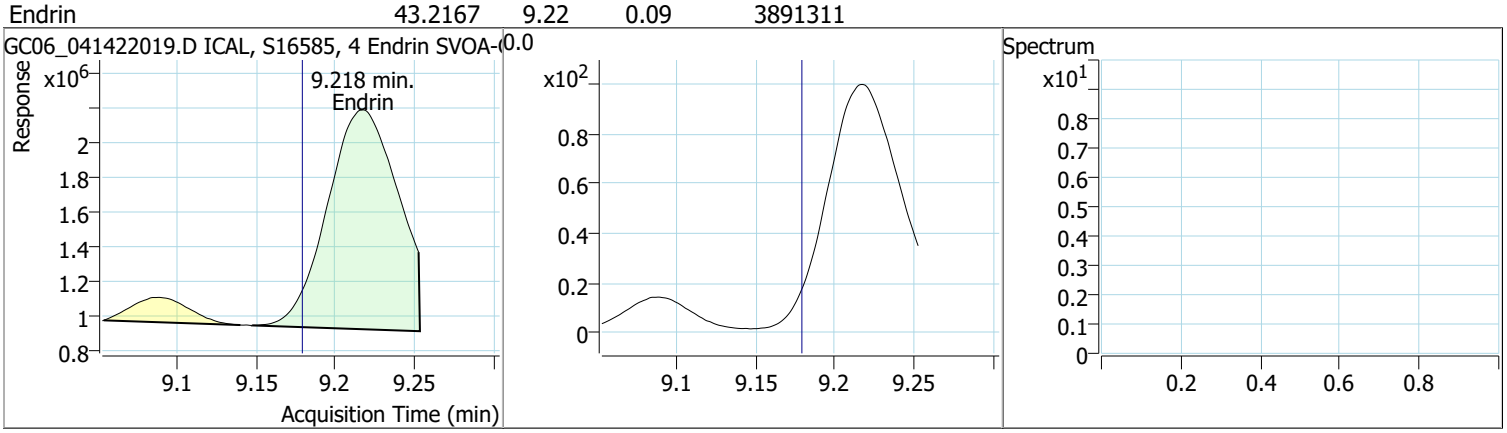
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin	30.9404	8.62	-0.01	2625480			



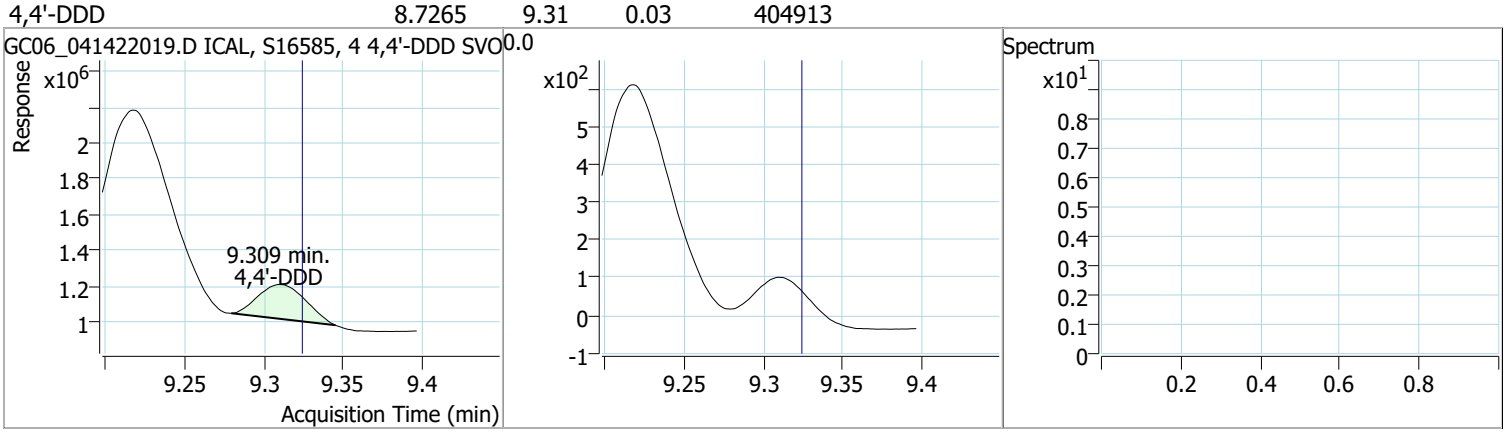
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	11.7221	8.84	0.02	2765724			



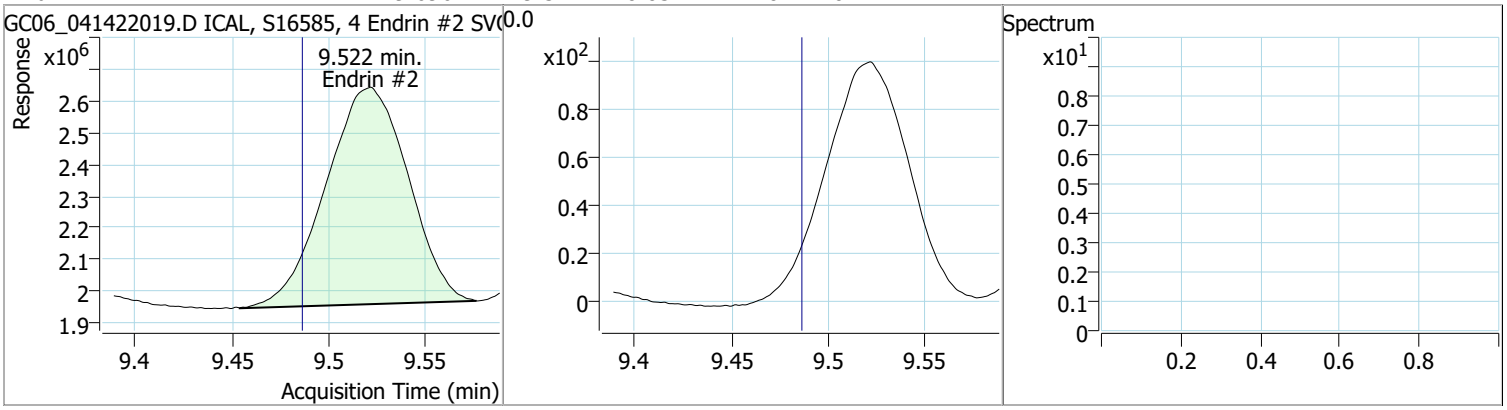
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin	43.2167	9.22	0.09	3891311			



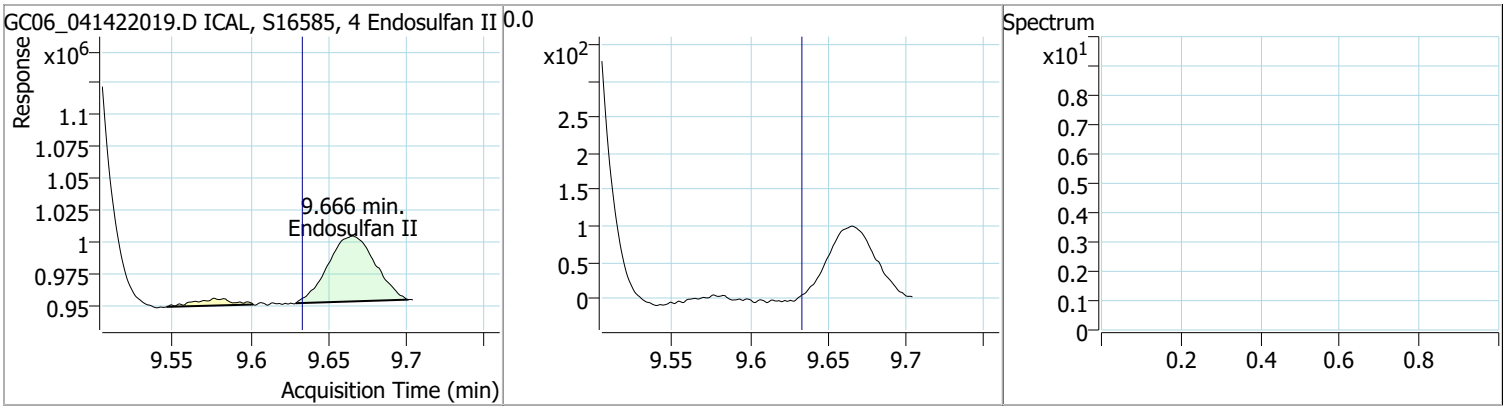
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	8.7265	9.31	0.03	404913			



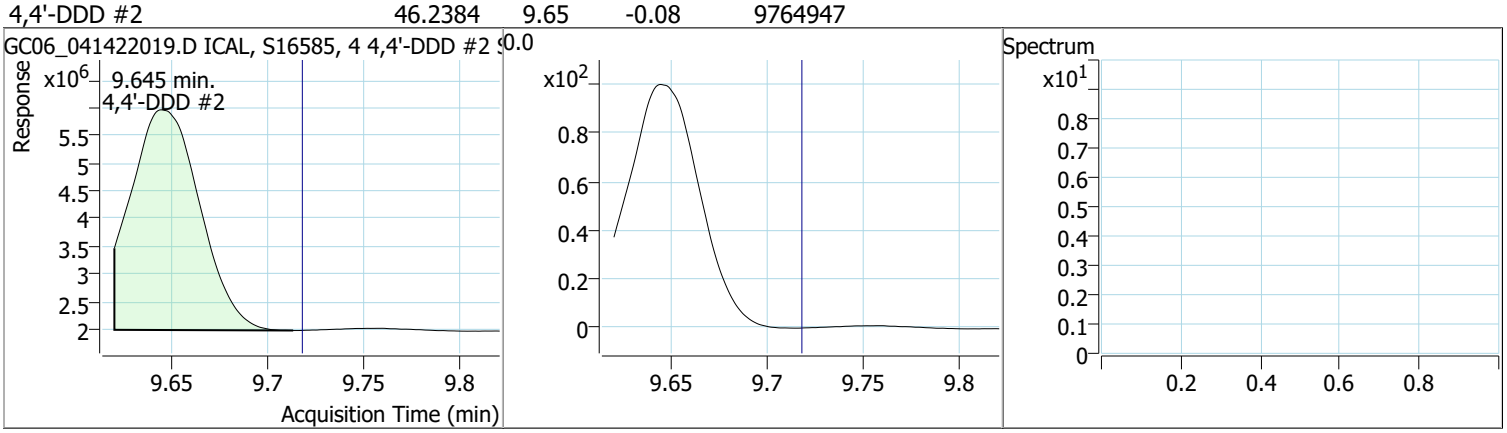
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin #2	9.6962	9.52	0.03	2017240			



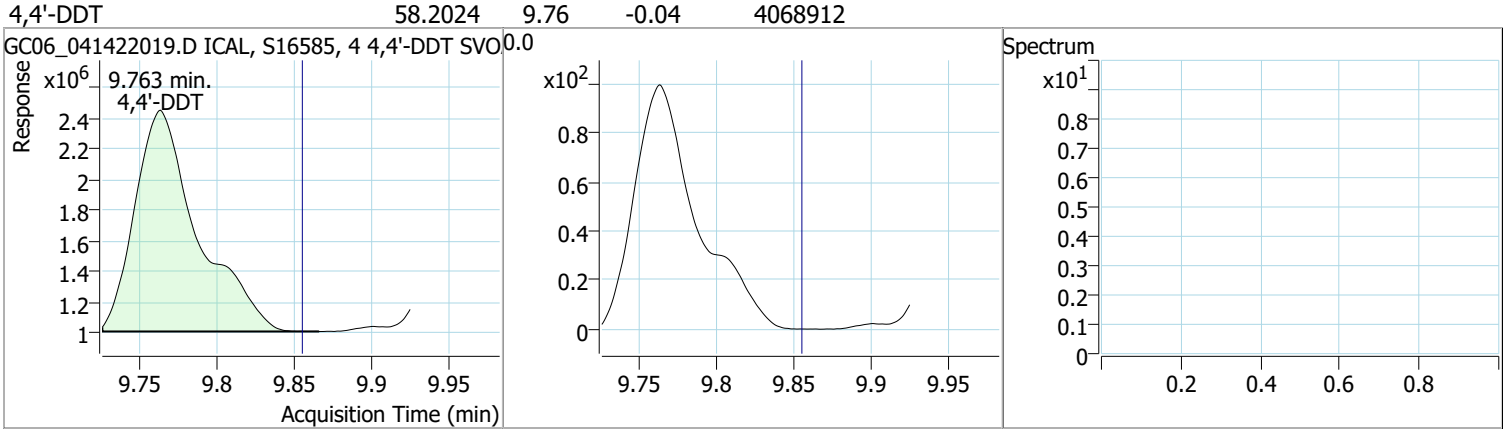
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II	1.8314	9.67	0.08	108827			



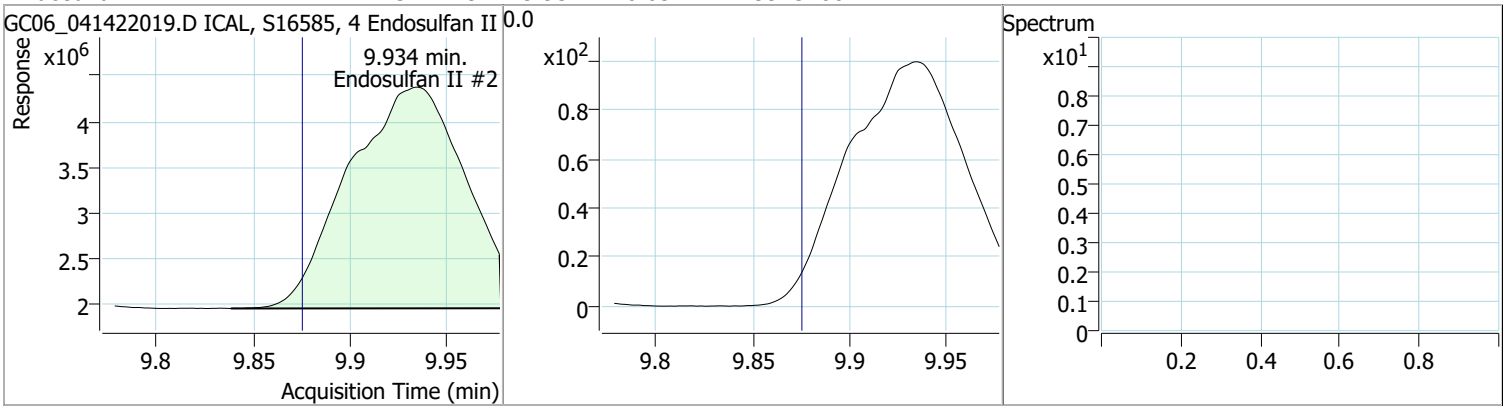
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	46.2384	9.65	-0.08	9764947			



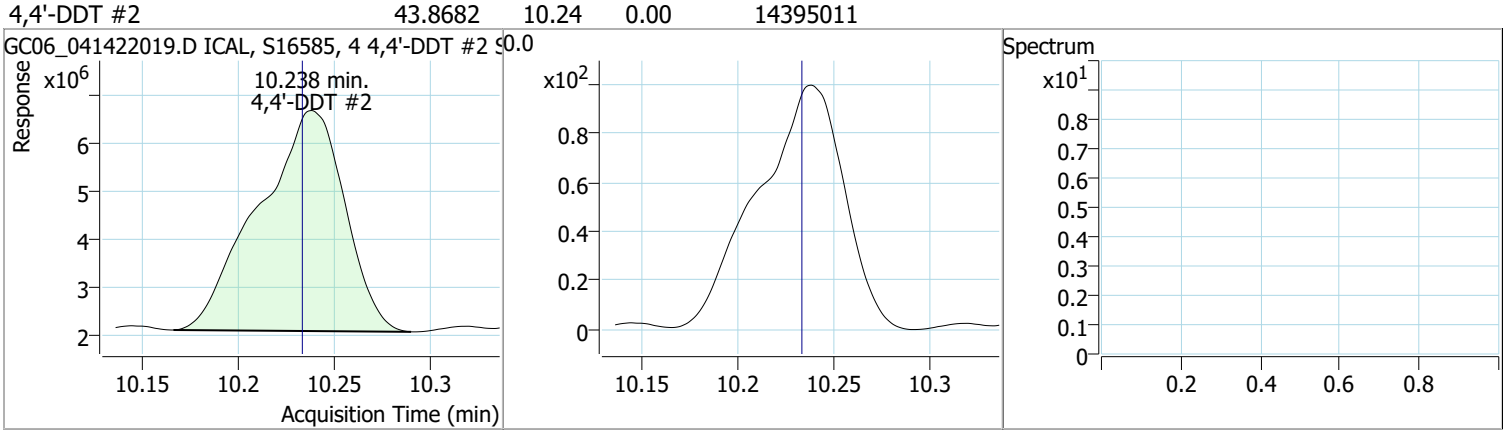
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	58.2024	9.76	-0.04	4068912			



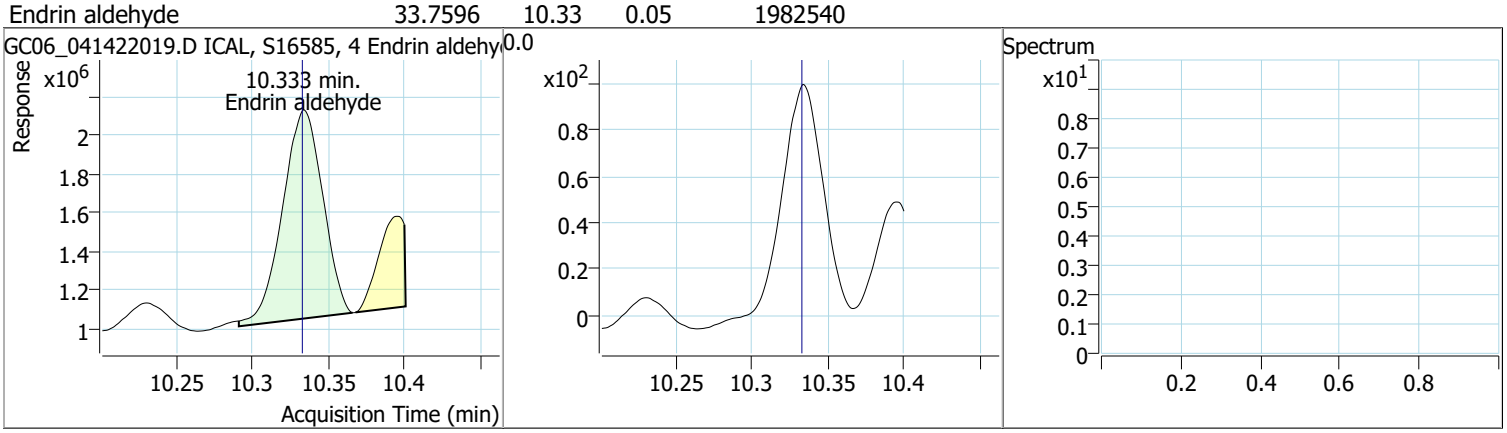
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	34.2279	9.93	0.05	9923288			



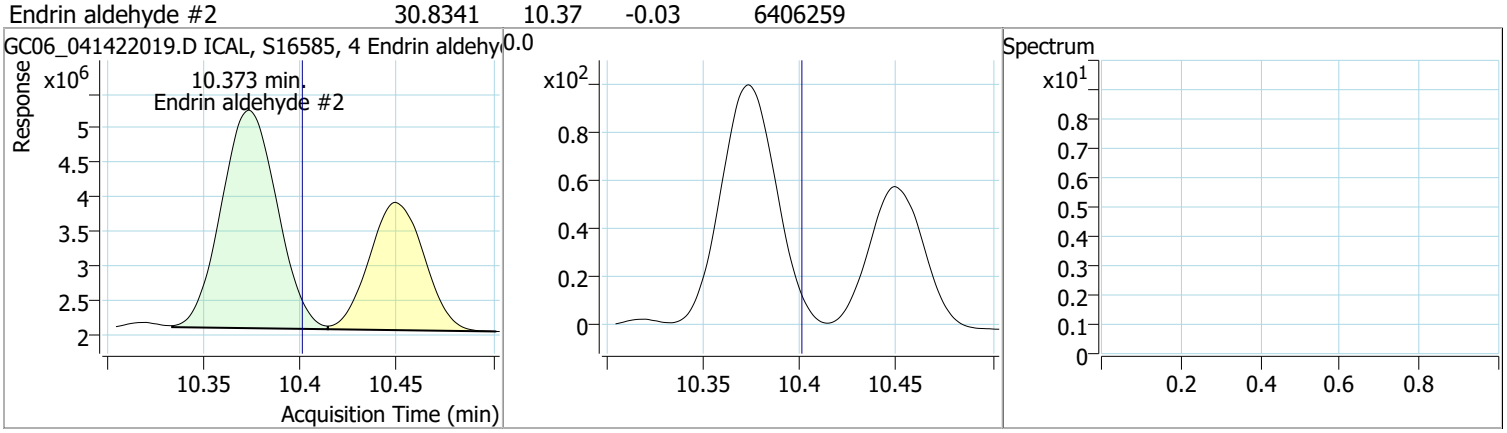
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	43.8682	10.24	0.00	14395011			



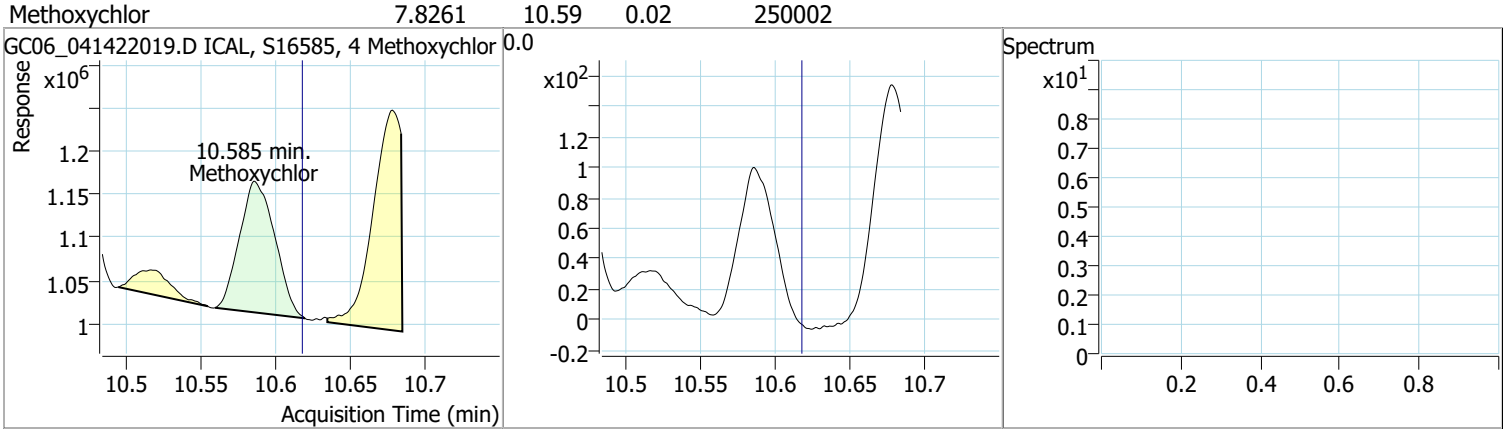
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	33.7596	10.33	0.05	1982540			



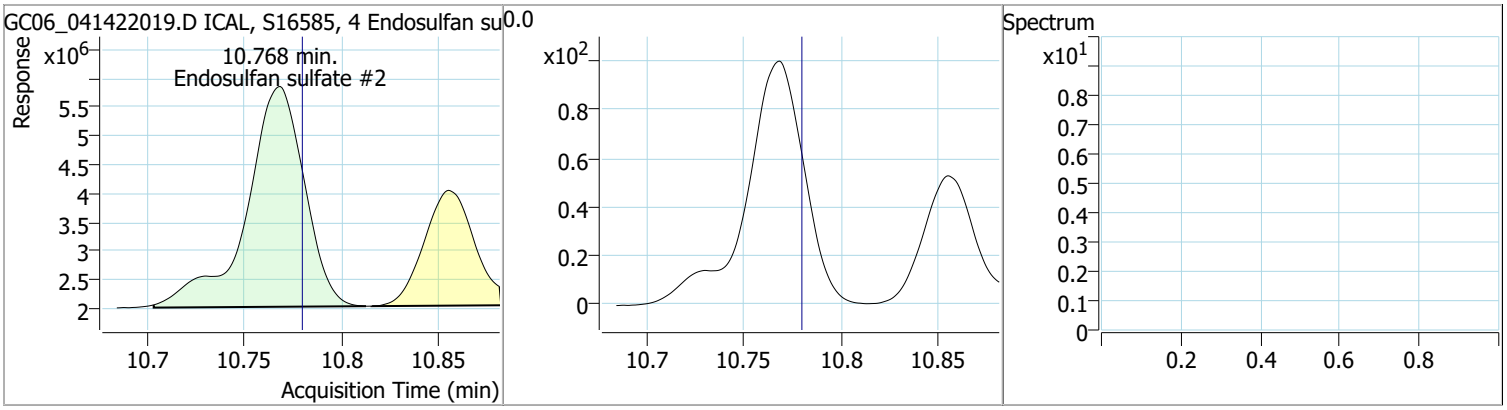
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	30.8341	10.37	-0.03	6406259			



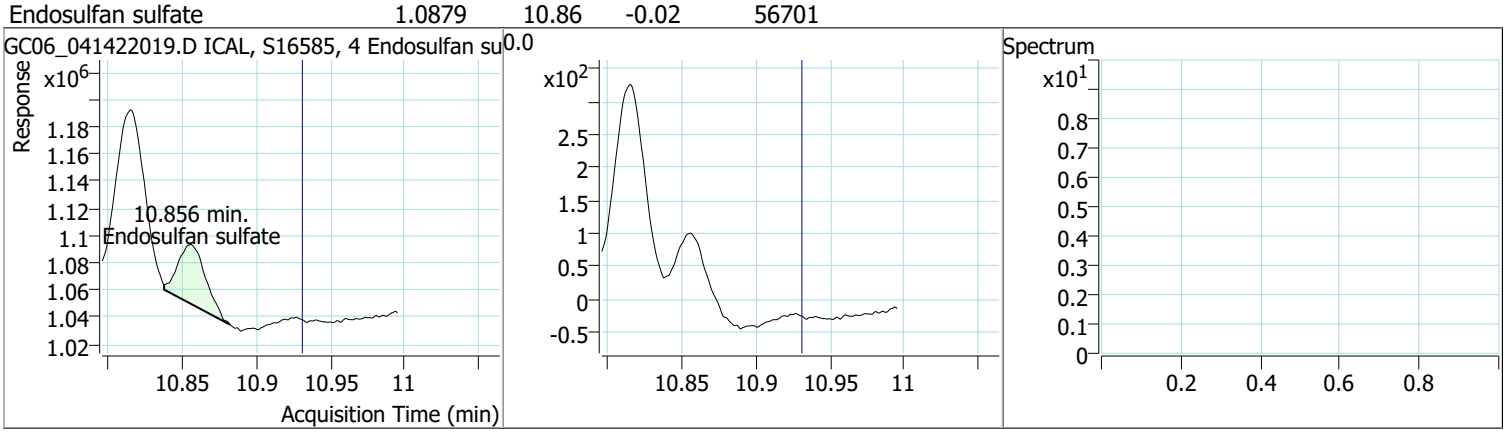
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	7.8261	10.59	0.02	250002			



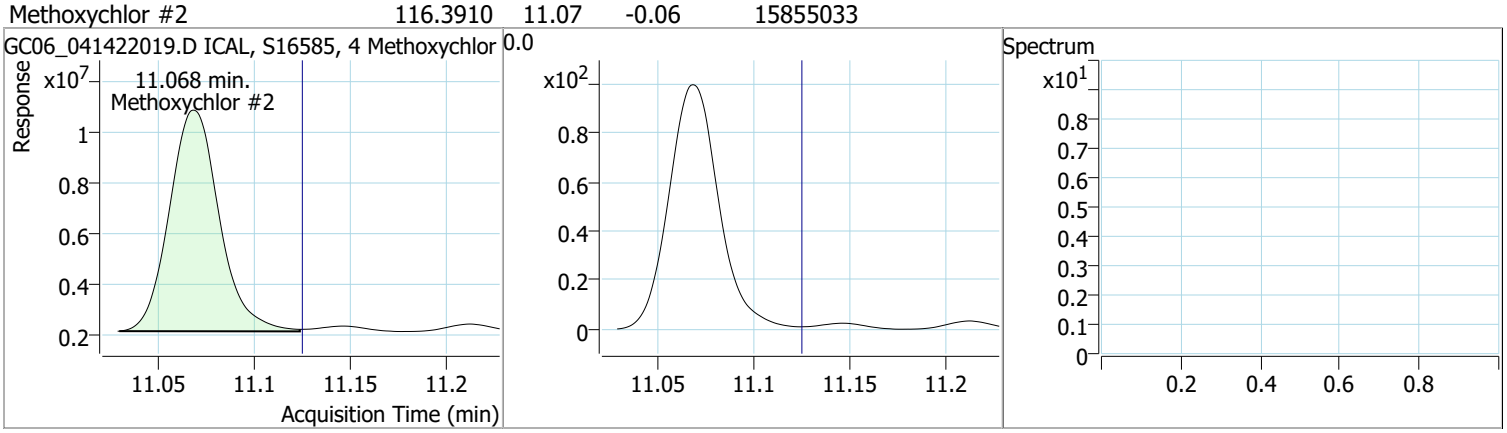
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	33.2100	10.77	-0.02	8033382			



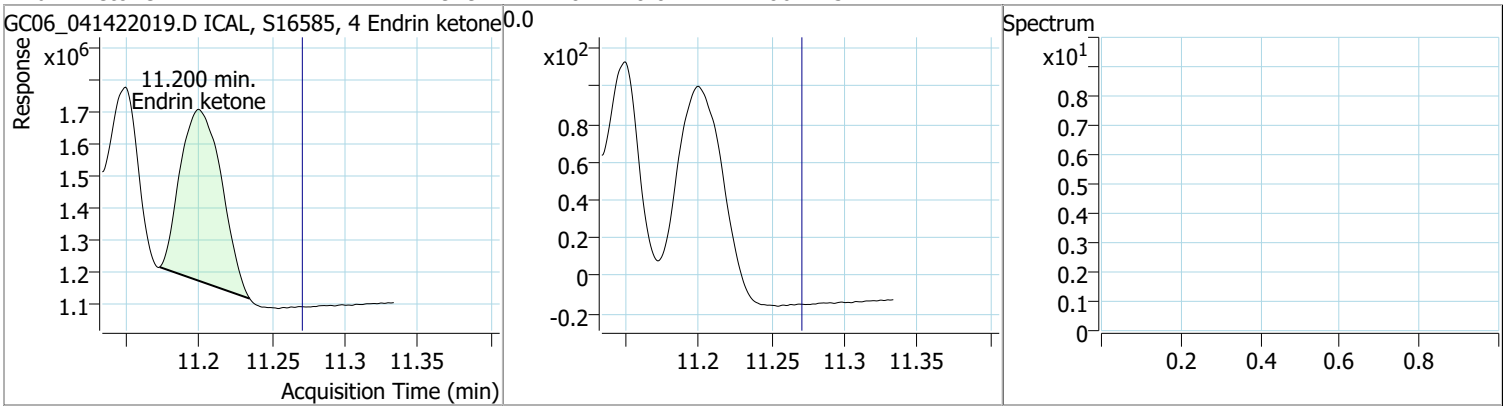
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	1.0879	10.86	-0.02	56701			



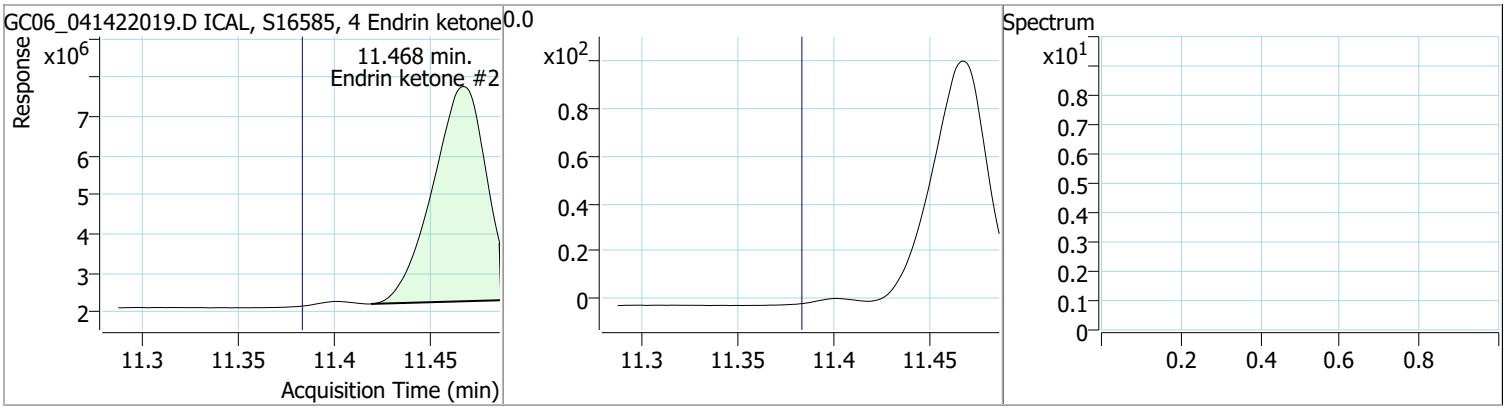
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	116.3910	11.07	-0.06	15855033			



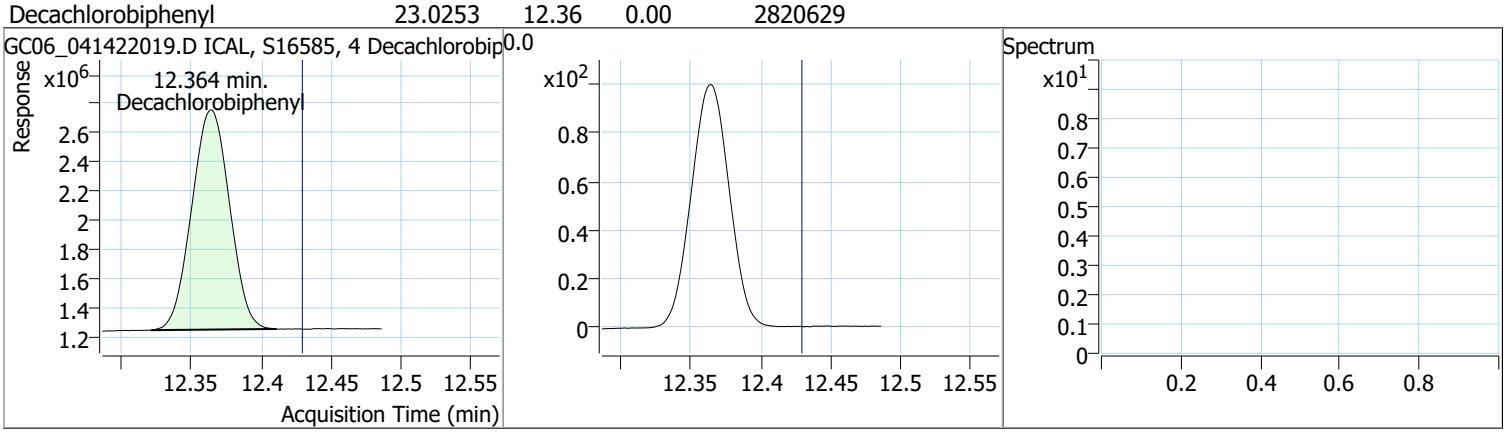
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	14.4919	11.20	-0.01	1061145			



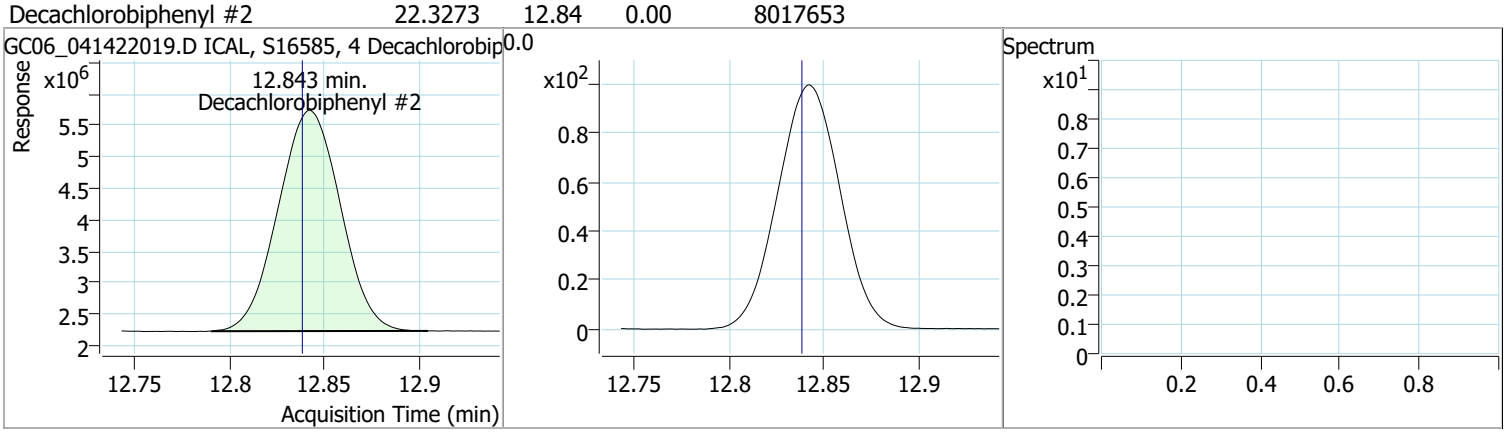
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	33.4941	11.47	0.08	10465973			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	23.0253	12.36	0.00	2820629			

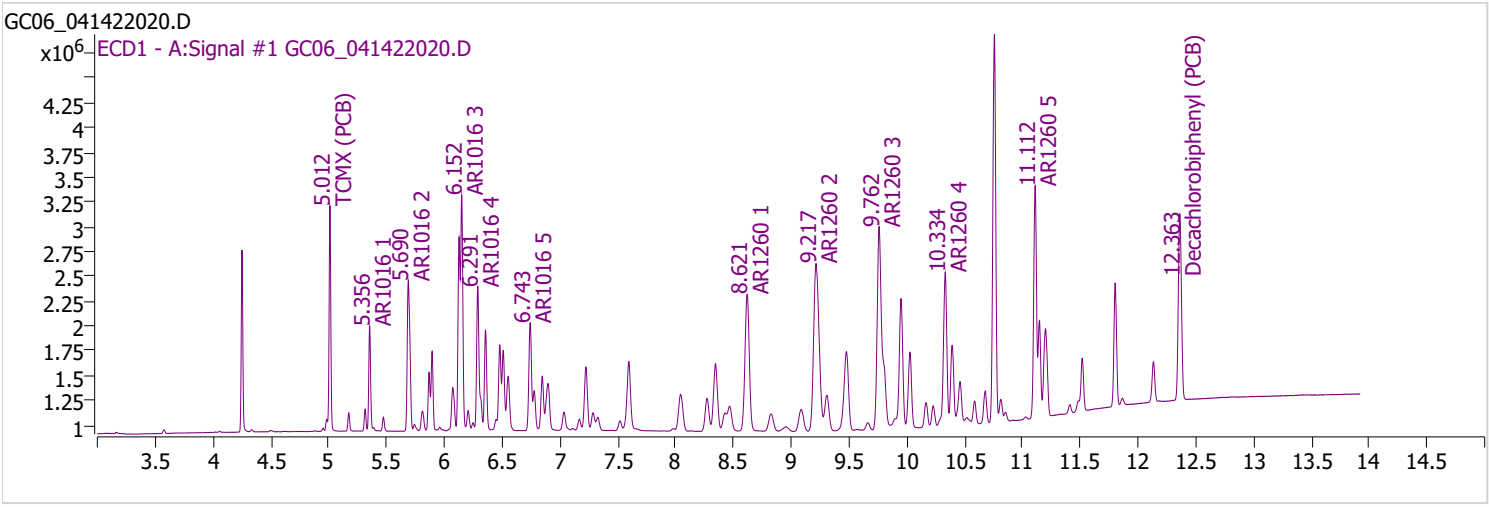


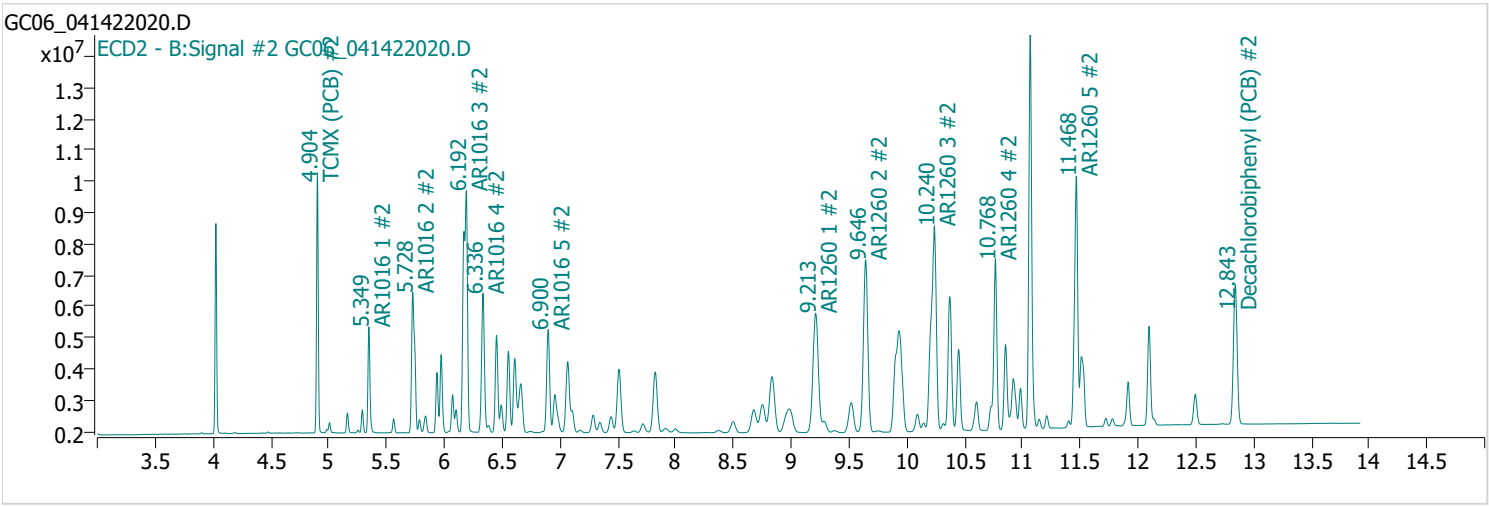
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	22.3273	12.84	0.00	8017653			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422020.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 8:09:10 PM
Sample Name	ICAL, S16585, 2.667	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 116	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



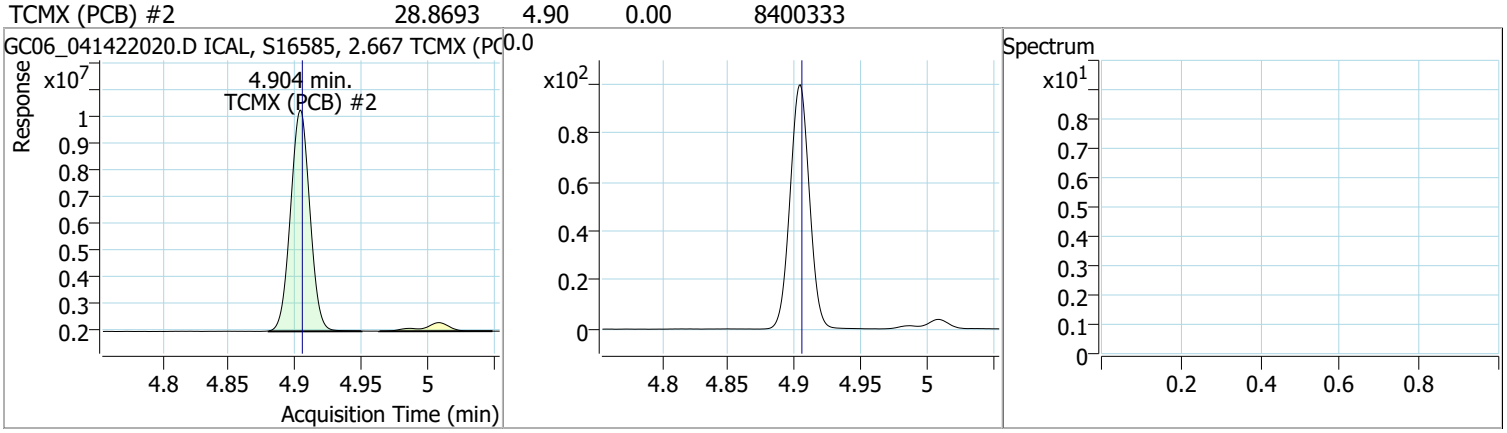


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.252	4.026	1763666	6352752	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.012	4.904	2330516	8400333	27.472	28.869	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	137.36%	144.35%	
S Decachlorobiphenyl (PCB)	12.363	12.843	3562364	10139248	26.565	26.450	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	132.83%	132.25%	
Target Compounds							
T AR1016 1	5.356	5.349	1182989	4107171	685.721	690.379	ng/ml
T AR1016 2	5.690	5.728	2494294	8581795	664.021	695.108	ng/ml
T AR1016 3	6.152	6.192	3076509	11225999 m	695.909	689.478	ng/ml
T AR1016 4	6.291	6.336	2275238	7617947	687.738	689.645	ng/ml
T AR1016 5	6.743	6.900	1716697	6004720	670.817	695.298	ng/ml
T AR1260 1	8.621	9.213	3611803	12566233 m	650.738	653.566	ng/ml
T AR1260 2	9.217	9.646	5576918	14609281	652.363	657.589	ng/ml
T AR1260 3	9.762	10.240	5970444 m	19985948	671.815	662.146	ng/ml
T AR1260 4	10.334	10.768	2920176	10976814	660.702	672.070	ng/ml

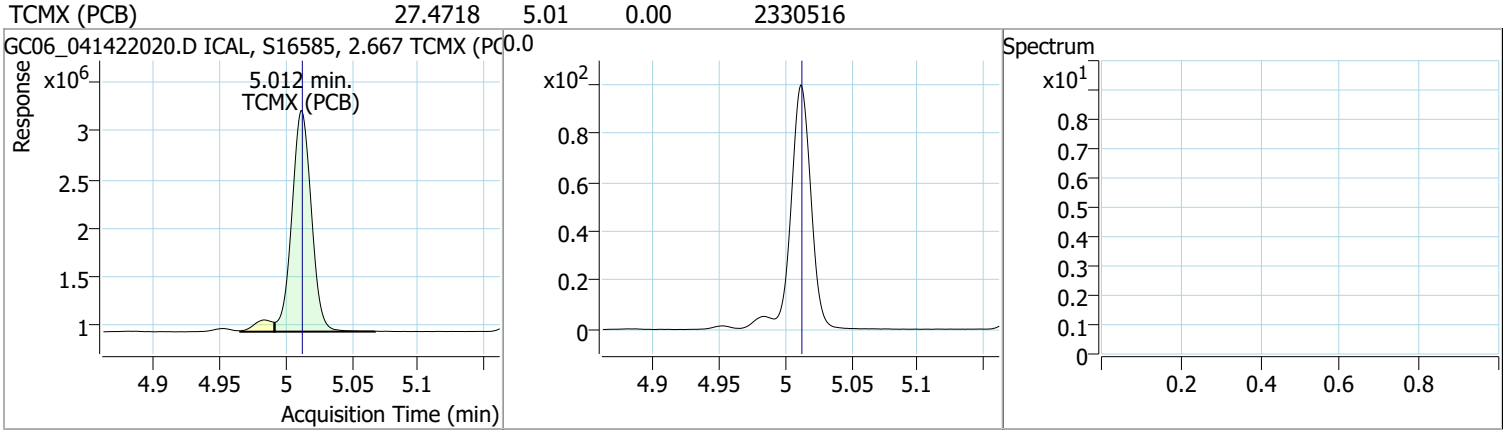
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.112	11.468	3951886	15787028	675.565	655.606	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

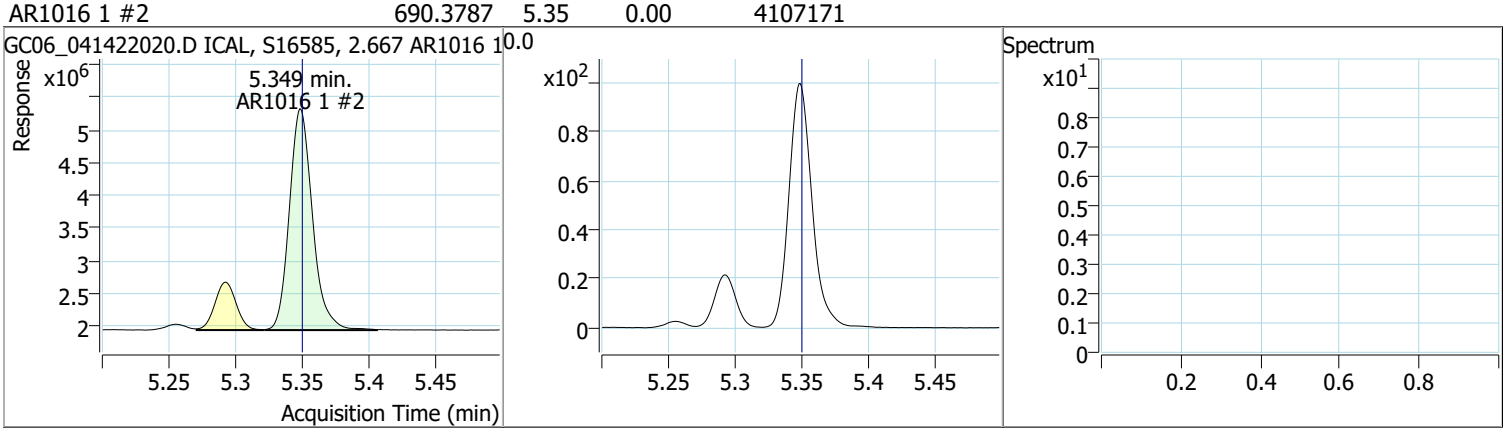
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	28.8693	4.90	0.00	8400333			



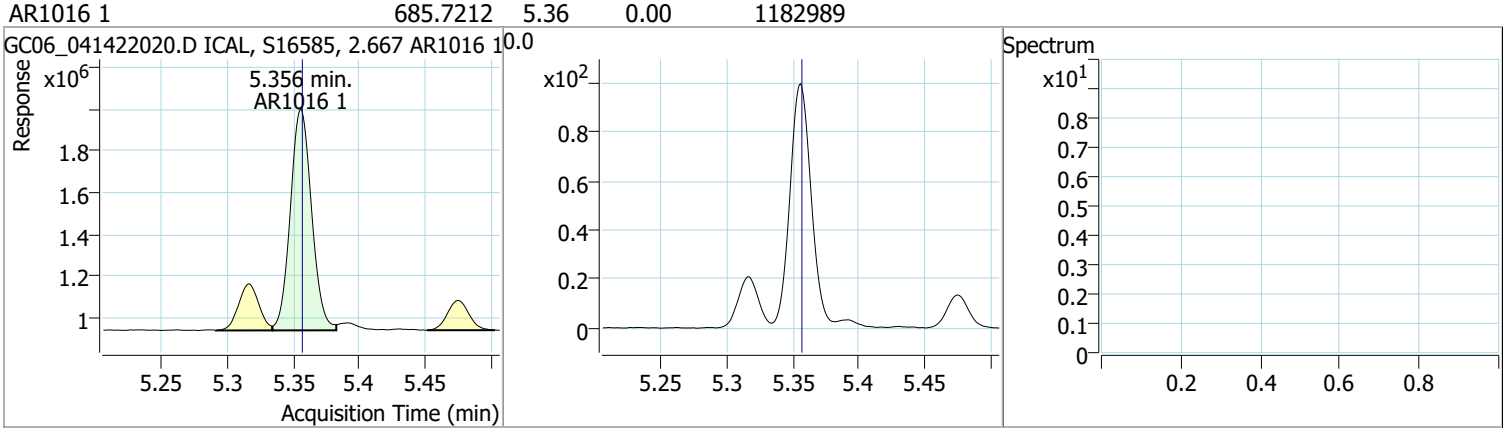
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	27.4718	5.01	0.00	2330516			



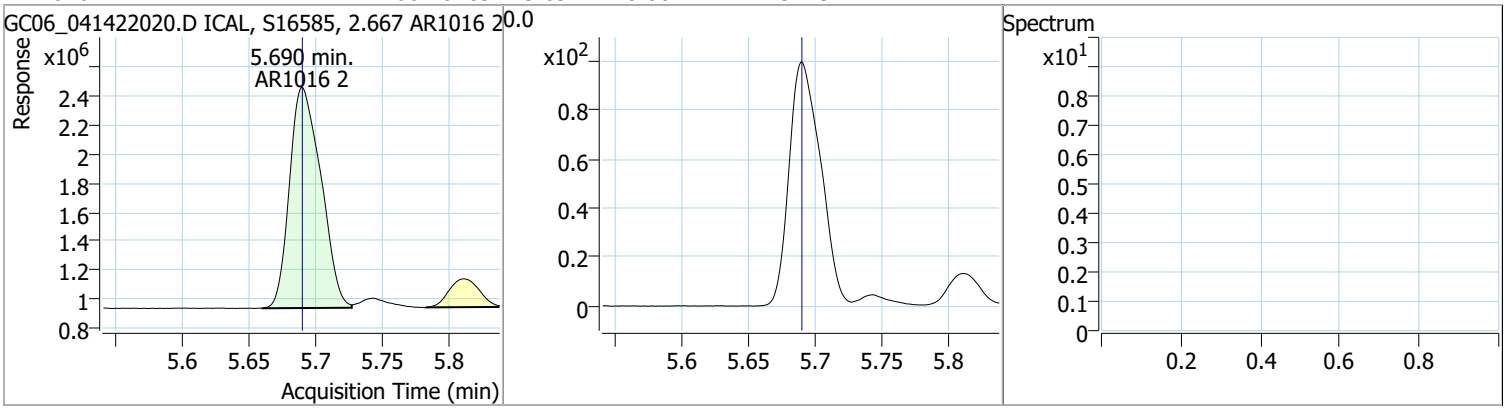
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	690.3787	5.35	0.00	4107171			



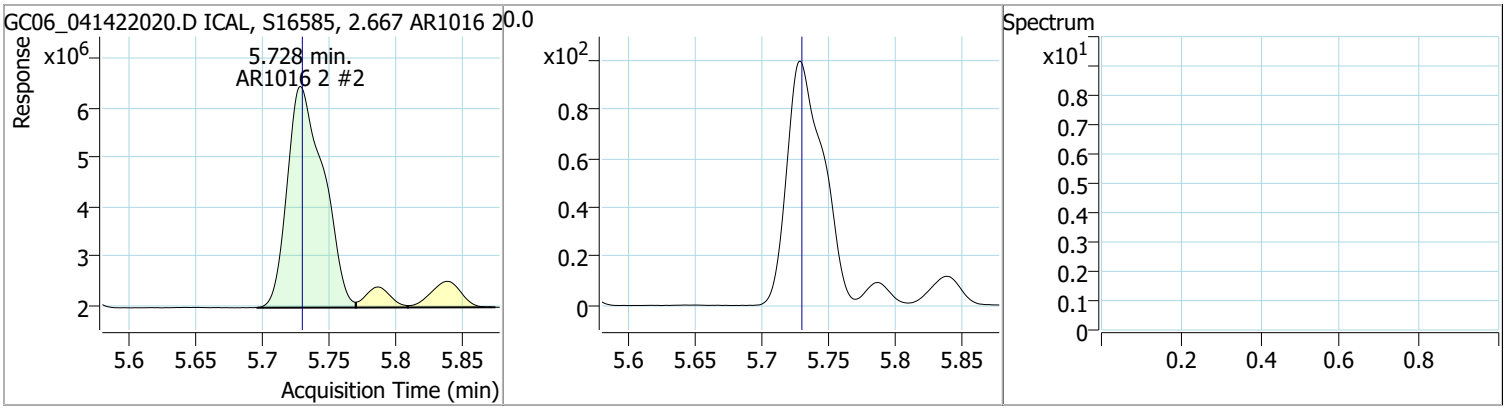
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	685.7212	5.36	0.00	1182989			



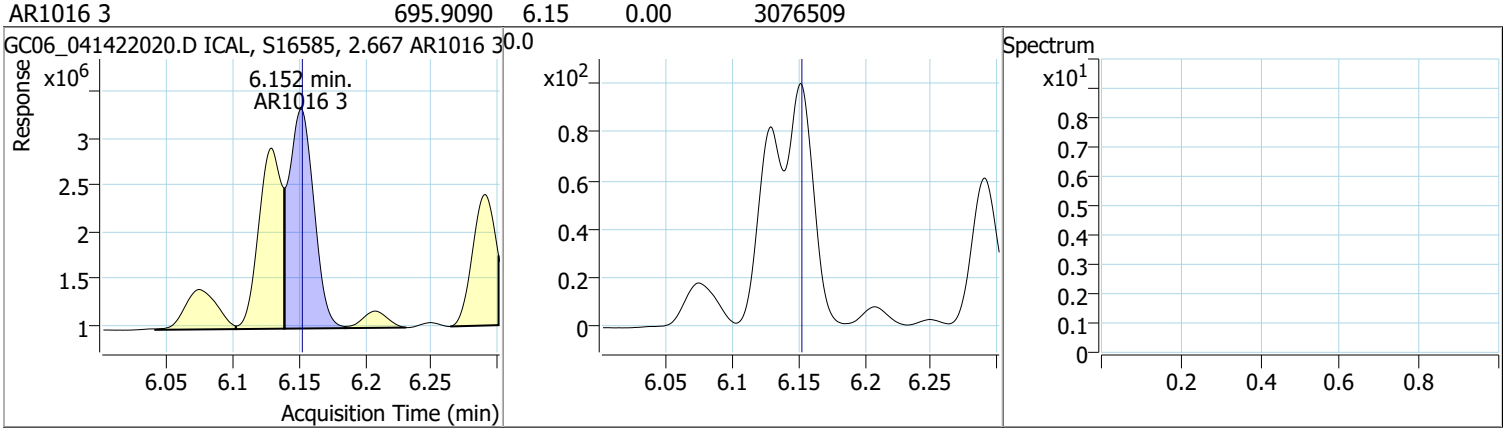
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	664.0209	5.69	0.00	2494294			



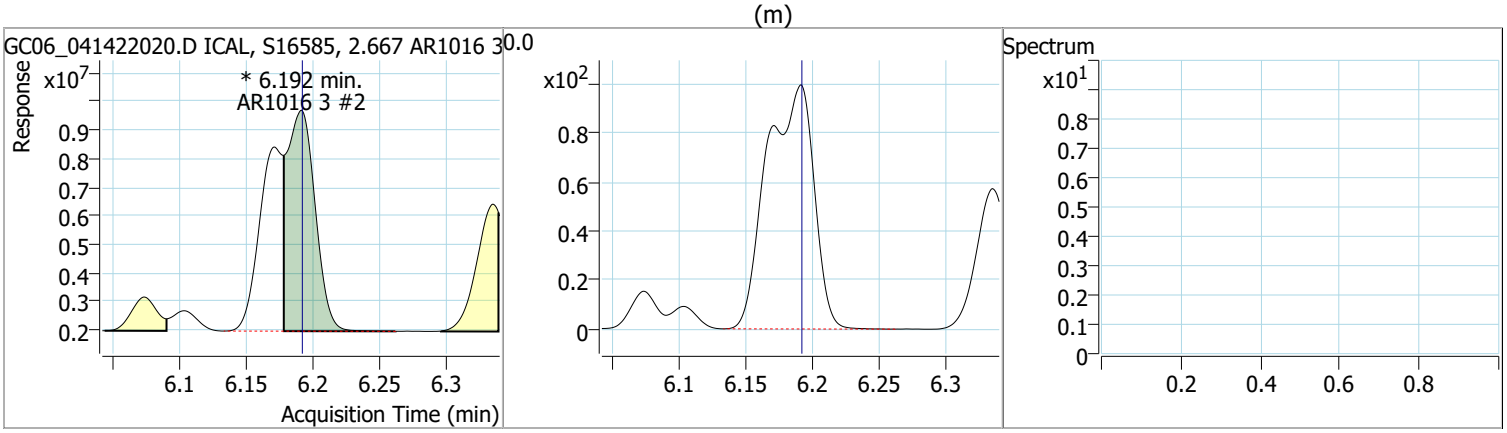
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	695.1082	5.73	0.00	8581795			



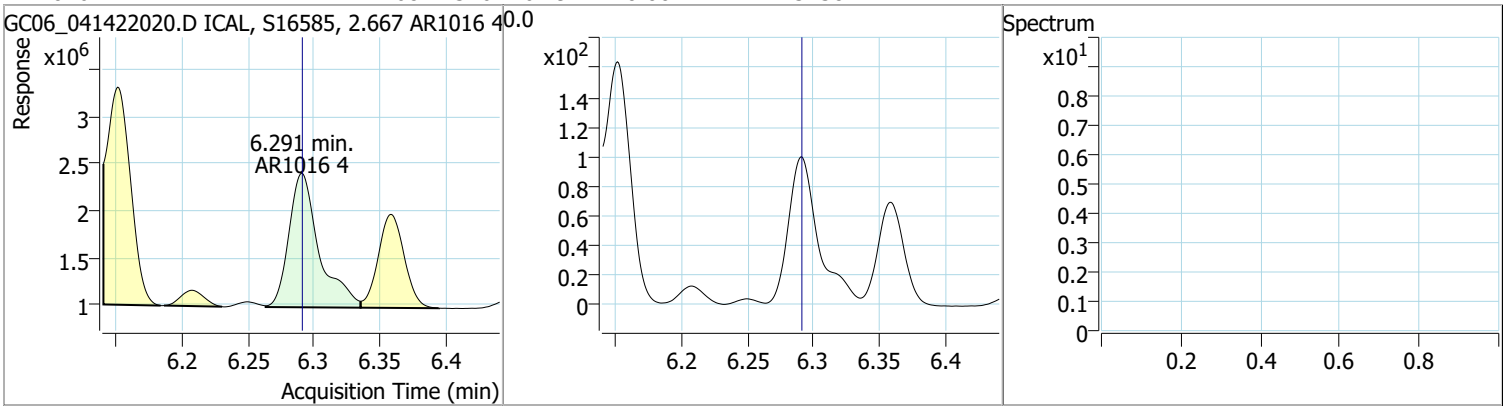
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	695.9090	6.15	0.00	3076509			



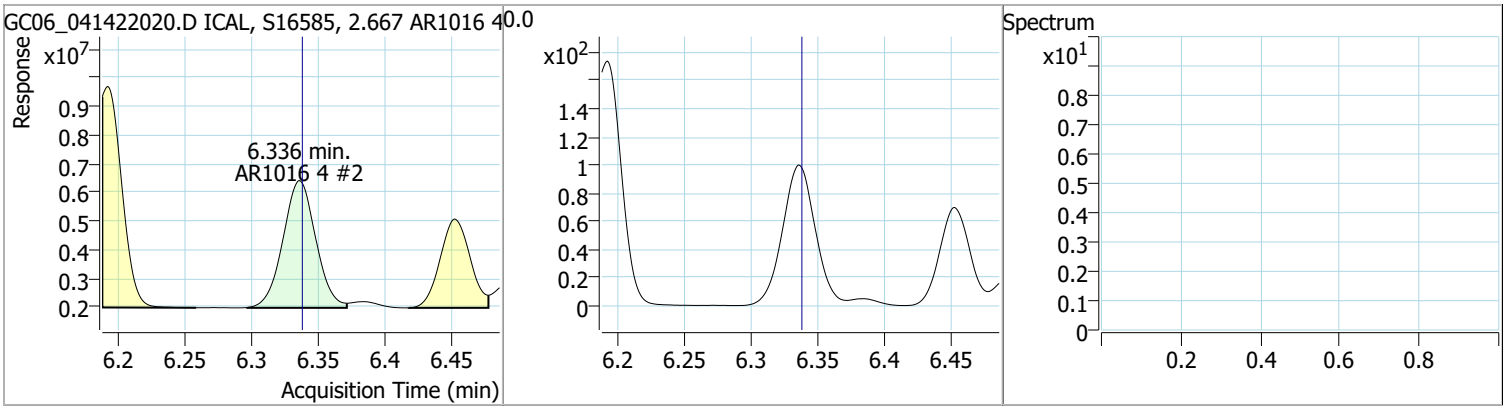
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	689.4777	6.19	0.00	11225999 (m)			



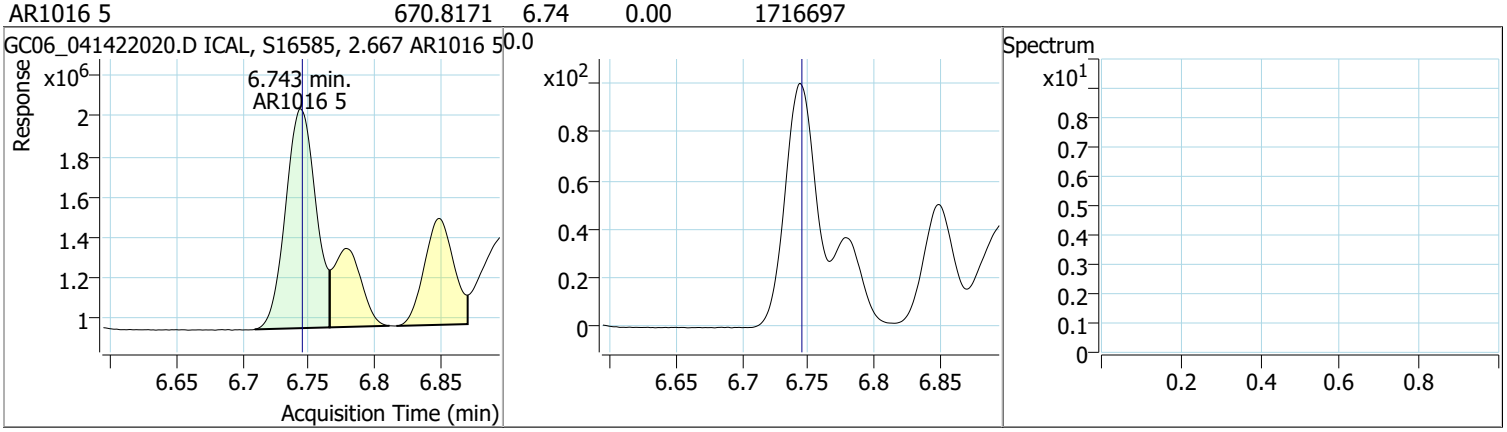
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	687.7376	6.29	0.00	2275238			



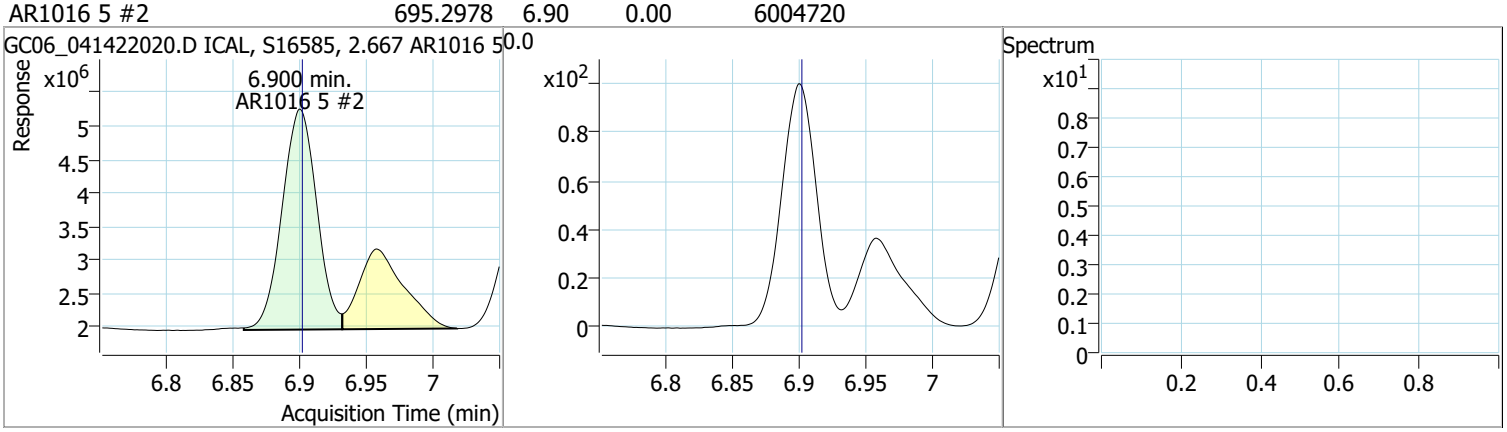
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	689.6447	6.34	0.00	7617947			



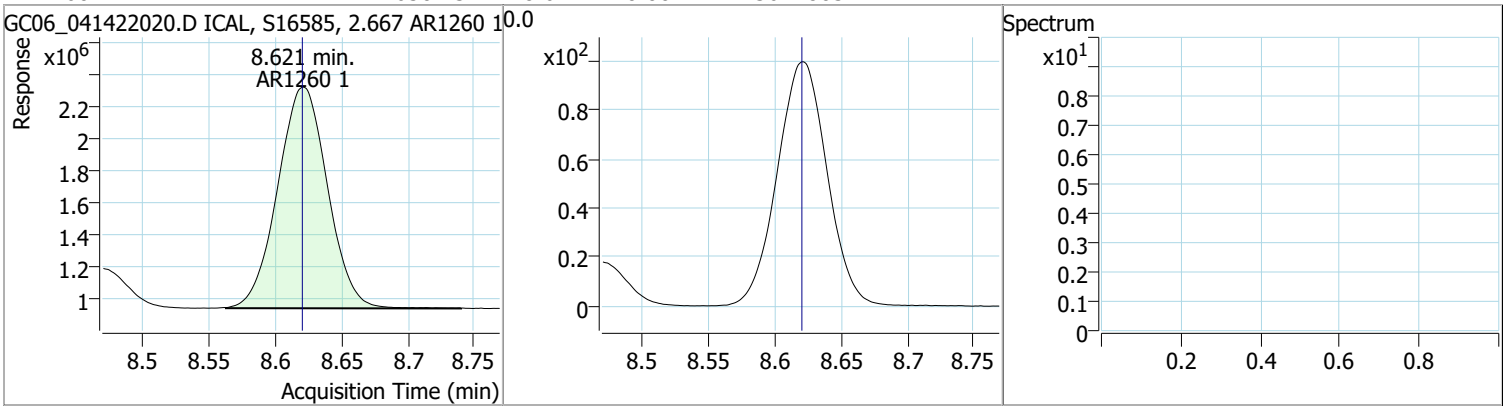
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	670.8171	6.74	0.00	1716697			



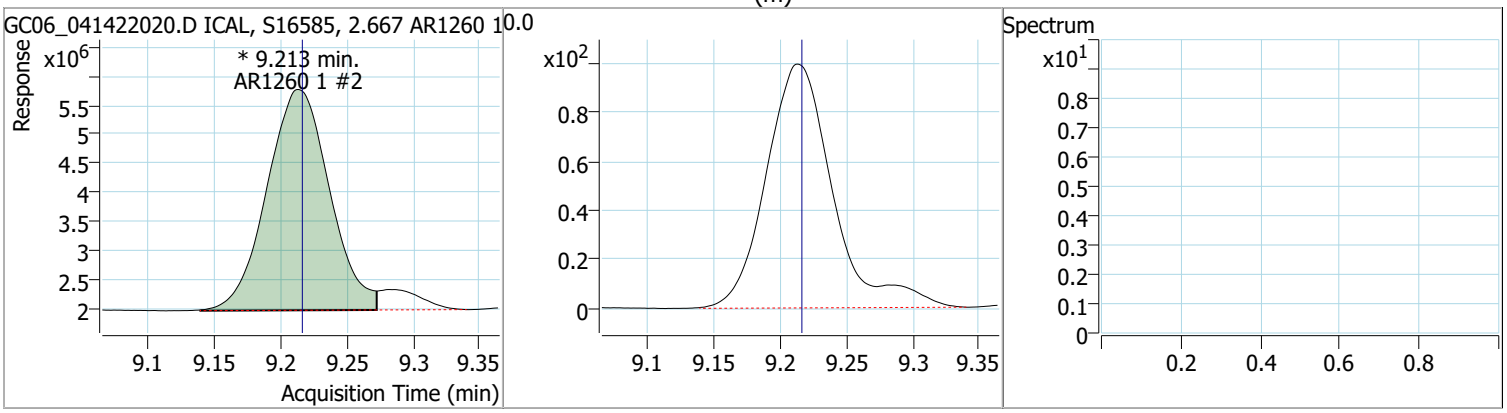
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	695.2978	6.90	0.00	6004720			



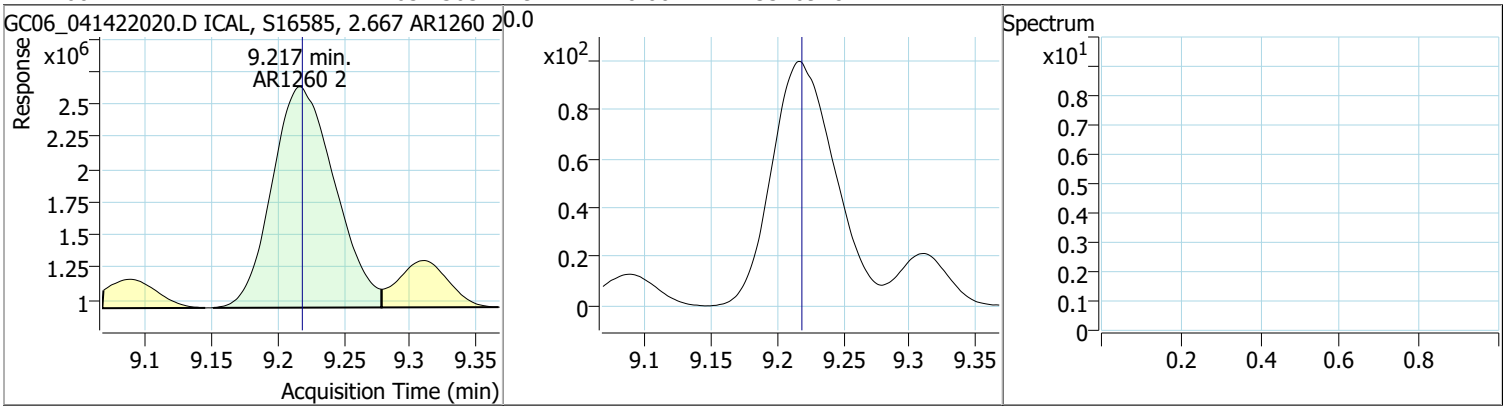
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	650.7377	8.62	0.00	3611803			



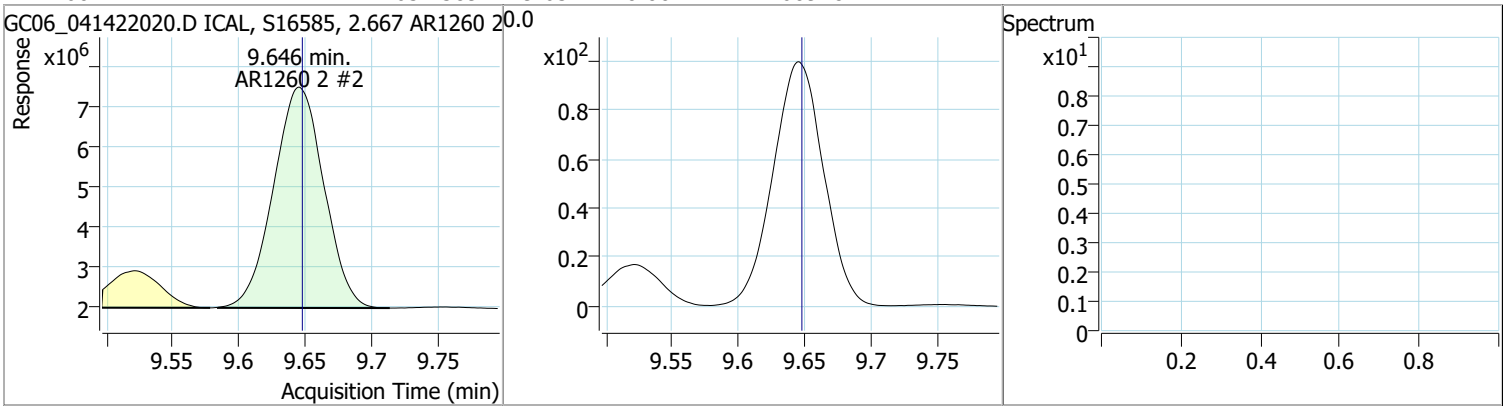
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	653.5660	9.21	0.00	12566233 (m)			



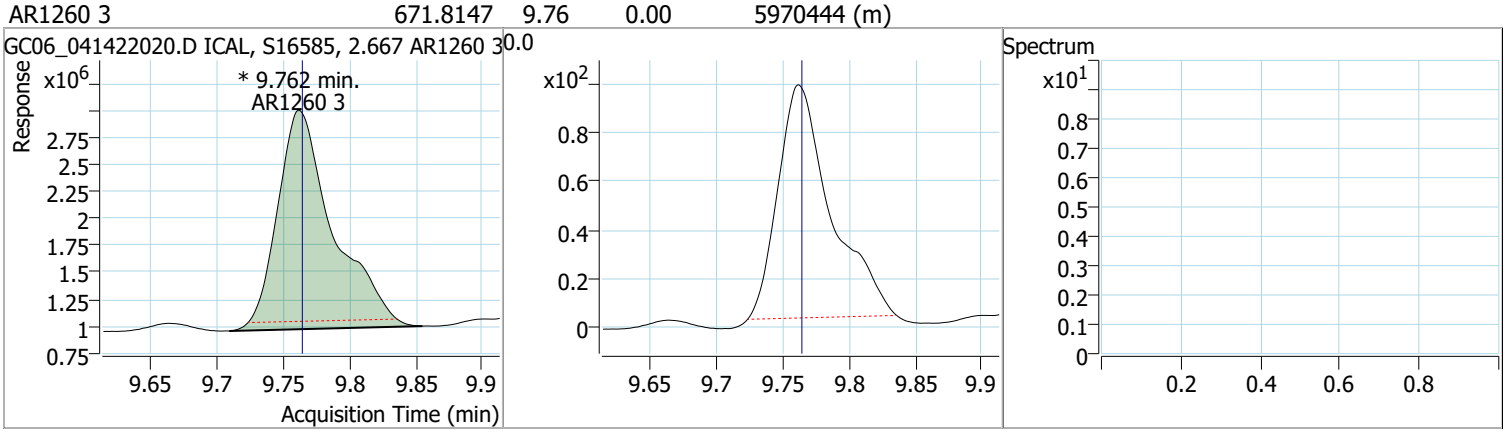
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	652.3634	9.22	0.00	5576918			



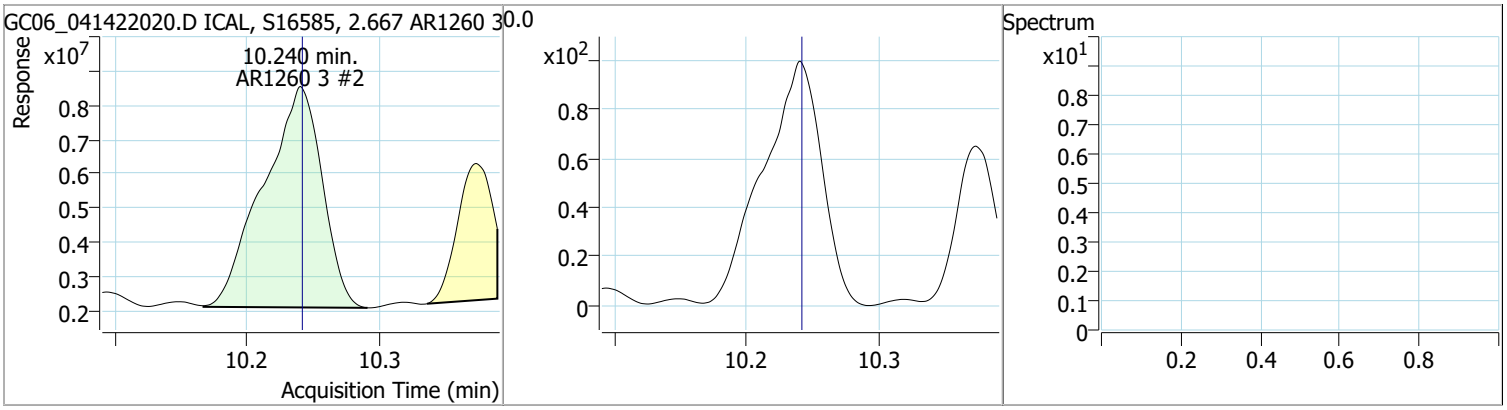
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	657.5894	9.65	0.00	14609281			



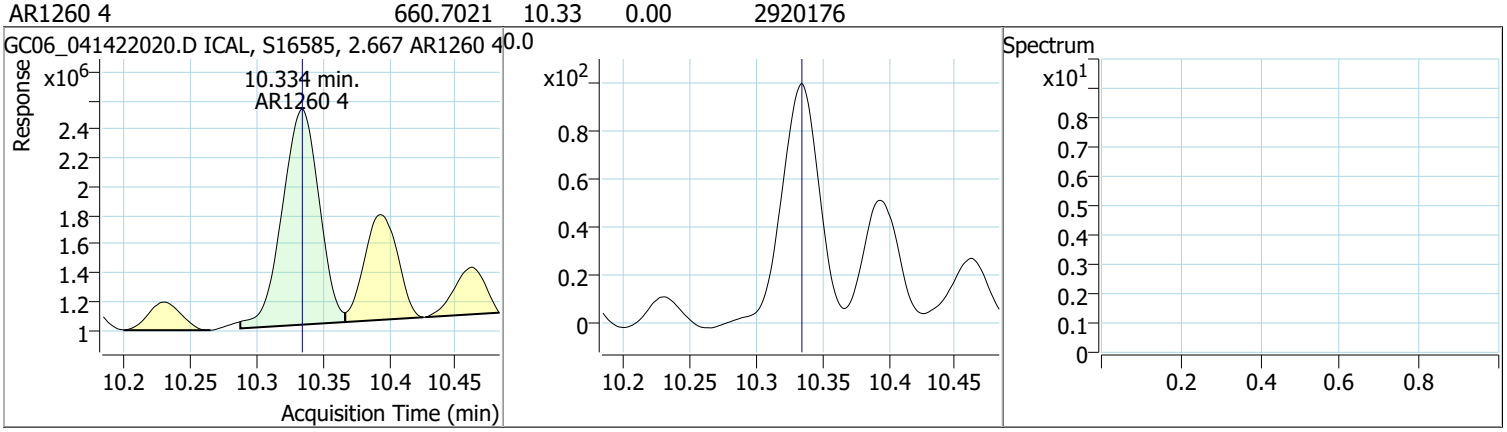
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	671.8147	9.76	0.00	5970444 (m)			



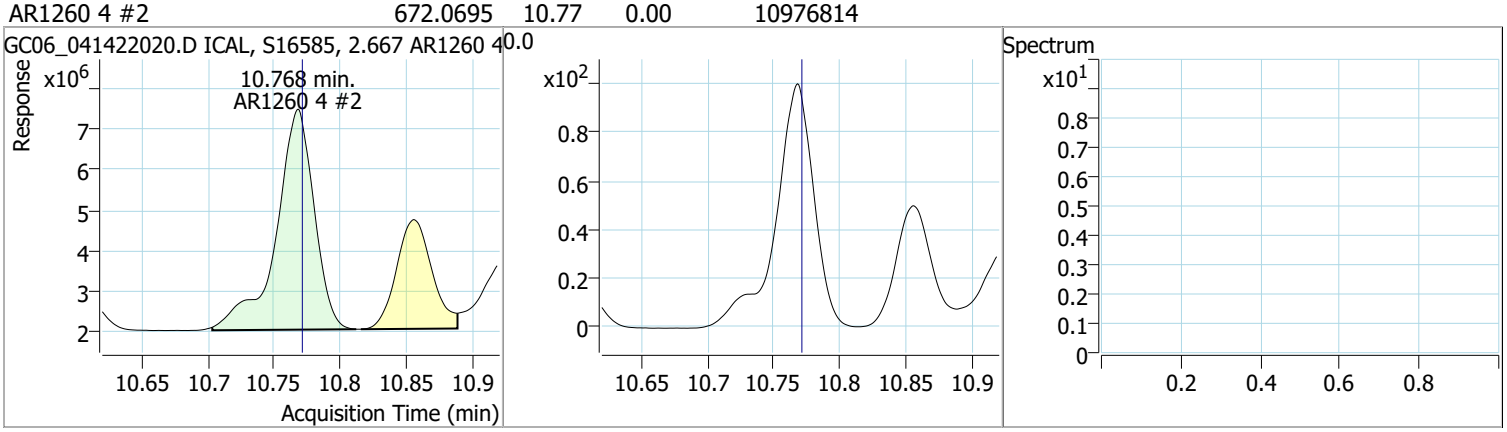
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	662.1464	10.24	0.00	19985948			



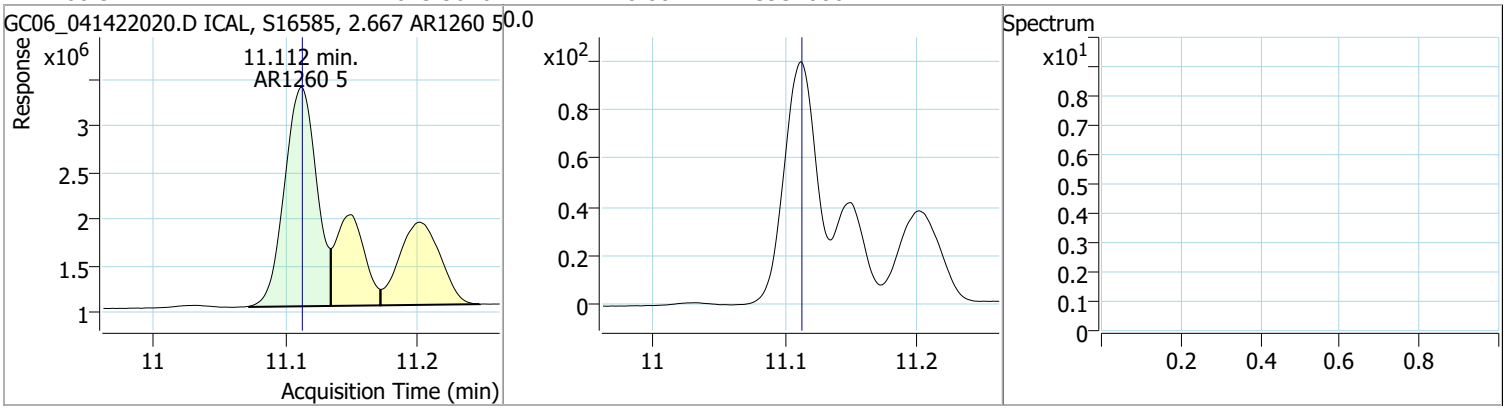
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	660.7021	10.33	0.00	2920176			



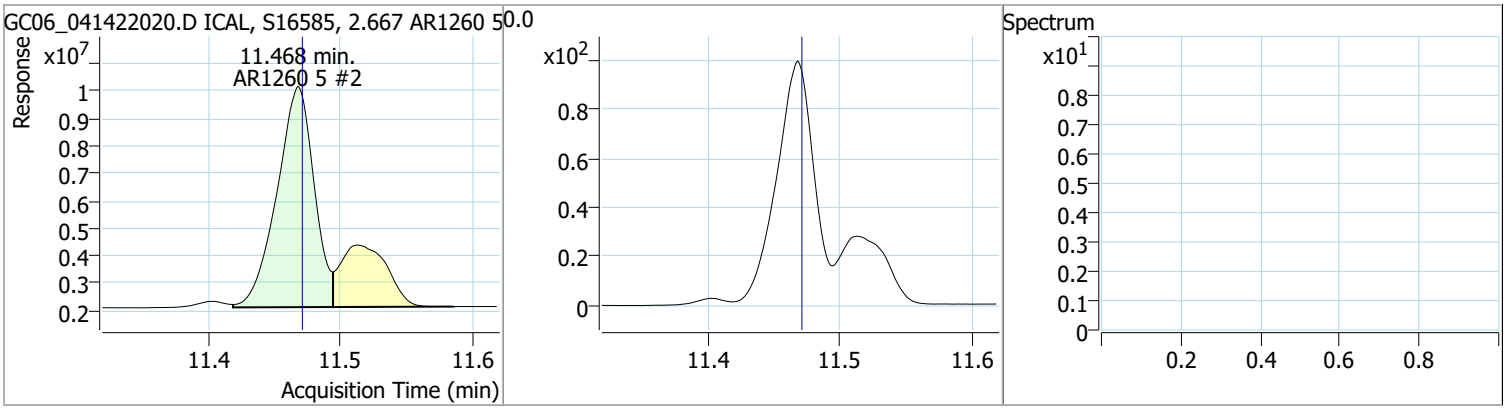
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	672.0695	10.77	0.00	10976814			



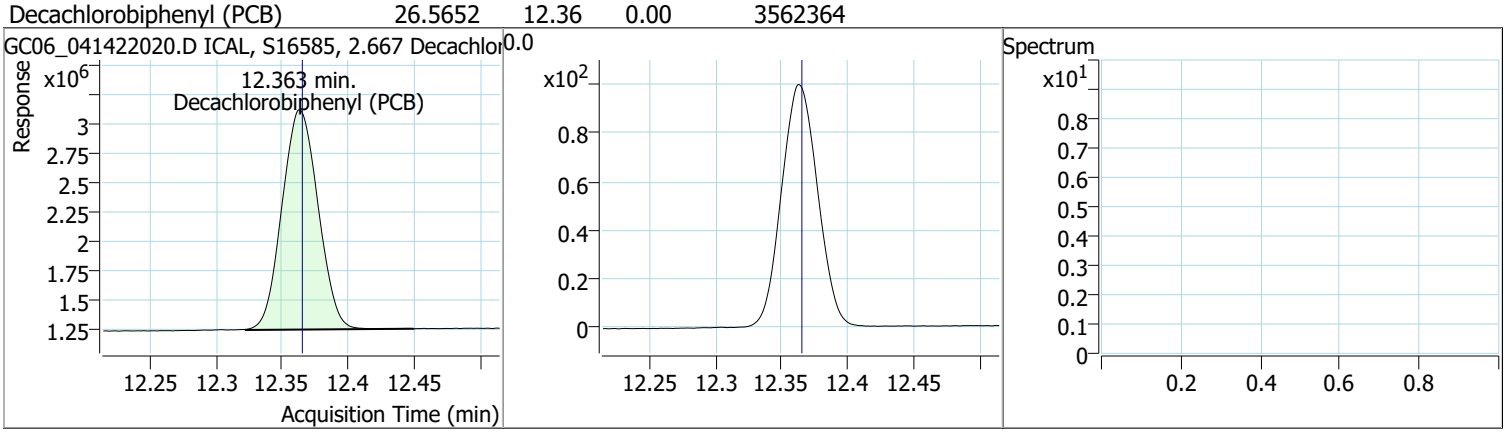
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	675.5646	11.11	0.00	3951886			



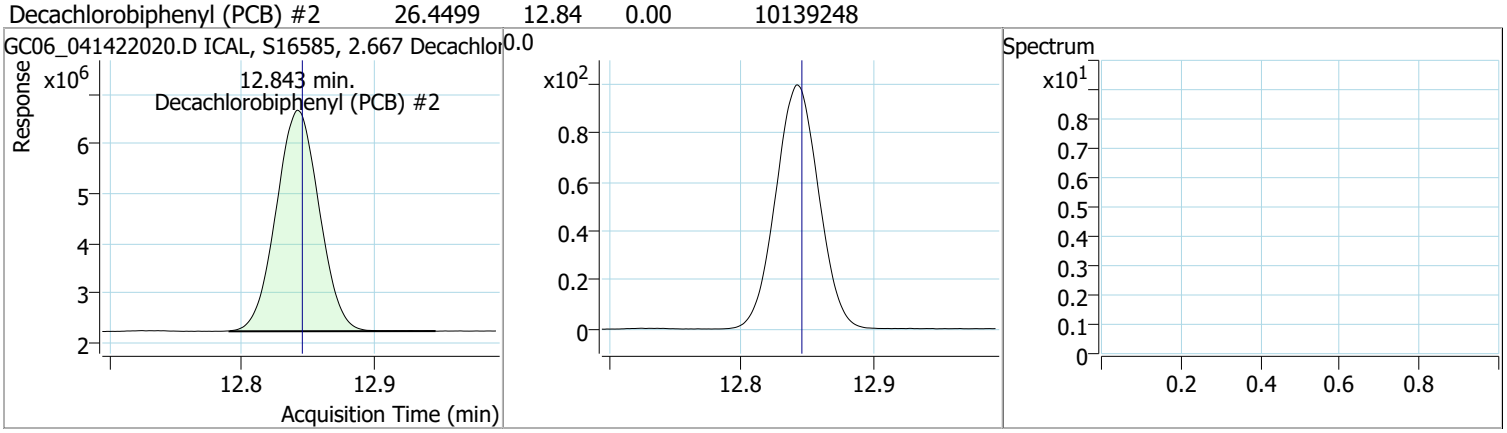
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	655.6056	11.47	0.00	15787028			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	26.5652	12.36	0.00	3562364			

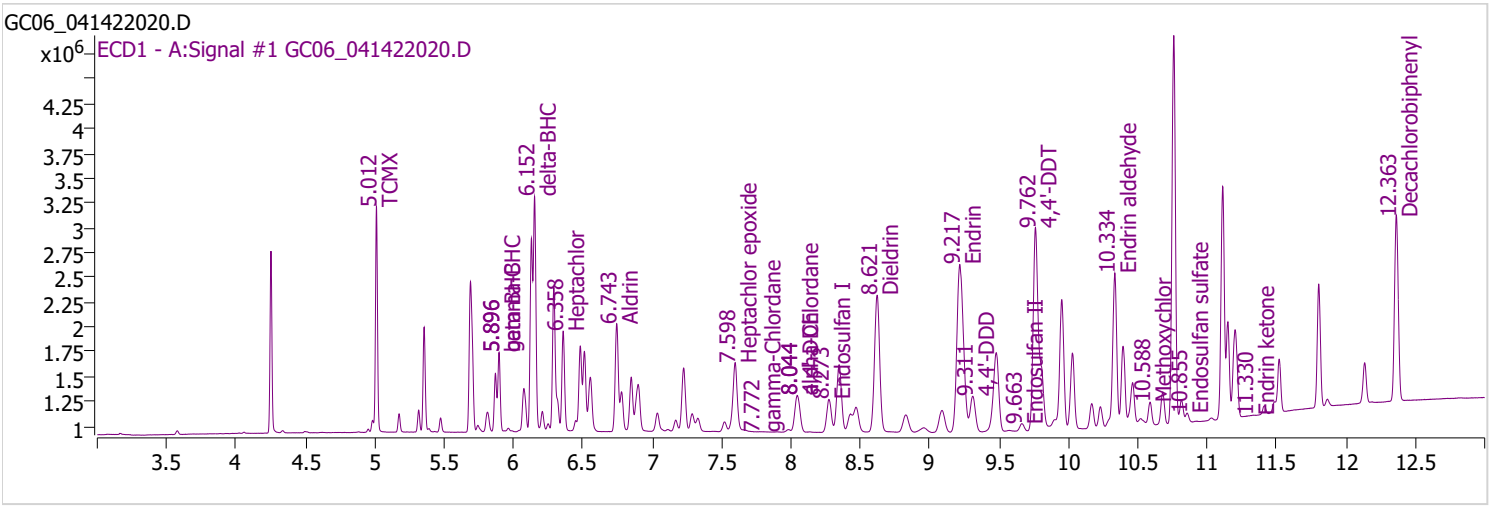


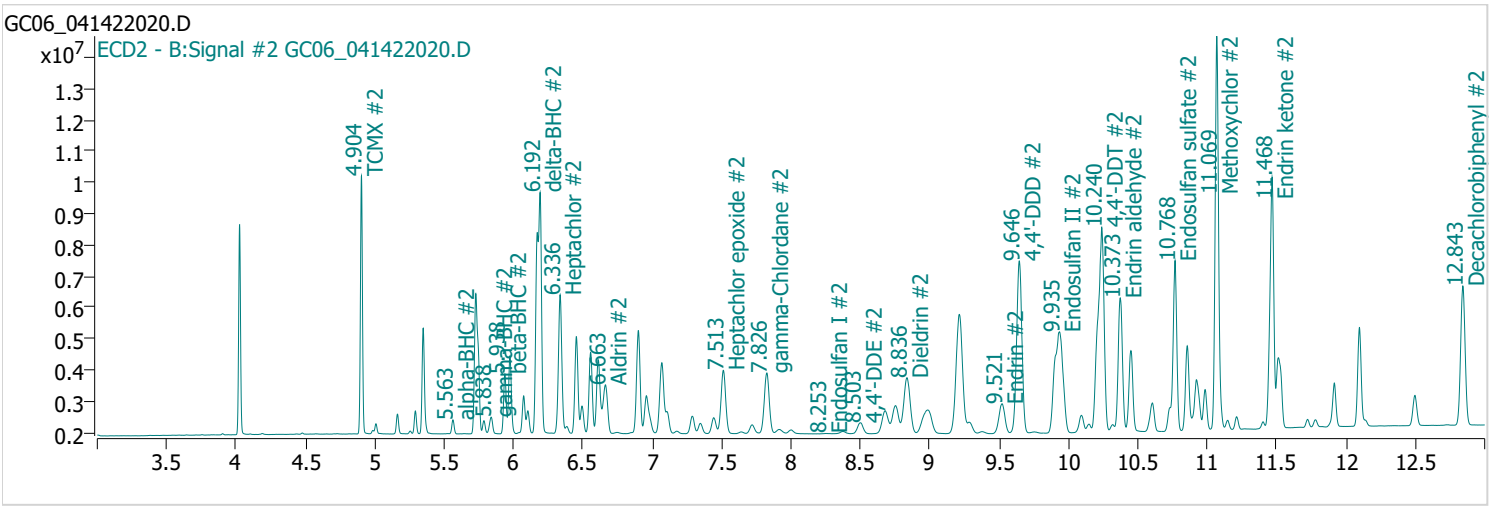
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	26.4499	12.84	0.00	10139248			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422020.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 8:09:10 PM
Sample Name	ICAL, S16585, 2.667	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 116	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 8:23:27 PM



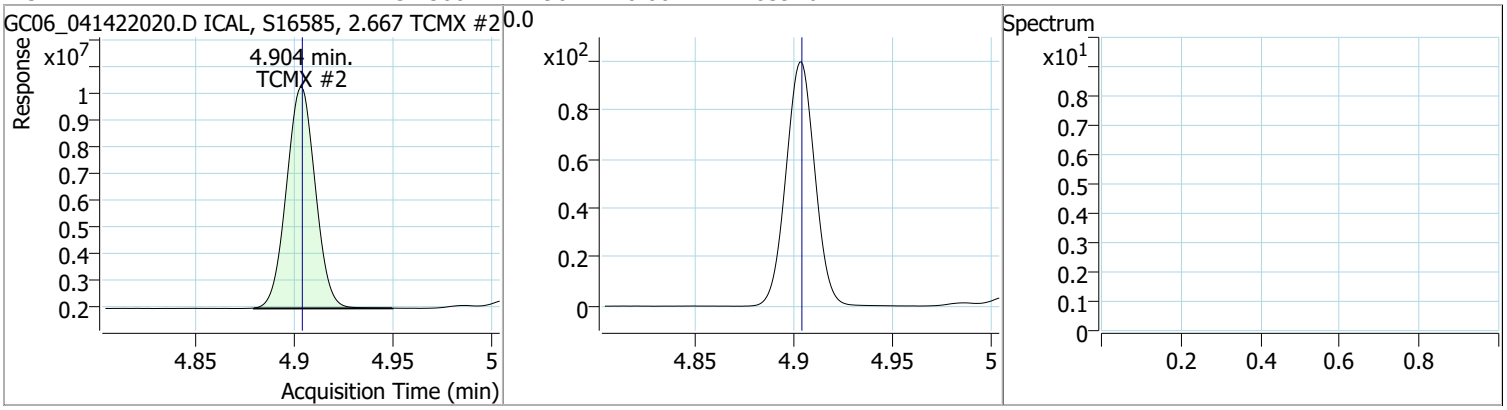


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.252	4.026	1755139	6346018	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.012	4.904	2333042	8394614	29.835	31.508	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	149.17%	157.54% *	
S Decachlorobiphenyl	12.363	12.843	3553731	10117201	29.847	28.820	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	149.24%	144.10%	
Target Compounds							
T alpha-BHC	----	5.563 f	0	503087	N.D.	2.224 #	ng/ml
T gamma-BHC	5.896	5.838	935894	773059	13.256	3.361 #	ng/ml
T beta-BHC	5.896	5.938	925269	2485893	25.132	17.990 #	ng/ml
T delta-BHC	6.152	6.192	3026787	19000584	30.597	39.301 #	ng/ml
T Heptachlor	6.358	6.336	1226394	7617947	16.400	23.464 #	ng/ml
T Aldrin	6.743	6.663 f	1717976	3438770	21.221	14.068 #	ng/ml
T Heptachlor epoxide	7.598	7.513	1462618	4285912	18.875	16.348	ng/ml
T gamma-Chlordane	7.772	7.826	3035	4735328	0.053	16.618 #	ng/ml
T alpha-Chlordane	8.044	----	588280	0	9.534	N.D. #	ng/ml

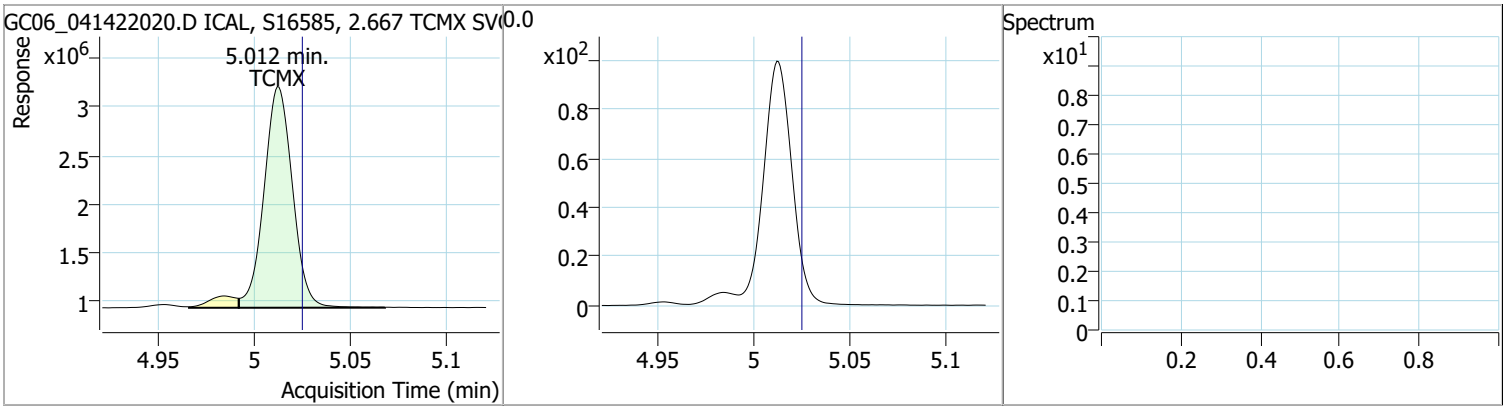
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.273	8.253	752549	18720	12.818	0.099 #	ng/ml
T 4,4'-DDE	8.044	8.503 f	918708	914575	15.267	4.975 #	ng/ml
T Dieldrin	8.621	8.836	3602536	4987733	43.953	22.196 #	ng/ml
T Endrin	9.217	9.521	5149660	2892006	58.571	14.675 #	ng/ml
T 4,4'-DDD	9.311	9.646 f	555403	13255716	12.678	63.908 #	ng/ml
T Endosulfan II	9.663	9.935 f	154699	13733433	2.793	48.777 #	ng/ml
T 4,4'-DDT	9.762	10.240	5781197	19867154	83.139	61.744 #	ng/ml
T Endrin aldehyde	10.334	10.373	2722503	8532275	47.858	42.483	ng/ml
T Endosulfan sulfate	10.855	10.768	76622	10983606	1.570	46.822 #	ng/ml
T Methoxychlor	10.588	11.069 f	361008	21812588	12.128	166.762 #	ng/ml
T Endrin ketone	11.330	11.468 f	397876	14584668	5.784	48.408 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

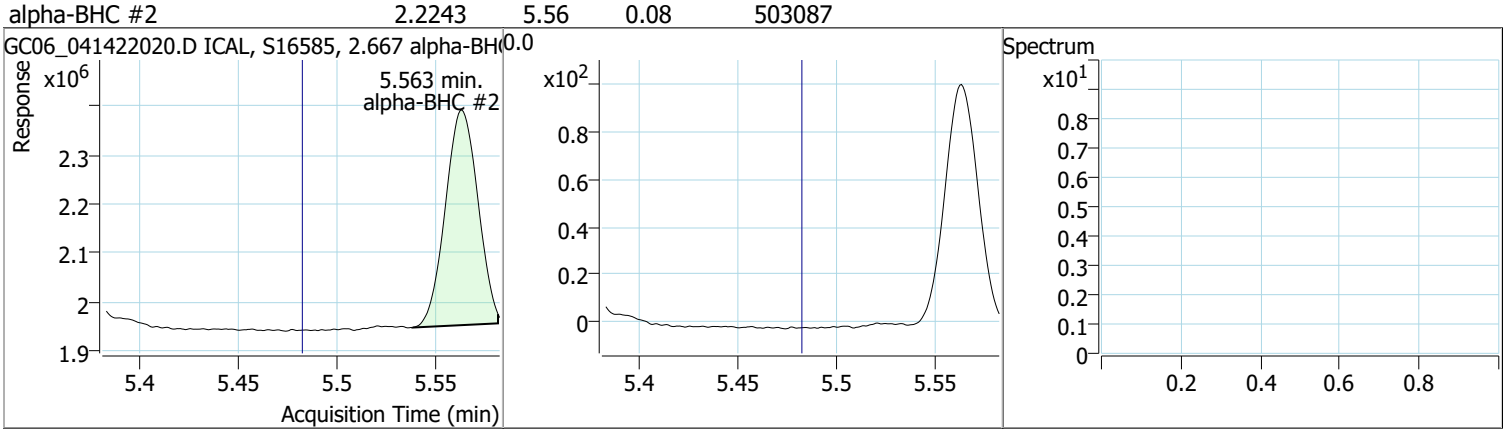
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	31.5084	4.90	0.00	8394614			



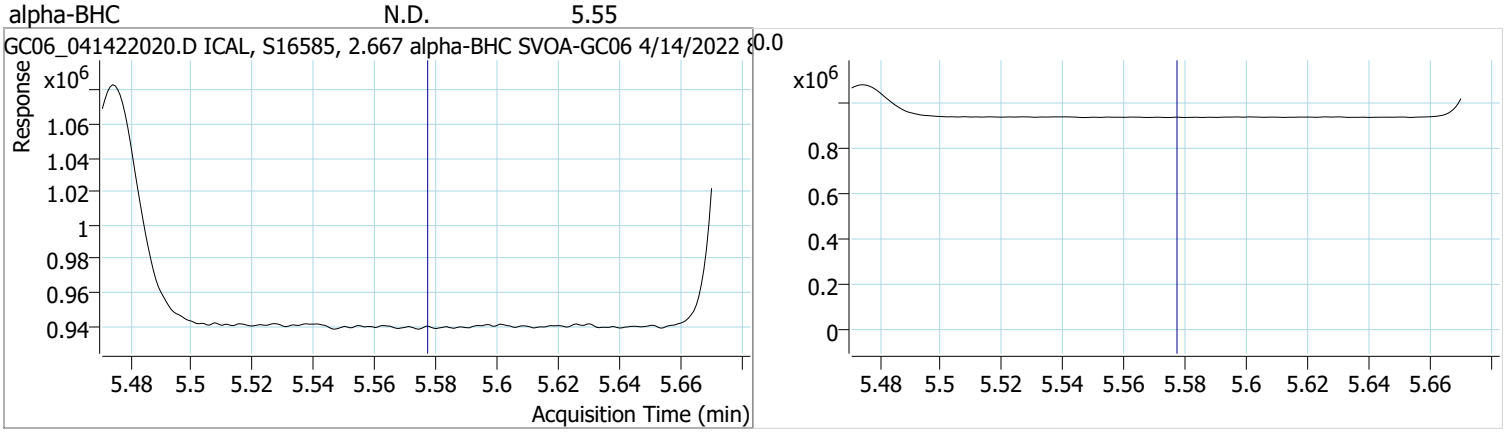
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	29.8347	5.01	0.01	2333042			



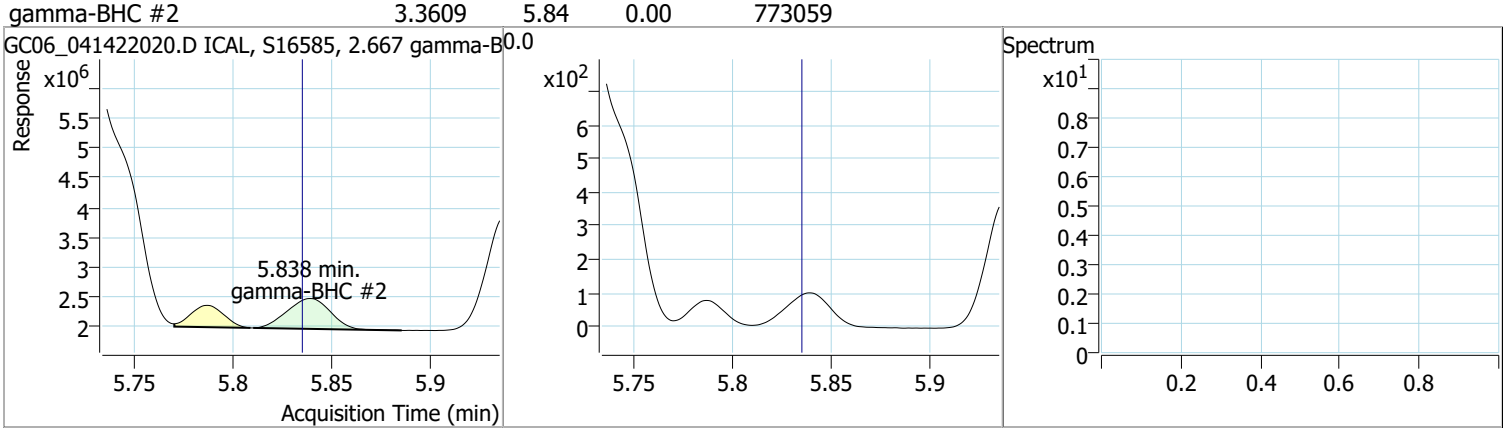
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	2.2243	5.56	0.08	503087			



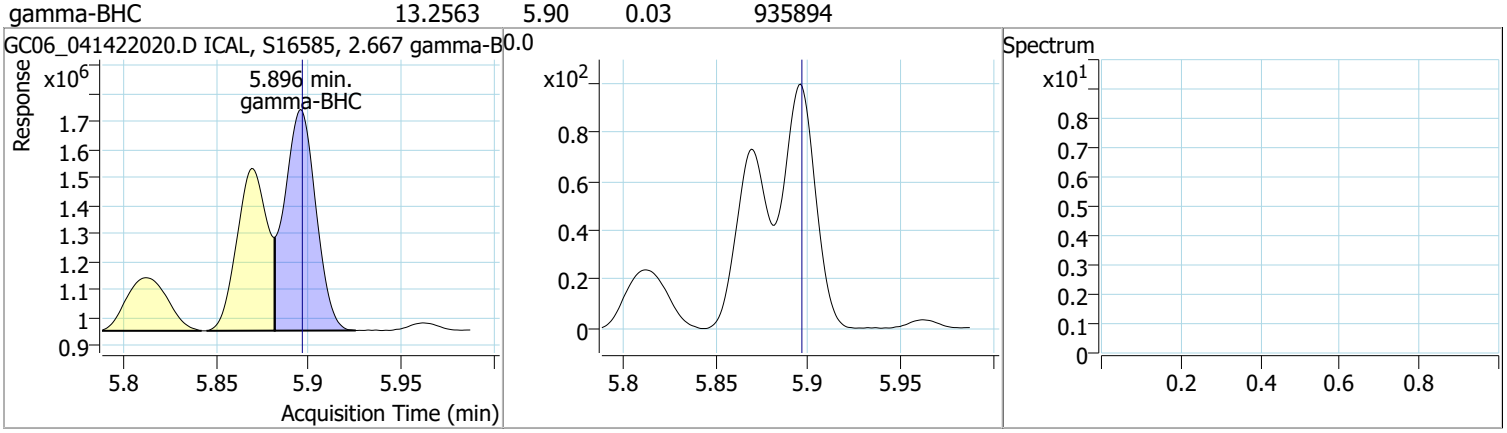
Compound	Conc.		Exp Ratio
alpha-BHC	N.D.	5.55	



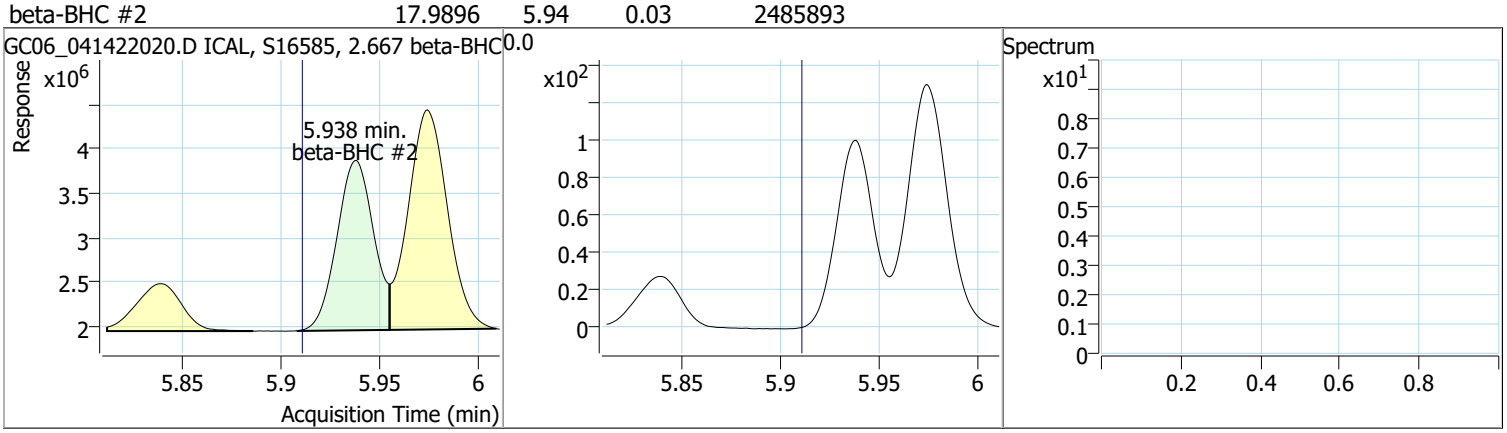
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	3.3609	5.84	0.00	773059			



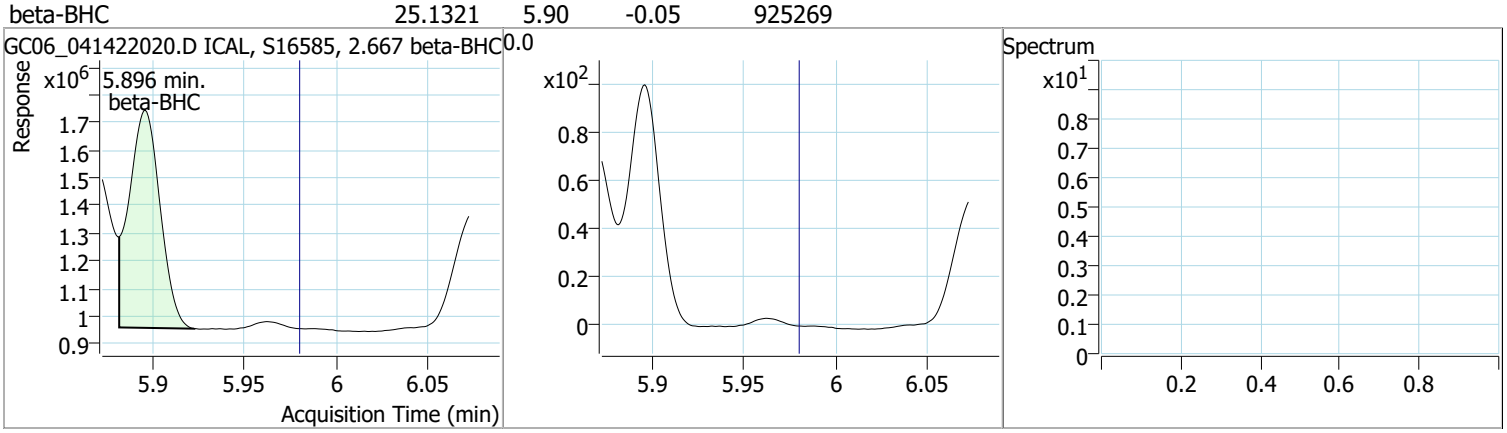
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	13.2563	5.90	0.03	935894			



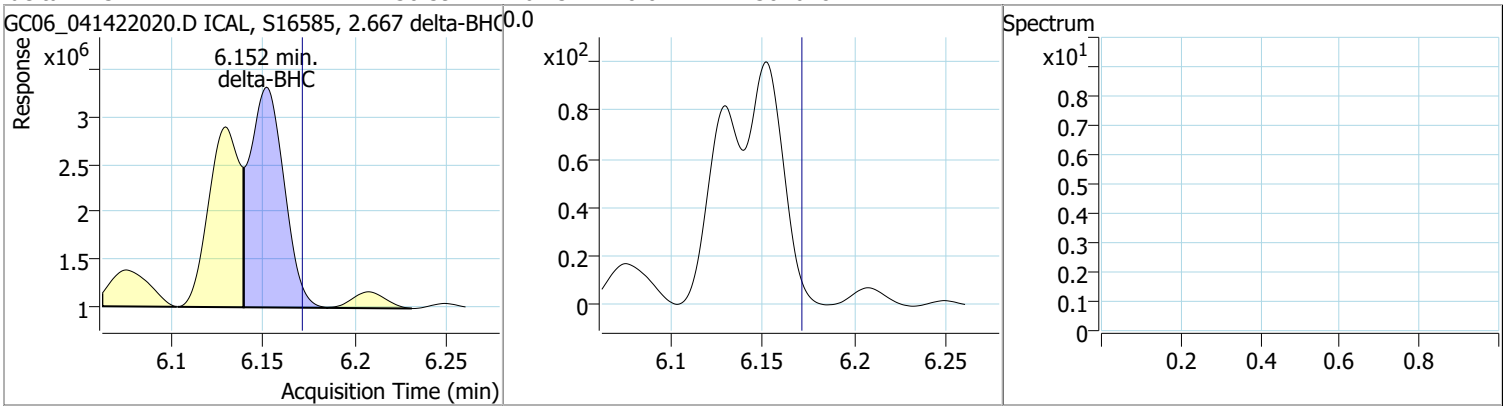
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	17.9896	5.94	0.03	2485893			



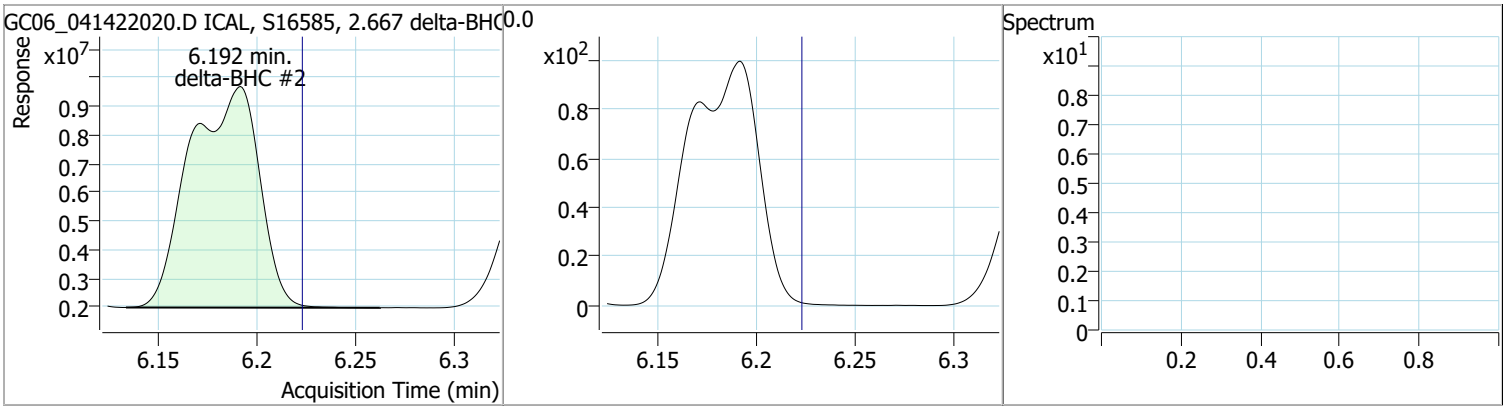
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	25.1321	5.90	-0.05	925269			



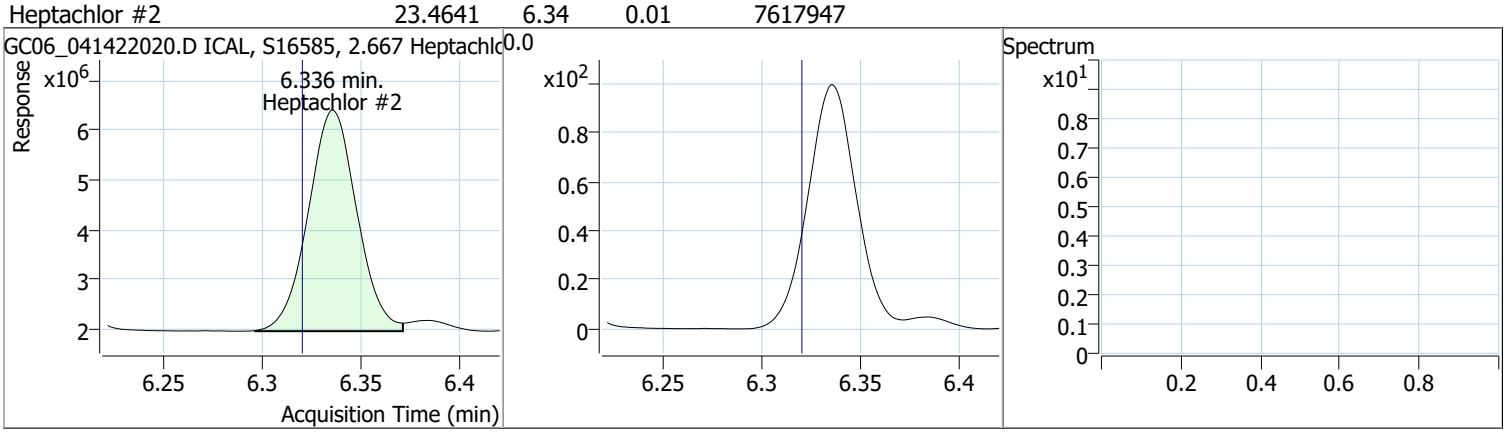
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	30.5974	6.15	0.01	3026787			



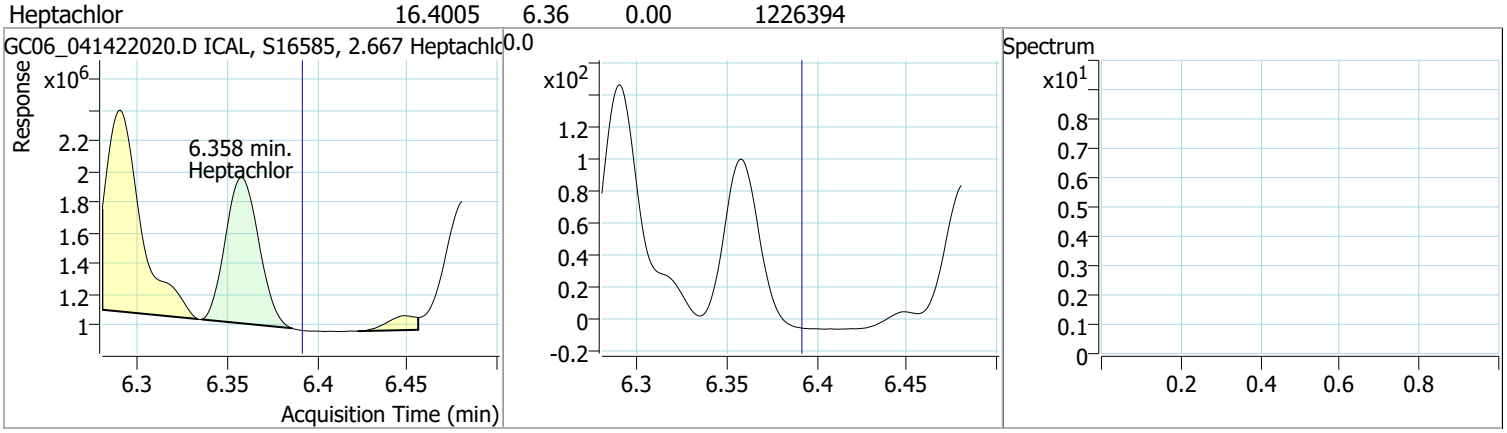
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	39.3011	6.19	-0.03	19000584			



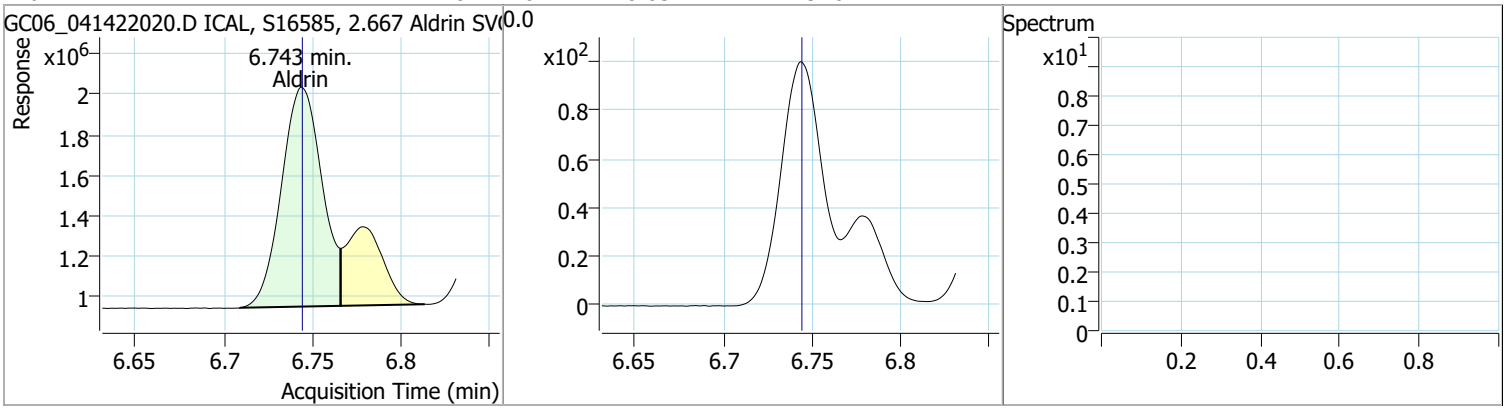
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	23.4641	6.34	0.01	7617947			



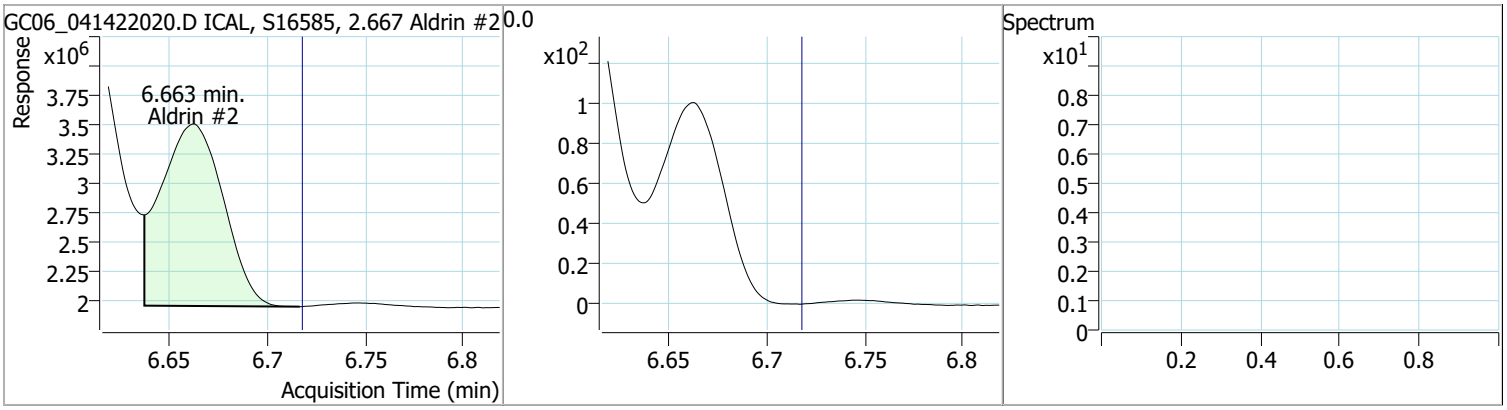
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	16.4005	6.36	0.00	1226394			



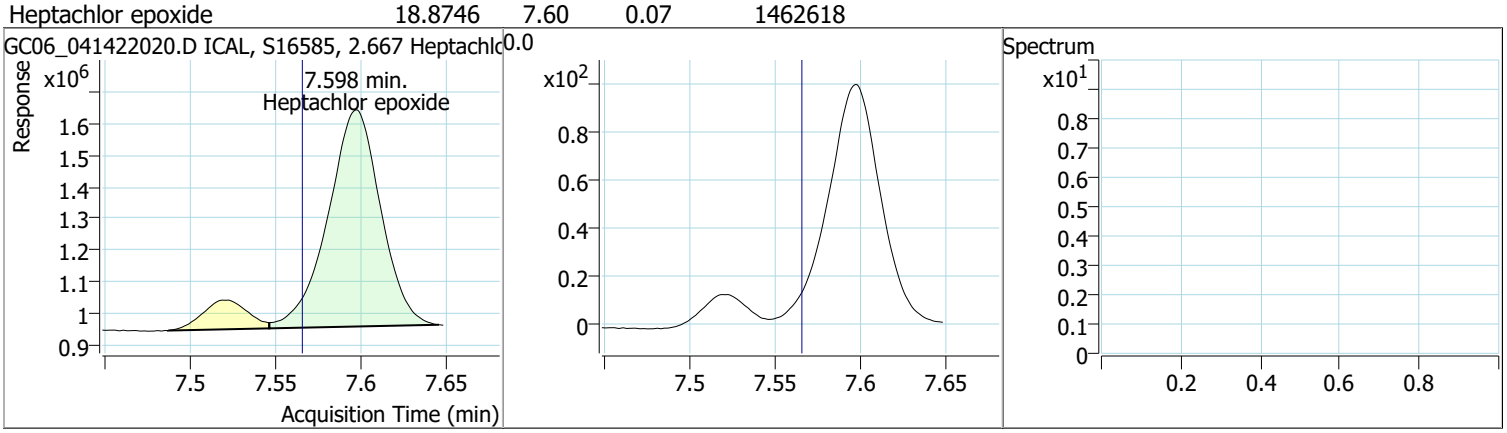
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	21.2207	6.74	0.03	1717976			



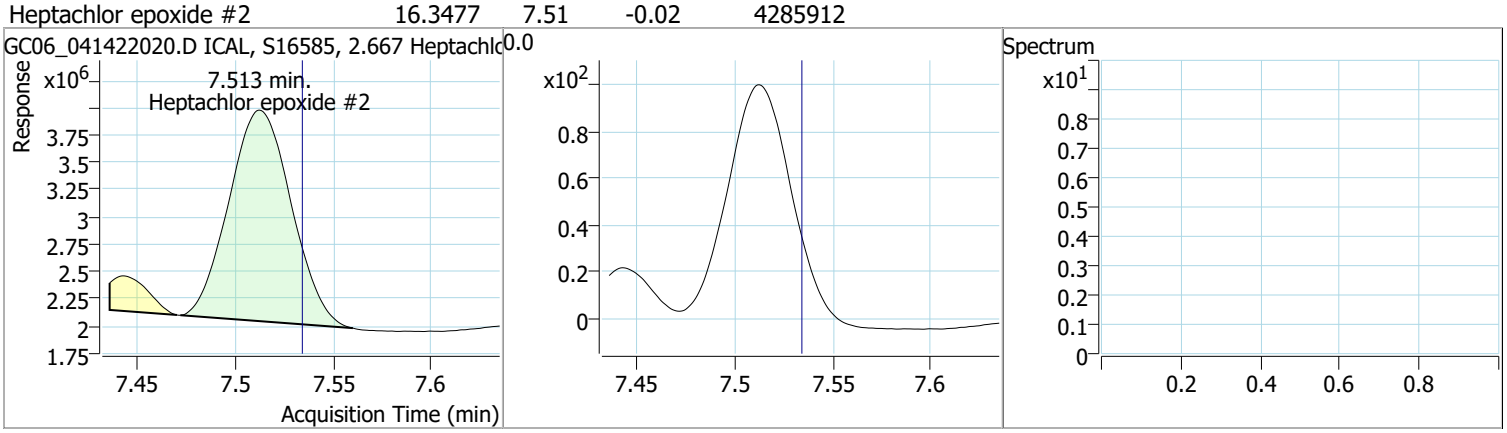
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	14.0681	6.66	-0.06	3438770			



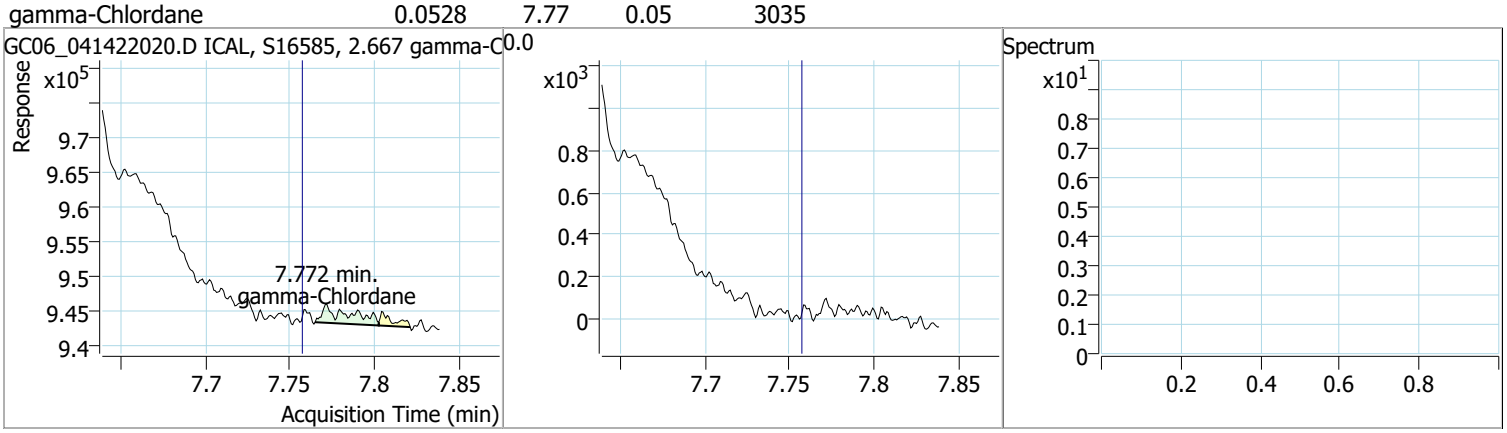
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	18.8746	7.60	0.07	1462618			



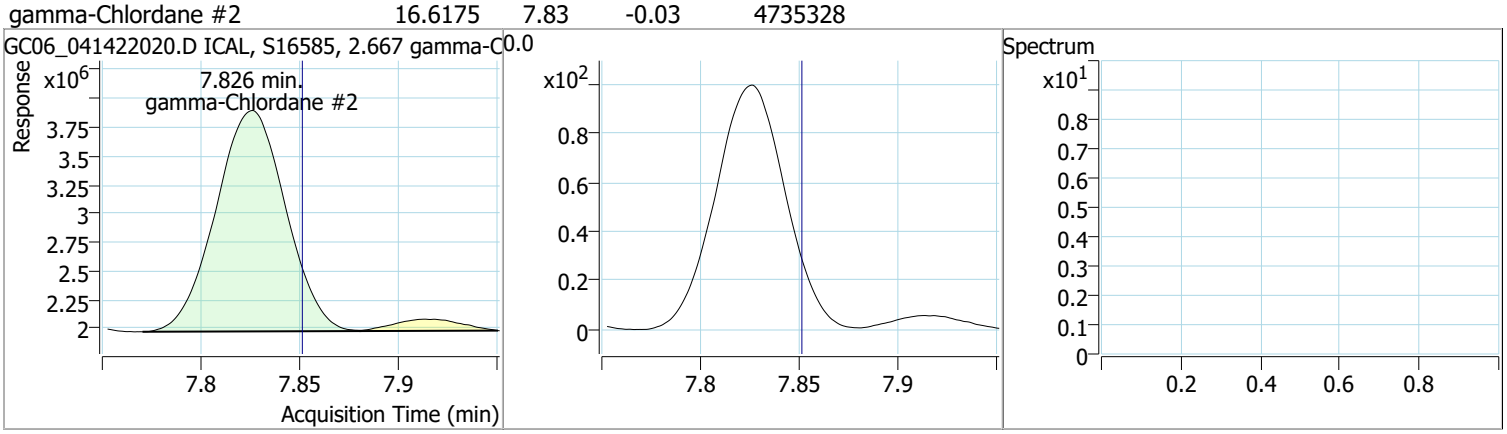
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	16.3477	7.51	-0.02	4285912			



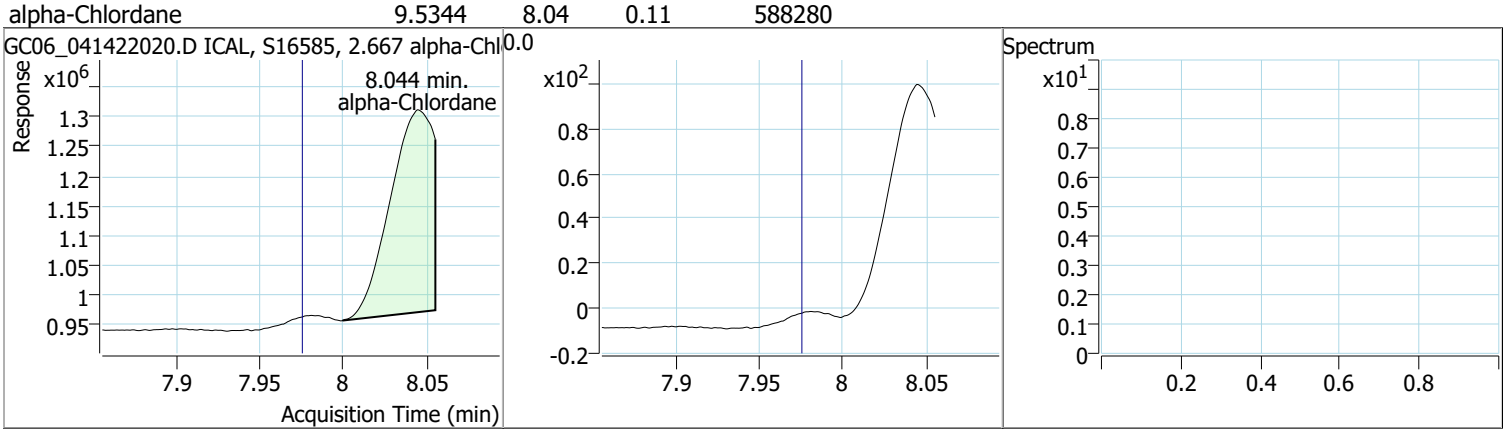
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.0528	7.77	0.05	3035			



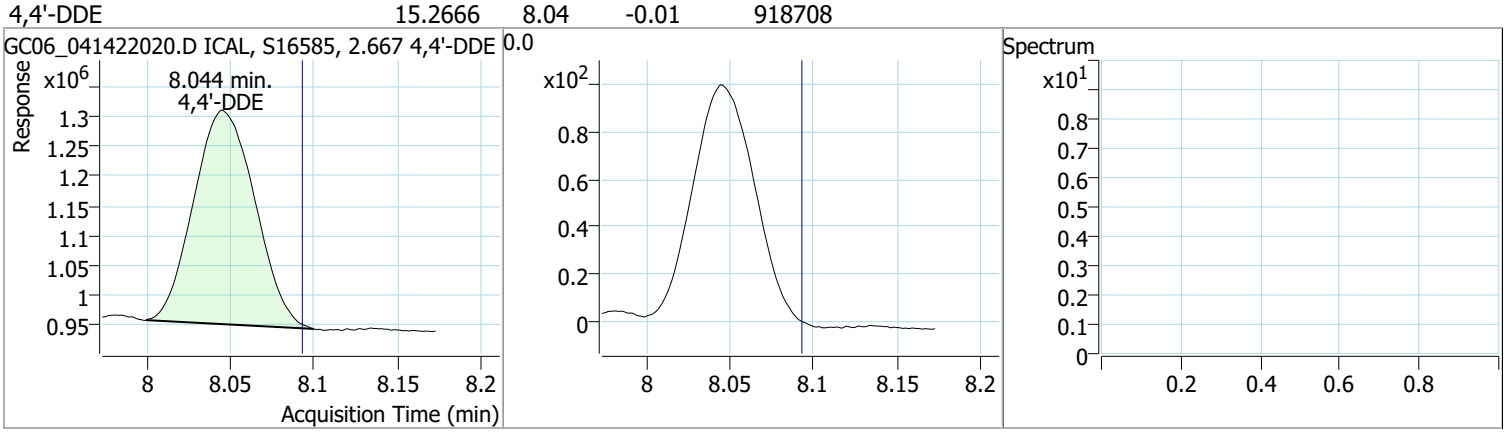
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	16.6175	7.83	-0.03	4735328			



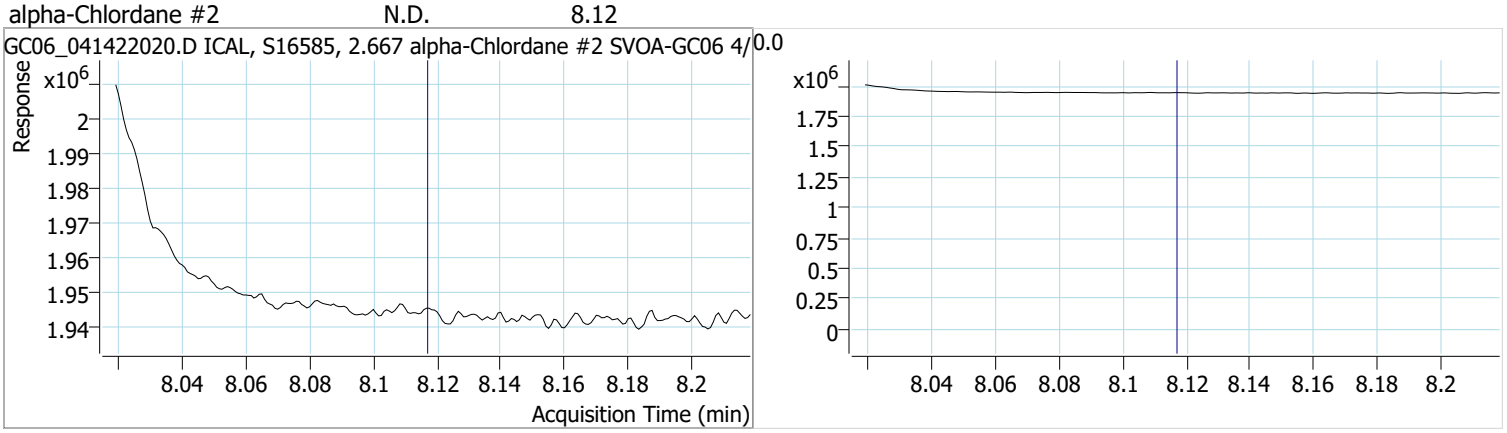
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	9.5344	8.04	0.11	588280			



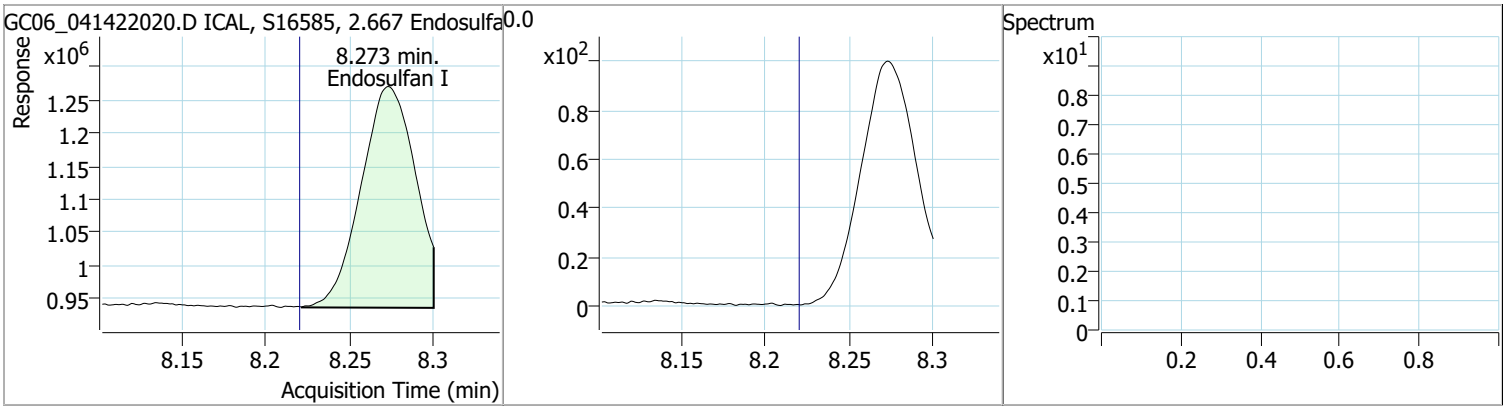
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	15.2666	8.04	-0.01	918708			



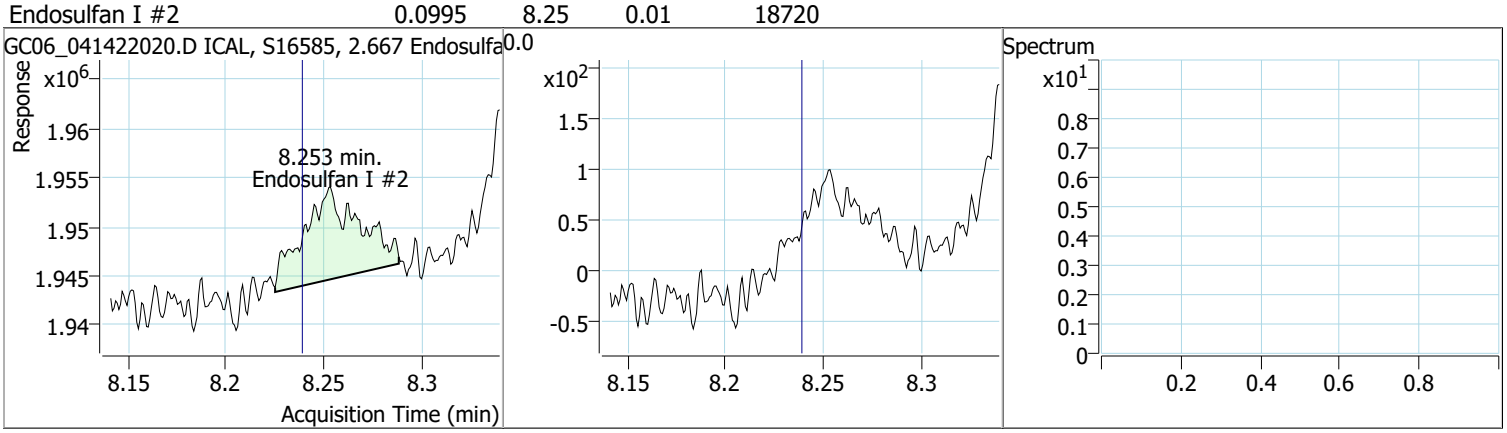
Compound	Conc.		Exp Ratio
alpha-Chlordane #2	N.D.	8.12	



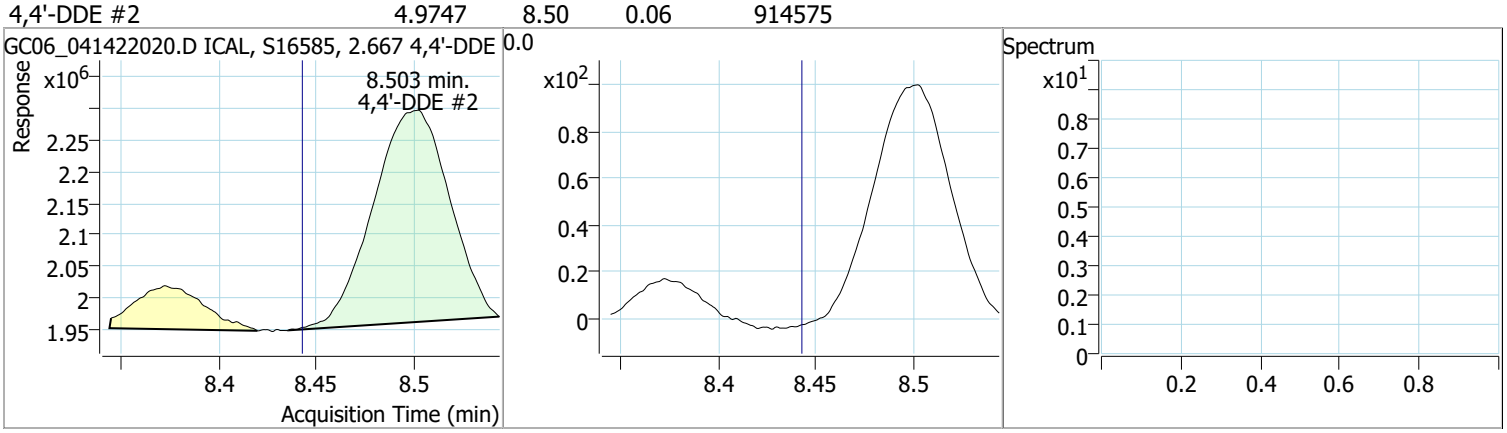
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	12.8182	8.27	0.09	752549			



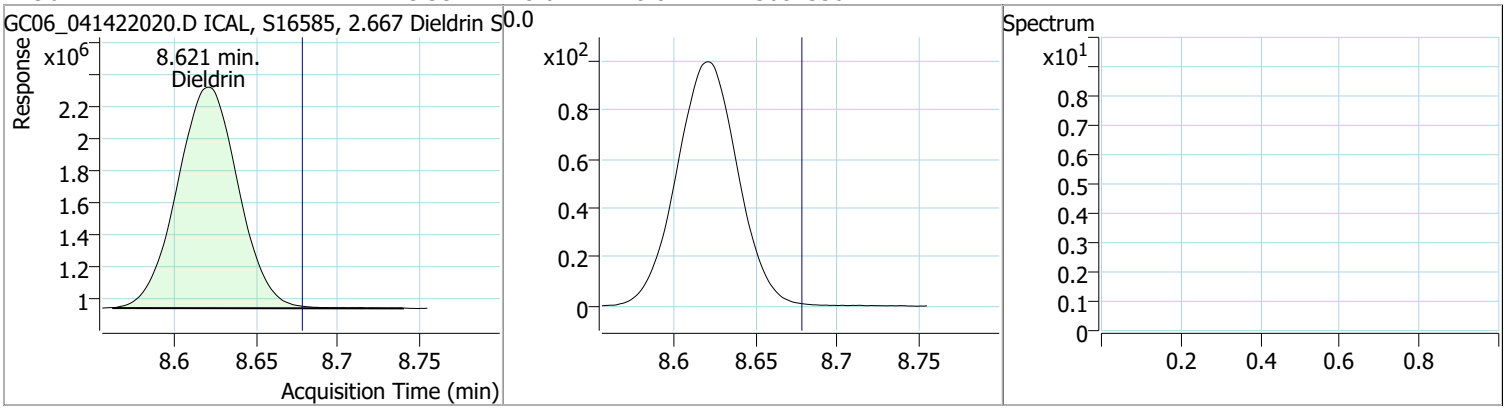
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I #2	0.0995	8.25	0.01	18720			



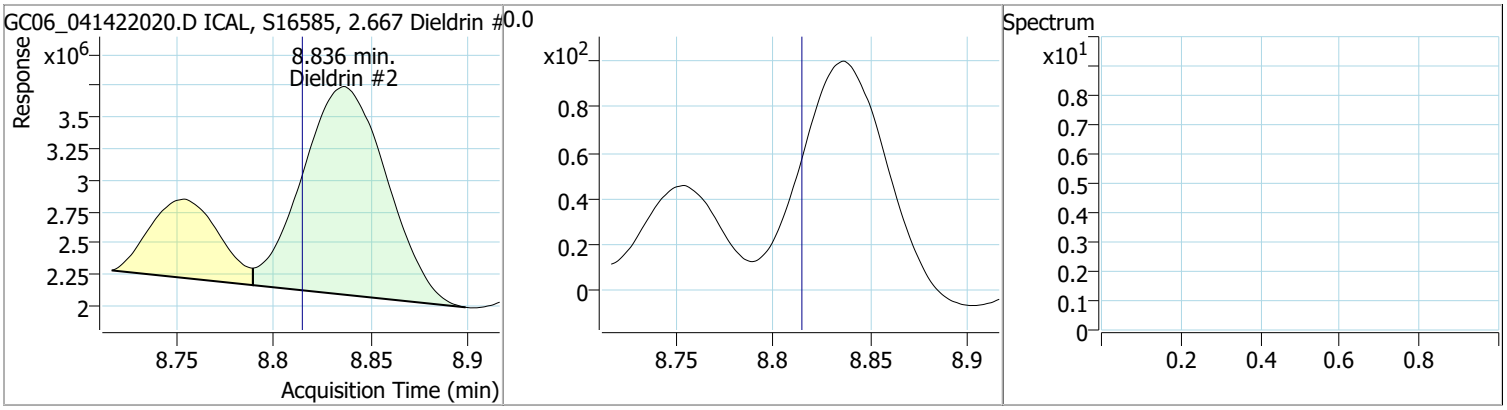
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	4.9747	8.50	0.06	914575			



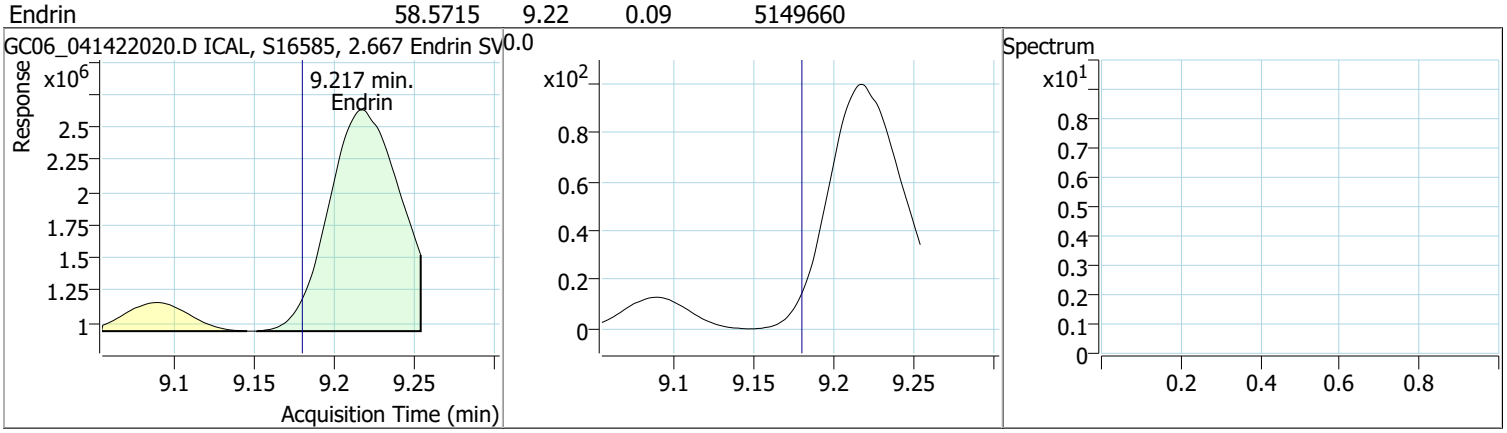
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin	43.9527	8.62	-0.01	3602536			



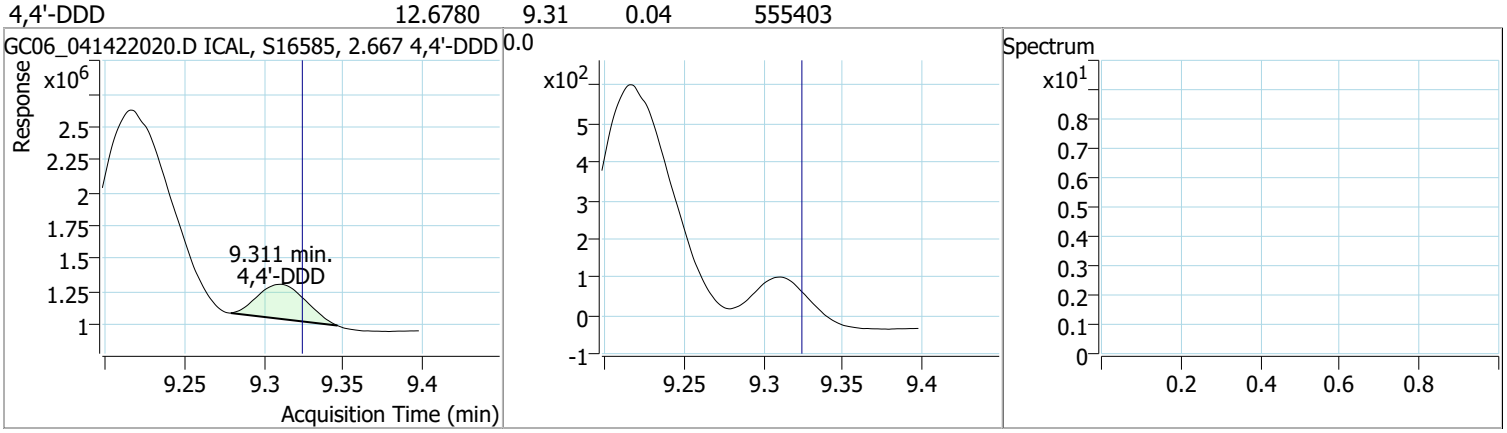
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	22.1957	8.84	0.02	4987733			



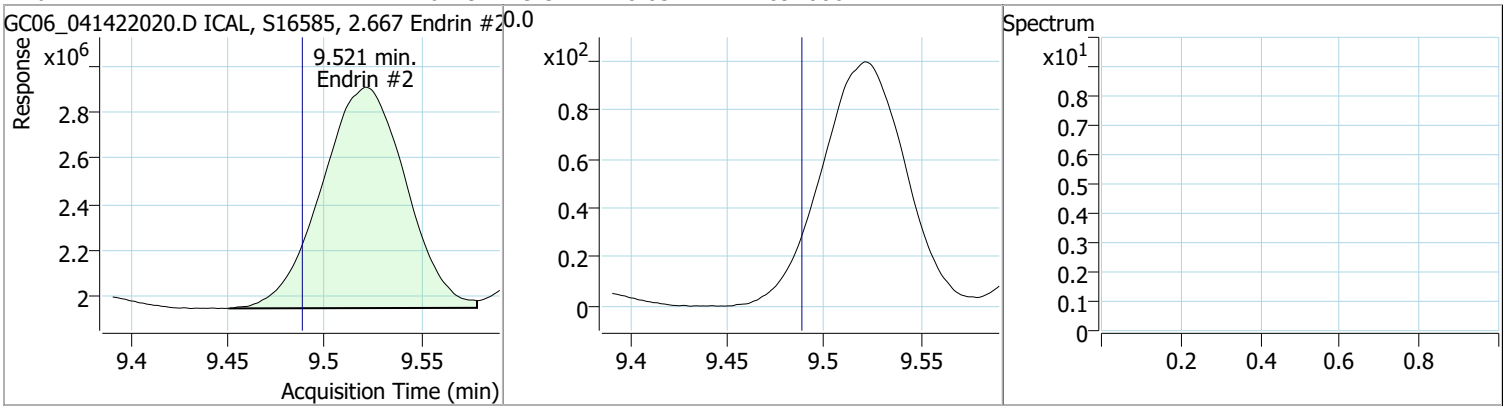
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin	58.5715	9.22	0.09	5149660			



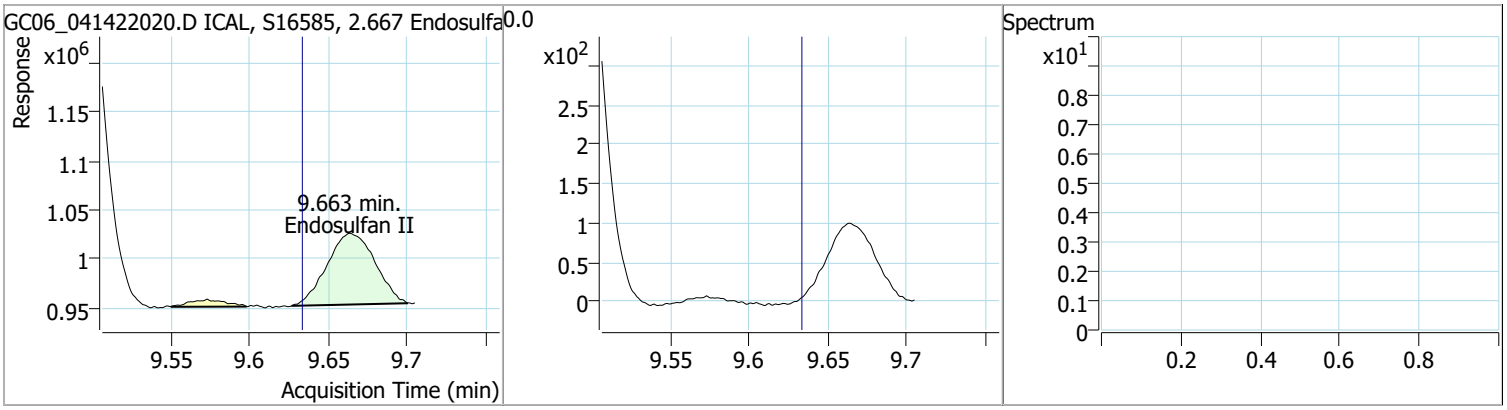
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	12.6780	9.31	0.04	555403			



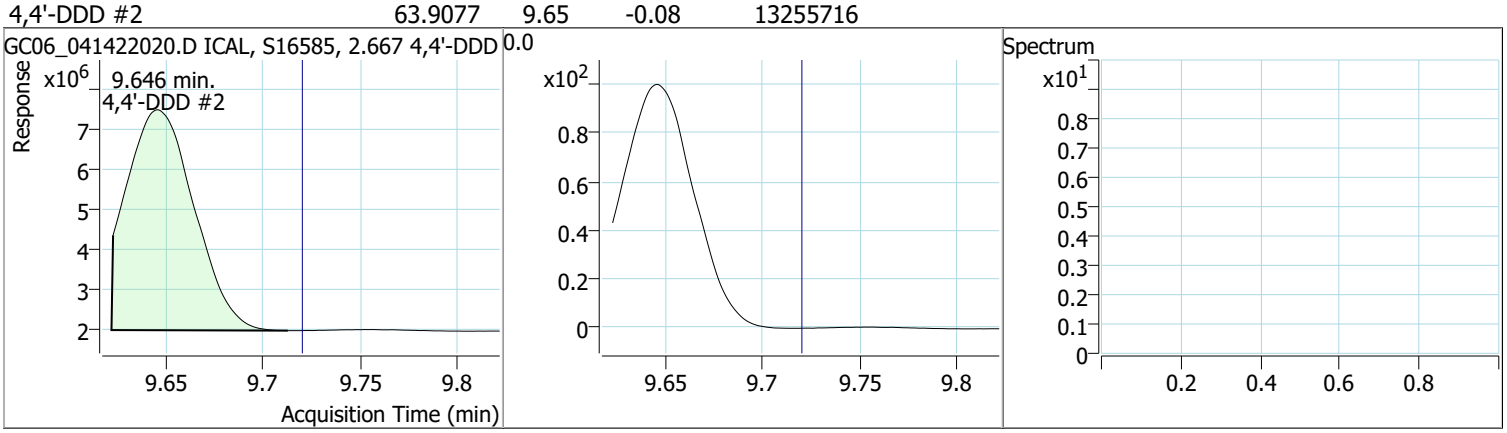
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin #2	14.6749	9.52	0.03	2892006			



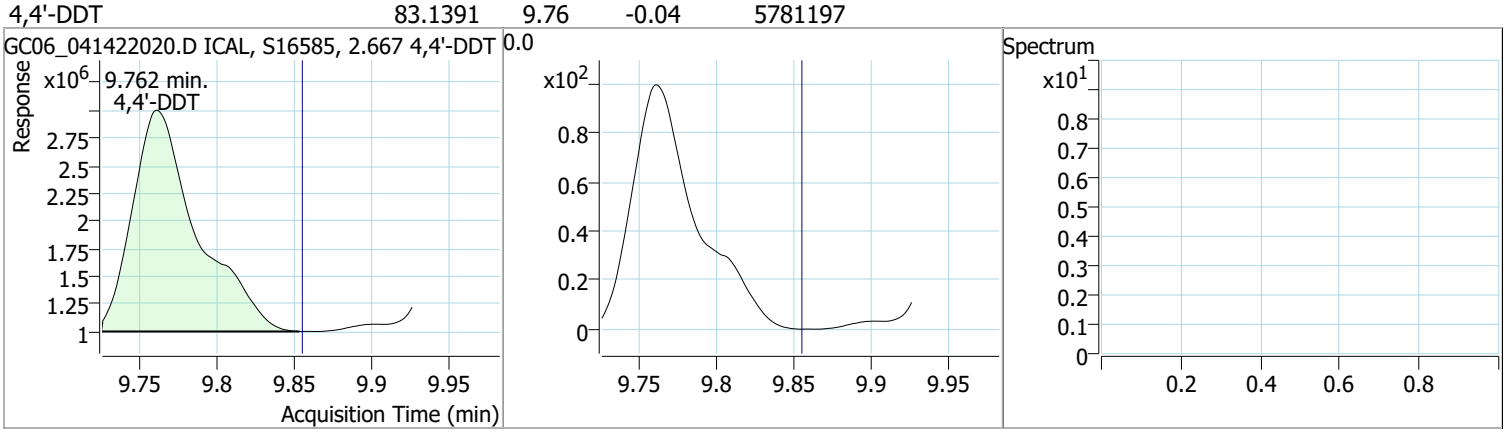
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II	2.7932	9.66	0.08	154699			



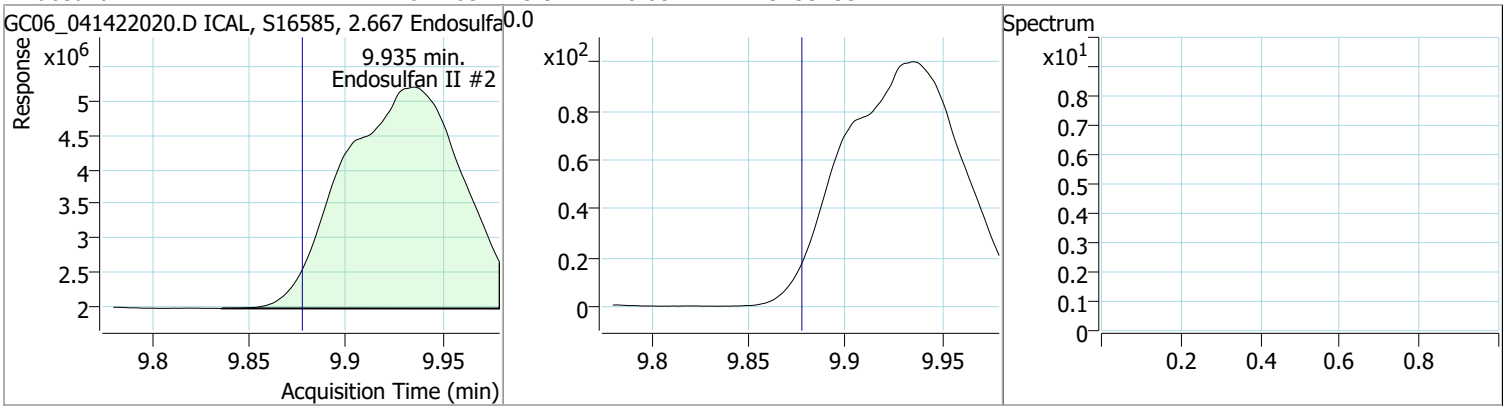
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	63.9077	9.65	-0.08	13255716			



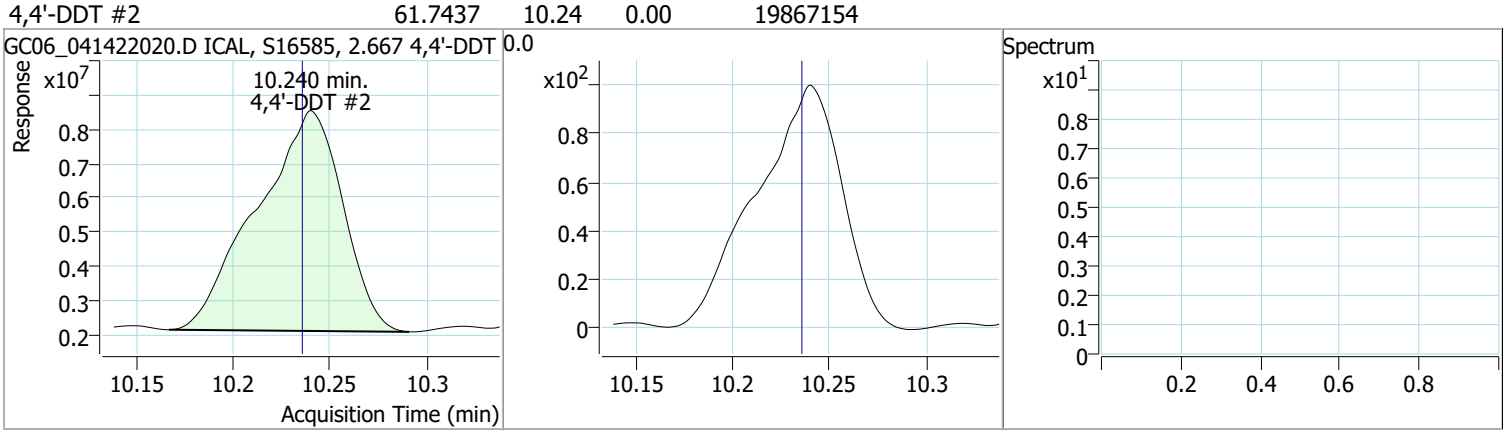
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	83.1391	9.76	-0.04	5781197			



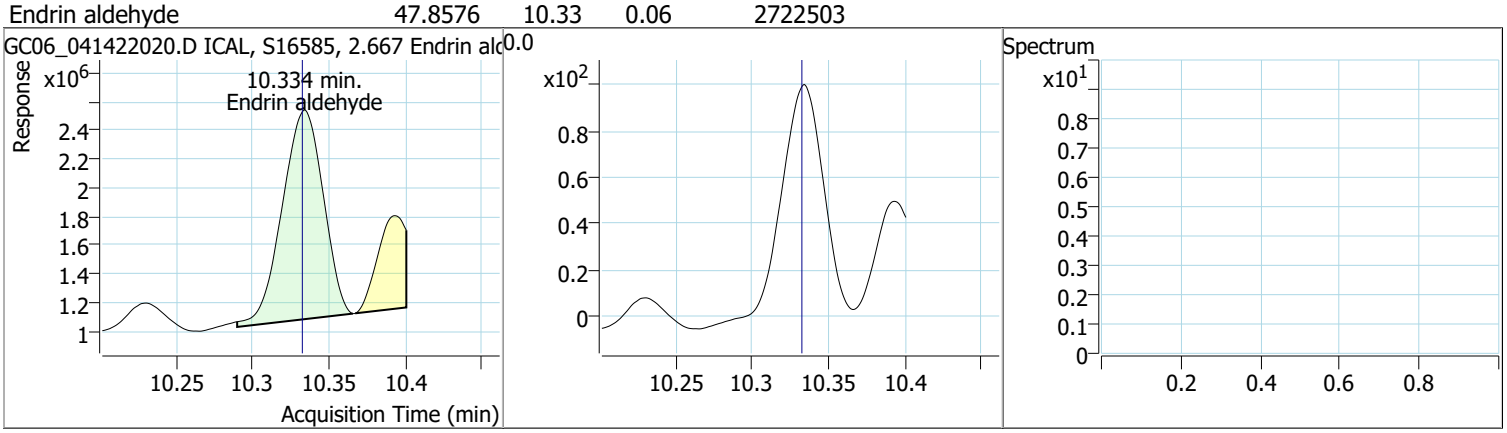
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	48.7765	9.94	0.05	13733433			



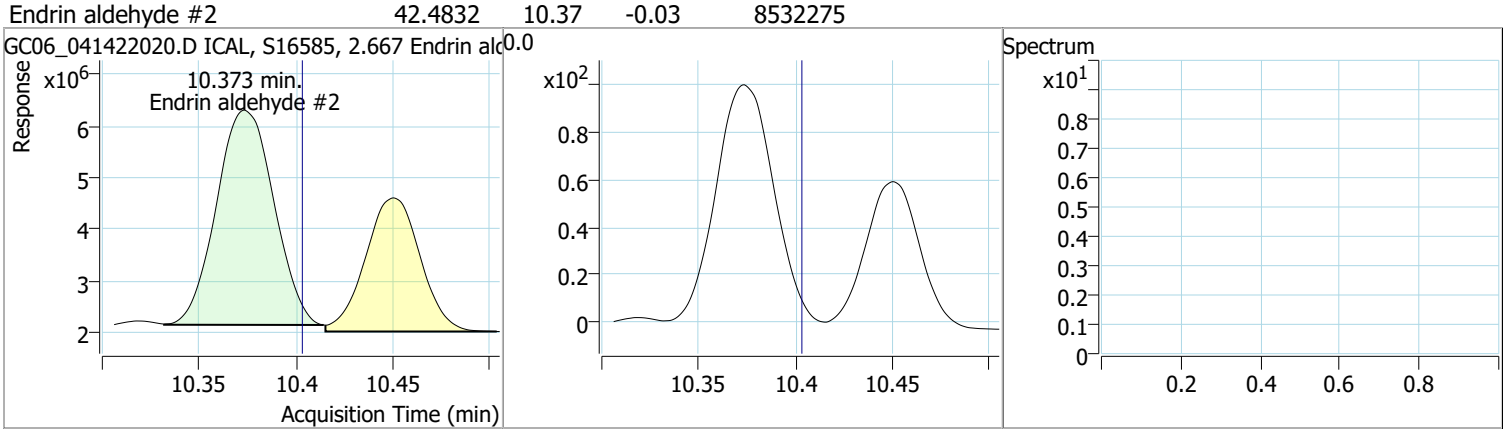
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	61.7437	10.24	0.00	19867154			



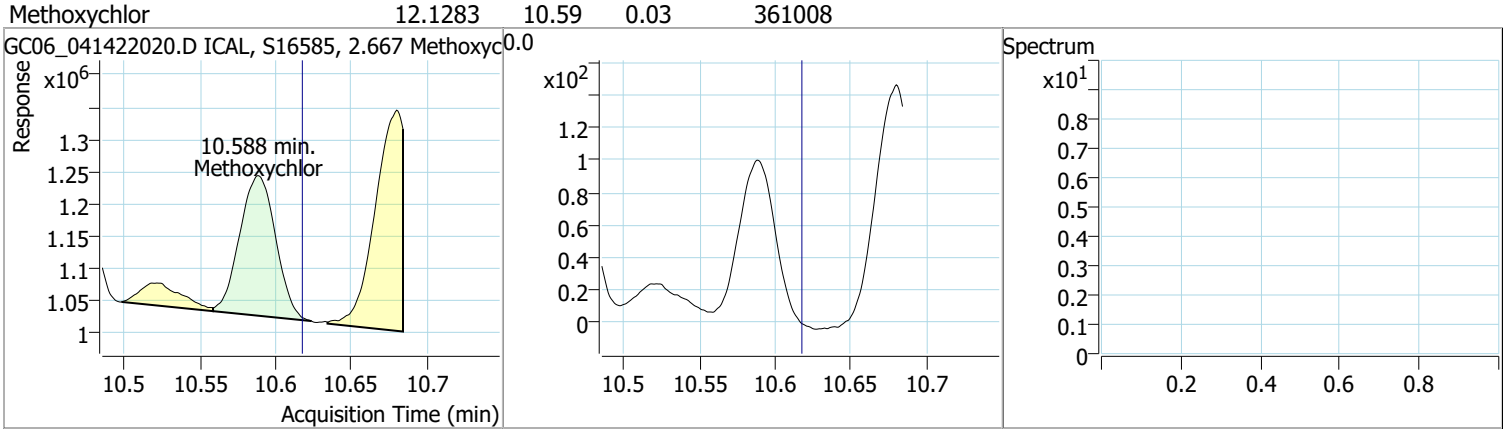
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	47.8576	10.33	0.06	2722503			



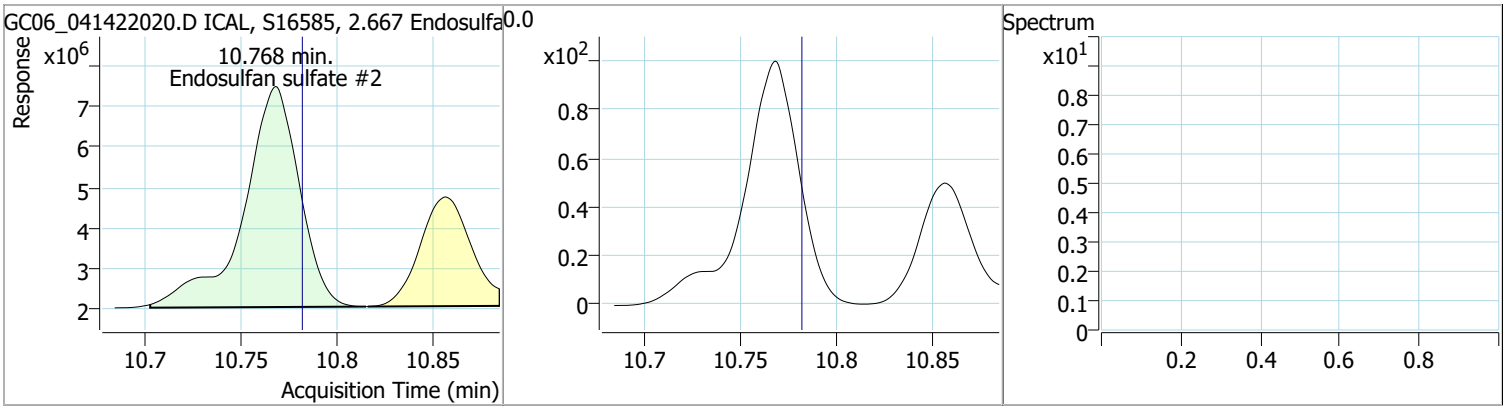
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	42.4832	10.37	-0.03	8532275			



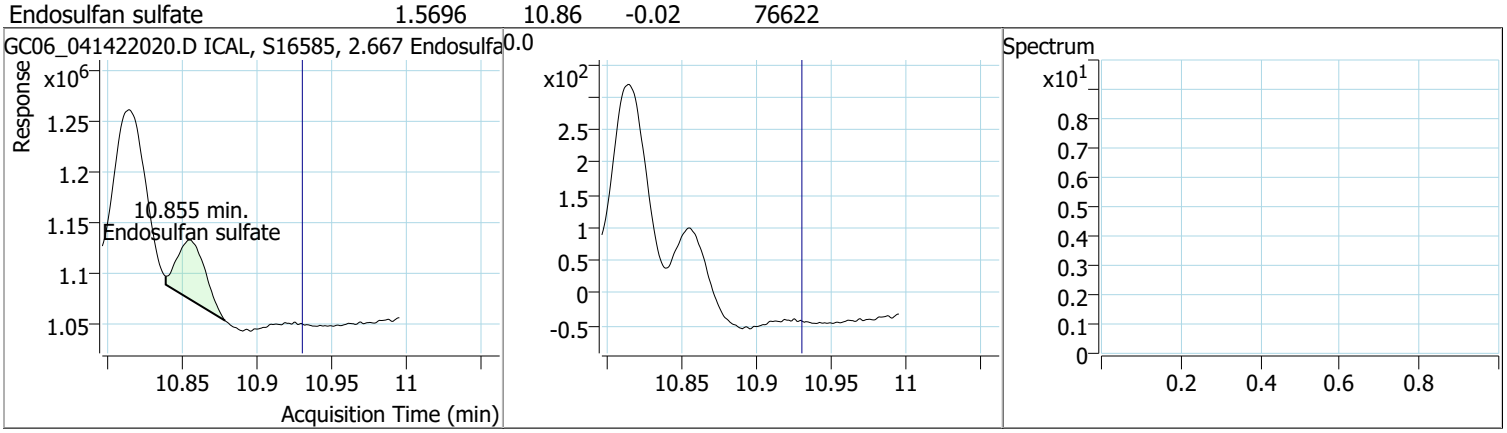
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	12.1283	10.59	0.03	361008			



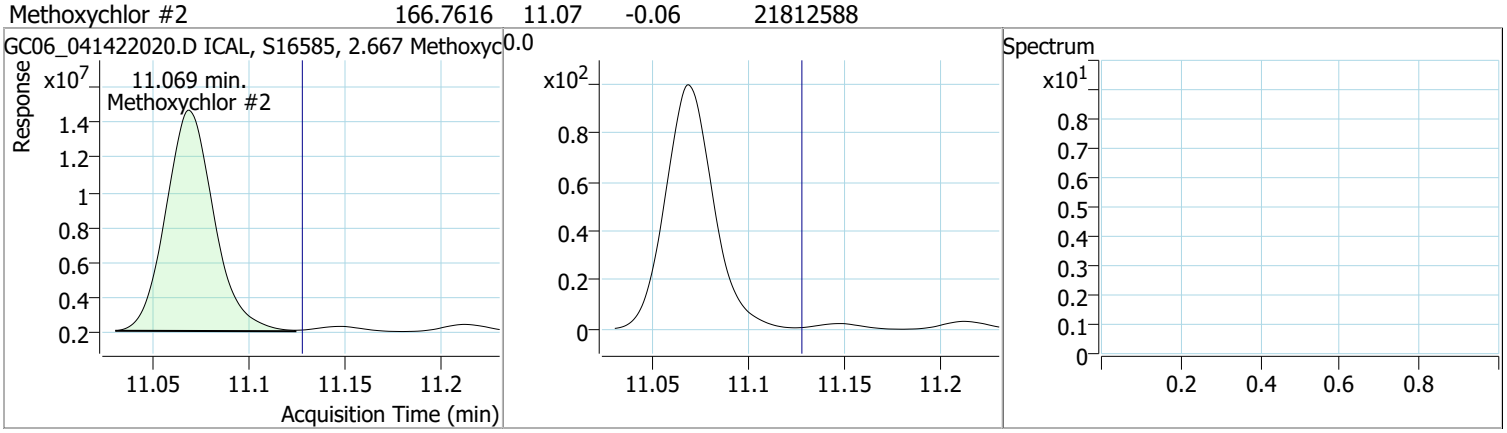
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	46.8221	10.77	-0.02	10983606			



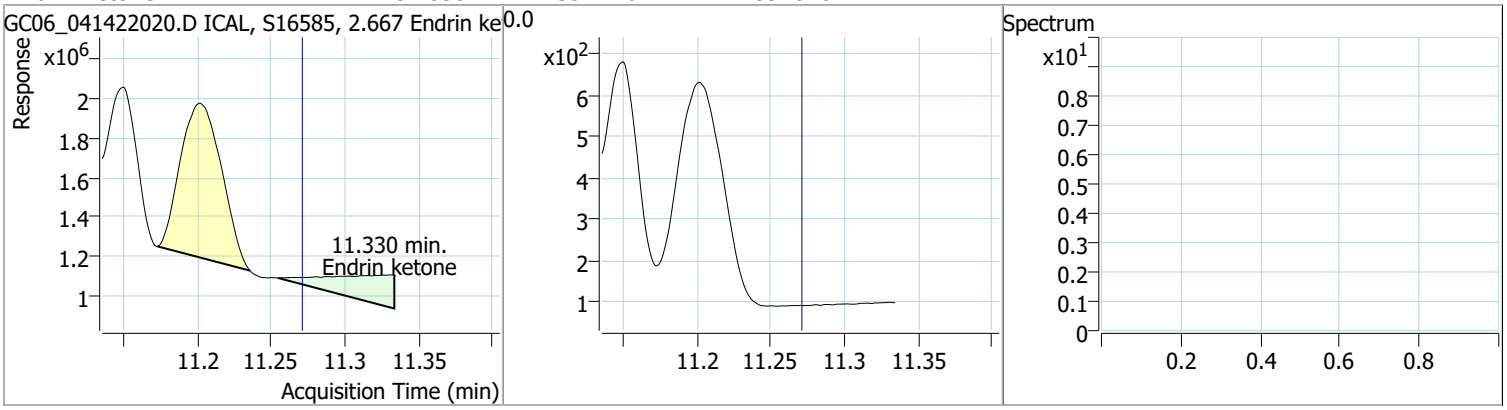
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	1.5696	10.86	-0.02	76622			



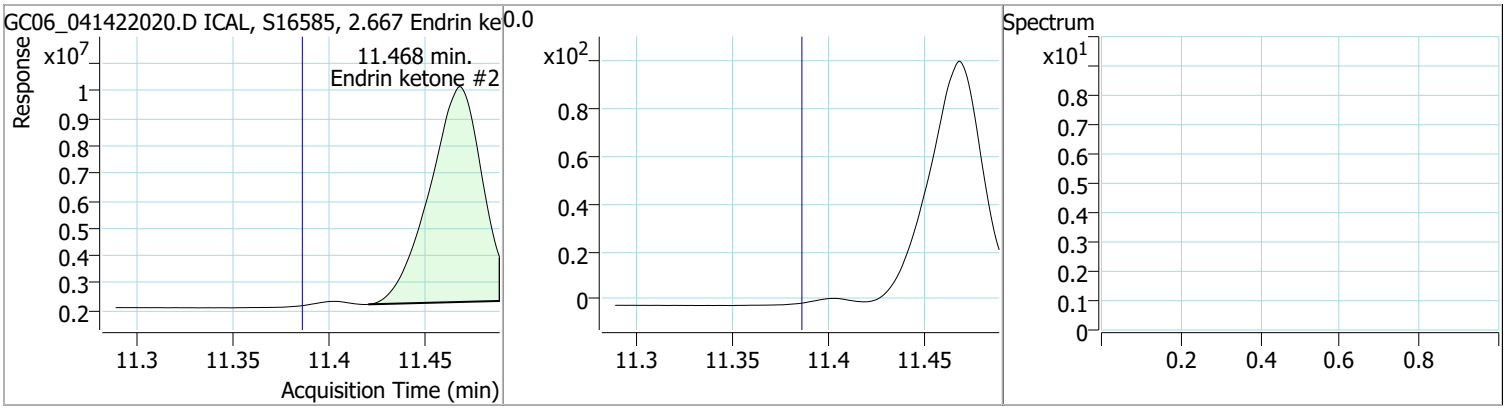
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	166.7616	11.07	-0.06	21812588			



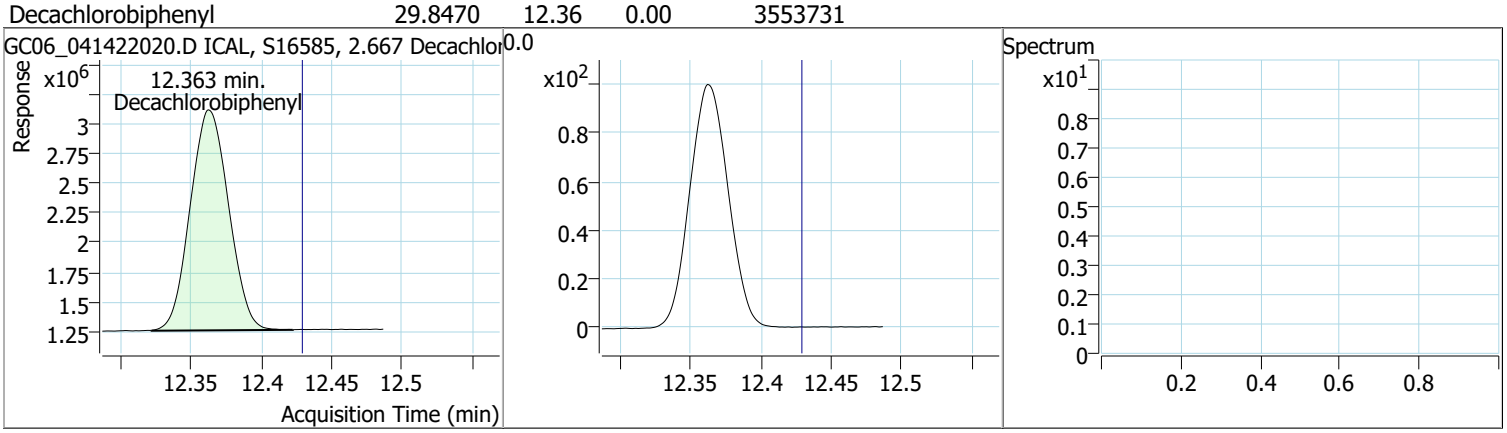
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	5.7838	11.33	0.12	397876			



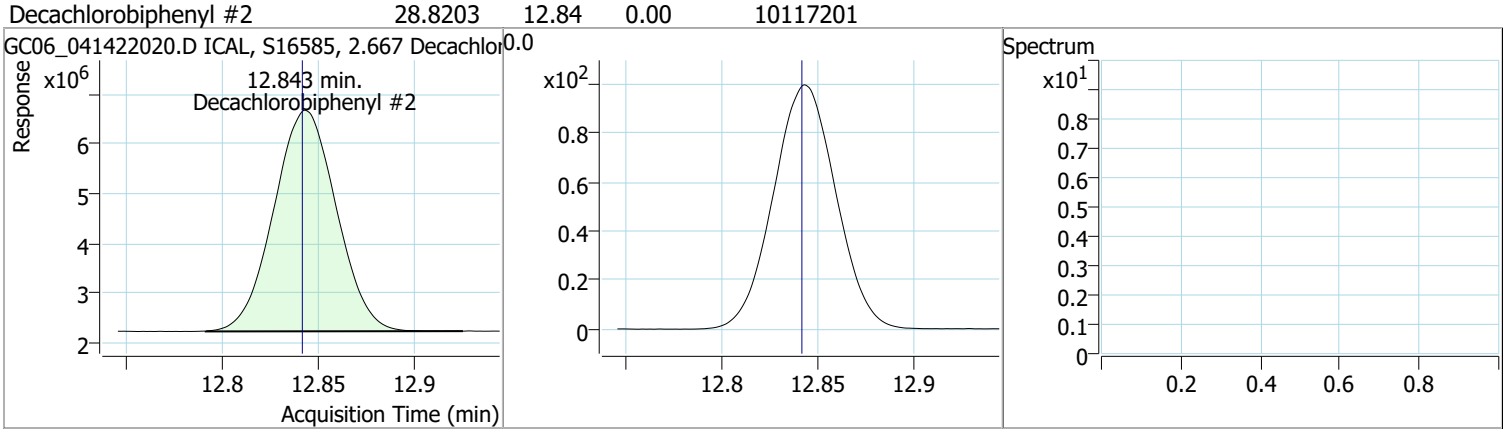
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	48.4077	11.47	0.08	14584668			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	29.8470	12.36	0.00	3553731			

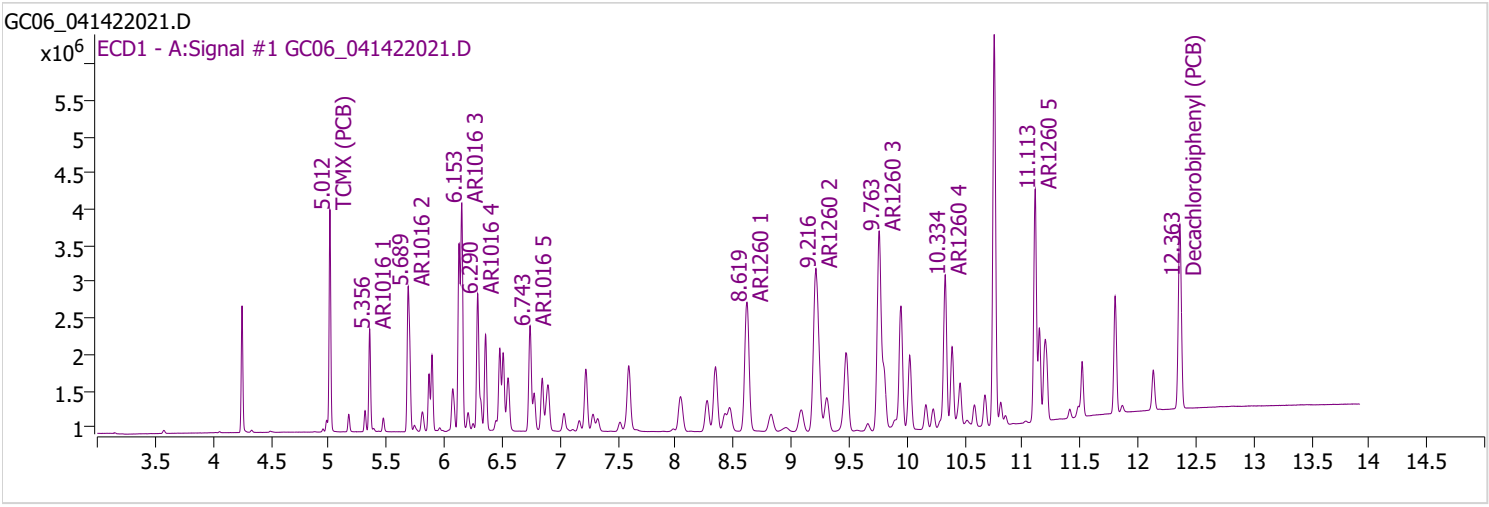


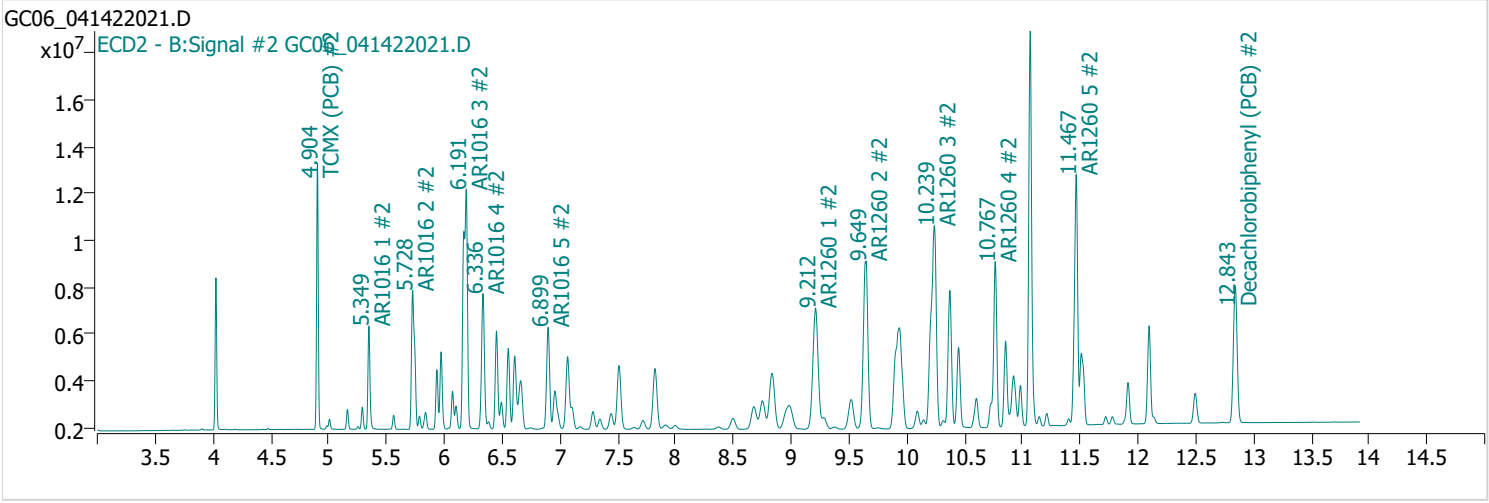
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	28.8203	12.84	0.00	10117201			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422021.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 8:26:46 PM
Sample Name	ICAL, S16585, 2	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 117	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



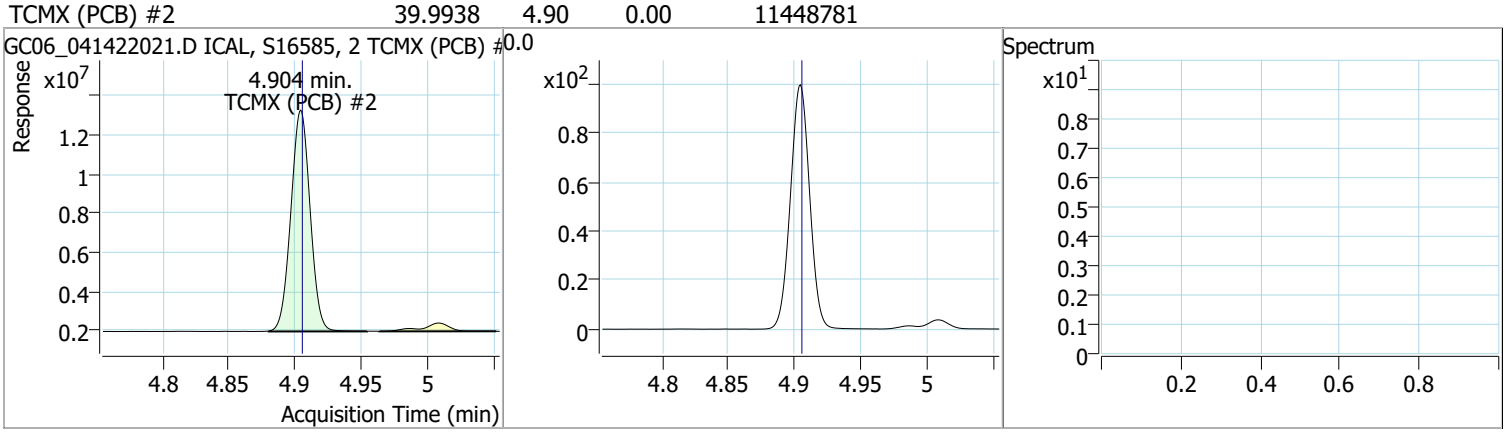


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.252	4.026	1726223	6249825	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.012	4.904	3158804	11448781	38.043	39.994	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	190.22% *	199.97% *	
S Decachlorobiphenyl (PCB)	12.363	12.843	4719394	13502951	35.957	35.805	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	179.78% *	179.02% *	
Target Compounds							
T AR1016 1	5.356	5.349	1559025	5412266	923.292	924.736	ng/ml
T AR1016 2	5.689	5.728	3283408	11352100	893.055	934.640	ng/ml
T AR1016 3	6.153	6.191	4098689	15182937 m	947.237	947.862	ng/ml
T AR1016 4	6.290	6.336	3006591	10164592	928.517	935.344	ng/ml
T AR1016 5	6.743	6.899	2288258	7985575	913.555	939.893	ng/ml
T AR1260 1	8.619	9.212	4769088	16601847 m	877.883	877.677	ng/ml
T AR1260 2	9.216	9.649	7387577	19464462	882.911	890.558	ng/ml
T AR1260 3	9.763	10.239	8027982 m	26860418	922.930	904.557	ng/ml
T AR1260 4	10.334	10.767	3879336	13727290	896.754	854.312	ng/ml

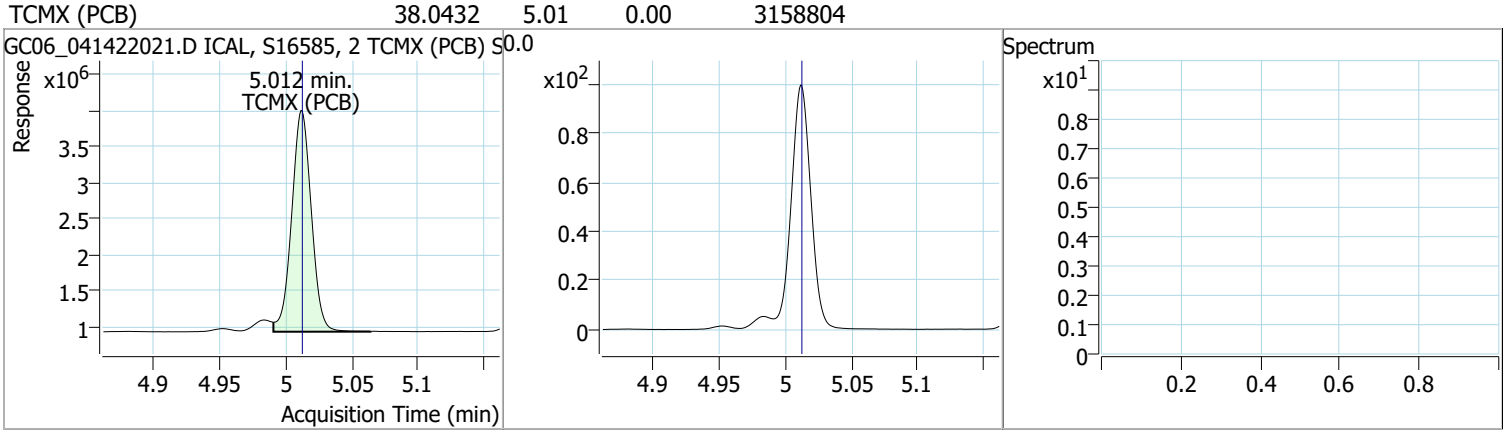
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.113	11.467	5329819	20928472	930.881	883.433	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

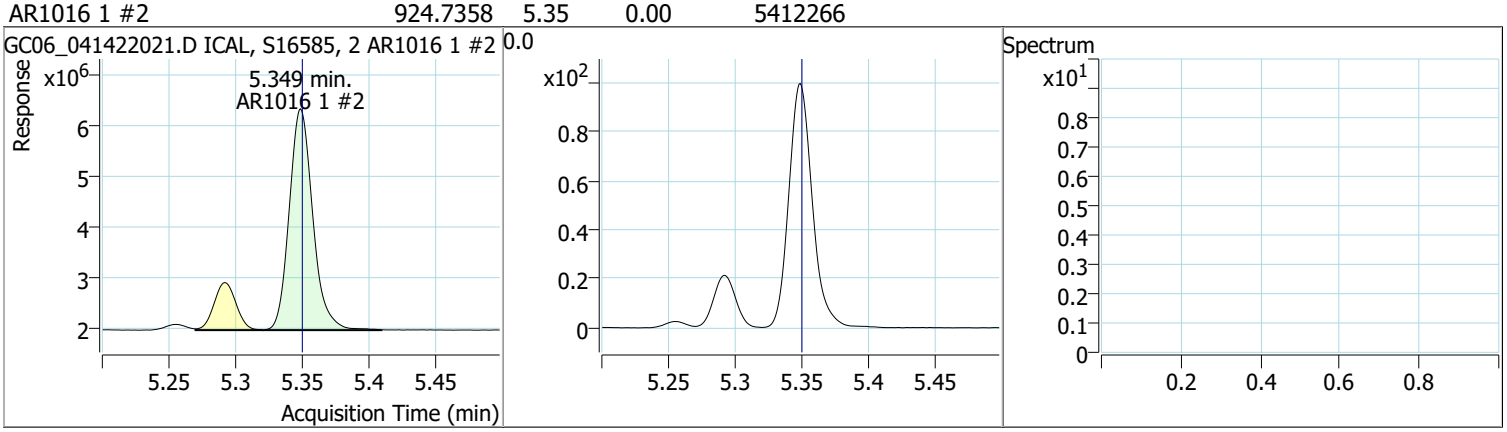
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	39.9938	4.90	0.00	11448781			



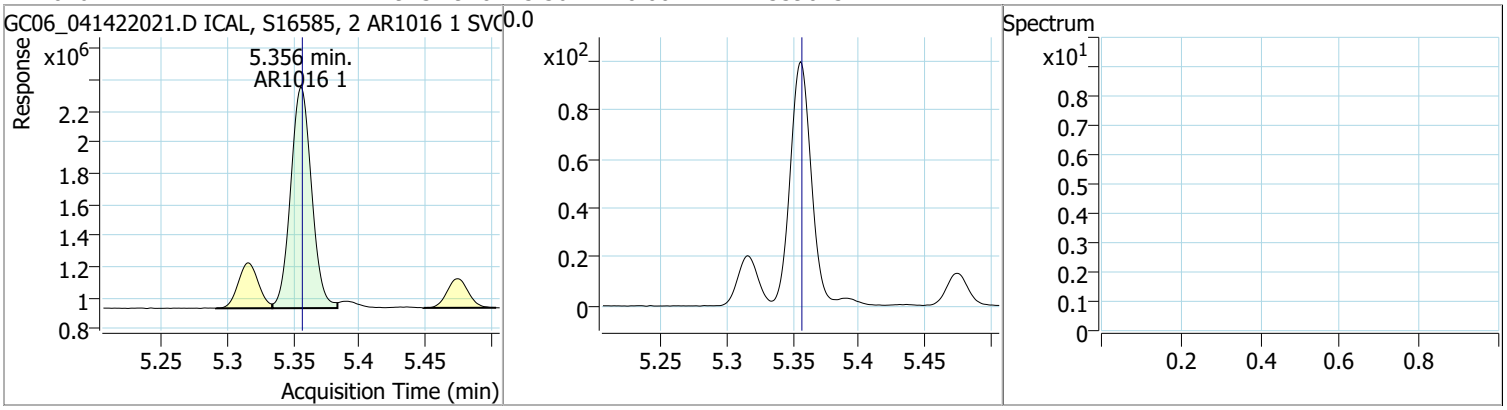
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	38.0432	5.01	0.00	3158804			



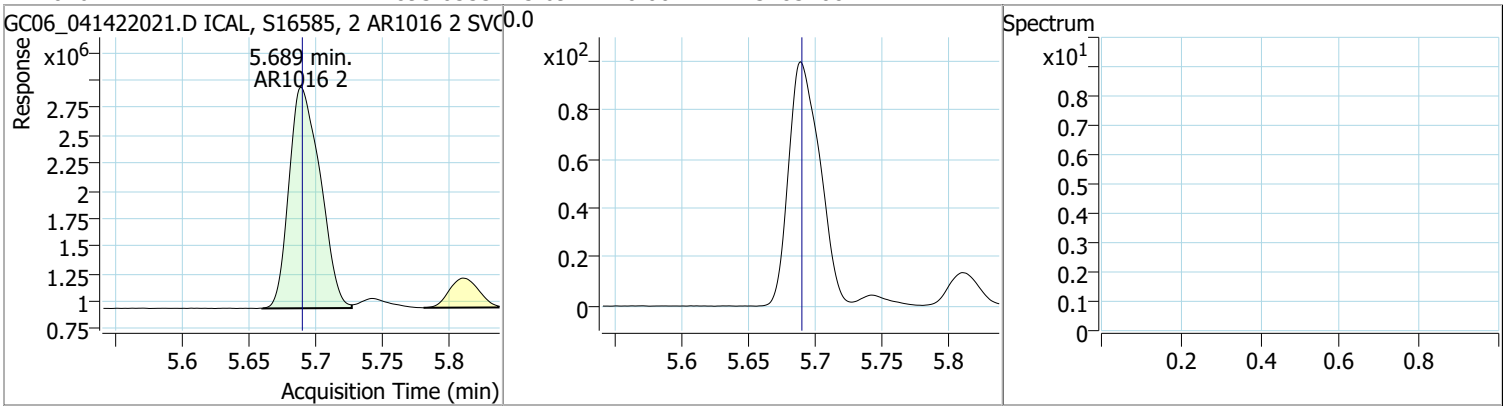
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	924.7358	5.35	0.00	5412266			



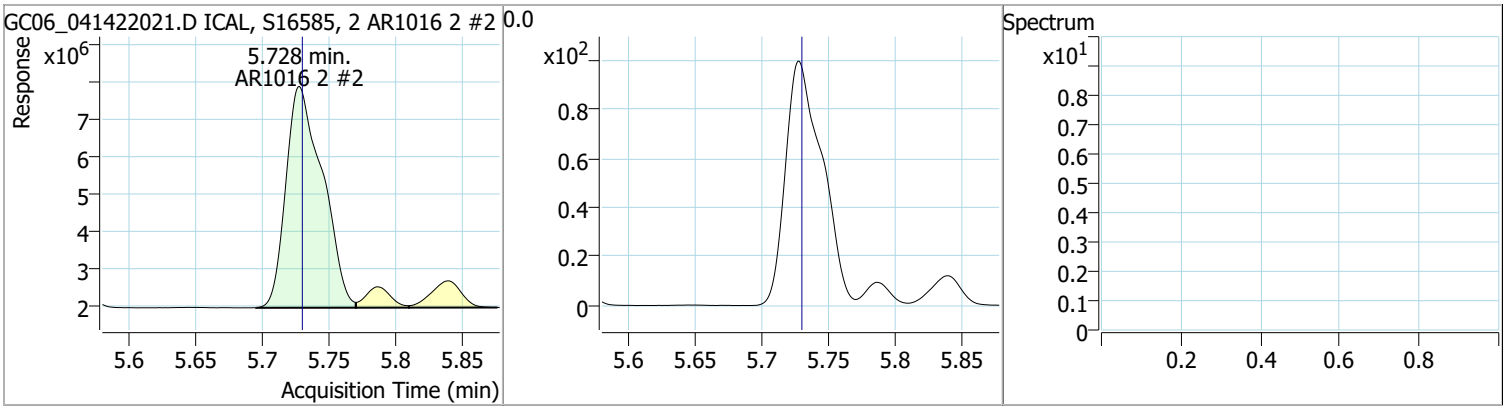
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	923.2920	5.36	0.00	1559025			



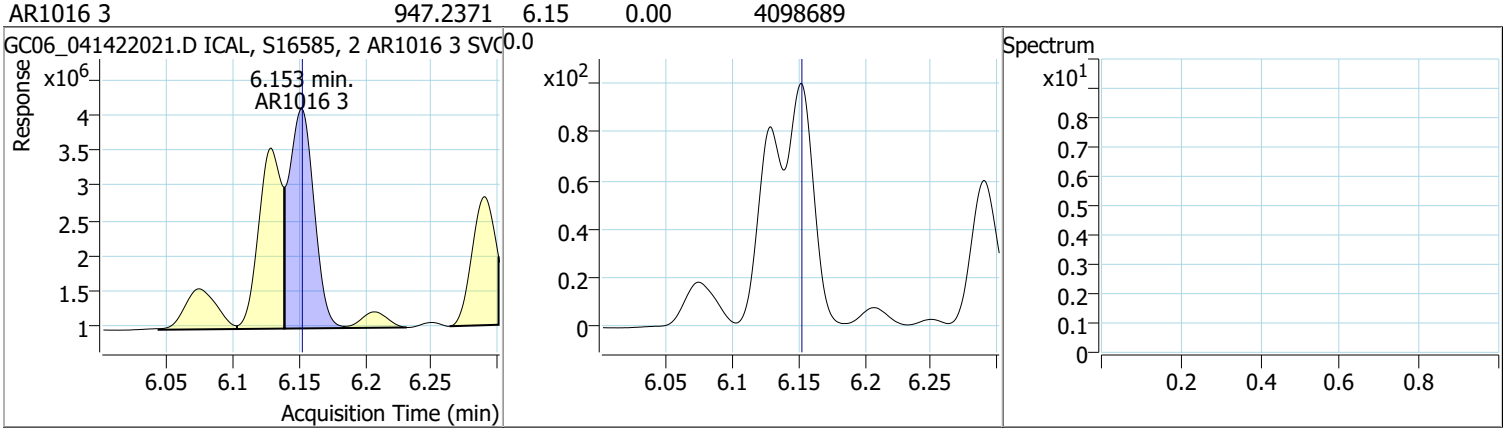
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	893.0553	5.69	0.00	3283408			



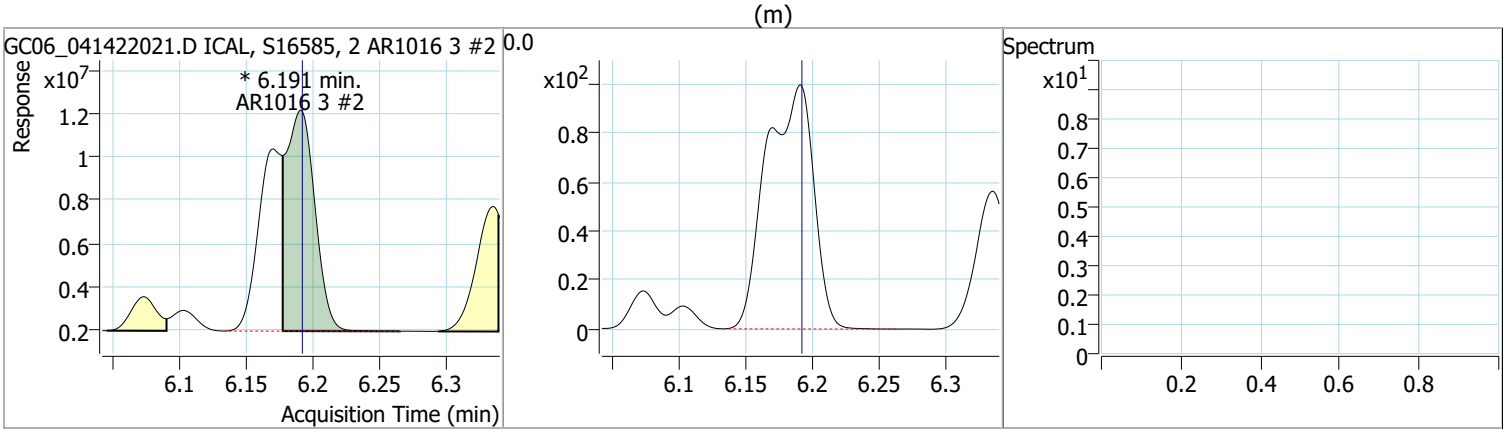
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	934.6403	5.73	0.00	11352100			



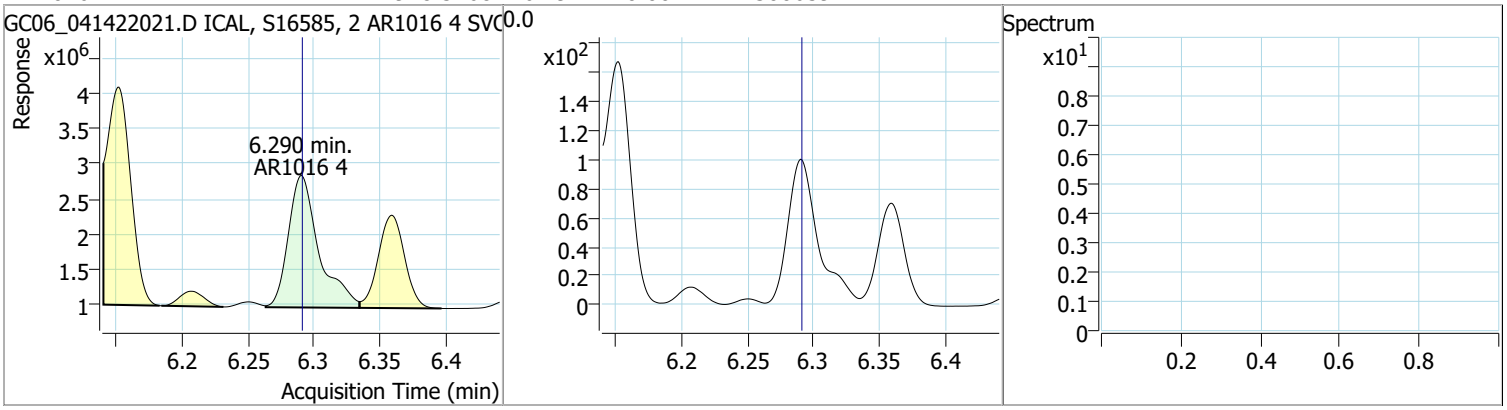
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	947.2371	6.15	0.00	4098689			



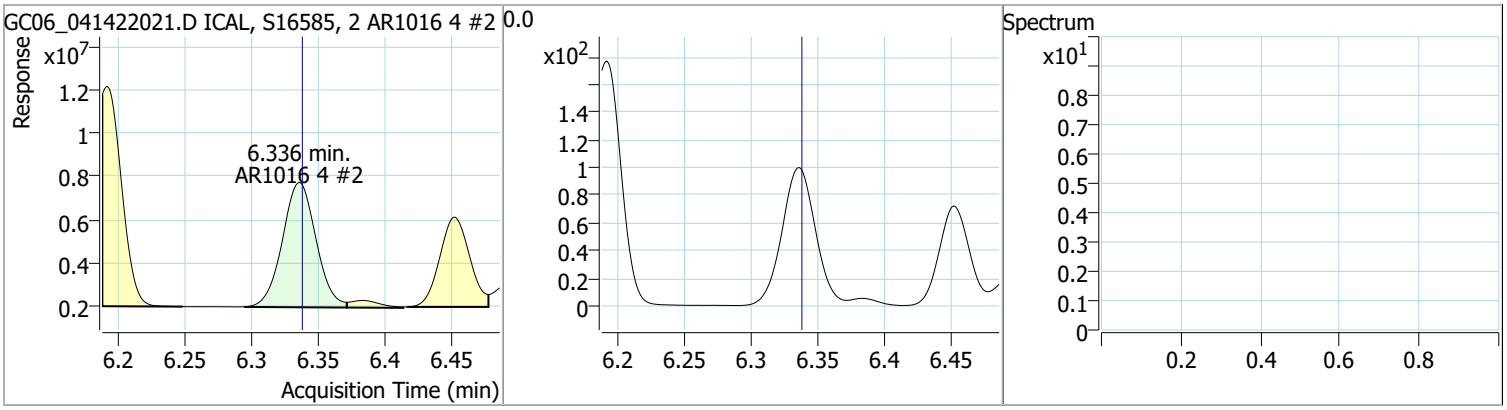
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	947.8618	6.19	0.00	15182937 (m)			



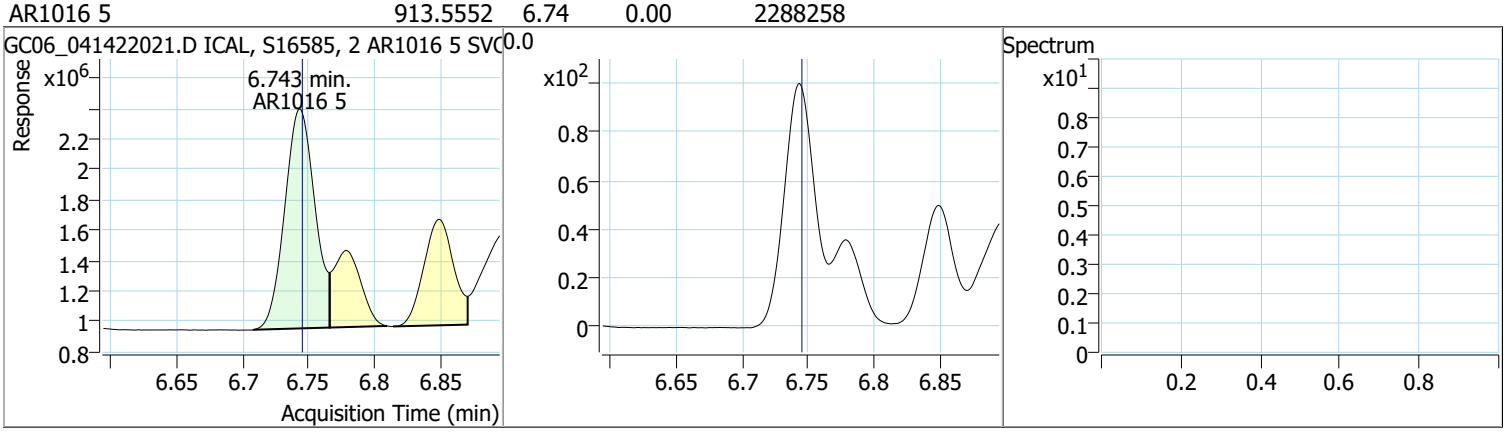
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	928.5168	6.29	0.00	3006591			



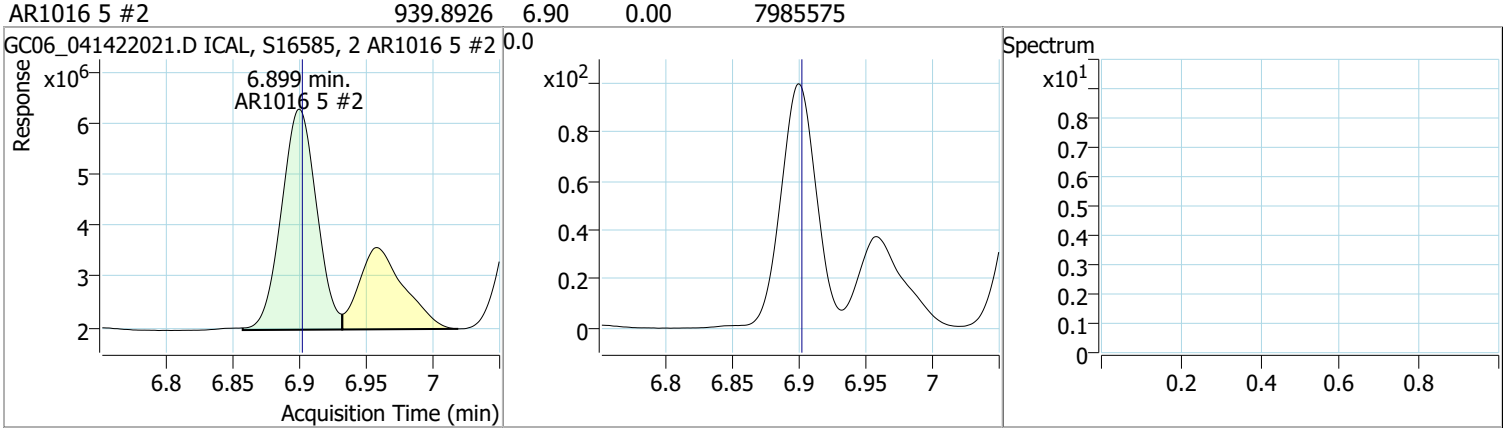
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	935.3441	6.34	0.00	10164592			



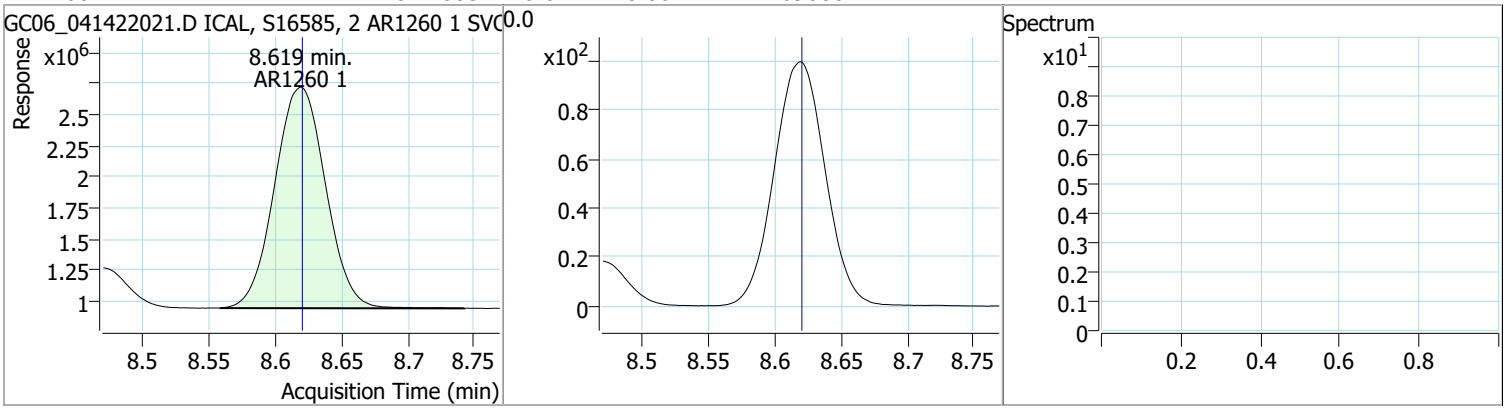
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	913.5552	6.74	0.00	2288258			



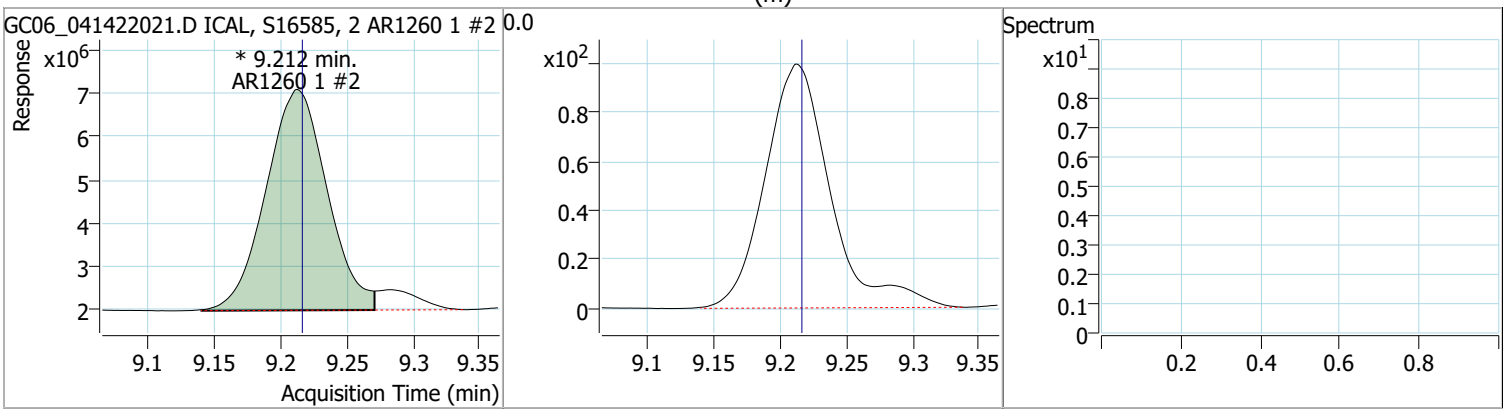
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	939.8926	6.90	0.00	7985575			



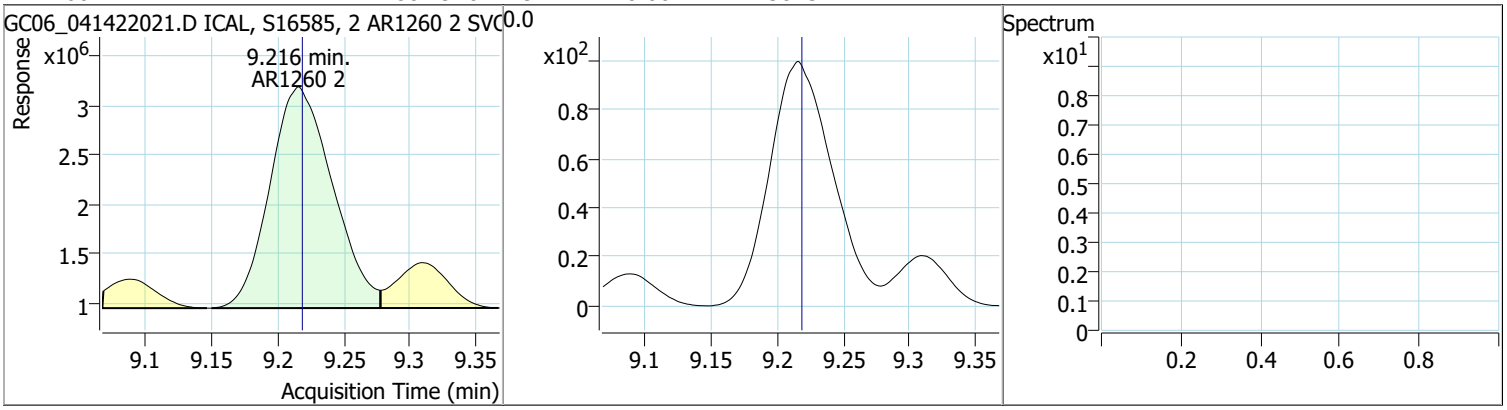
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	877.8831	8.62	0.00	4769088			



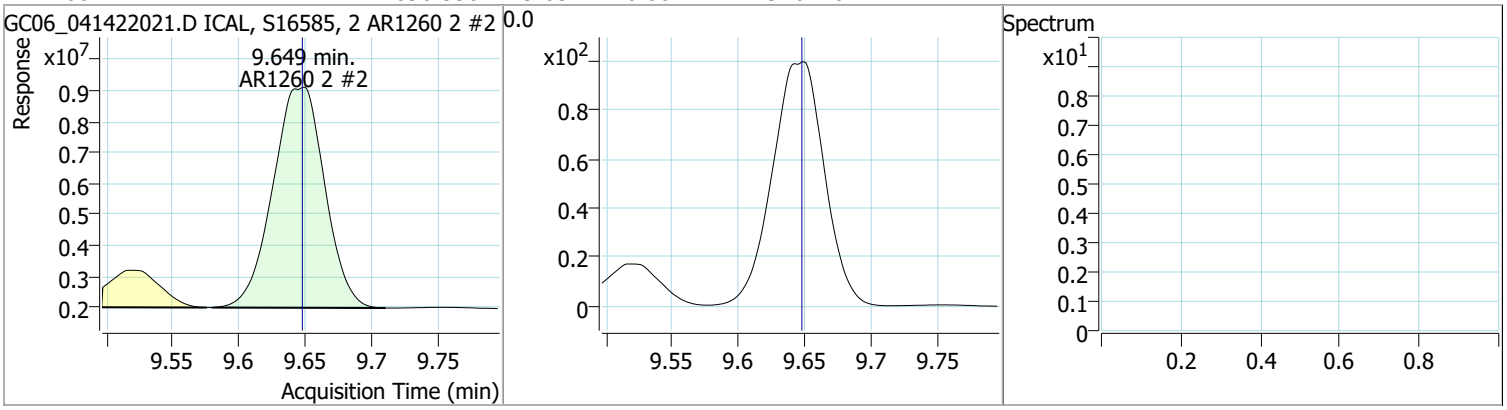
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	877.6771	9.21	0.00	16601847 (m)			



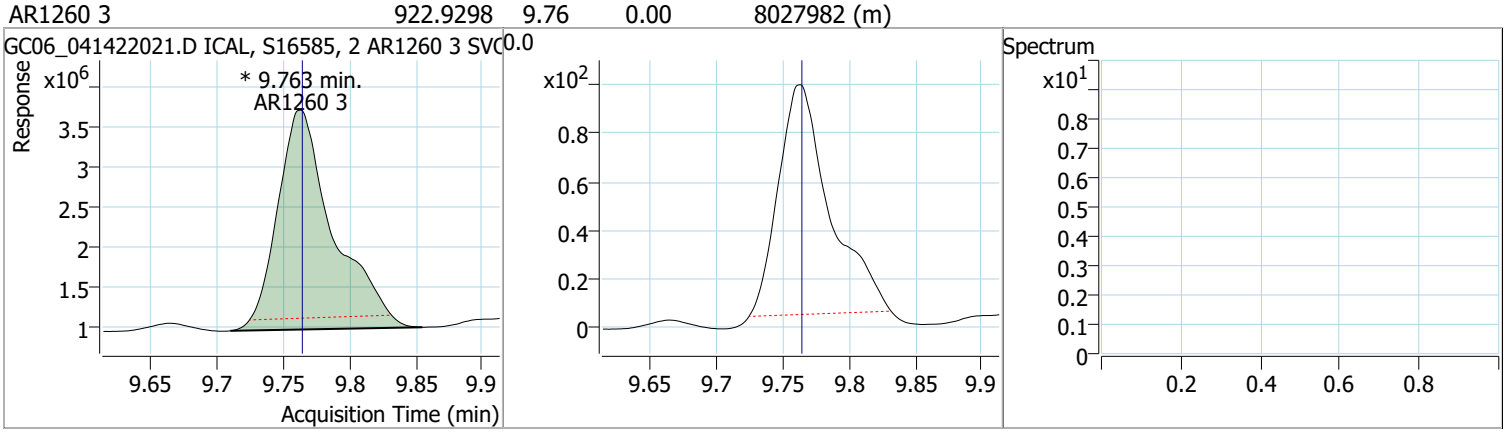
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	882.9107	9.22	0.00	7387577			



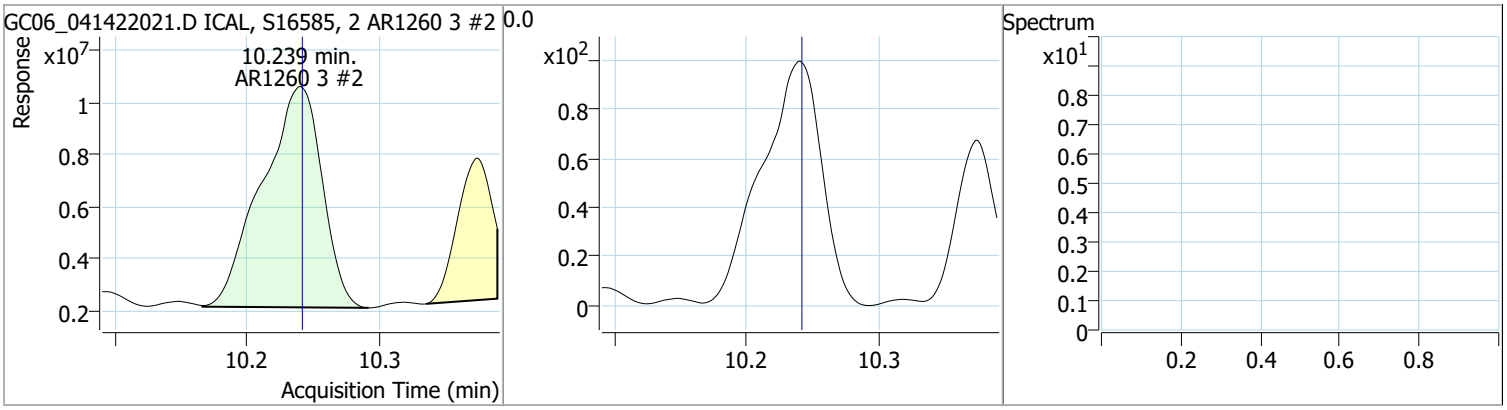
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	890.5584	9.65	0.00	19464462			



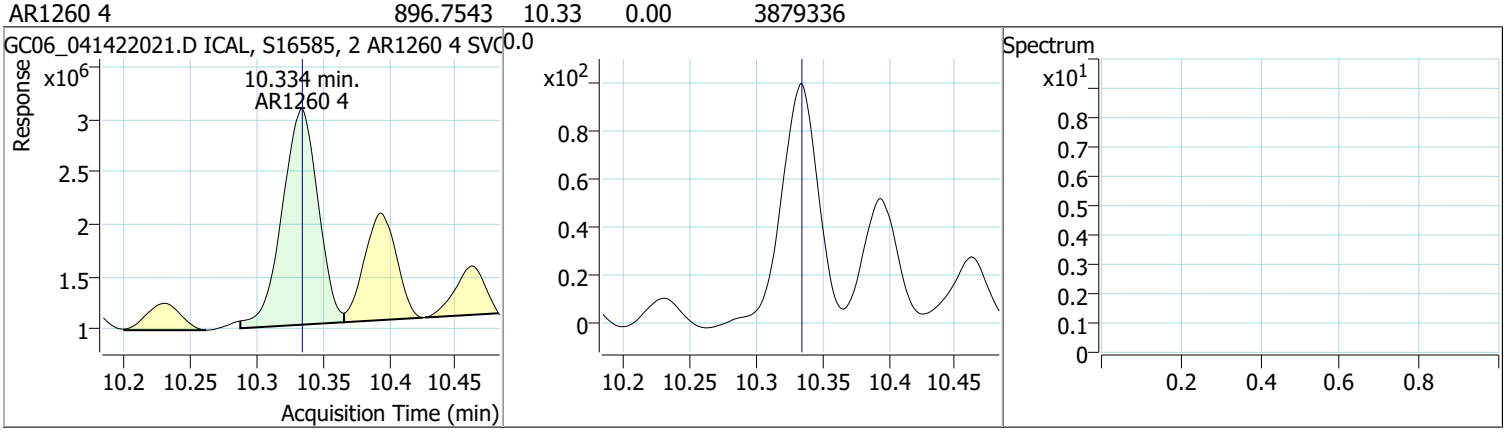
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	922.9298	9.76	0.00	8027982 (m)			



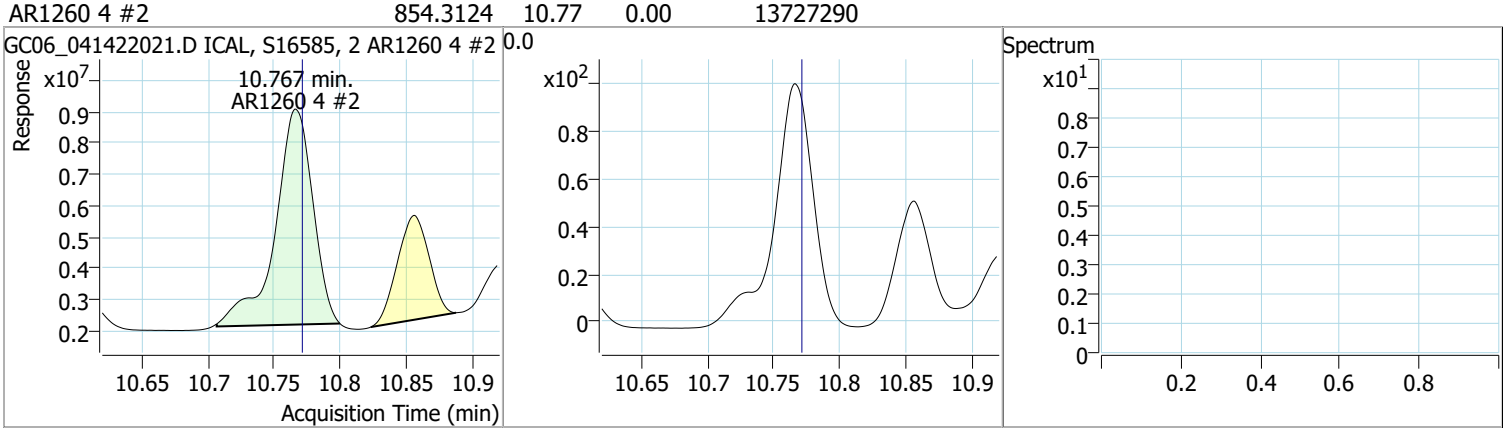
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	904.5572	10.24	0.00	26860418			



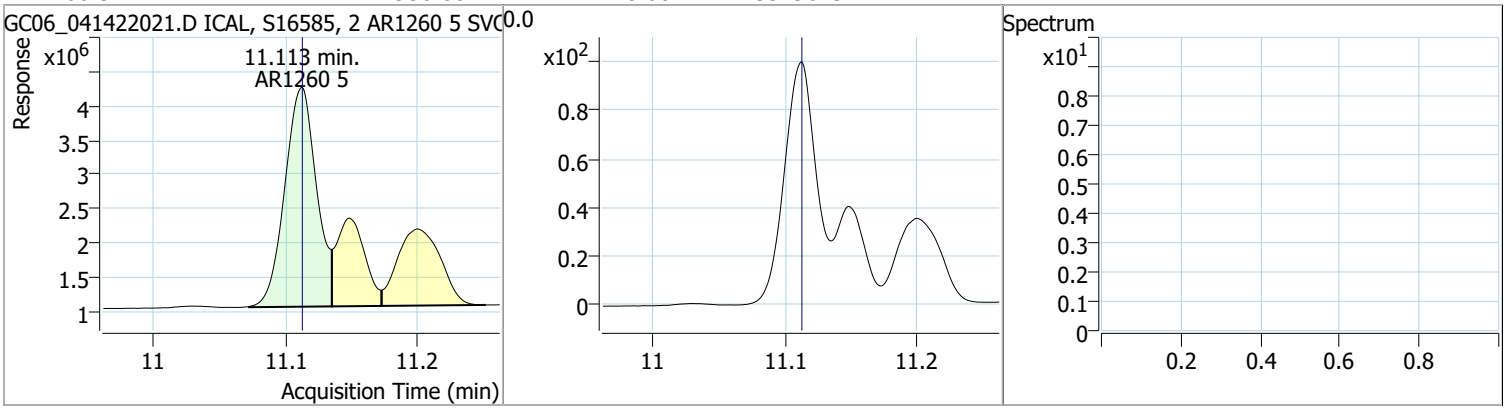
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	896.7543	10.33	0.00	3879336			



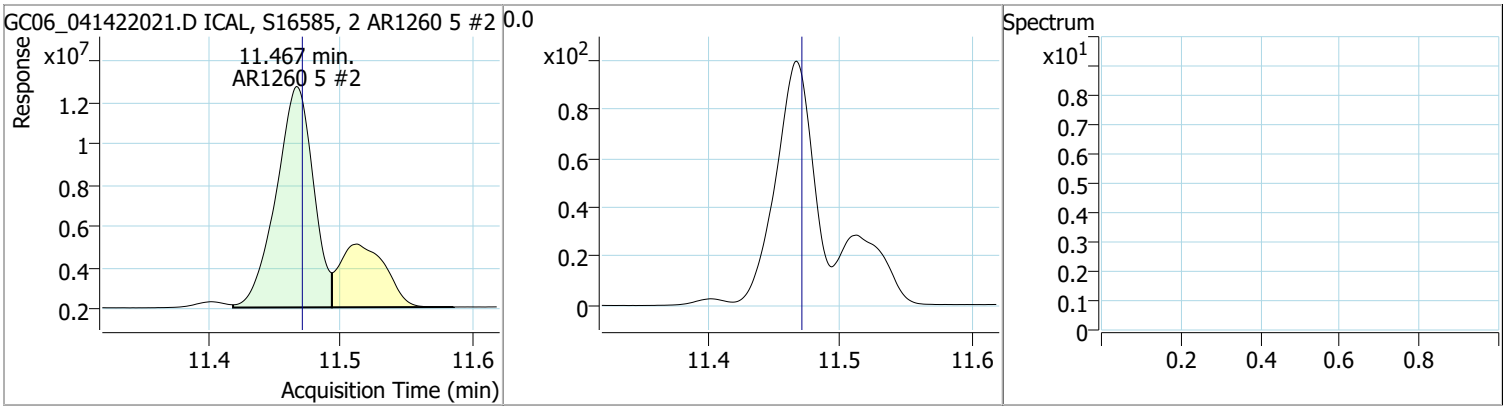
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	854.3124	10.77	0.00	13727290			



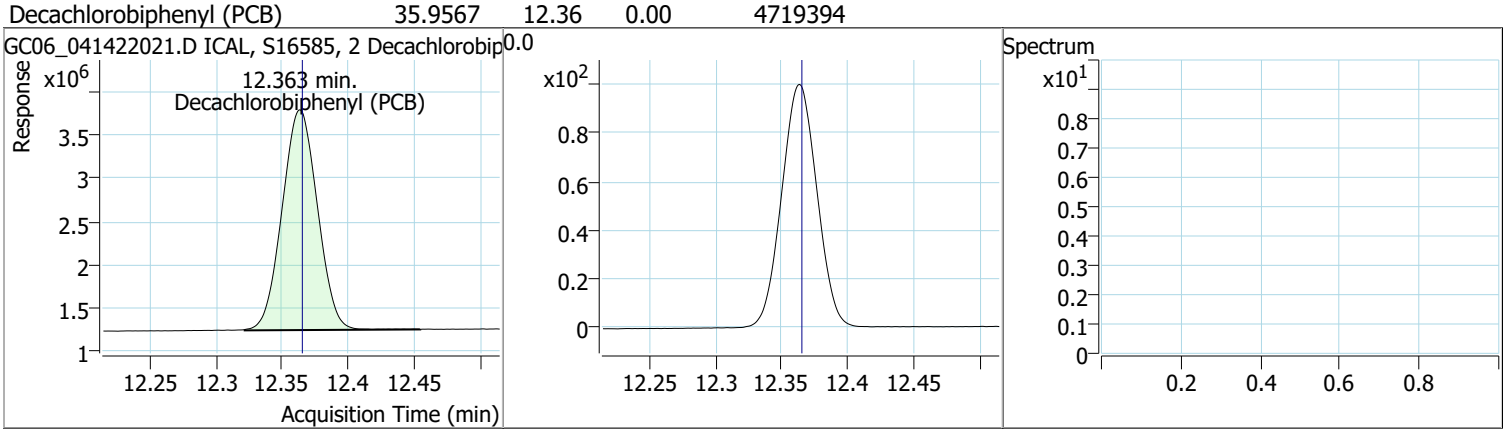
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	930.8812	11.11	0.00	5329819			



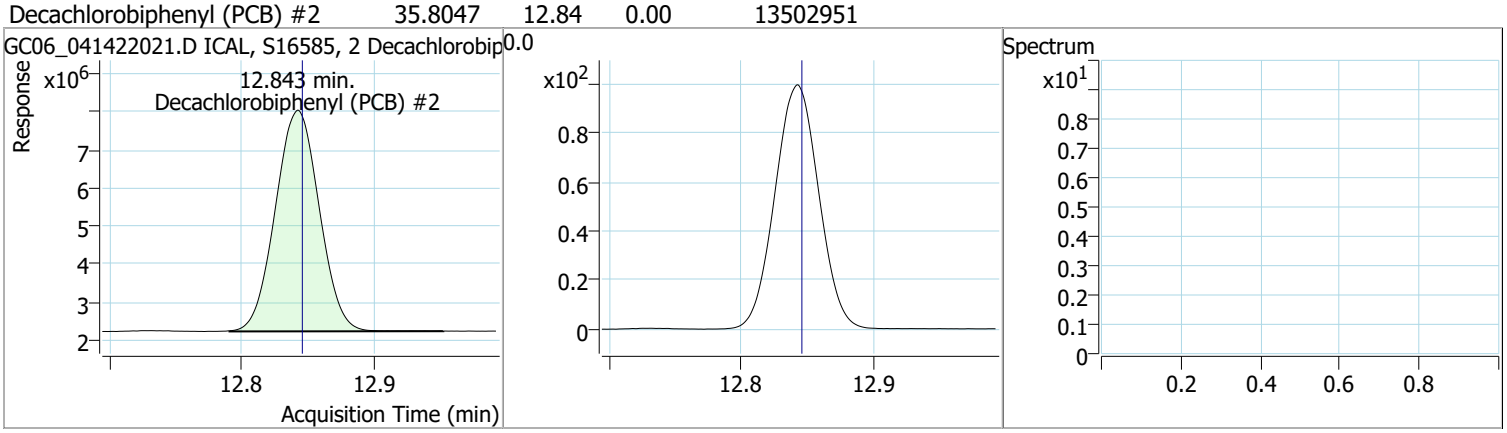
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	883.4334	11.47	0.00	20928472			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	35.9567	12.36	0.00	4719394			

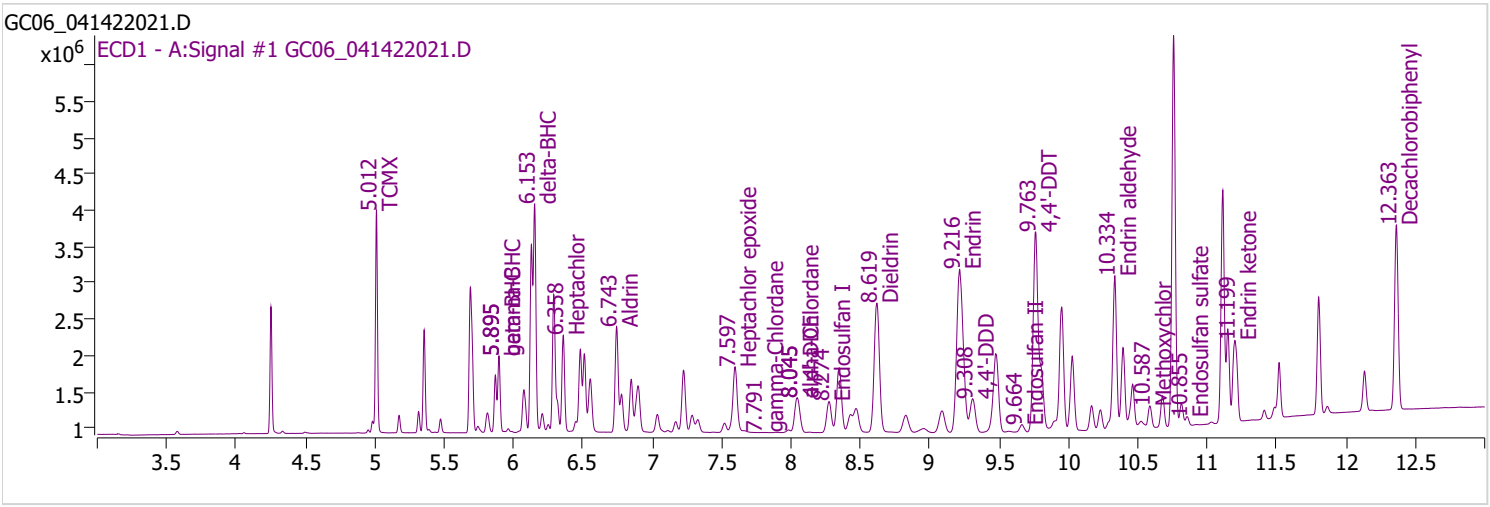


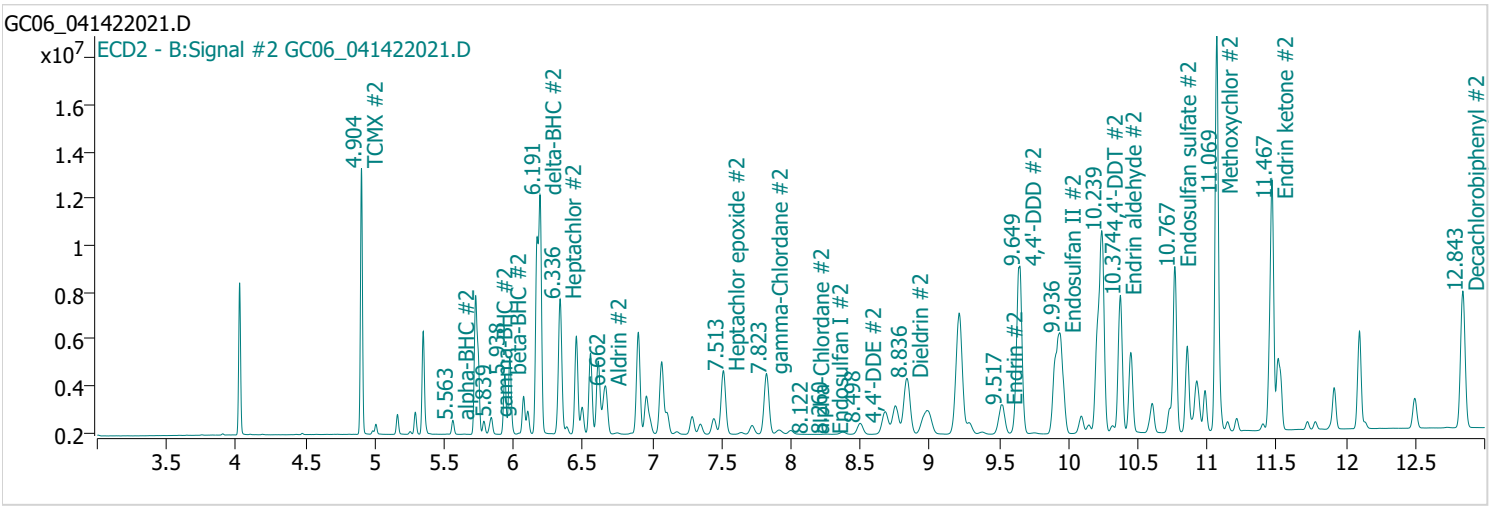
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	35.8047	12.84	0.00	13502951			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422021.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 8:26:46 PM
Sample Name	ICAL, S16585, 2	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 117	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 8:41:01 PM



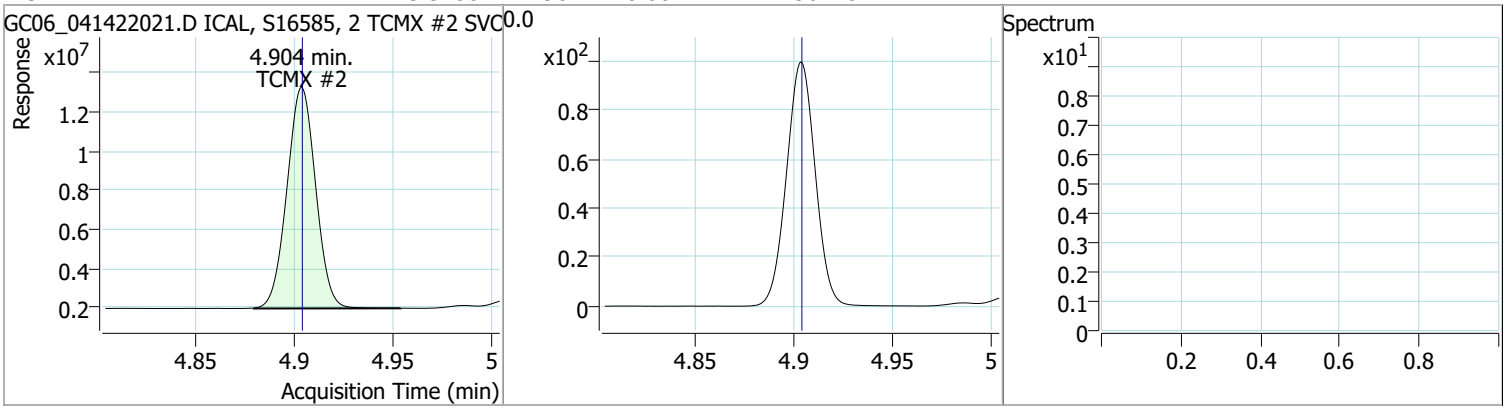


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.252	4.026	1705220	6237320	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.012	4.904	3158750	11436748	43.261	45.379	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	216.31% *	226.89% *	
S Decachlorobiphenyl	12.363	12.843	4708900	13481222	42.652	40.727	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	213.26% *	203.63% *	
Target Compounds							
T alpha-BHC	----	5.563 f	0	677720	N.D.	3.259 #	ng/ml
T gamma-BHC	5.895	5.839	1258227	1016202	19.400	4.801 #	ng/ml
T beta-BHC	5.895	5.938	1248074	3295961	36.476	25.558 #	ng/ml
T delta-BHC	6.153	6.191	4030553	25296848	43.626	54.949 #	ng/ml
T Heptachlor	6.358	6.336	1644144	10093516	23.861	33.141 #	ng/ml
T Aldrin	6.743	6.662 f	2292942	4639458	30.597	20.409 #	ng/ml
T Heptachlor epoxide	7.597	7.513	1939346	5680328	27.101	23.252	ng/ml
T gamma-Chlordane	7.791	7.823	1248	6263878	0.024	23.585 #	ng/ml
T alpha-Chlordane	8.045	8.122	784249	670	13.887	0.004 #	ng/ml

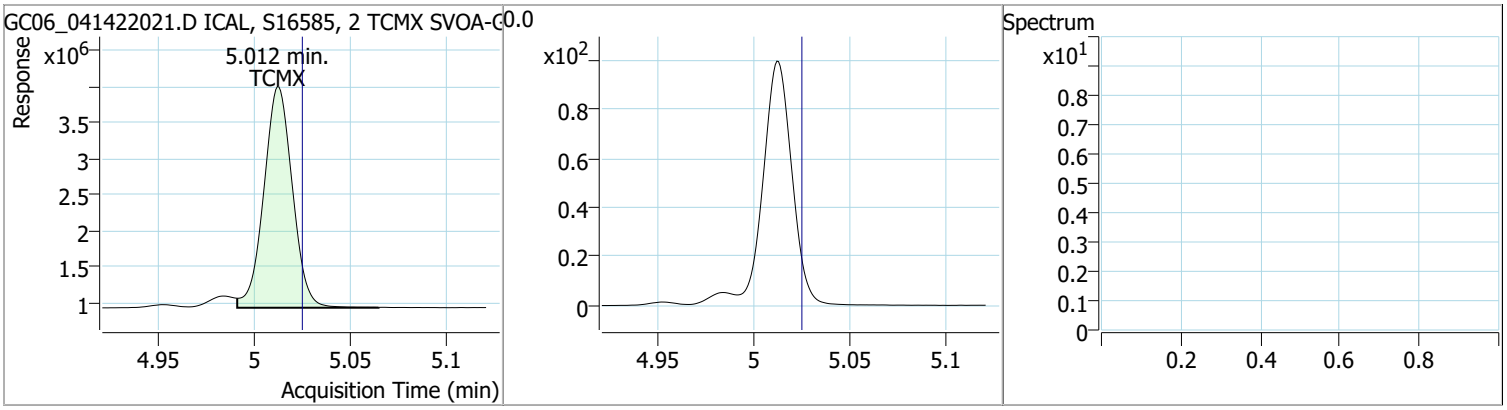
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.274	8.260	987150	29273	18.316	0.170 #	ng/ml
T 4,4'-DDE	8.045	8.498 f	1192619	1323530	21.697	7.827 #	ng/ml
T Dieldrin	8.619	8.836	4757019	6645238	62.667	31.893 #	ng/ml
T Endrin	9.216	9.517	6874073	3668606	83.813	20.156 #	ng/ml
T 4,4'-DDD	9.308	9.649 f	721711	17662285	18.058	90.039 #	ng/ml
T Endosulfan II	9.664	9.936 f	211278	18596498	4.222	70.312 #	ng/ml
T 4,4'-DDT	9.763	10.239	7825709	26703508	119.179	87.819 #	ng/ml
T Endrin aldehyde	10.334	10.374	3615488	11626546	68.488	61.806	ng/ml
T Endosulfan sulfate	10.855	10.767	106741	14667492	2.409	66.646 #	ng/ml
T Methoxychlor	10.587	11.069 f	491010	29283753	18.261	240.145 #	ng/ml
T Endrin ketone	11.199	11.467 f	1997888	19548666	31.690	69.601 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

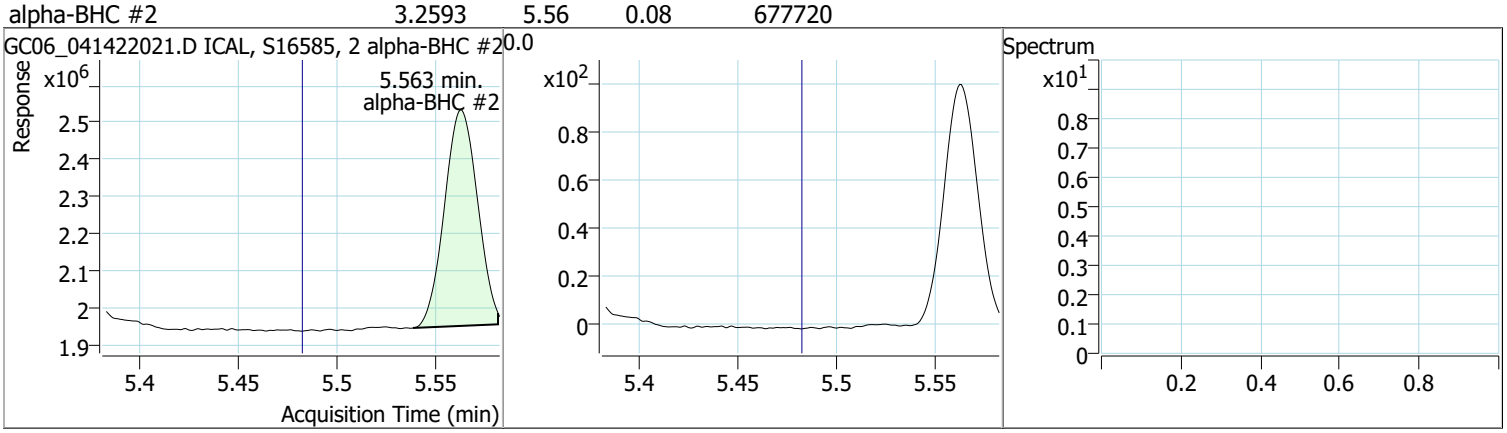
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	45.3788	4.90	0.00	11436748			



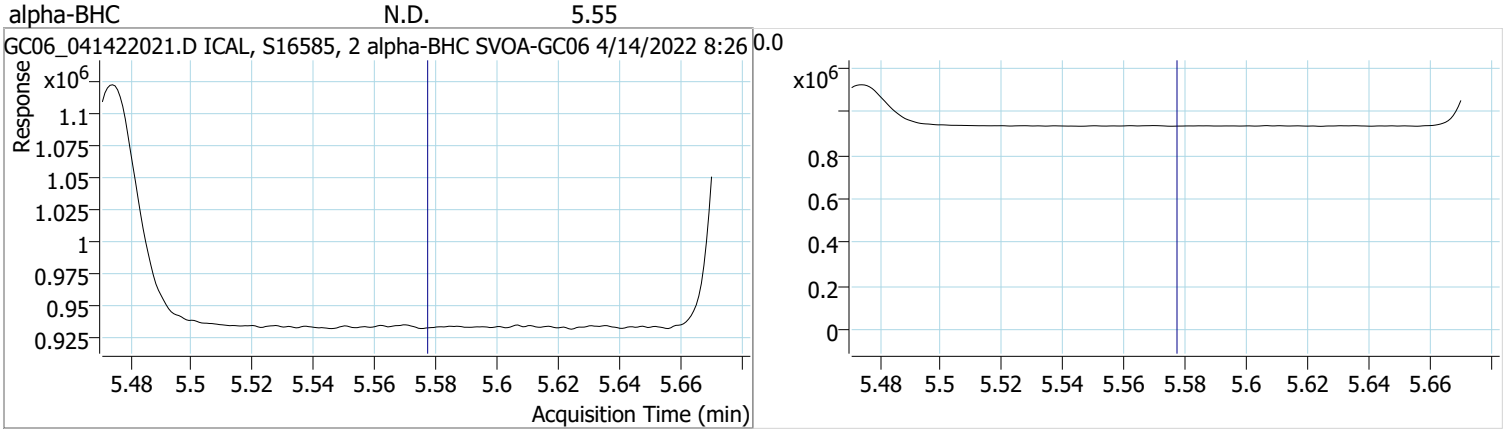
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	43.2613	5.01	0.01	3158750			



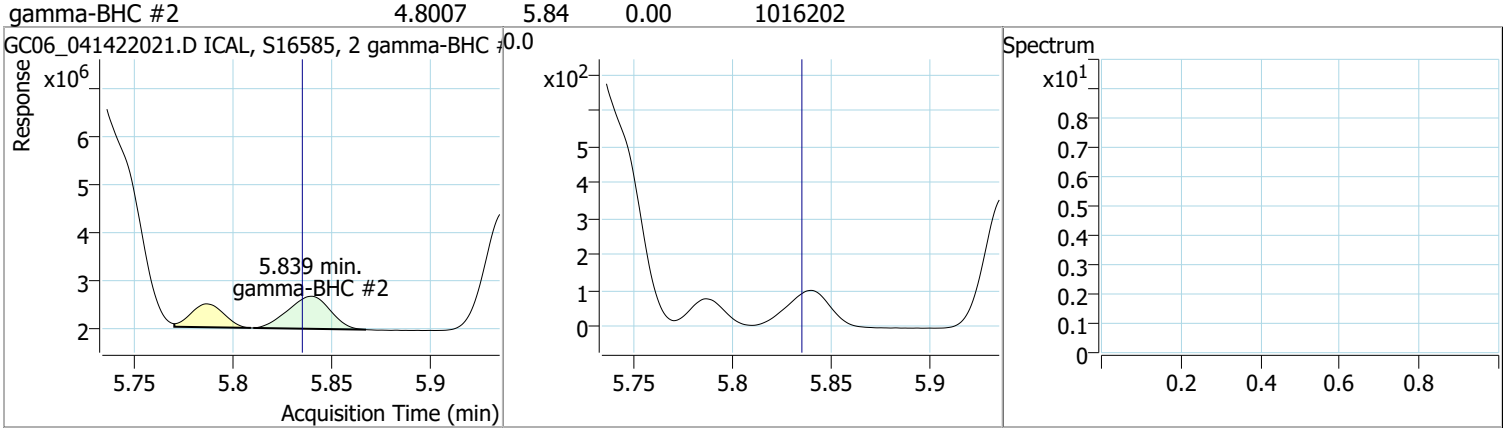
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	3.2593	5.56	0.08	677720			



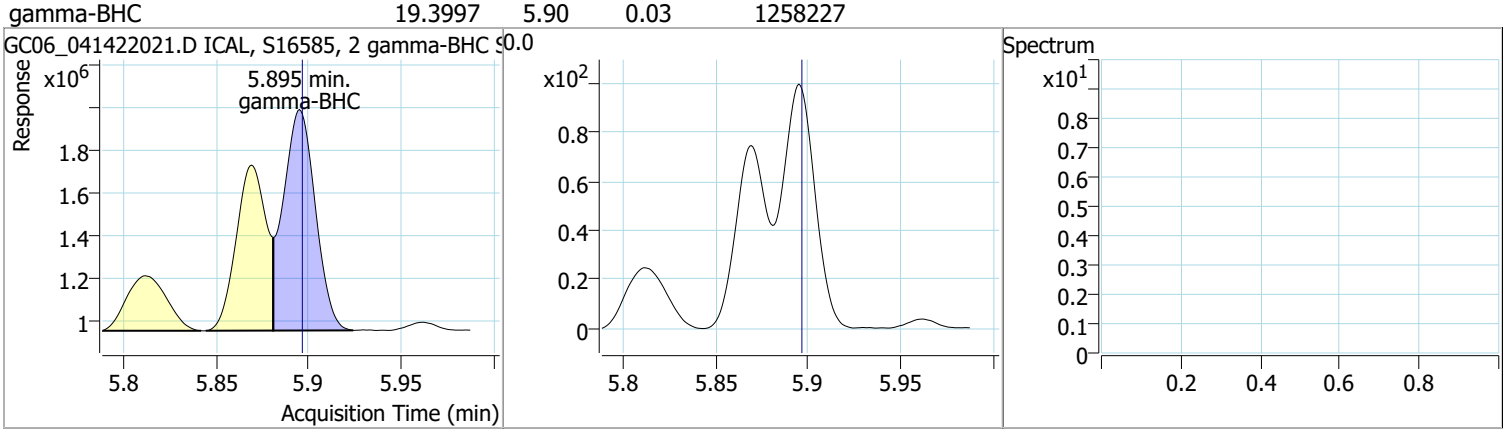
Compound	Conc.		Exp Ratio
alpha-BHC	N.D.	5.55	



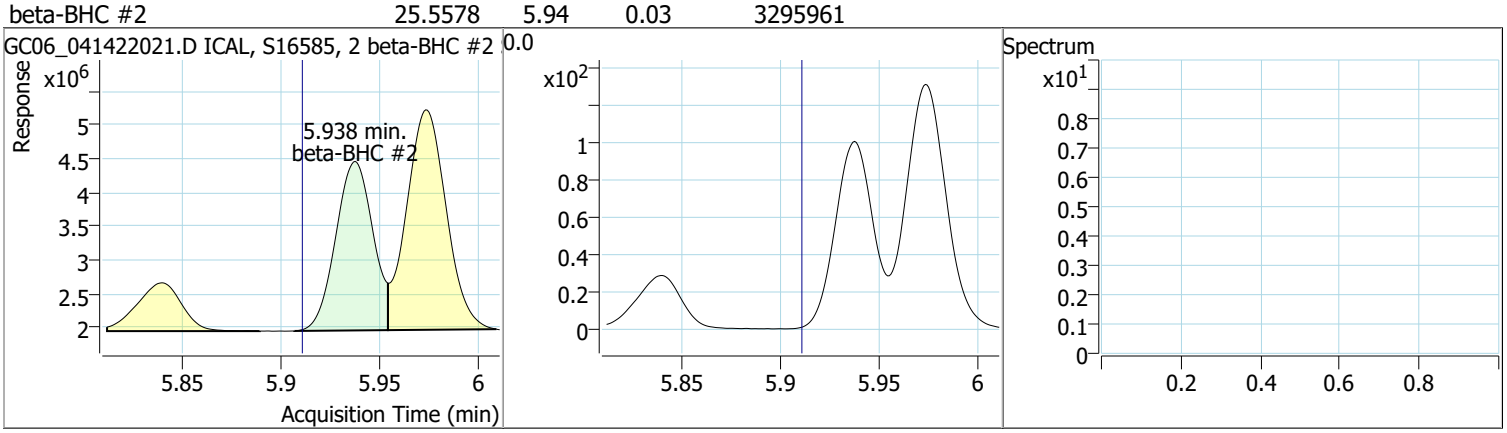
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	4.8007	5.84	0.00	1016202			



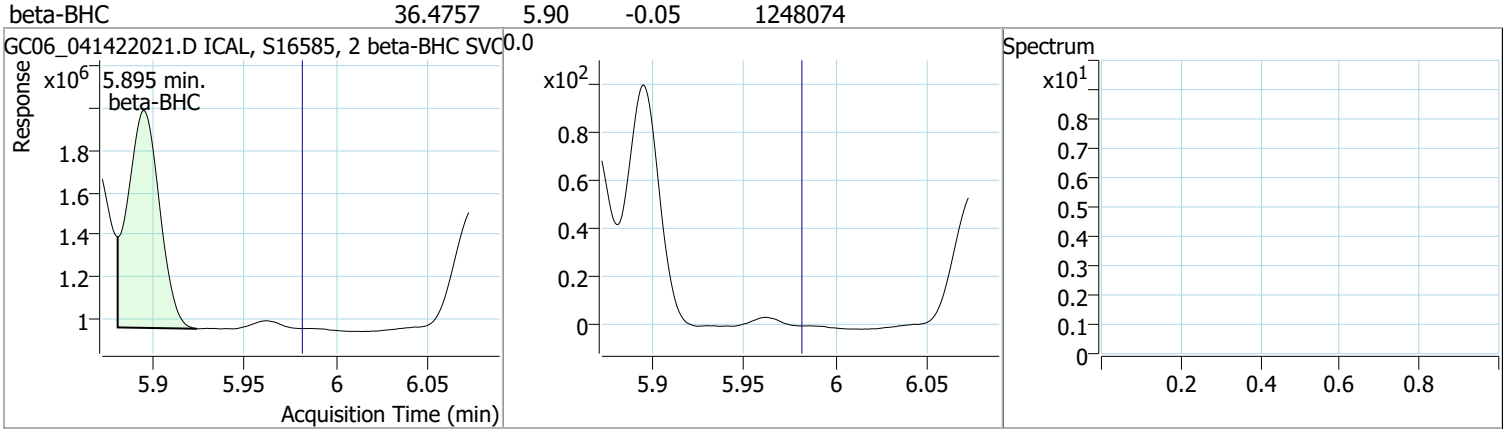
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	19.3997	5.90	0.03	1258227			



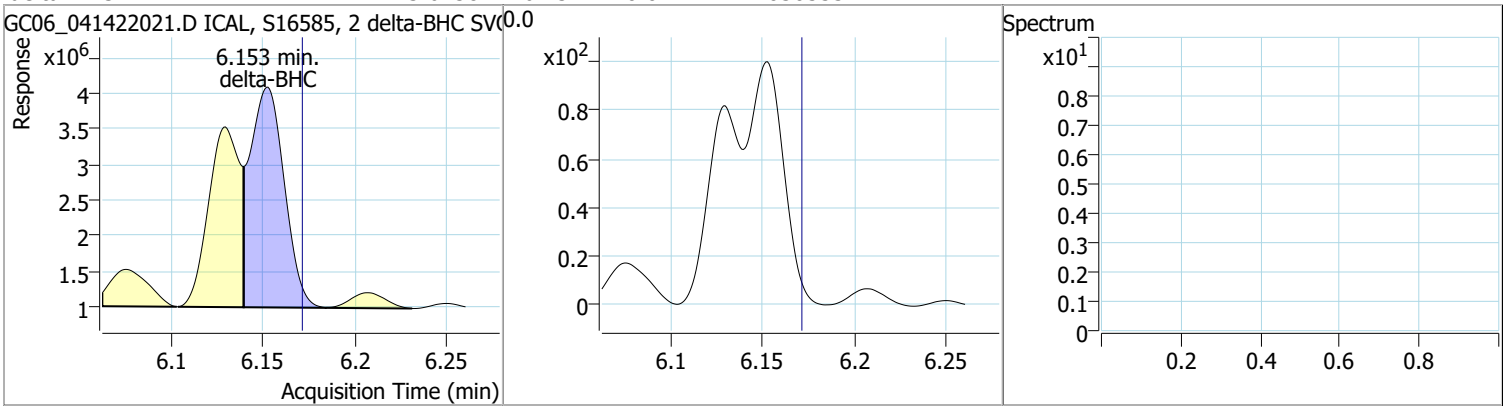
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	25.5578	5.94	0.03	3295961			



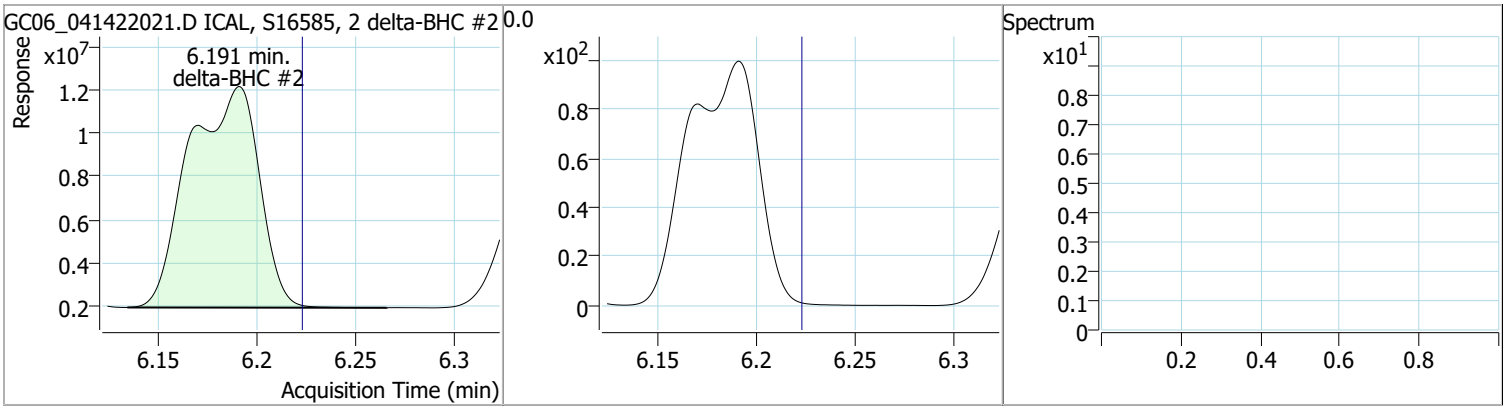
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	36.4757	5.90	-0.05	1248074			



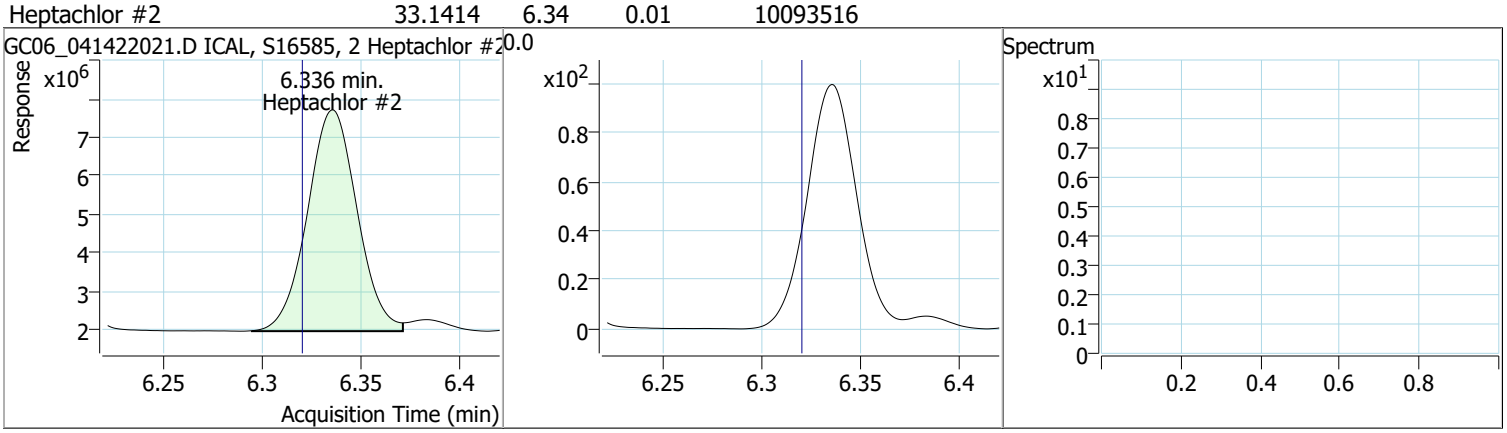
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	43.6258	6.15	0.01	4030553			



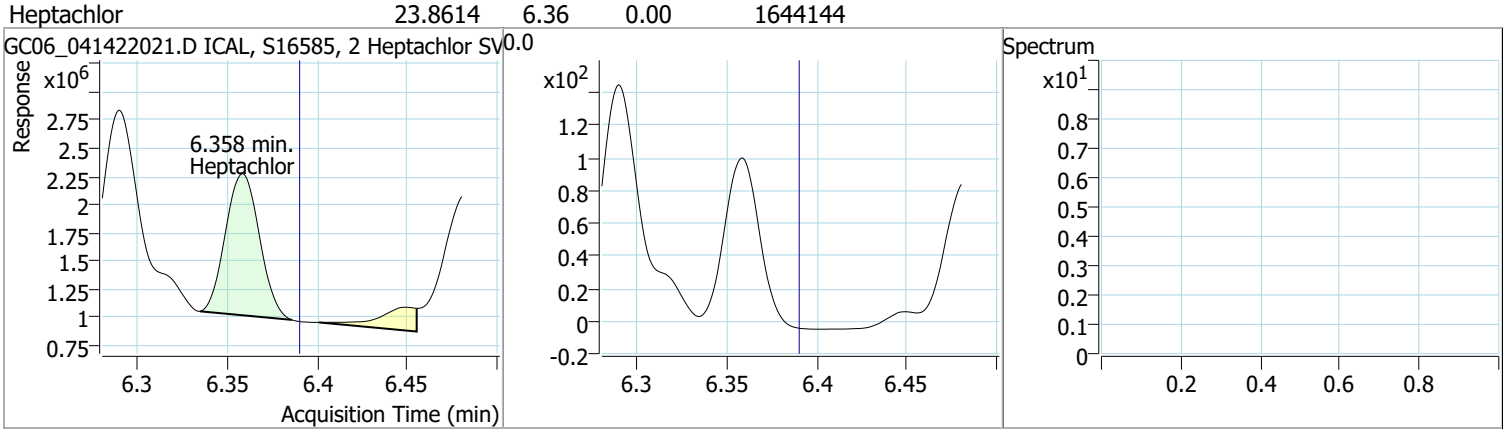
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	54.9494	6.19	-0.03	25296848			



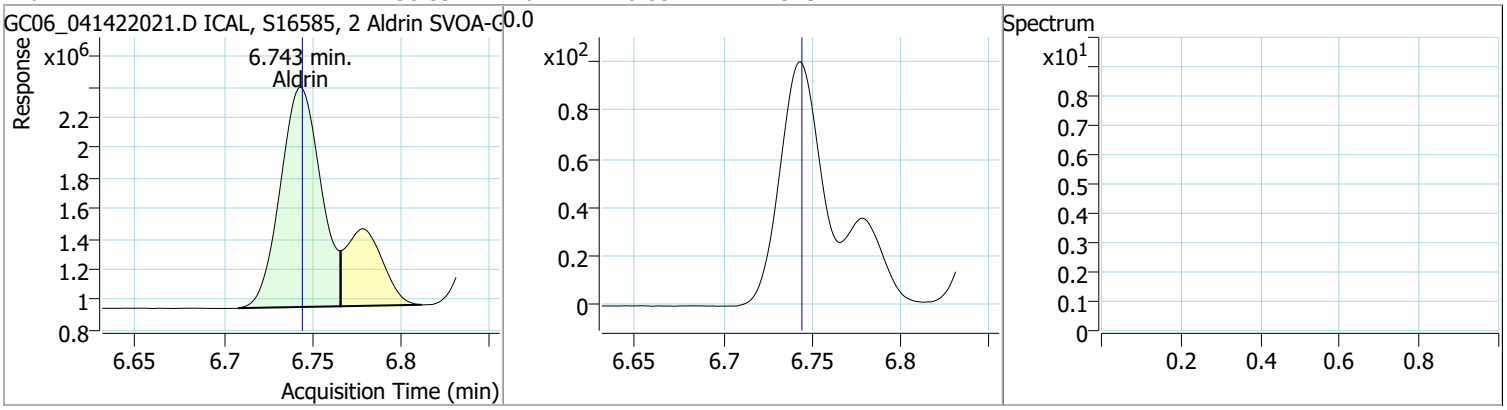
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	33.1414	6.34	0.01	10093516			



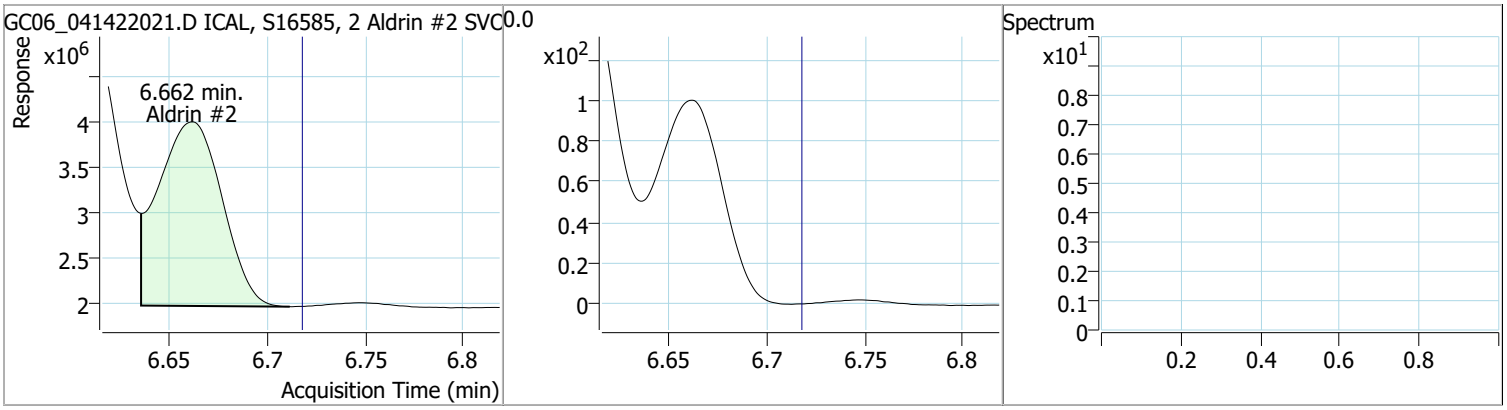
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	23.8614	6.36	0.00	1644144			



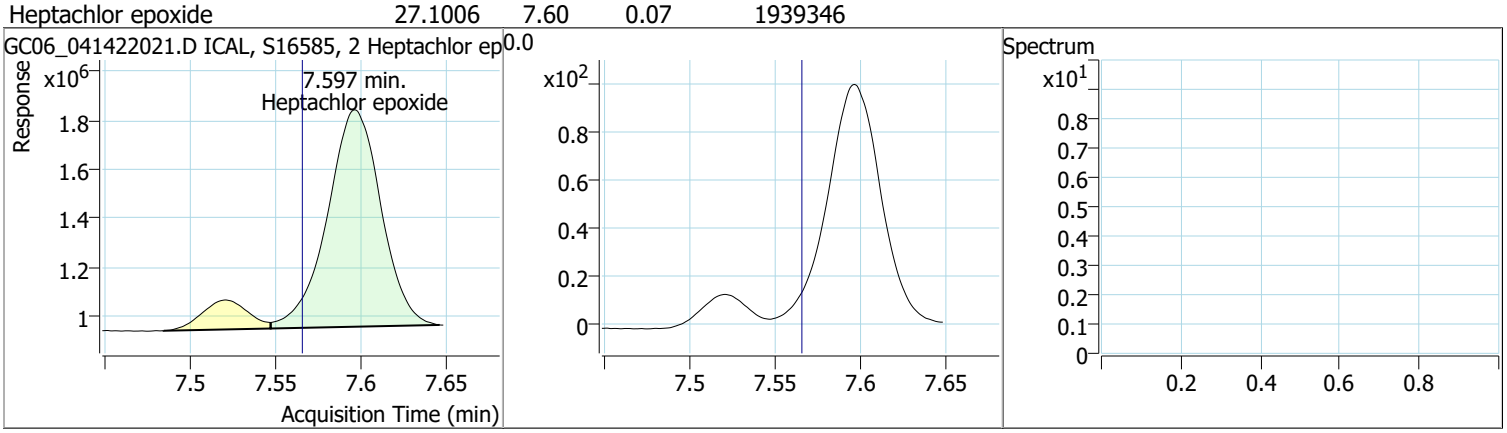
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	30.5971	6.74	0.03	2292942			



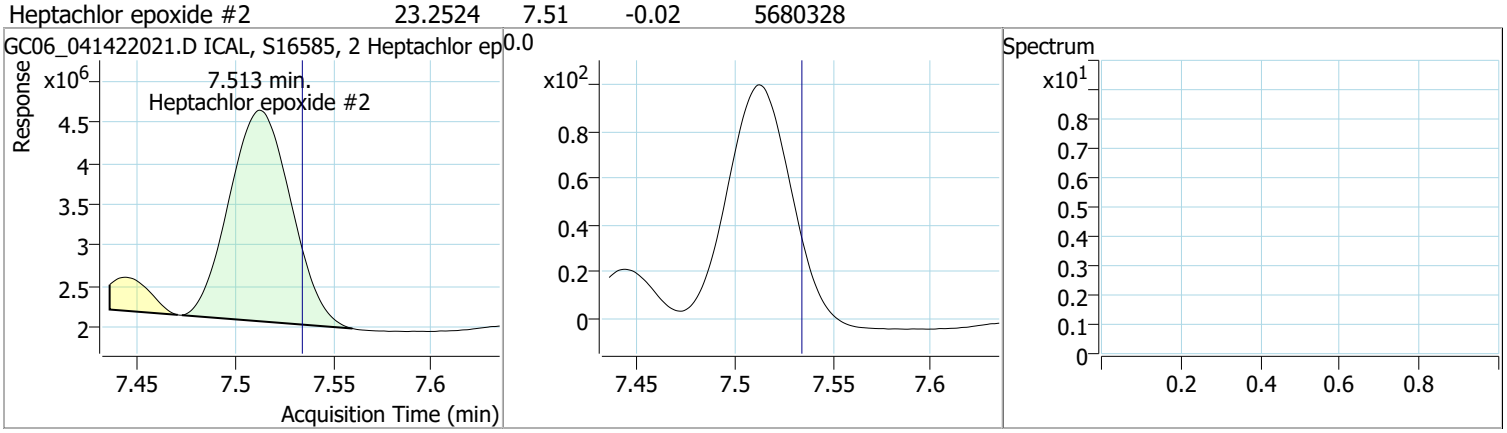
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	20.4087	6.66	-0.06	4639458			



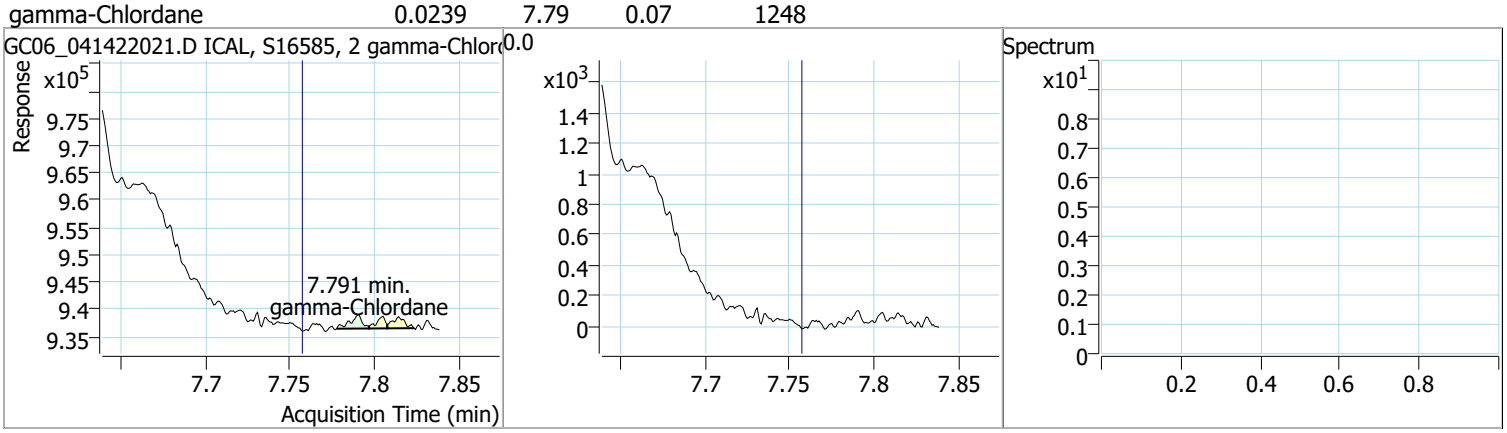
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	27.1006	7.60	0.07	1939346			



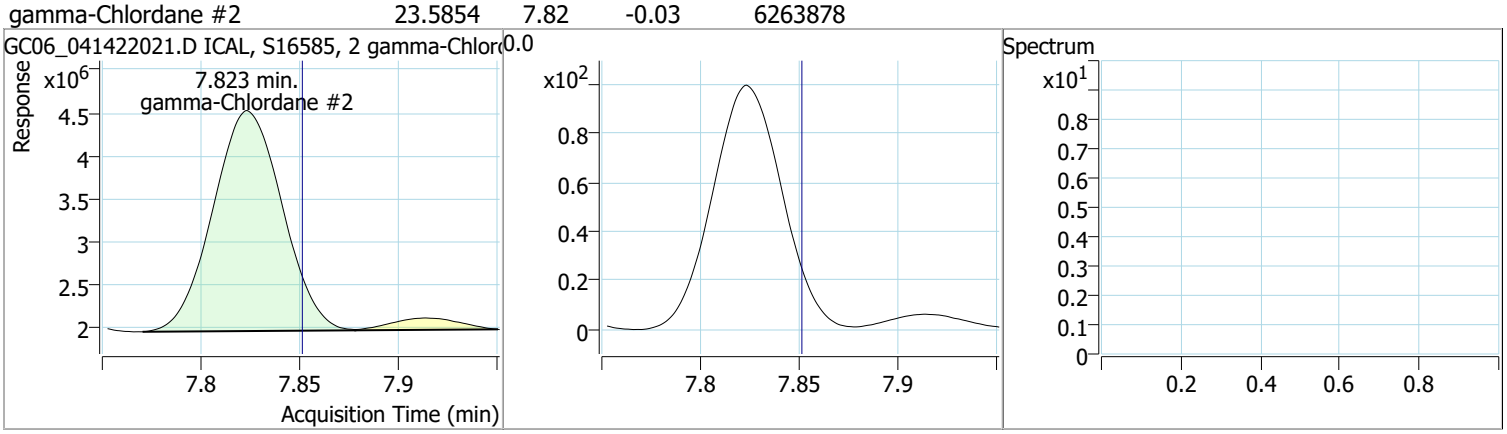
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	23.2524	7.51	-0.02	5680328			



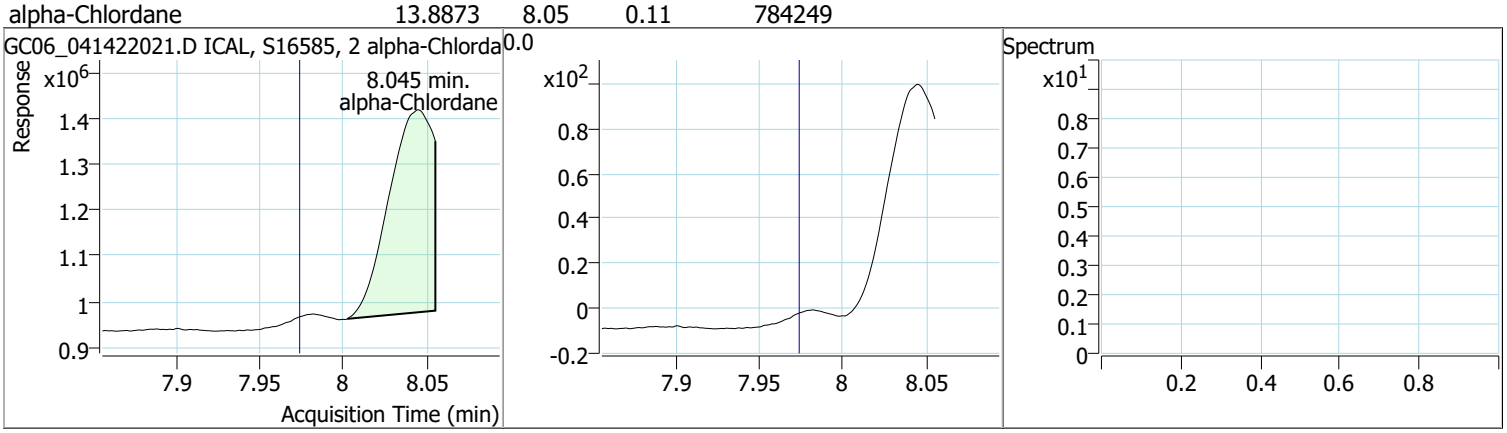
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.0239	7.79	0.07	1248			



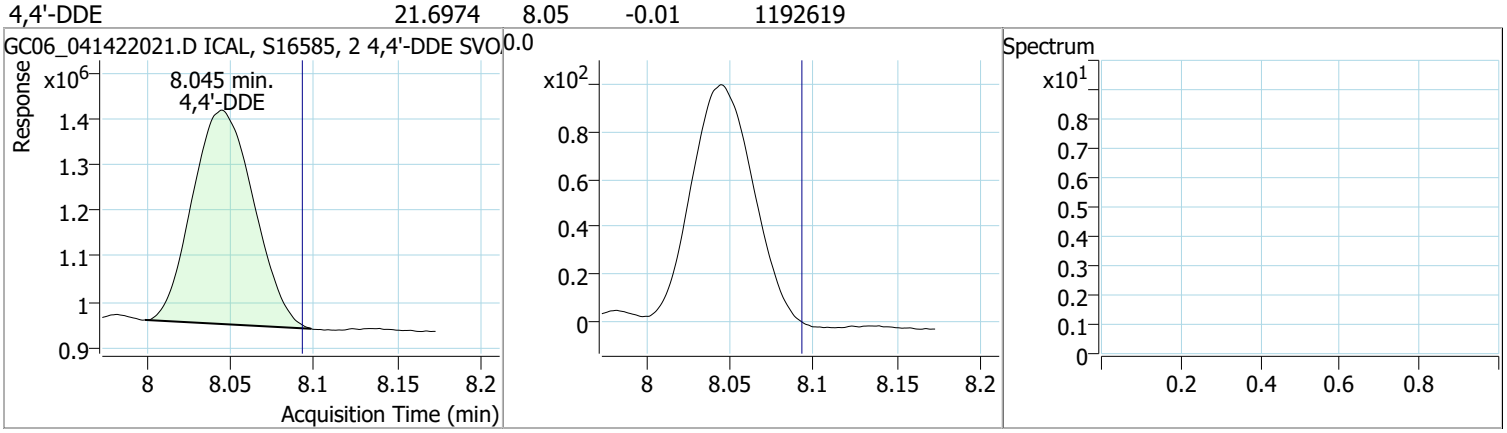
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	23.5854	7.82	-0.03	6263878			



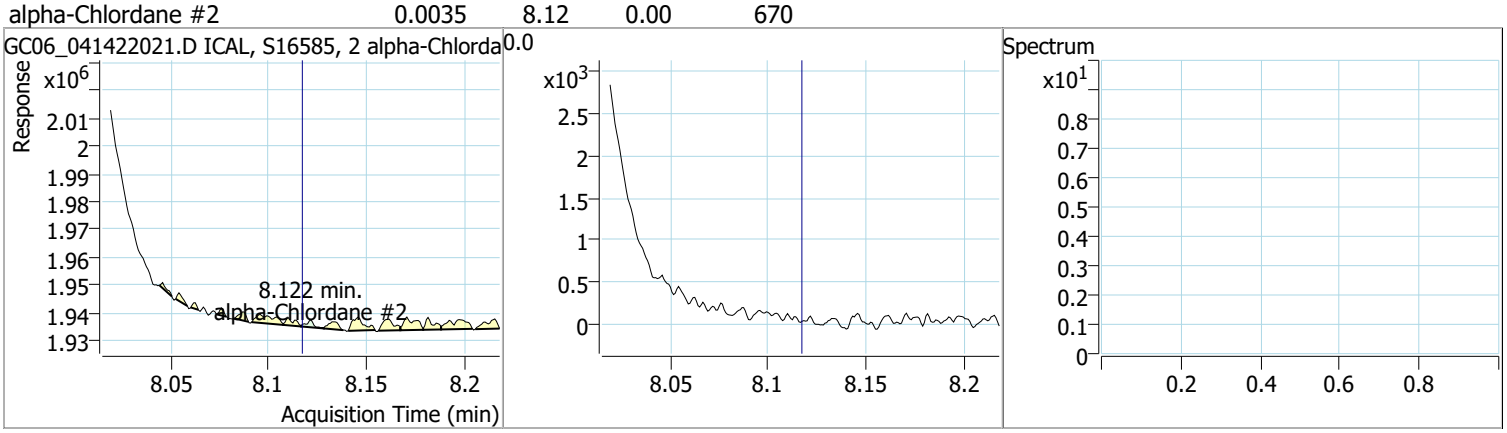
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	13.8873	8.05	0.11	784249			



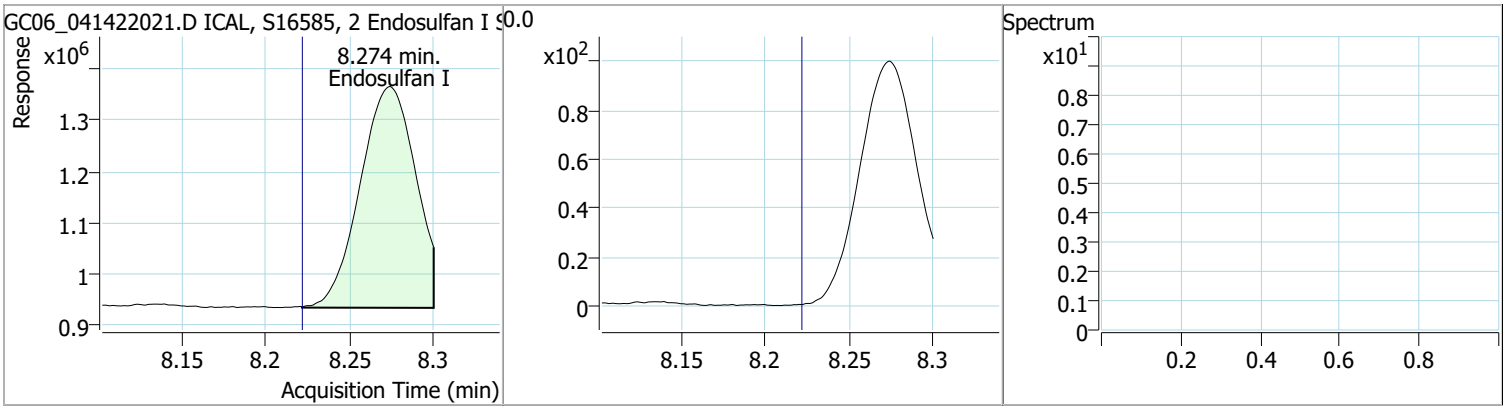
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	21.6974	8.05	-0.01	1192619			



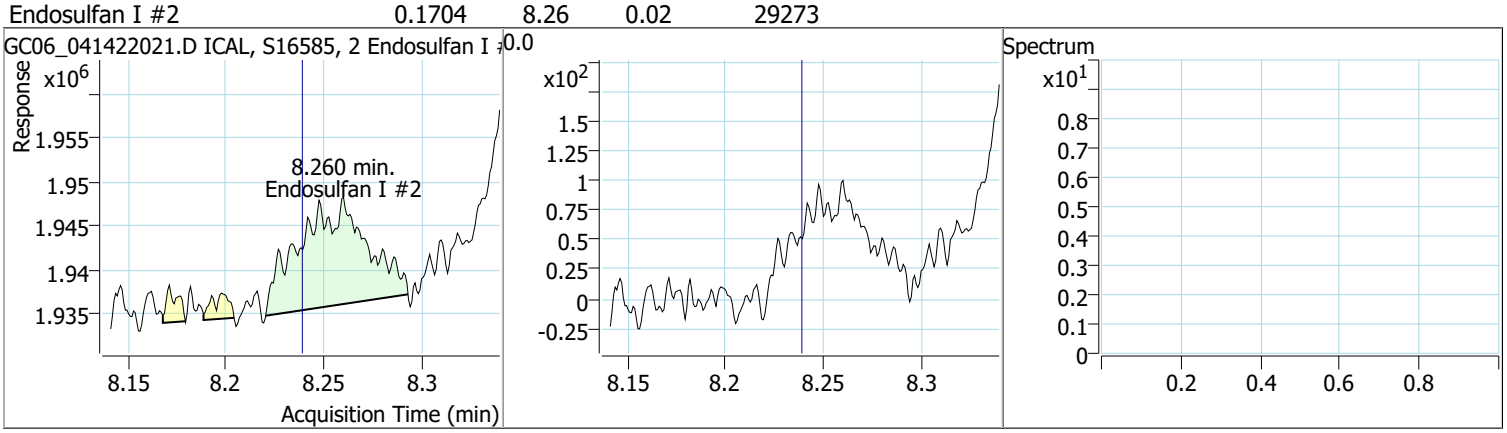
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane #2	0.0035	8.12	0.00	670			



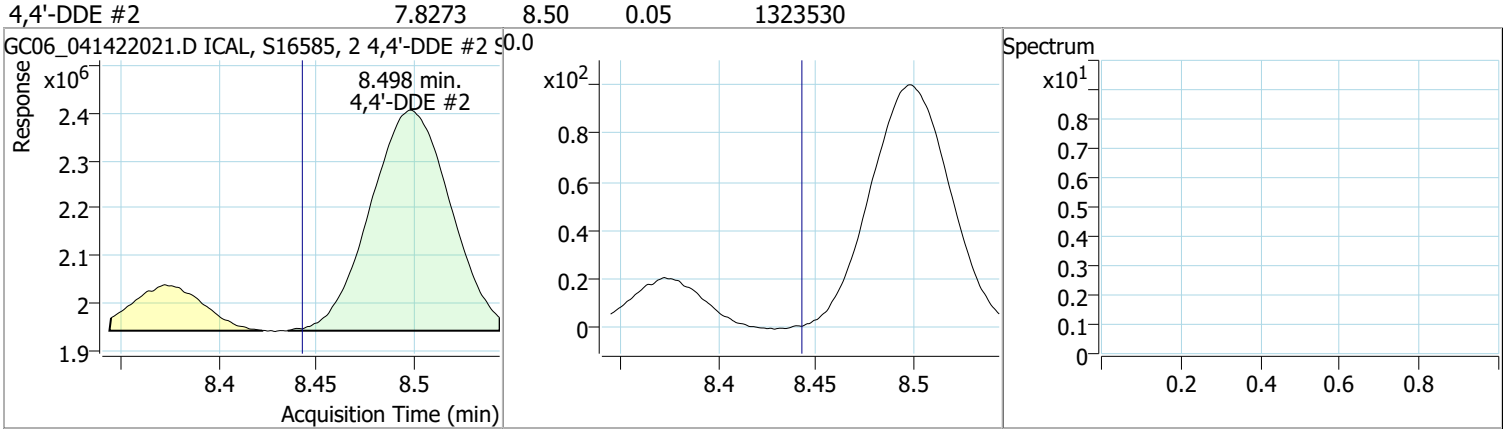
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	18.3161	8.27	0.10	987150			



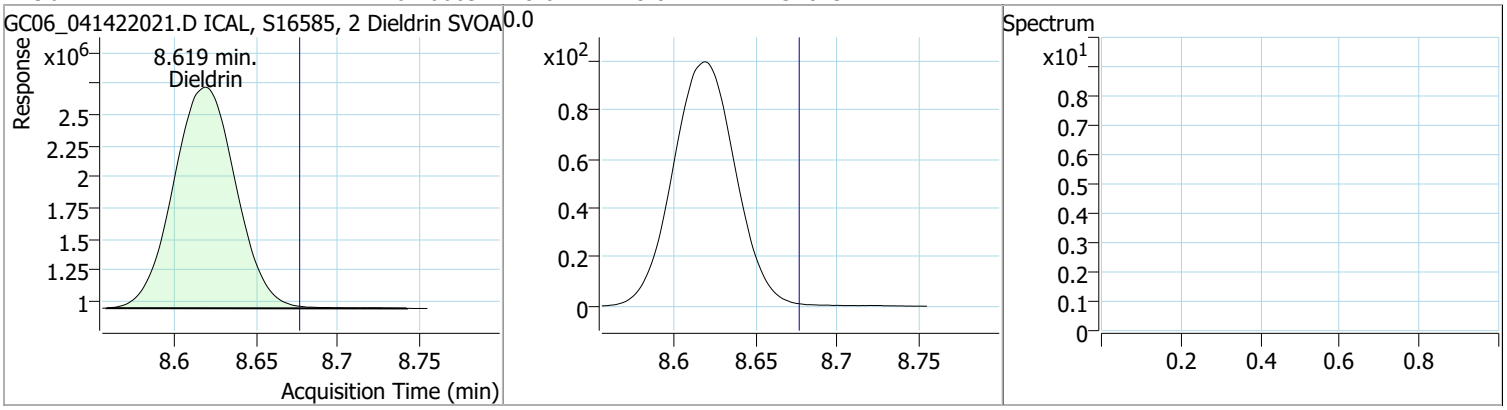
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I #2	0.1704	8.26	0.02	29273			



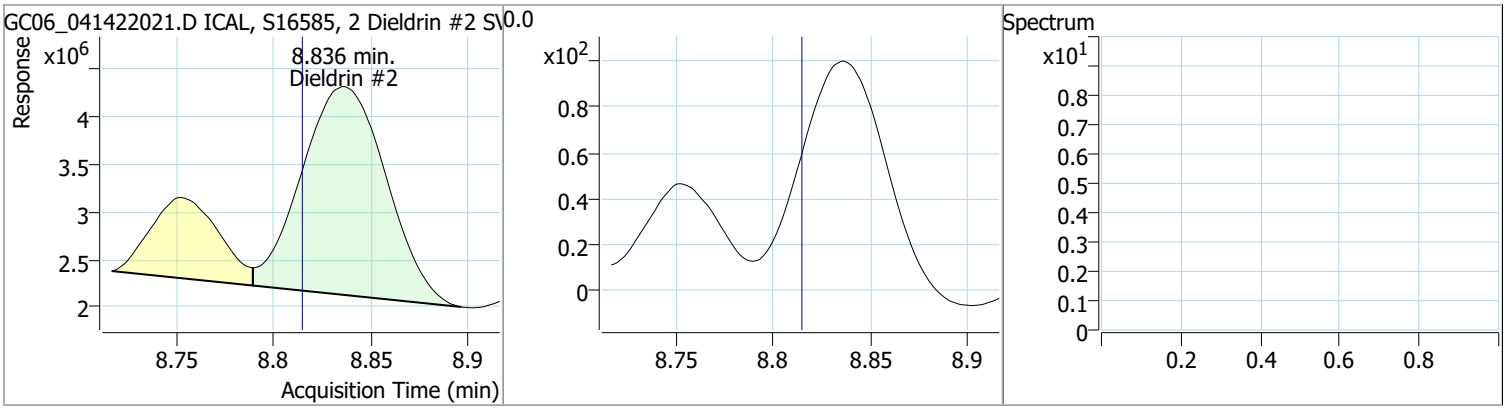
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	7.8273	8.50	0.05	1323530			



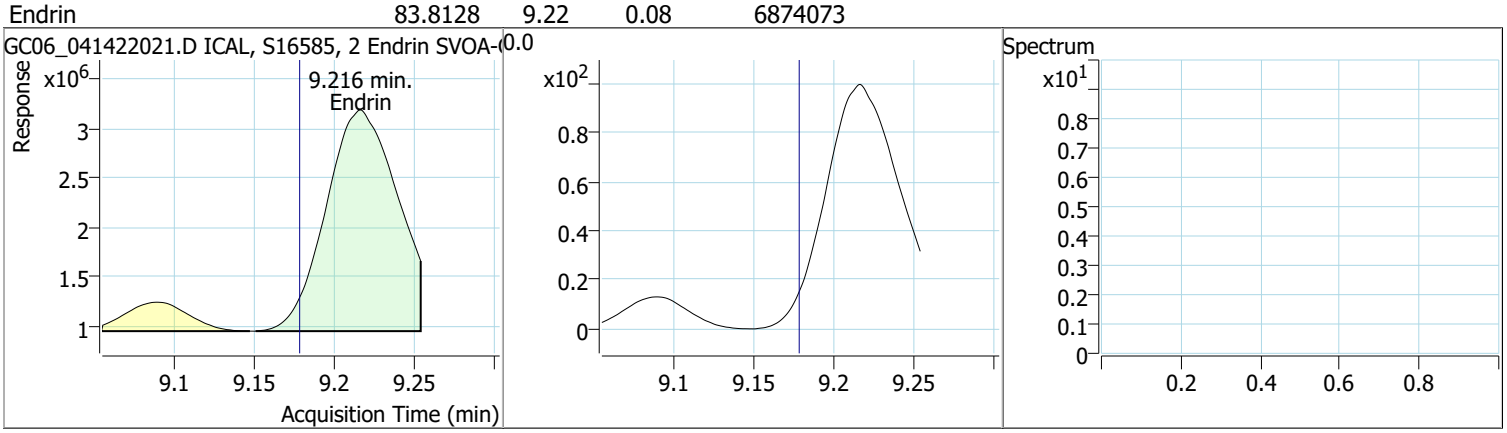
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin	62.6669	8.62	-0.01	4757019			



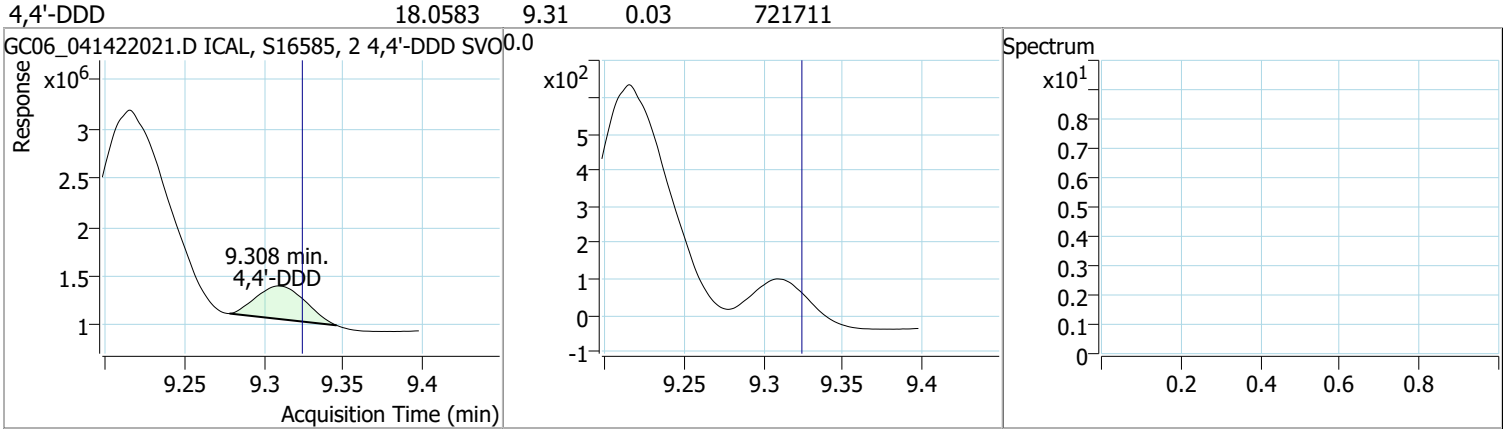
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	31.8934	8.84	0.02	6645238			



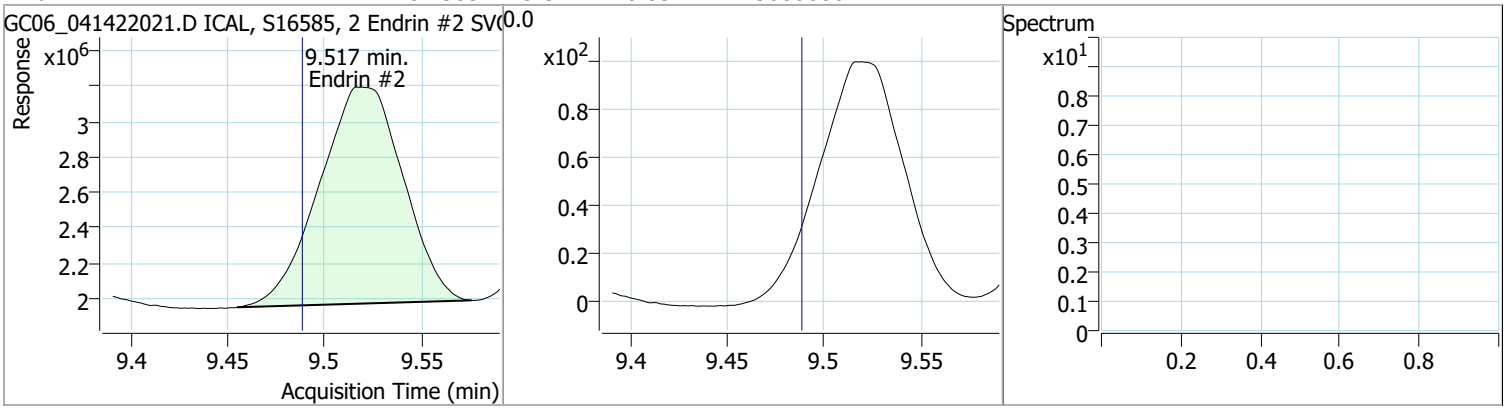
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin	83.8128	9.22	0.08	6874073			



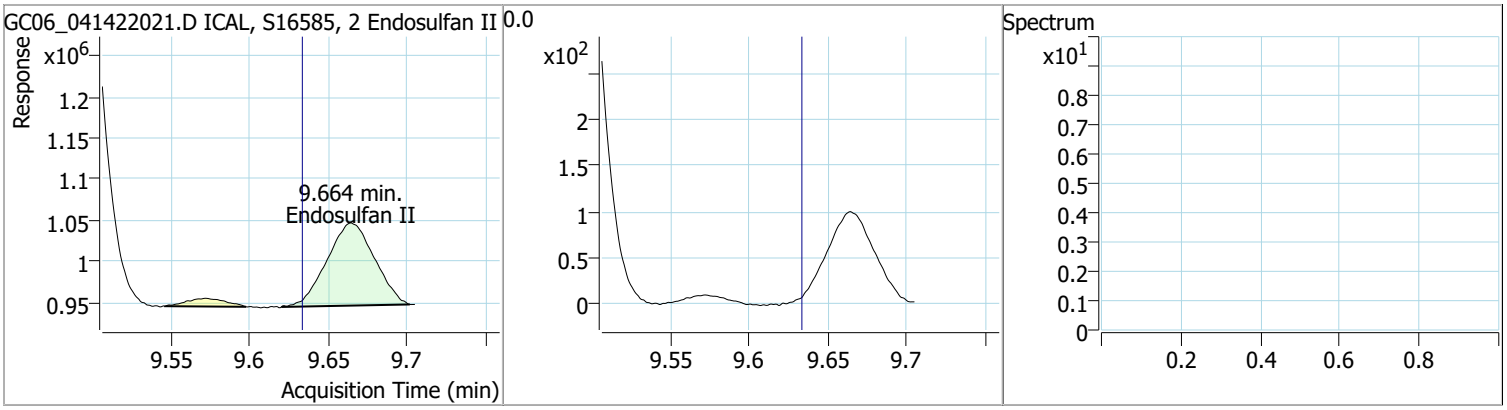
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	18.0583	9.31	0.03	721711			



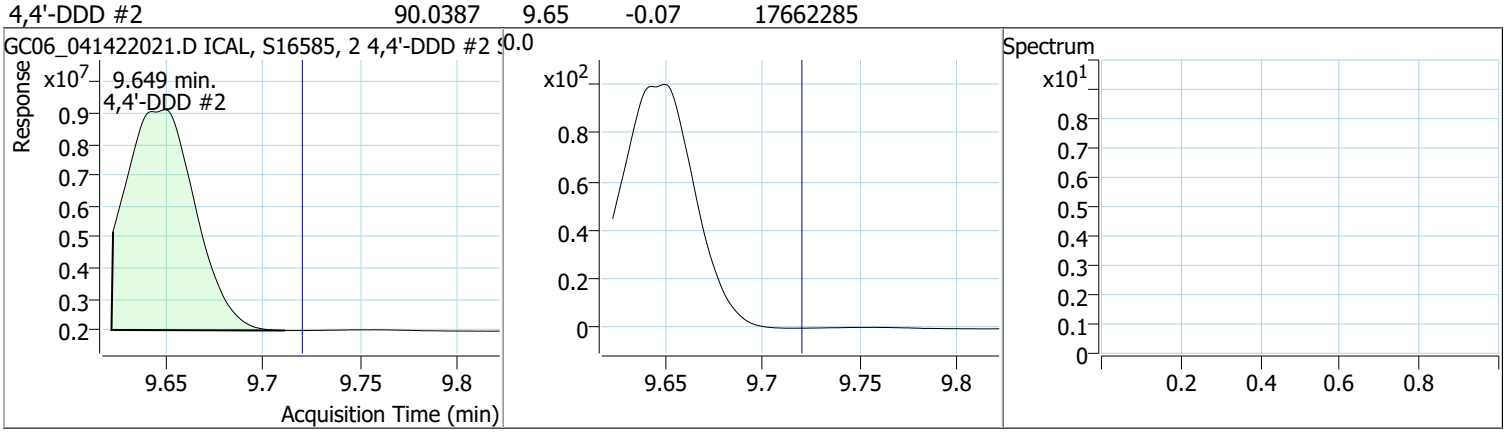
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin #2	20.1565	9.52	0.03	3668606			



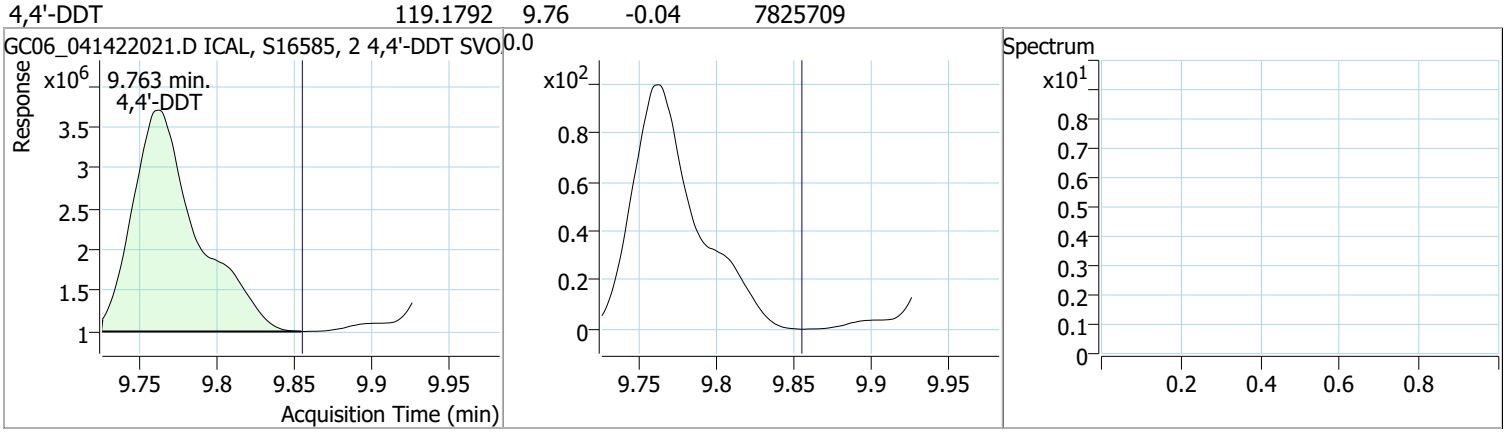
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II	4.2221	9.66	0.08	211278			



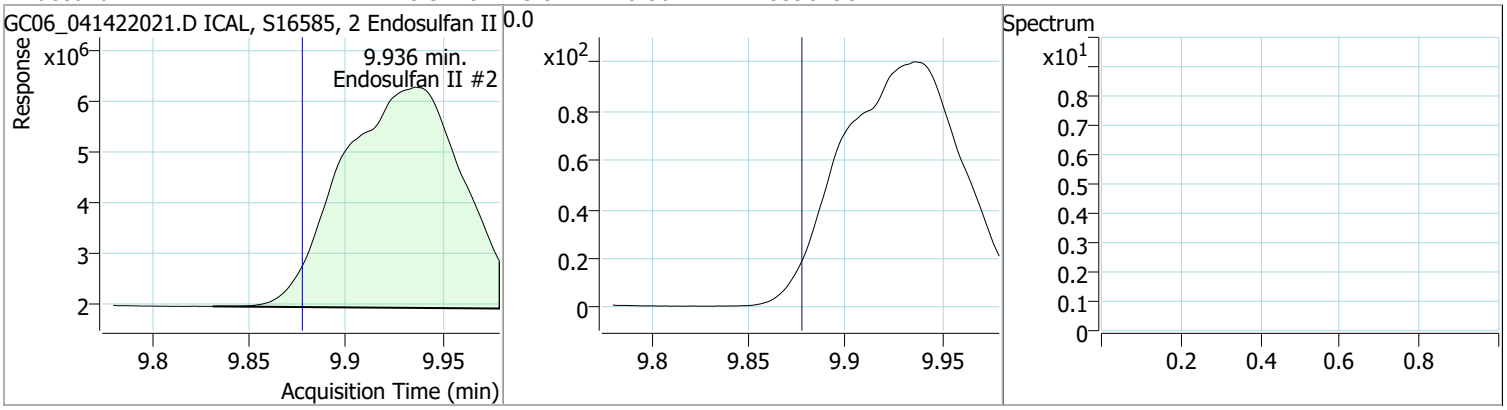
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	90.0387	9.65	-0.07	17662285			



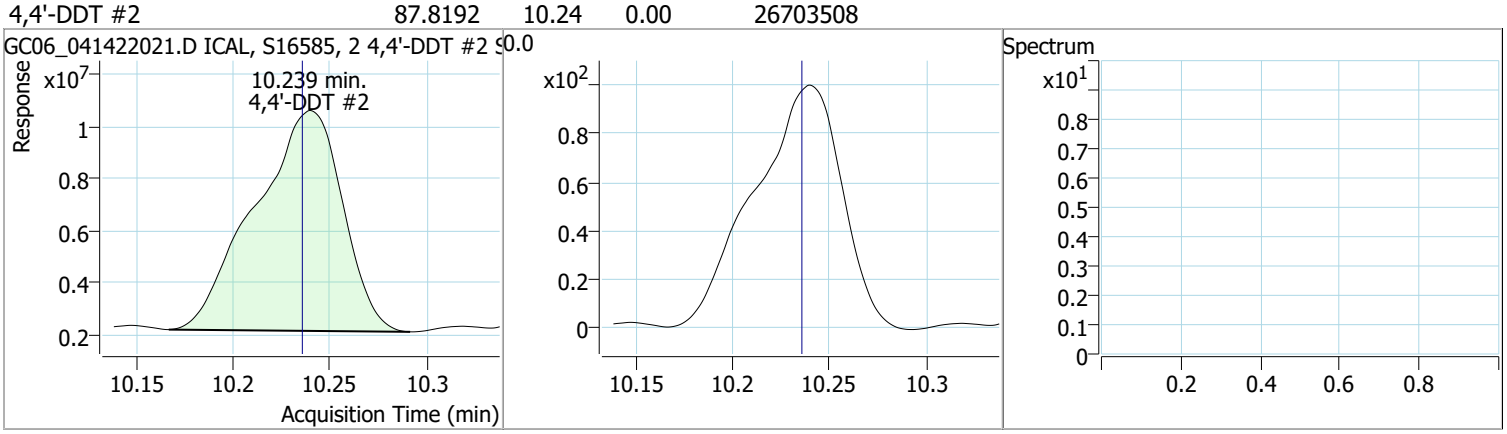
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	119.1792	9.76	-0.04	7825709			



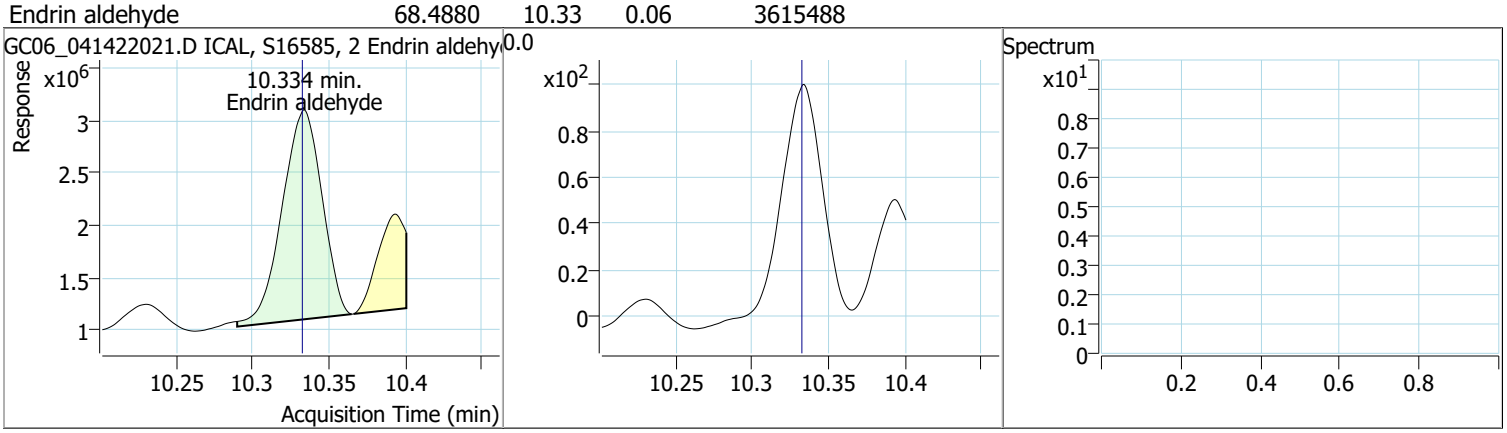
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	70.3120	9.94	0.06	18596498			



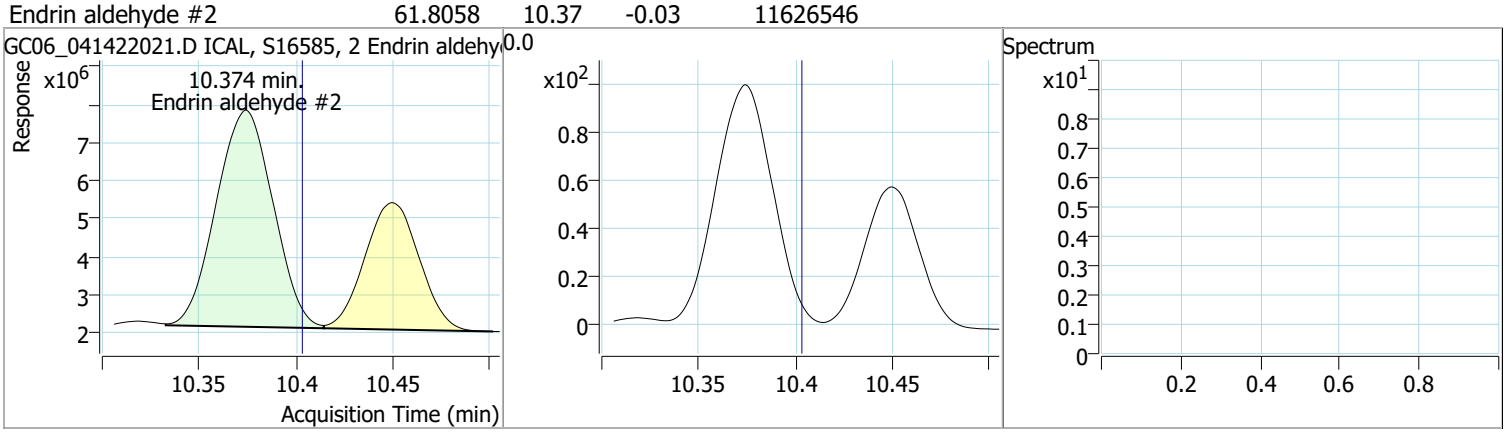
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	87.8192	10.24	0.00	26703508			



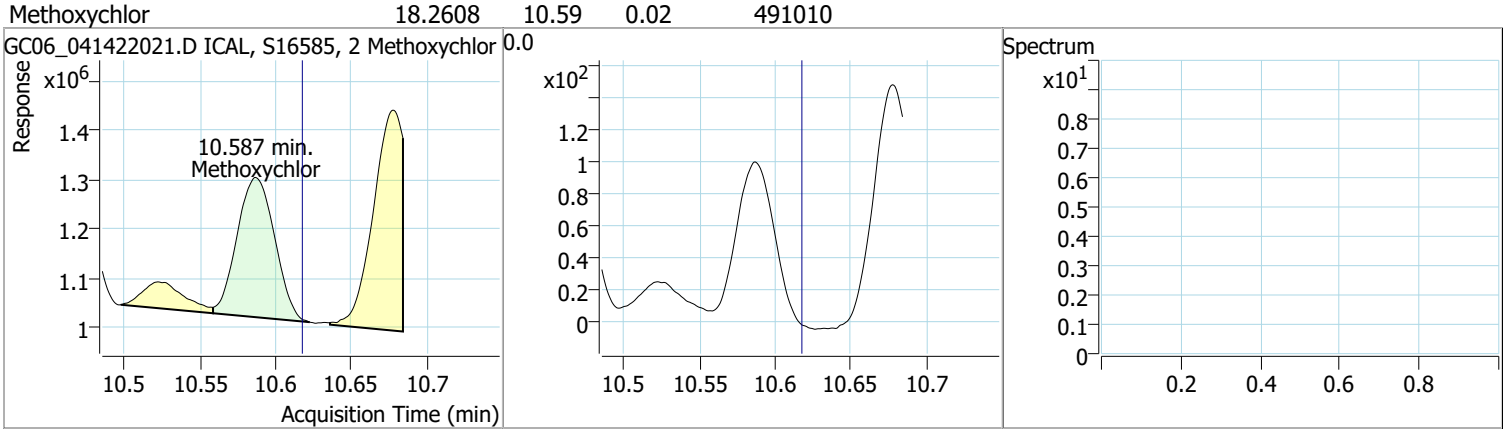
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	68.4880	10.33	0.06	3615488			



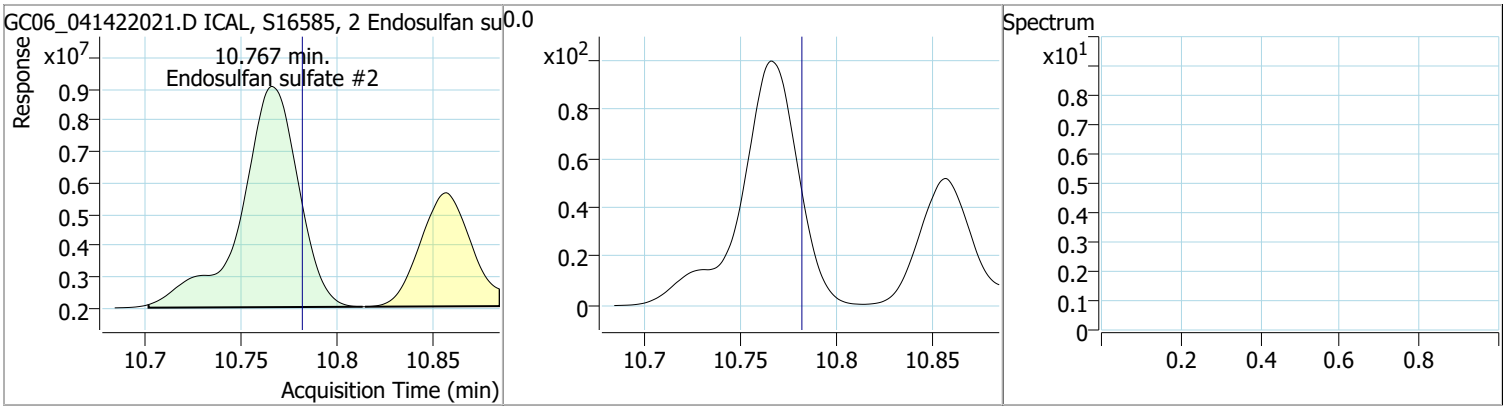
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	61.8058	10.37	-0.03	11626546			



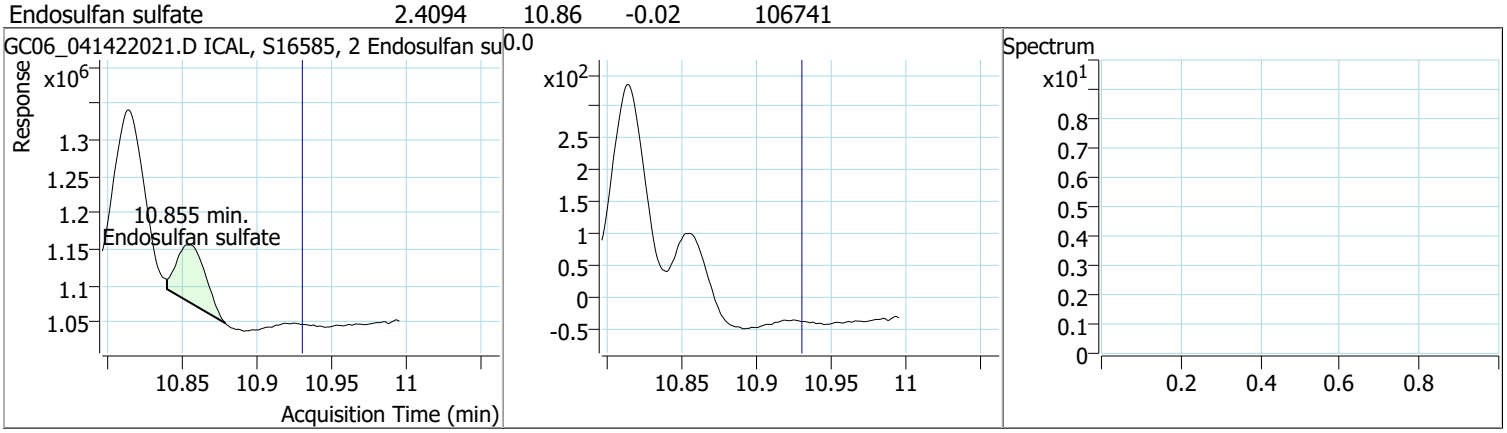
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	18.2608	10.59	0.02	491010			



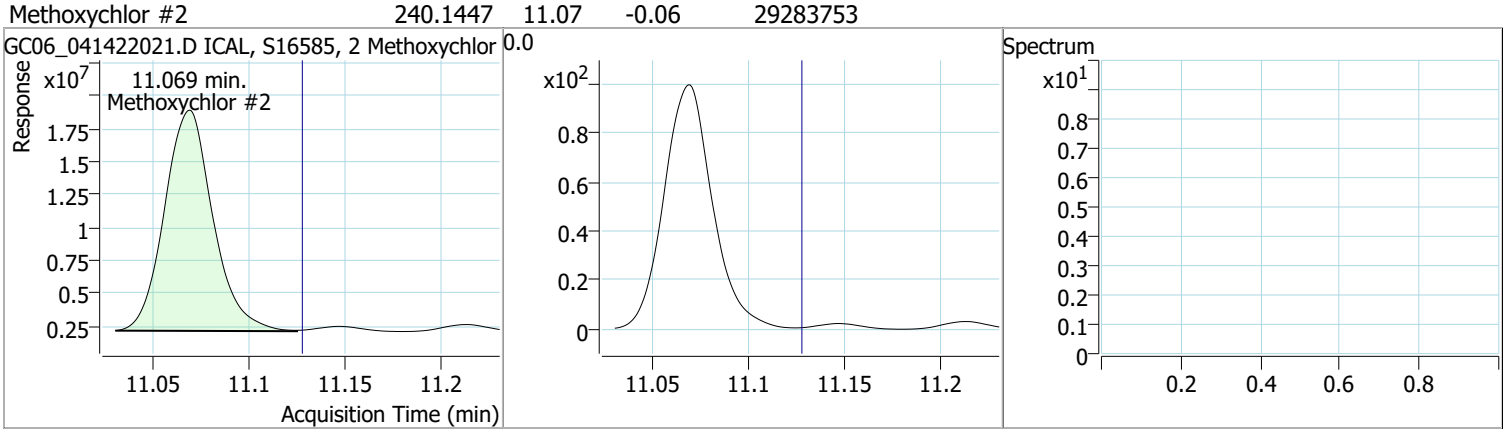
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	66.6457	10.77	-0.02	14667492			



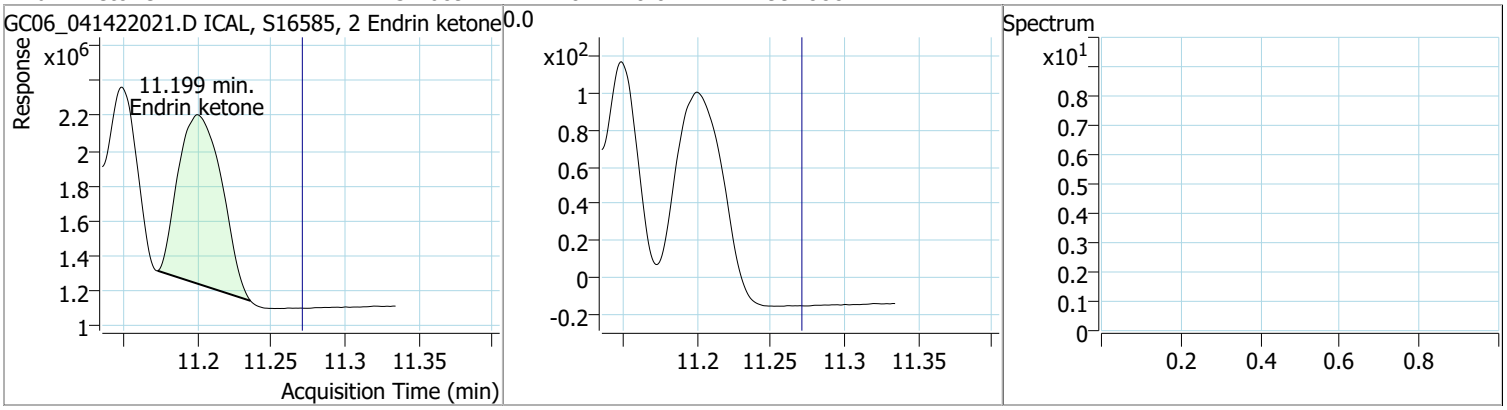
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	2.4094	10.86	-0.02	106741			



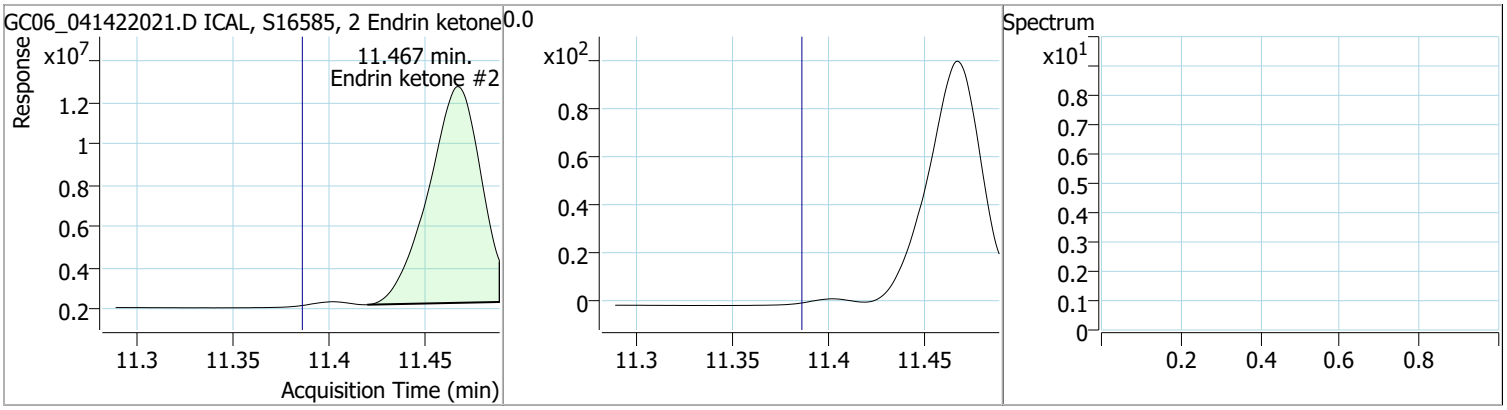
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	240.1447	11.07	-0.06	29283753			



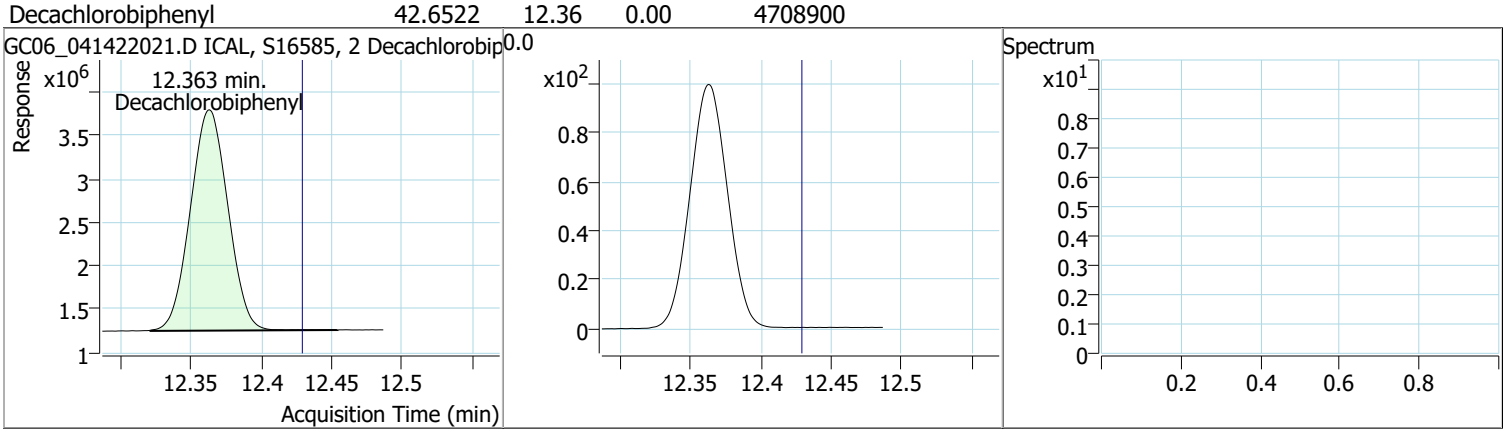
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	31.6897	11.20	-0.01	1997888			



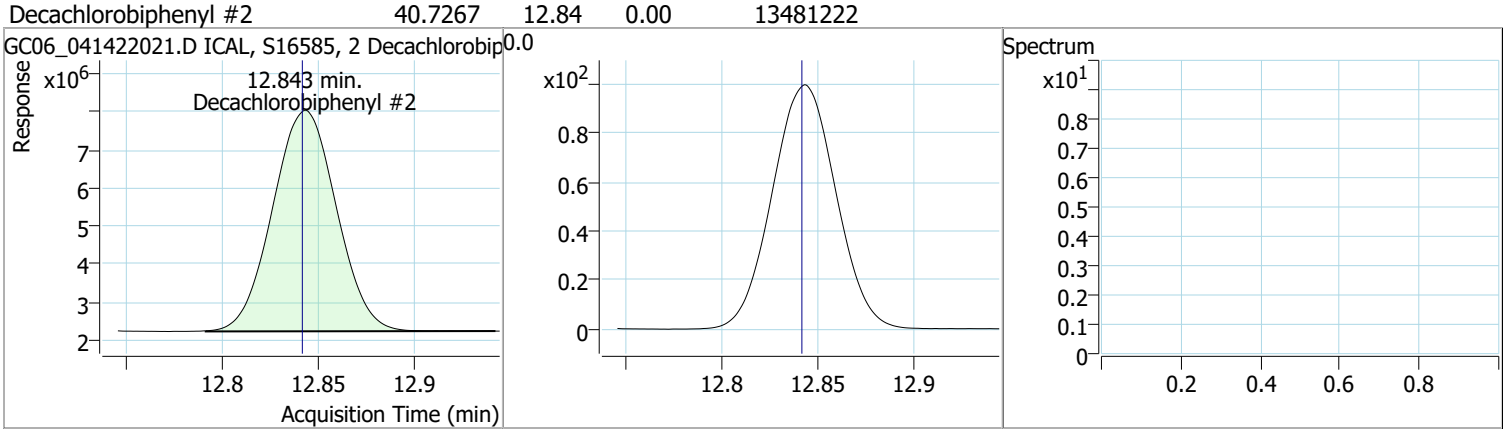
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	69.6011	11.47	0.08	19548666			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	42.6522	12.36	0.00	4708900			

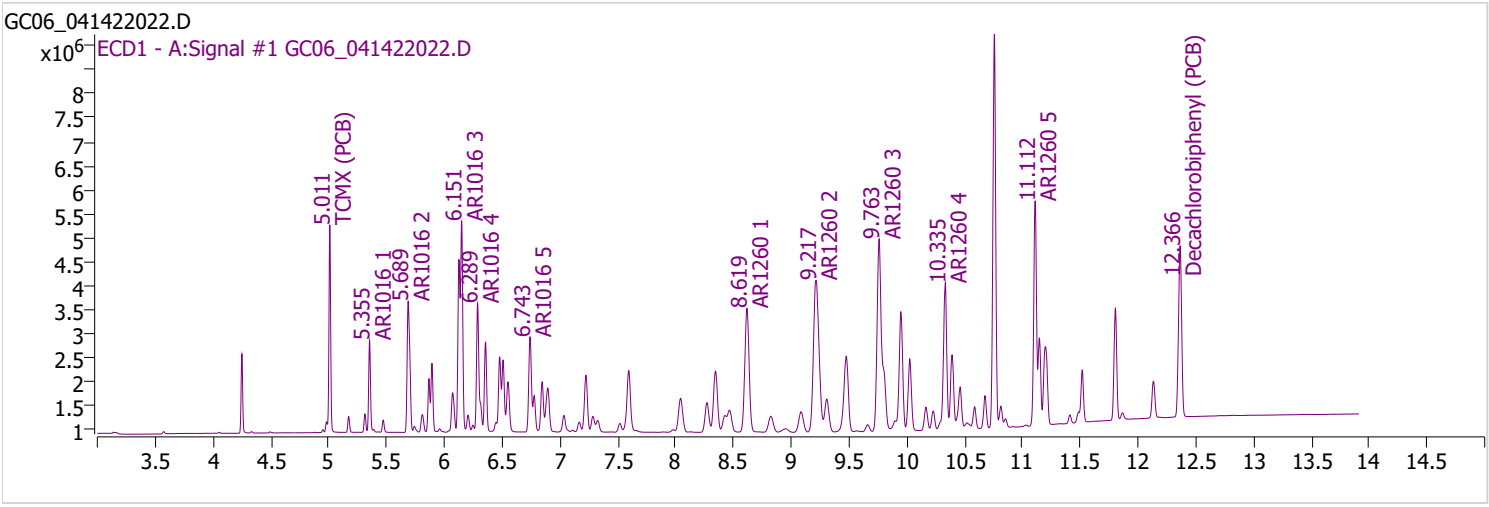


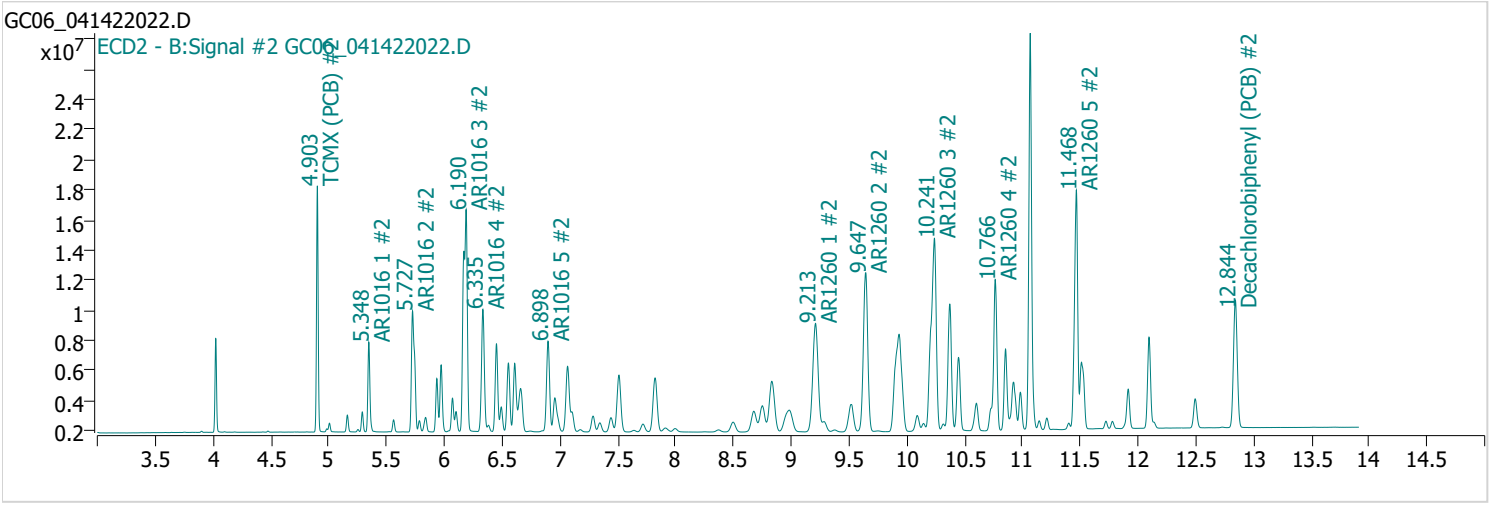
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	40.7267	12.84	0.00	13481222			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422022.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 8:44:14 PM
Sample Name	ICAL, S16585, 1.33	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 118	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



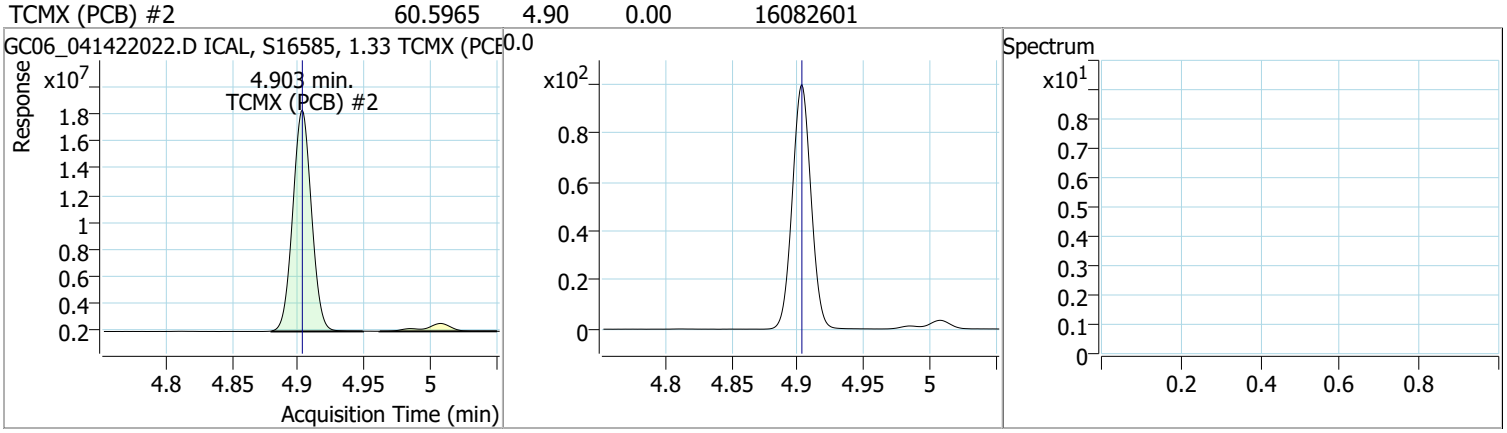


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.251	4.024	1588388	5794417	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.011	4.903	4411653	16082601	57.743	60.597	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	288.71% *	302.98% *	
S Decachlorobiphenyl (PCB)	12.366	12.844	6796418	19469690	56.275	55.684	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	281.37% *	278.42% *	
Target Compounds							
T AR1016 1	5.355	5.348	2110884	7324137	1358.597	1349.749	ng/ml
T AR1016 2	5.689	5.727	4485104	15445320	1325.765	1371.587	ng/ml
T AR1016 3	6.151	6.190	5713338	20893358 m	1434.974	1406.875	ng/ml
T AR1016 4	6.289	6.335	4168990	13935230	1399.222	1383.100	ng/ml
T AR1016 5	6.743	6.898	3182685	11121252	1380.905	1411.835	ng/ml
T AR1260 1	8.619	9.213	6739852	23514478 m	1348.317	1340.824	ng/ml
T AR1260 2	9.217	9.647	10593988	27829642	1375.988	1373.364	ng/ml
T AR1260 3	9.763	10.241	11760001	39056610	1469.299	1418.652	ng/ml
T AR1260 4	10.335	10.766	5647323	21346241	1418.728	1432.885	ng/ml

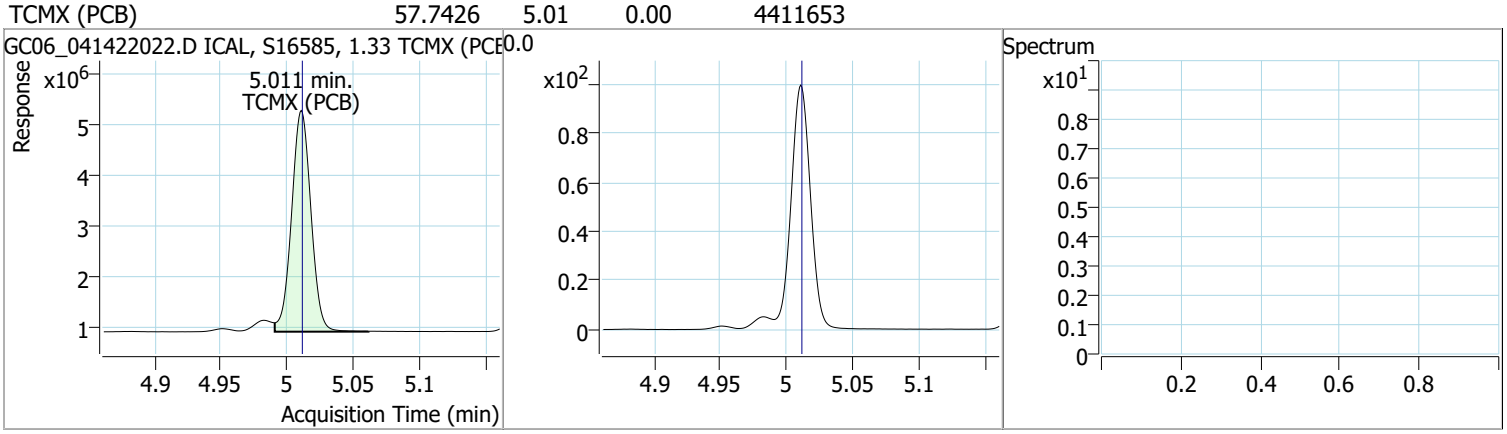
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.112	11.468	7811997	31074860	1482.806	1414.828	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

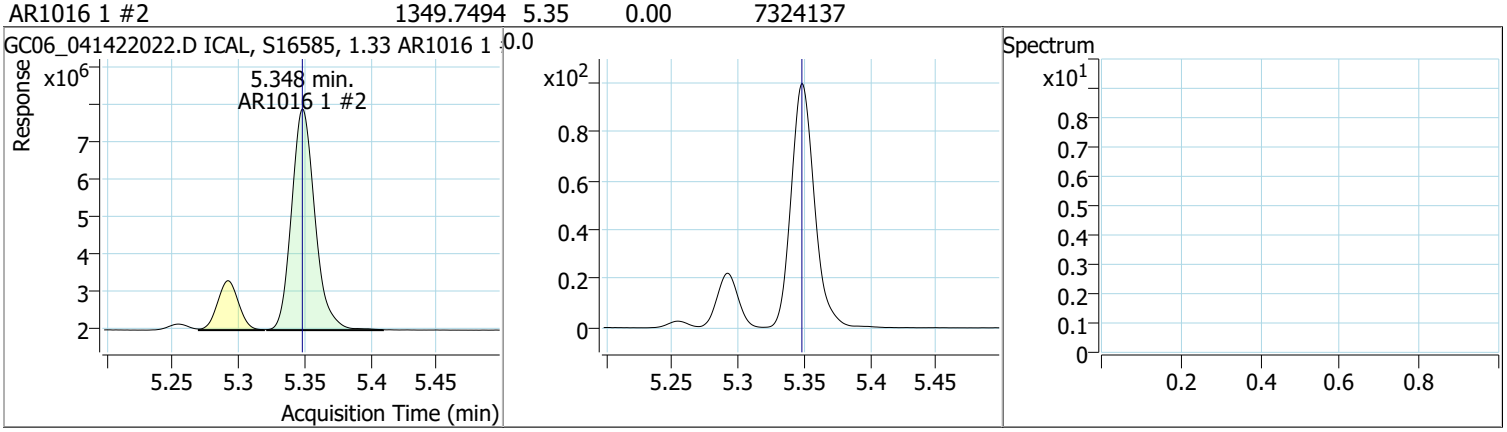
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	60.5965	4.90	0.00	16082601			



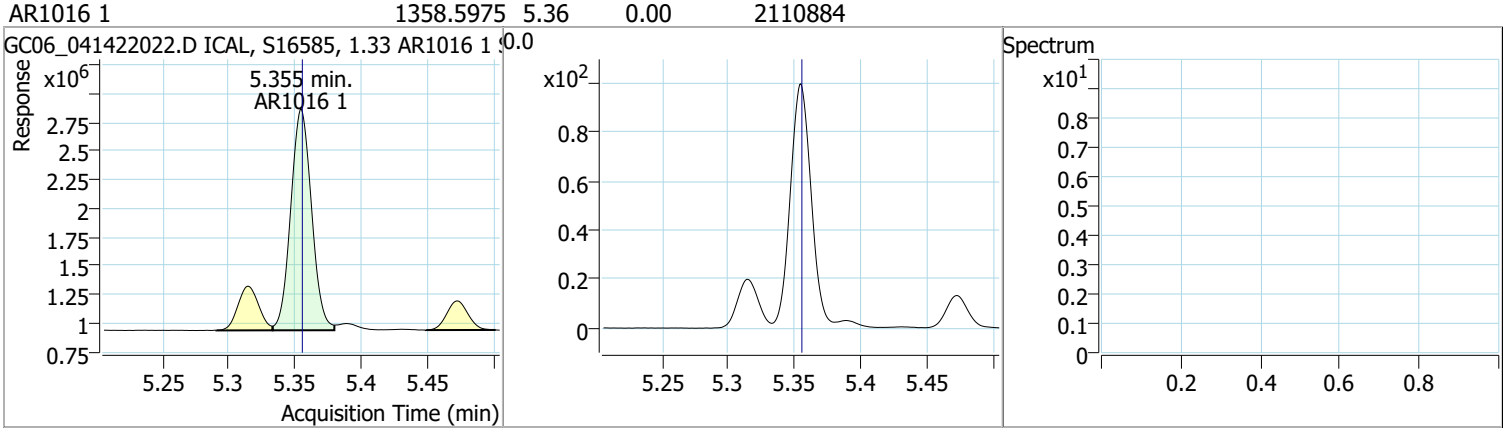
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	57.7426	5.01	0.00	4411653			



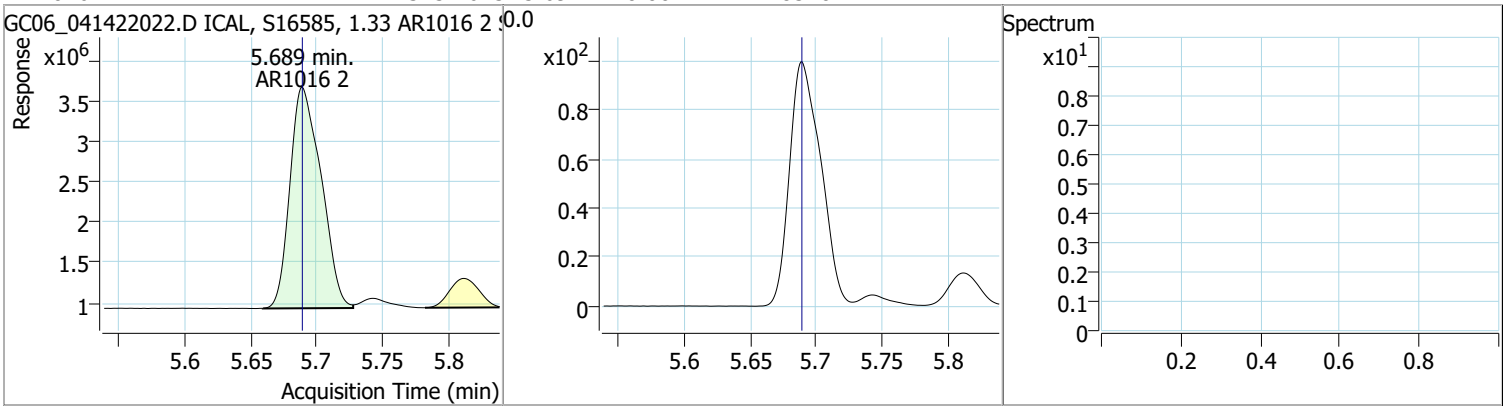
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	1349.7494	5.35	0.00	7324137			



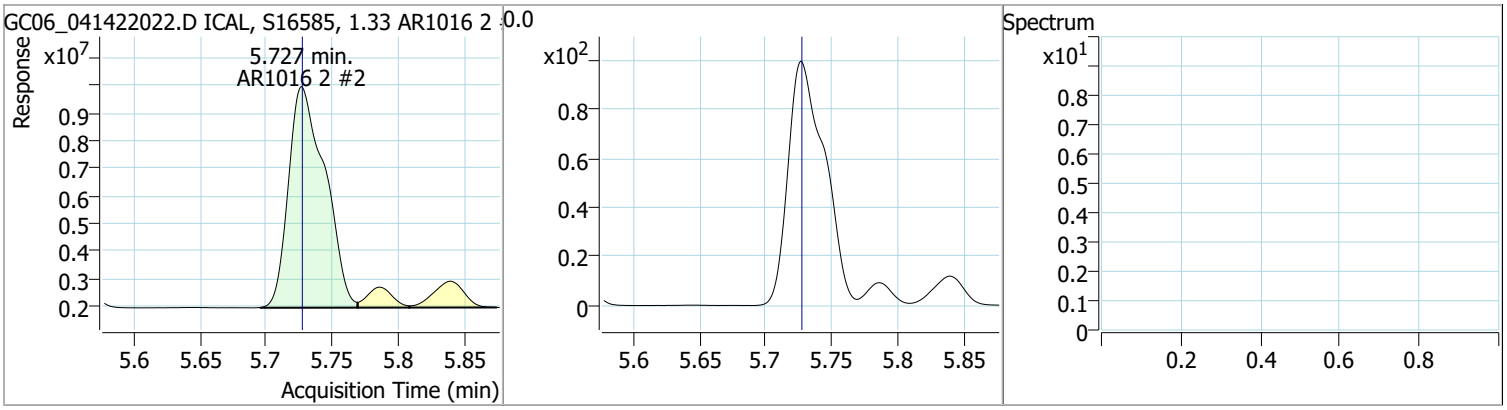
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	1358.5975	5.36	0.00	2110884			



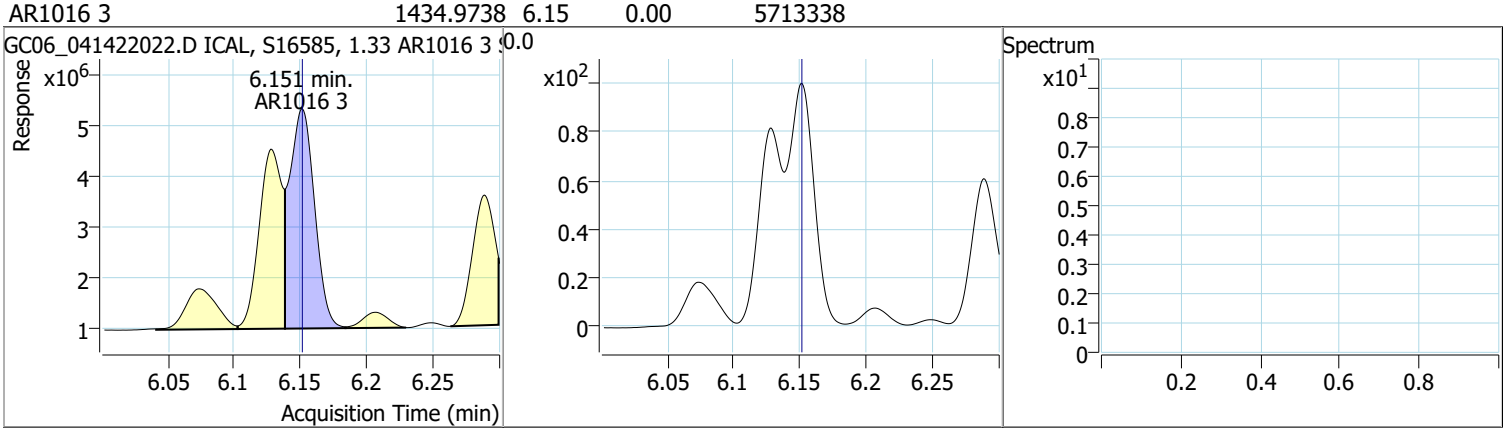
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	1325.7645	5.69	0.00	4485104			



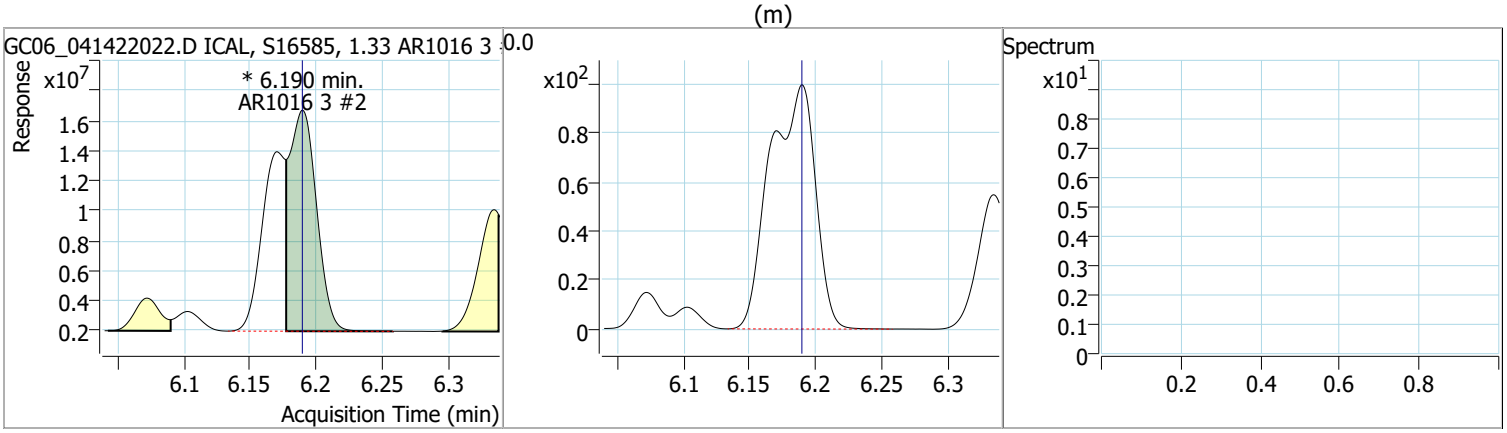
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	1371.5868	5.73	0.00	15445320			



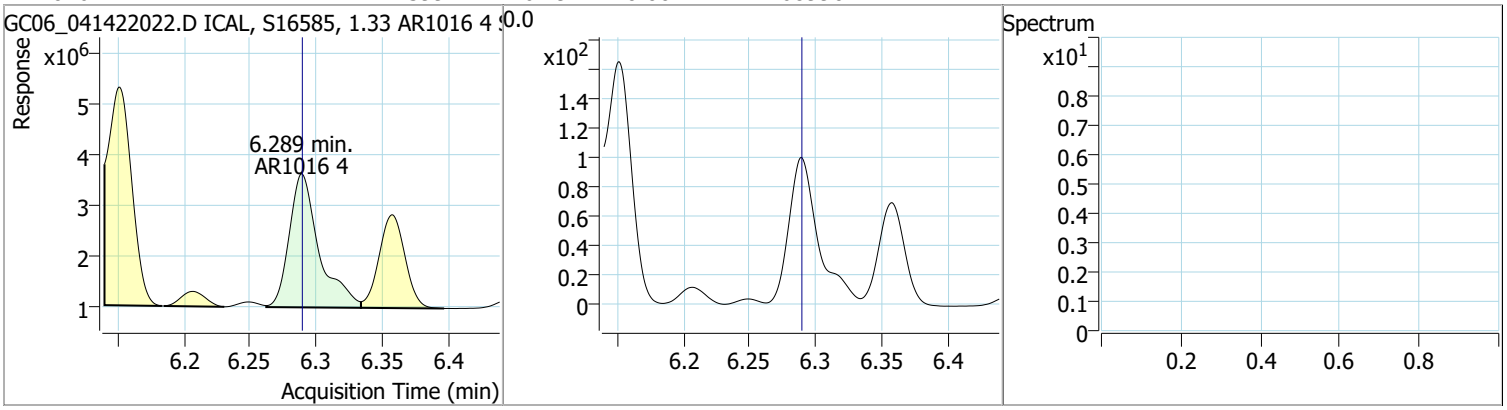
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	1434.9738	6.15	0.00	5713338			



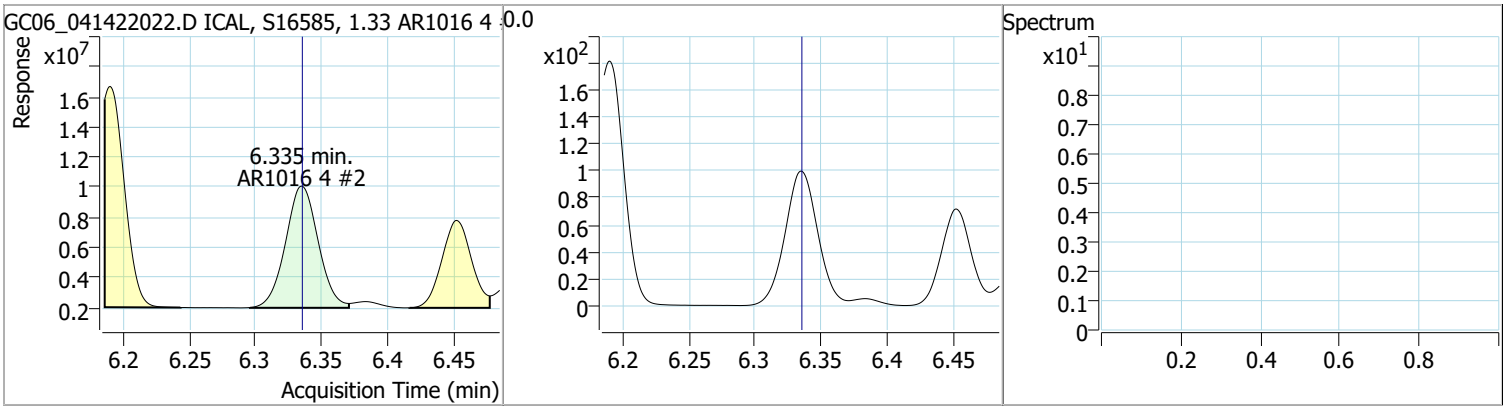
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	1406.8752	6.19	0.00	20893358 (m)			



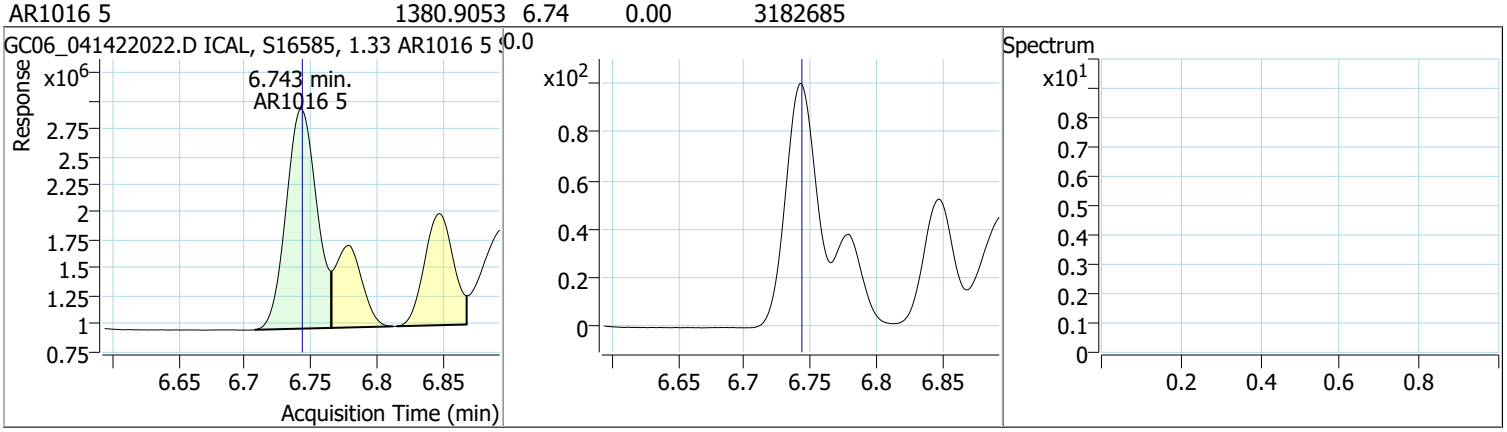
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	1399.2221	6.29	0.00	4168990			



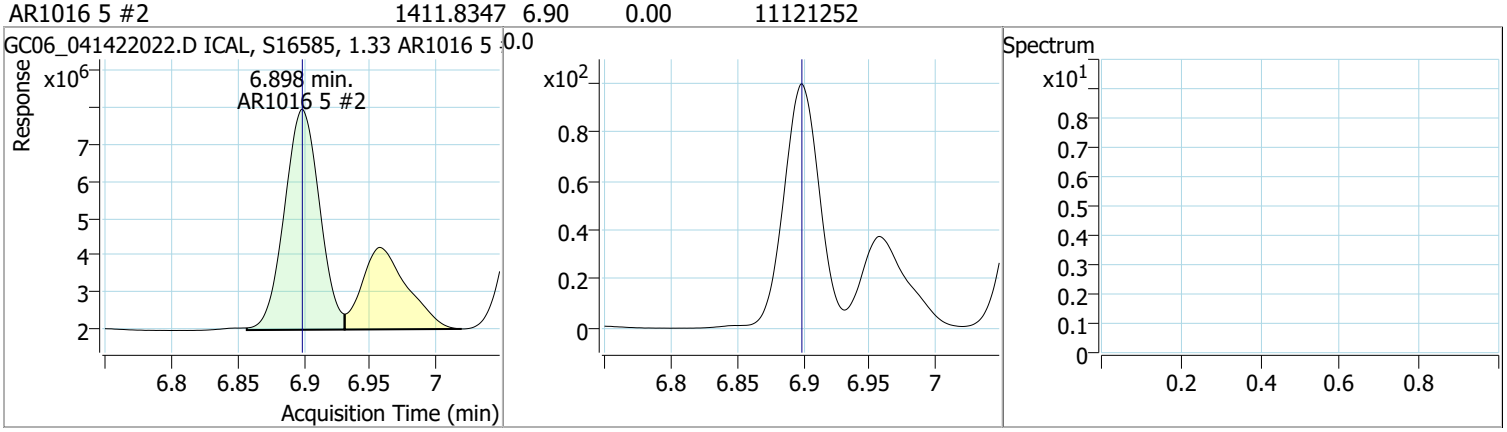
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	1383.1005	6.34	0.00	13935230			



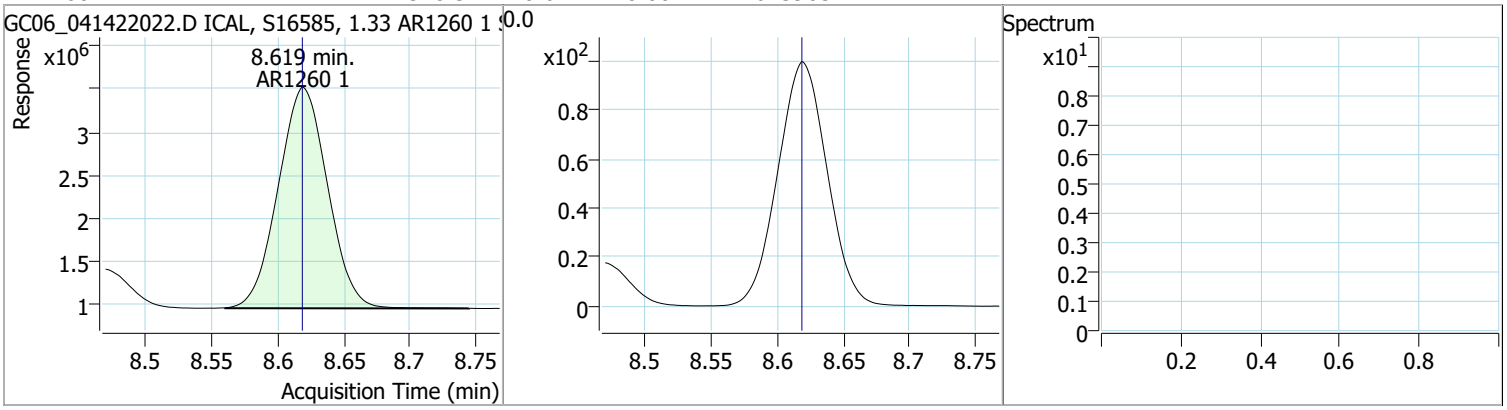
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	1380.9053	6.74	0.00	3182685			



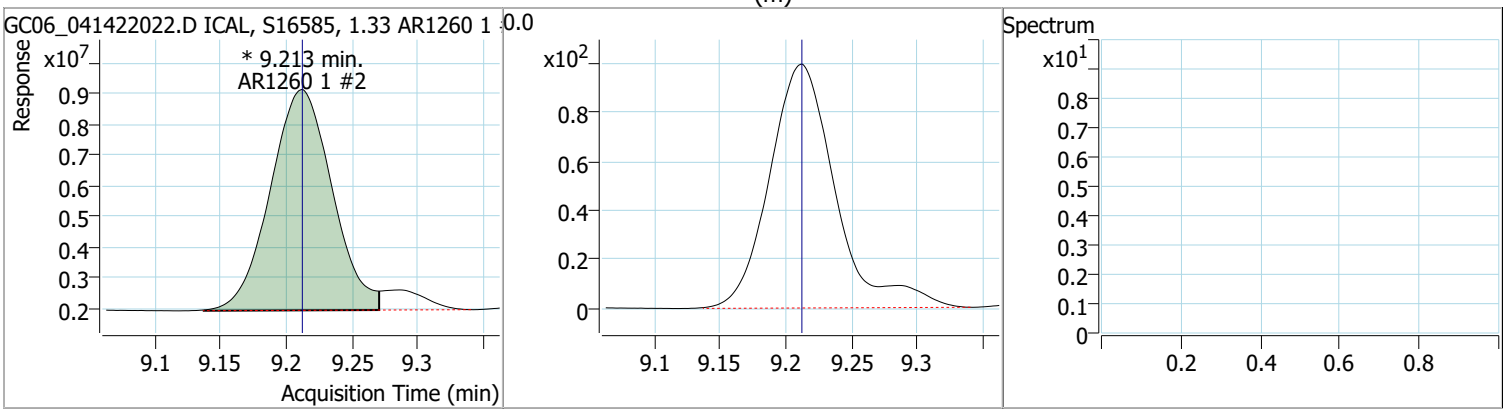
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	1411.8347	6.90	0.00	11121252			



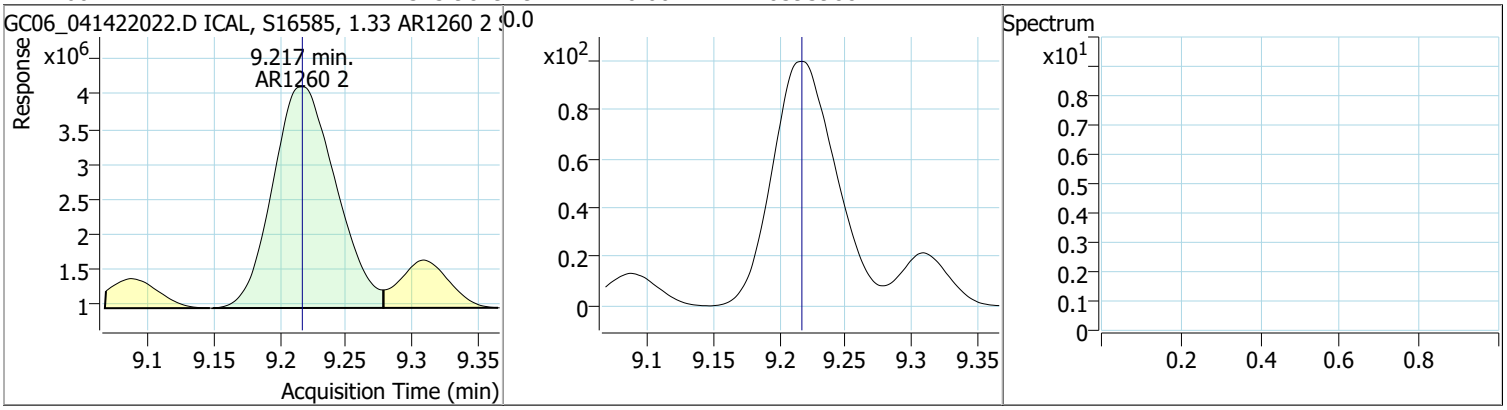
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	1348.3172	8.62	0.00	6739852			



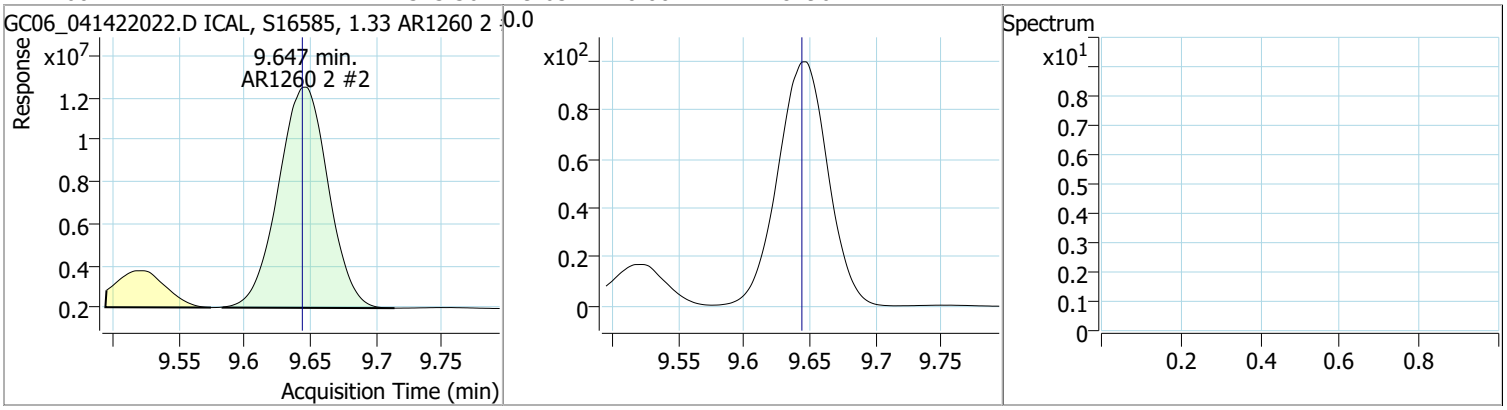
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	1340.8241	9.21	0.00	23514478 (m)			



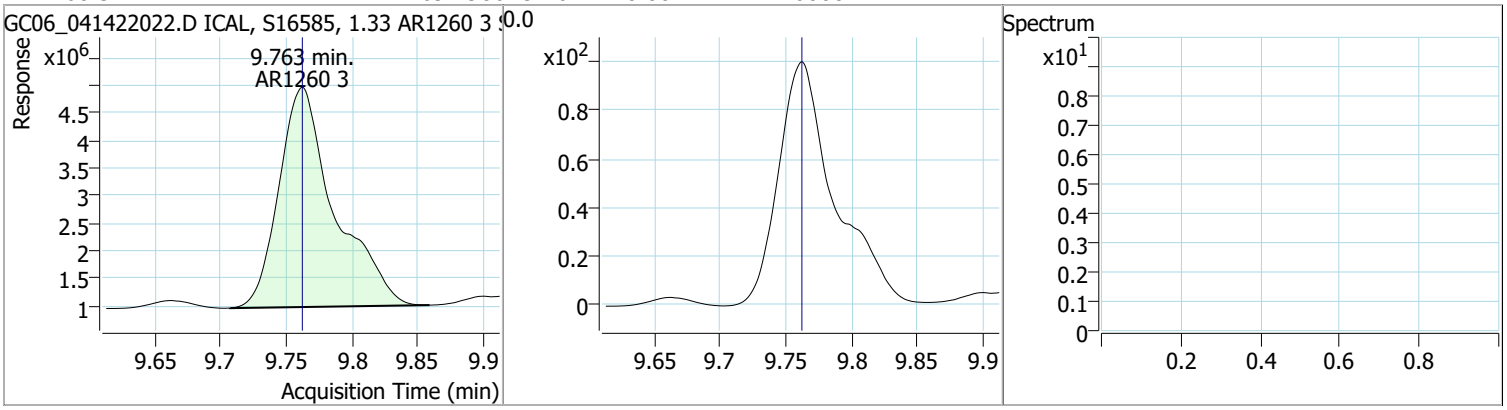
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	1375.9879	9.22	0.00	10593988			



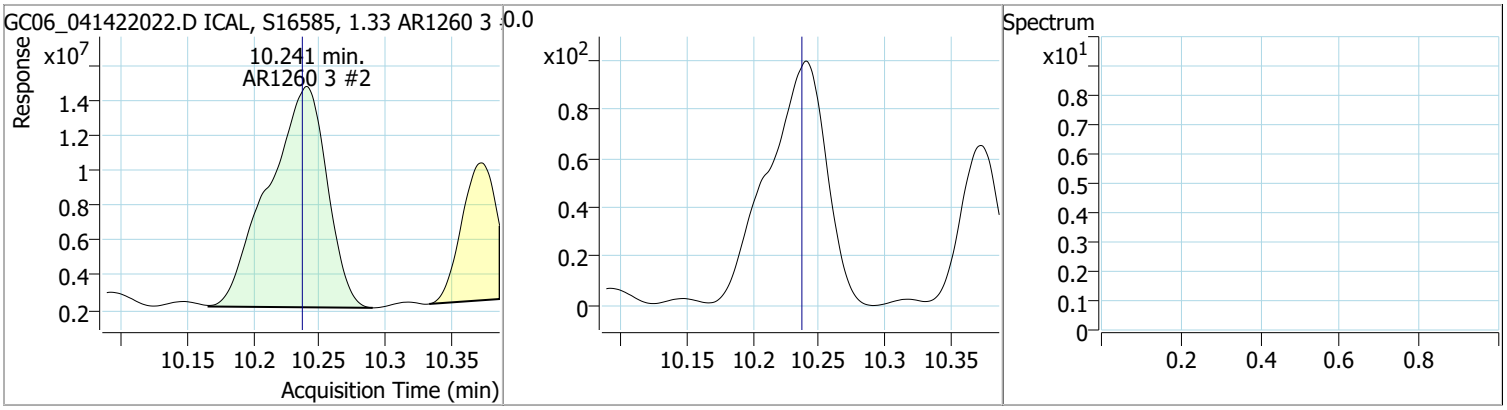
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	1373.3642	9.65	0.00	27829642			



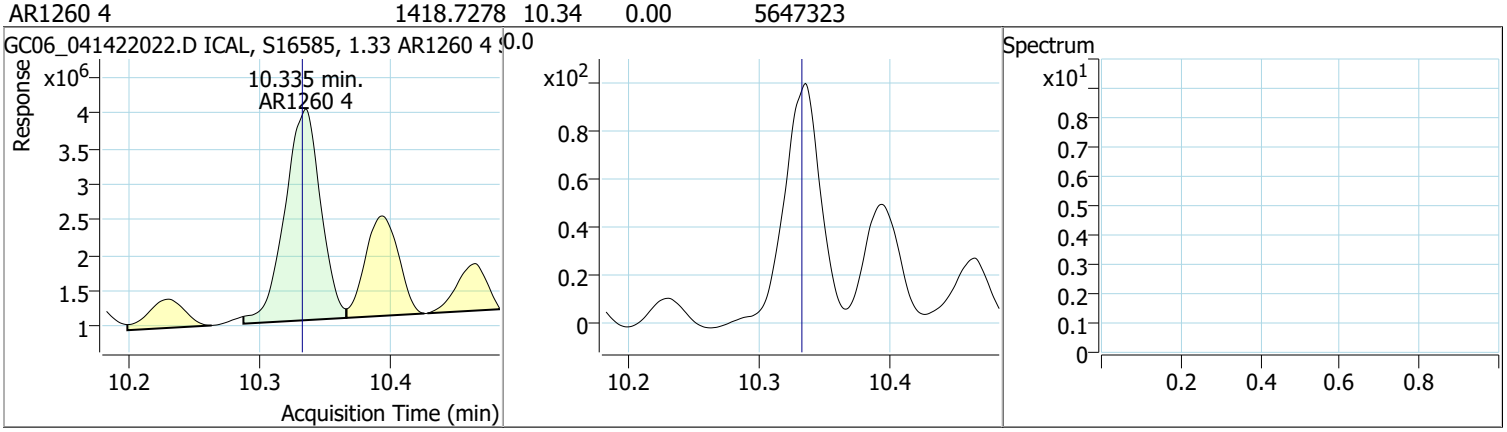
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	1469.2986	9.76	0.00	11760001			



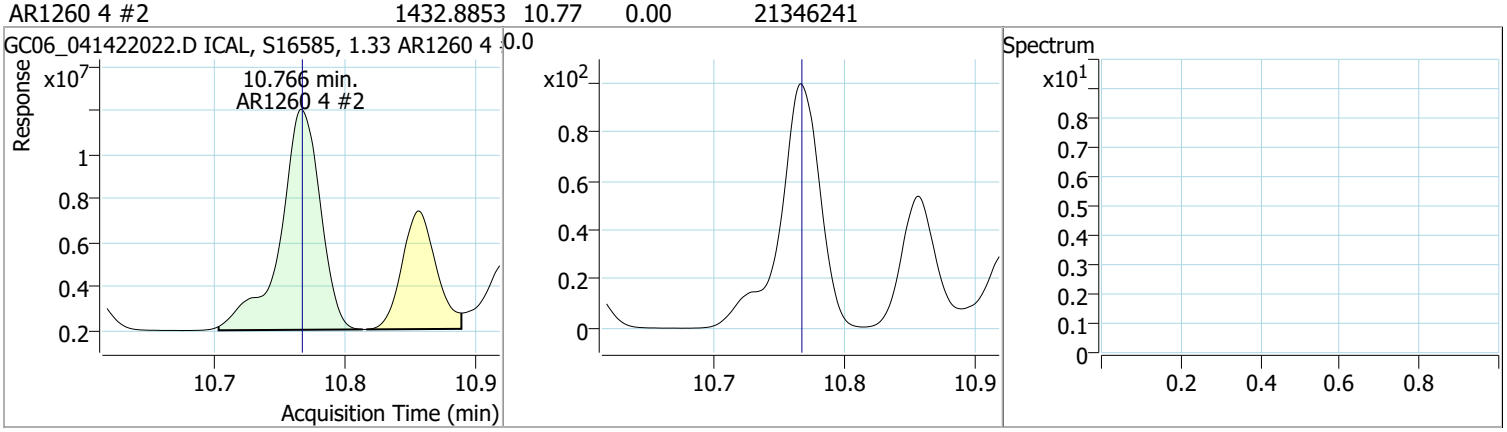
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	1418.6521	10.24	0.00	39056610			



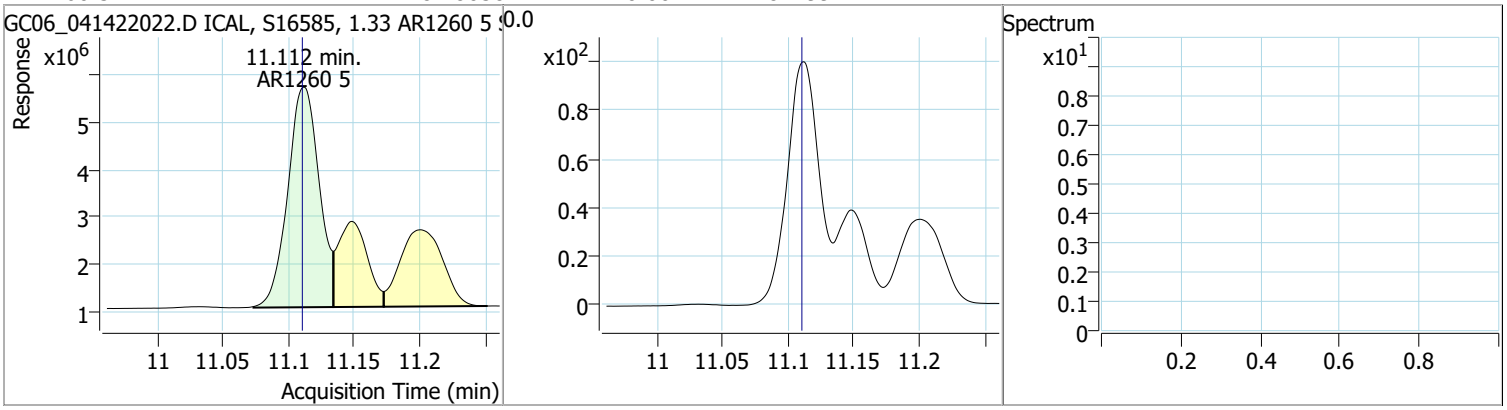
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	1418.7278	10.34	0.00	5647323			



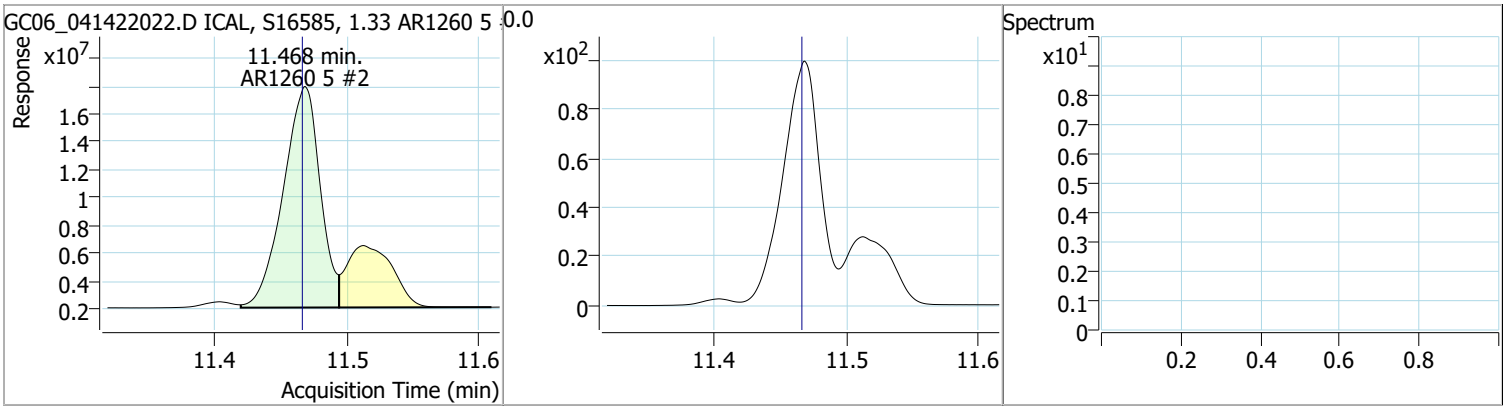
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	1432.8853	10.77	0.00	21346241			



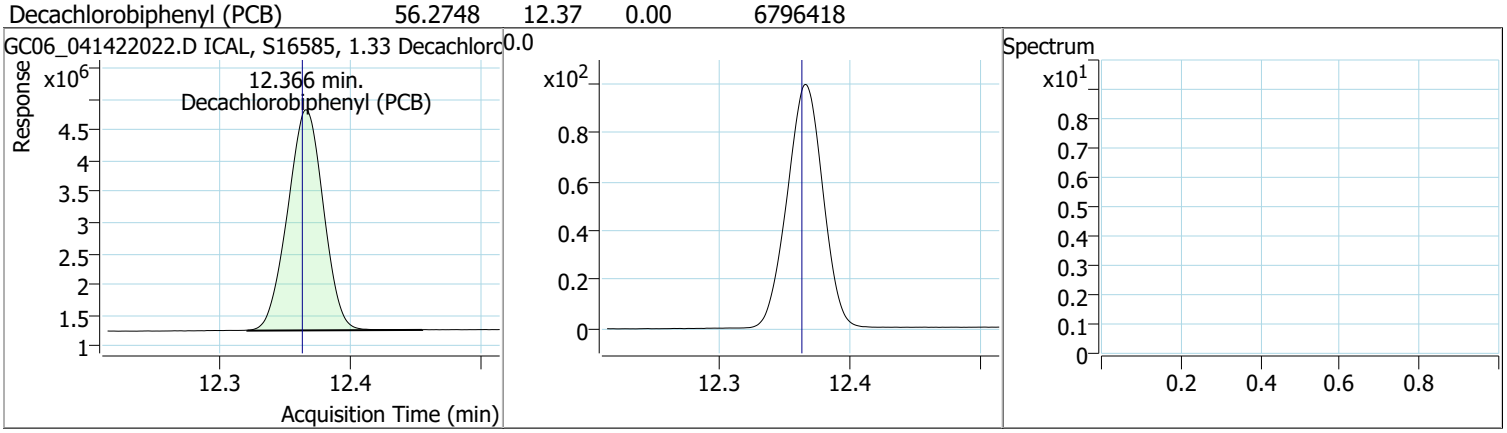
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	1482.8058	11.11	0.00	7811997			



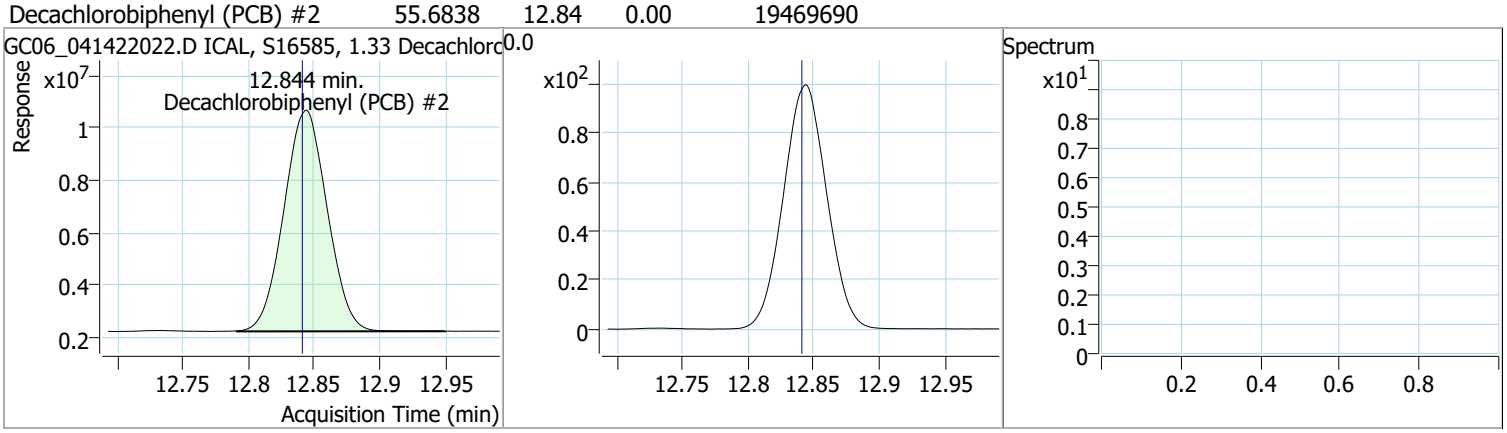
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	1414.8278	11.47	0.00	31074860			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	56.2748	12.37	0.00	6796418			

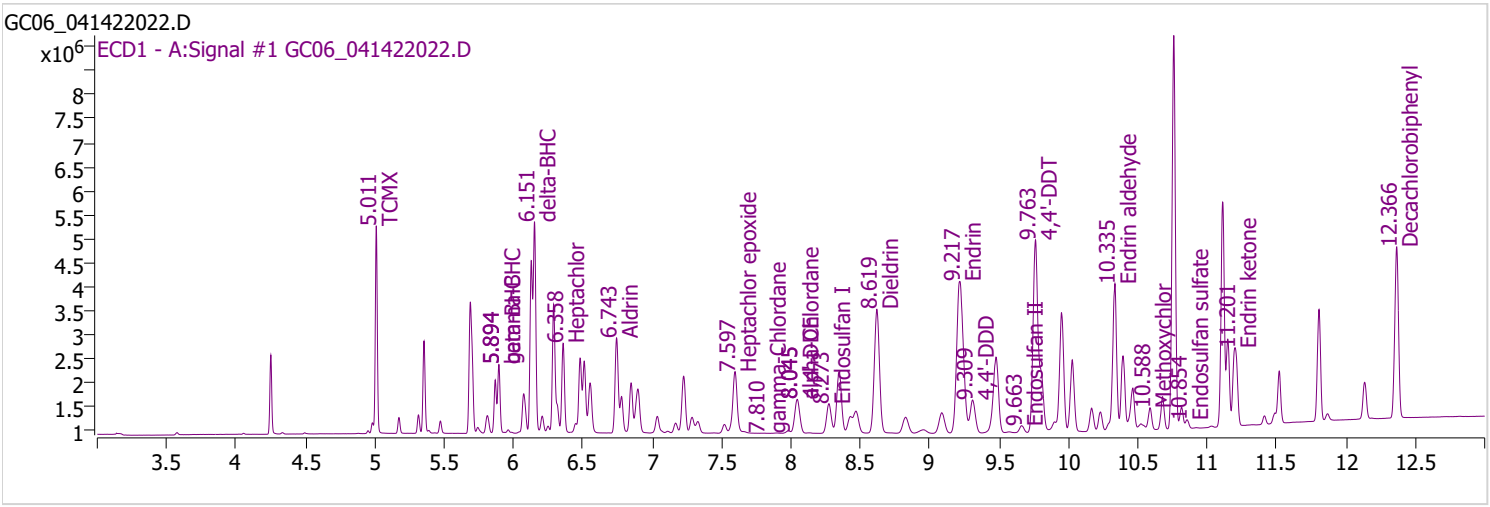


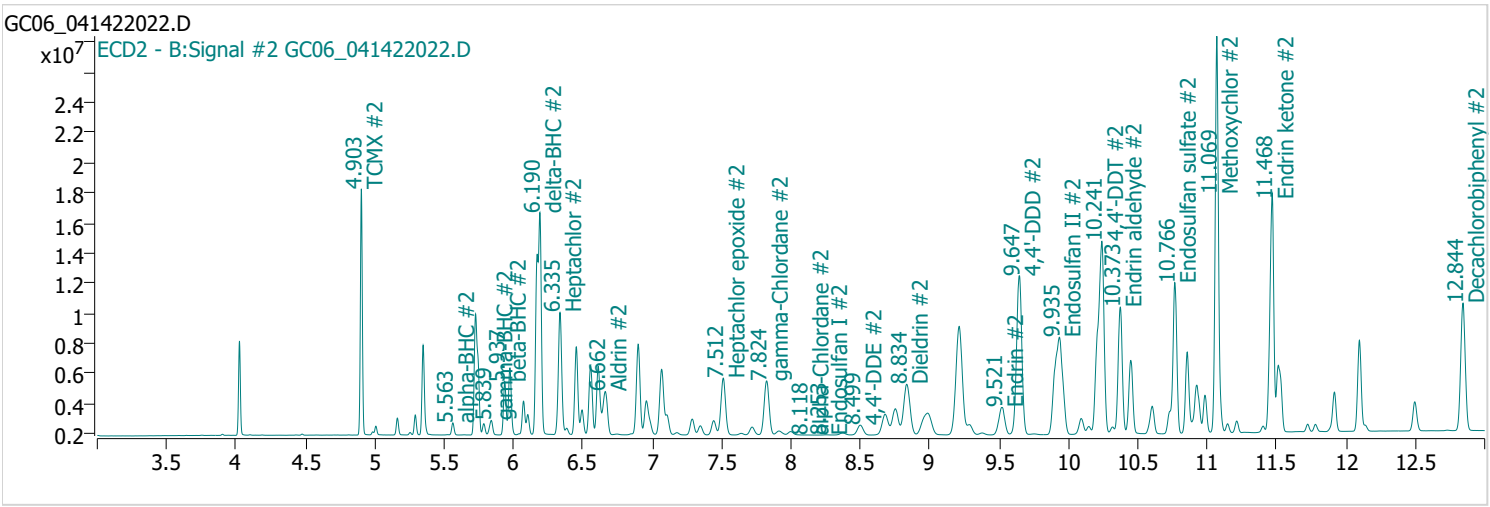
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	55.6838	12.84	0.00	19469690			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422022.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 8:44:14 PM
Sample Name	ICAL, S16585, 1.33	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 118	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 8:58:27 PM



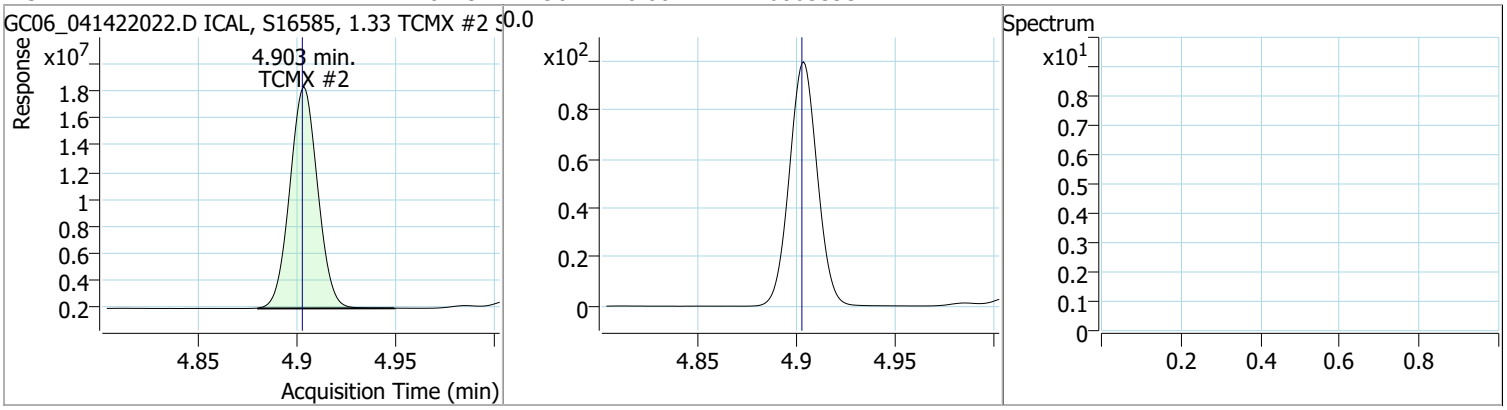


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.251	4.024	1579943	5794445	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.011	4.903	4410864	16065395	67.588	71.025	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	337.94% *	355.12% *	
S Decachlorobiphenyl	12.366	12.844	6789423	19302255	69.126	65.136	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	345.63% *	325.68% *	
Target Compounds							
T alpha-BHC	----	5.563 f	0	920345	N.D.	5.071 #	ng/ml
T gamma-BHC	5.894	5.839	1737182	1416221	30.444	7.657 #	ng/ml
T beta-BHC	5.894	5.937	1710136	4568637	56.192	39.999 #	ng/ml
T delta-BHC	6.151	6.190	5620220	35209398	68.047	84.716	ng/ml
T Heptachlor	6.358	6.335	2280047	13942615	37.500	51.437 #	ng/ml
T Aldrin	6.743	6.662 f	3182685	6459364	47.917	32.188 #	ng/ml
T Heptachlor epoxide	7.597	7.512	2723636	7838665	43.031	36.286	ng/ml
T gamma-Chlordane	7.810	7.824	3036	8770743	0.067	37.329 #	ng/ml
T alpha-Chlordane	8.045	8.118	1098356	2682	22.184	0.016 #	ng/ml

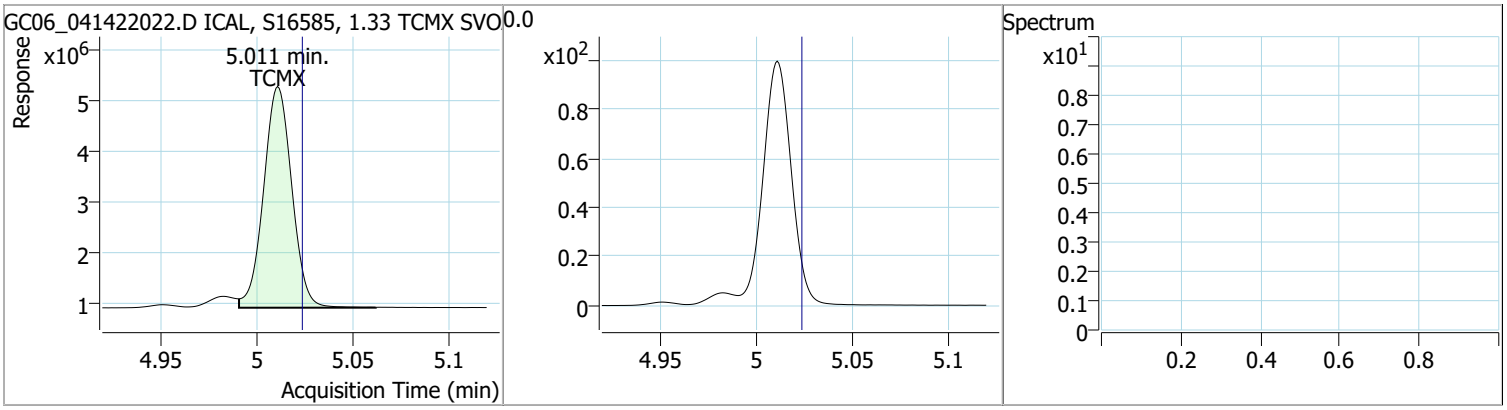
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.273	8.253	1358875	32827	28.680	0.220 #	ng/ml
T 4,4'-DDE	8.045	8.499 f	1694921	1906361	35.239	12.910 #	ng/ml
T Dieldrin	8.619	8.834	6612828	9357717	98.238	51.019 #	ng/ml
T Endrin	9.217	9.521	9777241	5338414	133.425	33.443 #	ng/ml
T 4,4'-DDD	9.309	9.647 f	1066737	25591467	30.533	145.260 #	ng/ml
T Endosulfan II	9.663	9.935 f	331711	26330722	7.652	111.649 #	ng/ml
T 4,4'-DDT	9.763	10.241	11484924	38823043	193.253	142.253 #	ng/ml
T Endrin aldehyde	10.335	10.373	5263002	16803352	112.095	100.417	ng/ml
T Endosulfan sulfate	10.854	10.766	159468	21350803	4.140	108.863 #	ng/ml
T Methoxychlor	10.588	11.069 f	732597	43728207	29.406	404.795 #	ng/ml
T Endrin ketone	11.201	11.468 f	2936002	28593437	53.021	114.789 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

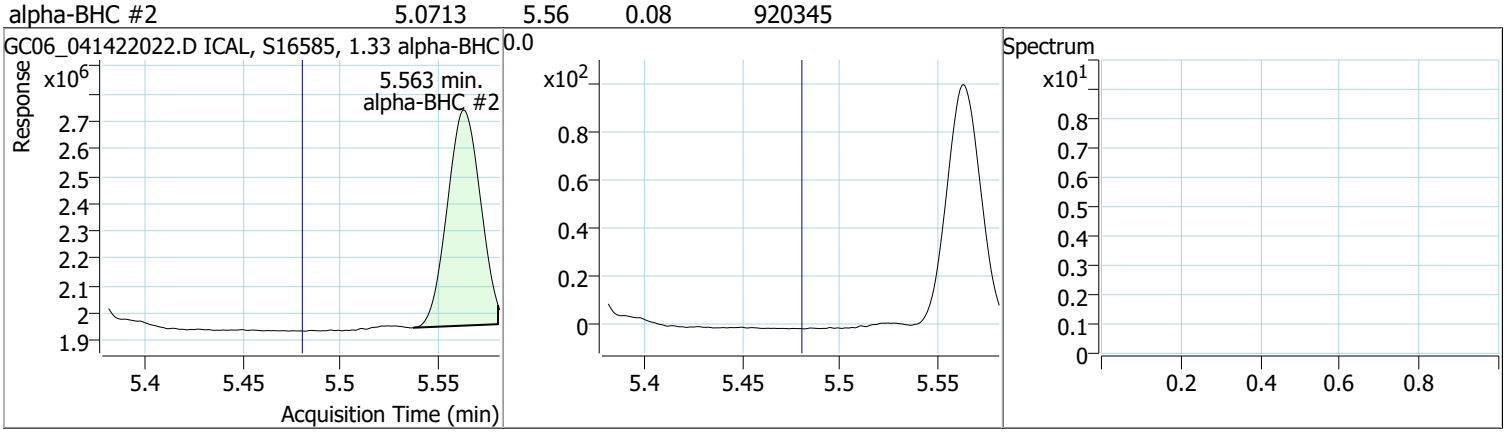
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	71.0249	4.90	0.00	16065395			



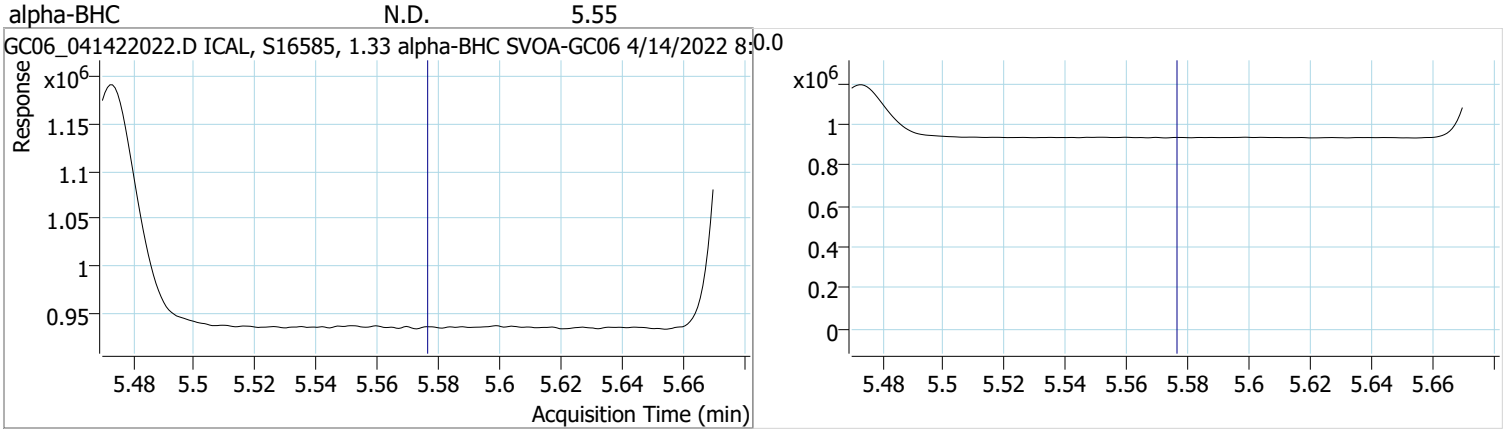
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	67.5880	5.01	0.01	4410864			



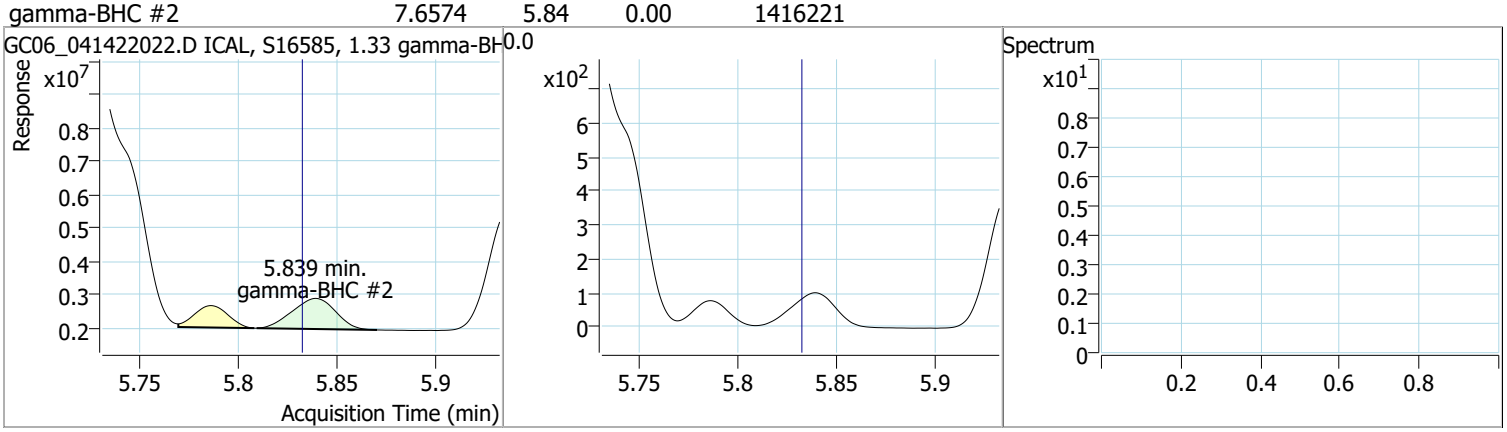
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	5.0713	5.56	0.08	920345			



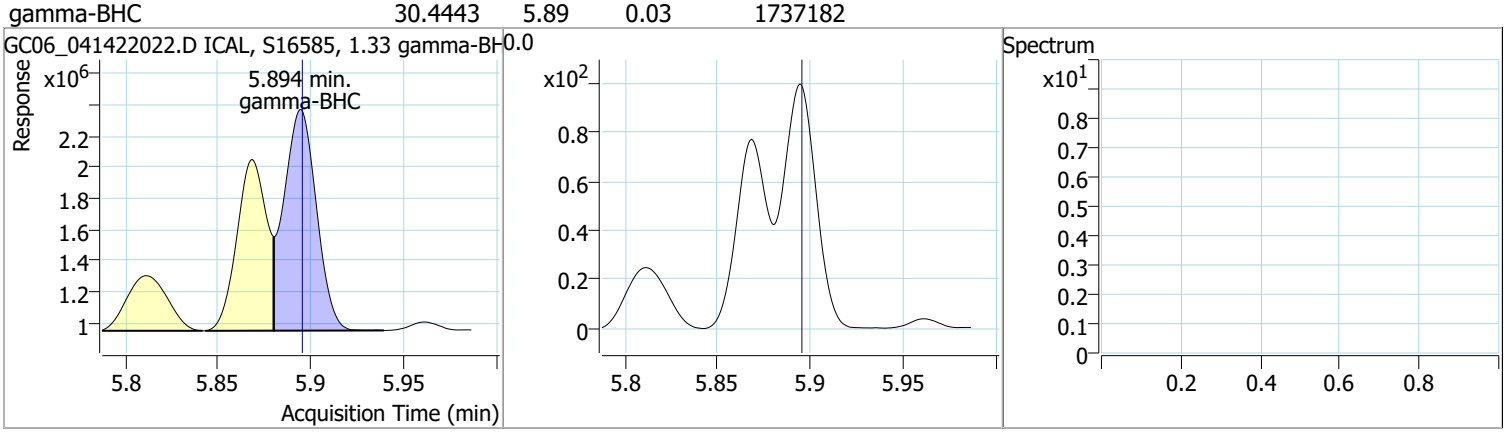
Compound	Conc.		Exp Ratio
alpha-BHC	N.D.	5.55	



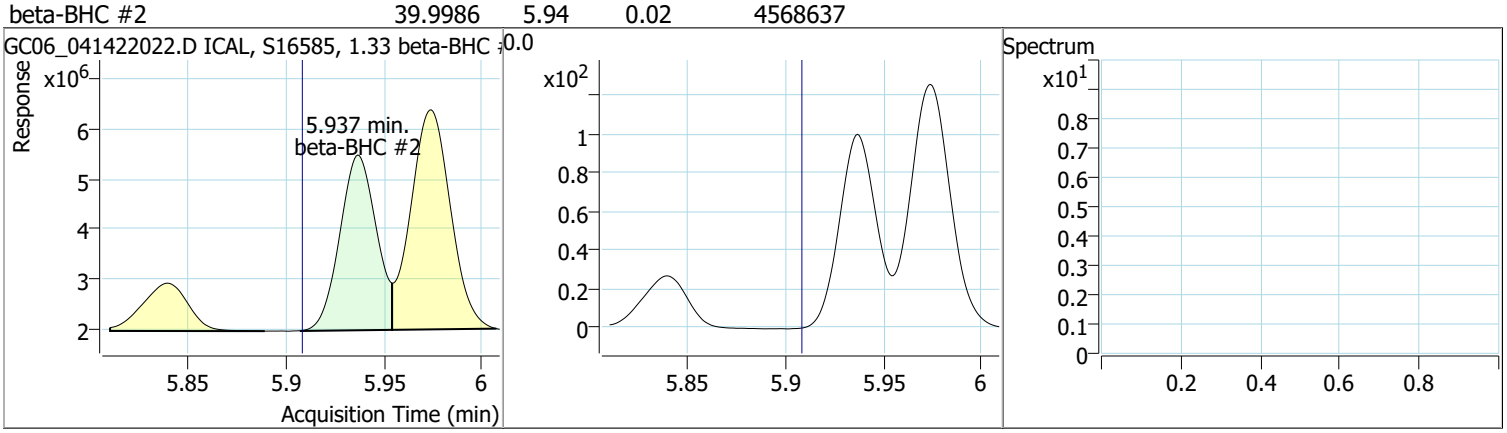
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	7.6574	5.84	0.00	1416221			



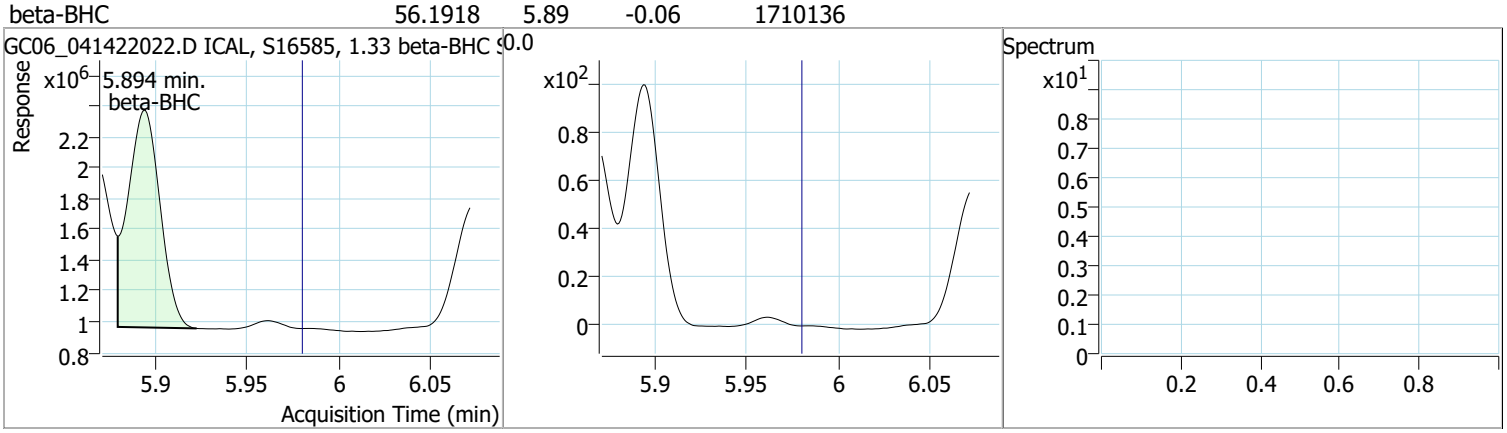
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	30.4443	5.89	0.03	1737182			



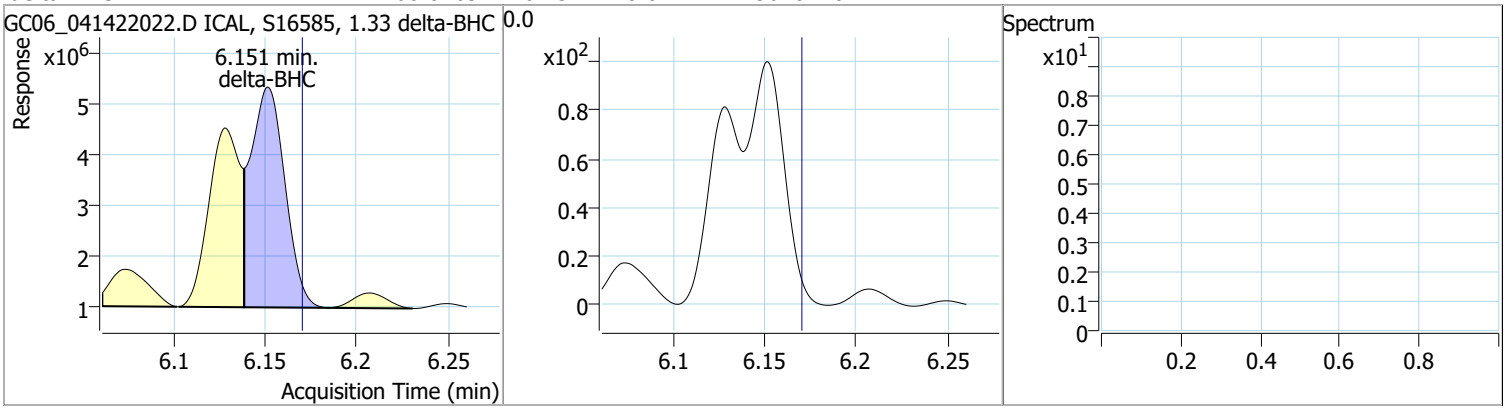
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	39.9986	5.94	0.02	4568637			



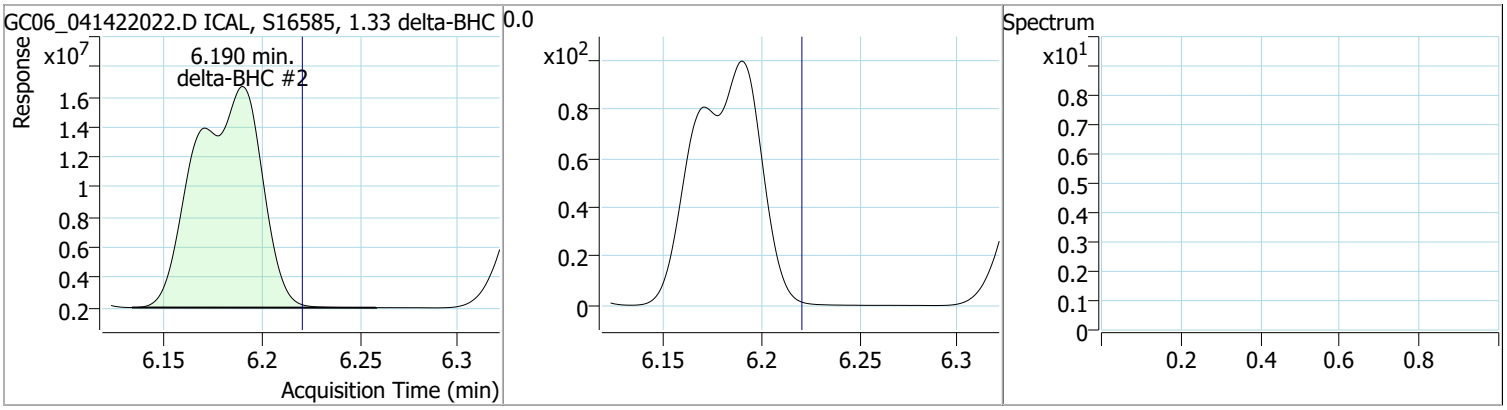
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	56.1918	5.89	-0.06	1710136			



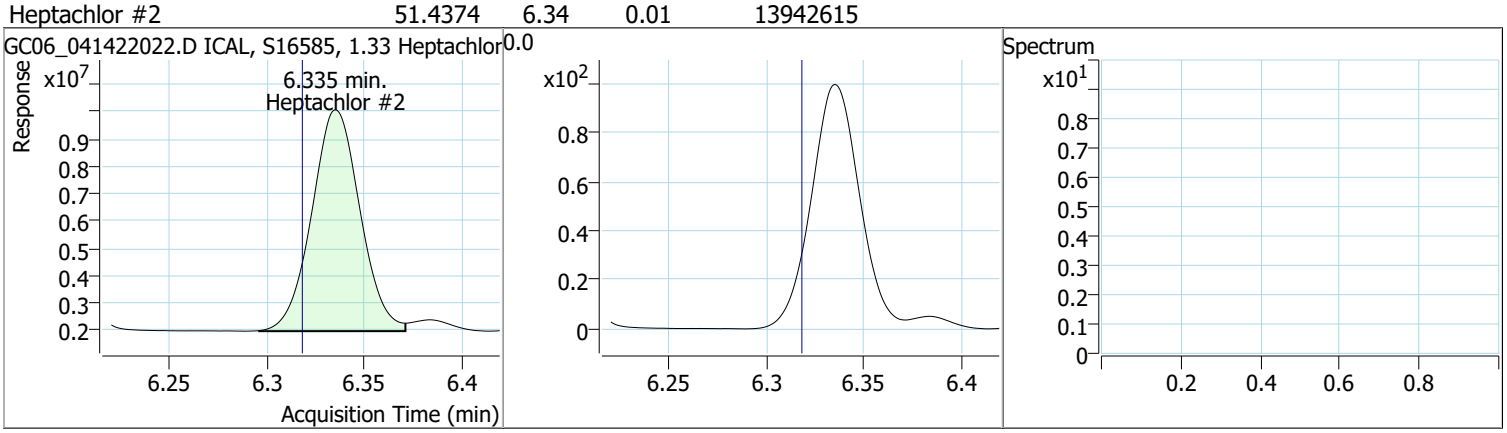
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	68.0469	6.15	0.01	5620220			



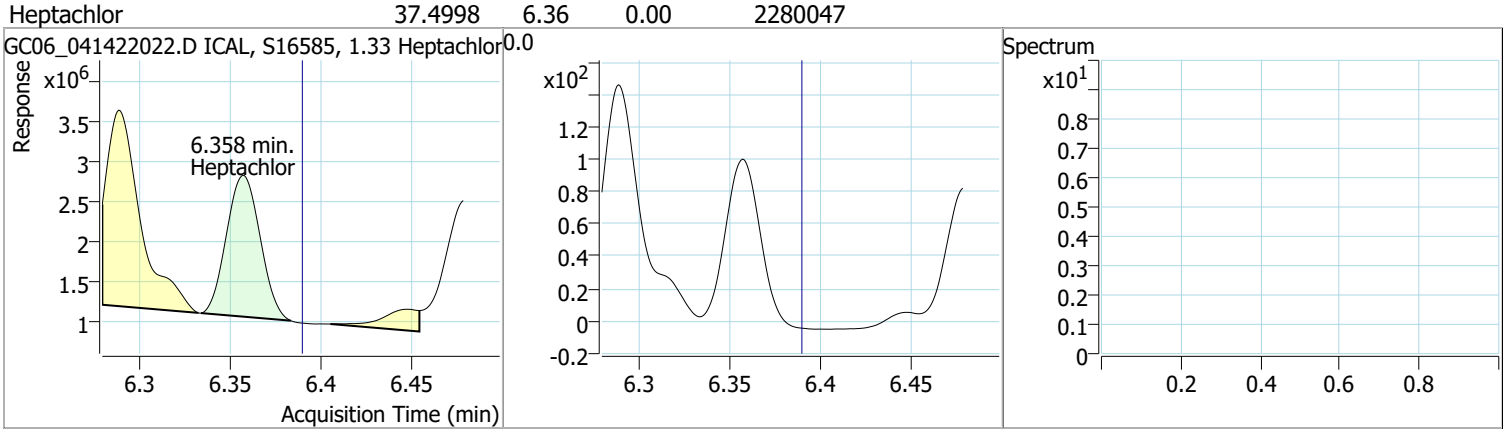
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	84.7155	6.19	-0.03	35209398			



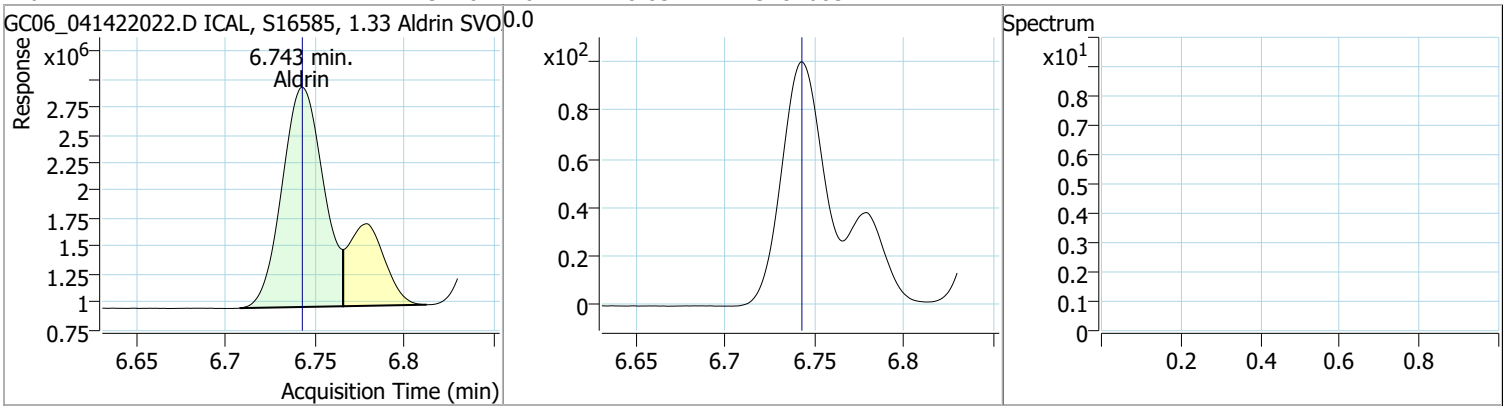
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	51.4374	6.34	0.01	13942615			



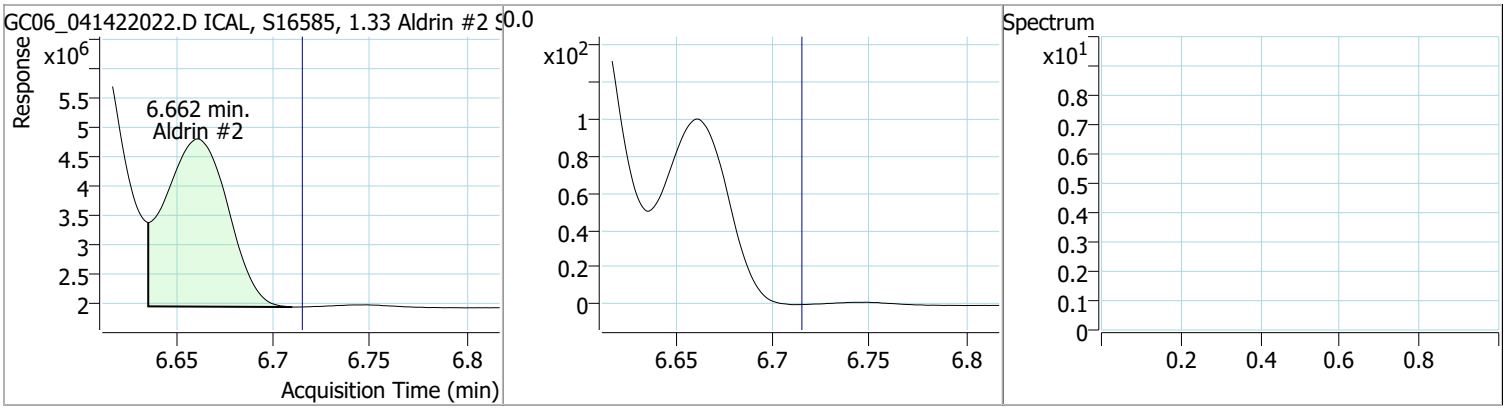
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	37.4998	6.36	0.00	2280047			



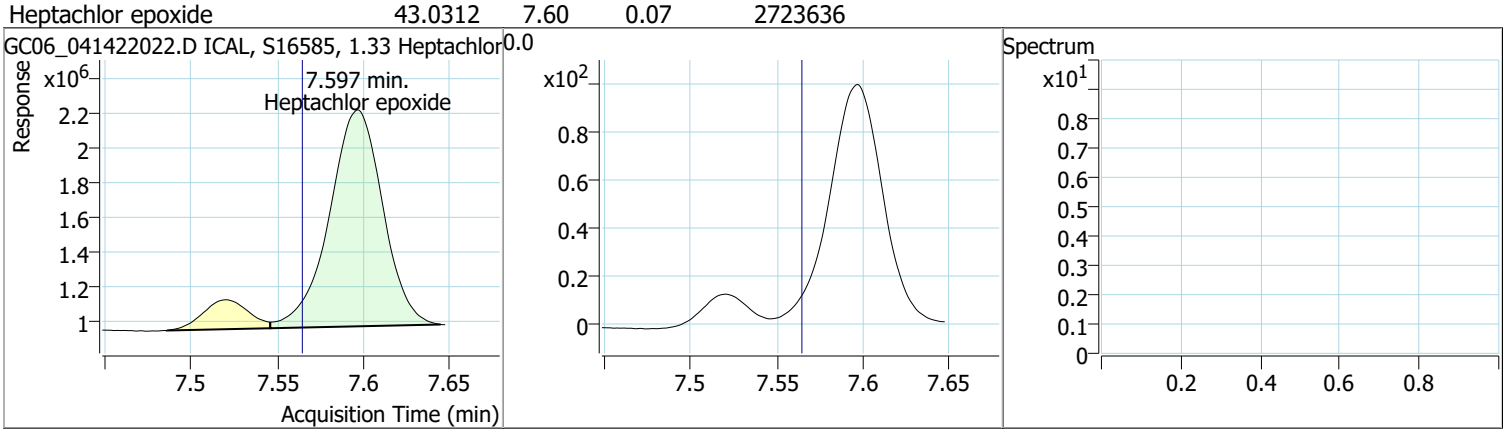
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	47.9170	6.74	0.03	3182685			



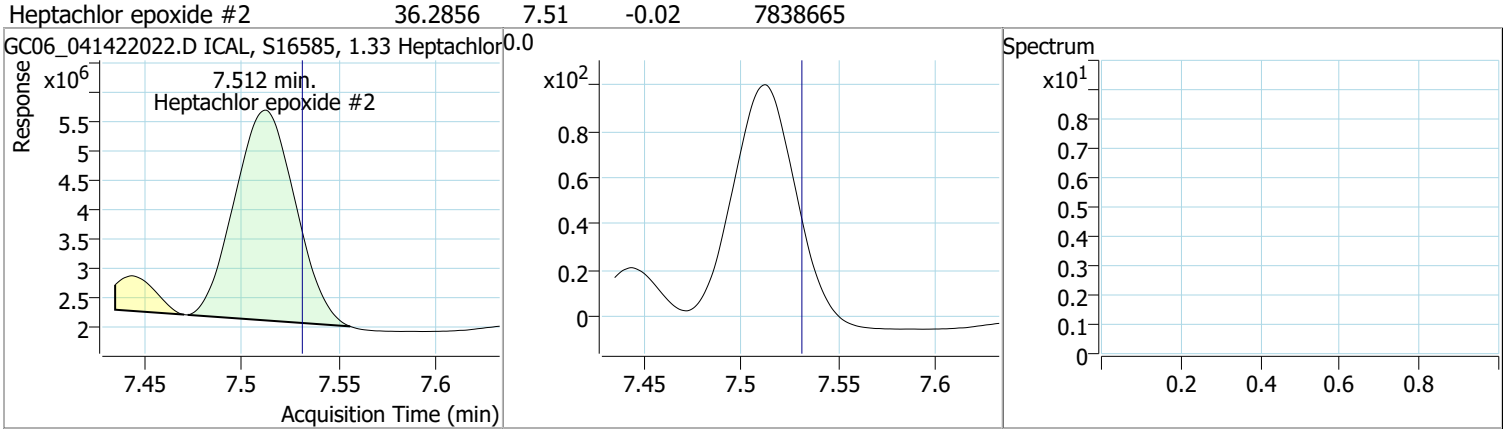
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	32.1876	6.66	-0.06	6459364			



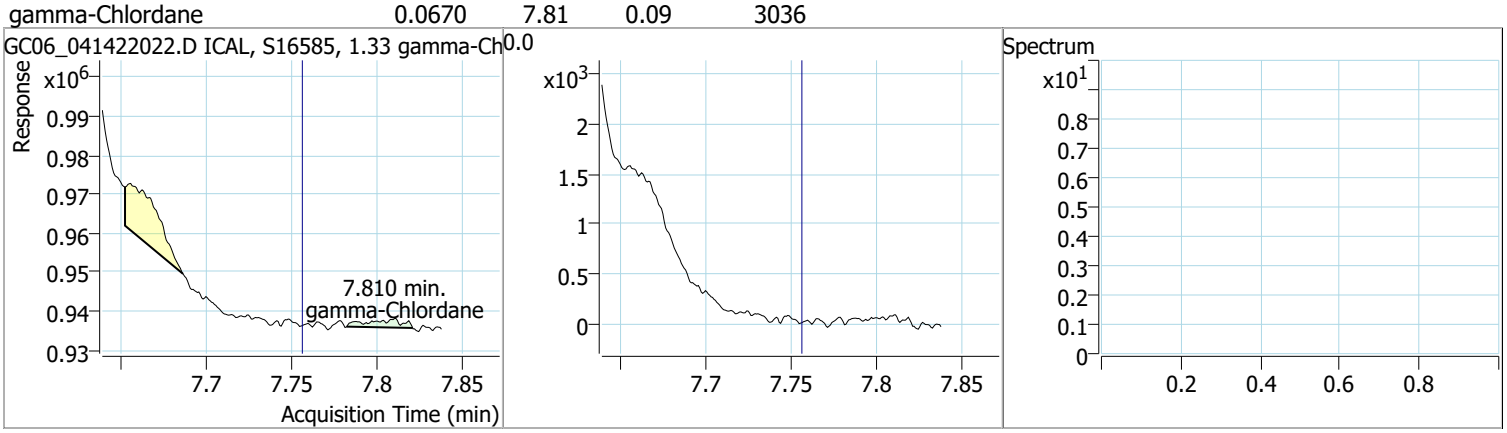
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	43.0312	7.60	0.07	2723636			



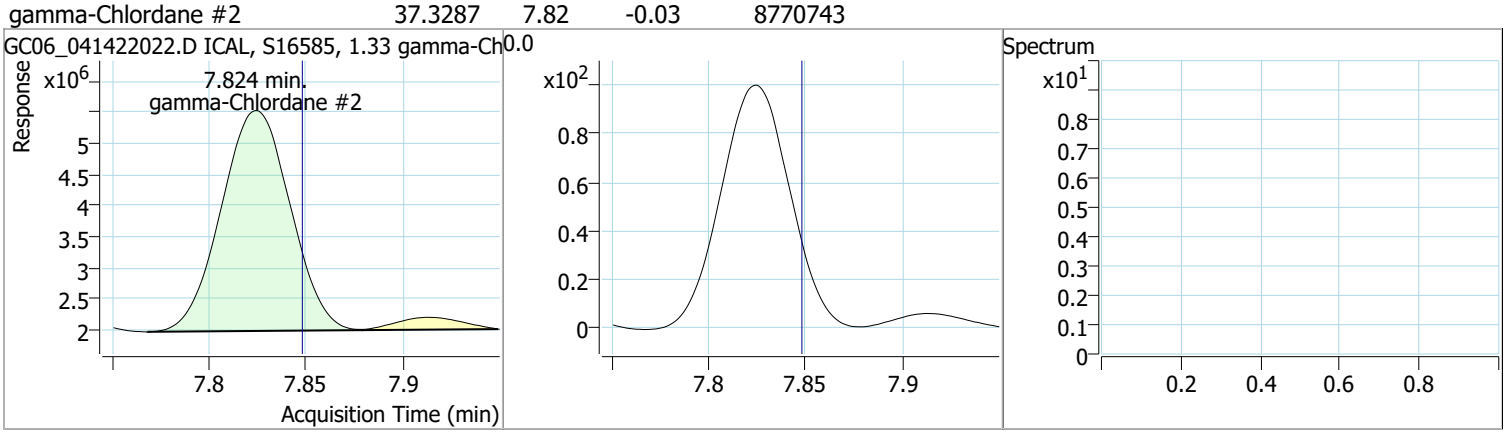
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	36.2856	7.51	-0.02	7838665			



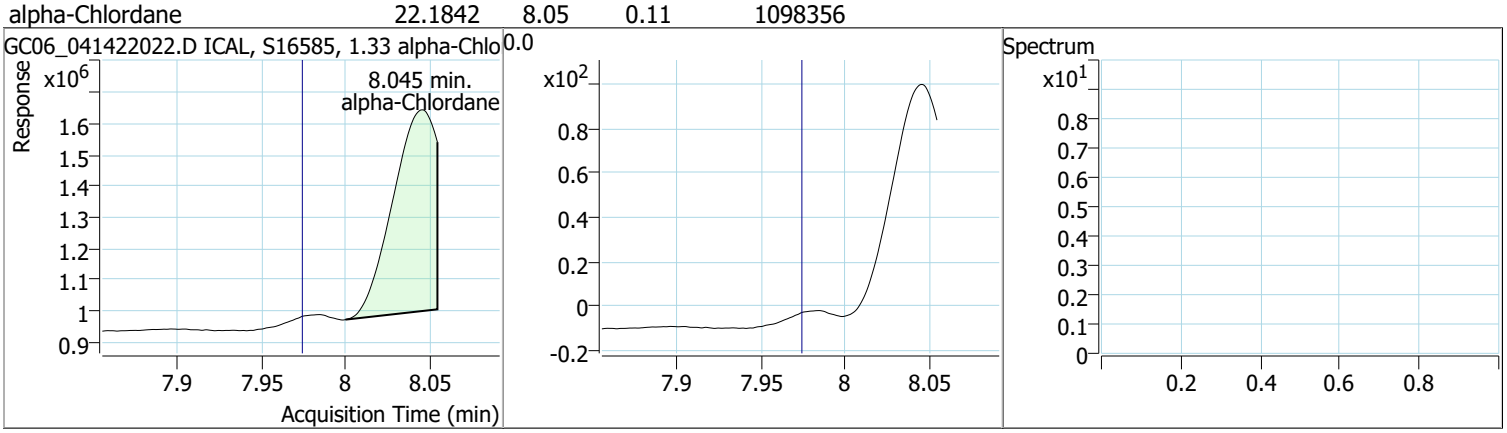
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.0670	7.81	0.09	3036			



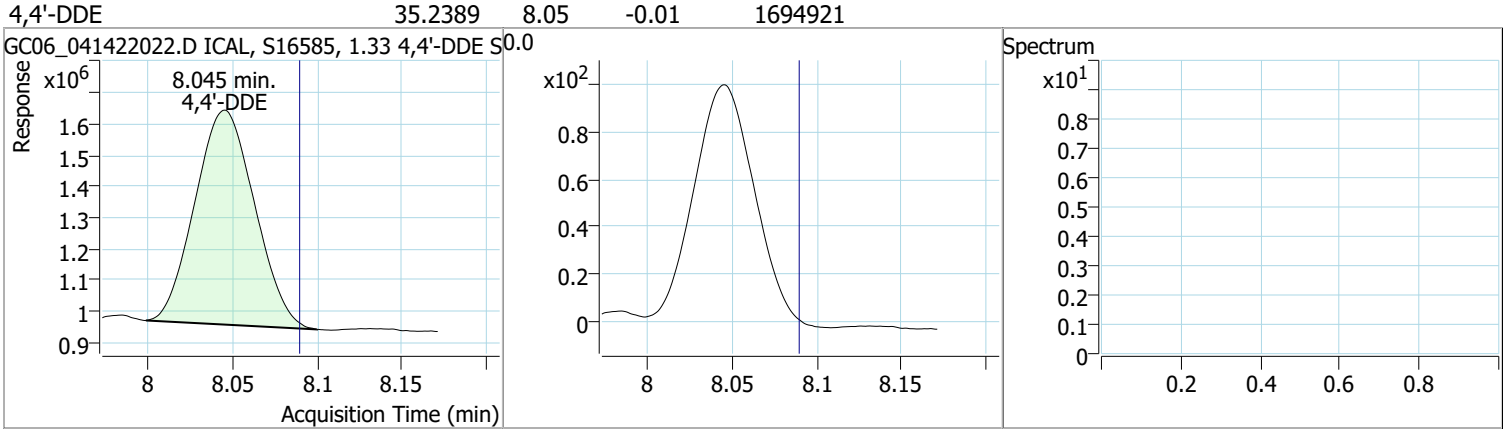
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	37.3287	7.82	-0.03	8770743			



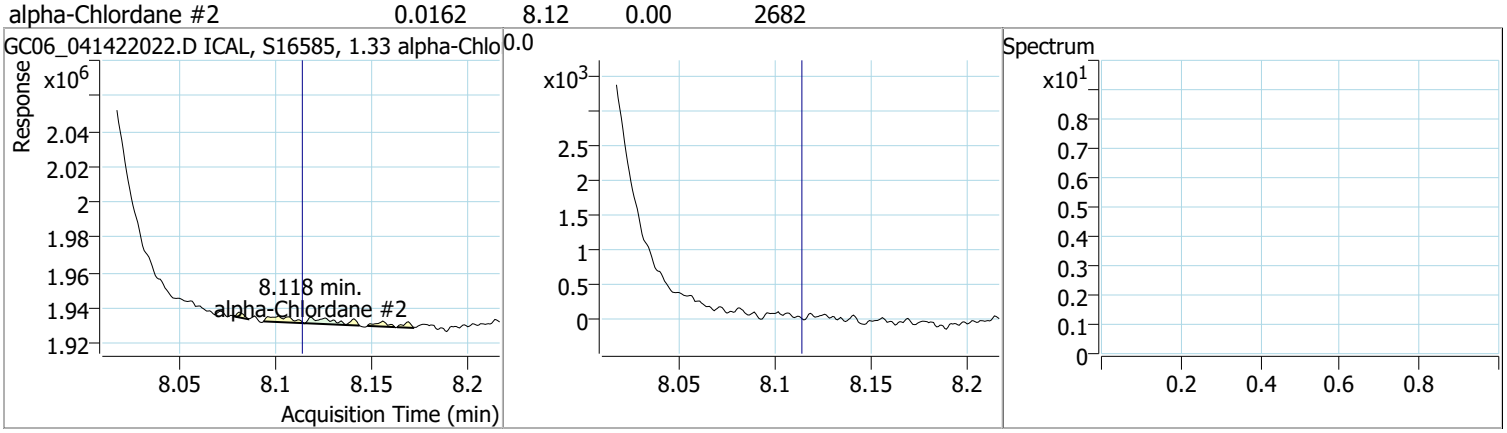
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	22.1842	8.05	0.11	1098356			



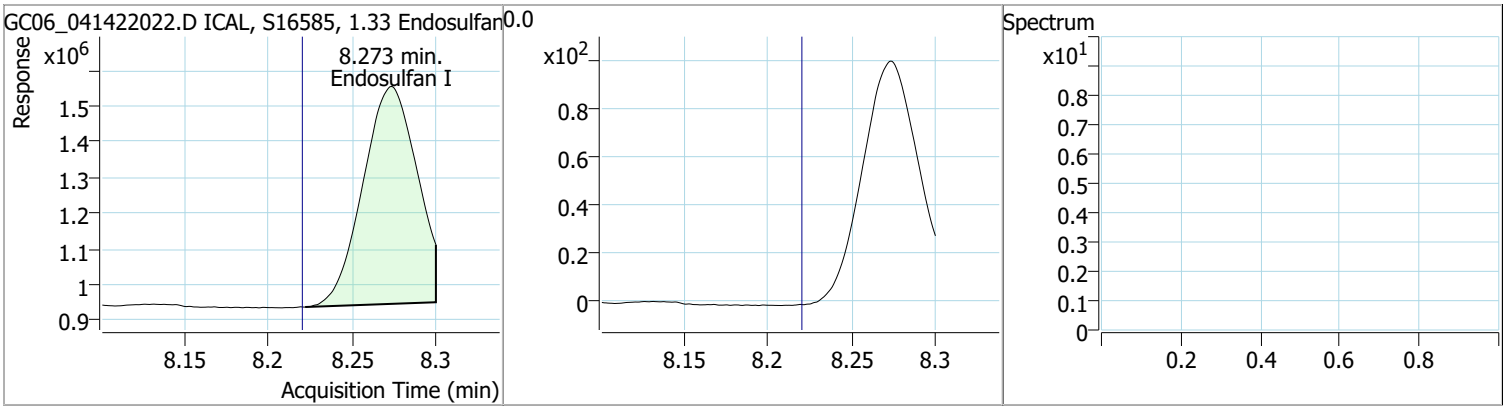
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	35.2389	8.05	-0.01	1694921			



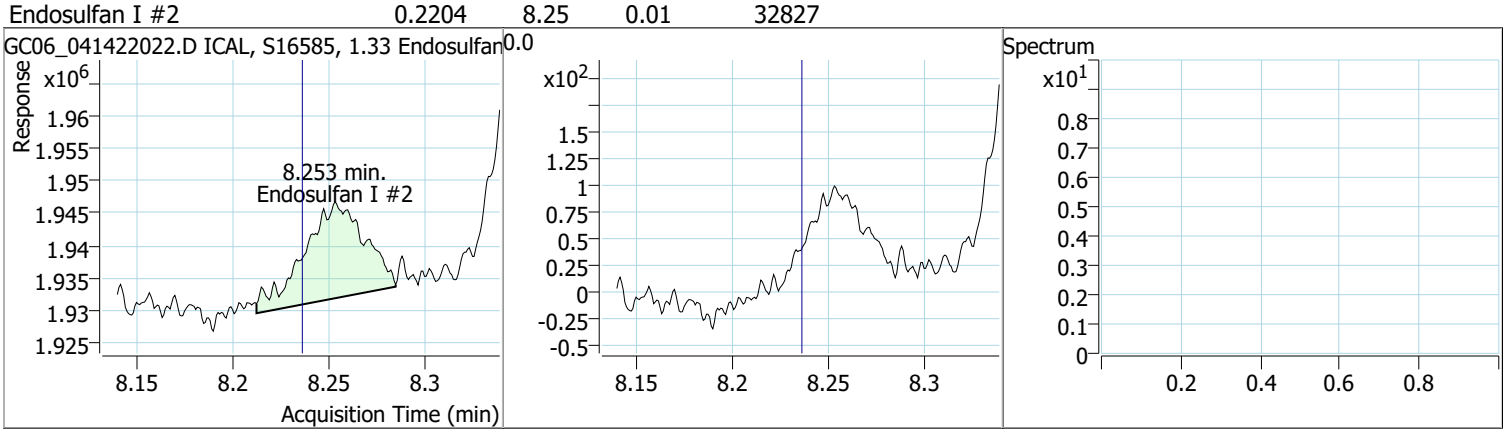
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane #2	0.0162	8.12	0.00	2682			



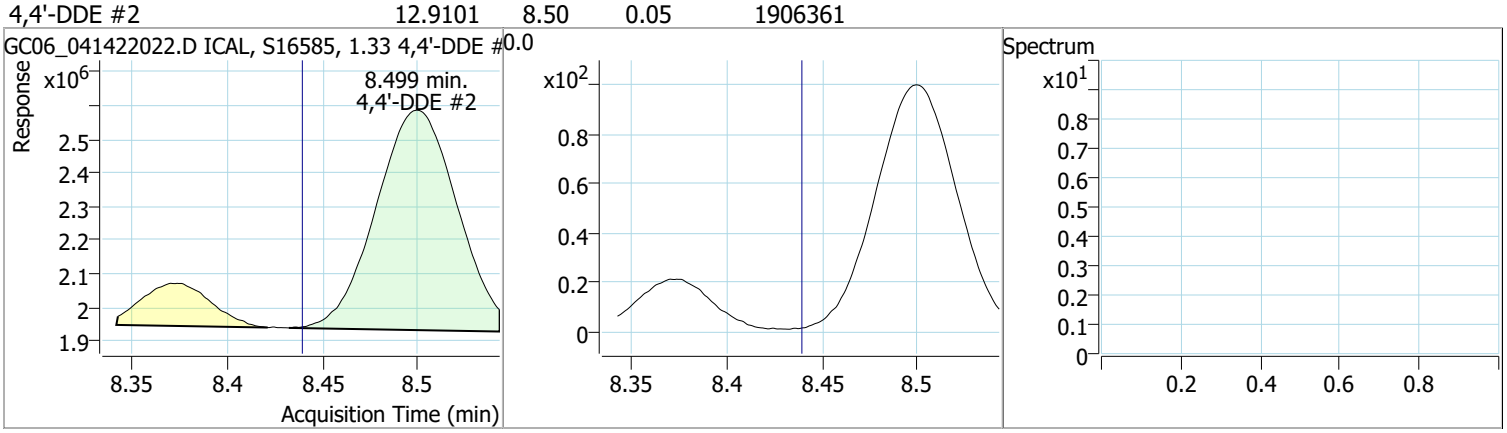
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	28.6798	8.27	0.09	1358875			



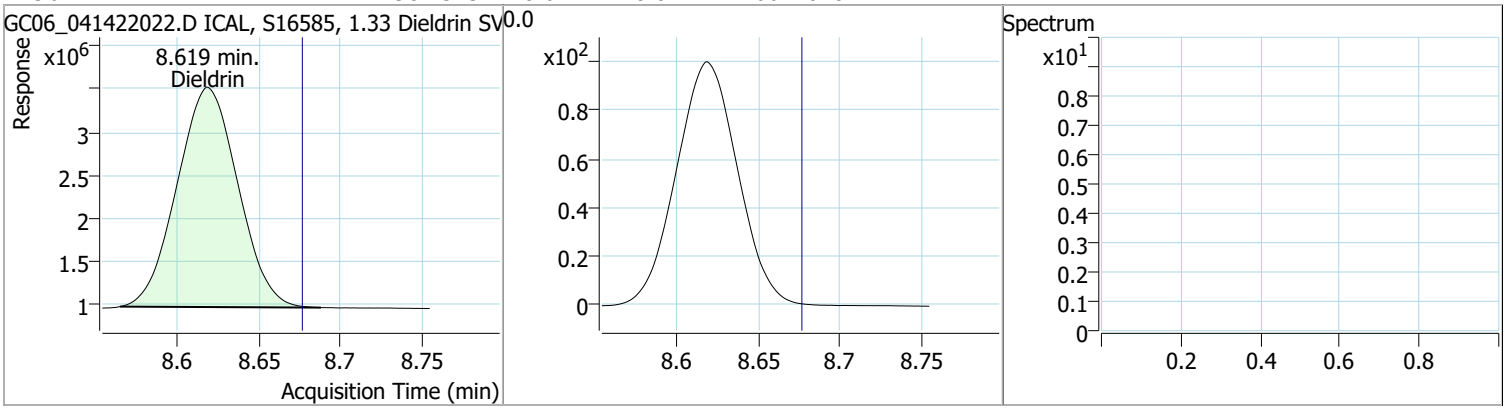
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I #2	0.2204	8.25	0.01	32827			



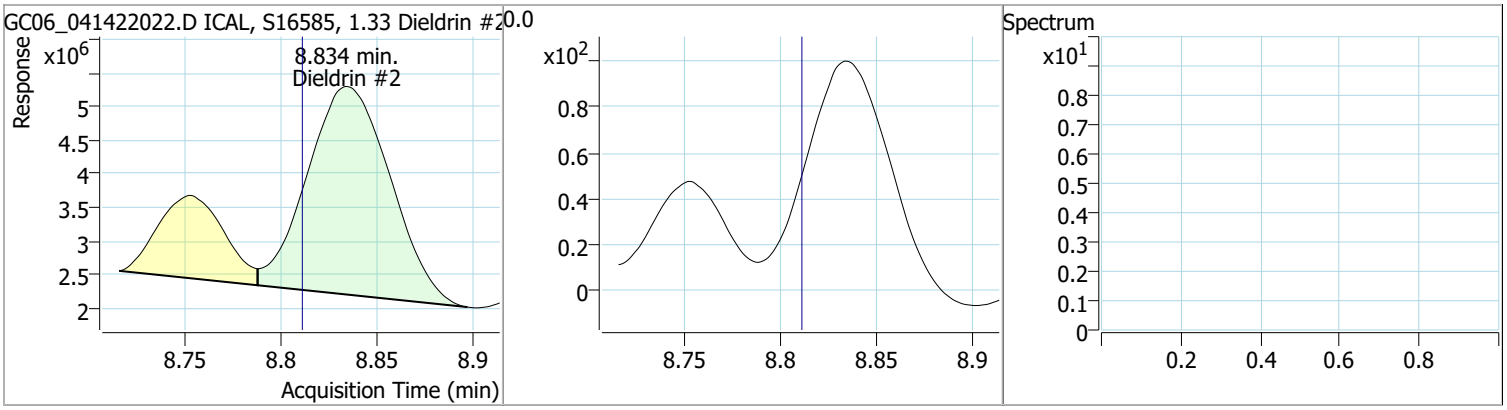
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	12.9101	8.50	0.05	1906361			



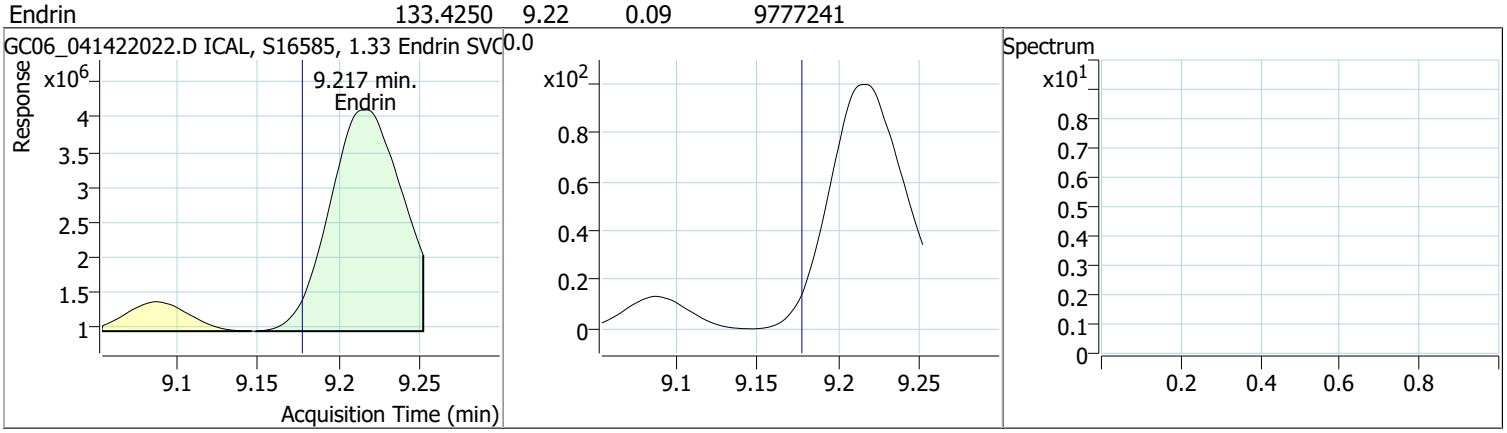
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin	98.2375	8.62	-0.01	6612828			



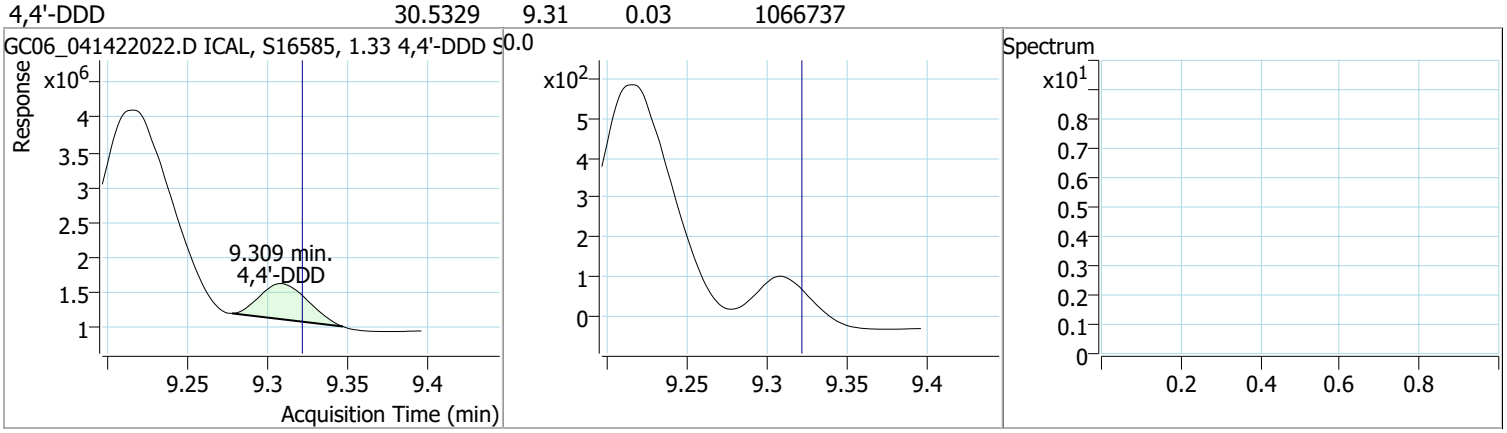
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	51.0192	8.83	0.02	9357717			



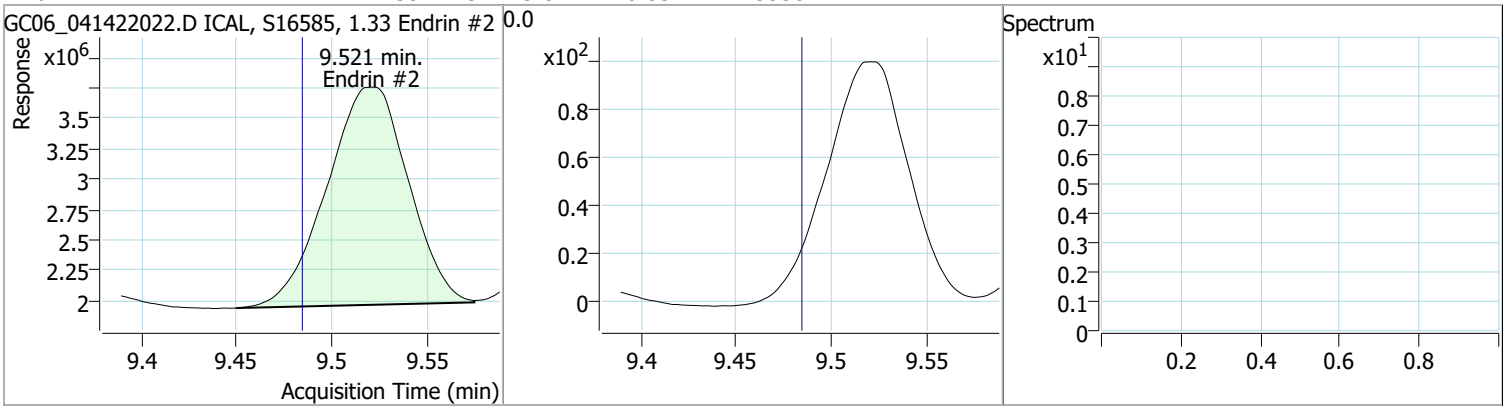
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin	133.4250	9.22	0.09	9777241			



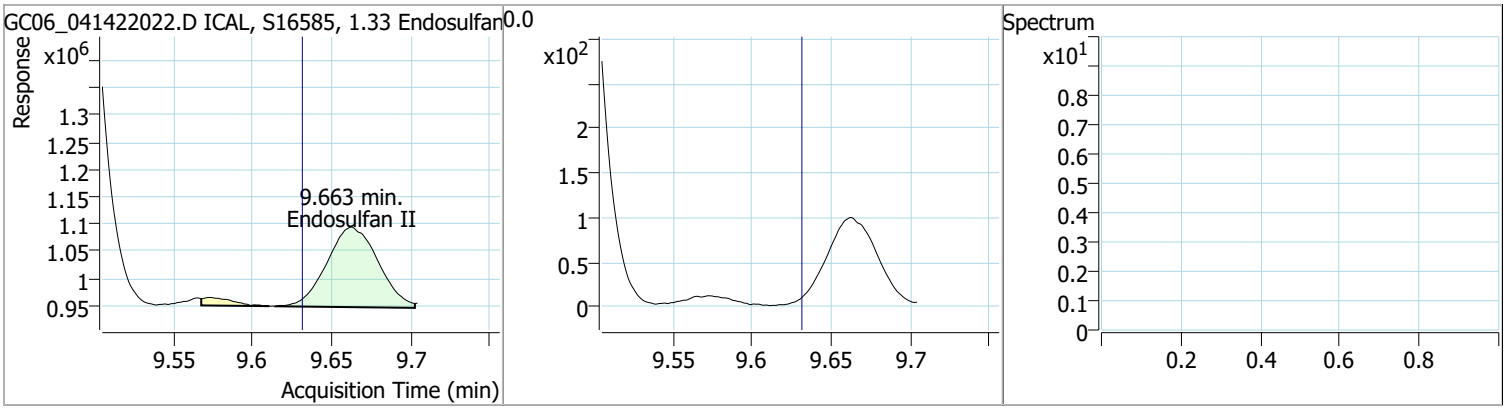
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	30.5329	9.31	0.03	1066737			



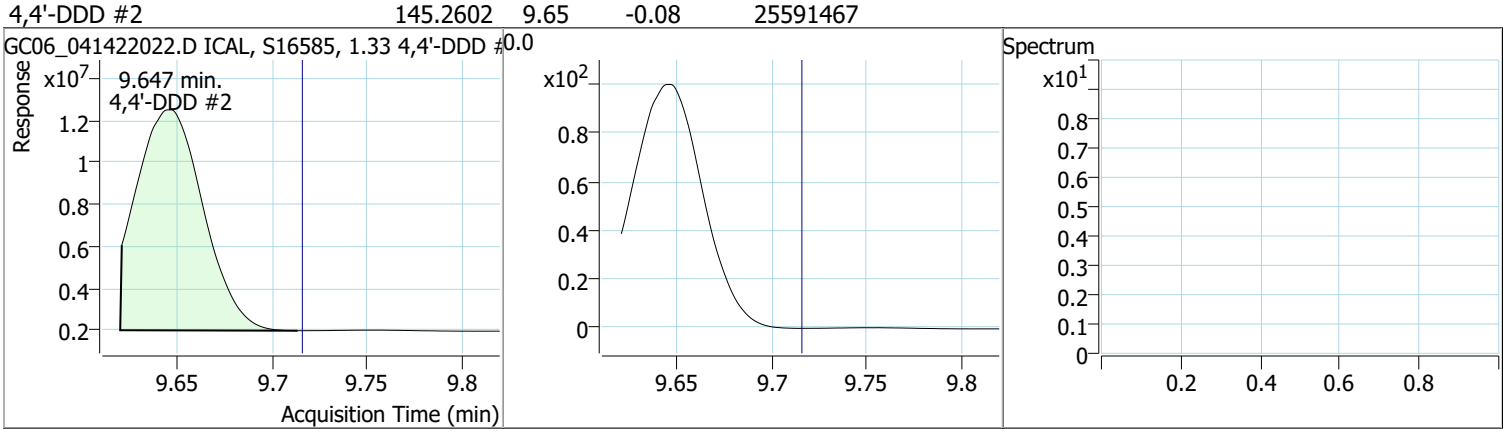
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin #2	33.4429	9.52	0.03	5338414			



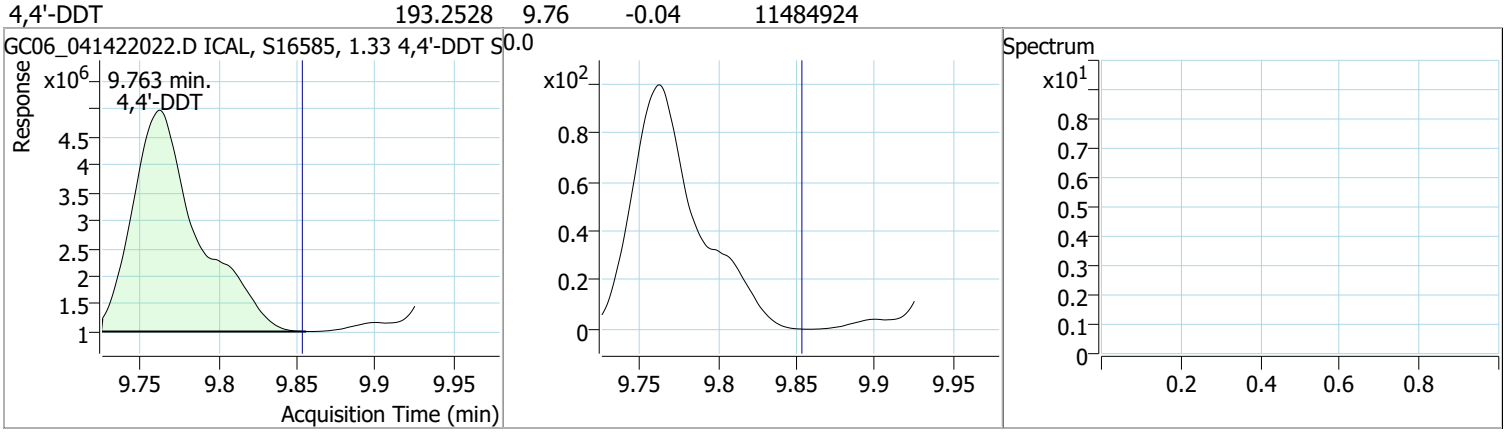
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II	7.6524	9.66	0.08	331711			



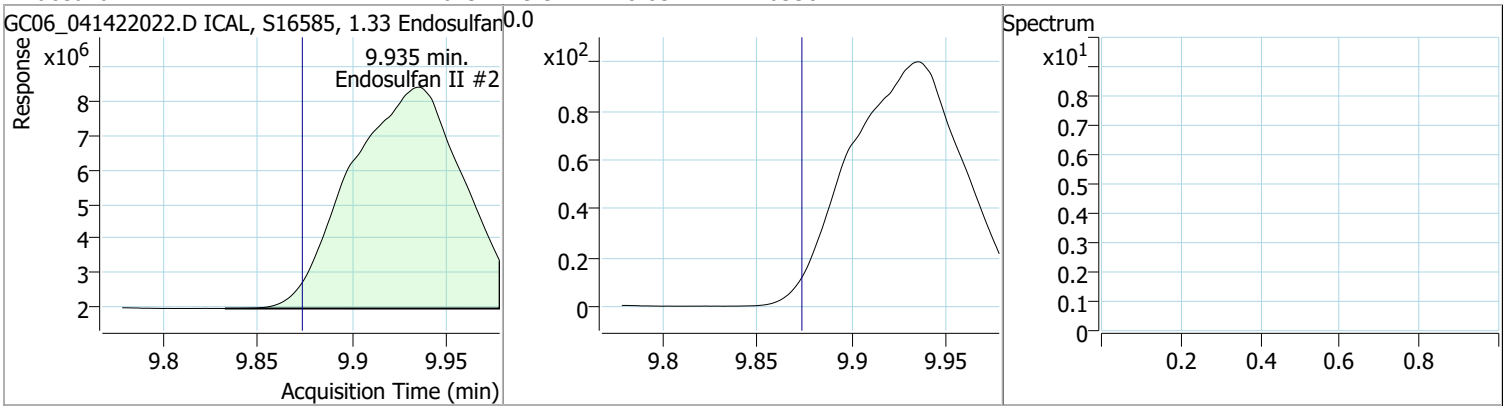
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	145.2602	9.65	-0.08	25591467			



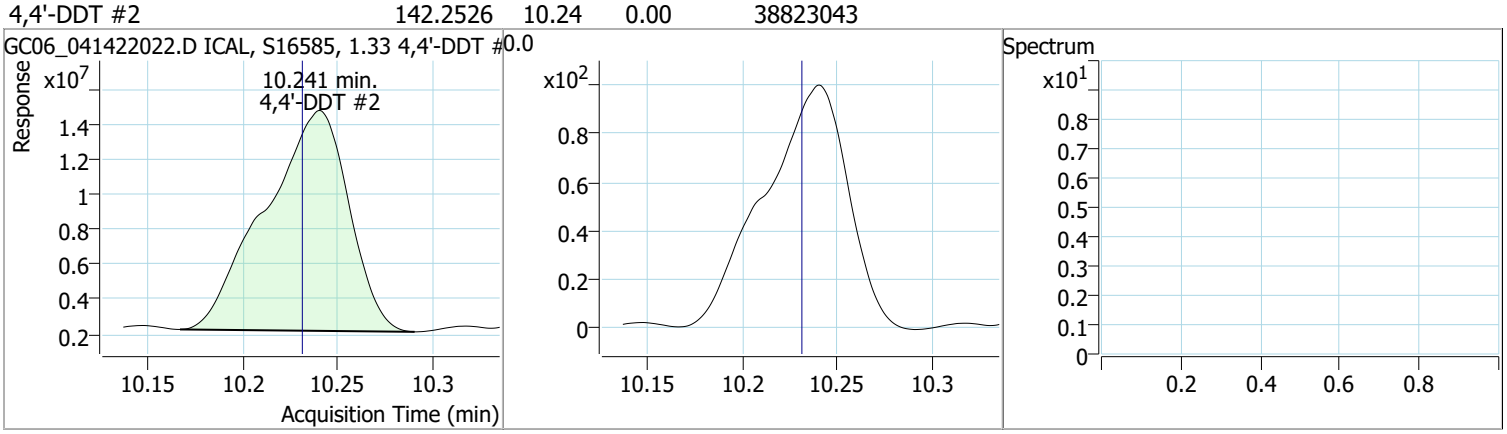
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	193.2528	9.76	-0.04	11484924			



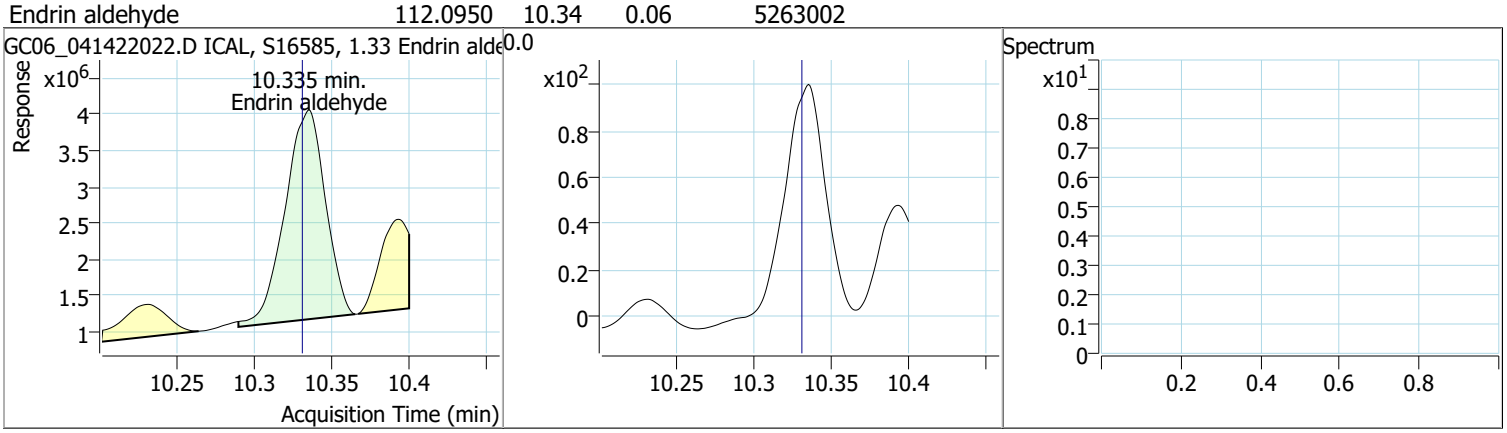
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	111.6491	9.94	0.05	26330722			



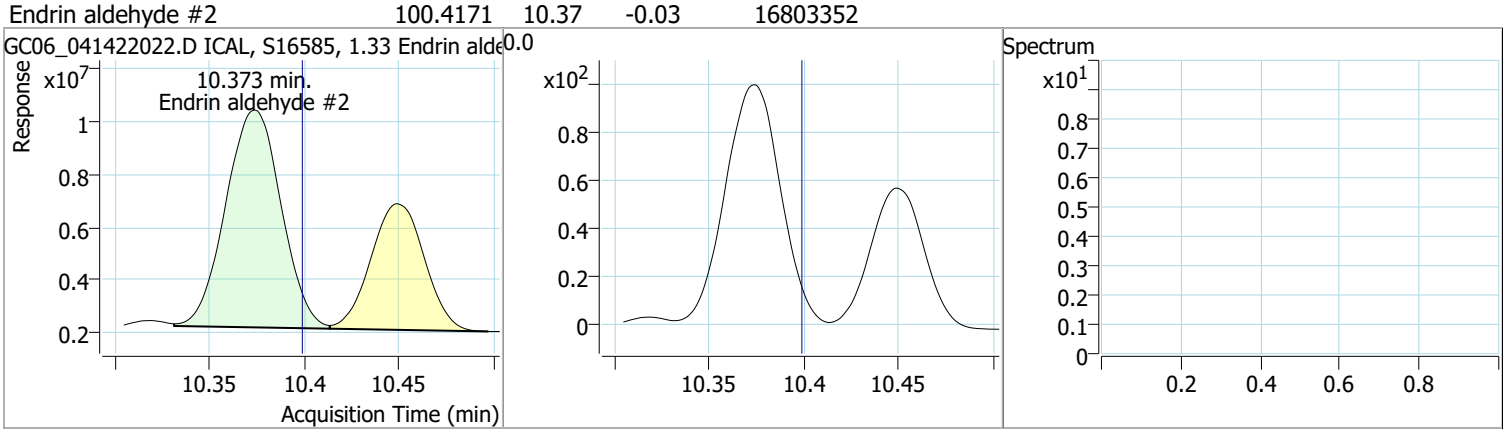
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	142.2526	10.24	0.00	38823043			



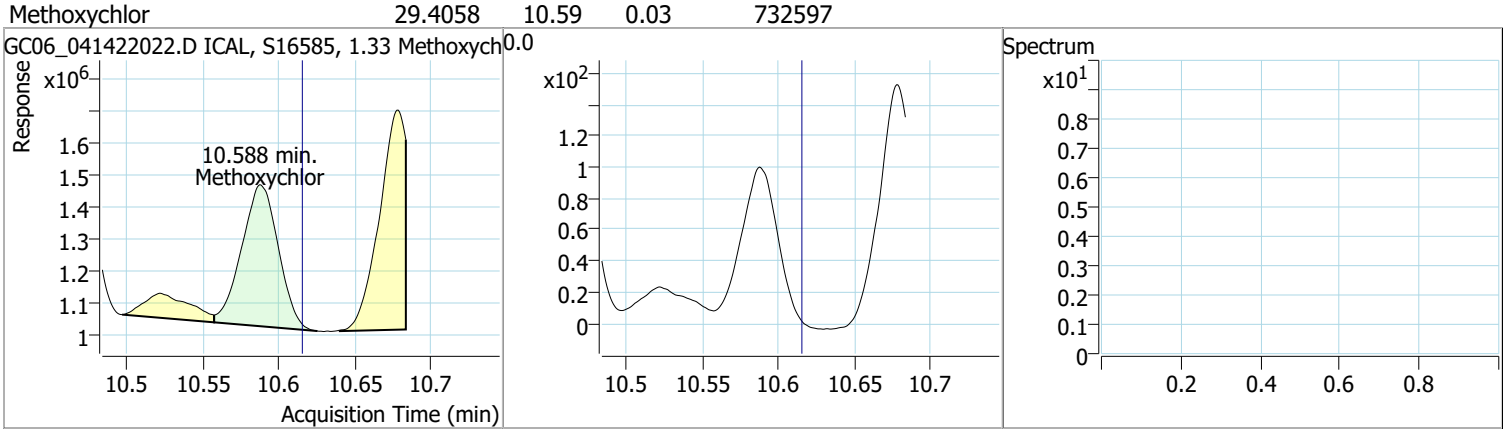
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	112.0950	10.34	0.06	5263002			



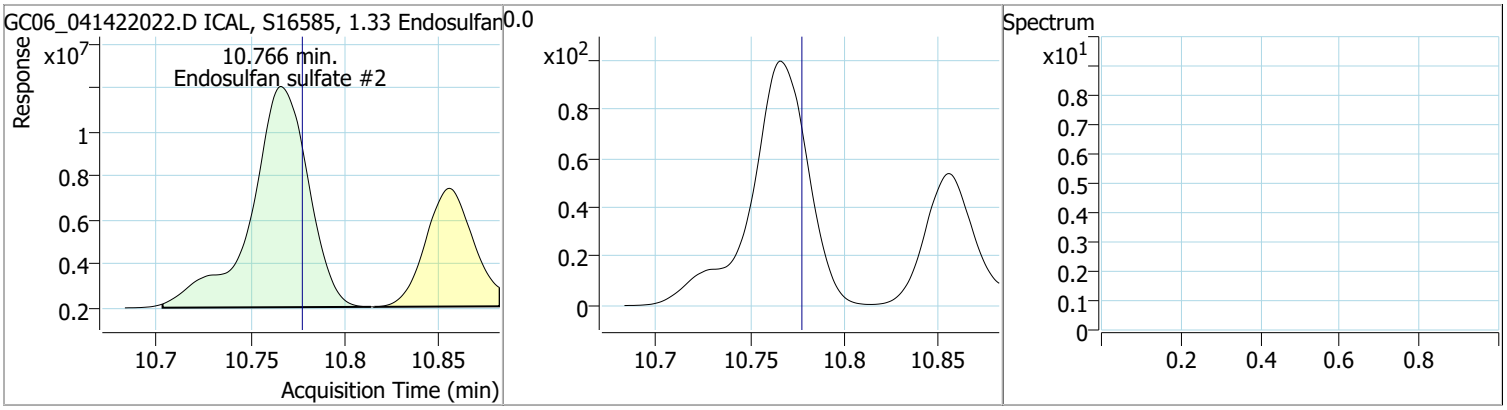
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	100.4171	10.37	-0.03	16803352			



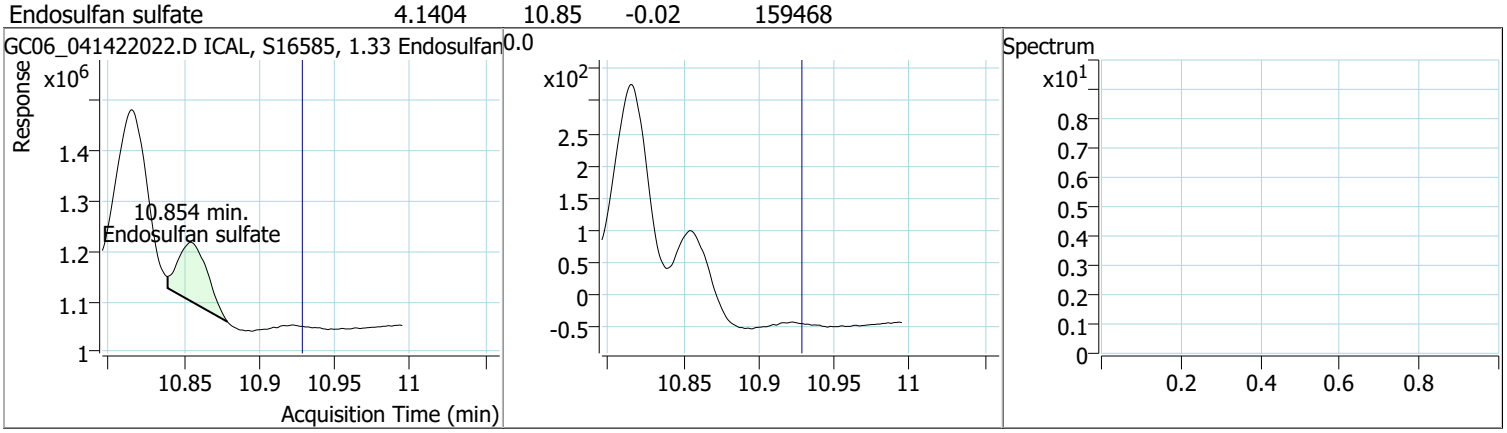
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	29.4058	10.59	0.03	732597			



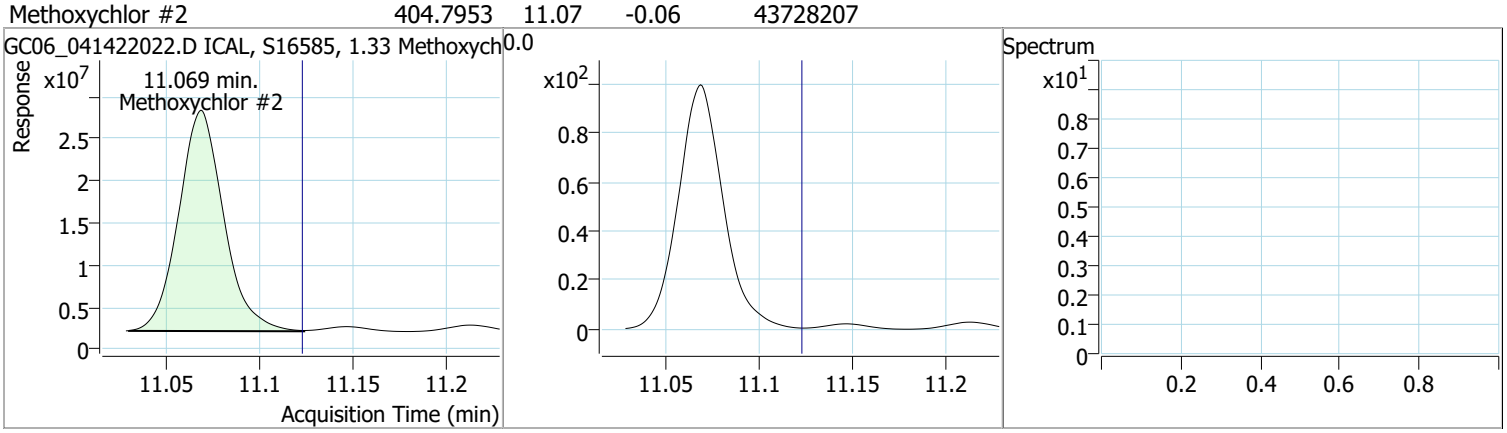
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	108.8634	10.77	-0.02	21350803			



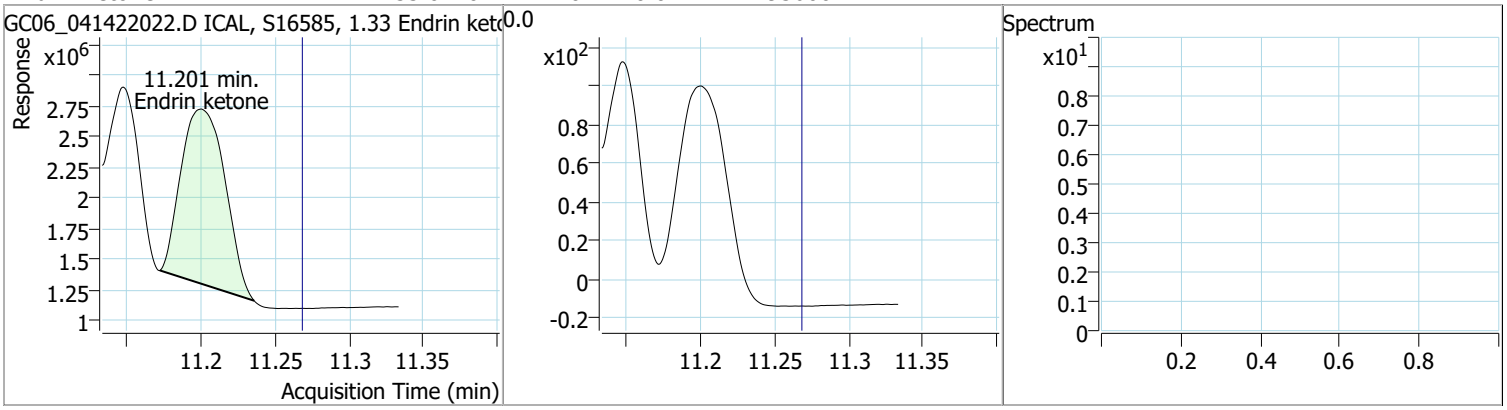
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	4.1404	10.85	-0.02	159468			



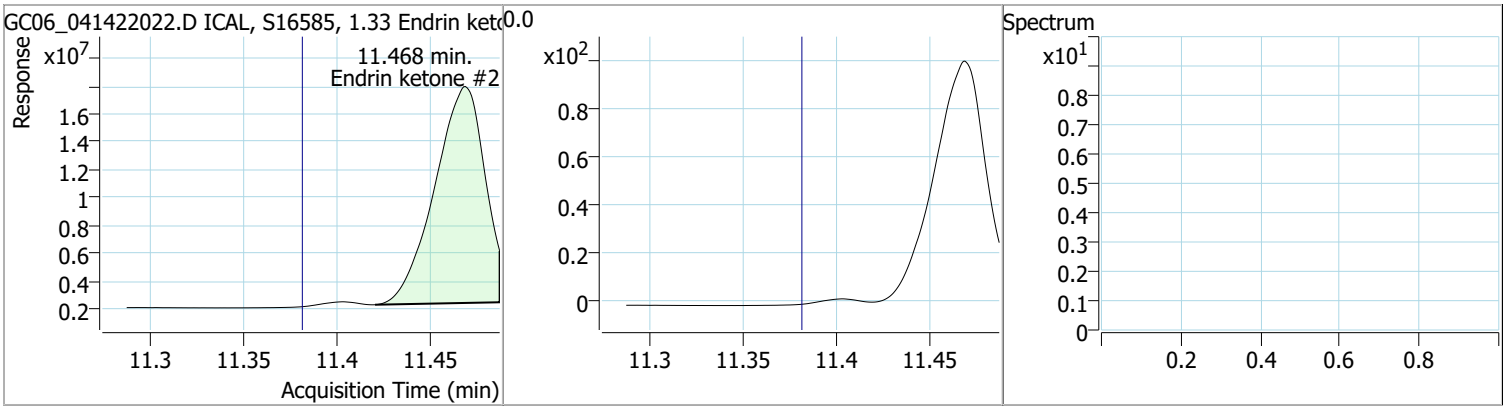
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	404.7953	11.07	-0.06	43728207			



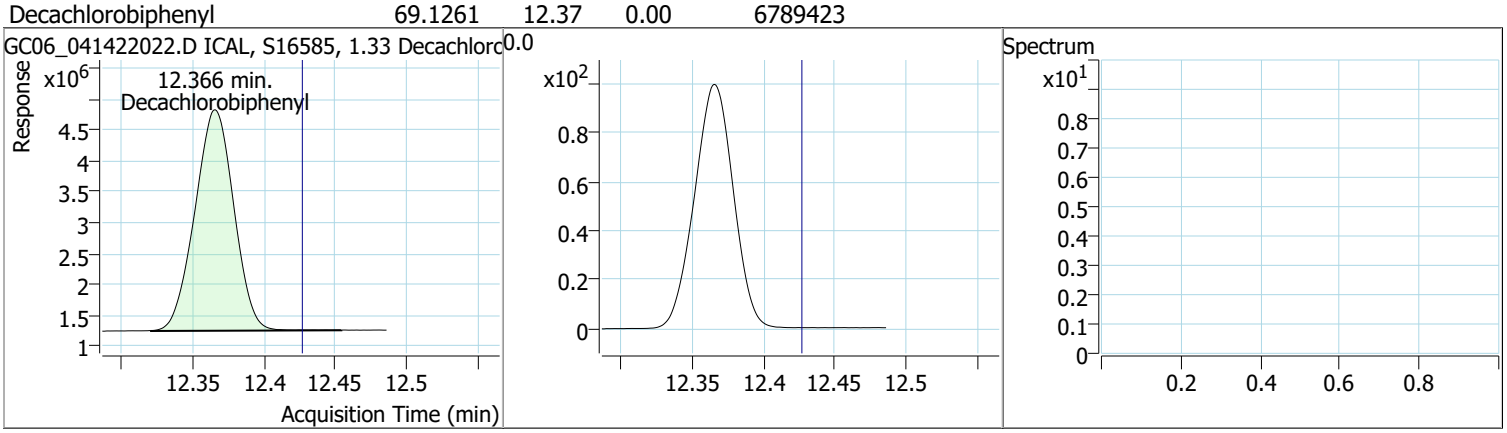
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	53.0210	11.20	-0.01	2936002			



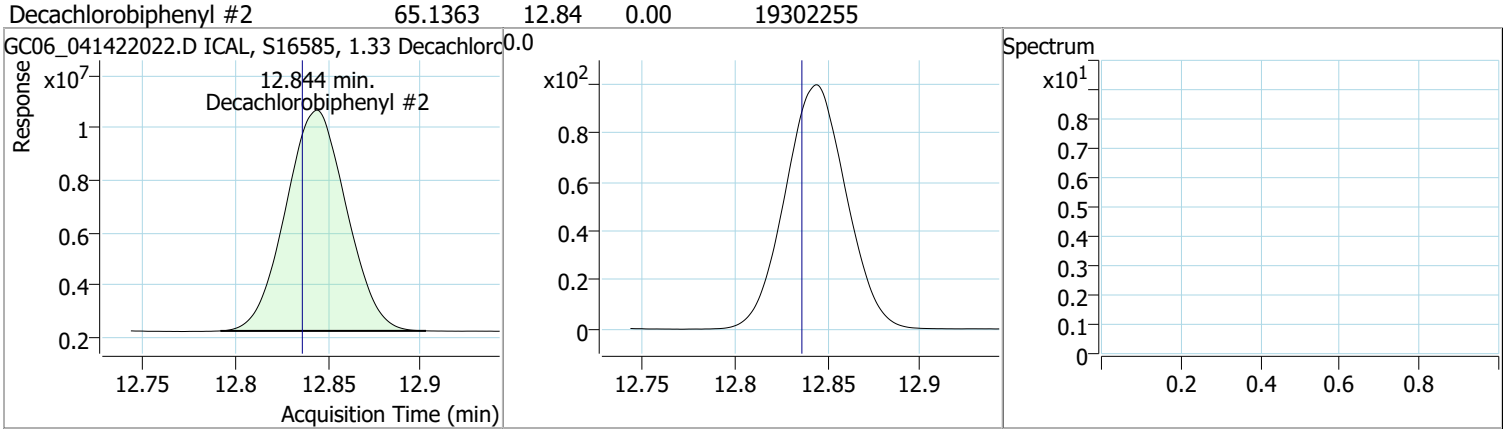
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	114.7893	11.47	0.08	28593437			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	69.1261	12.37	0.00	6789423			

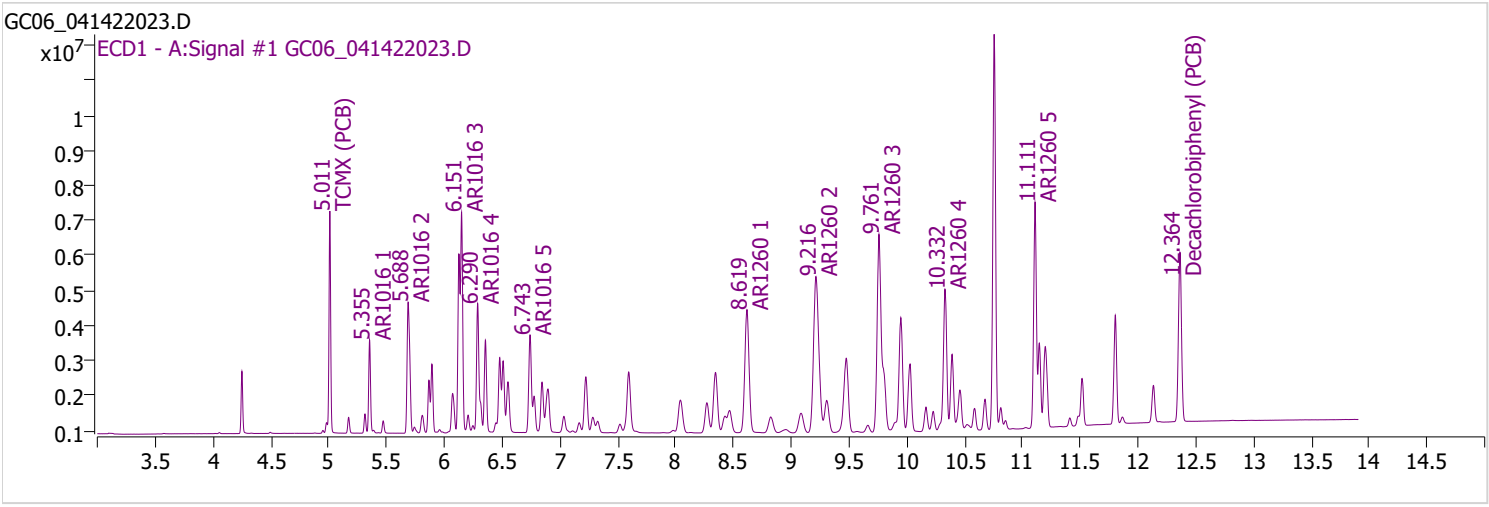


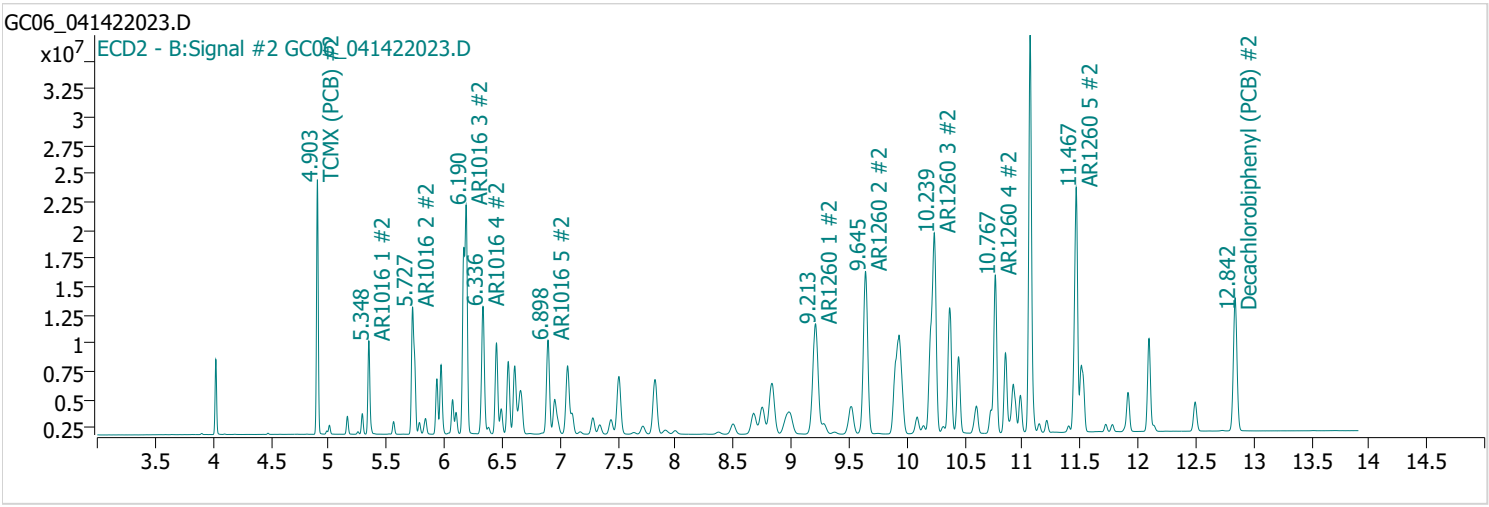
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	65.1363	12.84	0.00	19302255			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422023.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 9:01:51 PM
Sample Name	ICAL, S16585, 1	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 119	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



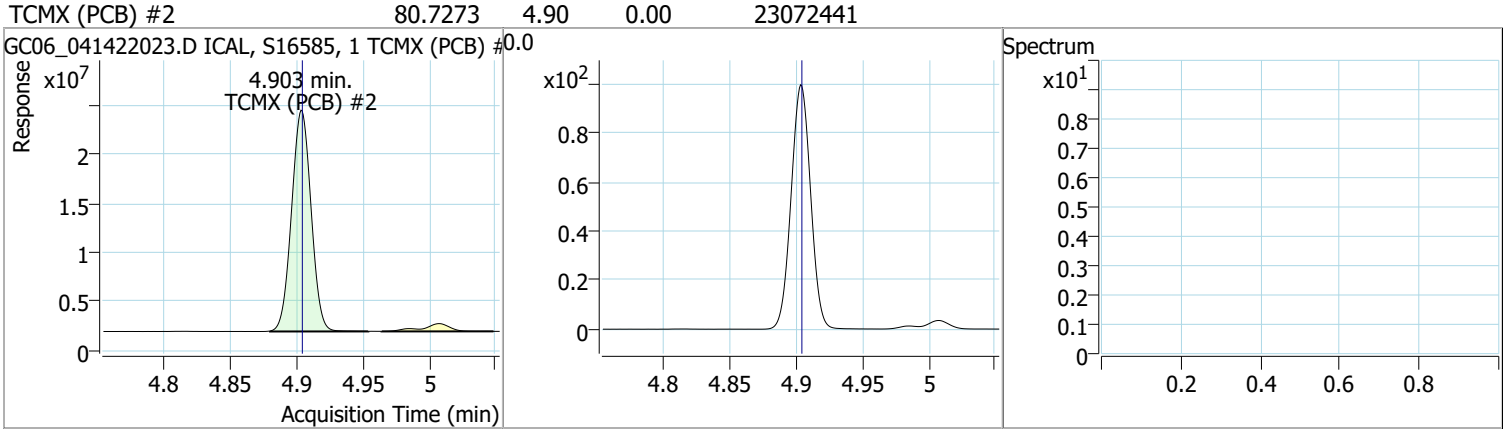


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.251	4.025	1728200	6239853	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.011	4.903	6326720	23072441	76.109	80.727	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	380.55% *	403.64% *	
S Decachlorobiphenyl (PCB)	12.364	12.842	8981647	25771825	68.352	68.446	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	341.76% *	342.23% *	
Target Compounds							
T AR1016 1	5.355	5.348	2929621	10090873	1733.008	1726.875	ng/ml
T AR1016 2	5.688	5.727	6182408	21228359	1679.632	1750.565	ng/ml
T AR1016 3	6.151	6.190	7982433	29510280 m	1842.689	1845.253	ng/ml
T AR1016 4	6.290	6.336	5804825	19279898	1790.637	1776.968	ng/ml
T AR1016 5	6.743	6.898	4390712	15286645	1750.926	1802.095	ng/ml
T AR1260 1	8.619	9.213	9121847	31736730 m	1677.209	1680.482	ng/ml
T AR1260 2	9.216	9.645	14329665	37530247	1710.621	1719.867	ng/ml
T AR1260 3	9.761	10.239	16042802 m	53137458	1842.237	1792.328	ng/ml
T AR1260 4	10.332	10.767	7597633	28812281	1754.273	1795.986	ng/ml

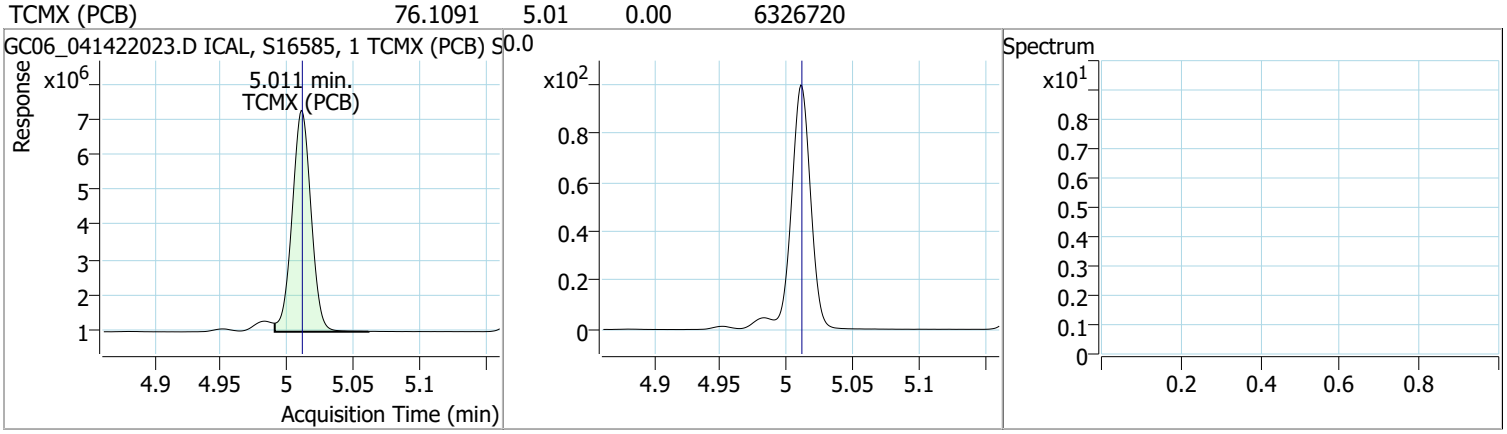
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.111	11.467	10625267	42001201	1853.637	1775.789	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

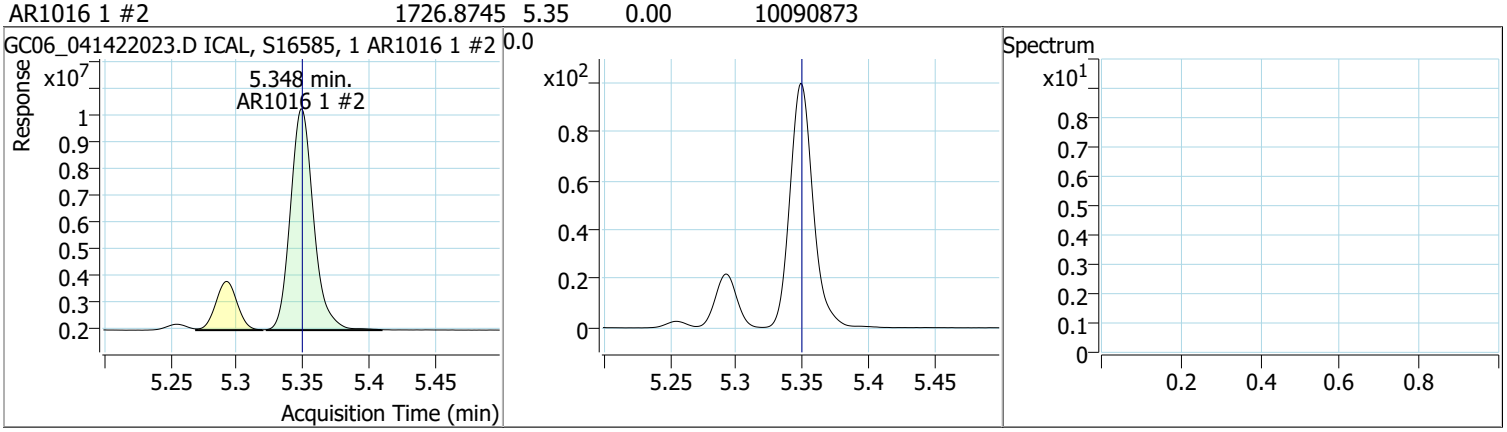
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	80.7273	4.90	0.00	23072441			



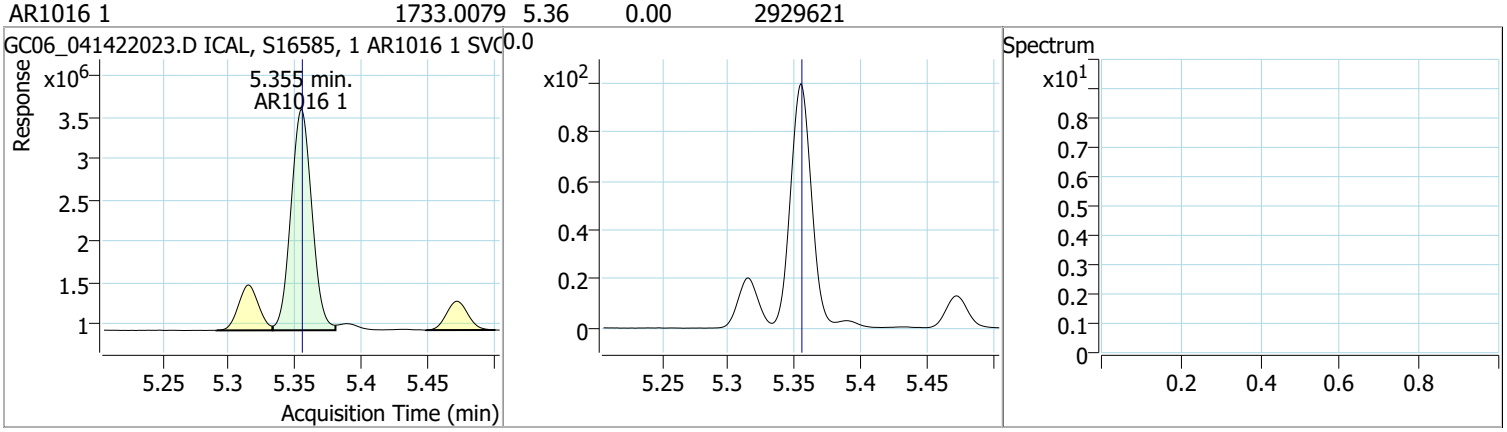
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	76.1091	5.01	0.00	6326720			



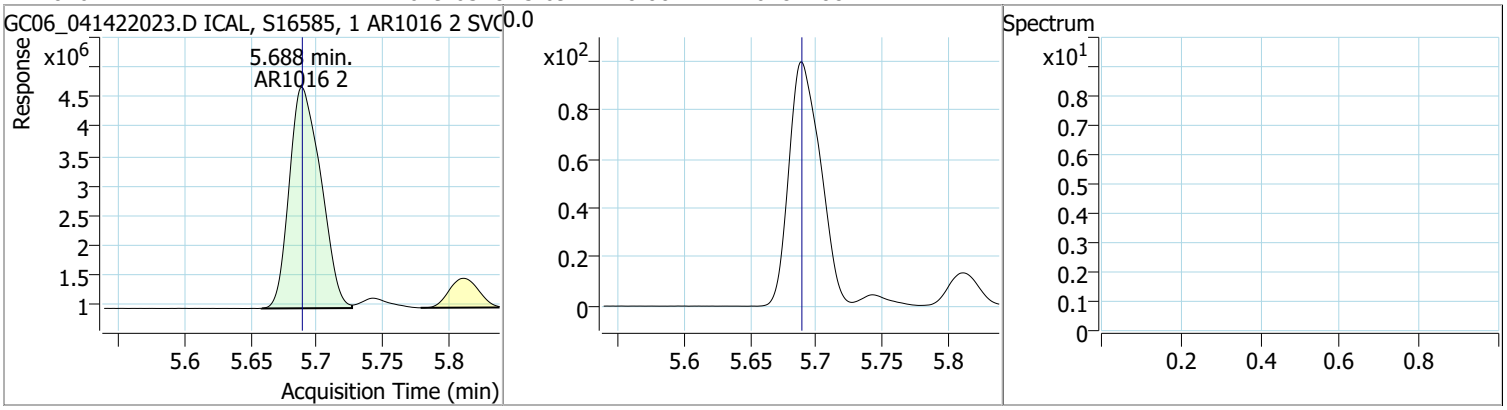
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	1726.8745	5.35	0.00	10090873			



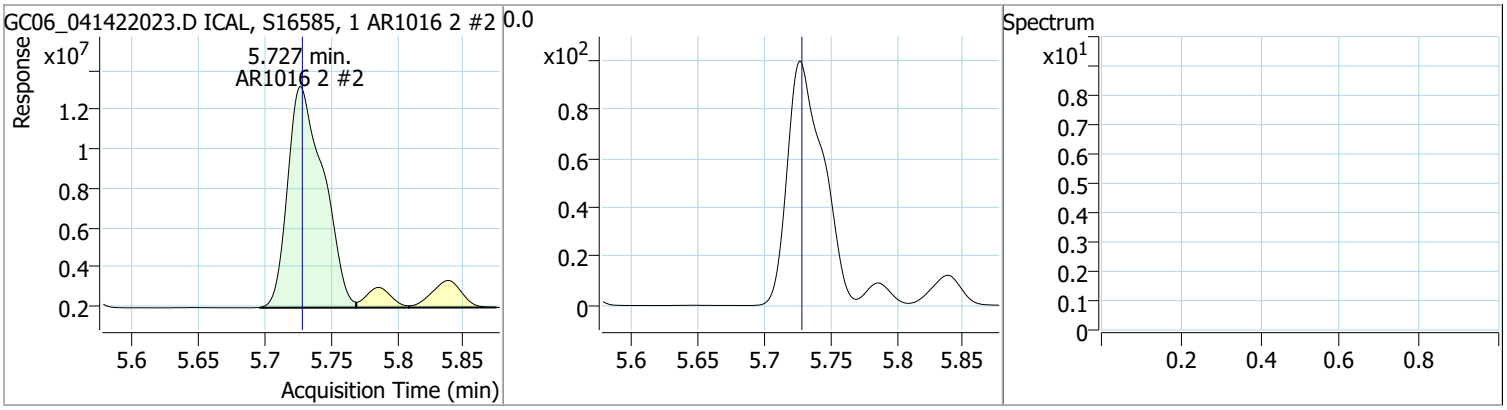
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	1733.0079	5.36	0.00	2929621			



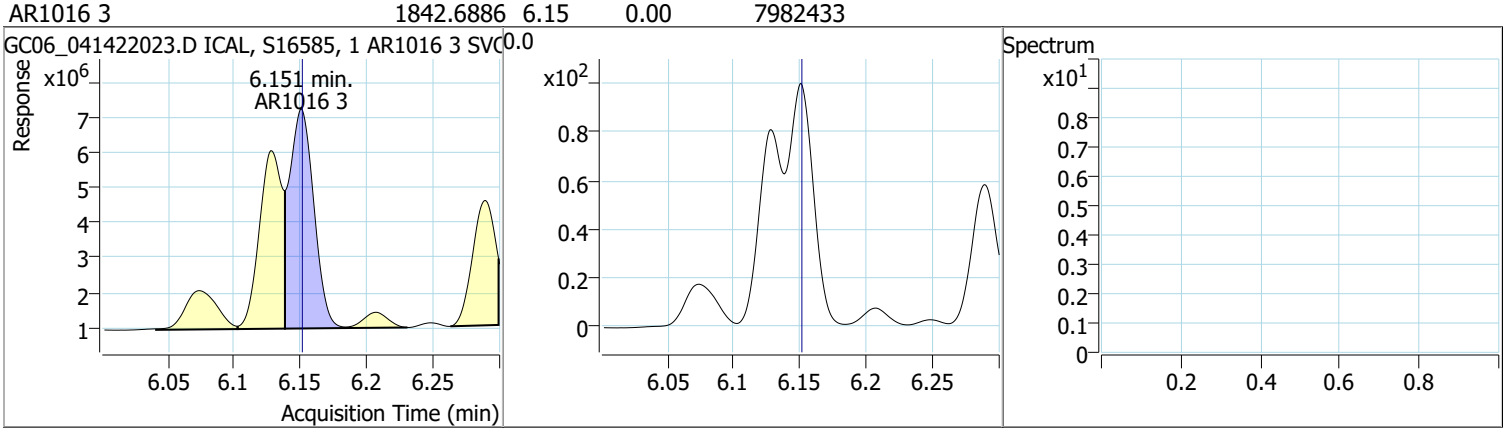
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	1679.6318	5.69	0.00	6182408			



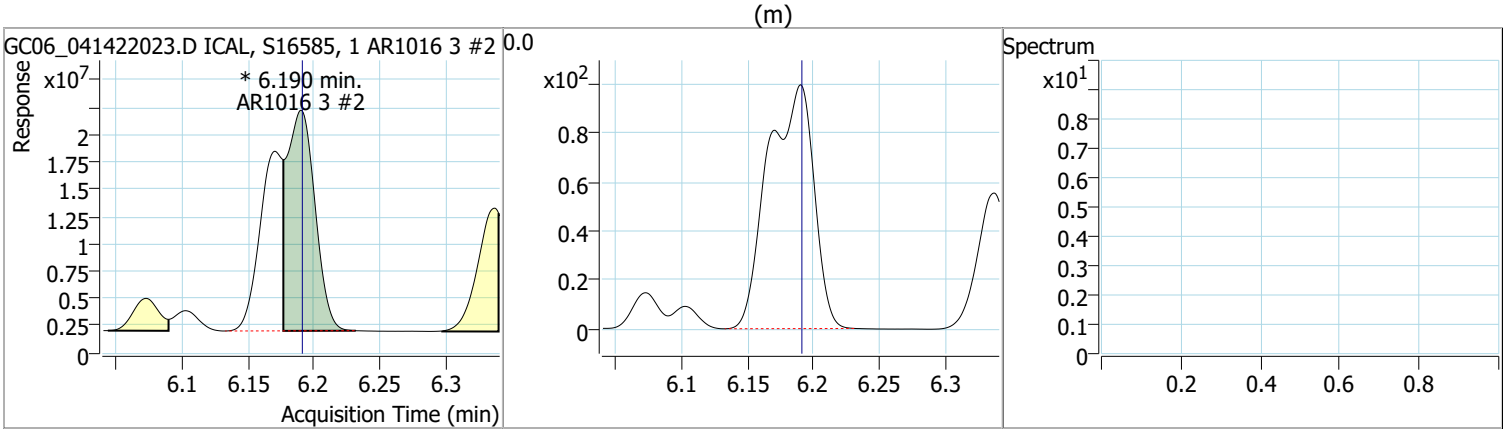
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	1750.5648	5.73	0.00	21228359			



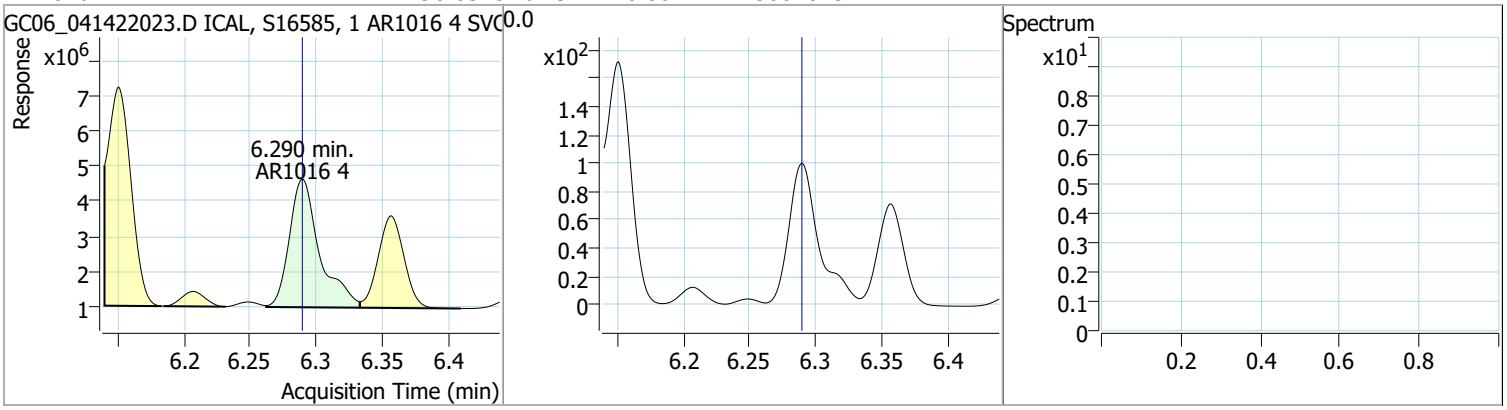
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	1842.6886	6.15	0.00	7982433			



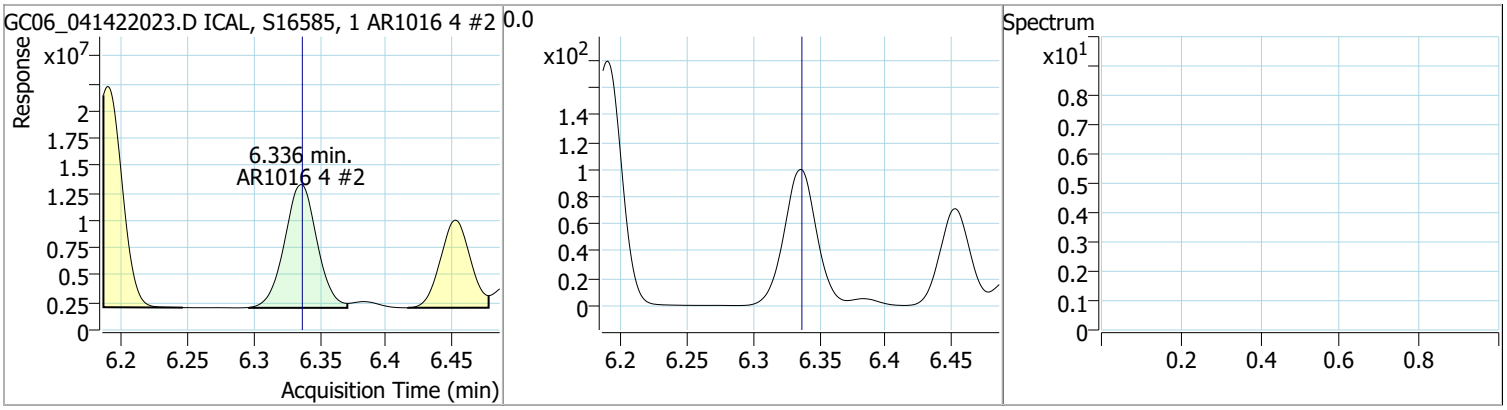
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	1845.2535	6.19	0.00	29510280 (m)			



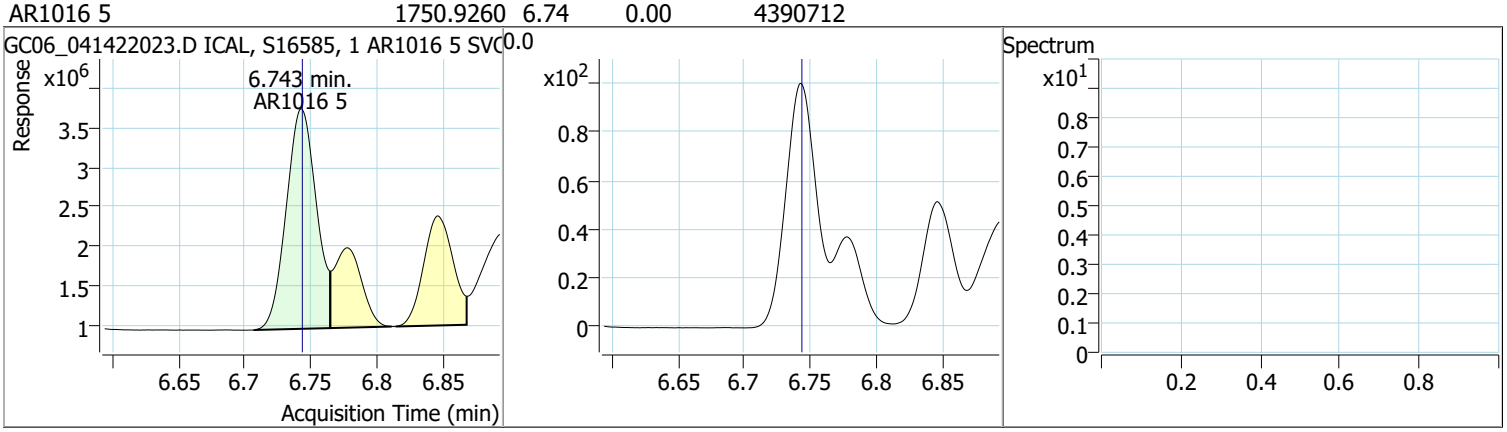
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	1790.6370	6.29	0.00	5804825			



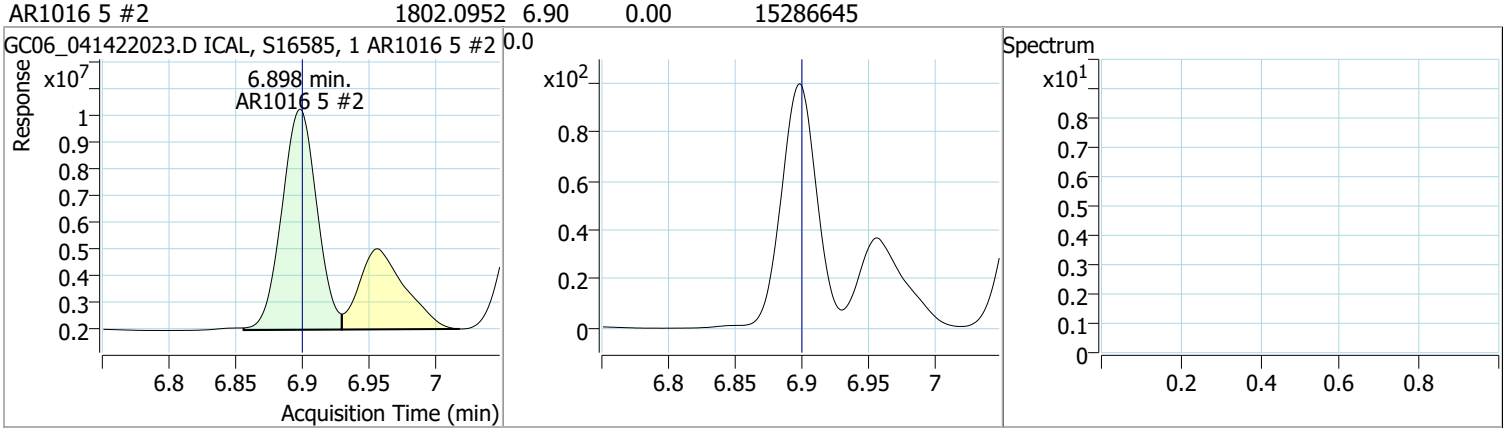
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	1776.9682	6.34	0.00	19279898			



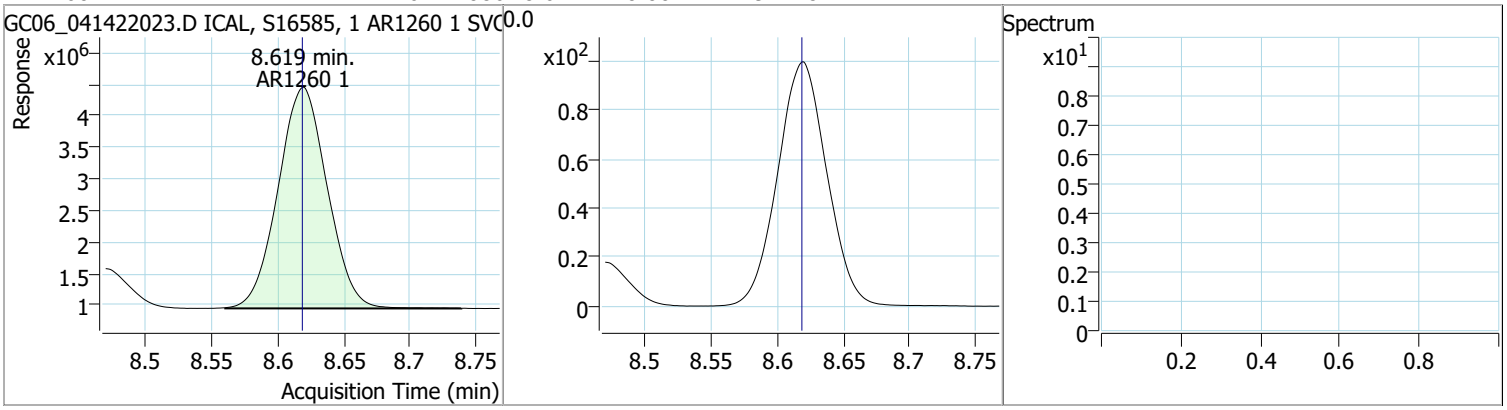
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	1750.9260	6.74	0.00	4390712			



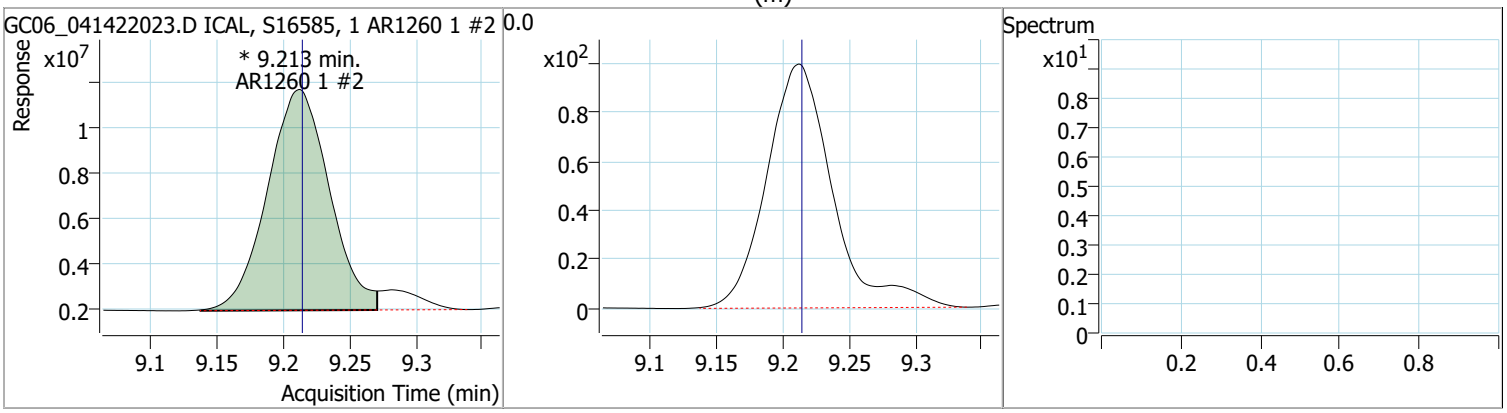
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	1802.0952	6.90	0.00	15286645			



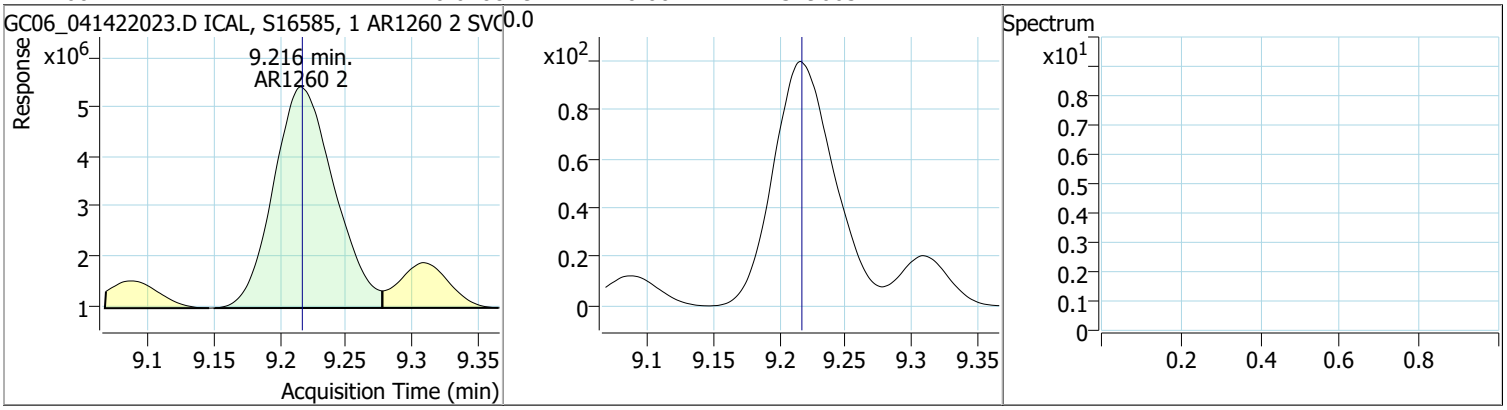
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	1677.2086	8.62	0.00	9121847			



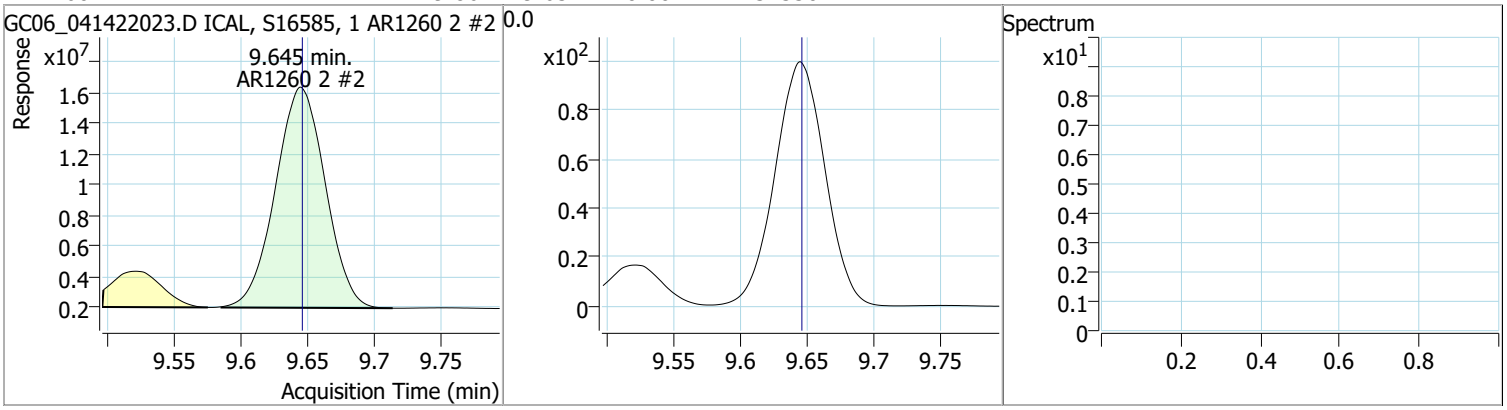
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	1680.4825	9.21	0.00	31736730 (m)			



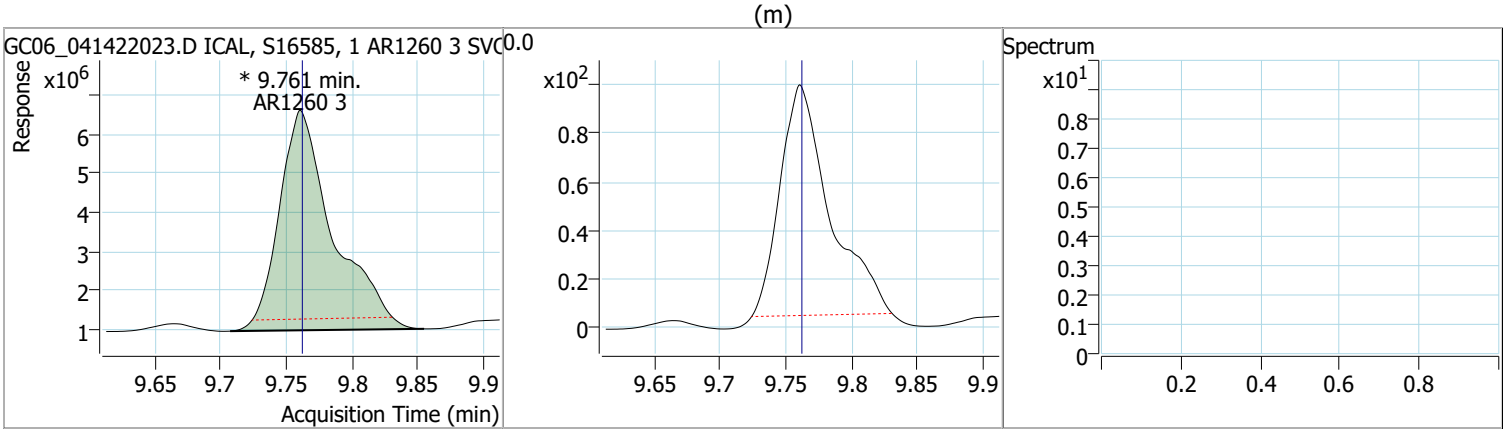
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	1710.6208	9.22	0.00	14329665			



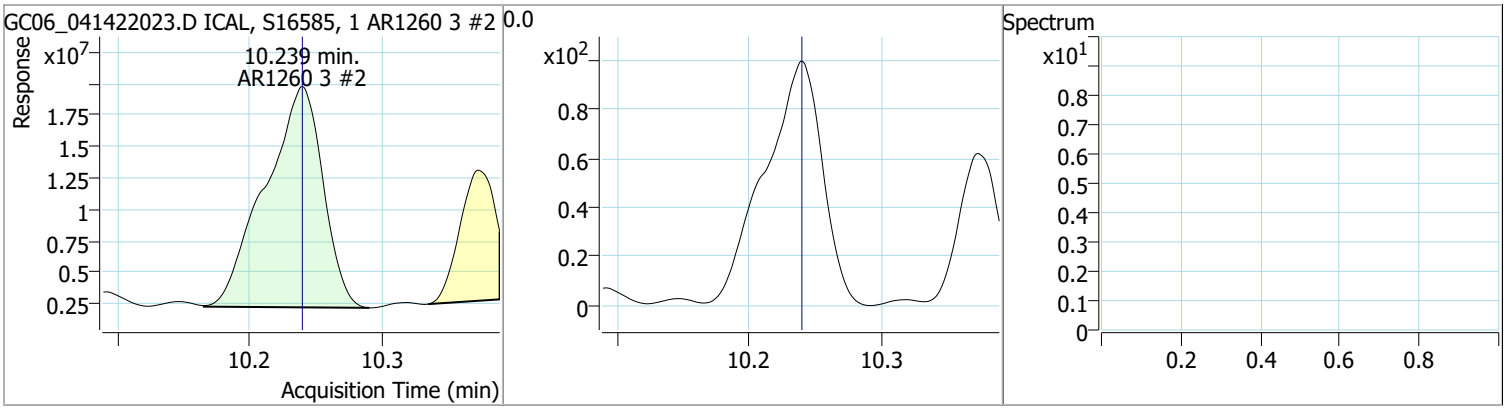
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	1719.8671	9.65	0.00	37530247			



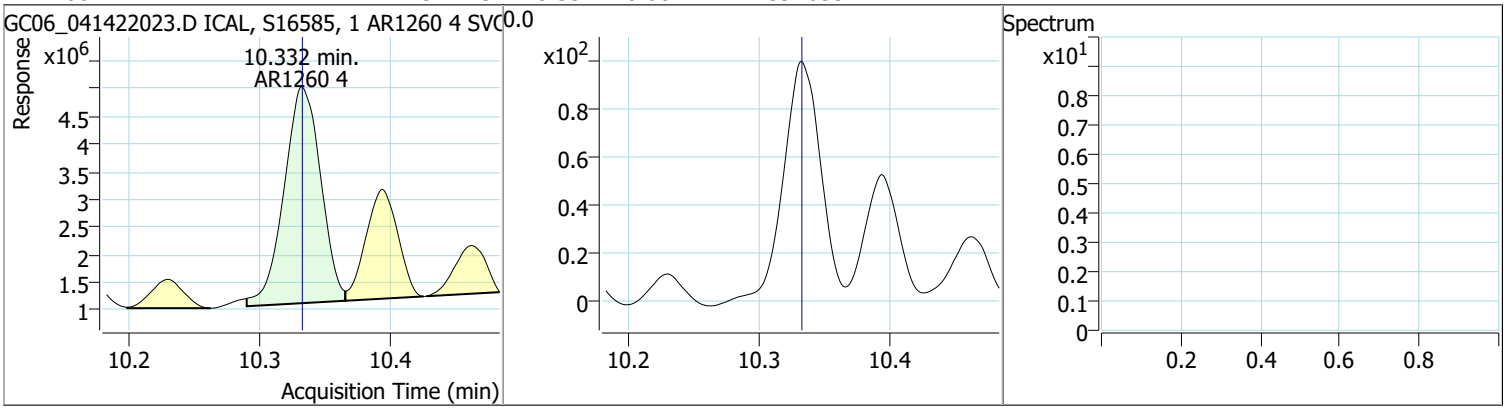
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	1842.2370	9.76	0.00	16042802 (m)			



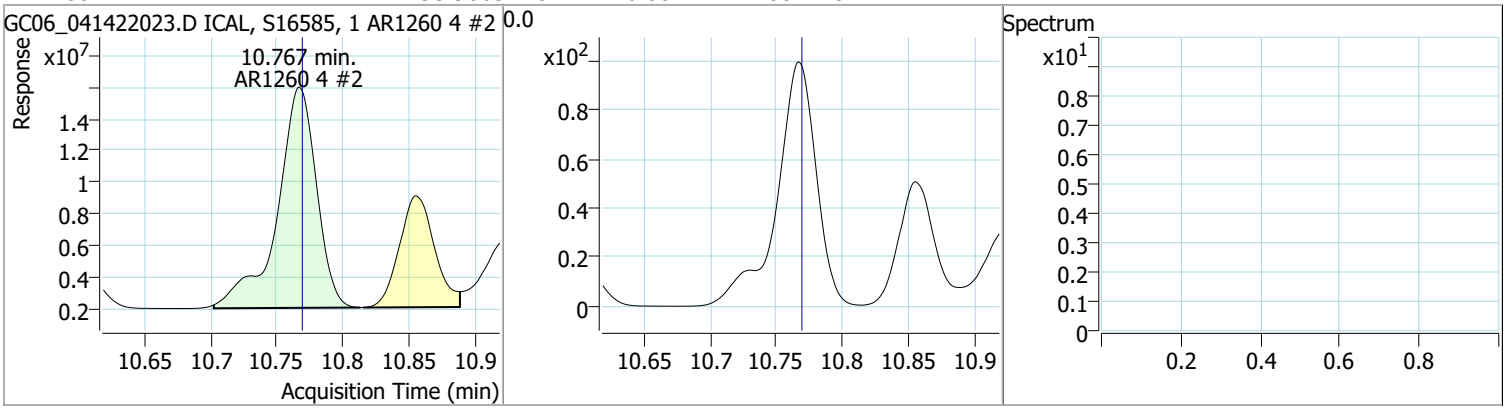
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	1792.3281	10.24	0.00	53137458			



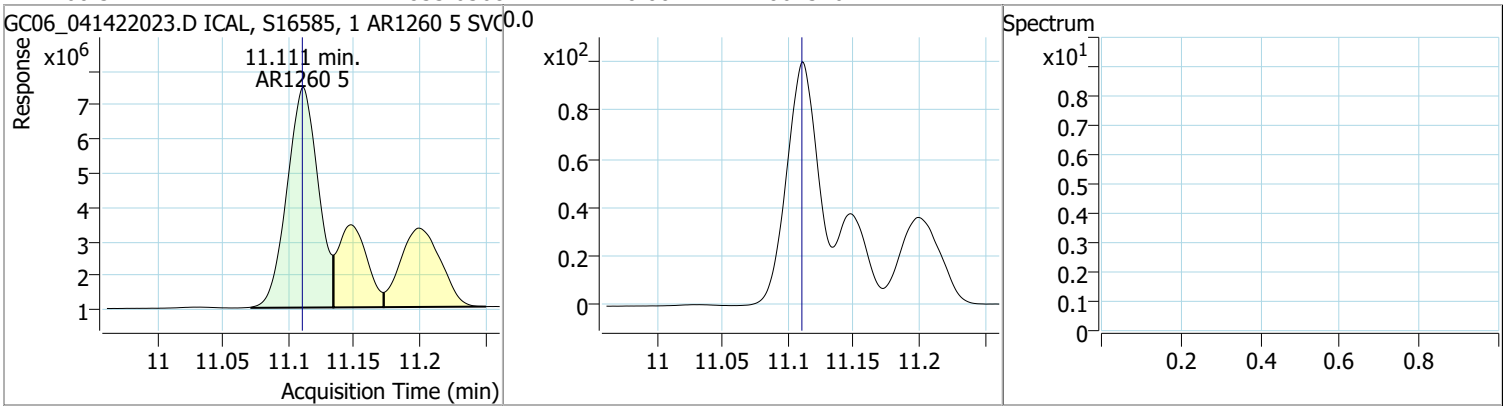
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	1754.2734	10.33	0.00	7597633			



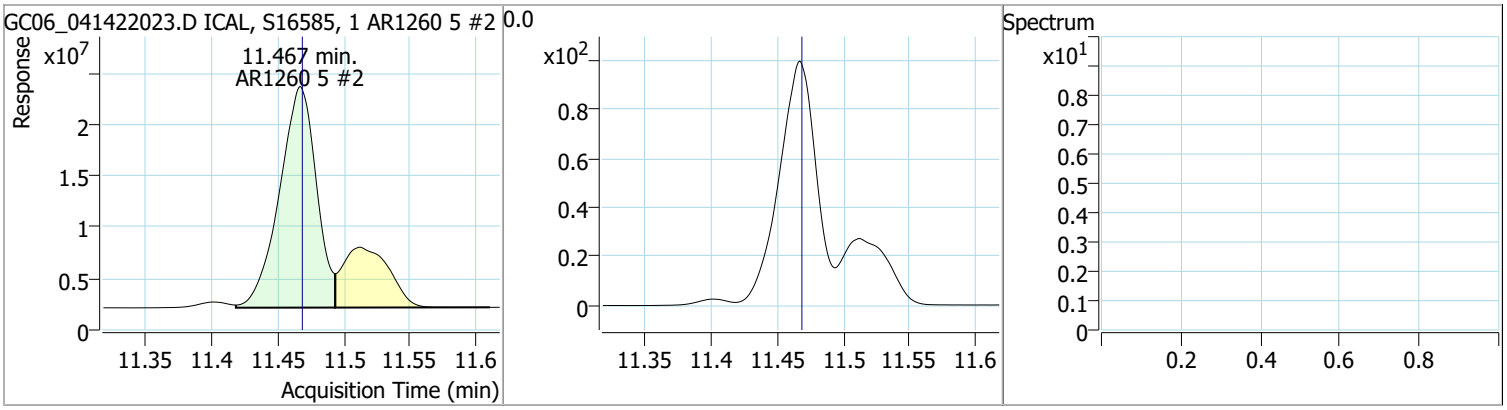
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	1795.9863	10.77	0.00	28812281			



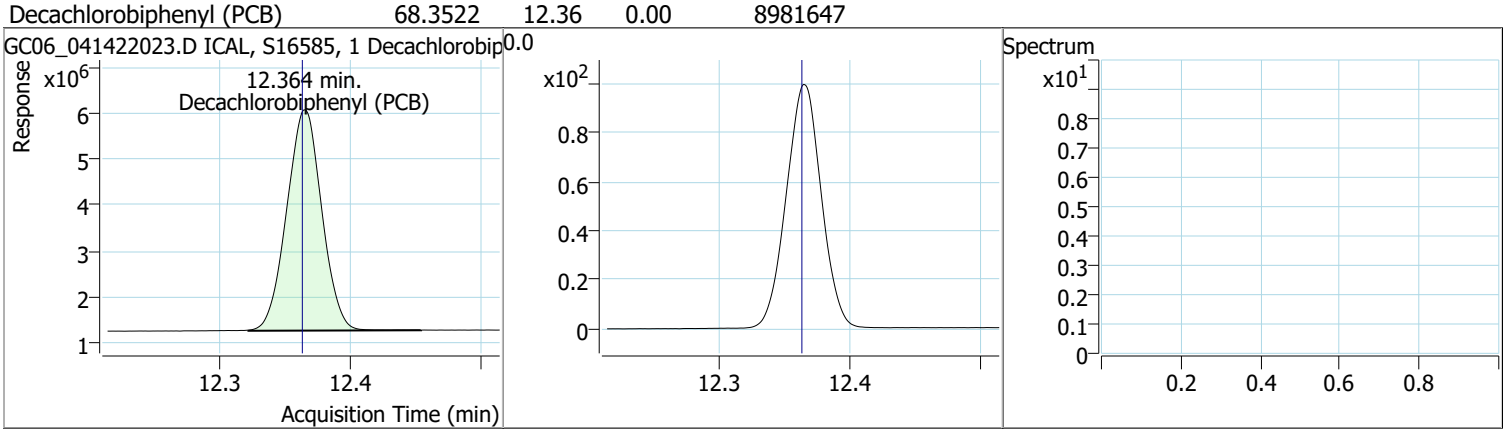
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	1853.6368	11.11	0.00	10625267			



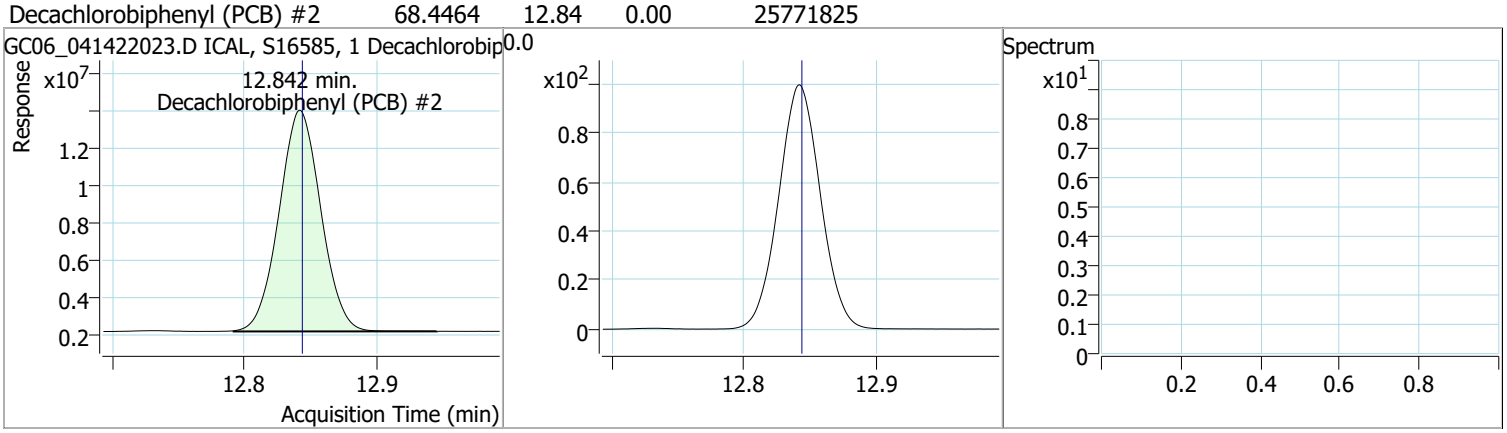
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	1775.7895	11.47	0.00	42001201			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	68.3522	12.36	0.00	8981647			

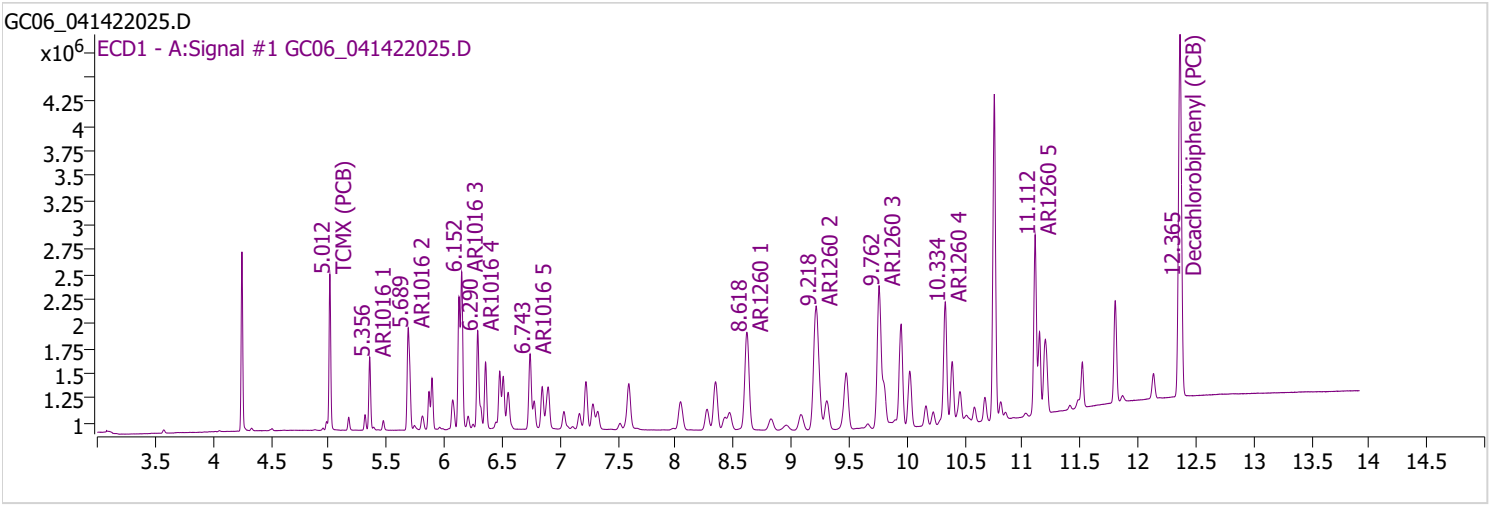


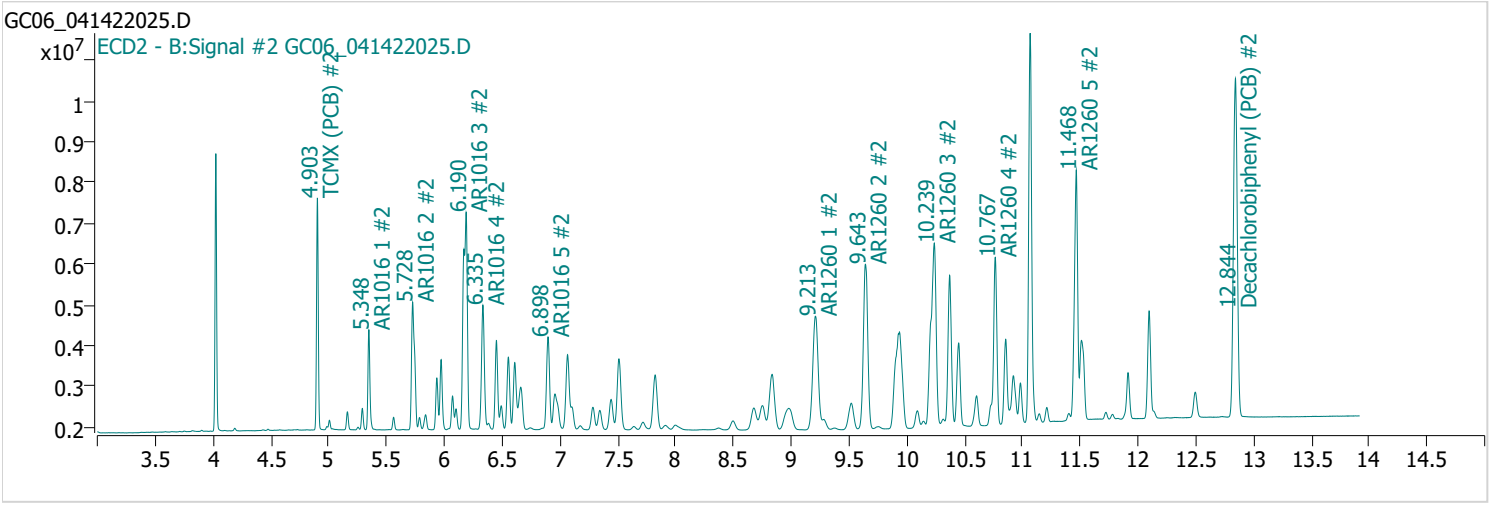
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	68.4464	12.84	0.00	25771825			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422025.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 9:37:00 PM
Sample Name	ICV, S16736	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 120	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



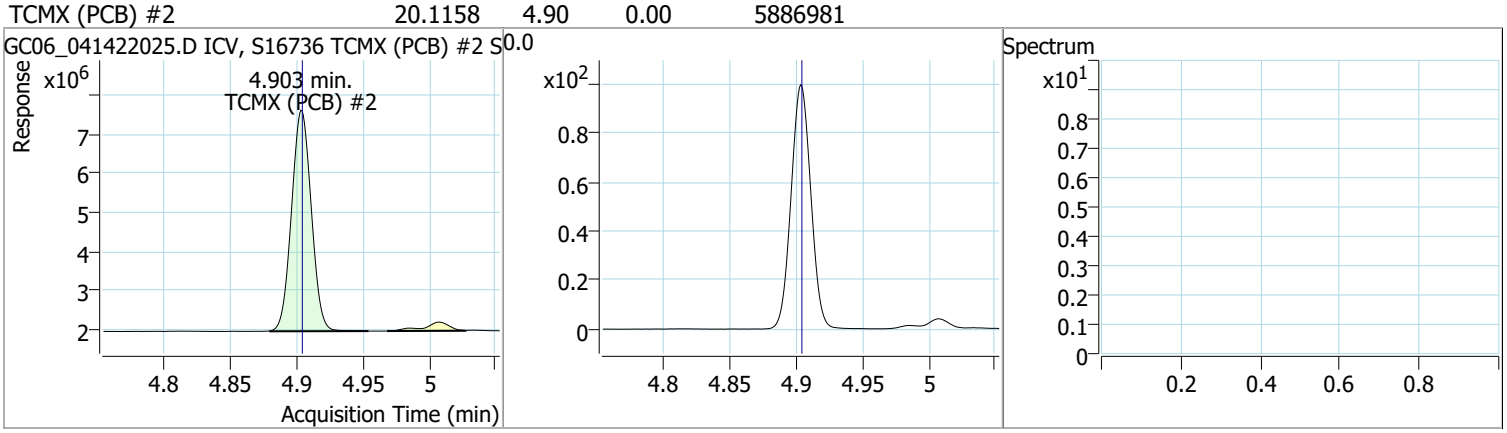


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.251	4.025	1762001	6389346	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.012	4.903	1651154	5886981	19.482	20.116	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	97.41%	100.58%	
S Decachlorobiphenyl (PCB)	12.365	12.844	6840009	19467064	51.055	50.492	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	255.28% *	252.46% *	
Target Compounds							
T AR1016 1	5.356	5.348	825235	2962090	478.801	495.049	ng/ml
T AR1016 2	5.689	5.728	1702995	5890904	453.793	474.419	ng/ml
T AR1016 3	6.152	6.190	2119180	7921568 m	479.813	483.740	ng/ml
T AR1016 4	6.290	6.335	1550648	5231236	469.158	470.866	ng/ml
T AR1016 5	6.743	6.898	1197333	4188169	468.312	482.178	ng/ml
T AR1260 1	8.618	9.213	2604917	9134347 m	469.771	472.354	ng/ml
T AR1260 2	9.218	9.643	4060351	10829785	475.411	484.676	ng/ml
T AR1260 3	9.762	10.239	4038416 m	13873694	454.846	457.011	ng/ml
T AR1260 4	10.334	10.767	2298126	8484126 m	520.452	516.476	ng/ml

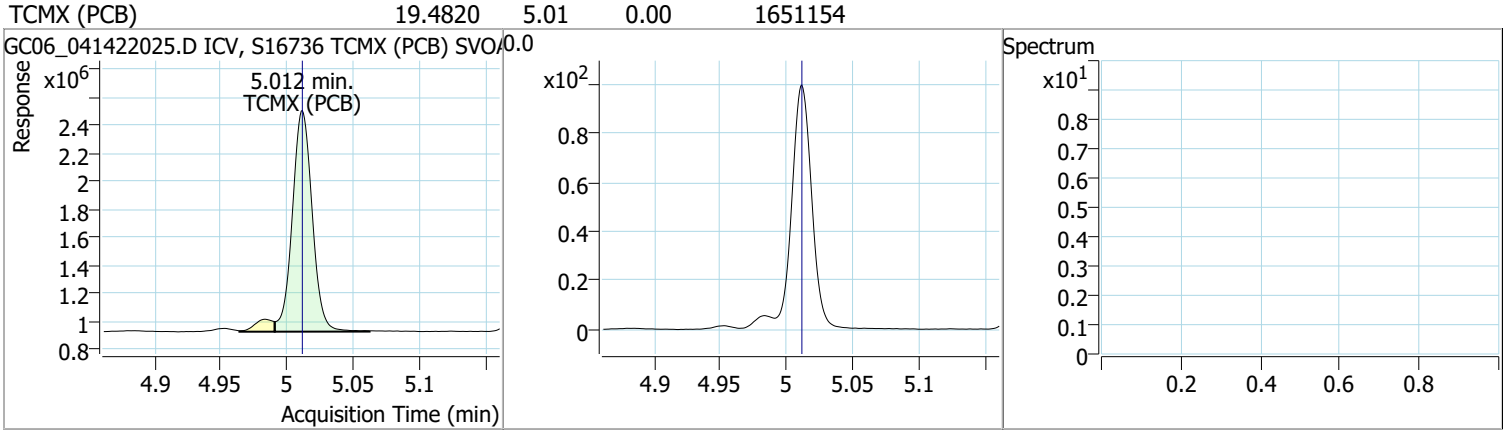
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.112	11.468	2918389	12120070	499.362	500.441	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

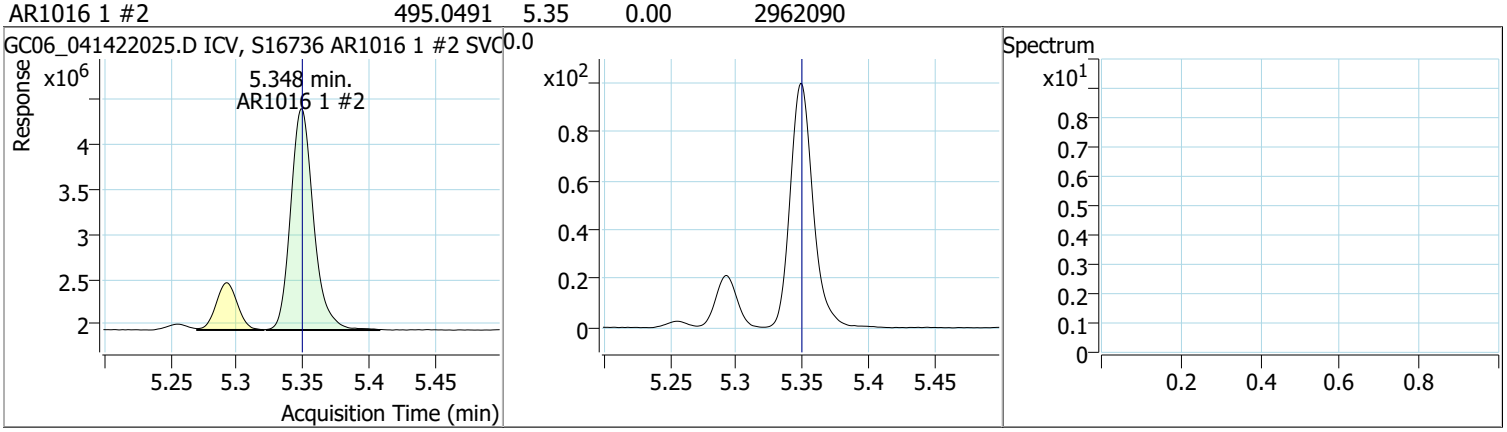
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	20.1158	4.90	0.00	5886981			



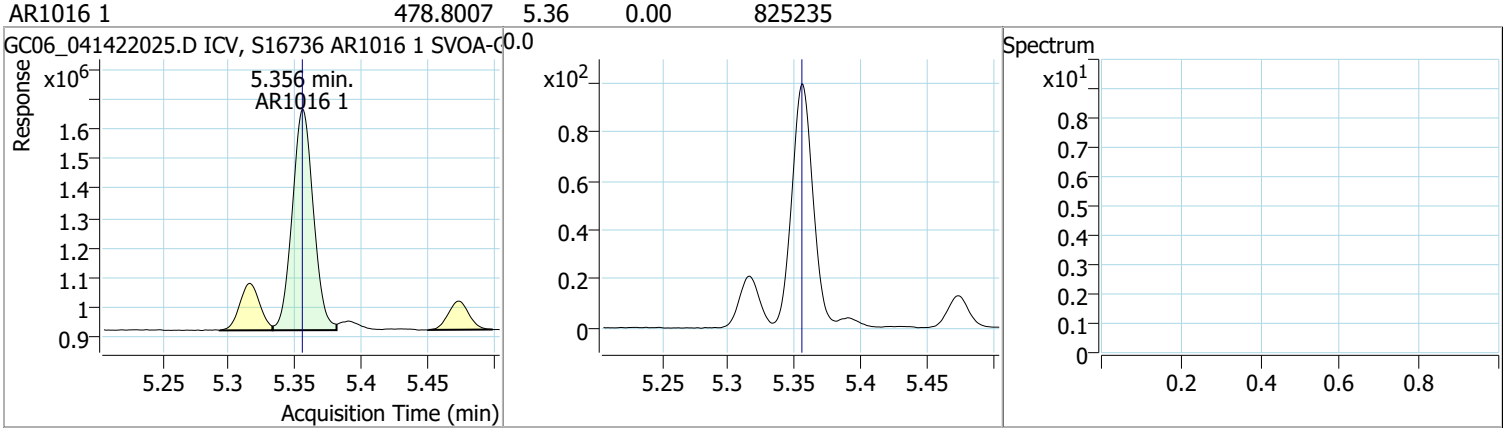
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	19.4820	5.01	0.00	1651154			



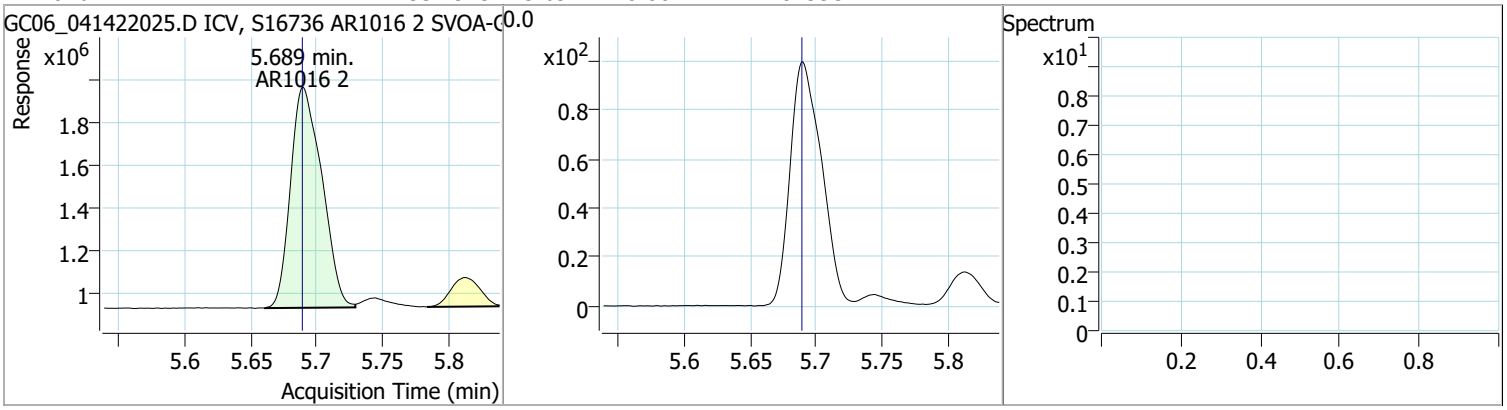
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	495.0491	5.35	0.00	2962090			



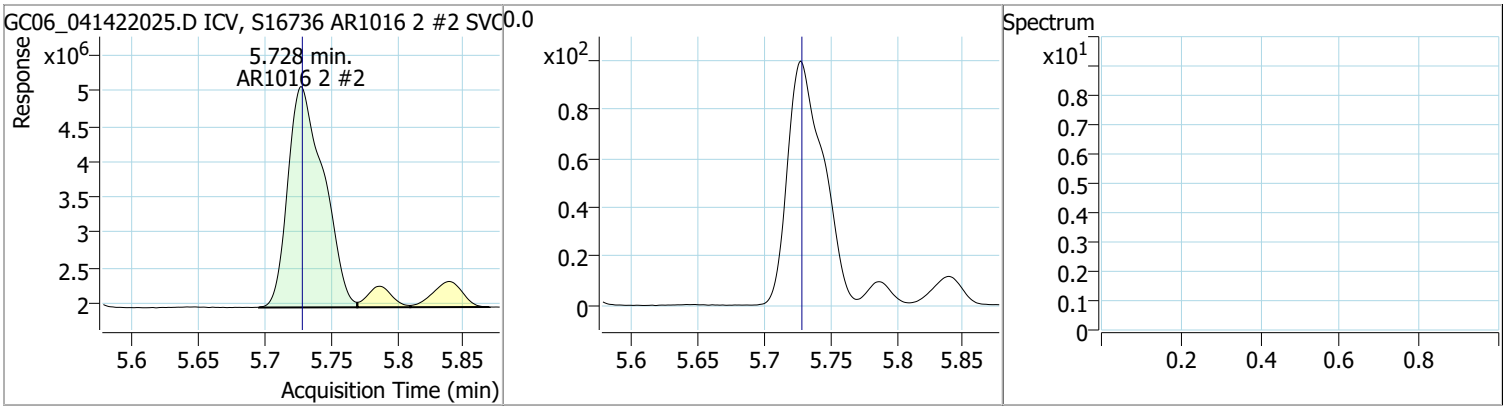
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	478.8007	5.36	0.00	825235			



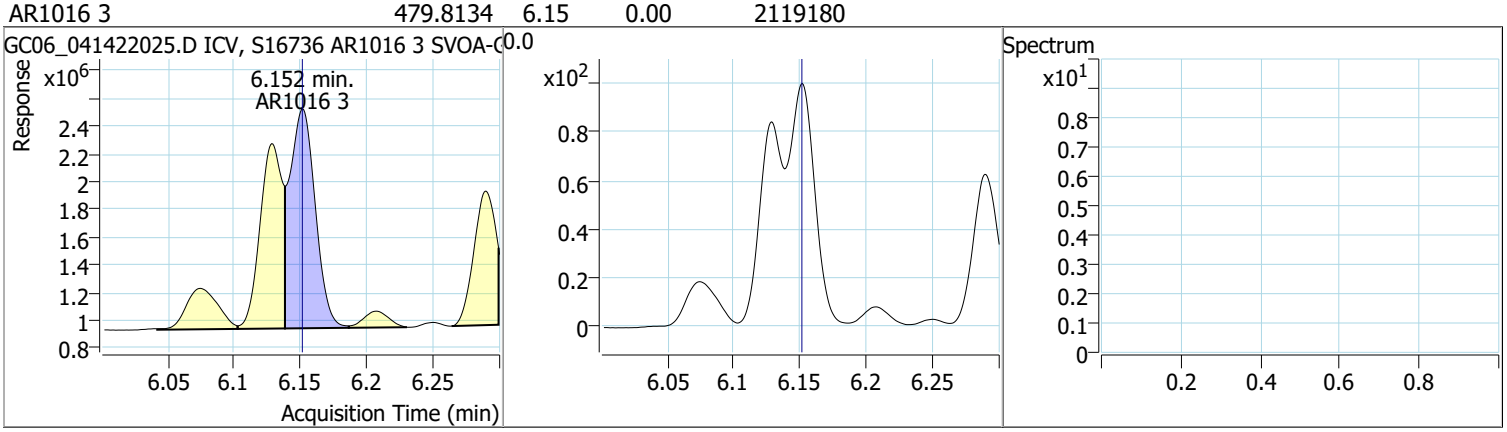
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	453.7929	5.69	0.00	1702995			



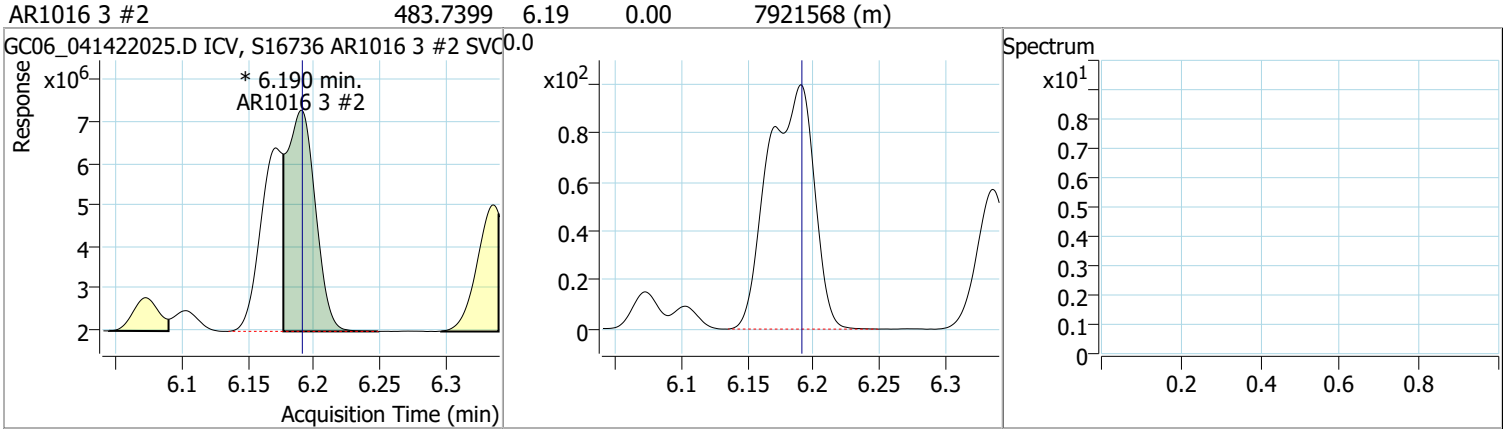
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	474.4186	5.73	0.00	5890904			



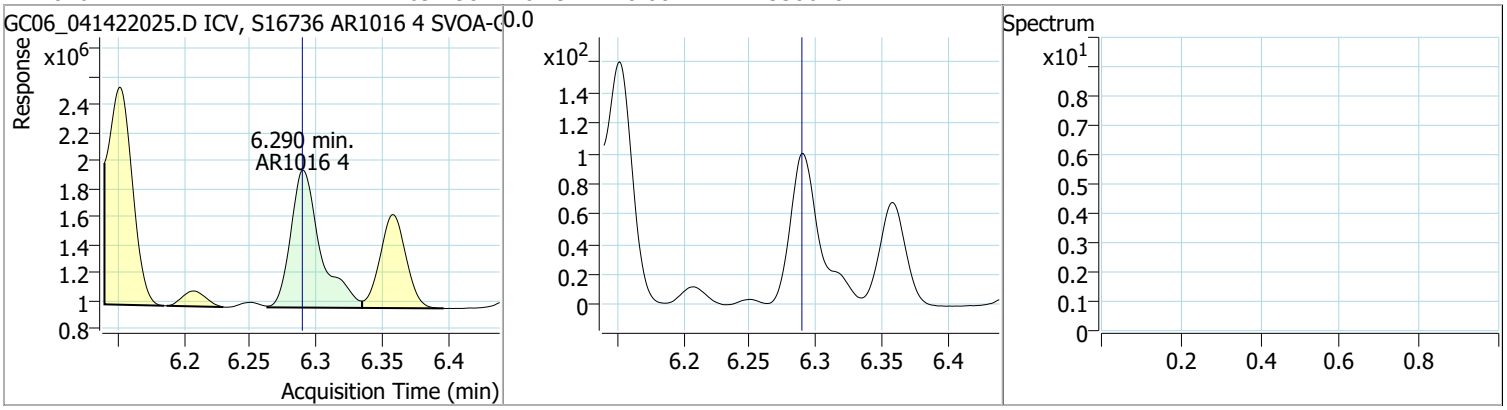
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	479.8134	6.15	0.00	2119180			



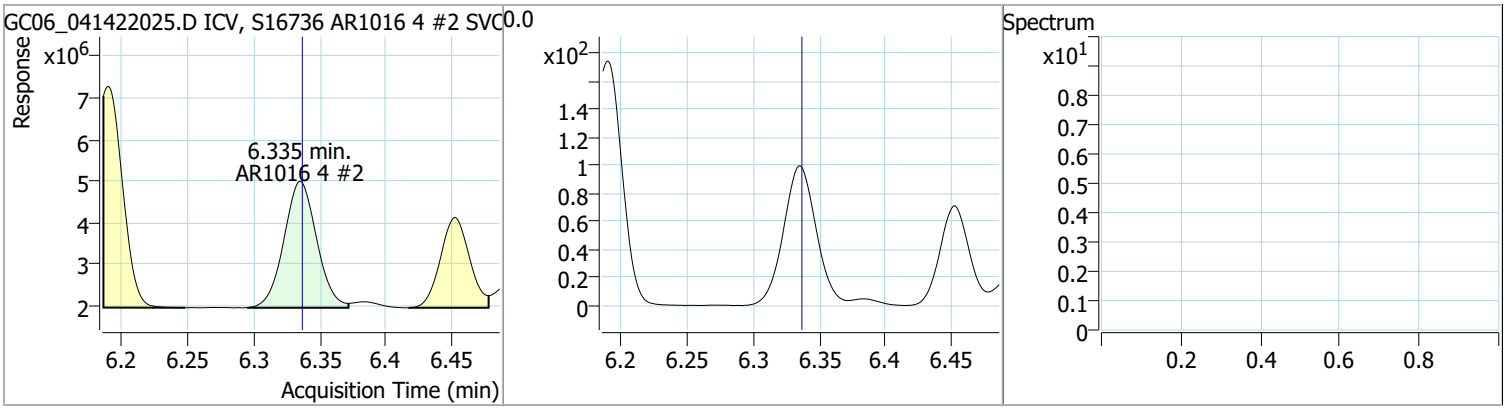
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	483.7399	6.19	0.00	7921568 (m)			



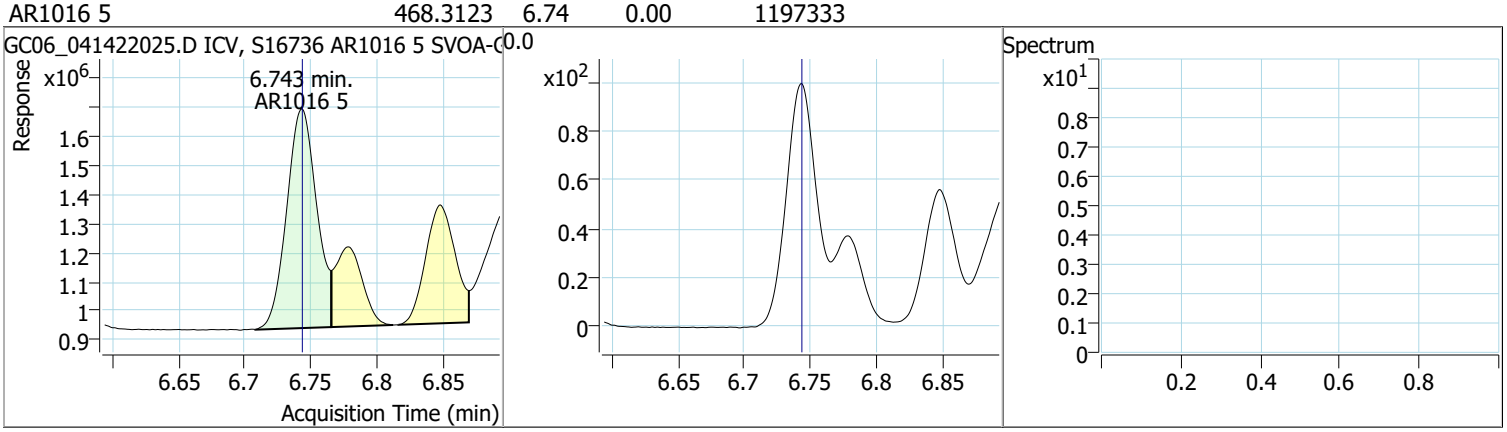
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	469.1584	6.29	0.00	1550648			



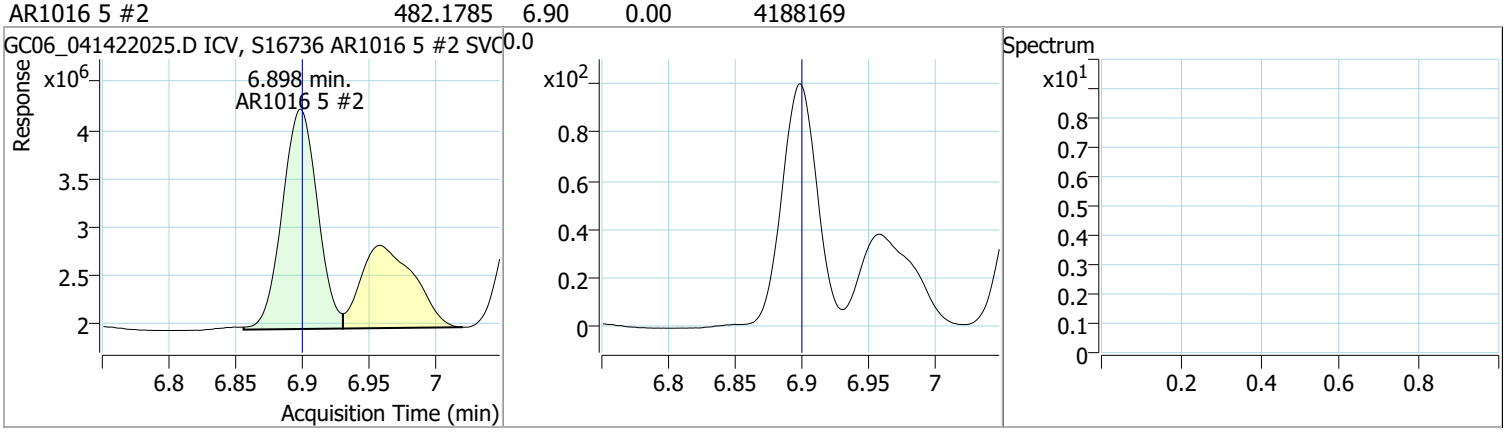
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	470.8659	6.34	0.00	5231236			



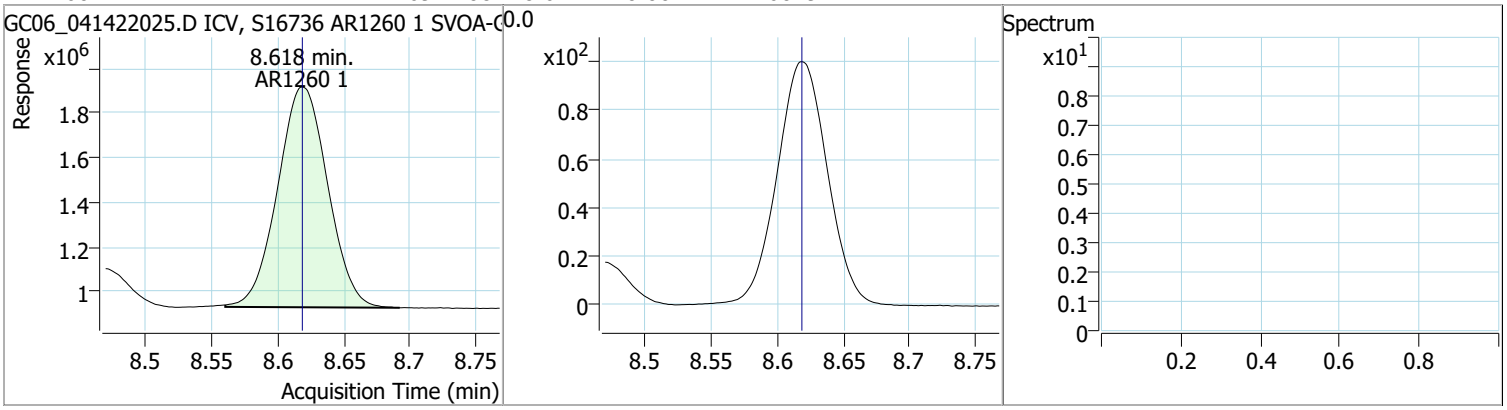
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	468.3123	6.74	0.00	1197333			



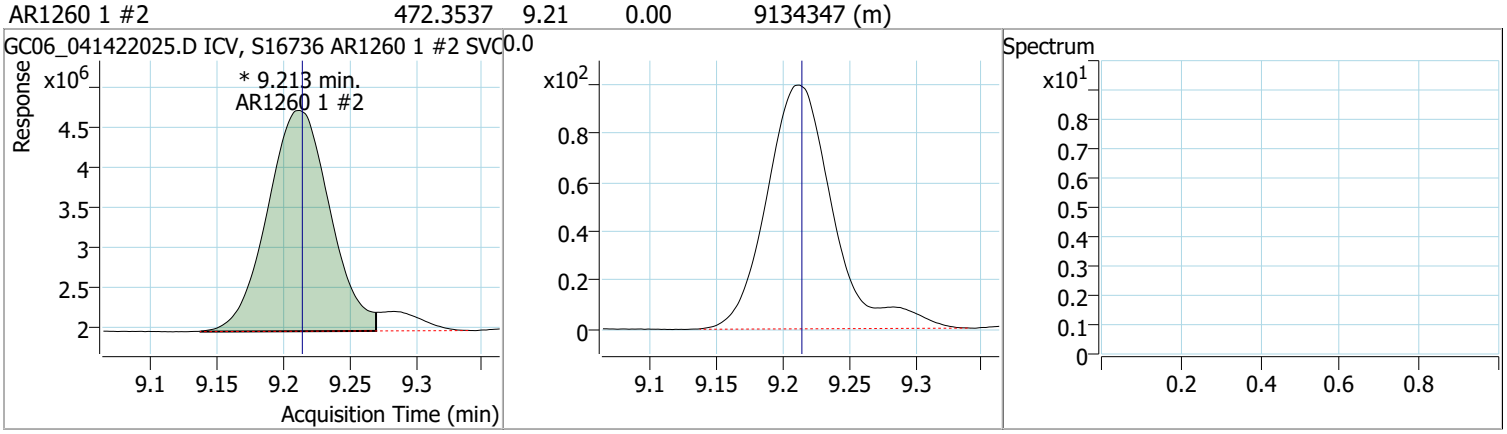
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	482.1785	6.90	0.00	4188169			



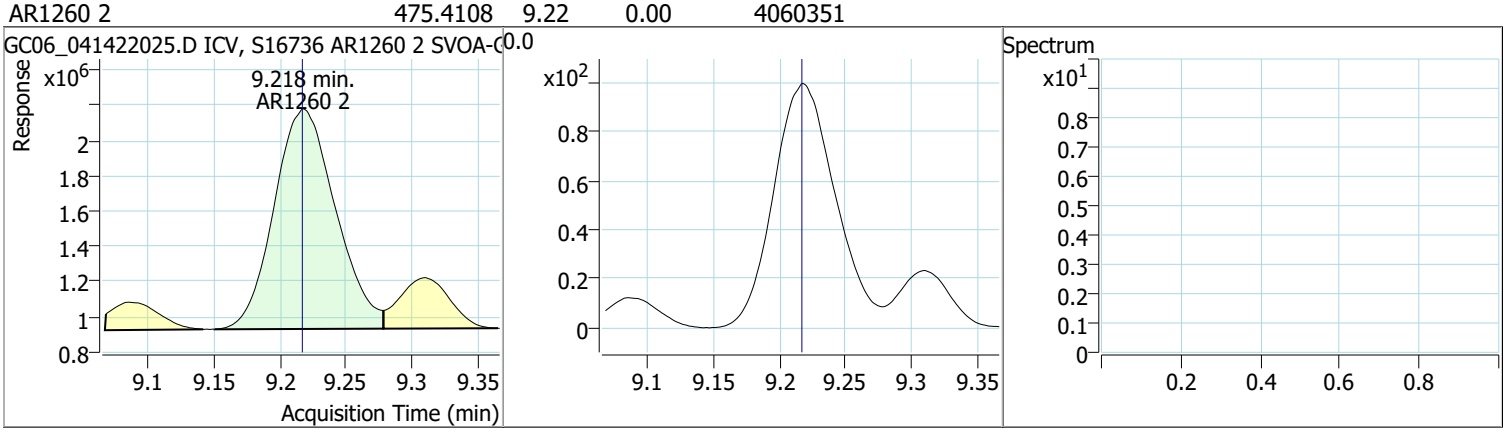
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	469.7708	8.62	0.00	2604917			



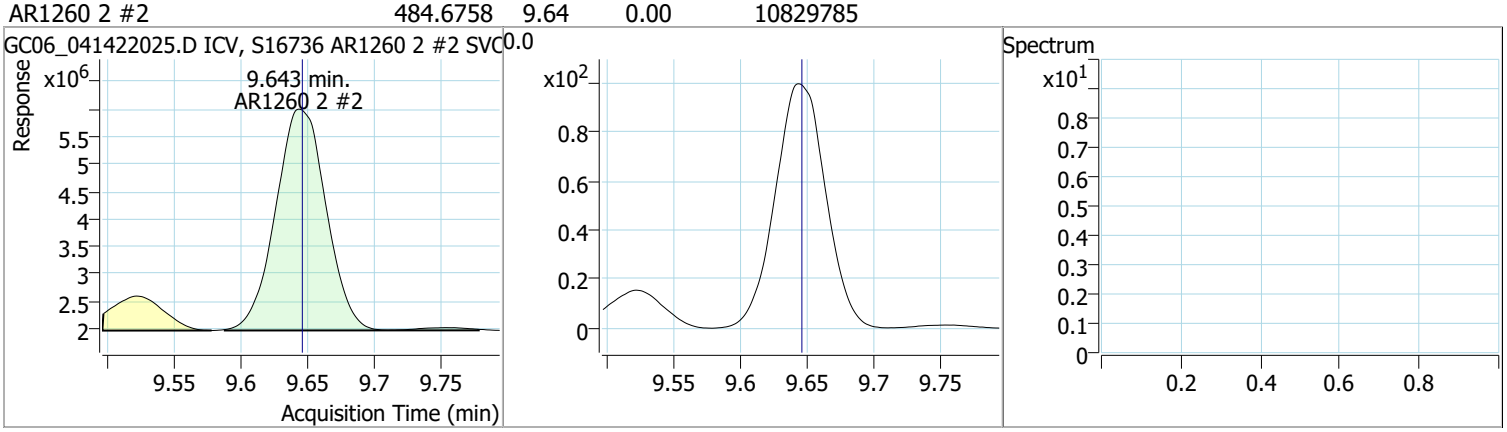
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	472.3537	9.21	0.00	9134347 (m)			



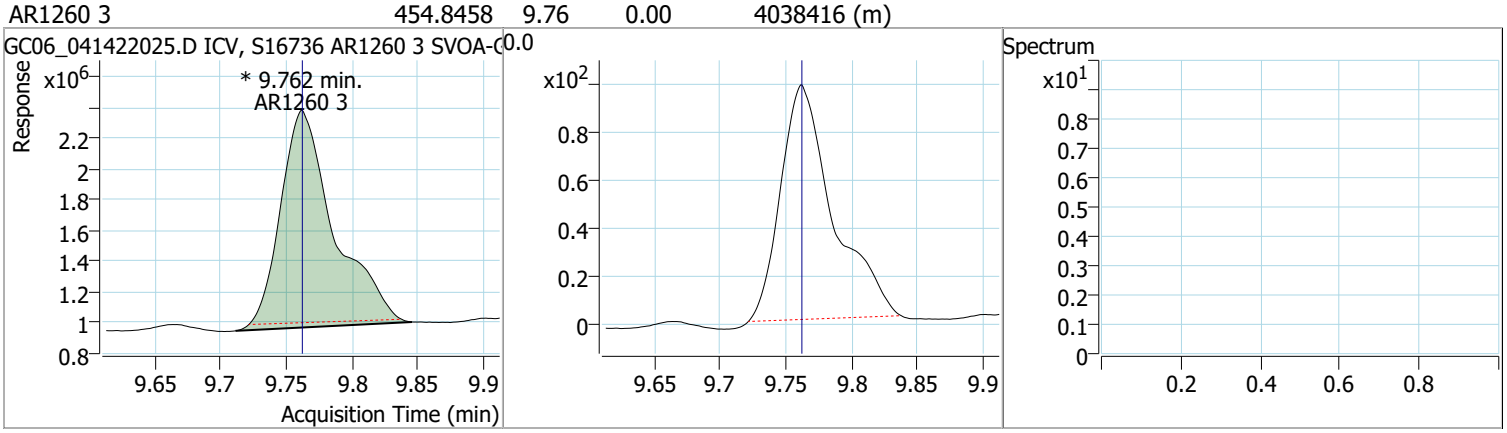
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	475.4108	9.22	0.00	4060351			



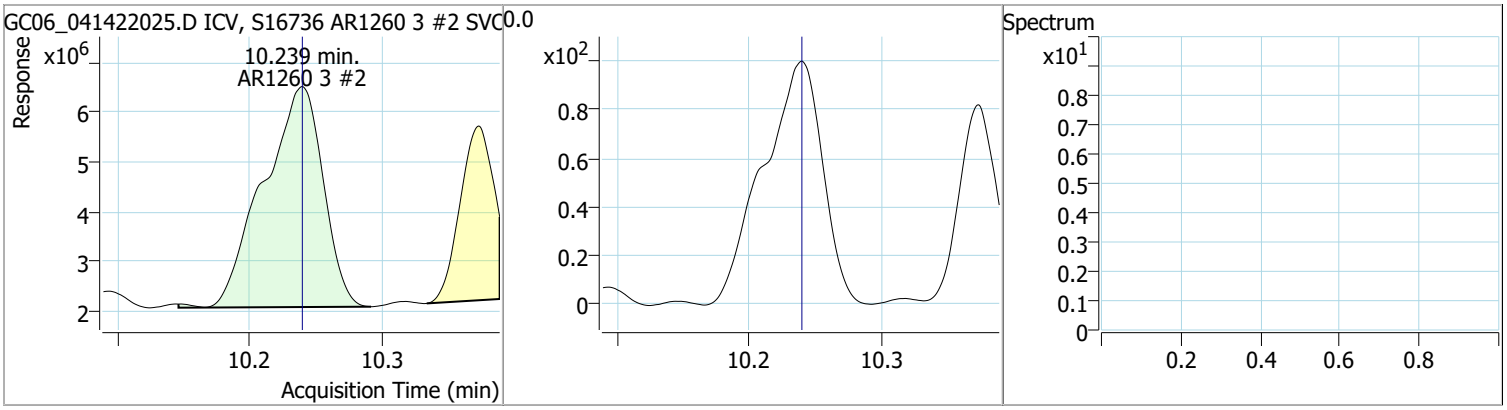
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	484.6758	9.64	0.00	10829785			



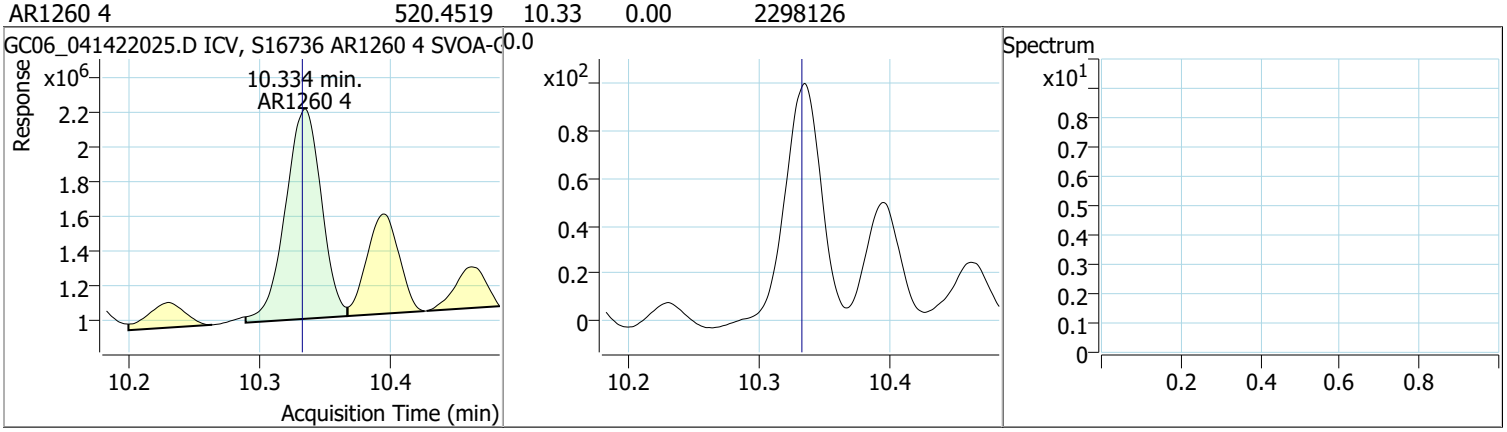
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	454.8458	9.76	0.00	4038416 (m)			



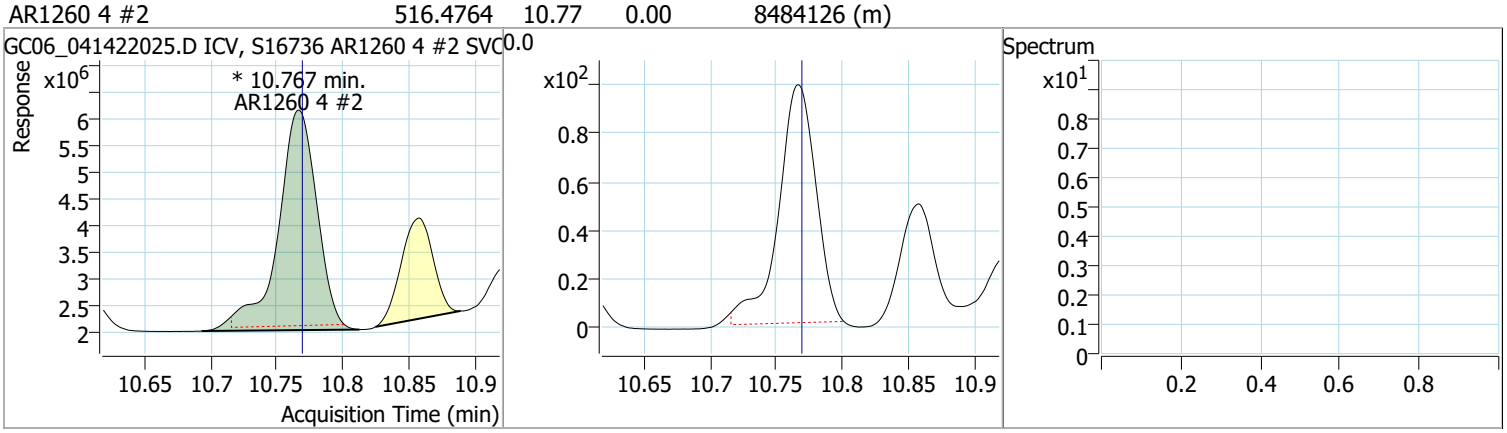
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	457.0112	10.24	0.00	13873694			



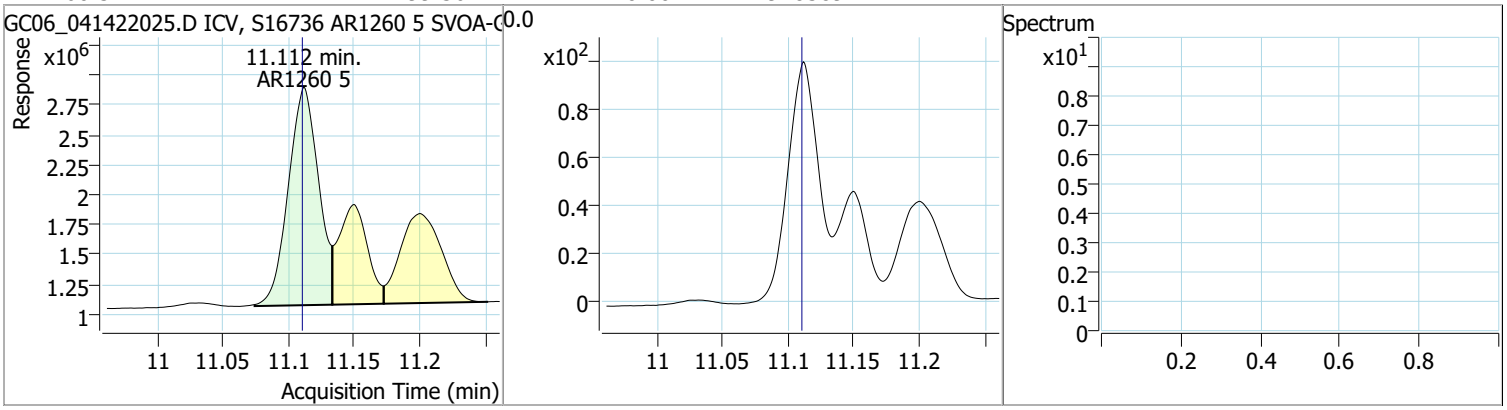
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	520.4519	10.33	0.00	2298126			



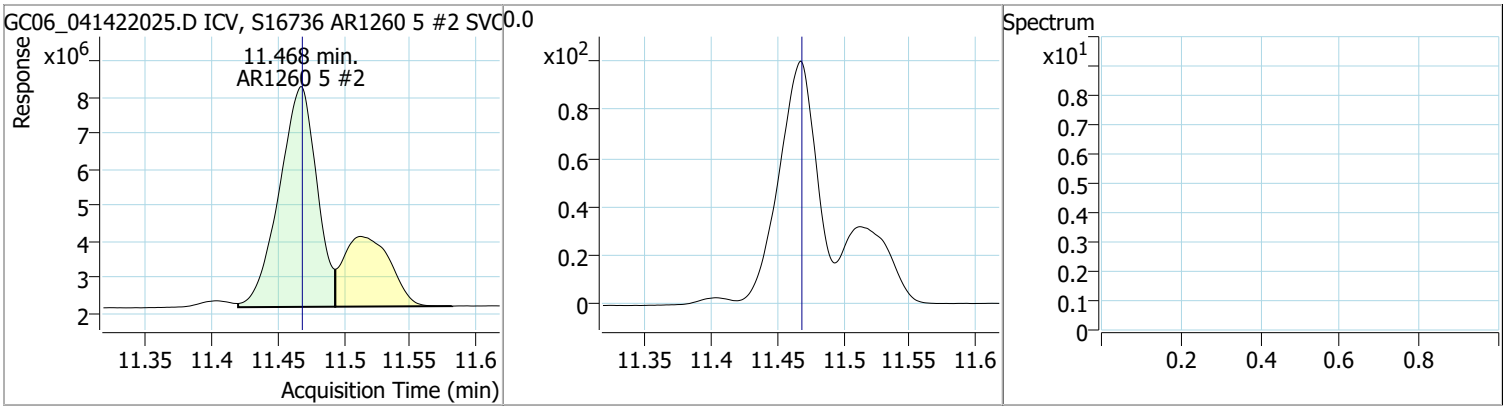
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	516.4764	10.77	0.00	8484126 (m)			



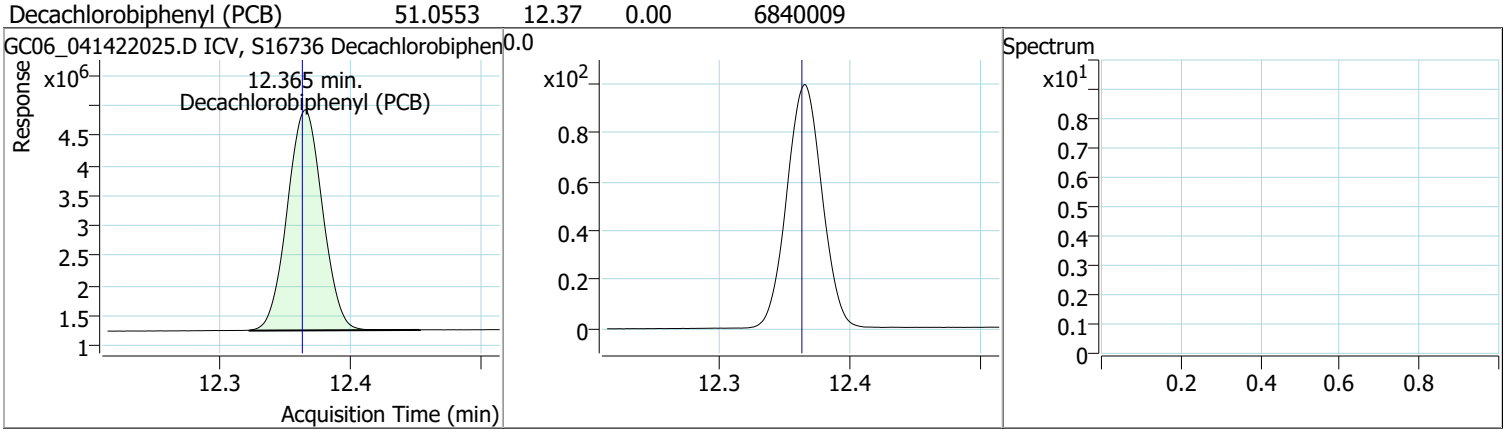
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	499.3624	11.11	0.00	2918389			



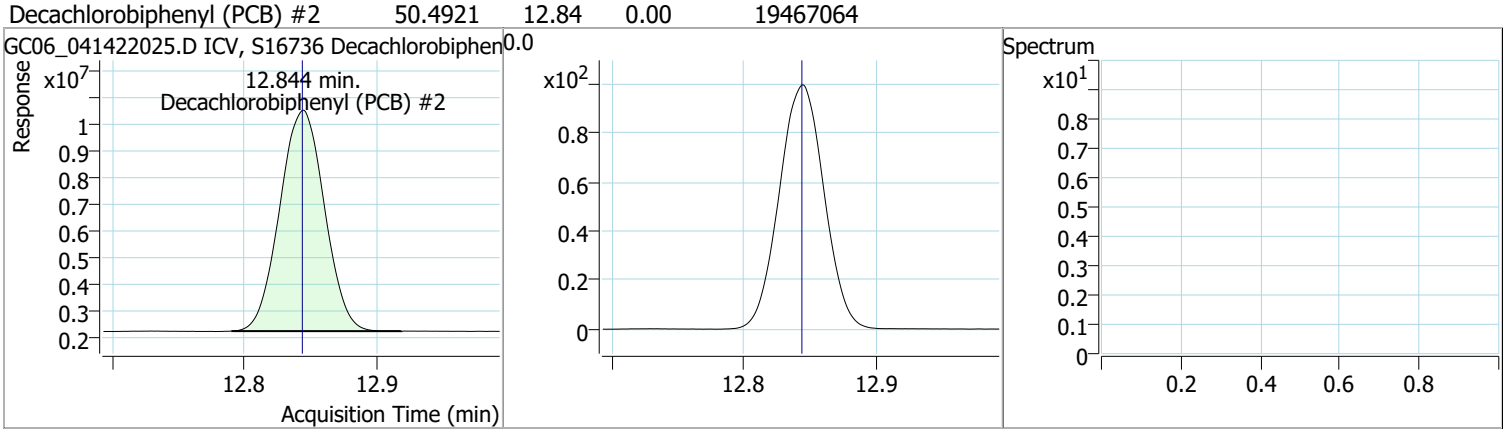
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	500.4410	11.47	0.00	12120070			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	51.0553	12.37	0.00	6840009			

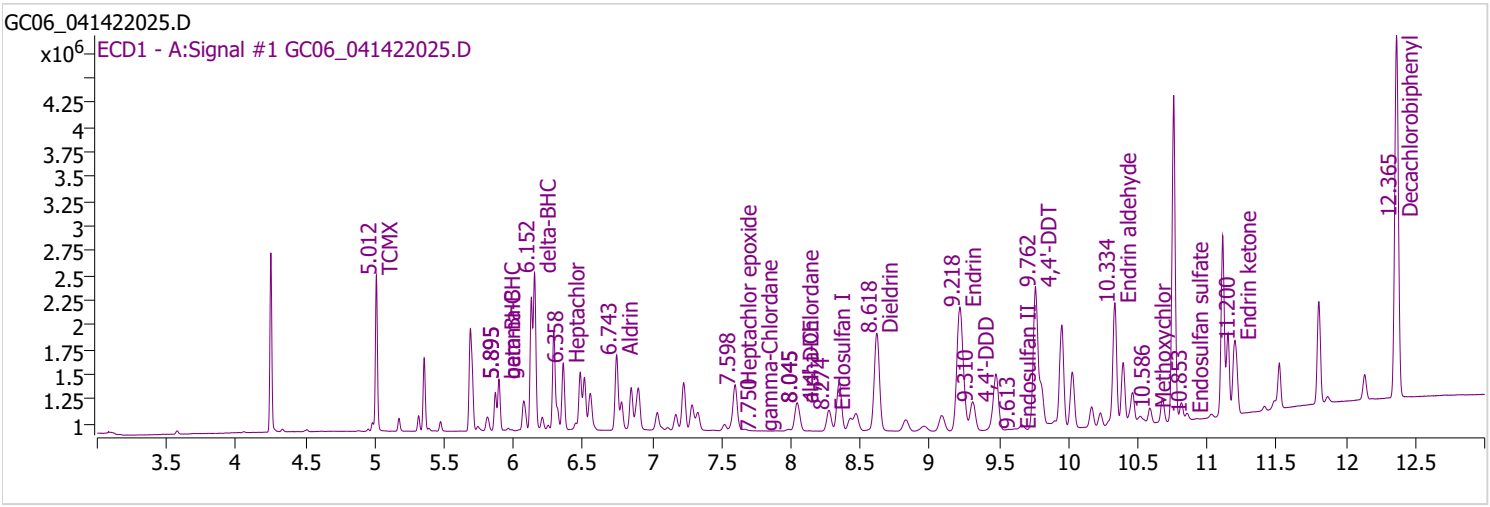


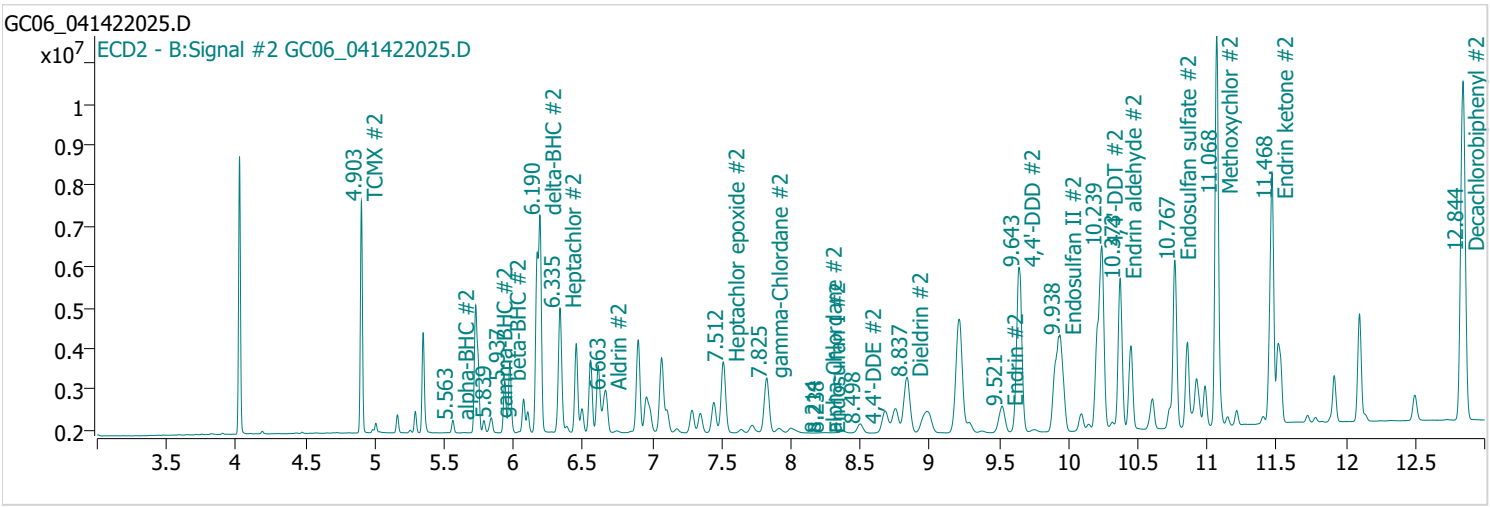
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	50.4921	12.84	0.00	19467064			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422025.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 9:37:00 PM
Sample Name	ICV, S16736	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 120	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 8:58:27 PM



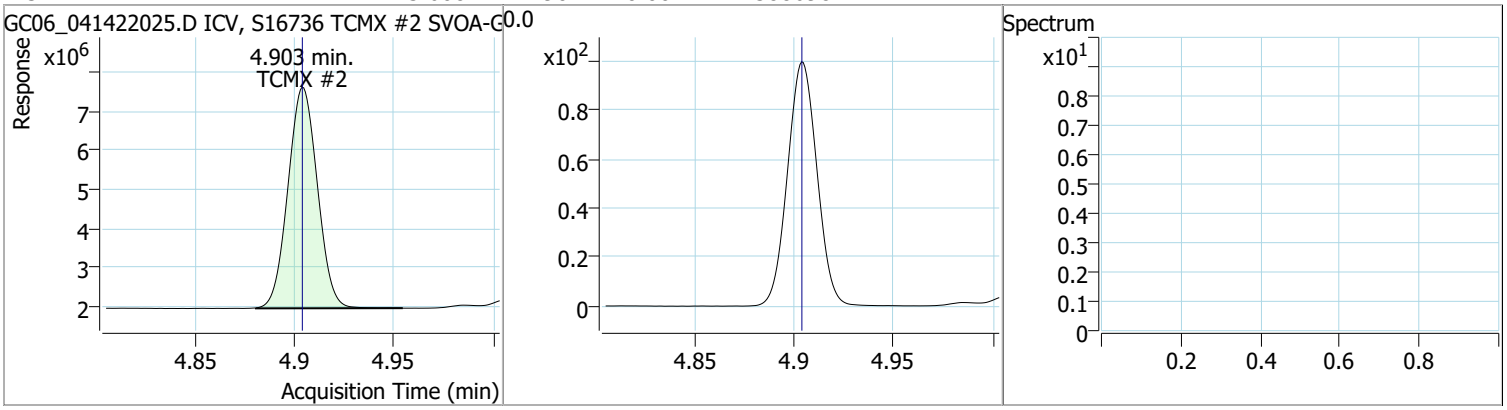


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.251	4.025	1753445	6387792	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.012	4.903	1649222	5886981	22.771	23.609	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	113.85%	118.04%	
S Decachlorobiphenyl	12.365	12.844	6821768	19316489	62.583	59.129	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	312.91% *	295.65% *	
Target Compounds							
T alpha-BHC	----	5.563 f	0	345584	N.D.	1.727 #	ng/ml
T gamma-BHC	5.895	5.839	637656	523516	10.069	2.568 #	ng/ml
T beta-BHC	5.895	5.937	633666	1667899	18.761	13.246 #	ng/ml
T delta-BHC	6.152	6.190	2083861	12938661	22.734	28.239	ng/ml
T Heptachlor	6.358	6.335	826612	5232272	12.250	17.510 #	ng/ml
T Aldrin	6.743	6.663 f	1196771	2297007	16.235	10.383 #	ng/ml
T Heptachlor epoxide	7.598	7.512	1002864	3492430	14.277	14.665	ng/ml
T gamma-Chlordane	7.750	7.825	403	3223540	0.008	12.445 #	ng/ml
T alpha-Chlordane	8.045	8.214 f	447428	30146	8.143	0.165 #	ng/ml

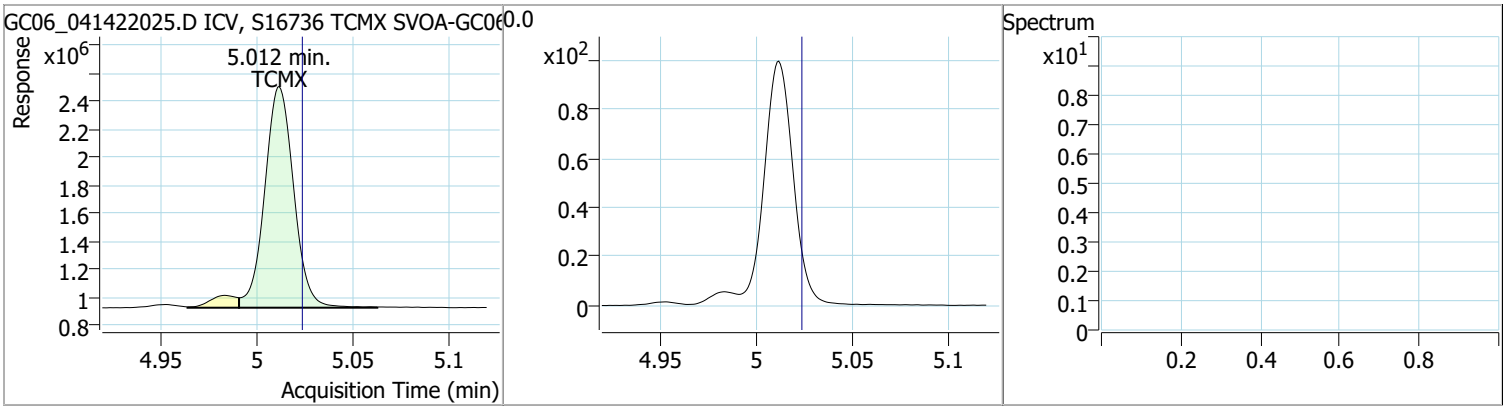
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.274	8.238	455772	17753	8.667	0.108 #	ng/ml
T 4,4'-DDE	8.045	8.498 f	689271	572005	12.913	3.514 #	ng/ml
T Dieldrin	8.618	8.837	2545513	3715515	34.073	18.376 #	ng/ml
T Endrin	9.218	9.521	1971651	1905799	24.244	10.830 #	ng/ml
T 4,4'-DDD	9.310	9.643 f	471768	9806439	12.167	50.492 #	ng/ml
T Endosulfan II	9.613	9.938 f	16477	7866789	0.343	30.259 #	ng/ml
T 4,4'-DDT	9.762	10.239	3042557	13813267	46.130	45.912	ng/ml
T Endrin aldehyde	10.334	10.373	2145465	7124371	41.174	38.621	ng/ml
T Endosulfan sulfate	10.853	10.767	51876	8477372	1.214	39.209 #	ng/ml
T Methoxychlor	10.586	11.068 f	222120	16981204	8.033	142.595 #	ng/ml
T Endrin ketone	11.200	11.468 f	1304087	11080565	21.220	40.351 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

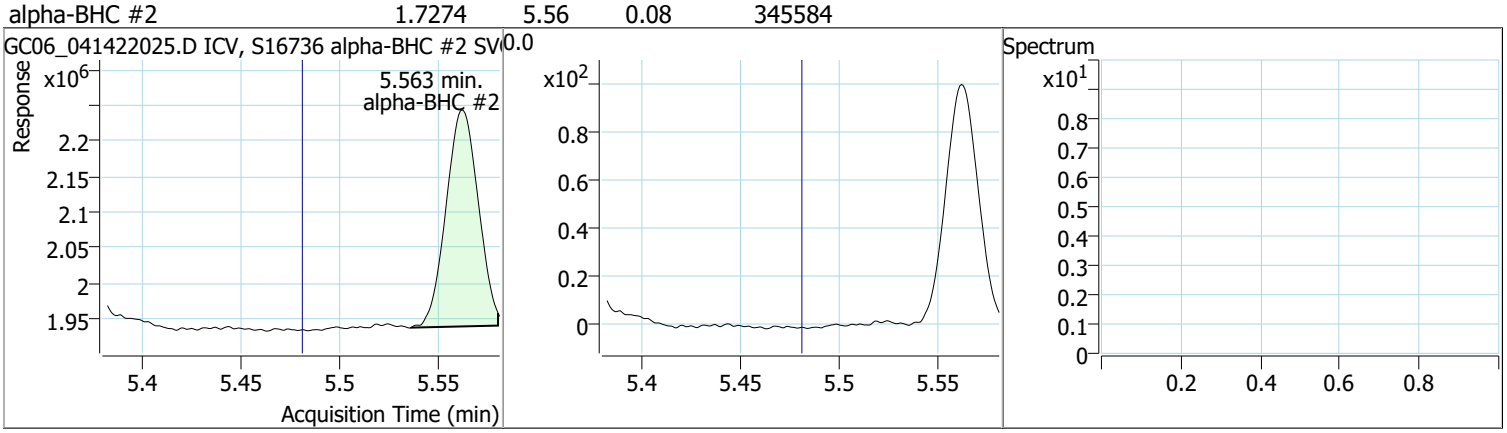
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	23.6087	4.90	0.00	5886981			



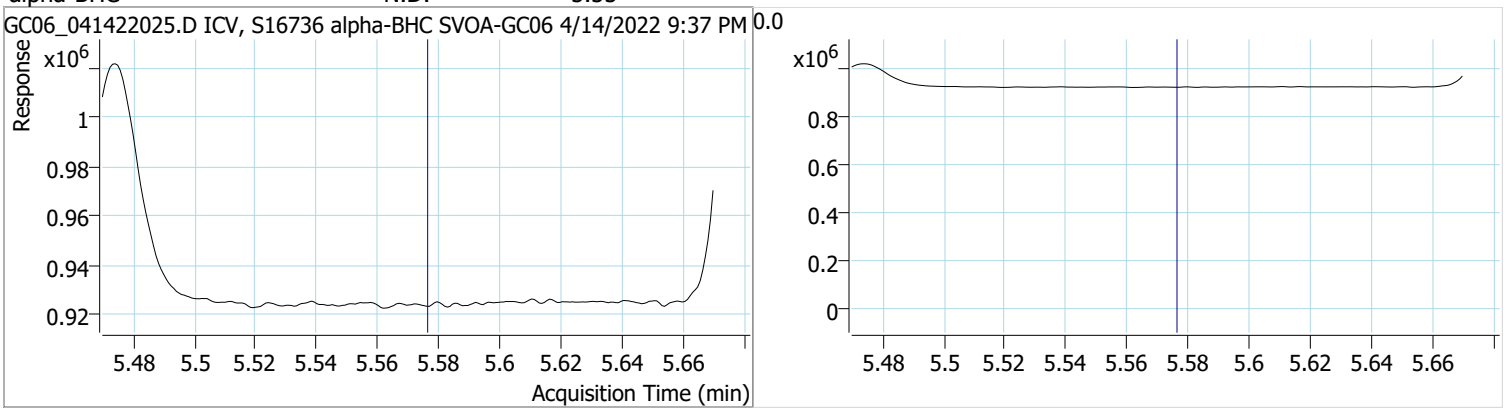
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	22.7706	5.01	0.01	1649222			



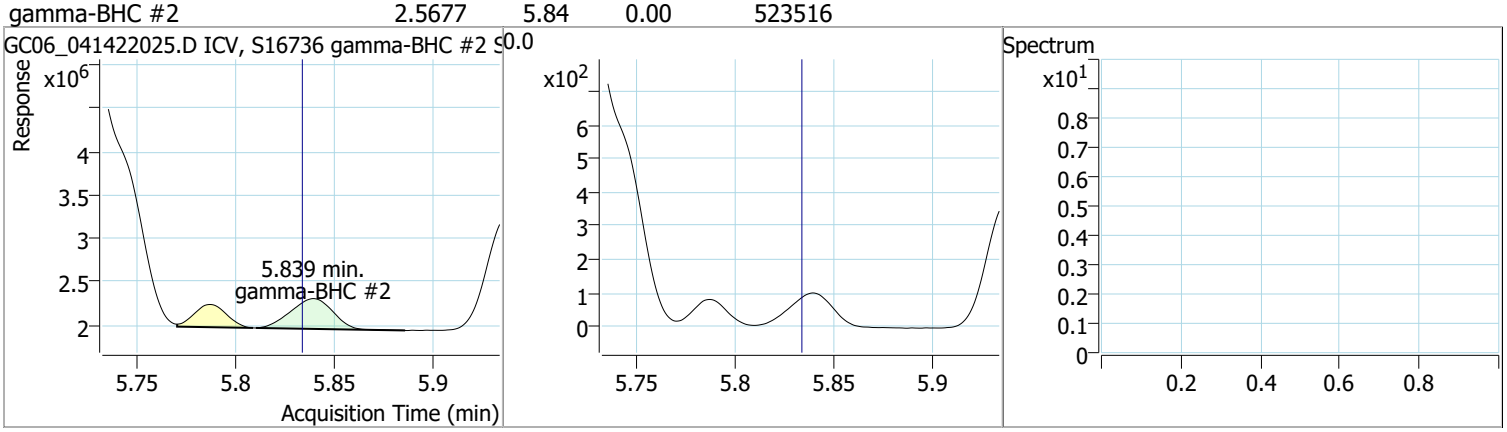
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	1.7274	5.56	0.08	345584			



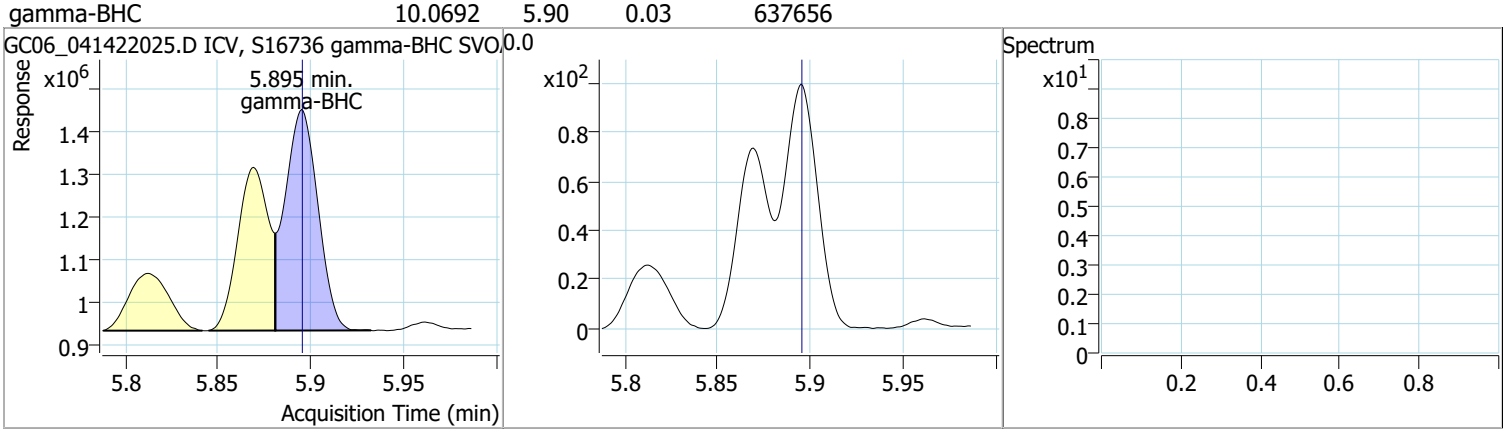
Compound	Conc.		Exp Ratio
alpha-BHC	N.D.	5.55	



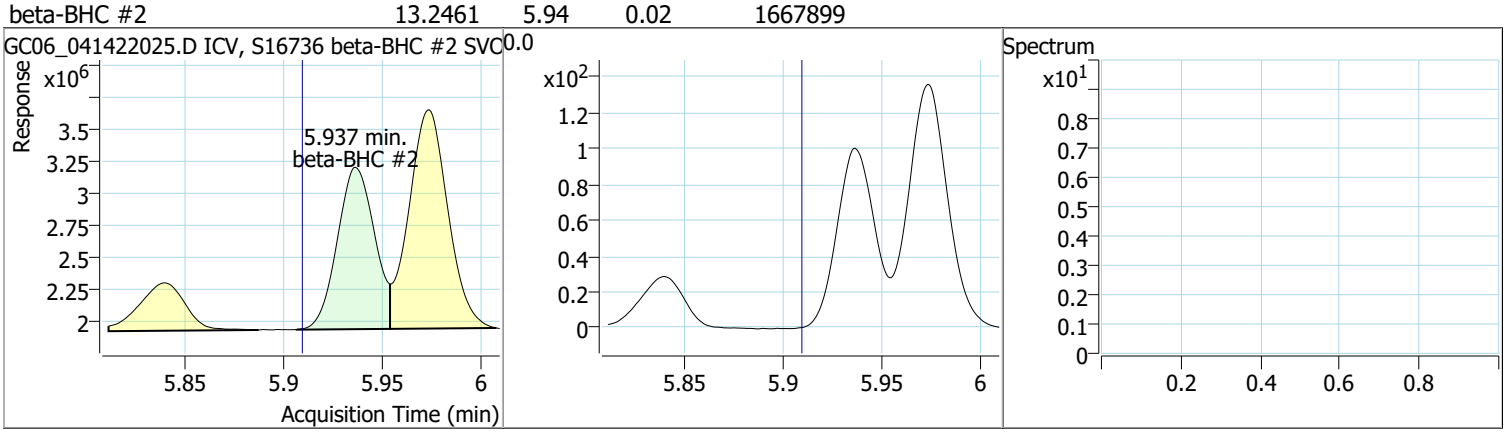
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	2.5677	5.84	0.00	523516			



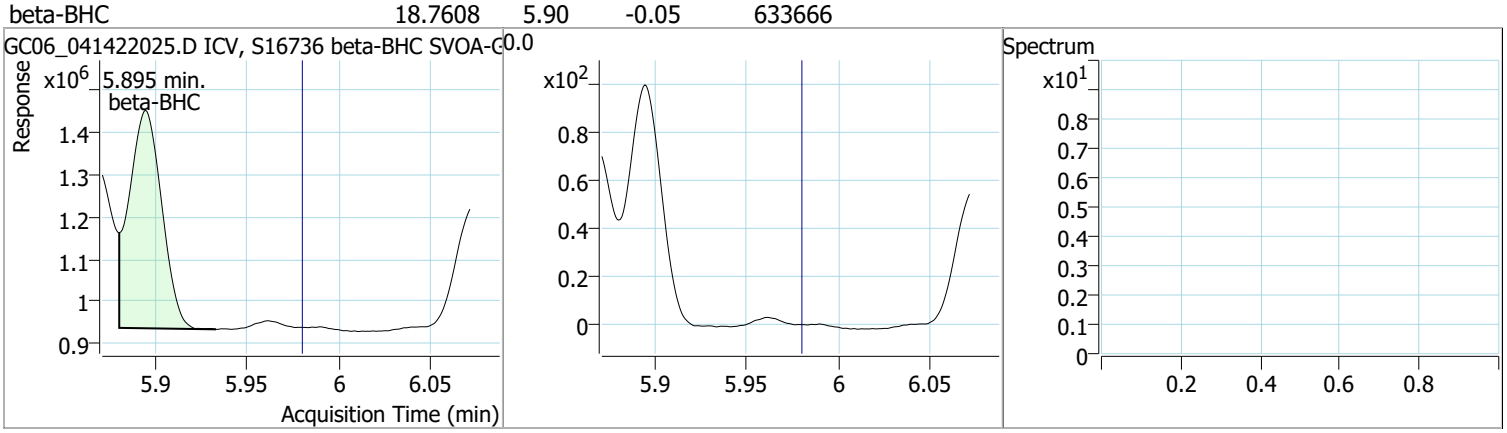
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	10.0692	5.90	0.03	637656			



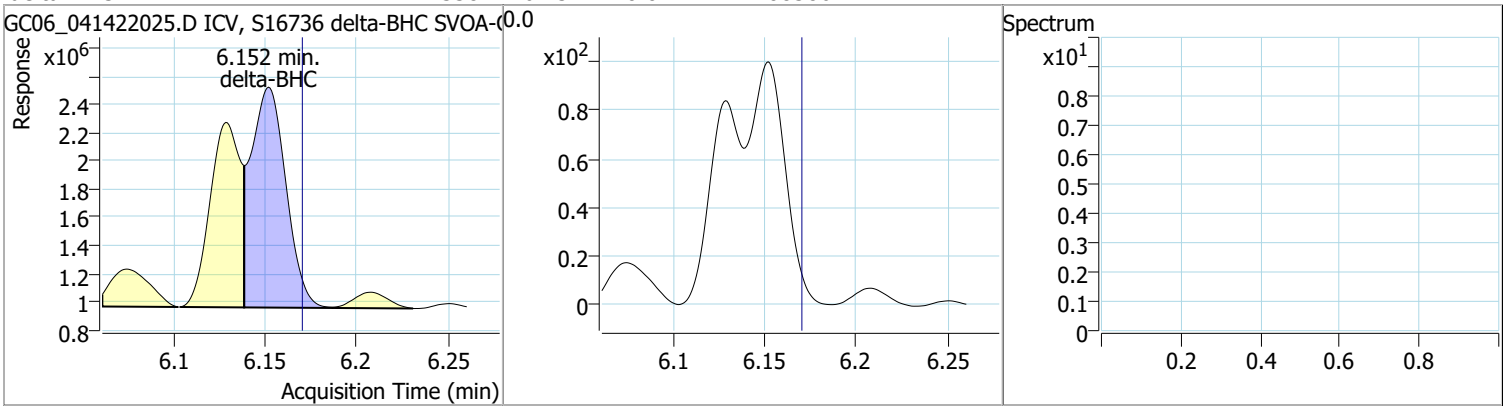
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	13.2461	5.94	0.02	1667899			



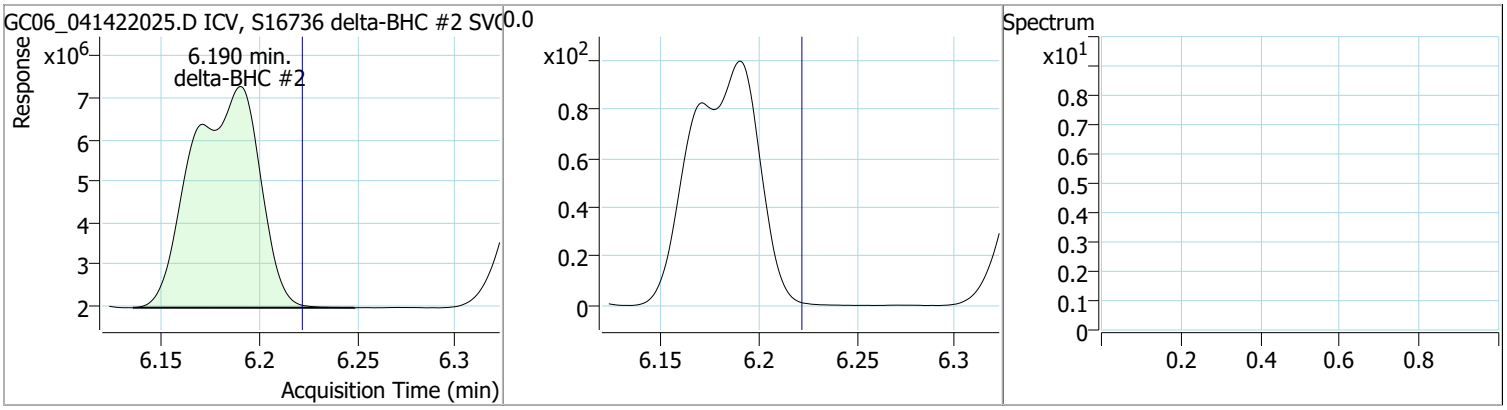
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	18.7608	5.90	-0.05	633666			



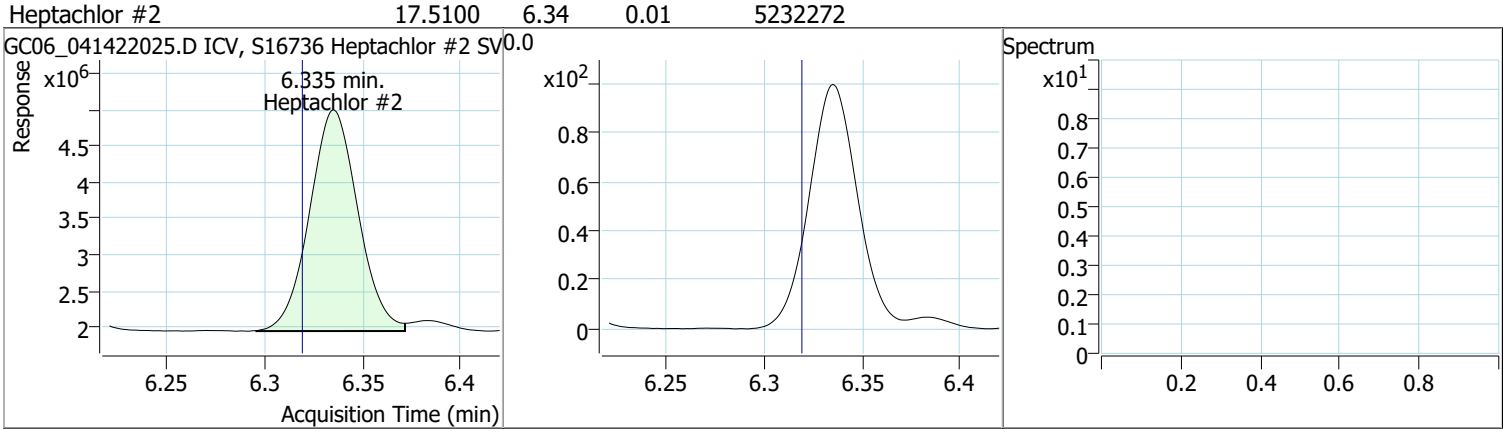
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	22.7338	6.15	0.01	2083861			



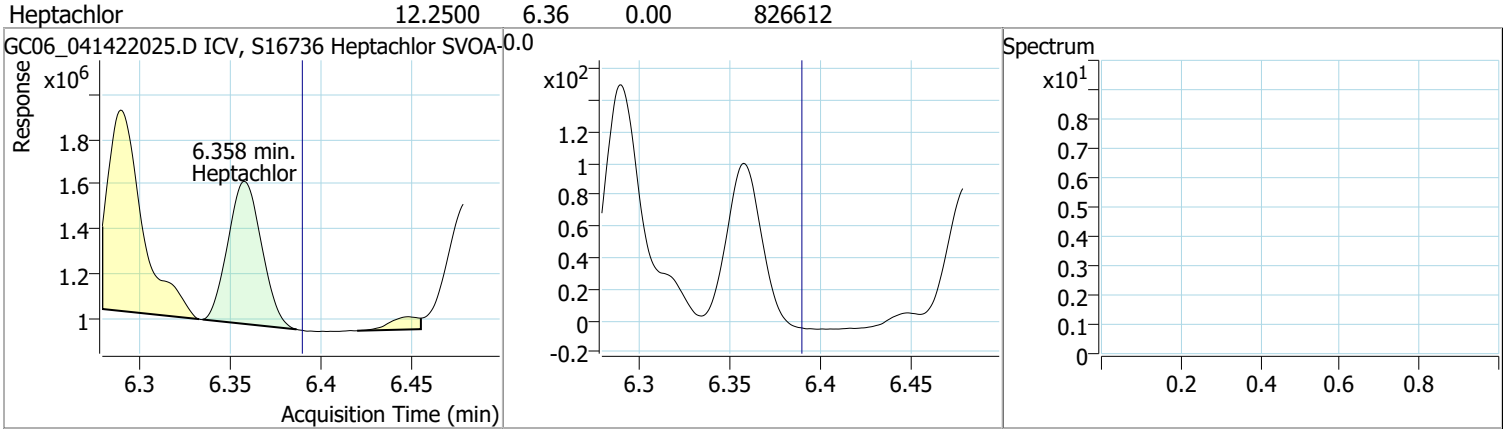
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	28.2394	6.19	-0.03	12938661			



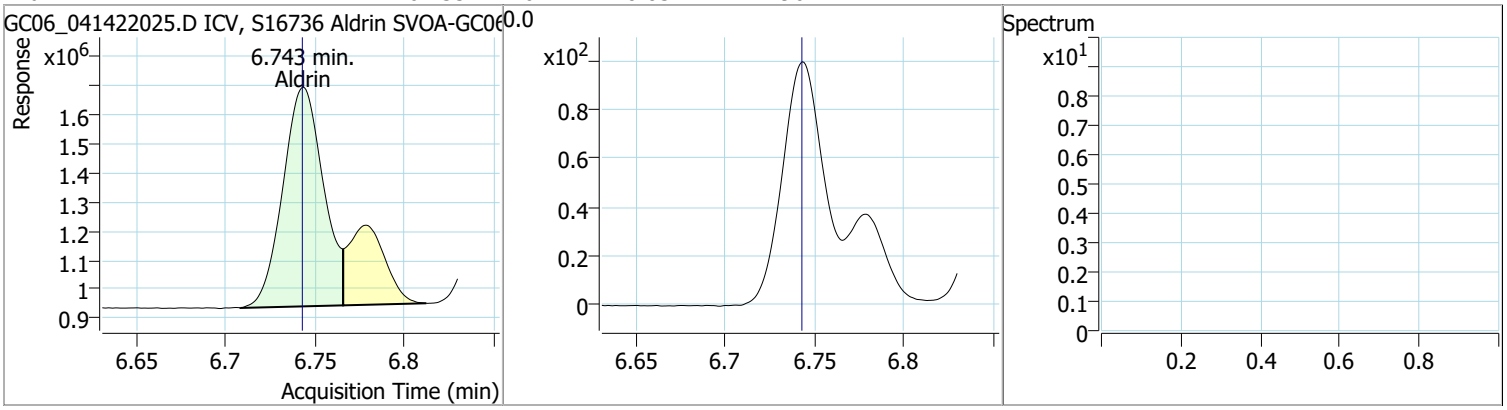
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	17.5100	6.34	0.01	5232272			



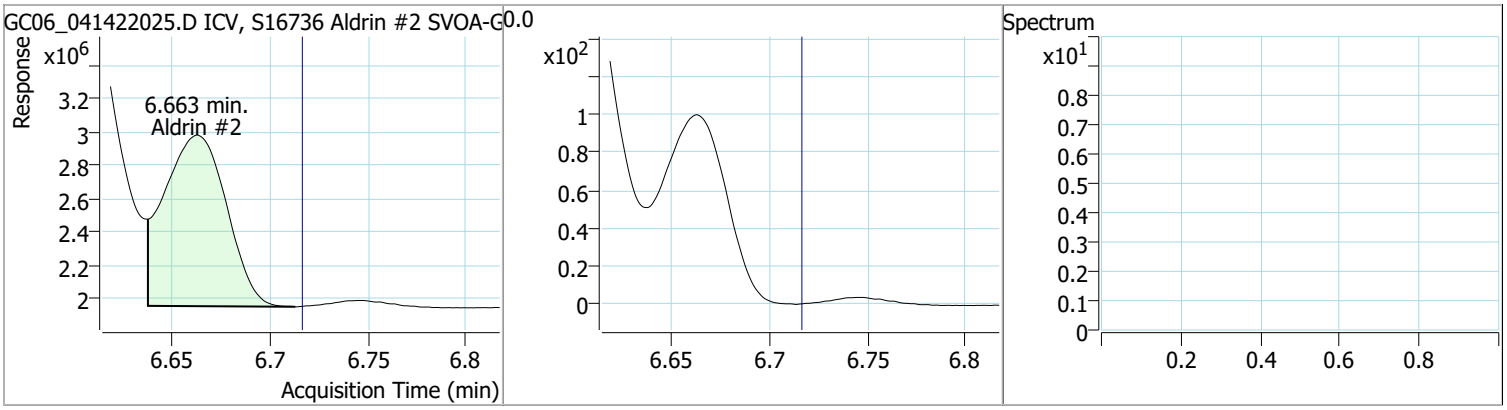
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	12.2500	6.36	0.00	826612			



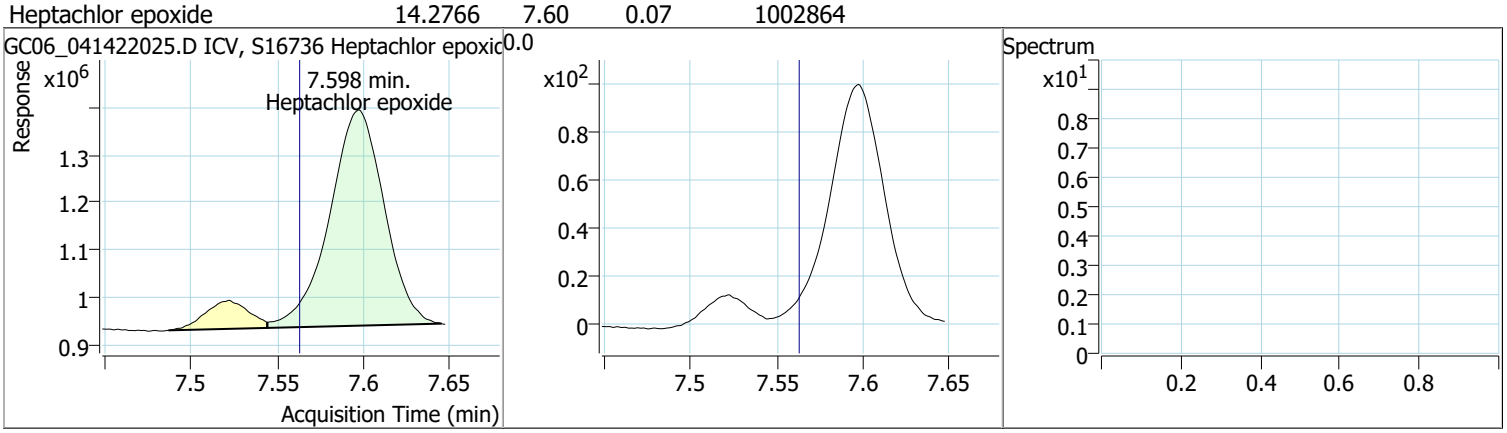
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	16.2351	6.74	0.03	1196771			



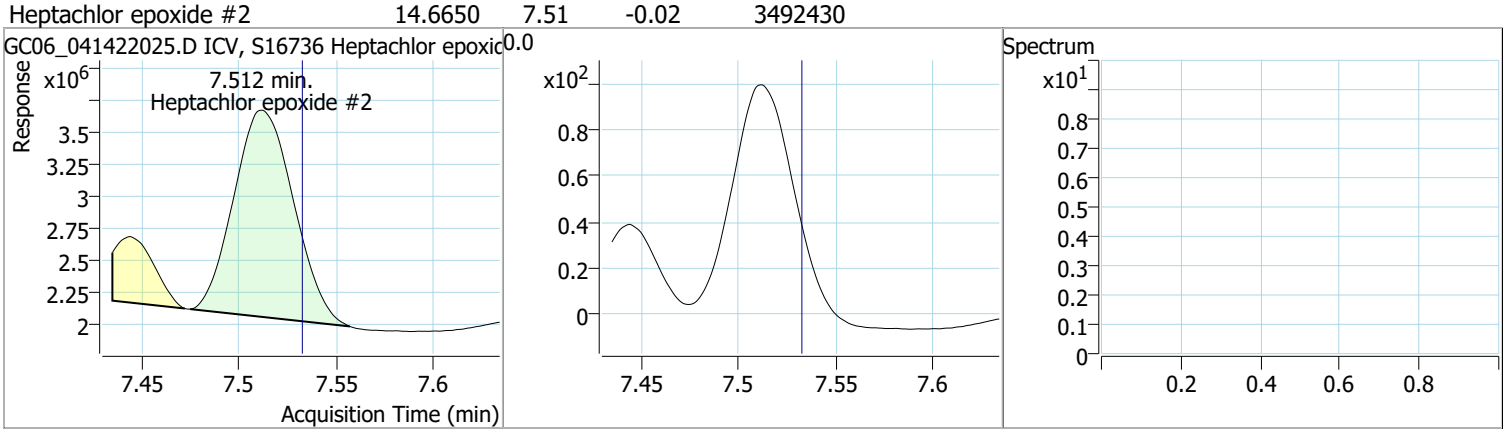
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	10.3830	6.66	-0.06	2297007			



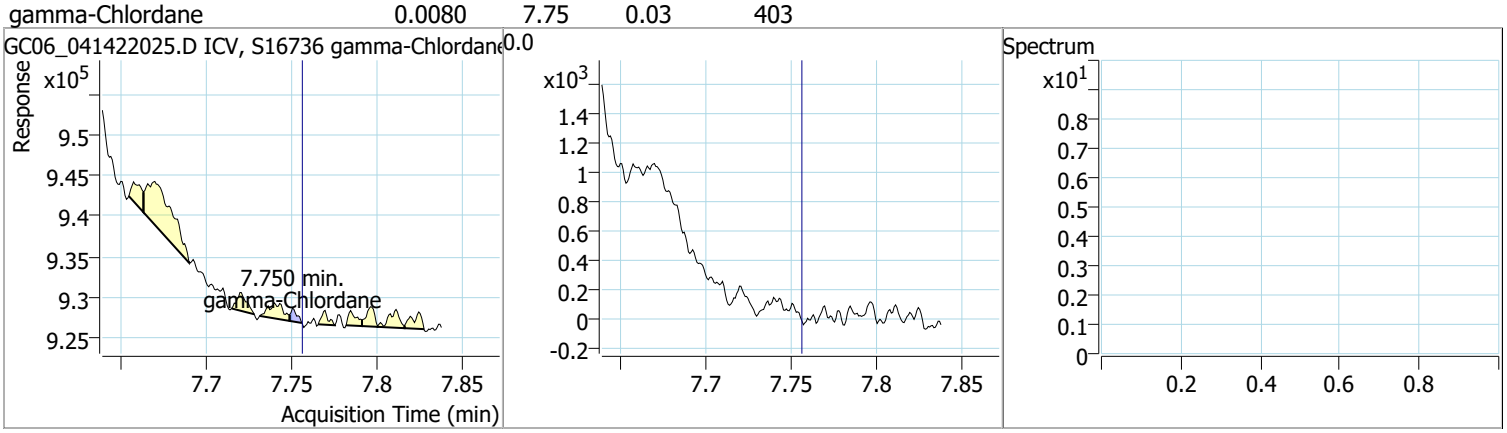
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	14.2766	7.60	0.07	1002864			



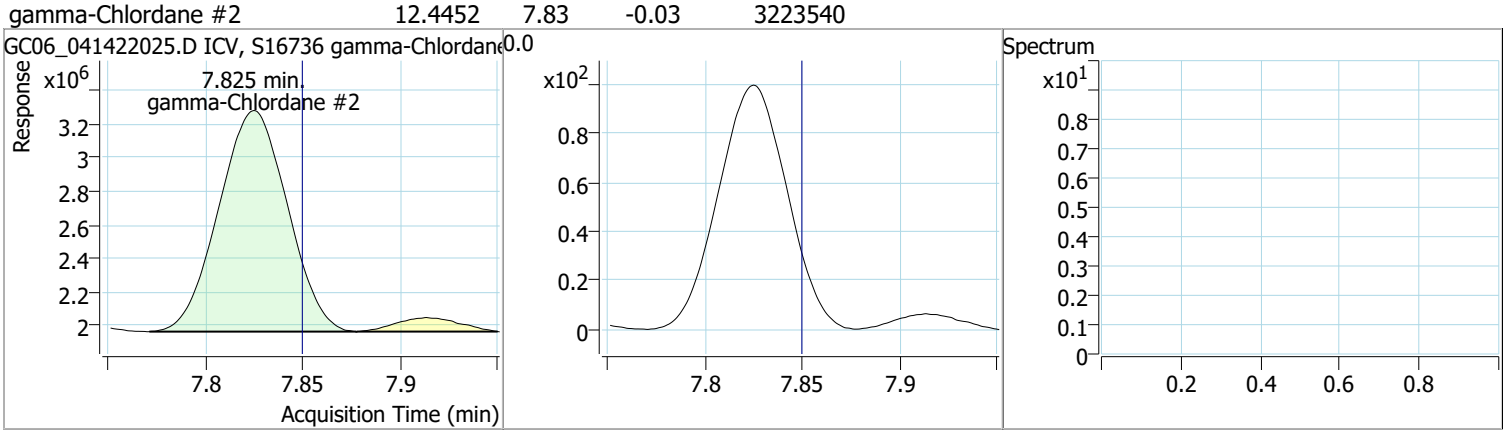
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	14.6650	7.51	-0.02	3492430			



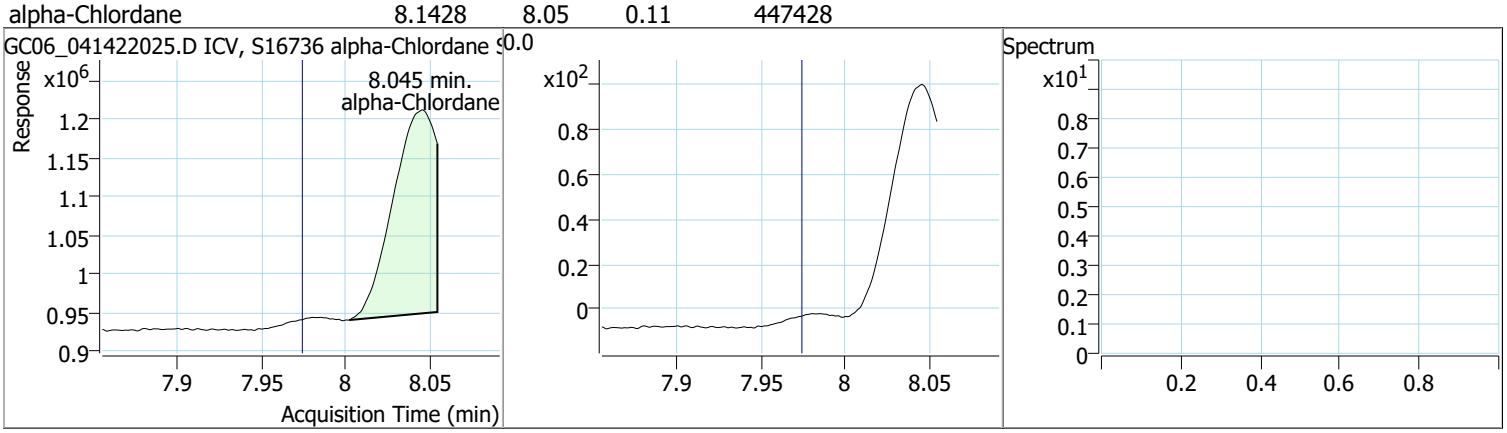
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.0080	7.75	0.03	403			



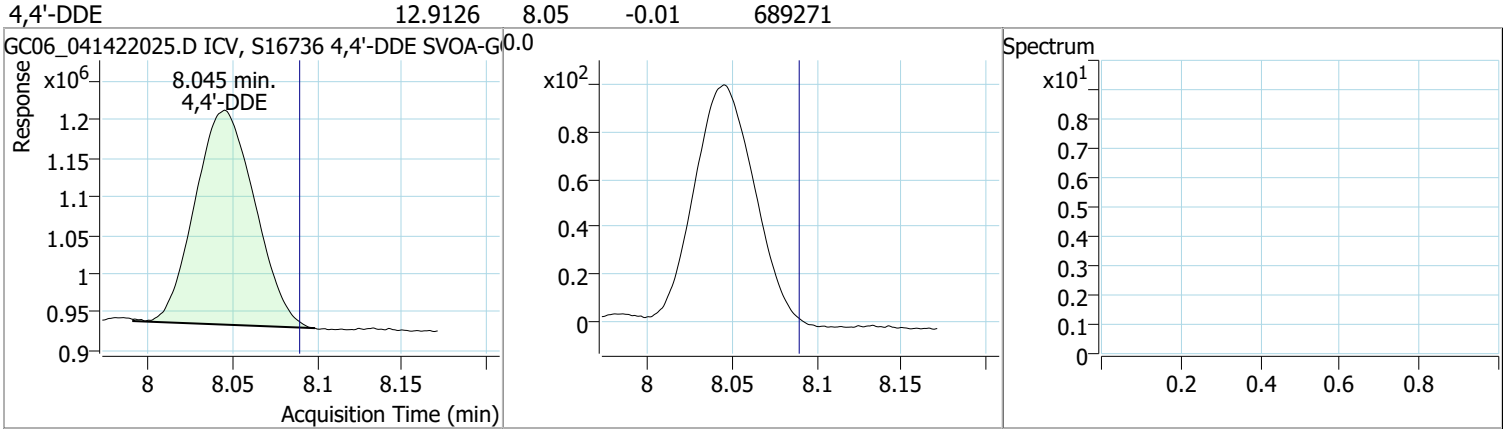
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	12.4452	7.83	-0.03	3223540			



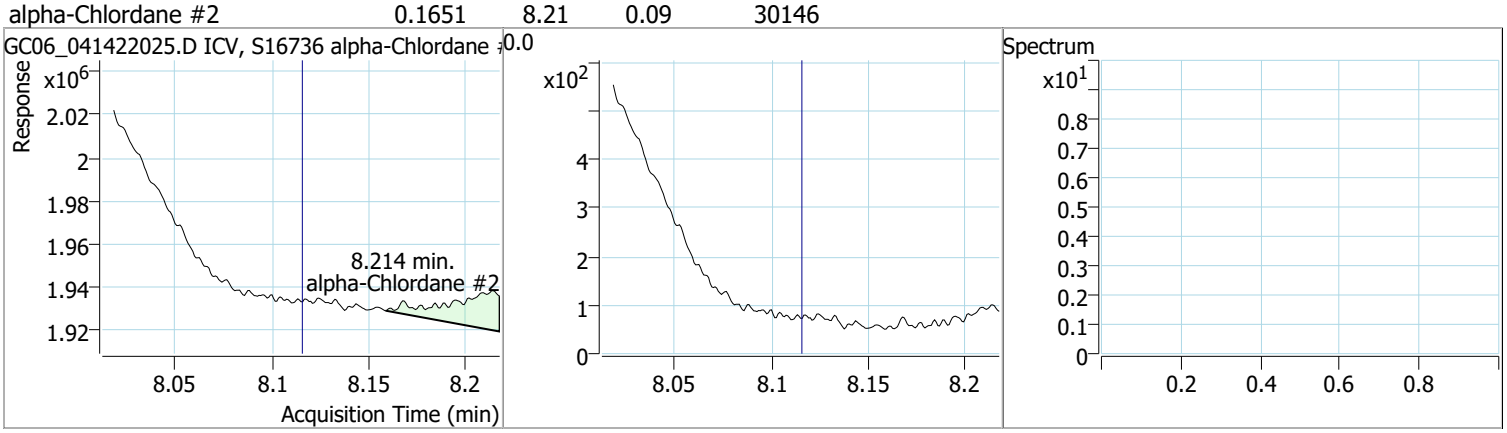
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	8.1428	8.05	0.11	447428			



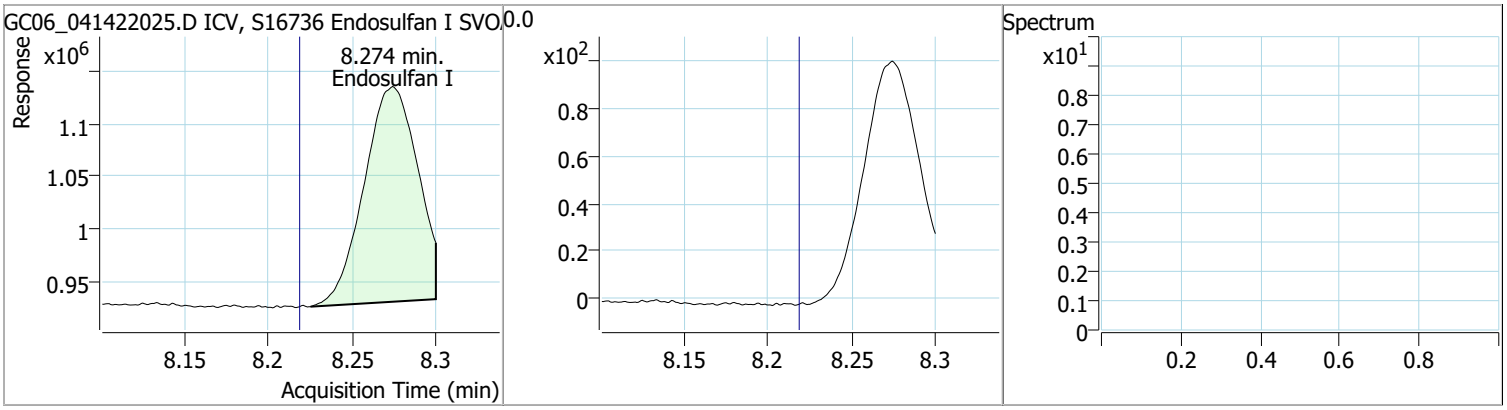
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	12.9126	8.05	-0.01	689271			



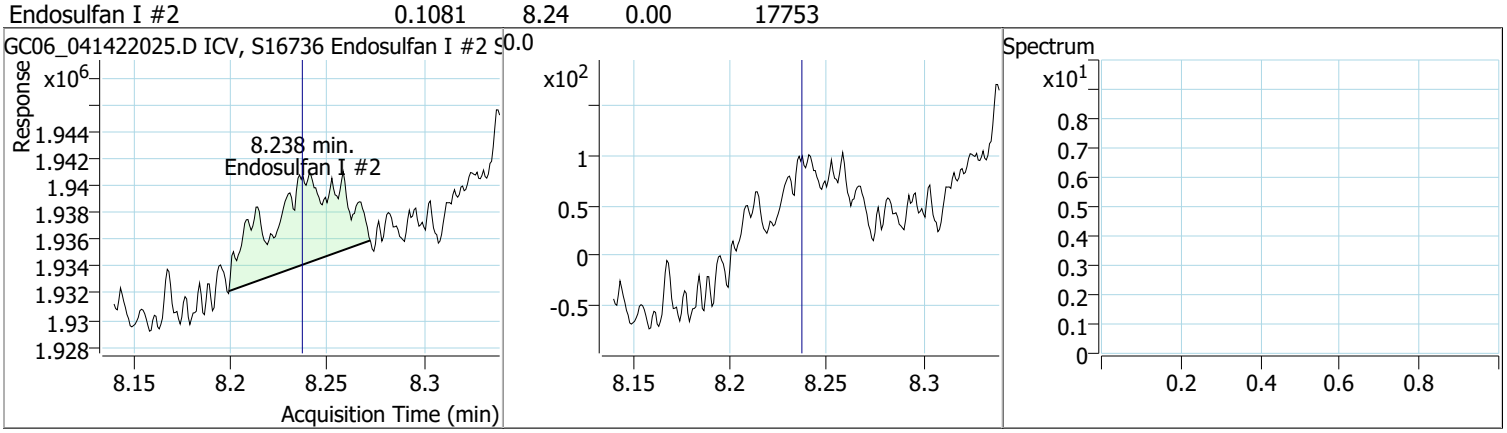
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane #2	0.1651	8.21	0.09	30146		



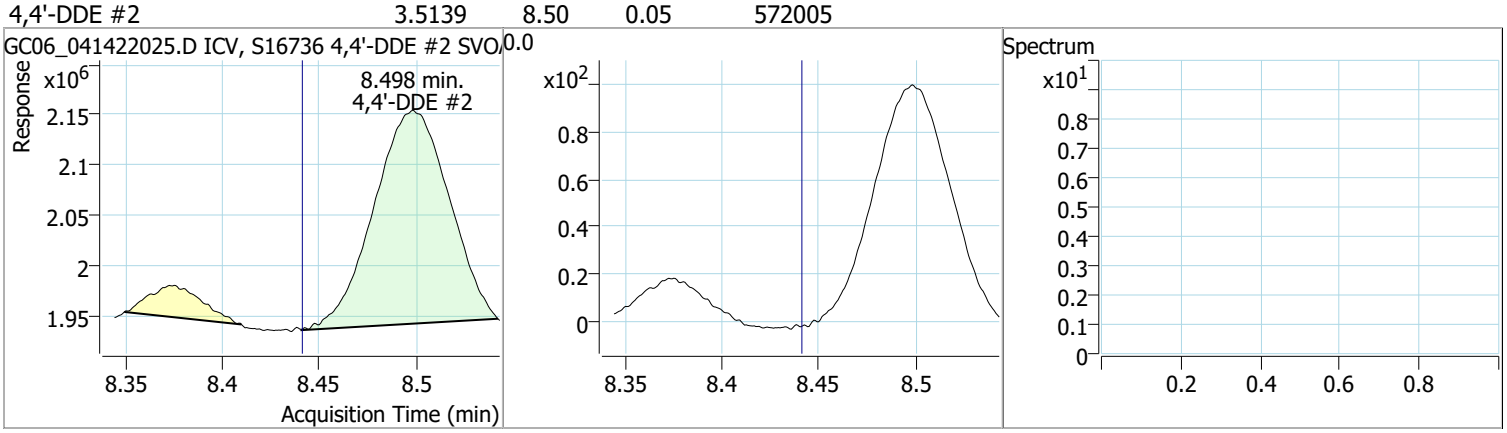
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	8.6675	8.27	0.10	455772		



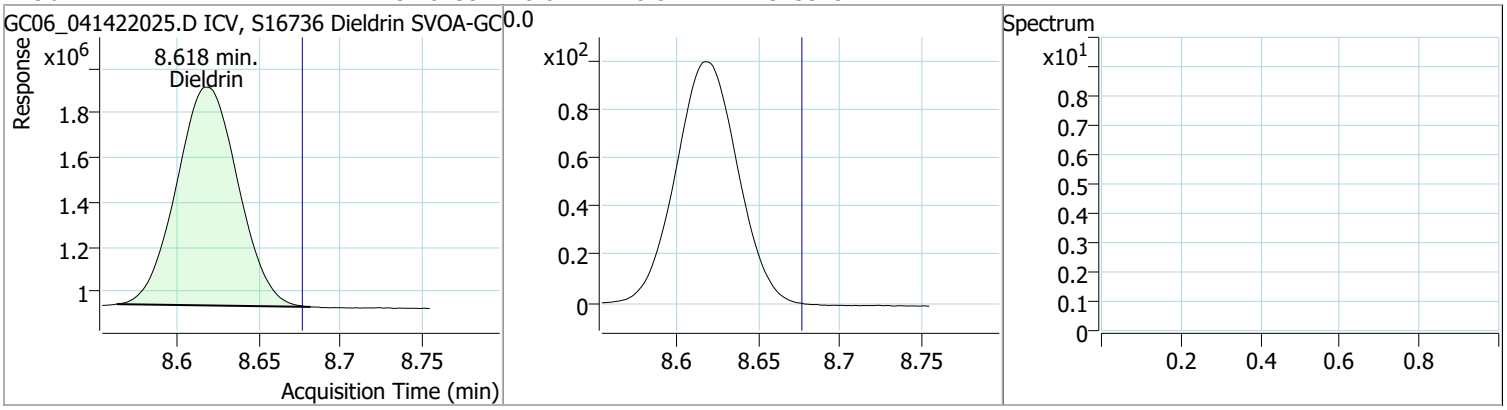
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endosulfan I #2	0.1081	8.24	0.00	17753		



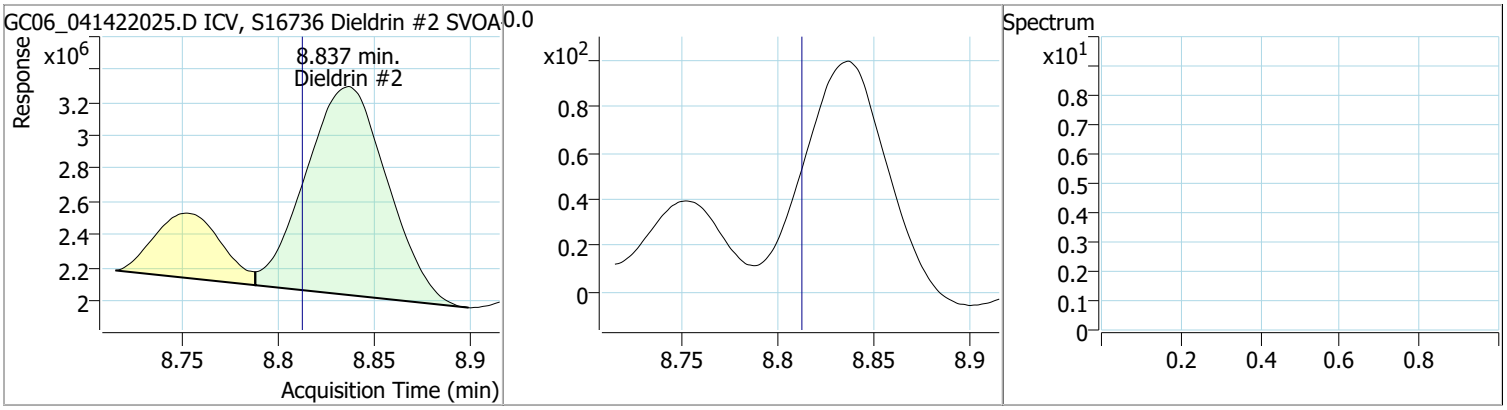
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	3.5139	8.50	0.05	572005		



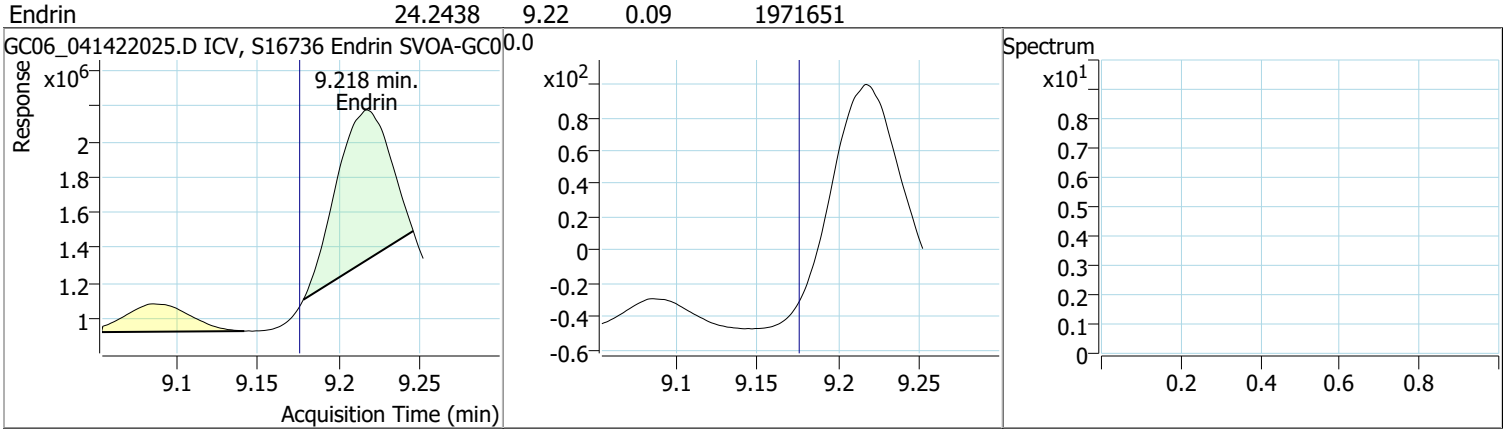
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Dieldrin	34.0733	8.62	-0.01	2545513		



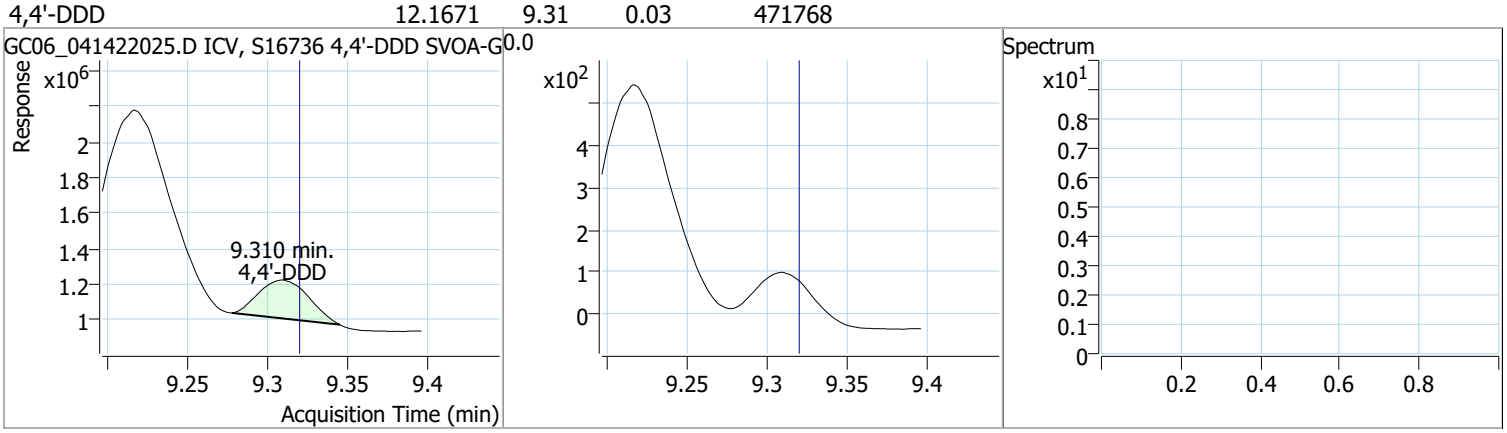
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	18.3757	8.84	0.02	3715515		



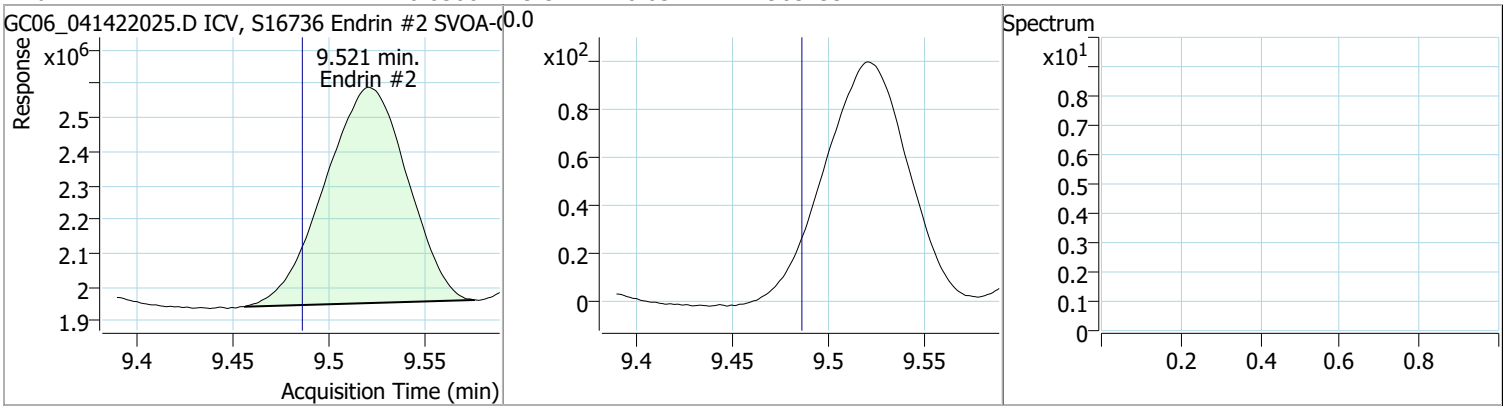
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endrin	24.2438	9.22	0.09	1971651		



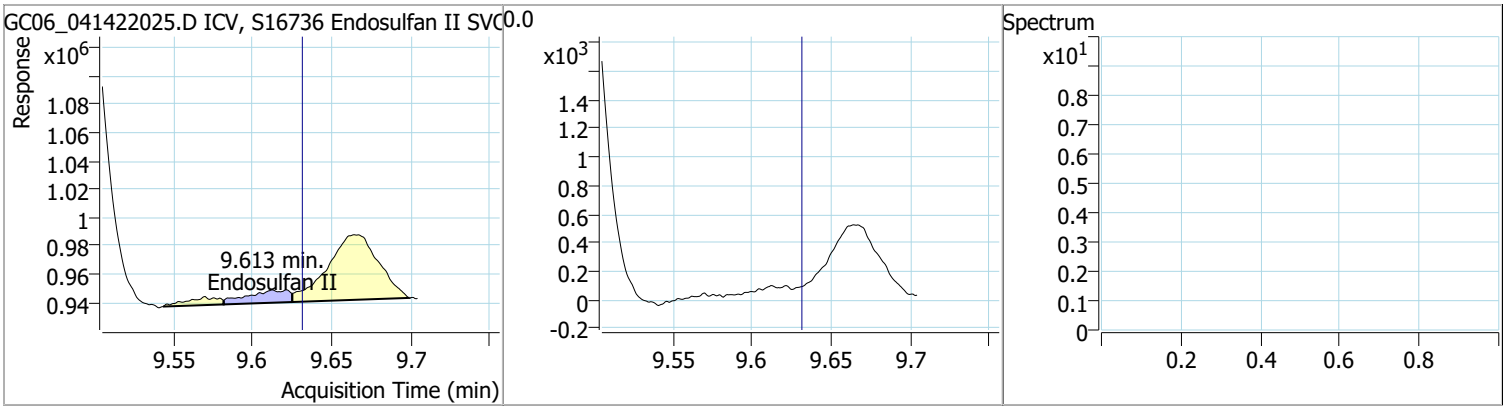
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	12.1671	9.31	0.03	471768		



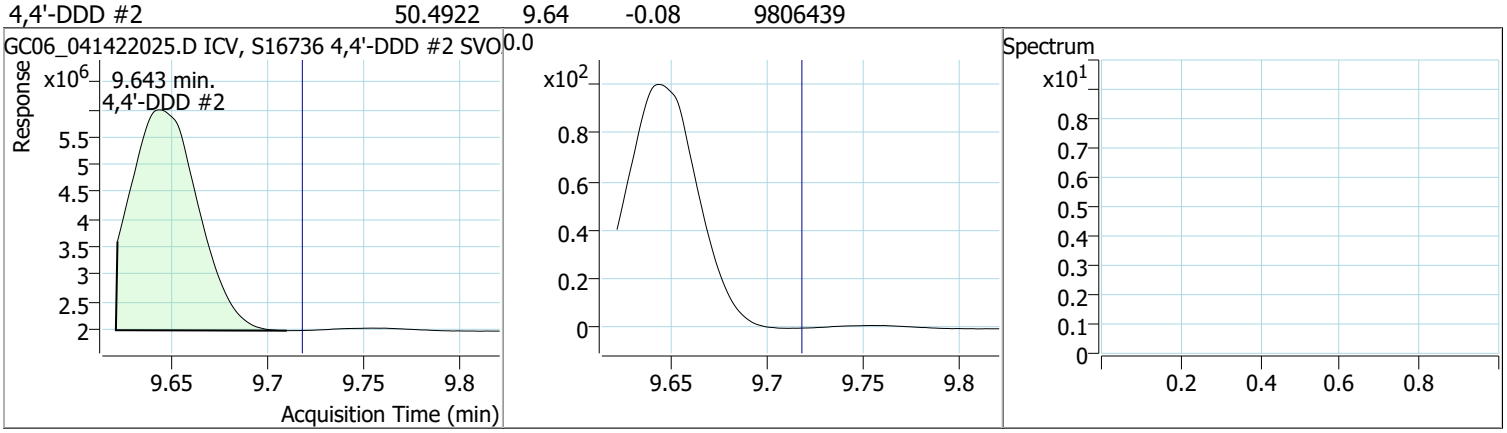
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin #2	10.8300	9.52	0.03	1905799			



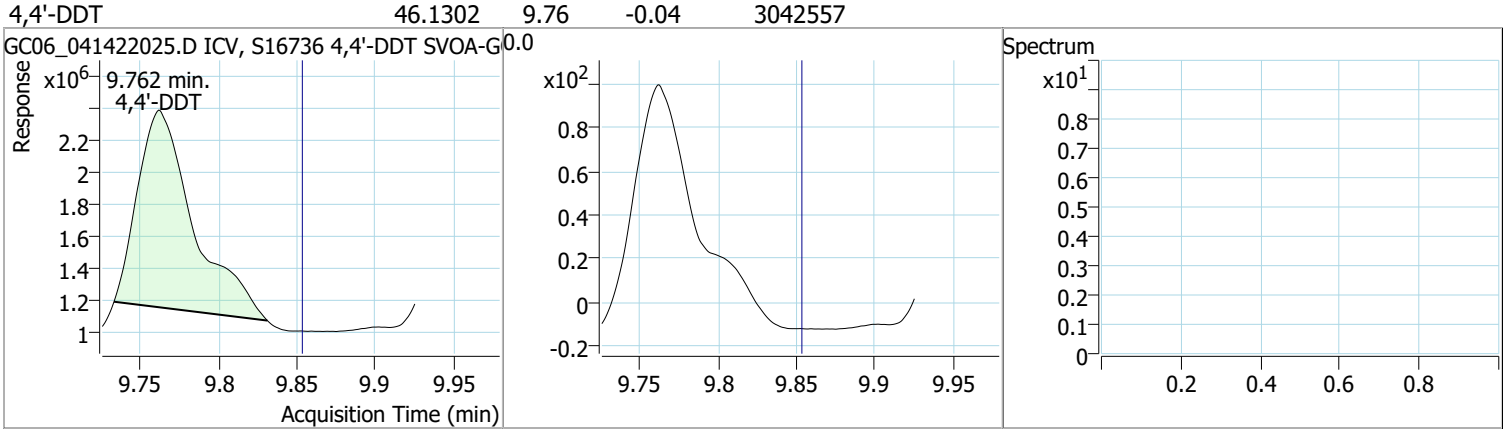
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II	0.3425	9.61	0.03	16477			



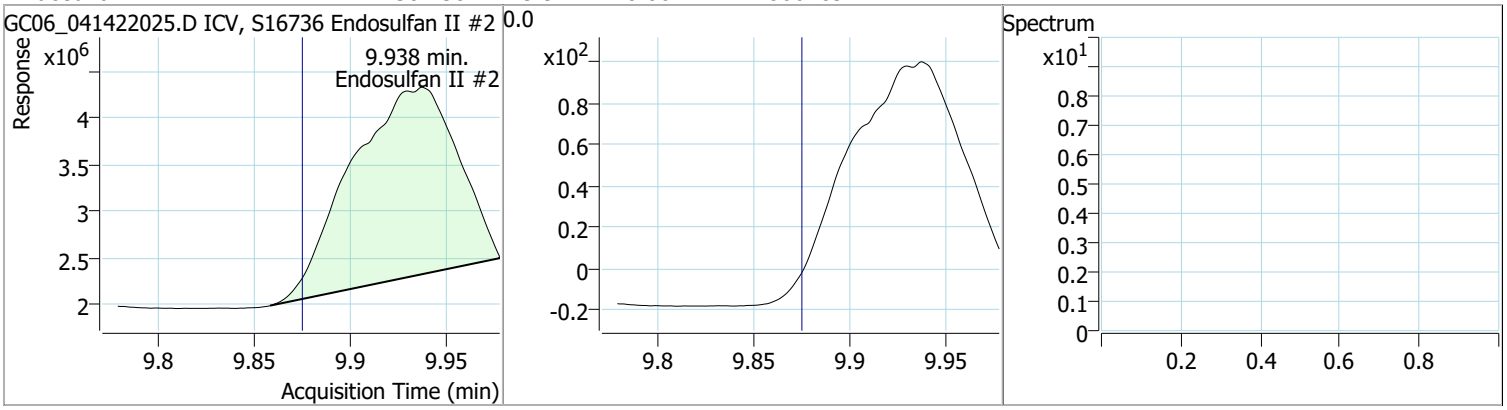
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	50.4922	9.64	-0.08	9806439			



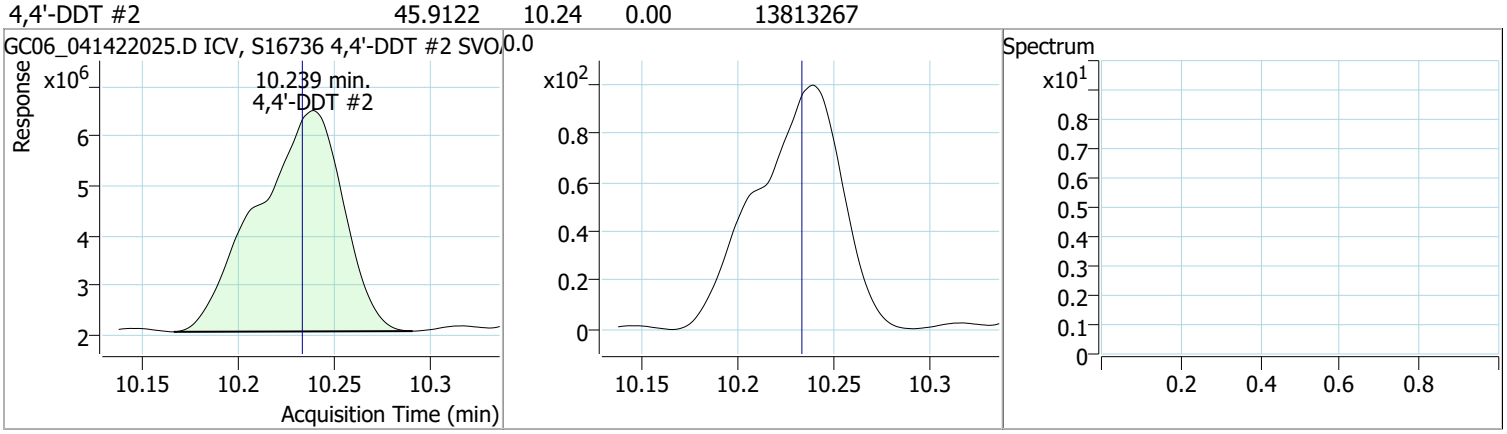
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	46.1302	9.76	-0.04	3042557			



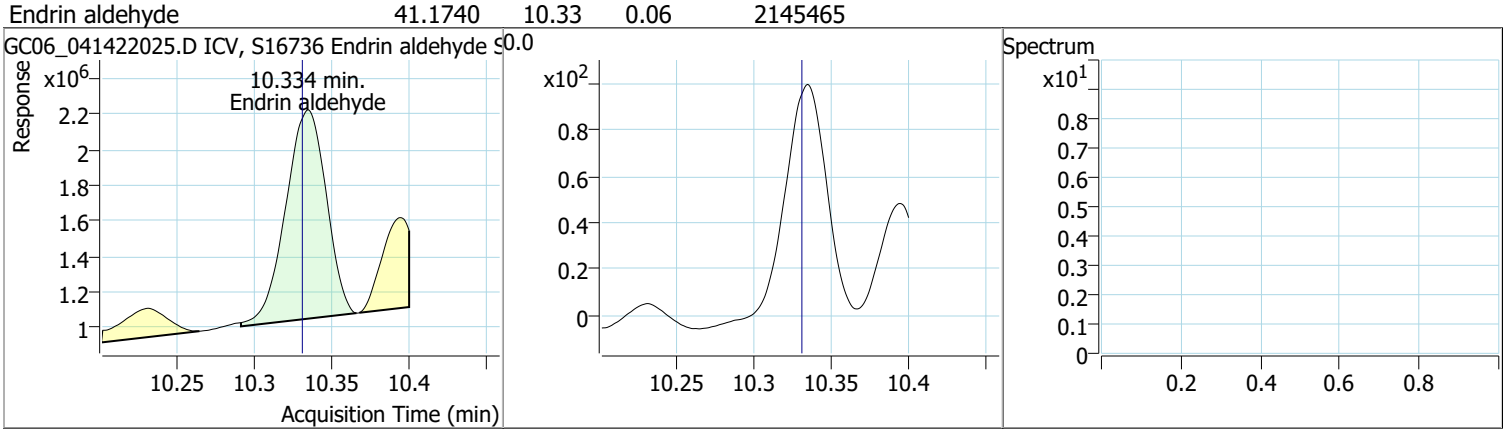
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	30.2587	9.94	0.06	7866789			



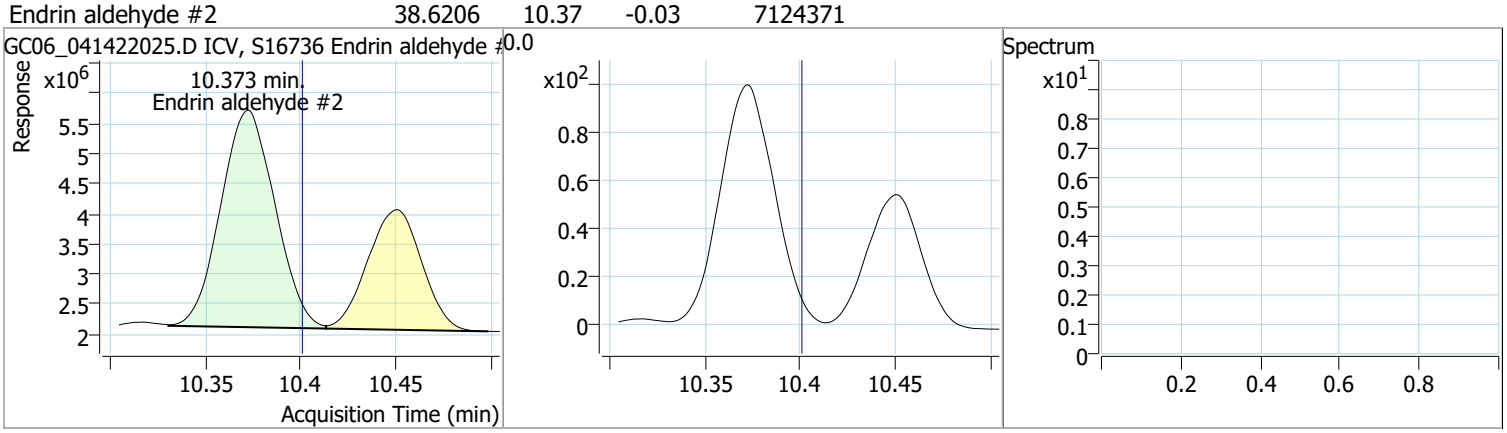
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	45.9122	10.24	0.00	13813267			



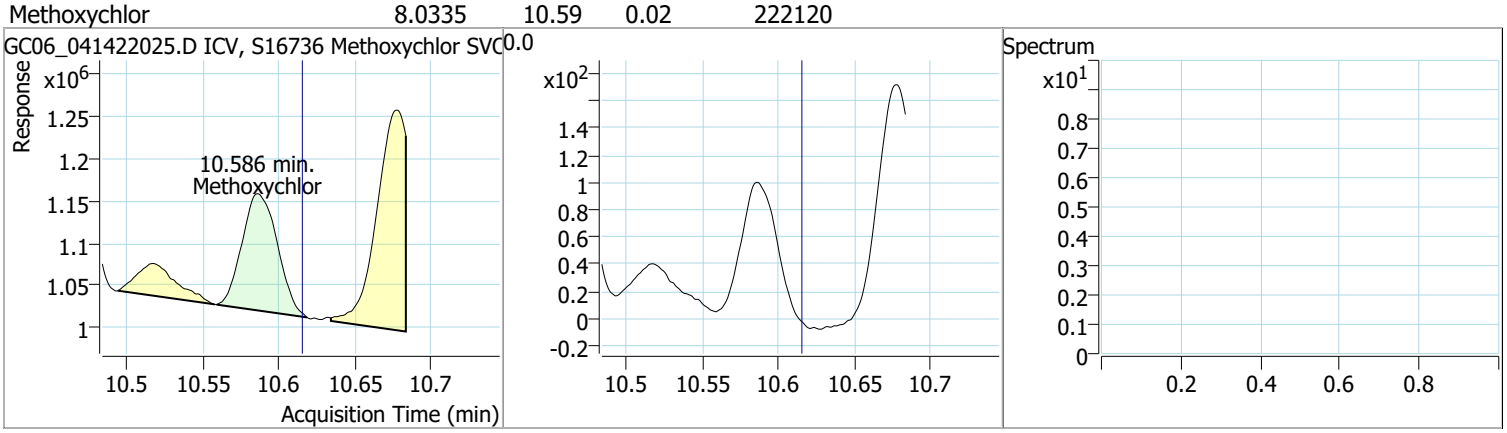
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	41.1740	10.33	0.06	2145465			



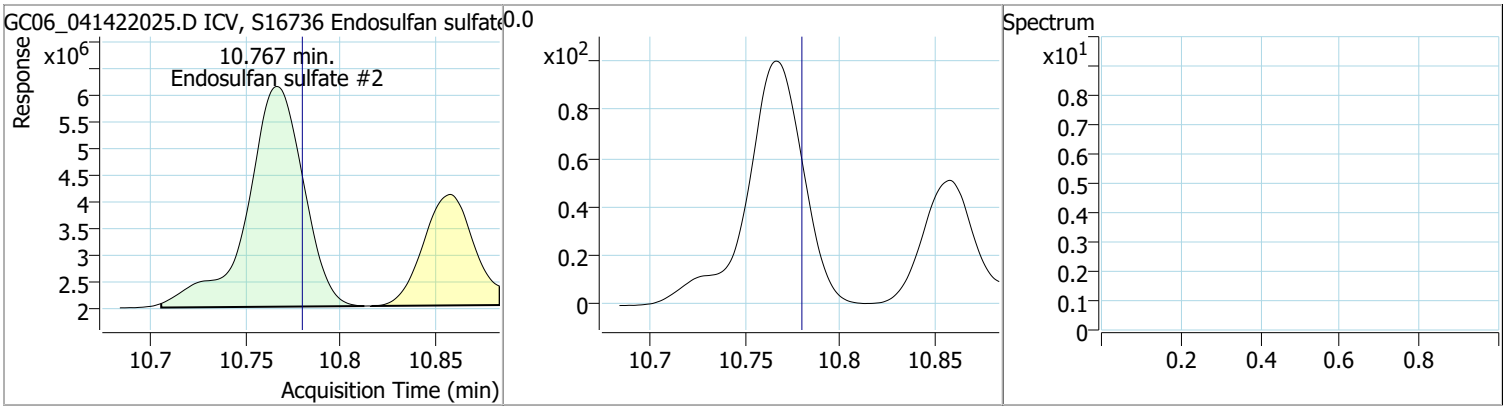
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	38.6206	10.37	-0.03	7124371			



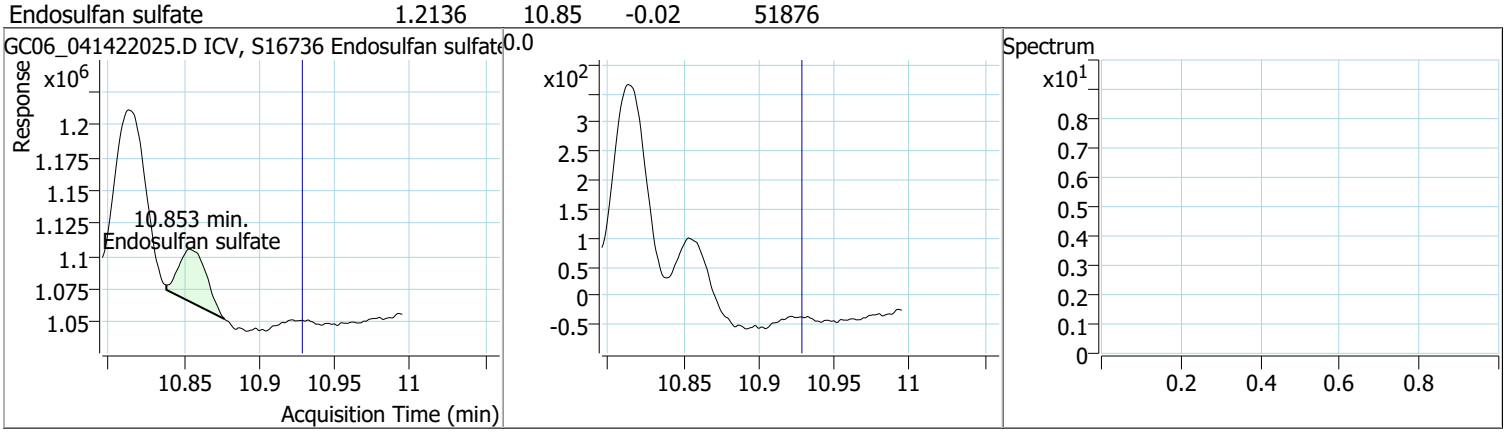
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	8.0335	10.59	0.02	222120			



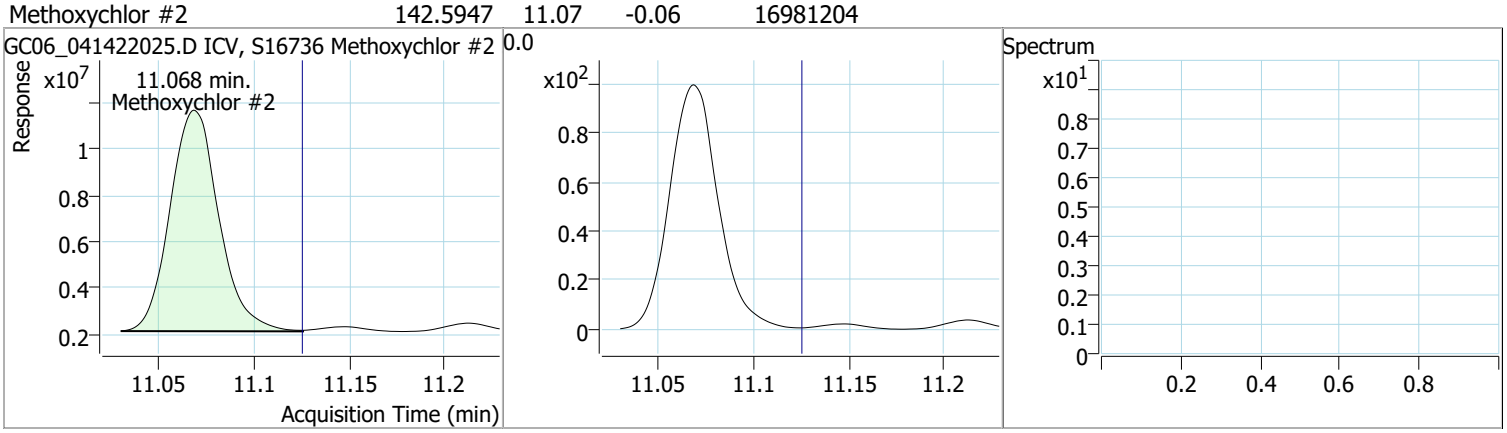
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	39.2094	10.77	-0.02	8477372			



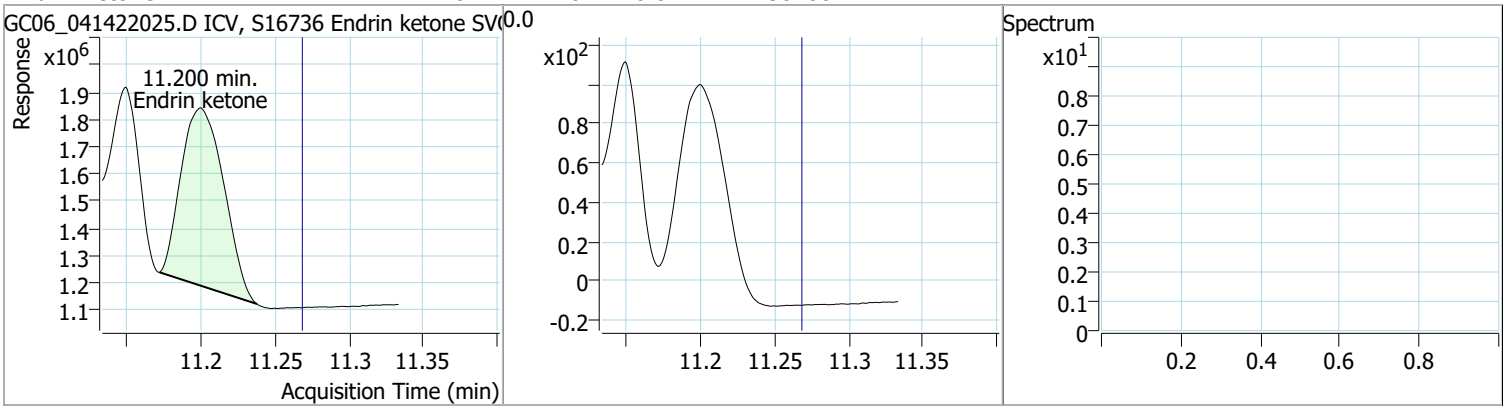
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	1.2136	10.85	-0.02	51876			



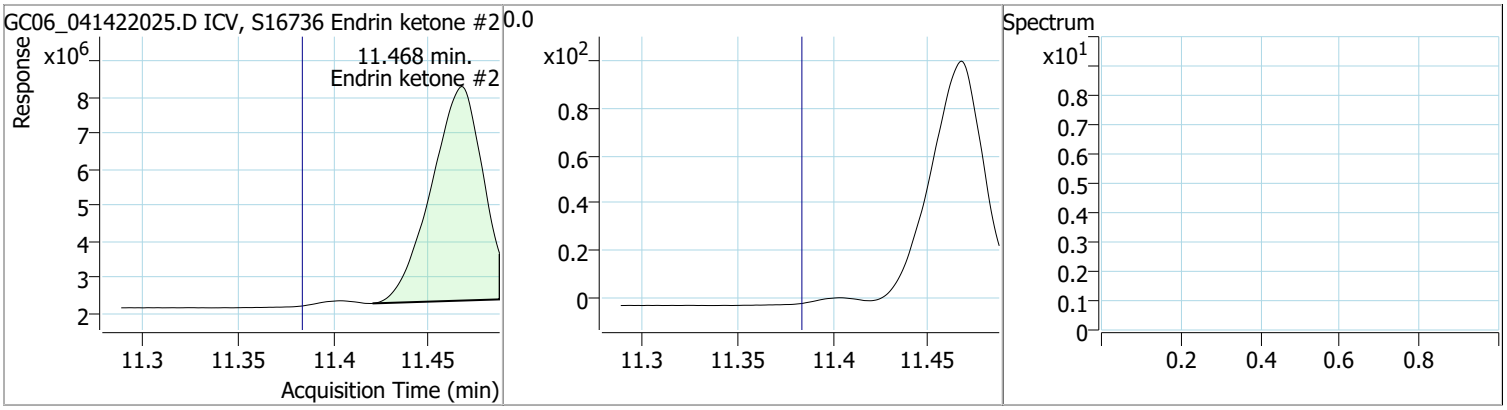
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	142.5947	11.07	-0.06	16981204			



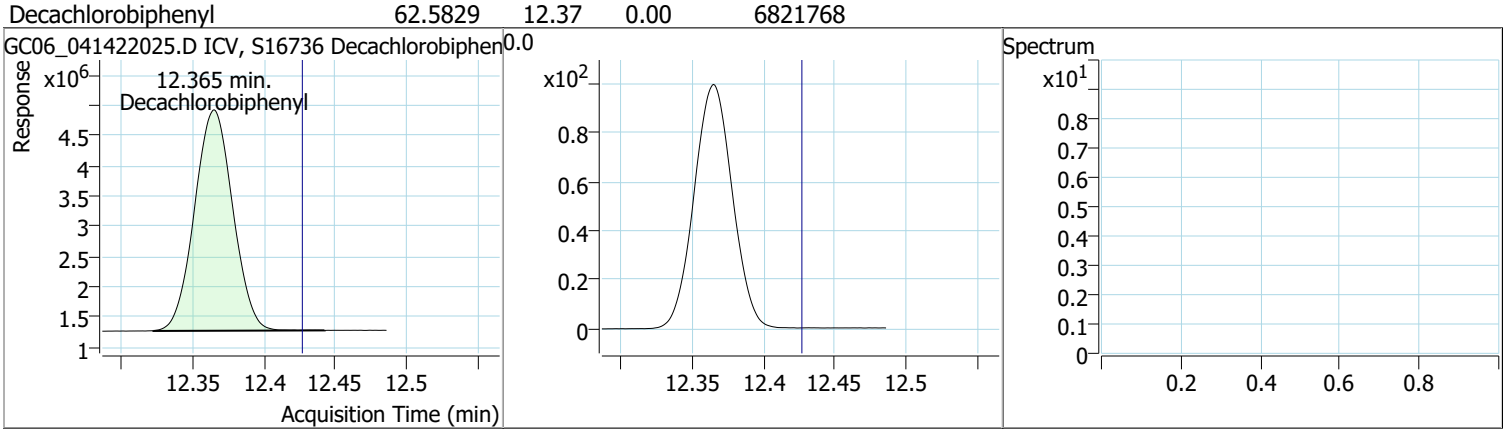
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	21.2201	11.20	-0.01	1304087			



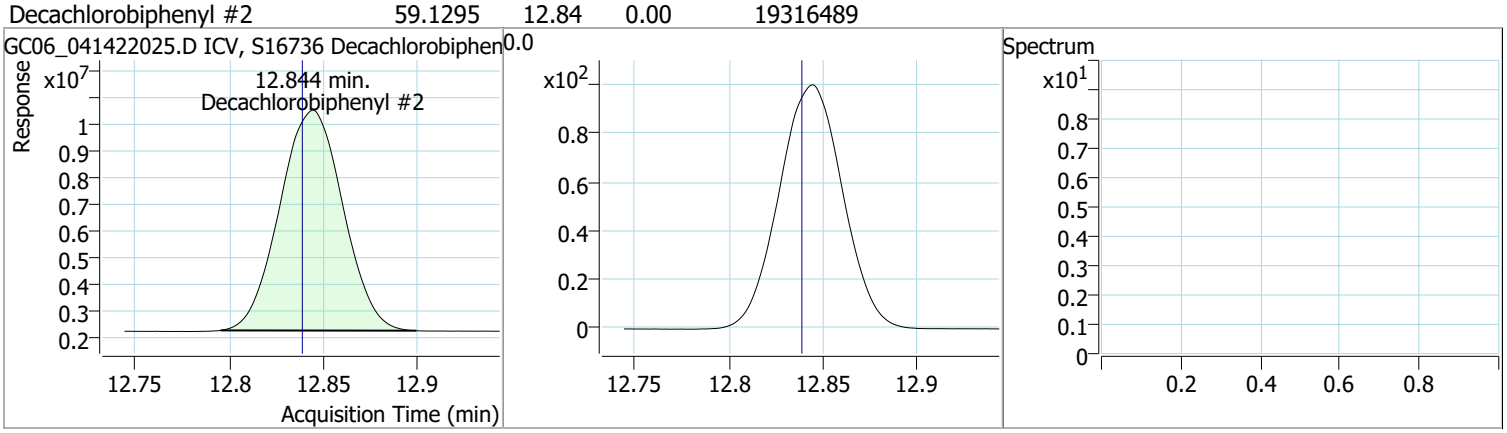
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	40.3514	11.47	0.08	11080565			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	62.5829	12.37	0.00	6821768			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	59.1295	12.84	0.00	19316489			



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 467767 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	452343556002	File:	gc06_082622002	Time:	26-AUG-2022 13:56
Cal:	452150634002	Caldate:	14-APR-2022		

Standards: S17055

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	550.8	ug/L	10	15	0.0000	
Aroclor-1260	A			500.0	569.3	ug/L	14	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.5203	1.7501	20.00	23.02	ug/L	15	15	0.0000	
TCMX (PCB)	A	0.9618	1.9034	20.00	39.58	ug/L	**98**	15	0.0000	c+
Aroclor-1016	B			500.0	579.5	ug/L	**16**	15	0.0000	**c+** ***
Aroclor-1260	B			500.0	605.4	ug/L	**21**	15	0.0000	**c+** ***
Decachlorobiphenyl (PCB)	B	1.2065	1.6012	20.00	26.54	ug/L	**33**	15	0.0000	c+
TCMX (PCB)	B	0.9158	1.9823	20.00	43.29	ug/L	**116**	15	0.0000	c+

ISTD (ICAL gc06_041422016)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	6493014	8218495	26.57
1-bromo-2-nitrobenzene (PCB)	A	1831488	1919479	4.80

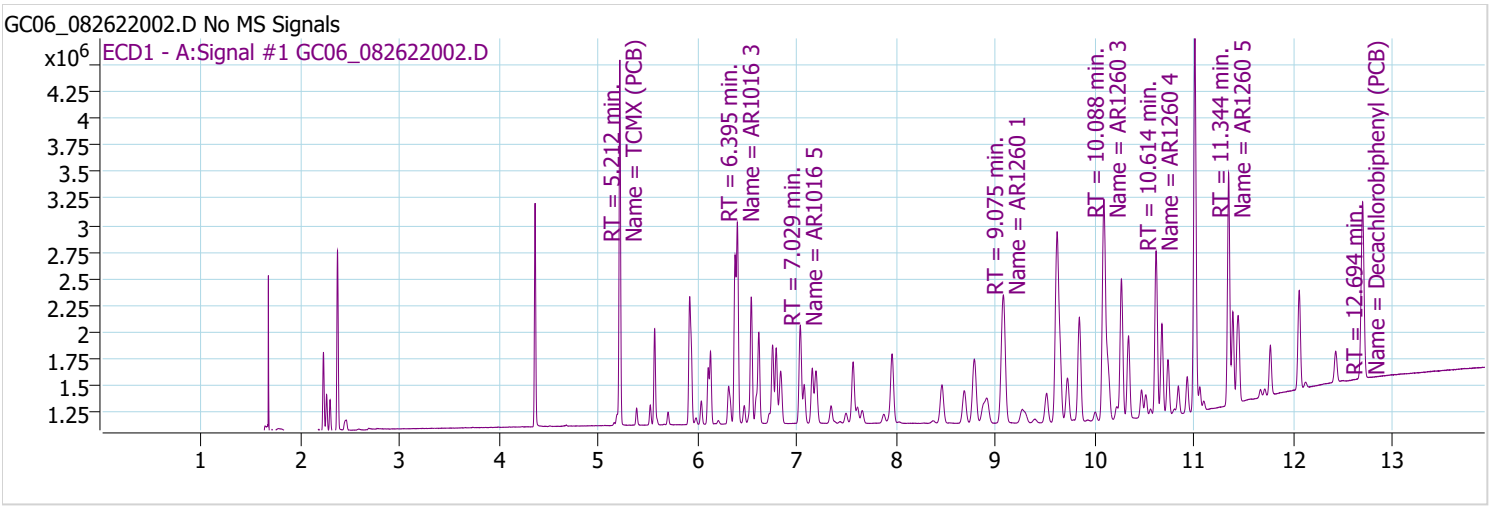
TRN 08/26/22 : Report from CH A

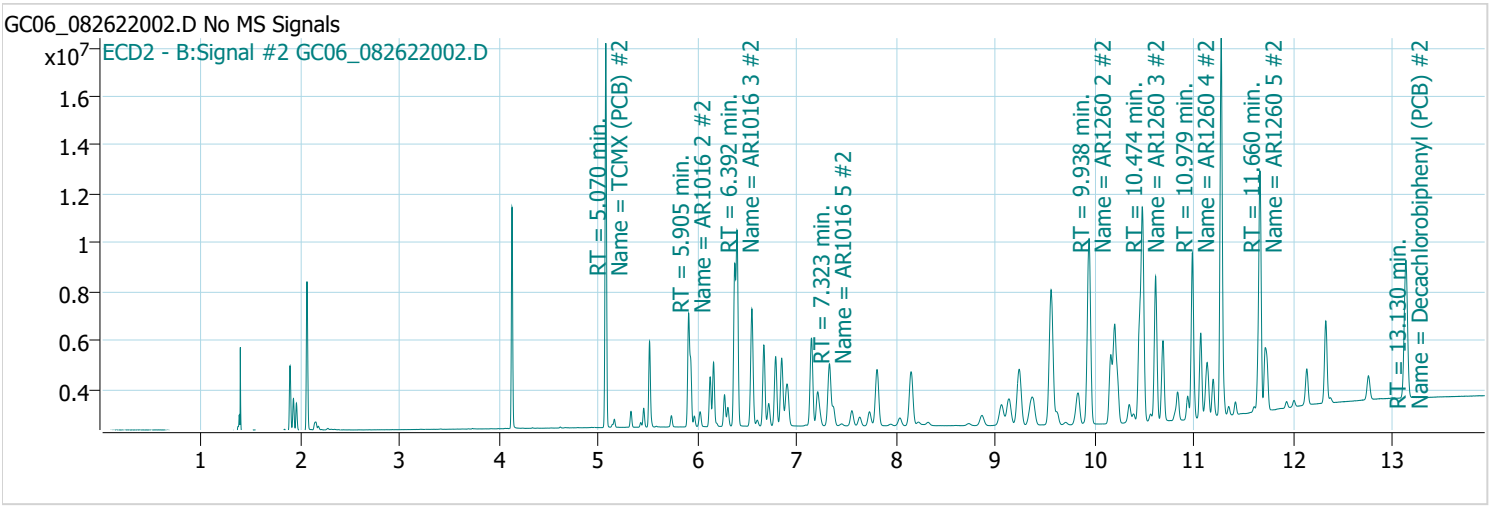
+=high bias c=CCV

Analyst: TRN 08/26/22 **Reviewer:** SLL 08/29/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622002.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/26/2022 1:56:28 PM
Sample Name	CCV, S17055	Instrument	SVOA-GC06
Vial	144	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



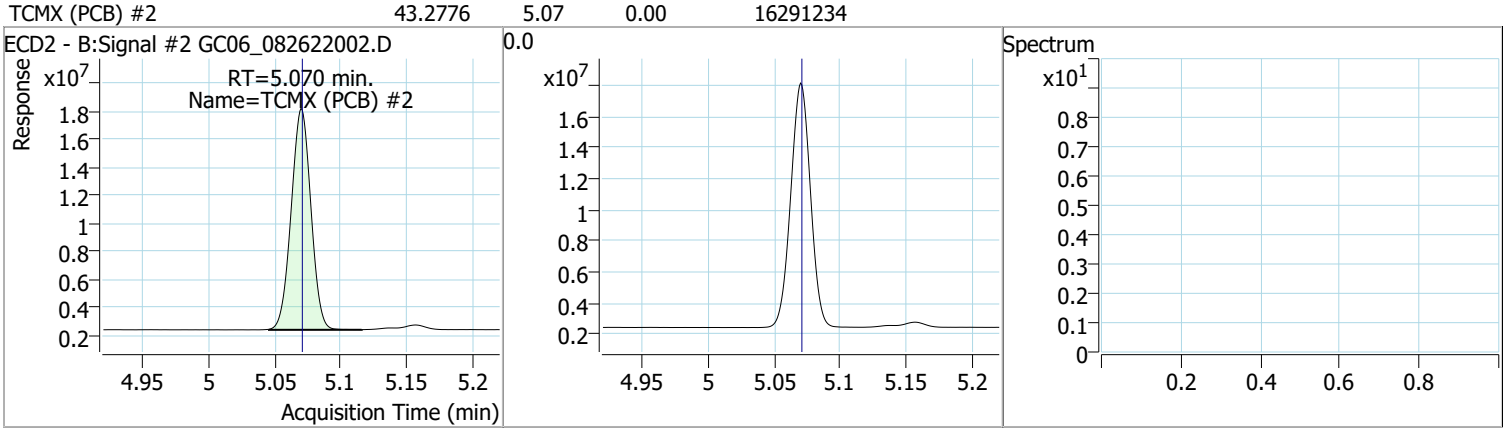


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.125	0.0	8218494.593	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.358	0.0	1919479.072	20.0000	ng/ml		0.002
System Monitoring Compounds							
S TCMX (PCB) #2	5.070	0.0	16291234.129	43.2776	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 216.39%		*	
S TCMX (PCB)	5.212	0.0	3653450.959	39.5705	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 197.85%		*	
S Decachlorobiphenyl (PCB)	12.694	0.0	3359239.629	23.0170	ng/ml		-0.012
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 115.08%			
S Decachlorobiphenyl (PCB) #2	13.130	0.0	13159529.169	26.5355	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 132.68%			
Target Compounds							QValue

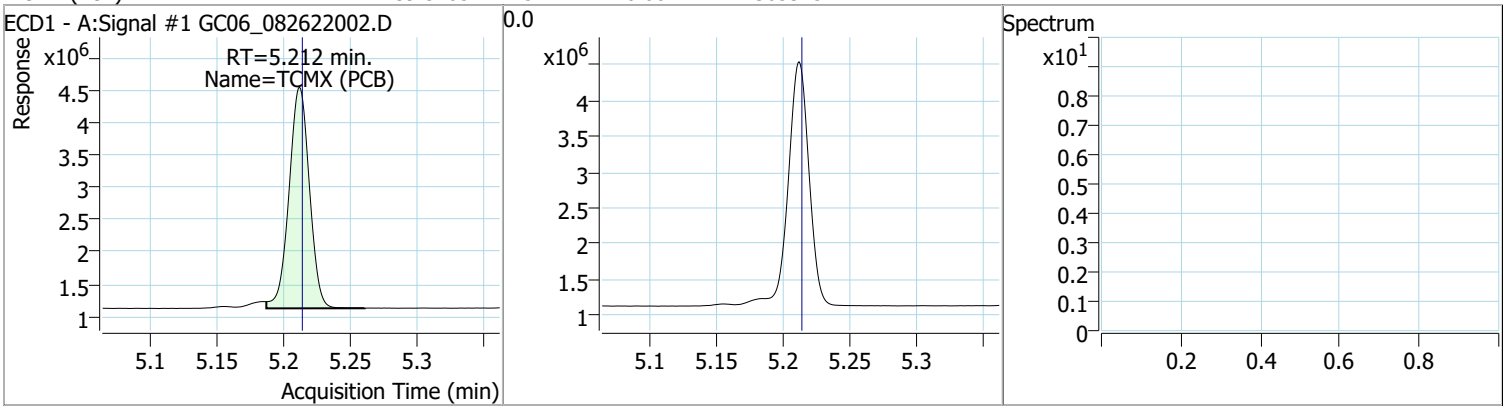
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.511	0.0	4274488.188	555.3903	ng/ml	100
T AR1016 1	5.563	0.0	1090360.480	580.7240	ng/ml	100
T AR1016 2 #2	5.905	0.0	9205725.527	576.3707	ng/ml	100
T AR1016 2	5.916	0.0	2203765.979	539.0542	ng/ml	100
T AR1016 3 #2	6.392	0.0	11832868.321	561.7652	ng/ml	100
T AR1016 3	6.395	0.0	2715067.310	564.2971	ng/ml	100
T AR1016 4	6.535	0.0	1800767.814	500.1343	ng/ml	100
T AR1016 4 #2	6.542	0.0	8308954.061	581.4380	ng/ml	100
T AR1016 5	7.029	0.0	1585119.746	569.1221	ng/ml	100
T AR1016 5 #2	7.323	0.0	6946876.523	621.7807	ng/ml	100
T AR1260 1	9.075	0.0	3437158.892	569.0029	ng/ml	100
T AR1260 1 #2	9.556	0.0	16016236.166	643.8940	ng/ml	100
T AR1260 2	9.617	0.0	5231800.841	562.3147	ng/ml	100
T AR1260 2 #2	9.938	0.0	17641523.891	613.8068	ng/ml	100
T AR1260 3	10.088	0.0	5750483.902	594.5388	ng/ml	100
T AR1260 3 #2	10.474	0.0	24308622.647	622.5284	ng/ml	100
T AR1260 4	10.614	0.0	2746637.464	570.9931	ng/ml	100
T AR1260 4 #2	10.979	0.0	11794601.506	558.2012	ng/ml	100
T AR1260 5	11.344	0.0	3493607.876	548.7437	ng/ml	100
T AR1260 5 #2	11.660	0.0	18309367.109	587.7400	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

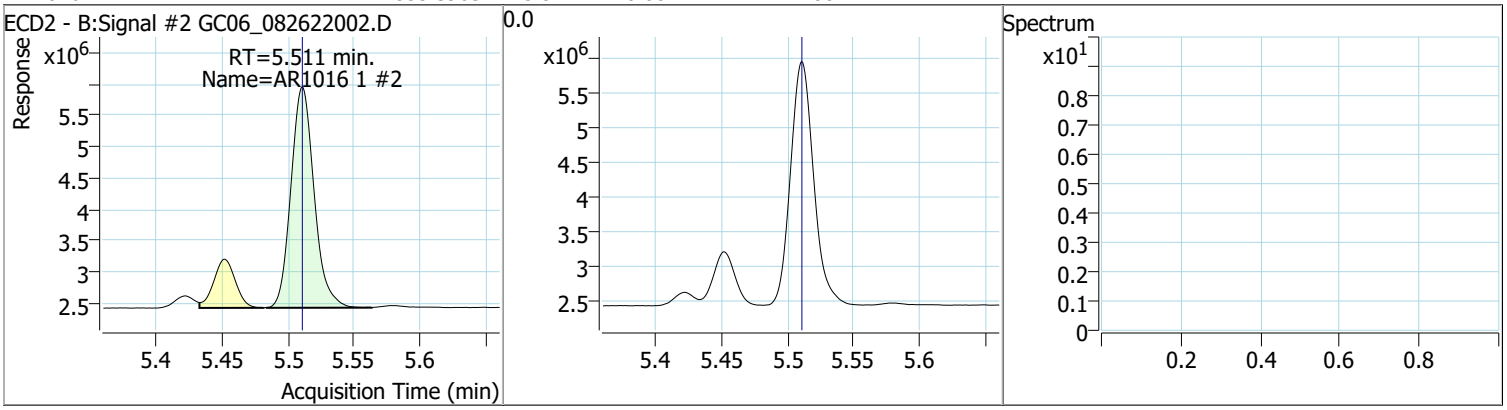
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	43.2776	5.07	0.00	16291234				



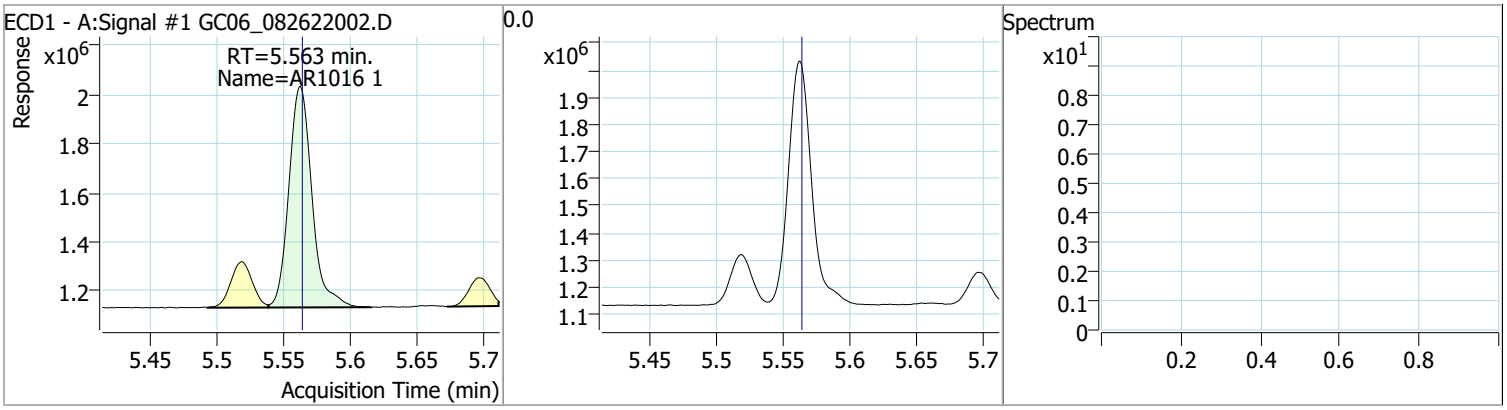
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.5705	5.21	0.00	3653451				



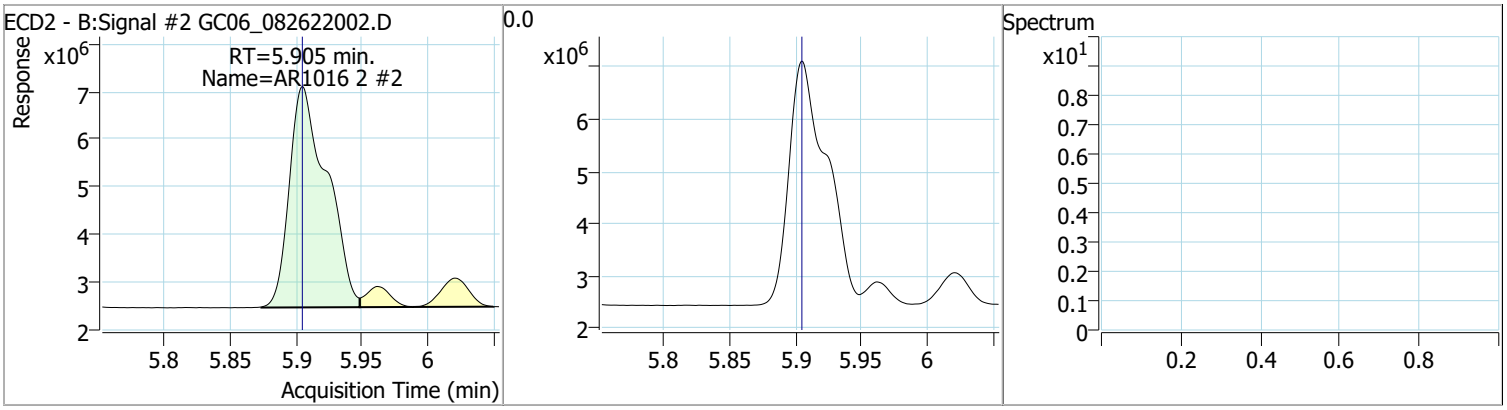
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	555.3903	5.51	0.00	4274488				



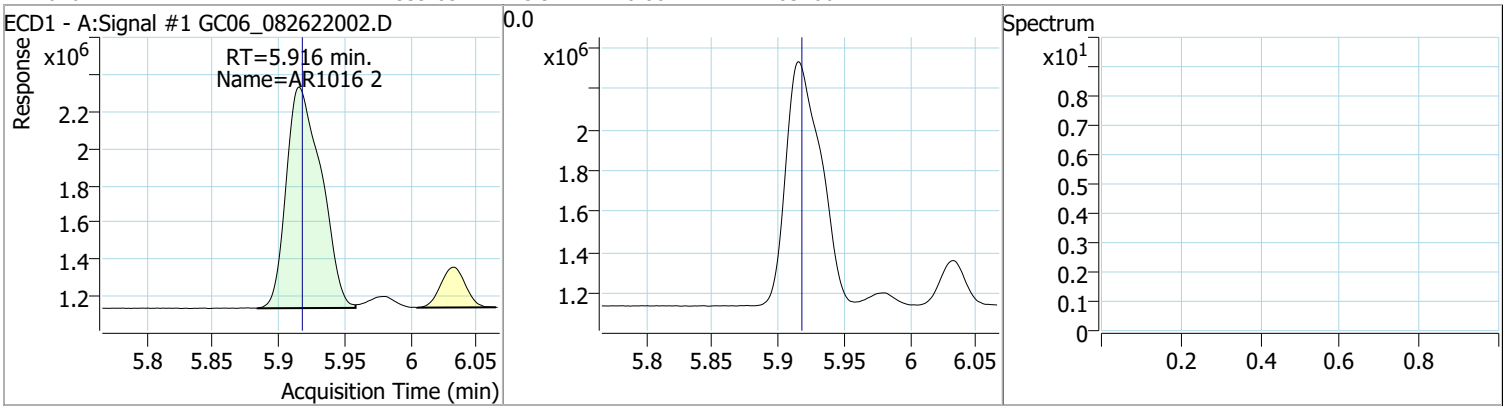
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	580.7240	5.56	0.00	1090360				



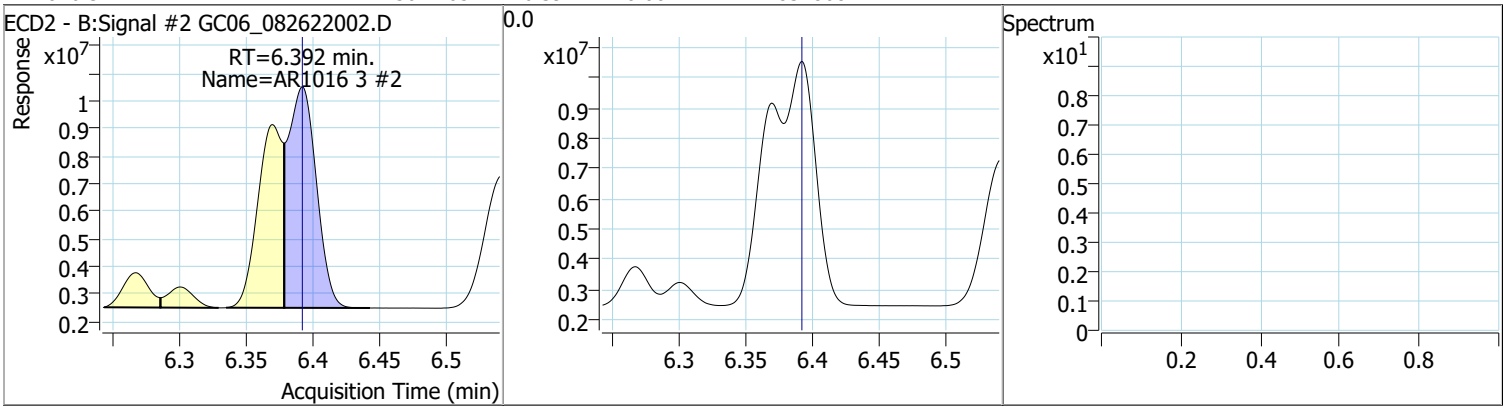
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	576.3707	5.91	0.00	9205726				



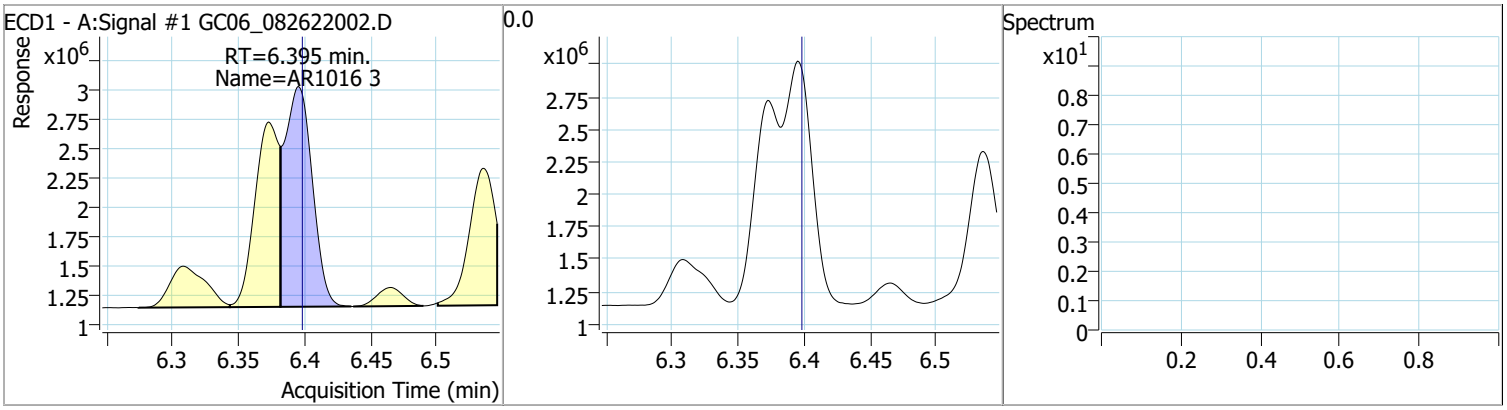
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	539.0542	5.92	0.00	2203766				



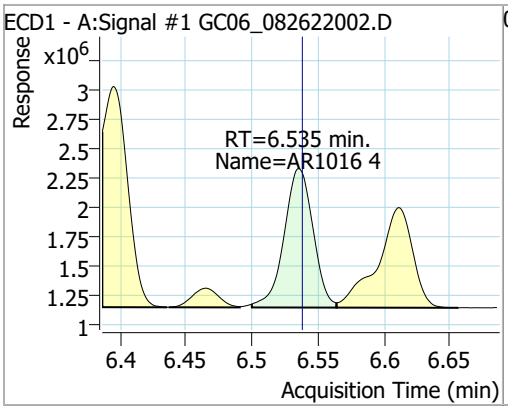
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	561.7652	6.39	0.00	11832868				

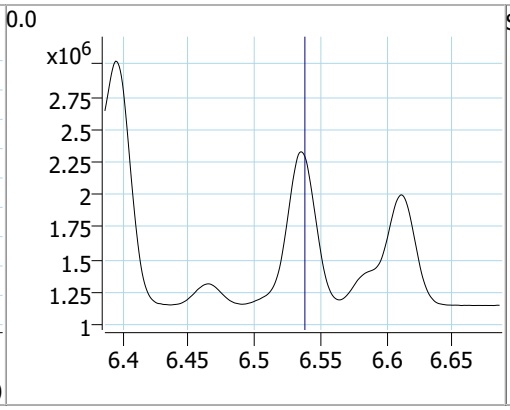


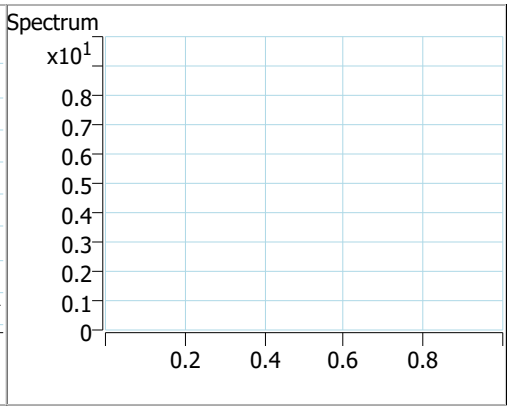
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	564.2971	6.40	0.00	2715067				



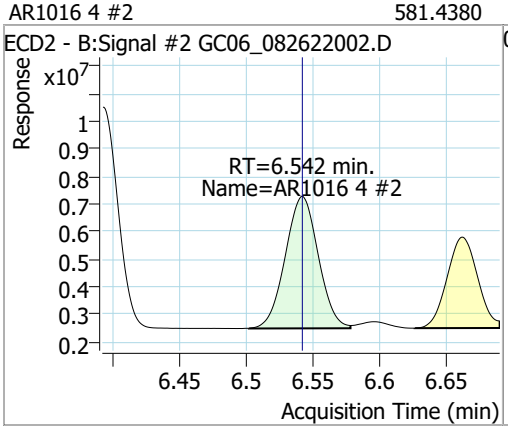
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	500.1343	6.54	0.00	1800768				

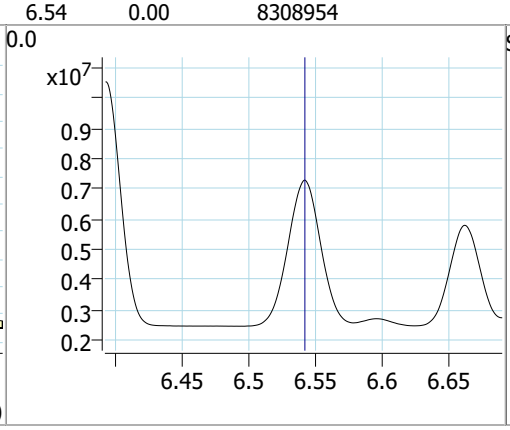


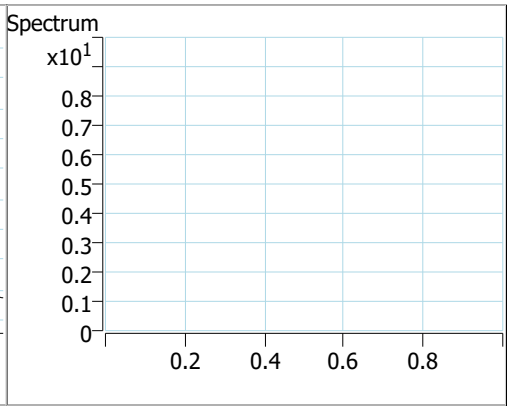




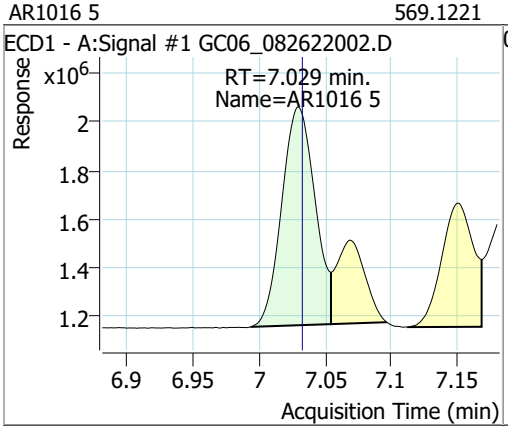
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	581.4380	6.54	0.00	8308954				

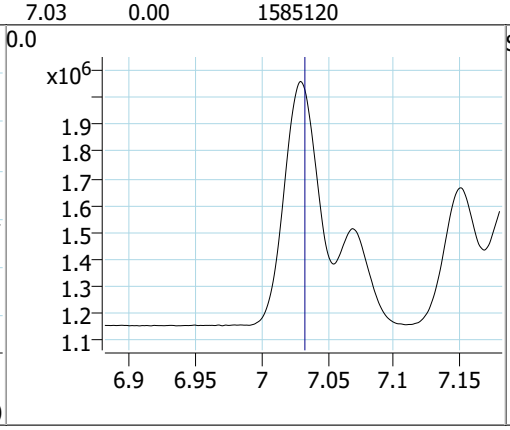


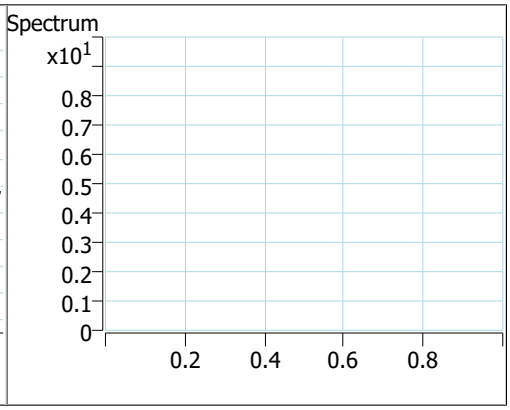




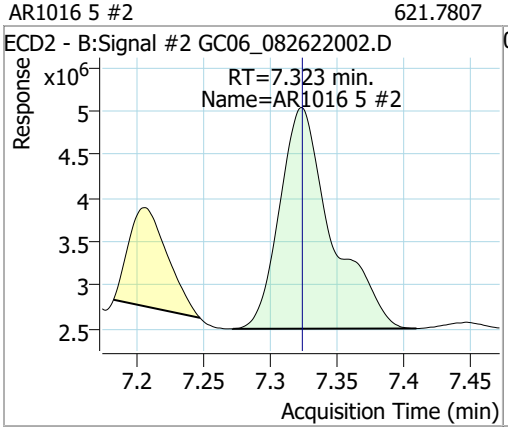
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	569.1221	7.03	0.00	1585120				

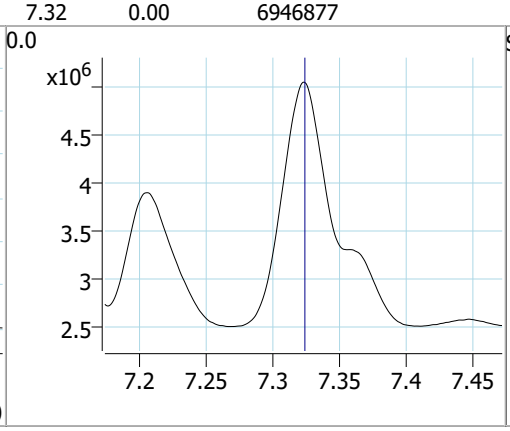


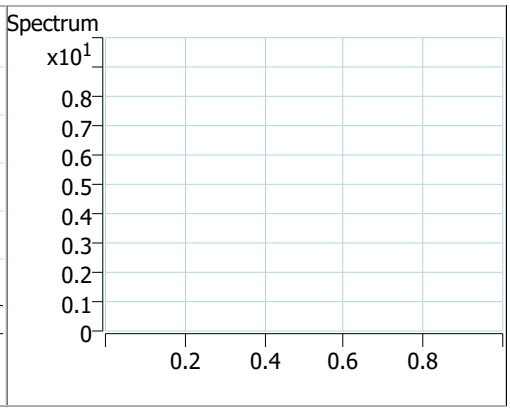




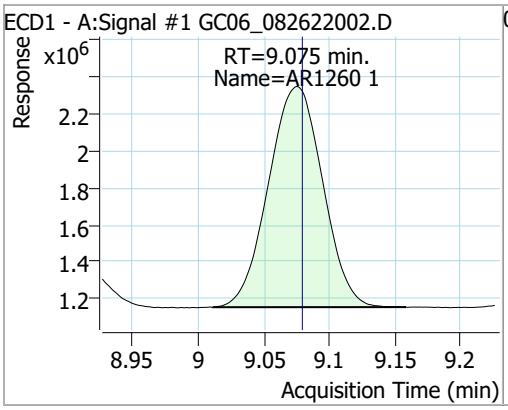
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	621.7807	7.32	0.00	6946877				

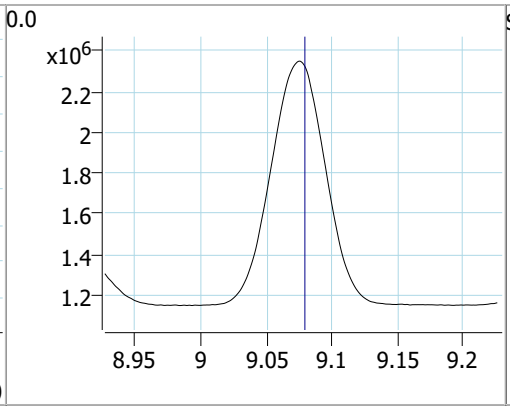


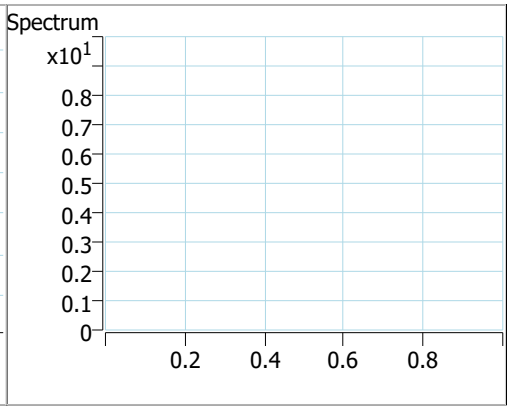




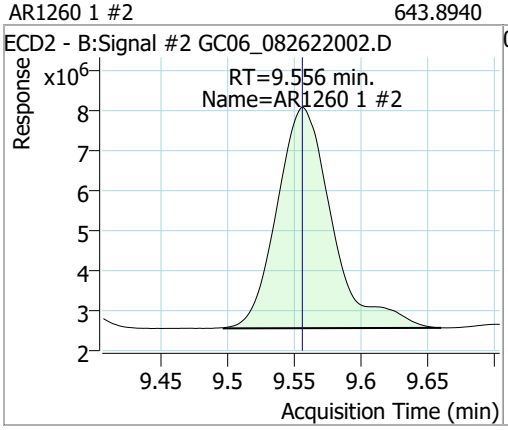
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	569.0029	9.08	0.00	3437159				

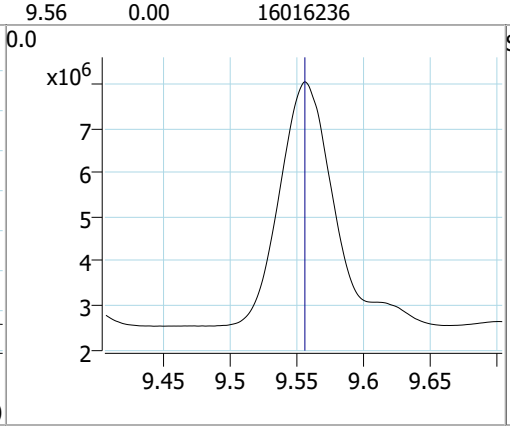


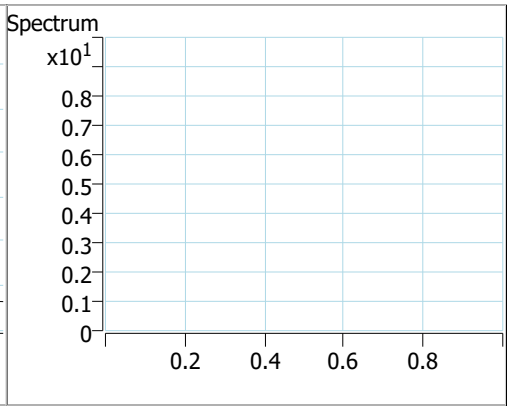




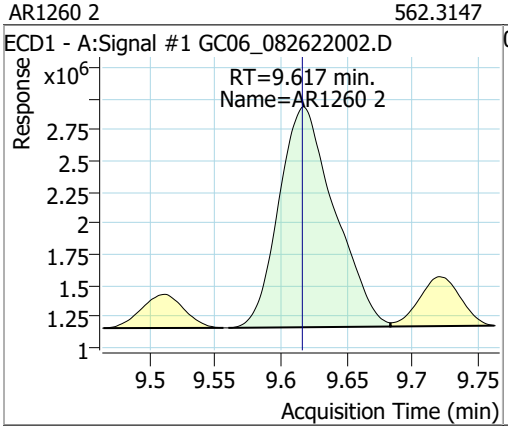
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	643.8940	9.56	0.00	16016236				

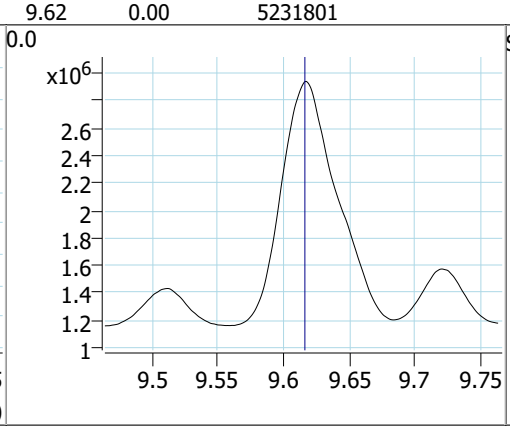


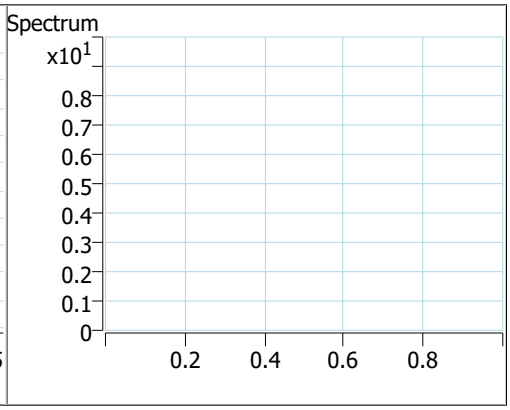




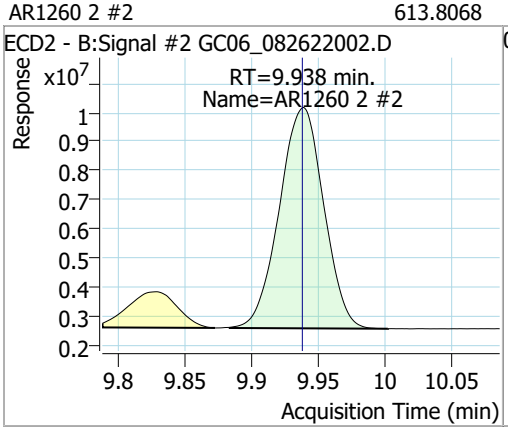
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	562.3147	9.62	0.00	5231801				

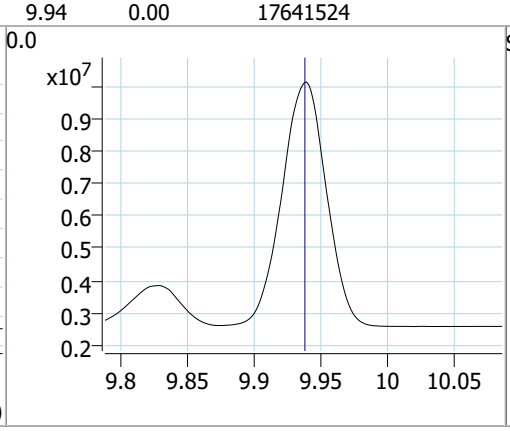


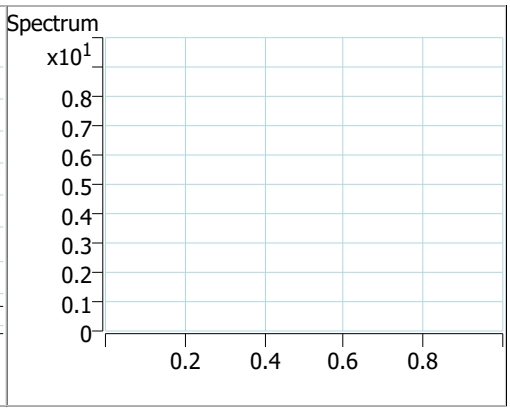




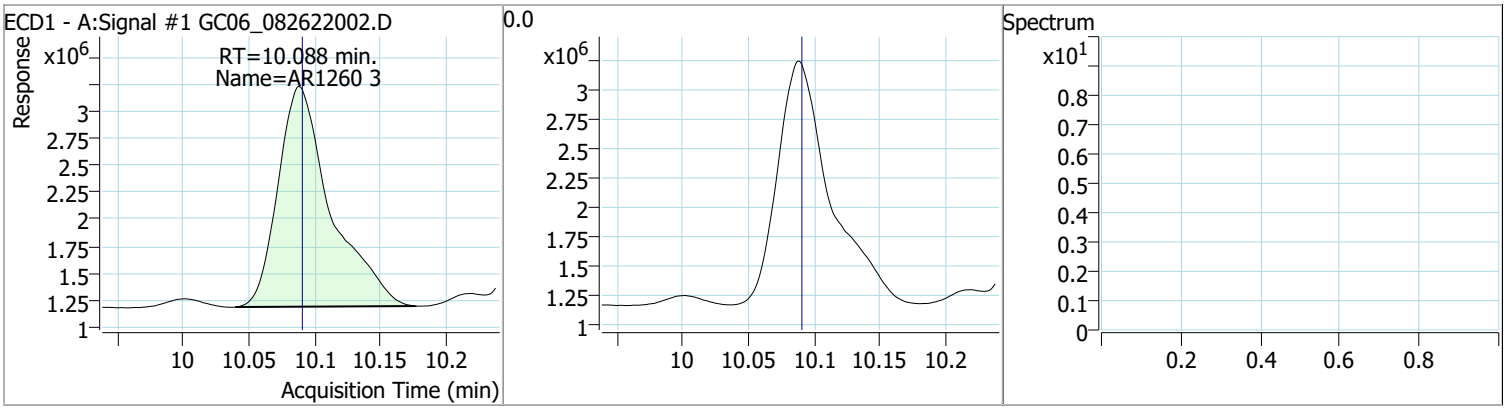
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	613.8068	9.94	0.00	17641524				



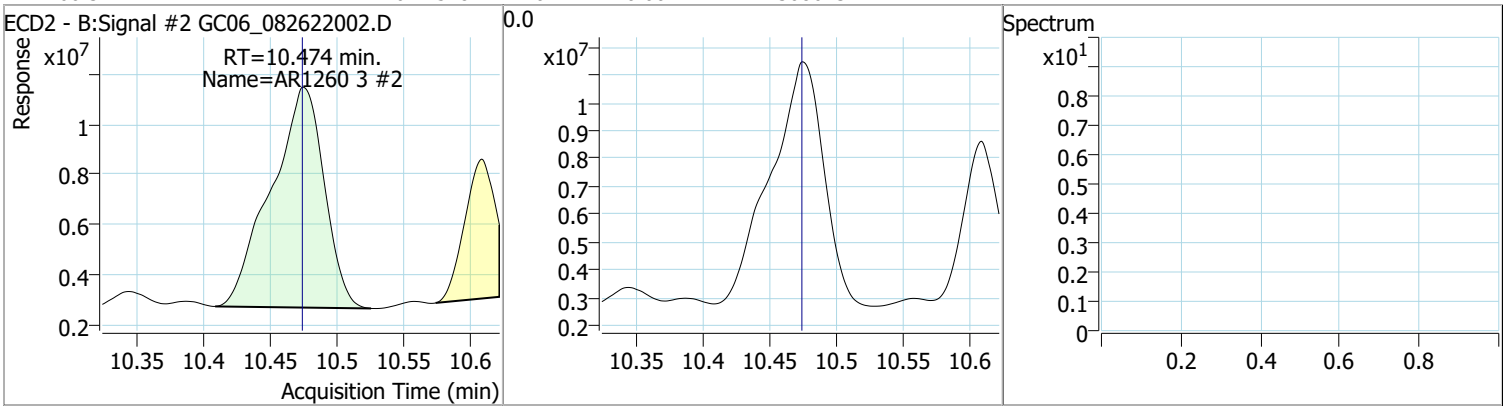




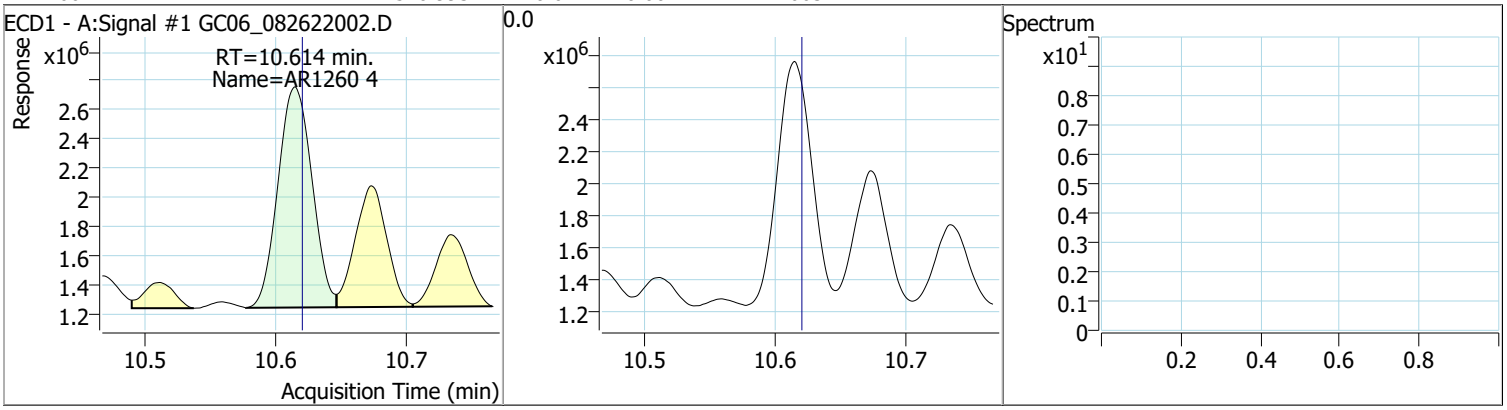
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	594.5388	10.09	0.00	5750484				



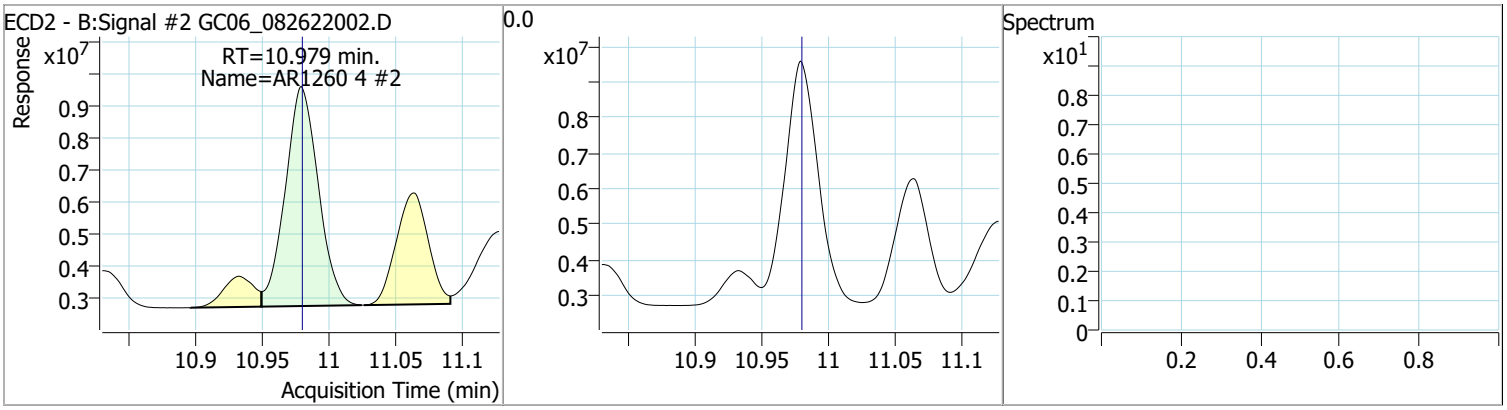
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	622.5284	10.47	0.00	24308623				



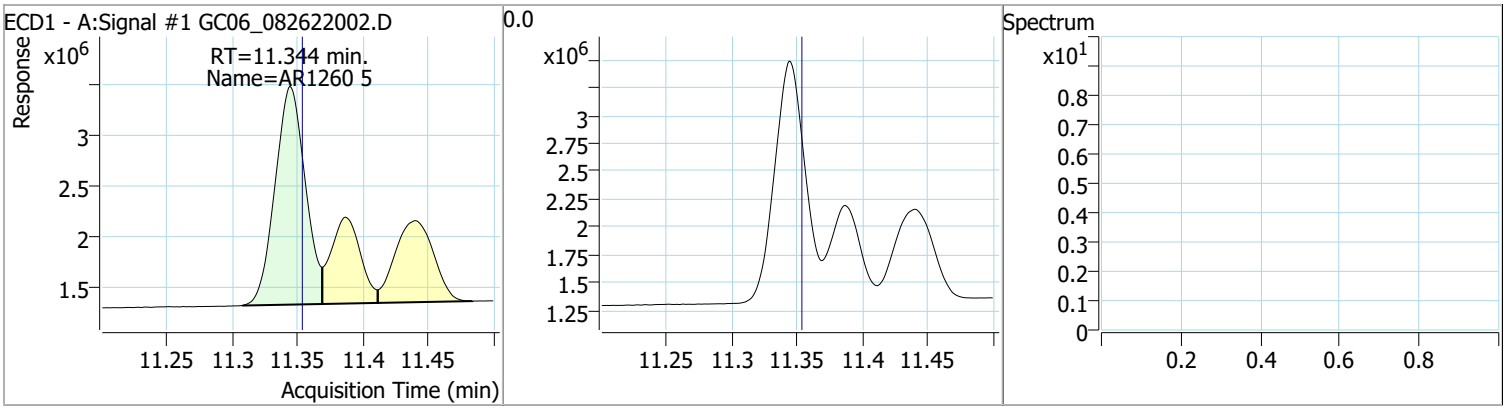
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	570.9931	10.61	0.00	2746637				



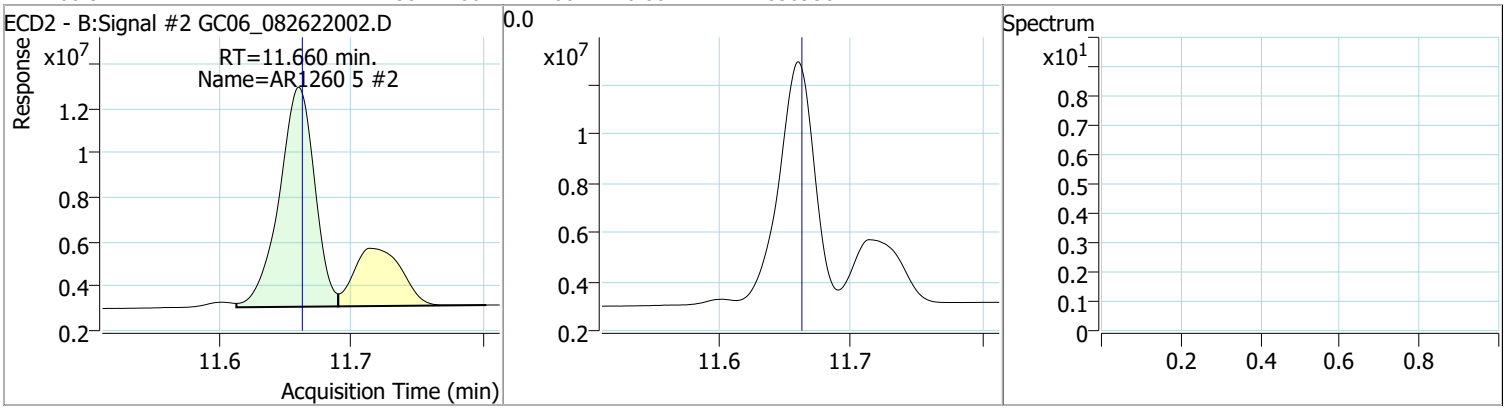
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	558.2012	10.98	0.00	11794602				



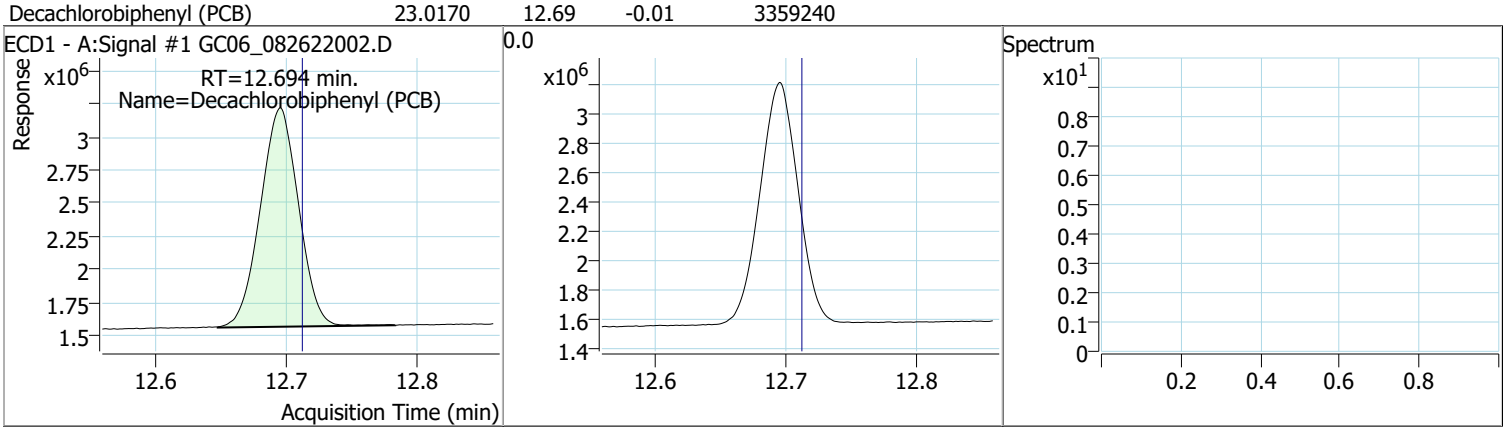
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	548.7437	11.34	0.00	3493608				



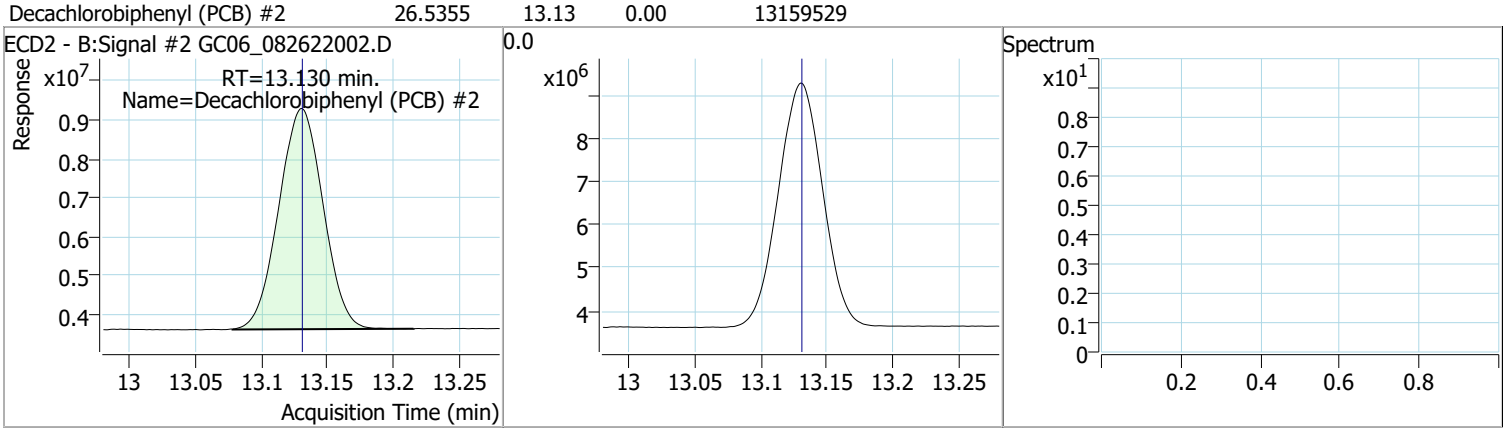
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	587.7400	11.66	0.00	18309367				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	23.0170	12.69	-0.01	3359240				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	26.5355	13.13	0.00	13159529				



Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 467767
Report Level: IV
Report Date: 01/05/2023

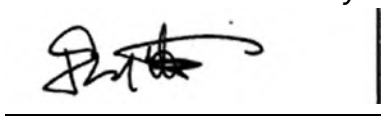
Metals

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	467767
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	08/22/22

Sample ID	Lab ID	Collected	Matrix
220822-L-MEDBLANK	467767-002	08/22/22 10:36	Wipe

Case Narrative

METALS (EPA 6010B)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 467767 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 08/22/22

This data package contains sample and QC results for one wipe sample, requested for the above referenced project on 08/23/22. See attached cooler receipt form for any sample receipt problems or discrepancies.

Metals (EPA 6010B):

No analytical problems were encountered.

Chain of Custody

467767

JG

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

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Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation
Report PCB concentrations on a µg/100cm² basis
Report lead concentrations on a µg/ft² basis
Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure A

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
16	220822-P-MEDBLANK	8/22/2022	1036	WP	1		X			Collected from Low Occupancy zone of Hanagar
17	220822-L-MEDBLANK	8/22/2022	1036	WP	1			X		Collected from Low Occupancy zone of Hanagar
18	DOOR-N-0.4GE-PS-20-220820-L-GP	8/20/2022	0956	WP	1			X		HOLD
19	DOOR-N-0.4GE-PS-20-220820-P-GP	8/20/2022	0956	WP	1		X			HOLD
20	DOOR-N-0.3GE-DG-7T020-220820-L-LA	8/20/2022	0928	WP	1		X			HOLD
MK 21	P-LA	8/ /2022		WP						~~HOLD~~ MK
22	DOOR-N-0.3GE-DG-7T020-	8/20/2022	0928	WP	1			X		HOLD
MK 23	220820-L-LA	8/ /2022		WP						~~HOLD~~ MK
24	DOOR-N-0.1GE-EXT-5T06-	8/20/2022	0945	WP	1			X		HOLD
MK 25	220820-L-CB	8/ /2022		WP						~~HOLD~~ MK
26	DOOR-N-0.1GE-EXT-5T06-	8/20/2022	0945	WP	1			X		HOLD
MK 27	220820-L-DUP-CB	8/ /2022		WP						~~HOLD~~ MK
28	DOOR-N-0.1GE-EXT-5T06-	8/20/2022	0945	WP	1		X			HOLD
MK 29	220820-P-CB	8/ /2022		WP						
30		8/ /2022		WP						

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michaela Kim	Rincon/Env Scientist	1350 8/22/22
[1] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	1350 8/22/22
[2] Relinquished By:	Audrey Hudson	"	"	16:14 8/22/22
[2] Received By:		Marcus Li & P	EA	8/22/22 16:14
[3] Relinquished By:		Lisa Fong	EA	8/22/22 17:53
[3] Received By:		Yanira	er	8/23/2022 08:35

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 467767 Client: Rincon

Date Received: 8.22.22 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☐ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 8.22 By (print) JH (sign) JH

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☐ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: 1.2, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	–		
Were Method 5035 sampling containers present?		–	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	–		
Are there any missing / extra samples?		–	
Are samples in the appropriate containers for indicated tests?	–		
Are sample labels present, in good condition and complete?	–		
Does the container count match the COC?	–		
Do the sample labels agree with custody papers?	–		
Was sufficient amount of sample sent for tests requested?	–		
Did you change the hold time in LIMS for unpreserved VOAs?			–
Did you change the hold time in LIMS for preserved terracores?			–
Are bubbles > 6mm present in VOA samples?			–
Was the client contacted concerning this sample delivery?		–	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 8-22 **By (print)** MAY **(sign)** _____

Date Labeled 8-22 **By (print)** JH **(sign)** JH

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants, Inc. Project: Hangar 1 - NCTRA WP / 158 Cody Road Mountain View, CA

Date Received: 8/23/2022 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.8 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: Greyhound

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☑ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.9 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Yanira Date: 8/23/2022

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931 W. Barkley Ave, Orange, CA 92868 • T: (714) 771-6900 • F: (714) 538-1209
www.enthalpy.com/socal

9/5.8

c/0.9

ENTHALPY ANALYTICAL

Chain of Custody Record — COC ID

Page: 3 of 4

Turn Around Time (rush by advanced notice only)

Standard	X (PCBs)	5 Day		3 Day	
2 Day		1 Day	X (Pb)	Custom TAT	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company	Rincon Consultants, Inc	Quote #:	RIN031721
Report To	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
E-mail:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M Kim

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure A

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	
16	220820-P-MEDBLANK	8/22/2022	1036	WP	1		X			Collected from Low Occupancy zone of Hangar
17	220820-L-MEDBLANK	8/22/2022	1036	WP	1			X		Collected from Low Occupancy zone of Hangar
18	DOOR-N-0.4GE-PS-20-220820-L-LA	8/20/2022	0956	WP	1			X	X	HOLD
19	DOOR-N-0.4GE-PS-20-220820-P-LA	8/20/2022	0956	WP	1		X		X	HOLD
20	DOOR-N-0.3GE-DG-7T020-220820-P-LA	8/20/2022	0928	WP	1		X		X	HOLD
MK 21		8/ /2022		WP						HOLD MK
22	DOOR-N-0.3GE-DG-7T020-	8/20/2022	0928	WP	1			X	X	HOLD
MK 23	220820-L-LA	8/ /2022		WP						~~HOLD~~ MK
24	DOOR-N-0.1GE-EXT-5T06-	8/20/2022	0945	WP	1			X	X	HOLD
MK 25	220820-L-CB	8/ /2022		WP						~~HOLD~~ MK
26	DOOR-N-0.1GE-EXT-5T06-	8/20/2022	0945	WP	1			X	X	HOLD
MK 27	220820-L-DUP-CB	8/ /2022		WP						~~HOLD~~ MK
28	DOOR-N-0.1GE-EXT-5T06-	8/20/2022	0945	WP	1		X		X	HOLD
MK 29	220820-P-CB	8/ /2022		WP						
30		8/ /2022		WP						

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michaela Kim	Rincon Env Scientist	1350 8/22/22
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	1:50 8/22/22
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

Results & QC Summary

ENTHALPY ANALYTICAL

Lead

Lab #: 467767 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID:	220822-L-MEDBLANK	**Batch#:**	295518	**Prep:**	EPA 3050B
Type:	SAMPLE	**Sampled:**	08/22/22	**Analysis:**	EPA 6010B
Lab ID:	467767-002	**Received:**	08/22/22	**Analyst:**	KLN
Matrix:	Wipe	**Prepared:**	08/23/22		
Diln Fac:	1.000	**Analyzed:**	08/23/22		

467767-002 Analyte	Result	RL	Units
Lead	**3.6**	0.50	ug/ft2

Type:	BLANK	**Batch#:**	295518	**Analysis:**	EPA 6010B
Lab ID:	QC1008181	**Prepared:**	08/23/22	**Analyst:**	KLN
Matrix:	Wipe	**Analyzed:**	08/23/22		
Diln Fac:	1.000	**Prep:**	EPA 3050B		

QC1008181 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 467767 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 295518 **Analysis:** EPA 6010B

Lab ID: QC1008182 **Prepared:** 08/23/22 **Analyst:** KLN

Matrix: Wipe **Analyzed:** 08/23/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1008182 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	101.8	102	80-120	ug/ft2

Type: BSD **Batch#:** 295518 **Analysis:** EPA 6010B

Lab ID: QC1008183 **Prepared:** 08/23/22 **Analyst:** KLN

Matrix: Wipe **Analyzed:** 08/23/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1008183 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	102.9	103	80-120	ug/ft2	1	20

Legend

RPD: Relative Percent Difference

REPORTING SUMMARY FOR 467767 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	PB	
467767-002	MET06	08/23/22 12:46	1.0	+	
QC1008181	MET06	08/23/22 11:49	1.0		
QC1008181	MET06	08/23/22 12:29	1.0	+	
QC1008182	MET06	08/23/22 12:39	1.0	+	
QC1008183	MET06	08/23/22 12:42	1.0	+	

Enthalpy Sequence Summary for Sequence 482338973

Instrument : MET06 Begun : 08/23/22 09:33
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master	ICALBLK	CALBLANK			08/23/22 09:33	1.0	1	
002	met06_master	ICAL	L1			08/23/22 09:37	1.0	2 1	
003	met06_master	ICAL	L2			08/23/22 09:40	1.0	3 1	
004	met06_master	ICAL	L3			08/23/22 09:43	1.0	4 1	
005	met06_master	ICAL	L4			08/23/22 09:46	1.0	5 1	
006	met06_master	ICAL	L5			08/23/22 09:50	1.0	6 1	
007	met06_master	ICAL	L6			08/23/22 09:53	1.0	7 1	
008	met06_master	ICAL	L7			08/23/22 09:56	1.0	8 1	
009	met06_master	ICAL	L8			08/23/22 10:00	1.0	9 1	
010	met06_master	ICV				08/23/22 10:03	1.0	10 1	
011	met06_master	CRI				08/23/22 10:06	1.0	11 1	
012	met06_master	ICB				08/23/22 10:10	1.0	1	
013	met06_master	ICSA				08/23/22 10:13	1.0	12 1	4:MGASMGCO3=1400
014	met06_master	ICSAB				08/23/22 10:16	1.0	13 1	4:MGASMGCO3=1400
015	met06_master	BS	QC1007818	Soil	295419	08/23/22 10:19	1.0	1	
016	met06_master	BSD	QC1007819	Soil	295419	08/23/22 10:23	1.0	1	
017	met06_master	SAMPLE	467401-001	Water	295313	08/23/22 10:26	1.0	1	2:K=4800
018	met06_master	LCS	QC1007951	TCLP Leachate	295454	08/23/22 10:31	1.0	1	
019	met06_master	SAMPLE	467595-001	Miscell.	295415	08/23/22 10:34	1.0	1	1:AL=2900
020	met06_master	LCS	QC1007812	Soil	295416	08/23/22 10:37	1.0	1	
021	met06_master	SAMPLE	467519-022	Soil	295416	08/23/22 10:41	1.0	1	
022	met06_master	SAMPLE	467519-024	Soil	295416	08/23/22 10:44	1.0	1	1:FE=160
023	met06_master	CCV				08/23/22 10:48	1.0	10 1	
024	met06_master	CCB				08/23/22 10:52	1.0	1	
025	met06_master	SAMPLE	467519-027	Soil	295416	08/23/22 10:55	1.0	1	
026	met06_master	SAMPLE	467519-039	Soil	295416	08/23/22 10:58	1.0	1	
027	met06_master	SAMPLE	467519-043	Soil	295416	08/23/22 11:01	1.0	1	
028	met06_master	CCV				08/23/22 11:05	1.0	10 1	
029	met06_master	CCB				08/23/22 11:08	1.0	1	
030	met06_master	BLANK	QC1008177	Water	295517	08/23/22 11:29	1.0	1	
031	met06_master	LCS	QC1008178	Water	295517	08/23/22 11:33	1.0	1	
032	met06_master	SAMPLE	467758-002	Sea Water	295517	08/23/22 11:36	1.0	1	4:NA=3500
033	met06_master	MSS	467782-001	Water	295517	08/23/22 11:39	1.0	1	2:NA=1100
034	met06_master	MS	QC1008179	Water	295517	08/23/22 11:42	1.0	1	2:NA=1000
035	met06_master	MSD	QC1008180	Water	295517	08/23/22 11:46	1.0	1	2:NA=1000
036	met06_master	BLANK	QC1008181	Wipe	295518	08/23/22 11:49	1.0	1	
037	met06_master	CCV				08/23/22 11:54	1.0	10 1	
038	met06_master	CCB				08/23/22 11:57	1.0	1	
039	met06_master	SAMPLE	467519-027	Soil	295416	08/23/22 12:00	1.0	1	
040	met06_master	SAMPLE	467519-039	Soil	295416	08/23/22 12:03	1.0	1	
041	met06_master	SAMPLE	467519-043	Soil	295416	08/23/22 12:07	1.0	1	
042	met06_master	BLANK	QC1008177	Water	295517	08/23/22 12:10	1.0	1	
043	met06_master	LCS	QC1008178	Water	295517	08/23/22 12:13	1.0	1	
044	met06_master	SAMPLE	467758-002	Sea Water	295517	08/23/22 12:16	1.0	1	4:NA=3300
045	met06_master	MSS	467782-001	Water	295517	08/23/22 12:20	1.0	1	2:NA=1100
046	met06_master	MS	QC1008179	Water	295517	08/23/22 12:23	1.0	1	2:NA=1000
047	met06_master	MSD	QC1008180	Water	295517	08/23/22 12:26	1.0	1	2:NA=1000
048	met06_master	BLANK	QC1008181	Wipe	295518	08/23/22 12:29	1.0	1	
049	met06_master	CCV				08/23/22 12:33	1.0	10 1	
050	met06_master	CCB				08/23/22 12:36	1.0	1	
051	met06_master	BS	QC1008182	Wipe	295518	08/23/22 12:39	1.0	1	
052	met06_master	BSD	QC1008183	Wipe	295518	08/23/22 12:42	1.0	1	

Enthalpy Sequence Summary for Sequence 482338973

Instrument : MET06 Begun : 08/23/22 09:33
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met06_master	SAMPLE	467767-002	Wipe	295518	08/23/22 12:46	1.0	1	
054	met06_master	CCV				08/23/22 12:49	1.0	10 1	
055	met06_master	CCB				08/23/22 12:52	1.0	1	
056	met06_master	BLANK	QC1008205	Wipe	295524	08/23/22 13:09	1.0	1	
057	met06_master	BS	QC1008206	Wipe	295524	08/23/22 13:12	1.0	1	
058	met06_master	BSD	QC1008207	Wipe	295524	08/23/22 13:15	1.0	1	
059	met06_master	SAMPLE	467769-002	Wipe	295524	08/23/22 13:19	1.0	1	
060	met06_master	SAMPLE	467769-003	Wipe	295524	08/23/22 13:22	1.0	1	
061	met06_master	SAMPLE	467769-005	Wipe	295524	08/23/22 13:25	1.0	1	
062	met06_master	SAMPLE	467769-006	Wipe	295524	08/23/22 13:28	1.0	1	
063	met06_master	SAMPLE	467771-002	Wipe	295524	08/23/22 13:32	1.0	1	
064	met06_master	SAMPLE	467771-004	Wipe	295524	08/23/22 13:35	1.0	1	
065	met06_master	SAMPLE	467771-006	Wipe	295524	08/23/22 13:38	1.0	1	
066	met06_master	CCV				08/23/22 13:41	1.0	10 1	
067	met06_master	CCB				08/23/22 13:45	1.0	1	
068	met06_master	SAMPLE	467771-008	Wipe	295524	08/23/22 13:48	1.0	1	
069	met06_master	SAMPLE	467774-002	Wipe	295524	08/23/22 13:51	1.0	1	
070	met06_master	SAMPLE	467774-004	Wipe	295524	08/23/22 13:54	1.0	1	
071	met06_master	SAMPLE	467774-006	Wipe	295524	08/23/22 13:58	1.0	1	
072	met06_master	SAMPLE	467774-008	Wipe	295524	08/23/22 14:01	1.0	1	
073	met06_master	BLANK	QC1008173	Soil	295516	08/23/22 14:04	1.0	1	
074	met06_master	LCS	QC1008227	Soil	295516	08/23/22 14:07	1.0	1	
075	met06_master	SAMPLE	467649-005	Soil	295516	08/23/22 14:11	1.0	1	2:FE=350
076	met06_master	SAMPLE	467682-001	Soil	295516	08/23/22 14:14	1.0	1	
077	met06_master	SAMPLE	467682-002	Soil	295516	08/23/22 14:17	1.0	1	
078	met06_master	CCV				08/23/22 14:20	1.0	10 1	
079	met06_master	CCB				08/23/22 14:24	1.0	1	
080	met06_master	SAMPLE	467682-003	Soil	295516	08/23/22 14:27	1.0	1	1:FE=180
081	met06_master	SAMPLE	467682-004	Soil	295516	08/23/22 14:30	1.0	1	1:FE=170
082	met06_master	SAMPLE	467682-005	Soil	295516	08/23/22 14:34	1.0	1	1:FE=190
083	met06_master	SAMPLE	467682-006	Soil	295516	08/23/22 14:37	1.0	1	
084	met06_master	SAMPLE	467682-007	Soil	295516	08/23/22 14:40	1.0	1	3:FE=220
085	met06_master	SAMPLE	467682-008	Soil	295516	08/23/22 14:43	1.0	1	1:FE=200
086	met06_master	SAMPLE	467682-009	Soil	295516	08/23/22 14:47	1.0	1	1:FE=180
087	met06_master	SAMPLE	467682-010	Soil	295516	08/23/22 14:50	1.0	1	1:FE=200
088	met06_master	SAMPLE	467682-011	Soil	295516	08/23/22 14:53	1.0	1	1:FE=210
089	met06_master	SAMPLE	467690-001	Miscell.	295516	08/23/22 14:56	1.0	1	3:FE=400
090	met06_master	CCV				08/23/22 15:00	1.0	10 1	
091	met06_master	CCB				08/23/22 15:03	1.0	1	
092	met06_master	SAMPLE	467690-002	Miscell.	295516	08/23/22 15:06	1.0	1	3:FE=430
093	met06_master	SAMPLE	467690-003	Miscell.	295516	08/23/22 15:09	1.0	1	3:FE=440
094	met06_master	MSS	467694-001	Soil	295516	08/23/22 15:13	1.0	1	3:FEASFE2O3=250
095	met06_master	MS	QC1008174	Soil	295516	08/23/22 15:16	1.0	1	3:ALASAL2O3=280
096	met06_master	MSD	QC1008175	Soil	295516	08/23/22 15:19	1.0	1	3:ALASAL2O3=290
097	met06_master	PDS	QC1008176	Soil	295516	08/23/22 15:22	1.0	1	1:FE=170
098	met06_master	SAMPLE	467694-002	Soil	295516	08/23/22 15:26	1.0	1	2:FE=240
099	met06_master	SAMPLE	467694-003	Soil	295516	08/23/22 15:29	1.0	1	2:SULFUR=250
100	met06_master	SAMPLE	467746-001	Miscell.	295516	08/23/22 15:32	1.0	1	1:V=12
101	met06_master	CCV				08/23/22 15:35	1.0	10 1	
102	met06_master	CCB				08/23/22 15:39	1.0	1	

Enthalpy Sequence Summary for Sequence 482338973

Instrument : MET06 Begun : 08/23/22 09:33
Method : EPA 6010B

Standards used: 1=S13369 2=S17110 3=S17109 4=S17108 5=S17107 6=S16645 7=S17115 8=S17113 9=S17048 10=S17024 11=S16646 12=S16979 13=S17065

Enthalpy Internal Standard Summary for Sequence 482338973

Date : 08/23/22 Reference : met06_master
Sequence : MET06 08/23/22 Analyzed : 08/23/22 09:33

#	Type	Sample ID	Y H		Y A		Y R
		ICALBLK STD	17553115		970979		370837
		LOWER LIMIT	5265935		291294		111251
		UPPER LIMIT	35106230		1941958		741674
012	ICB		18422473		1053037		372579
013	ICSA		16549392		914571		335426
014	ICSAB		16574588		917293		334966
015	BS	QC1007818	17467397		988845		362301
016	BSD	QC1007819	17576484		983238		358667
017	SAMPLE	467401-001	16099358		917999		325921
018	LCS	QC1007951	17540225		982420		356276
019	SAMPLE	467595-001	16357972		959768		355186
020	LCS	QC1007812	17508821		983206		363435
021	SAMPLE	467519-022	17652958		980216		362929
022	SAMPLE	467519-024	17612433		975312		369014
023	CCV		17257296		953026		348751
024	CCB		18778050		1042058		422394
025	SAMPLE	467519-027	17636264		977988		370418
026	SAMPLE	467519-039	17883059		990743		378881
027	SAMPLE	467519-043	17681482		976871		369610
028	CCV		17520873		969141		355166
029	CCB		38474113	*	2077885	*	636679
030	BLANK	QC1008177	18649821		1059002		383131
031	LCS	QC1008178	18516927		1046660		376972
032	SAMPLE	467758-002	14763986		820558		305158
033	MSS	467782-001	18091952		1035887		364396
034	MS	QC1008179	18104117		1031977		364846
035	MSD	QC1008180	18198460		1040818		364902
036	BLANK	QC1008181	17939163		1033197		376777
037	CCV		18025237		1029511		364589
038	CCB		18876763		1103800		387282
039	SAMPLE	467519-027	18446911		1248976		600563
040	SAMPLE	467519-039	18741770		1083715		512987
041	SAMPLE	467519-043	18260870		1277181		631885
042	BLANK	QC1008177	19031874		1097442		385310
043	LCS	QC1008178	18640065		1081514		379918
044	SAMPLE	467758-002	14941903		842801		308493
045	MSS	467782-001	18200123		1054303		366052
046	MS	QC1008179	18172665		1054624		363859
047	MSD	QC1008180	18424277		1065024		367896
048	BLANK	QC1008181	17880783		1039832		378391
049	CCV		18145562		1051773		362084
050	CCB		18998581		1122614		388787
051	BS	QC1008182	17834831		1046629		377414
052	BSD	QC1008183	17992691		1053391		374558
053	SAMPLE	467767-002	18384569		1043839		385140
054	CCV		18253856		1053095		365141
055	CCB		18954175		1114347		379515
056	BLANK	QC1008205	18150078		1067561		385193
057	BS	QC1008206	18284583		1072343		377525
058	BSD	QC1008207	18086039		1065993		376388
059	SAMPLE	467769-002	18491529		1067697		384974

Enthalpy Internal Standard Summary for Sequence 482338973

Date : 08/23/22 Reference : met06_master
Sequence : MET06 08/23/22 Analyzed : 08/23/22 09:33

#	Type	Sample ID	Y H	Y A	Y R
060	SAMPLE	467769-003	18492007	1070154	384199
061	SAMPLE	467769-005	18358973	1067502	384469
062	SAMPLE	467769-006	18424803	1067281	386290
063	SAMPLE	467771-002	18348755	1062226	383867
064	SAMPLE	467771-004	18232003	1060529	382530
065	SAMPLE	467771-006	18411392	1062738	384484
066	CCV		18055983	1053138	363460
067	CCB		18834812	1122614	388771
068	SAMPLE	467771-008	18144791	1054434	383265
069	SAMPLE	467774-002	18479023	1067038	389283
070	SAMPLE	467774-004	18402125	1065961	388397
071	SAMPLE	467774-006	18331319	1066835	383807
072	SAMPLE	467774-008	18203050	1059068	387025
073	BLANK	QC1008173	18301932	1071381	385196
074	LCS	QC1008227	18268178	1075767	382860
075	SAMPLE	467649-005	17688276	1019147	368815
076	SAMPLE	467682-001	18680287	1078708	395213
077	SAMPLE	467682-002	18018312	1044698	378078
078	CCV		18184826	1056842	368579
079	CCB		18762638	1130806	392206
080	SAMPLE	467682-003	17964973	1041423	376248
081	SAMPLE	467682-004	18171857	1053141	380198
082	SAMPLE	467682-005	18399863	1063823	390611
083	SAMPLE	467682-006	18057052	1046442	380612
084	SAMPLE	467682-007	18182238	1062863	380373
085	SAMPLE	467682-008	18163143	1063002	380760
086	SAMPLE	467682-009	18077333	1051780	376800
087	SAMPLE	467682-010	18447770	1074842	390998
088	SAMPLE	467682-011	18671005	1078174	395961
089	SAMPLE	467690-001	18020216	1040890	382668
090	CCV		18196573	1063814	369477
091	CCB		18878616	1127447	388448
092	SAMPLE	467690-002	17854057	1016661	374114
093	SAMPLE	467690-003	17537405	999527	369379
094	MSS	467694-001	18218853	1065909	382562
095	MS	QC1008174	17916241	1058413	379835
096	MSD	QC1008175	17997176	1059773	381158
098	SAMPLE	467694-002	18223159	1069466	390138
099	SAMPLE	467694-003	17919645	1046411	378698
100	SAMPLE	467746-001	19006182	1128129	406145
101	CCV		18294493	1064260	375002
102	CCB		18863045	1138553	389709

ENTHALPY INITIAL CALIBRATION FOR 467767 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	482338973001	Date:	23-AUG-2022 09:33
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master	482338973002	L1	23-AUG-2022 09:37	S17110, S13369 (100X)
L2	met06_master	482338973003	L2	23-AUG-2022 09:40	S17109, S13369 (100X)
L3	met06_master	482338973004	L3	23-AUG-2022 09:43	S17108, S13369 (100X)
L4	met06_master	482338973005	L4	23-AUG-2022 09:46	S17107, S13369 (100X)

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	0.0223	0.0396	0.0393	0.0375	WB1K	0.00283	26.6219		0.0347	1.000		5	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
WB1K: Linear regression with ICALBLK weighting factor of 1000

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D
Lead	A	0.0033	**44**	0.1000	8	1.0000	5	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 467767 METALS Wipe
EPA 6010B

Inst : MET06
Calnum : 482338973001 Cal Date : 23-AUG-2022

ICV 482338973010 (23-AUG-2022) stds: S17024, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	1.041	mg/l	4	

ENTHALPY INSTRUMENT BLANK FOR 467767 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973012 File : met06_master Time : 23-AUG-2022 10:10
Cal : 482338973001 Caldate : 23-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18422473	4.95
Yttrium	A	970979	1053037	8.45
Yttrium	R	370837	372579	0.47

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 467767 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973013 File : met06_master Time : 23-AUG-2022 10:13
Cal : 482338973001 Caldate : 23-AUG-2022
Standards: S16979, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	0.005544	0.003333	mg/l	!a+

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	146.3	mg/l	91	
Aluminum	R	400.0	370.8	mg/l	93	
Calcium	R	400.0	391.6	mg/l	98	
Magnesium	R	400.0	403.3	mg/l	101	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	16549392	-5.72
Yttrium	A	970979	914571	-5.81
Yttrium	R	370837	335426	-9.55

!=warning +=high bias a=ICSA

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 467767 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973014 File : met06_master Time : 23-AUG-2022 10:16
Cal : 482338973001 Caldate : 23-AUG-2022
Standards: S17065, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.041	mg/l	4	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	16574588	-5.57
Yttrium	A	970979	917293	-5.53
Yttrium	R	370837	334966	-9.67

ENTHALPY CONTINUING CALIBRATION FOR 467767 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973037 File : met06_master Time : 23-AUG-2022 11:54
Cal : 482338973001 Caldate : 23-AUG-2022
Standards: S17024, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0347	0.0398	1.000	1.061	mg/l	6	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18025237	2.69
Yttrium	A	970979	1029511	6.03
Yttrium	R	370837	364589	-1.68

ENTHALPY INSTRUMENT BLANK FOR 467767 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973038 File : met06_master Time : 23-AUG-2022 11:57
Cal : 482338973001 Caldate : 23-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18876763	7.54
Yttrium	A	970979	1103800	13.68
Yttrium	R	370837	387282	4.43

ENTHALPY CONTINUING CALIBRATION FOR 467767 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973049 File : met06_master Time : 23-AUG-2022 12:33
Cal : 482338973001 Caldate : 23-AUG-2022
Standards: S17024, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0347	0.0398	1.000	1.063	mg/l	6	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18145562	3.38
Yttrium	A	970979	1051773	8.32
Yttrium	R	370837	362084	-2.36

ENTHALPY INSTRUMENT BLANK FOR 467767 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973050 File : met06_master Time : 23-AUG-2022 12:36
Cal : 482338973001 Caldate : 23-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18998581	8.23
Yttrium	A	970979	1122614	15.62
Yttrium	R	370837	388787	4.84

ENTHALPY CONTINUING CALIBRATION FOR 467767 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973054 File : met06_master Time : 23-AUG-2022 12:49
Cal : 482338973001 Caldate : 23-AUG-2022
Standards: S17024, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0347	0.0402	1.000	1.072	mg/l	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18253856	3.99
Yttrium	A	970979	1053095	8.46
Yttrium	R	370837	365141	-1.54

ENTHALPY INSTRUMENT BLANK FOR 467767 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973055 File : met06_master Time : 23-AUG-2022 12:52
Cal : 482338973001 Caldate : 23-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18954175	7.98
Yttrium	A	970979	1114347	14.77
Yttrium	R	370837	379515	2.34

SAMPLE PREPARATION SUMMARY

Batch # : 295518 Analysis : ICP
Started By : DLS Prep Date : 23-AUG-2022 09:25 Finished By : DLS
Method : 3050B Units : ft2
Spike #1 ID : S16855 Spike #2 ID : S16906

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
467767-002		Wipe	1	100	1	100.0						6010	
QC1008181	BLANK	Wipe	1	100	1	100.0						ICP	
QC1008182	BS	Wipe	1	100	1	100.0		1	1			ICP	
QC1008183	BSD	Wipe	1	100	1	100.0		1	1			ICP	

Analyst: KLN Date: 08/23/22 Reviewer: LW Date: 08/23/22

ICP Prep Log

Initials: RK Prep Method: 3050B / 3010A / 200.7 / STLC QC Batch #: 295518 Thermometer ID: 76376

Prep Start, Date/Time: 8/23/22 9:25 Prep End, Date/Time: 8/23/22 10:40 HotBlock Temperature, °C: 95

HotBlock ID: 11

Sample ID	Bottle #	Sample pH (Water Only)	Sample Appearance	Initial Vol. or Weight (mL or g)	Bal. ID	Final Vol (mL)	Digestion Tube Lot#	Comment
Blank	-----	-----	-----	NA	NA	100	MLDD1500000027	
LCS	-----	-----	-----	↓	↓	↓	↓	
LCSD	—	—	→	↓	↓	↓	↓	
467767-2	N	NA	W-QO	1 mL	↓	↓	↓	8/23/22

Hydrochloric Acid ID: 10mL - 22160149

Nitric Acid ID: 10mL - 20220509385

H_2O_2 ID: 3mL - 131502

LCS Spike ID: 1mL - 516555/516906

MS/MSD Spike ID: NA

ICP Raw Data

Enthalpy Sequence Summary for Sequence 482338973

Instrument : MET06 Begun : 08/23/22 09:33
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master	ICALBLK	CALBLANK			08/23/22 09:33	1.0	1	
002	met06_master	ICAL	L1			08/23/22 09:37	1.0	2 1	
003	met06_master	ICAL	L2			08/23/22 09:40	1.0	3 1	
004	met06_master	ICAL	L3			08/23/22 09:43	1.0	4 1	
005	met06_master	ICAL	L4			08/23/22 09:46	1.0	5 1	
006	met06_master	ICAL	L5			08/23/22 09:50	1.0	6 1	
007	met06_master	ICAL	L6			08/23/22 09:53	1.0	7 1	
008	met06_master	ICAL	L7			08/23/22 09:56	1.0	8 1	
009	met06_master	ICAL	L8			08/23/22 10:00	1.0	9 1	
010	met06_master	ICV				08/23/22 10:03	1.0	10 1	
011	met06_master	CRI				08/23/22 10:06	1.0	11 1	
012	met06_master	ICB				08/23/22 10:10	1.0	1	
013	met06_master	ICSA				08/23/22 10:13	1.0	12 1	4:MGASMGCO3=1400
014	met06_master	ICSAB				08/23/22 10:16	1.0	13 1	4:MGASMGCO3=1400
015	met06_master	BS	QC1007818	Soil	295419	08/23/22 10:19	1.0	1	
016	met06_master	BSD	QC1007819	Soil	295419	08/23/22 10:23	1.0	1	
017	met06_master	SAMPLE	467401-001	Water	295313	08/23/22 10:26	1.0	1	2:K=4800
018	met06_master	LCS	QC1007951	TCLP Leachate	295454	08/23/22 10:31	1.0	1	
019	met06_master	SAMPLE	467595-001	Miscell.	295415	08/23/22 10:34	1.0	1	1:AL=2900
020	met06_master	LCS	QC1007812	Soil	295416	08/23/22 10:37	1.0	1	
021	met06_master	SAMPLE	467519-022	Soil	295416	08/23/22 10:41	1.0	1	
022	met06_master	SAMPLE	467519-024	Soil	295416	08/23/22 10:44	1.0	1	1:FE=160
023	met06_master	CCV				08/23/22 10:48	1.0	10 1	
024	met06_master	CCB				08/23/22 10:52	1.0	1	
025	met06_master	SAMPLE	467519-027	Soil	295416	08/23/22 10:55	1.0	1	
026	met06_master	SAMPLE	467519-039	Soil	295416	08/23/22 10:58	1.0	1	
027	met06_master	SAMPLE	467519-043	Soil	295416	08/23/22 11:01	1.0	1	
028	met06_master	CCV				08/23/22 11:05	1.0	10 1	
029	met06_master	CCB				08/23/22 11:08	1.0	1	
030	met06_master	BLANK	QC1008177	Water	295517	08/23/22 11:29	1.0	1	
031	met06_master	LCS	QC1008178	Water	295517	08/23/22 11:33	1.0	1	
032	met06_master	SAMPLE	467758-002	Sea Water	295517	08/23/22 11:36	1.0	1	4:NA=3500
033	met06_master	MSS	467782-001	Water	295517	08/23/22 11:39	1.0	1	2:NA=1100
034	met06_master	MS	QC1008179	Water	295517	08/23/22 11:42	1.0	1	2:NA=1000
035	met06_master	MSD	QC1008180	Water	295517	08/23/22 11:46	1.0	1	2:NA=1000
036	met06_master	BLANK	QC1008181	Wipe	295518	08/23/22 11:49	1.0	1	
037	met06_master	CCV				08/23/22 11:54	1.0	10 1	
038	met06_master	CCB				08/23/22 11:57	1.0	1	
039	met06_master	SAMPLE	467519-027	Soil	295416	08/23/22 12:00	1.0	1	
040	met06_master	SAMPLE	467519-039	Soil	295416	08/23/22 12:03	1.0	1	
041	met06_master	SAMPLE	467519-043	Soil	295416	08/23/22 12:07	1.0	1	
042	met06_master	BLANK	QC1008177	Water	295517	08/23/22 12:10	1.0	1	
043	met06_master	LCS	QC1008178	Water	295517	08/23/22 12:13	1.0	1	
044	met06_master	SAMPLE	467758-002	Sea Water	295517	08/23/22 12:16	1.0	1	4:NA=3300
045	met06_master	MSS	467782-001	Water	295517	08/23/22 12:20	1.0	1	2:NA=1100
046	met06_master	MS	QC1008179	Water	295517	08/23/22 12:23	1.0	1	2:NA=1000
047	met06_master	MSD	QC1008180	Water	295517	08/23/22 12:26	1.0	1	2:NA=1000
048	met06_master	BLANK	QC1008181	Wipe	295518	08/23/22 12:29	1.0	1	
049	met06_master	CCV				08/23/22 12:33	1.0	10 1	
050	met06_master	CCB				08/23/22 12:36	1.0	1	
051	met06_master	BS	QC1008182	Wipe	295518	08/23/22 12:39	1.0	1	
052	met06_master	BSD	QC1008183	Wipe	295518	08/23/22 12:42	1.0	1	

Enthalpy Sequence Summary for Sequence 482338973

Instrument : MET06 Begun : 08/23/22 09:33
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met06_master	SAMPLE	467767-002	Wipe	295518	08/23/22 12:46	1.0	1	
054	met06_master	CCV				08/23/22 12:49	1.0	10 1	
055	met06_master	CCB				08/23/22 12:52	1.0	1	
056	met06_master	BLANK	QC1008205	Wipe	295524	08/23/22 13:09	1.0	1	
057	met06_master	BS	QC1008206	Wipe	295524	08/23/22 13:12	1.0	1	
058	met06_master	BSD	QC1008207	Wipe	295524	08/23/22 13:15	1.0	1	
059	met06_master	SAMPLE	467769-002	Wipe	295524	08/23/22 13:19	1.0	1	
060	met06_master	SAMPLE	467769-003	Wipe	295524	08/23/22 13:22	1.0	1	
061	met06_master	SAMPLE	467769-005	Wipe	295524	08/23/22 13:25	1.0	1	
062	met06_master	SAMPLE	467769-006	Wipe	295524	08/23/22 13:28	1.0	1	
063	met06_master	SAMPLE	467771-002	Wipe	295524	08/23/22 13:32	1.0	1	
064	met06_master	SAMPLE	467771-004	Wipe	295524	08/23/22 13:35	1.0	1	
065	met06_master	SAMPLE	467771-006	Wipe	295524	08/23/22 13:38	1.0	1	
066	met06_master	CCV				08/23/22 13:41	1.0	10 1	
067	met06_master	CCB				08/23/22 13:45	1.0	1	
068	met06_master	SAMPLE	467771-008	Wipe	295524	08/23/22 13:48	1.0	1	
069	met06_master	SAMPLE	467774-002	Wipe	295524	08/23/22 13:51	1.0	1	
070	met06_master	SAMPLE	467774-004	Wipe	295524	08/23/22 13:54	1.0	1	
071	met06_master	SAMPLE	467774-006	Wipe	295524	08/23/22 13:58	1.0	1	
072	met06_master	SAMPLE	467774-008	Wipe	295524	08/23/22 14:01	1.0	1	
073	met06_master	BLANK	QC1008173	Soil	295516	08/23/22 14:04	1.0	1	
074	met06_master	LCS	QC1008227	Soil	295516	08/23/22 14:07	1.0	1	
075	met06_master	SAMPLE	467649-005	Soil	295516	08/23/22 14:11	1.0	1	2:FE=350
076	met06_master	SAMPLE	467682-001	Soil	295516	08/23/22 14:14	1.0	1	
077	met06_master	SAMPLE	467682-002	Soil	295516	08/23/22 14:17	1.0	1	
078	met06_master	CCV				08/23/22 14:20	1.0	10 1	
079	met06_master	CCB				08/23/22 14:24	1.0	1	
080	met06_master	SAMPLE	467682-003	Soil	295516	08/23/22 14:27	1.0	1	1:FE=180
081	met06_master	SAMPLE	467682-004	Soil	295516	08/23/22 14:30	1.0	1	1:FE=170
082	met06_master	SAMPLE	467682-005	Soil	295516	08/23/22 14:34	1.0	1	1:FE=190
083	met06_master	SAMPLE	467682-006	Soil	295516	08/23/22 14:37	1.0	1	
084	met06_master	SAMPLE	467682-007	Soil	295516	08/23/22 14:40	1.0	1	3:FE=220
085	met06_master	SAMPLE	467682-008	Soil	295516	08/23/22 14:43	1.0	1	1:FE=200
086	met06_master	SAMPLE	467682-009	Soil	295516	08/23/22 14:47	1.0	1	1:FE=180
087	met06_master	SAMPLE	467682-010	Soil	295516	08/23/22 14:50	1.0	1	1:FE=200
088	met06_master	SAMPLE	467682-011	Soil	295516	08/23/22 14:53	1.0	1	1:FE=210
089	met06_master	SAMPLE	467690-001	Miscell.	295516	08/23/22 14:56	1.0	1	3:FE=400
090	met06_master	CCV				08/23/22 15:00	1.0	10 1	
091	met06_master	CCB				08/23/22 15:03	1.0	1	
092	met06_master	SAMPLE	467690-002	Miscell.	295516	08/23/22 15:06	1.0	1	3:FE=430
093	met06_master	SAMPLE	467690-003	Miscell.	295516	08/23/22 15:09	1.0	1	3:FE=440
094	met06_master	MSS	467694-001	Soil	295516	08/23/22 15:13	1.0	1	3:FEASFE2O3=250
095	met06_master	MS	QC1008174	Soil	295516	08/23/22 15:16	1.0	1	3:ALASAL2O3=280
096	met06_master	MSD	QC1008175	Soil	295516	08/23/22 15:19	1.0	1	3:ALASAL2O3=290
097	met06_master	PDS	QC1008176	Soil	295516	08/23/22 15:22	1.0	1	1:FE=170
098	met06_master	SAMPLE	467694-002	Soil	295516	08/23/22 15:26	1.0	1	2:FE=240
099	met06_master	SAMPLE	467694-003	Soil	295516	08/23/22 15:29	1.0	1	2:SULFUR=250
100	met06_master	SAMPLE	467746-001	Miscell.	295516	08/23/22 15:32	1.0	1	1:V=12
101	met06_master	CCV				08/23/22 15:35	1.0	10 1	
102	met06_master	CCB				08/23/22 15:39	1.0	1	

Enthalpy Sequence Summary for Sequence 482338973

Instrument : MET06 Begun : 08/23/22 09:33
Method : EPA 6010B

Standards used: 1=S13369 2=S17110 3=S17109 4=S17108 5=S17107 6=S16645 7=S17115 8=S17113 9=S17048 10=S17024 11=S16646 12=S16979 13=S17065

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 467767-002	Client ID	: 220822-L-MEDBLANK
Seqnum	: 482338973053	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 295518	Time	: 23-AUG-2022 12:46
Cal	: 482338973001	Caldate	: 23-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.03560	3.6	0.50	0.032	!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	970979	1043839	7.50

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467767-002,295518			Sample Type: Unknown Sample
Measure Date: 2022-08-23 12:46:12	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	61800.82100	2289.26980	6856.94710	9609.54030	10903.22100	71569.24800	8764.68810
Int RSD	*1.10172847*	*7.50467813*	*0.54014115*	*0.41040068*	*0.47836772*	*9.58742587*	*1.26508221*
Int SD	*680.87724000*	*171.80233000*	*37.03719300*	*39.43761900*	*52.15749000*	*6861.64860*	*110.88051000*
RelInt Mean	0.00004769	0.00169556	-0.00096331	0.00200244	0.00152007	0.18608201	0.00000366
RelInt RSD	*33.54968013*	*7.56587872*	*0.94004171*	*2.84240523*	*3.58269670*	*10.22137712*	*111.97647458*
RelInt SD	*0.00001600*	*0.00012828*	*0.00000906*	*0.00005692*	*0.00005446*	*0.01902014*	*0.00000409*
Conc Mean	<0.00009177[mg/l]	<0.05445035[mg/l]	<-0.02484627[mg/l]	0.01445366[mg/l]	0.00428882[mg/l]	9.18910370[mg/l]	<-0.00001056[mg/l]
Conc RSD	*574.59537477*	*32.68892614*	*1.17452492*	*3.50398920*	*4.15084878*	*10.30278807*	*217.29292526*
Conc SD	*0.00052729[mg/l]*	*0.01779924[mg/l]*	*0.00029183[mg/l]*	*0.00050645[mg/l]*	*0.00017802[mg/l]*	*0.94673388[mg/l]*	*0.00002294[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7680.23560	70296.86900	66765.84800	2559.97460	4447.78310	17799.41400	6802.04510
Int RSD	*0.95060235*	*0.49845223*	*0.96686387*	*14.52911252*	*9.01242464*	*4.25125254*	*1.25291426*
Int SD	*73.00850000*	*350.39631000*	*645.53486000*	*371.94159000*	*400.85310000*	*756.69804000*	*85.22379300*
RelInt Mean	0.00026971	0.00099822	0.05450297	0.00631425	0.00644305	0.00728434	-0.00021687
RelInt RSD	*7.15971543*	*4.15309156*	*2.05339782*	*13.68854567*	*6.23527994*	*8.18752199*	*51.10600976*
RelInt SD	*0.00001931*	*0.00004146*	*0.00111916*	*0.00086433*	*0.00040174*	*0.00059641*	*0.00011083*
Conc Mean	0.00155632[mg/l]	0.00575137[mg/l]	<0.09956708[mg/l]	4.44062730[mg/l]	1.76545400[mg/l]	0.00425637[mg/l]	<-0.00416653[mg/l]
Conc RSD	*8.06505203*	*16.74611109*	*3.44933841*	*17.06783319*	*6.35955737*	*8.49467133*	*18.29725387*
Conc SD	*0.00012552[mg/l]*	*0.00096313[mg/l]*	*0.00343441[mg/l]*	*0.75791886[mg/l]*	*0.11227506[mg/l]*	*0.00036156[mg/l]*	*0.00076236[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	71102.22100	9682.48200	11347.52200	8304.62920	6928.03230	8909.70300	5559.76740
Int RSD	*8.20535254*	*1.08151546*	*0.77167470*	*1.93479548*	*0.66350008*	*0.30955291*	*13.33355529*
Int SD	*5834.18790*	*104.71754000*	*87.56595600*	*160.67759000*	*45.96750000*	*27.58024500*	*741.31466000*
RelInt Mean	0.16543968	0.00035006	0.00123222	0.00092243	0.00003297	-0.00066273	0.01136295
RelInt RSD	*8.18378034*	*8.29096349*	*1.67468778*	*20.99481841*	*166.19944972*	*8.61526163*	*13.65002078*
RelInt SD	*0.01353922*	*0.00002902*	*0.00002064*	*0.00019366*	*0.00005480*	*0.00005710*	*0.00155104*
Conc Mean	6.11412710[mg/l]	<0.00079248[mg/l]	0.03560068[mg/l]	0.02873033[mg/l]	<-0.00078911[mg/l]	<-0.01661963[mg/l]	0.00859616[mg/l]
Conc RSD	*9.60960969*	*27.06511806*	*1.54708212*	*22.91615430*	*214.61408197*	*5.72823967*	*13.42785999*
Conc SD	*0.58754375[mg/l]*	*0.00021449[mg/l]*	*0.00055077[mg/l]*	*0.00658389[mg/l]*	*0.00169353[mg/l]*	*0.00095201[mg/l]*	*0.00115428[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	86312.58400	6519.45260	17973.27100	1043839	18384569	385140	280804
Int RSD	*3.69173573*	*0.25957696*	*0.20725688*	*2.10281117*	*0.17279133*	*0.53405709*	*0.61018817*
Int SD	*3186.43250*	*16.92299700*	*37.25084100*	*21949.96100*	*31766.94200*	*2056.86680*	*1713.43180*
RelInt Mean	0.00106793	-0.00119392	0.00018926	---	---	---	0.26551150
RelInt RSD	*18.65606636*	*4.20068646*	*10.64689059*	---	---	---	*2.78462387*
RelInt SD	*0.00019923*	*0.00005015*	*0.00002015*	---	---	---	*0.00739350*
Conc Mean	<-0.00017728[mg/l]	<-0.06501365[mg/l]	<-0.00193981[mg/l]	1032341	18305856	383633	0.70454913[mg/l]
Conc RSD	*916.63251226*	*4.85734679*	*159.58757280*	---	---	---	*2.78661092*
Conc SD	*0.00162503[mg/l]*	*0.00315794[mg/l]*	*0.00309569[mg/l]*	*21959.04000*	*32148.35700*	*2209.82160*	*0.01963304[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	65.31511500	6089.75390	42485.01000	23611.35400	9160.79180	107452	
Int RSD	*64.27535188*	*13.98052933*	*1.59025400*	*1.06816754*	*0.98424377*	*0.90890867*	
Int SD	*41.98152000*	*851.37983000*	*675.61957000*	*252.20882000*	*90.16452300*	*976.63709000*	
RelInt Mean	-0.00052451	0.00101074	0.03332518	0.01427805	0.00041365	0.09535834	
RelInt RSD	*18.64024526*	*14.84666619*	*2.05229148*	*1.09121980*	*16.07765501*	*1.19358618*	
RelInt SD	*0.00009777*	*0.00015006*	*0.00068393*	*0.00015580*	*0.00006651*	*0.00113818*	
Conc Mean	<-0.00033436[mg/l]	<-0.00047919[mg/l]	0.37231603[mg/l]	0.23550844[mg/l]	0.00083255[mg/l]	3.36385670[mg/l]	
Conc RSD	*78.78594857*	*296.74453038*	*2.08600790*	*1.10356542*	*24.01965271*	*1.19206178*	
Conc SD	*0.00026343[mg/l]*	*0.00142198[mg/l]*	*0.00776654[mg/l]*	*0.00259899[mg/l]*	*0.00019998[mg/l]*	*0.04009925[mg/l]*	

ENTHALPY BLANK USER REPORT FOR 467767 METALS Wipe
EPA 6010B

Inst : MET06 Lab ID : QC1008181
Seqnum : 482338973048.1 Matrix : Wipe
File : met06_master Batch : 295518 Time : 23-AUG-2022 12:29
Cal : 482338973001 Caldate : 23-AUG-2022
IDF : 1.0 Raw Units : mg/l Units : ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Flags
Lead	A	0.0003207	ND	0.50	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	970979	1039832	7.09

u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BLANK,QC1008181,295518			Sample Type: Unknown Sample
Measure Date: 2022-08-23 12:29:53	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	63157.19800	1953.70710	5010.40990	10485.87400	9402.77180	2313.22720	8738.54520
Int RSD	*0.59666895*	*3.33317512*	*0.42007409*	*0.83702836*	*0.56313430*	*10.52947717*	*0.35336765*
Int SD	*376.83939000*	*65.12047900*	*21.04743400*	*87.76973900*	*52.95023300*	*243.57073000*	*30.87919200*
RelInt Mean	0.00004785	0.00123262	-0.00027845	0.00277254	0.00015490	0.00543496	0.00000788
RelInt RSD	*26.50976294*	*16.85736104*	*18.66433701*	*5.27248440*	*16.24774276*	*15.80109801*	*400.81846575*
RelInt SD	*0.00001269*	*0.00020779*	*0.00005197*	*0.00014618*	*0.00002517*	*0.00085878*	*0.00003158*
Conc Mean	<0.00009716[mg/l]	<-0.00978139[mg/l]	<-0.00278269[mg/l]	0.02130606[mg/l]	<-0.00014510[mg/l]	0.19733738[mg/l]	<0.00001541[mg/l]
Conc RSD	*430.29859743*	*294.74654808*	*60.16577546*	*6.10499830*	*54.92133667*	*21.66151035*	*1032.35681*
Conc SD	*0.00041808[mg/l]*	*0.02883030[mg/l]*	*0.00167423[mg/l]*	*0.00130073[mg/l]*	*0.00007969[mg/l]*	*0.04274626[mg/l]*	*0.00015905[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7617.99300	68942.59700	17976.95400	830.81298000	2142.46710	11422.49000	7001.13140
Int RSD	*0.58237542*	*0.92321686*	*4.89570547*	*15.77828021*	*7.93044663*	*0.43301886*	*4.74983943*
Int SD	*44.36531900*	*636.48968000*	*880.09872000*	*131.08800000*	*169.90721000*	*49.46153600*	*332.54250000*
RelInt Mean	0.00009970	0.00087774	0.00709698	0.00174014	0.00005880	0.00094564	0.00078042
RelInt RSD	*43.34771202*	*5.29402957*	*13.67247767*	*13.59453252*	*227.31097396*	*4.92467611*	*47.37575058*
RelInt SD	*0.00004322*	*0.00004647*	*0.00097033*	*0.00023656*	*0.00013365*	*0.00004657*	*0.00036973*
Conc Mean	<0.00045129[mg/l]	0.00295230[mg/l]	<-0.04590889[mg/l]	<0.42965373[mg/l]	<-0.01875572[mg/l]	0.00041361[mg/l]	<0.00269324[mg/l]
Conc RSD	*62.25050155*	*36.56602525*	*6.48607457*	*48.28081907*	*199.15134161*	*6.82585515*	*94.42728315*
Conc SD	*0.00028093[mg/l]*	*0.00107954[mg/l]*	*0.00297769[mg/l]*	*0.20744034[mg/l]*	*0.03735227[mg/l]*	*0.00002823[mg/l]*	*0.00254315[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	22128.46400	9639.24440	9858.95970	6907.33850	5610.38600	5021.97420	1382.75770
Int RSD	*7.23922320*	*0.03293471*	*0.48185434*	*0.42289345*	*0.40947958*	*0.99489824*	*10.30443439*
Int SD	*1601.92890*	*3.17465680*	*47.50582500*	*29.21068200*	*22.97338500*	*49.96353300*	*142.48536000*
RelInt Mean	0.03788149	0.00036548	-0.00009352	0.00018859	0.00008164	0.00005764	0.00001263
RelInt RSD	*4.58267918*	*13.22979537*	*32.88847712*	*17.06058771*	*38.95296136*	*87.35275875*	*546.56896835*
RelInt SD	*0.00173599*	*0.00004835*	*0.00003076*	*0.00003217*	*0.00003180*	*0.00005035*	*0.00006904*
Conc Mean	0.57865242[mg/l]	<0.00090639[mg/l]	<0.00032067[mg/l]	0.00379127[mg/l]	<0.00071478[mg/l]	<-0.00460820[mg/l]	<0.00014931[mg/l]
Conc RSD	*13.01892680*	*39.42248626*	*255.94835507*	*28.89090868*	*137.48714988*	*18.21902818*	*34.41358300*
Conc SD	*0.07533434[mg/l]*	*0.00035732[mg/l]*	*0.00082075[mg/l]*	*0.00109533[mg/l]*	*0.00098273[mg/l]*	*0.00083957[mg/l]*	*0.00005138[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	81340.27700	5095.96700	18507.55400	1039832	17880783	378391	7360.47270
Int RSD	*4.42420205*	*0.38592989*	*0.42604794*	*0.51280056*	*0.40843825*	*0.38490545*	*0.46498927*
Int SD	*3598.65820*	*19.66686000*	*78.85105200*	*5332.26180*	*73031.95700*	*1456.44580*	*34.22540800*
RelInt Mean	0.00072398	-0.00040911	0.00020132	---	---	---	0.00097654
RelInt RSD	*30.70572543*	*4.70250462*	*4.61607487*	---	---	---	*3.68308230*
RelInt SD	*0.00022230*	*0.00001924*	*0.00000929*	---	---	---	*0.00003597*
Conc Mean	<-0.00298270[mg/l]	<-0.01553946[mg/l]	<-0.00009000[mg/l]	1028277	17800856	376726	0.00209159[mg/l]
Conc RSD	*60.79050065*	*7.73376052*	*1585.63378*	---	---	---	*4.57271666*
Conc SD	*0.00181320[mg/l]*	*0.00120178[mg/l]*	*0.00142701[mg/l]*	*5314.95340*	*72795.84100*	*1510.25390*	*0.00009564[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	149.15533000	6176.59420	11126.76600	6272.77340	9055.92810	8057.71650	
Int RSD	*101.26472852*	*14.47845190*	*0.35576719*	*0.99756640*	*0.19845281*	*0.47528624*	
Int SD	*151.04174000*	*894.27522000*	*39.58538300*	*62.57508000*	*17.97174400*	*38.29721800*	
RelInt Mean	-0.00059483	0.00071404	0.00286234	0.00040487	0.00034726	0.00075515	
RelInt RSD	*20.55013047*	*37.26742053*	*2.73724546*	*16.23336210*	*14.46634237*	*3.49988537*	
RelInt SD	*0.00012224*	*0.00026611*	*0.00007835*	*0.00006572*	*0.00005024*	*0.00002643*	
Conc Mean	<-0.00052385[mg/l]	<-0.00329068[mg/l]	0.02619641[mg/l]	<0.00408983[mg/l]	0.00055237[mg/l]	0.03089848[mg/l]	
Conc RSD	*62.87334045*	*76.62925147*	*3.21013544*	*26.80669781*	*26.53496830*	*3.01351163*	
Conc SD	*0.00032936[mg/l]*	*0.00252162[mg/l]*	*0.00084094[mg/l]*	*0.00109635[mg/l]*	*0.00014657[mg/l]*	*0.00093113[mg/l]*	

ENTHALPY SPIKE USER REPORT FOR 467767 METALS Wipe
EPA 6010B

Type : BS
Inst : MET06
Seqnum : 482338973051.1
File : met06_master
IDF : 1.0
Lab ID : QC1008182
Matrix : Wipe
Batch : 295518
Time : 23-AUG-2022 12:39
Cal : 482338973001
Units : ug/ft2

Type : BSD
Inst : MET06
Seqnum : 482338973052.1
File : met06_master
IDF : 1.0
Lab ID : QC1008183
Matrix : Wipe
Batch : 295518
Time : 23-AUG-2022 12:42
Cal : 482338973001

BS: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF
BSD: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Lead	100.0	1.018	101.8	A	102	1.029	102.9	A	103	80-120	1	20	!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	970979	1046629	7.79

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	970979	1053391	8.49

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BS,QC1008182,295518				Sample Type: Unknown Sample			
Measure Date: 2022-08-23 12:39:40		Recalculation Date:		State: Measured		Quality:	

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	336303	4639.51470	35799.50700	116048	324847	9812.26940	214120
Int RSD	*1.15213245*	*12.65297726*	*0.43626087*	*0.54330718*	*0.53221435*	*9.99543928*	*0.37317371*
Int SD	*3874.65450*	*587.03674000*	*156.17924000*	*630.49652000*	*1728.87990*	*980.77943000*	*799.03948000*
RelInt Mean	0.01529587	0.00813995	0.02930242	0.10453069	0.30459121	0.02542601	0.19801406
RelInt RSD	*1.43955008*	*12.87302459*	*0.21038761*	*0.49396337*	*0.43727198*	*11.16644068*	*0.32030966*
RelInt SD	*0.00022019*	*0.00104786*	*0.00006165*	*0.00051634*	*0.00133189*	*0.00283918*	*0.00063426*
Conc Mean	0.50263385[mg/l]	0.94860206[mg/l]	0.94927058[mg/l]	0.92675550[mg/l]	0.97938380[mg/l]	1.19239820[mg/l]	0.99026560[mg/l]
Conc RSD	*1.44378905*	*15.32665974*	*0.20913312*	*0.49575537*	*0.43875494*	*11.85183523*	*0.32009318*
Conc SD	*0.00725697[mg/l]*	*0.14538901[mg/l]*	*0.00198524[mg/l]*	*0.00459444[mg/l]*	*0.00429709[mg/l]*	*0.14132107[mg/l]*	*0.00316977[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	166332	808408	360208	4742.36860	3427.01110	1727565	156731
Int RSD	*0.24102963*	*1.70024115*	*0.22946524*	*12.47435385*	*14.49422501*	*0.42625638*	*0.25730176*
Int SD	*400.90849000*	*13744.87800*	*826.55317000*	*591.57984000*	*496.71870000*	*7363.85680*	*403.27087000*
RelInt Mean	0.15300971	0.04236721	0.33737385	0.01221834	0.00363589	1.65875660	0.14524403
RelInt RSD	*0.09382880*	*1.92647741*	*0.24786511*	*11.80181082*	*21.60600849*	*0.30920975*	*0.11504745*
RelInt SD	*0.00014357*	*0.00081619*	*0.00083623*	*0.00144198*	*0.00078557*	*0.00512904*	*0.00016710*
Conc Mean	0.99436448[mg/l]	0.96683819[mg/l]	0.96762015[mg/l]	9.61784190[mg/l]	0.98093580[mg/l]	1.00544130[mg/l]	0.99637255[mg/l]
Conc RSD	*0.09384775*	*1.96122611*	*0.26520389*	*13.14699818*	*22.38105593*	*0.30925400*	*0.11535422*
Conc SD	*0.00093319[mg/l]*	*0.01896188[mg/l]*	*0.00256617[mg/l]*	*1.26445750[mg/l]*	*0.21954379[mg/l]*	*0.00310937[mg/l]*	*0.00114936[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	27179.03900	151311	49742.52600	33292.39300	31300.55600	5641.47650	490034
Int RSD	*7.79864071*	*0.38461825*	*0.48667161*	*1.71335082*	*0.63823553*	*3.14105182*	*0.48311811*
Int SD	*2119.59560*	*581.97130000*	*242.08275000*	*570.41549000*	*199.77127000*	*177.20170000*	*2367.44470*
RelInt Mean	0.05150568	0.13684180	0.03814034	0.02545689	0.02477730	0.00050473	1.30011400
RelInt RSD	*5.34646464*	*0.46202763*	*0.56808414*	*1.96164362*	*0.50796935*	*38.78505359*	*0.64303041*
RelInt SD	*0.00275373*	*0.00063225*	*0.00021667*	*0.00049937*	*0.00012586*	*0.00019576*	*0.00836013*
Conc Mean	1.16988320[mg/l]	1.00947130[mg/l]	1.01796310[mg/l]	0.85690817[mg/l]	0.76390117[mg/l]	<0.00284648[mg/l]	0.96767832[mg/l]
Conc RSD	*10.21470263*	*0.46284959*	*0.56509452*	*1.98035047*	*0.50917159*	*114.67059699*	*0.64293970*
Conc SD	*0.11950009[mg/l]*	*0.00467233[mg/l]*	*0.00575245[mg/l]*	*0.01696979[mg/l]*	*0.00388957[mg/l]*	*0.00326408[mg/l]*	*0.00622159[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2295840	21104.31700	136180	1046629	17834831	377414	400928
Int RSD	*0.99931437*	*0.78599473*	*1.80314163*	*0.14594471*	*0.30671779*	*0.27965943*	*0.39603931*
Int SD	*22942.65400*	*165.87882000*	*2455.52170*	*1527.50000*	*54702.59900*	*1055.47350*	*1587.83280*
RelInt Mean	0.12519171	0.01485211	0.00679480	---	---	---	0.38100295
RelInt RSD	*1.17402358*	*1.01787443*	*2.08196686*	---	---	---	*0.27926981*
RelInt SD	*0.00146978*	*0.00015118*	*0.00014147*	---	---	---	*0.00106403*
Conc Mean	1.01223320[mg/l]	0.94153215[mg/l]	1.01254000[mg/l]	1034831	17753658	375820	1.01072910[mg/l]
Conc RSD	*1.18433331*	*1.01031587*	*2.14651500*	---	---	---	*0.27949637*
Conc SD	*0.01198822[mg/l]*	*0.00951245[mg/l]*	*0.02173432[mg/l]*	*1479.98250*	*54770.94800*	*1135.27920*	*0.00282495[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	124637	41880.54100	398695	6691.39330	334235	7982.25720	
Int RSD	*0.43548925*	*10.43540221*	*0.12380954*	*0.99780479*	*0.26514450*	*0.91451271*	
Int SD	*542.78052000*	*4370.40290*	*493.62265000*	*66.76704300*	*886.20442000*	*72.99875700*	
RelInt Mean	0.33067262	0.09541775	0.37689477	0.00065657	0.31397260	0.00052081	
RelInt RSD	*0.78547940*	*9.72107380*	*0.19777192*	*7.27746130*	*0.26871640*	*14.85169019*	
RelInt SD	*0.00259737*	*0.00927563*	*0.00074539*	*0.00004778*	*0.00084370*	*0.00007735*	
Conc Mean	0.89205281[mg/l]	0.89412515[mg/l]	4.25170360[mg/l]	0.00828836[mg/l]	0.94137030[mg/l]	0.02264257[mg/l]	
Conc RSD	*0.78452935*	*9.83041390*	*0.19919502*	*9.61640804*	*0.26972148*	*12.03523213*	
Conc SD	*0.00699842[mg/l]*	*0.08789620[mg/l]*	*0.00846918[mg/l]*	*0.00079704[mg/l]*	*0.00253908[mg/l]*	*0.00272509[mg/l]*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BSD,QC1008183,295518			Sample Type: Unknown Sample
Measure Date: 2022-08-23 12:42:56	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	344582	4414.17130	36294.19000	114615	332364	9652.52150	218681
Int RSD	*0.94486297*	*16.60126398*	*1.07488546*	*0.07761007*	*0.18947280*	*14.49210136*	*0.20588562*
Int SD	*3255.83160*	*732.80823000*	*390.12097000*	*88.95262200*	*629.73880000*	*1398.85320*	*450.23178000*
RelInt Mean	0.01556949	0.00822305	0.02956859	0.10243139	0.30989883	0.02529559	0.20108773
RelInt RSD	*0.48914136*	*14.37240650*	*1.22336267*	*0.12638064*	*0.06440347*	*14.25190489*	*0.15948152*
RelInt SD	*0.00007616*	*0.00118185*	*0.00036173*	*0.00012945*	*0.00019959*	*0.00360510*	*0.00032070*
Conc Mean	0.51165188[mg/l]	0.96013148[mg/l]	0.95782917[mg/l]	0.90807575[mg/l]	0.99645672[mg/l]	1.18590640[mg/l]	1.00563630[mg/l]
Conc RSD	*0.49055485*	*17.07893486*	*1.21642359*	*0.12684878*	*0.06428805*	*15.13148087*	*0.15942739*
Conc SD	*0.00250993[mg/l]*	*0.16398023[mg/l]*	*0.01165126[mg/l]*	*0.00115188[mg/l]*	*0.00064060[mg/l]*	*0.17944520[mg/l]*	*0.00160326[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	170298	826524	367633	4577.34240	3254.00570	1752036	160519
Int RSD	*0.26018471*	*1.52570620*	*0.12656565*	*18.04549710*	*16.15549014*	*0.43565993*	*0.36337117*
Int SD	*443.08813000*	*12610.33400*	*465.29649000*	*826.00419000*	*525.70057000*	*7632.91880*	*583.28111000*
RelInt Mean	0.15580326	0.04295888	0.34226055	0.01188738	0.00352536	1.67163830	0.14793903
RelInt RSD	*0.27424885*	*0.94632232*	*0.07633595*	*16.07735815*	*13.12690821*	*0.33800969*	*0.42623565*
RelInt SD	*0.00042729*	*0.00040653*	*0.00026127*	*0.00191118*	*0.00046277*	*0.00565030*	*0.00063057*
Conc Mean	1.01252250[mg/l]	0.98058393[mg/l]	0.98261607[mg/l]	9.32763540[mg/l]	0.95004617[mg/l]	1.01325070[mg/l]	1.01490990[mg/l]
Conc RSD	*0.27430069*	*0.96315288*	*0.08159446*	*17.96689545*	*13.61310577*	*0.33806139*	*0.42736102*
Conc SD	*0.00277736[mg/l]*	*0.00944452[mg/l]*	*0.00080176[mg/l]*	*1.67588650[mg/l]*	*0.12933079[mg/l]*	*0.00342541[mg/l]*	*0.00433733[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	27157.09700	154350	50527.63400	35046.25900	31646.40100	5277.49160	496260
Int RSD	*9.13262158*	*0.52119376*	*0.34981226*	*0.70294447*	*0.96597847*	*0.56928957*	*0.55928747*
Int SD	*2480.15490*	*804.46491000*	*176.75186000*	*246.35574000*	*305.69742000*	*30.04420900*	*2775.52100*
RelInt Mean	0.05270319	0.13889553	0.03856130	0.02692981	0.02491220	0.00014443	1.32669770
RelInt RSD	*6.42277786*	*0.37935570*	*0.31902878*	*0.66227025*	*0.96087543*	*25.95531796*	*0.14371094*
RelInt SD	*0.00338501*	*0.00052691*	*0.00012302*	*0.00017835*	*0.00023938*	*0.00003749*	*0.00190661*
Conc Mean	1.22185000[mg/l]	1.02464850[mg/l]	1.02916710[mg/l]	0.90687085[mg/l]	0.76807010[mg/l]	<-0.00316110[mg/l]	0.98746179[mg/l]
Conc RSD	*12.02232516*	*0.38002110*	*0.31674757*	*0.66780683*	*0.96313680*	*19.77365644*	*0.14368914*
Conc SD	*0.14689478[mg/l]*	*0.00389388[mg/l]*	*0.00325986[mg/l]*	*0.00605615[mg/l]*	*0.00739757[mg/l]*	*0.00062506[mg/l]*	*0.00141888[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2352418	21508.28300	138850	1053391	17992691	374558	410187
Int RSD	*1.54504586*	*0.37273284*	*1.34772141*	*0.13584331*	*0.80469347*	*0.47425104*	*0.25887042*
Int SD	*36345.93700*	*80.16843500*	*1871.31630*	*1430.96130*	*144786*	*1776.34450*	*1061.85320*
RelInt Mean	0.12719555	0.01509932	0.00687601	---	---	---	0.38739985
RelInt RSD	*1.11433883*	*0.52060051*	*0.74549479*	---	---	---	*0.20042238*
RelInt SD	*0.00141739*	*0.00007861*	*0.00005126*	---	---	---	*0.00077644*
Conc Mean	1.02857750[mg/l]	0.95702914[mg/l]	1.02501020[mg/l]	1041456	17910533	373105	1.02770660[mg/l]
Conc RSD	*1.12396509*	*0.51552640*	*0.76843611*	---	---	---	*0.20075511*
Conc SD	*0.01156085[mg/l]*	*0.00493374[mg/l]*	*0.00787655[mg/l]*	*1446.08450*	*144328*	*1507.93610*	*0.00206317[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	126511	41591.88000	423707	6664.50680	341674	7997.45980	
Int RSD	*0.97875318*	*12.33426909*	*0.18901253*	*0.83896915*	*0.26735412*	*0.17311608*	
Int SD	*1238.23230*	*5130.05440*	*800.85938000*	*55.91315600*	*913.48013000*	*13.84488900*	
RelInt Mean	0.33819041	0.09584406	0.39853127	0.00060692	0.31905768	0.00057700	
RelInt RSD	*0.65973056*	*10.81361015*	*0.07386360*	*10.24358036*	*0.29763443*	*4.59606524*	
RelInt SD	*0.00223115*	*0.01036420*	*0.00029437*	*0.00006217*	*0.00094963*	*0.00002652*	
Conc Mean	0.91230894[mg/l]	0.89816489[mg/l]	4.49701110[mg/l]	0.00746025[mg/l]	0.95664963[mg/l]	0.02462222[mg/l]	
Conc RSD	*0.65895051*	*10.93469352*	*0.07335981*	*13.90127700*	*0.30309518*	*3.79454971*	
Conc SD	*0.00601166[mg/l]*	*0.09821158[mg/l]*	*0.00329900[mg/l]*	*0.00103707[mg/l]*	*0.00289956[mg/l]*	*0.00093430[mg/l]*	

ENTHALPY INITIAL CALIBRATION FOR 467767 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	482338973001	Date:	23-AUG-2022 09:33
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master	482338973002	L1	23-AUG-2022 09:37	S17110, S13369 (100X)
L2	met06_master	482338973003	L2	23-AUG-2022 09:40	S17109, S13369 (100X)
L3	met06_master	482338973004	L3	23-AUG-2022 09:43	S17108, S13369 (100X)
L4	met06_master	482338973005	L4	23-AUG-2022 09:46	S17107, S13369 (100X)

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	0.0223	0.0396	0.0393	0.0375	WB1K	0.00283	26.6219		0.0347	1.000		5	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
WB1K: Linear regression with ICALBLK weighting factor of 1000

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D
Lead	A	0.0033	**44**	0.1000	8	1.0000	5	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 467767 METALS Wipe
EPA 6010B

Inst : MET06
Calnum : 482338973001 Cal Date : 23-AUG-2022

ICV 482338973010 (23-AUG-2022) stds: S17024, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	1.041	mg/l	4	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICALBLK,CALBLANK			Sample Type: Calibration Sample
Measure Date: 2022-08-23 09:33:48	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	55161.56300	1638.25140	4515.37790	6938.65240	8203.59820	754.60694000	7614.11590
Int RSD	*0.87933950*	*15.81390500*	*0.72139063*	*0.22637958*	*0.94362068*	*15.81373609*	*0.37615993*
Int SD	*485.05741000*	*259.07152000*	*32.57351300*	*15.70769200*	*77.41084900*	*119.33155000*	*28.64125300*
RelInt Mean	0.00004490	0.00130310	-0.00019407	0.00037848	0.00018738	0.00146644	0.00000544
RelInt RSD	*24.33613782*	*22.72425977*	*9.60422905*	*15.81001255*	*20.89897445*	*26.33732007*	*443.81252046*
RelInt SD	*0.00001093*	*0.00029612*	*0.00001864*	*0.00005984*	*0.00003916*	*0.00038622*	*0.00002416*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6511.37000	59616.07400	30468.65500	586.17855000	1751.95740	9198.46710	5613.12840
Int RSD	*0.53368838*	*0.31431697*	*38.81505436*	*36.65035850*	*16.45473800*	*0.22013166*	*2.58216256*
Int SD	*34.75042500*	*187.38344000*	*11826.42500*	*214.83654000*	*288.28000000*	*20.24873800*	*144.94010000*
RelInt Mean	0.00002399	0.00075322	0.02206041	0.00125017	0.00012440	0.00017194	0.00038854
RelInt RSD	*32.31736313*	*2.03864862*	*56.33329488*	*35.42576468*	*141.78761901*	*21.29526761*	*45.95071252*
RelInt SD	*0.00000775*	*0.00001536*	*0.01242735*	*0.00044288*	*0.00017638*	*0.00003662*	*0.00017854*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	16132.24100	8347.79550	8429.68490	5893.08330	4729.51110	4702.28700	979.89382000
Int RSD	*6.60321030*	*0.80648731*	*0.25671387*	*0.29191586*	*1.48632540*	*1.86560905*	*17.89274169*
Int SD	*1065.24580*	*67.32391100*	*21.64017000*	*17.20284500*	*70.29592500*	*87.72629200*	*175.32987000*
RelInt Mean	0.02452178	0.00023845	-0.00010827	0.00007568	0.00005858	0.00033367	-0.00020615
RelInt RSD	*1.79742324*	*15.00242105*	*40.96287790*	*28.82524286*	*138.09401652*	*36.58643101*	*112.26970072*
RelInt SD	*0.00044076*	*0.00003577*	*0.00004435*	*0.00002181*	*0.00008089*	*0.00012208*	*0.00023144*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	78254.12500	4353.51900	16364.46300	970979	17553115	370837	5645.52260
Int RSD	*6.41975423*	*0.49484778*	*0.57455798*	*0.32531652*	*0.42123699*	*1.17838941*	*0.48942644*
Int SD	*5023.72250*	*21.54329200*	*94.02332800*	*3158.75630*	*73940.21400*	*4369.90840*	*27.63068000*
RelInt Mean	0.00108985	-0.00016276	0.00020187	---	---	---	0.00018701
RelInt RSD	*29.44119497*	*4.34586868*	*1.19803299*	---	---	---	*7.24237875*
RelInt SD	*0.00032087*	*0.00000707*	*0.00000242*	---	---	---	*0.00001354*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	76.62965400	5749.78810	7545.70660	5638.41100	7759.15410	6733.78040	
Int RSD	*62.03175340*	*14.52324373*	*0.27990432*	*1.77052031*	*0.09705890*	*0.56121769*	
Int SD	*47.53471800*	*835.05574000*	*21.12075900*	*99.82921200*	*7.53094960*	*37.79116700*	
RelInt Mean	-0.00040040	0.00106130	0.00055036	0.00015969	0.00016505	-0.00012188	
RelInt RSD	*26.66102536*	*22.52885669*	*9.17801133*	*75.49118676*	*11.38218127*	*24.42712619*	
RelInt SD	*0.00010675*	*0.00023910*	*0.00005051*	*0.00012055*	*0.00001879*	*0.00002977*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L1,S17110			Sample Type: Calibration Sample
Measure Date: 2022-08-23 09:37:05	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	57486.22900	1820.52760	4751.33520	7507.88350	9461.50340	1501.34880	8117.48560
Int RSD	*0.28892215*	*9.58244028*	*0.09889886*	*0.35025547*	*0.52907189*	*11.93799136*	*0.21726210*
Int SD	*166.09045000*	*174.45097000*	*4.69901630*	*26.29677300*	*50.05815500*	*179.23089000*	*17.63622000*
RelInt Mean	0.00004285	0.00159577	0.00000021	0.00076799	0.00129886	0.00334087	0.00033674
RelInt RSD	*45.57108644*	*32.87283702*	*8554.48267*	*4.74518679*	*0.74279046*	*8.13343207*	*2.34920218*
RelInt SD	*0.00001953*	*0.00052457*	*0.00001801*	*0.00003644*	*0.00000965*	*0.00027173*	*0.00000791*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7295.79450	63758.22900	20278.78600	854.05747000	2023.46340	15672.60600	5968.47360
Int RSD	*0.38456906*	*0.16721010*	*18.11858609*	*19.26330906*	*3.65179958*	*0.60055161*	*1.05543193*
Int SD	*28.05736800*	*106.61020000*	*3674.22930*	*164.51973000*	*73.89282800*	*94.12208800*	*62.99317600*
RelInt Mean	0.00065808	0.00085993	0.01090748	0.00182788	0.00044471	0.00645435	0.00065721
RelInt RSD	*2.13865434*	*0.64302149*	*34.88192052*	*19.40354539*	*45.51424459*	*1.15728249*	*10.23534579*
RelInt SD	*0.00001407*	*0.00000553*	*0.00380474*	*0.00035467*	*0.00020241*	*0.00007470*	*0.00006727*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	21034.67000	8971.58070	8764.14020	6239.82810	5098.05220	4757.47570	9309.33930
Int RSD	*9.09035939*	*0.65823049*	*0.64189011*	*0.84920572*	*0.81081043*	*0.37417484*	*11.70922194*
Int SD	*1912.12710*	*59.05368000*	*56.25614900*	*52.98897700*	*41.33553900*	*17.80127700*	*1090.05120*
RelInt Mean	0.03744732	0.00066023	0.00007443	0.00030670	0.00034867	0.00030783	0.02196518
RelInt RSD	*6.84824897*	*2.84759271*	*32.28236501*	*10.37447065*	*10.41482274*	*1.92499511*	*13.98588284*
RelInt SD	*0.00256449*	*0.00001880*	*0.00002403*	*0.00003182*	*0.00003631*	*0.00000593*	*0.00307202*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	75510.78600	4526.02900	17054.97900	994585	17763203	372492	10433.02100
Int RSD	*1.63110963*	*0.40258361*	*0.27377025*	*0.31287333*	*0.19692440*	*0.77476044*	*0.40869433*
Int SD	*1231.66370*	*18.22105100*	*46.69145800*	*3111.79120*	*34980.08100*	*2885.92120*	*42.63916500*
RelInt Mean	0.00078498	0.00001850	0.00020377	---	---	---	0.00490641
RelInt RSD	*9.48448773*	*25.85939455*	*4.96911806*	---	---	---	*1.10472757*
RelInt SD	*0.00007445*	*0.00000478*	*0.00001013*	---	---	---	*0.00005420*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	289.10775000	5832.02400	16832.51000	66382.00200	8503.40820	36256.42400	
Int RSD	*54.82242520*	*17.12901627*	*0.34454531*	*0.47716411*	*0.48481849*	*0.50993697*	
Int SD	*158.49588000*	*998.96834000*	*57.99562400*	*316.75109000*	*41.22609500*	*184.88491000*	
RelInt Mean	-0.00008103	0.00114088	0.00979514	0.06167094	0.00074995	0.02969549	
RelInt RSD	*225.12291507*	*21.16809657*	*0.79722008*	*0.66766392*	*4.14515659*	*0.86129138*	
RelInt SD	*0.00018242*	*0.00024150*	*0.00007809*	*0.00041175*	*0.00003109*	*0.00025576*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L2,S17109			Sample Type: Calibration Sample
Measure Date: 2022-08-23 09:40:22	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	58279.85000	2317.48140	7988.05510	18619.67200	40828.18500	762.38100000	18083.87600
Int RSD	*0.13212276*	*5.71837254*	*0.25113450*	*0.70090402*	*0.38303760*	*32.98313704*	*0.33765899*
Int SD	*77.00094900*	*132.52222000*	*20.06076200*	*130.50603000*	*156.38730000*	*251.45717000*	*61.06183300*
RelInt Mean	0.00003557	0.00281675	0.00320280	0.01193017	0.03299829	0.00137033	0.01031410
RelInt RSD	*48.07335676*	*3.69049439*	*0.54905150*	*0.99715277*	*0.49116883*	*23.71769838*	*0.58125022*
RelInt SD	*0.00001710*	*0.00010395*	*0.00001759*	*0.00011896*	*0.00016208*	*0.00032501*	*0.00005995*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	23464.01700	131443	83915.82600	722.48825000	1858.87360	182892	20417.77700
Int RSD	*0.88455741*	*0.88375377*	*3.19381495*	*21.39851963*	*15.60262408*	*0.19485686*	*0.76791577*
Int SD	*207.55270000*	*1161.63530*	*2680.11620*	*154.60179000*	*290.03306000*	*356.37701000*	*156.79133000*
RelInt Mean	0.01690552	0.00463197	0.07534656	0.00148838	0.00011399	0.17597473	0.01522575
RelInt RSD	*1.21006017*	*1.07330173*	*3.63381248*	*19.78073607*	*363.36718533*	*0.22277643*	*1.09890895*
RelInt SD	*0.00020457*	*0.00004972*	*0.00273795*	*0.00029441*	*0.00041420*	*0.00039203*	*0.00016732*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	17263.12600	22778.50300	12757.16200	14785.75000	14373.64000	10741.99300	256230
Int RSD	*9.03930667*	*0.49884859*	*0.96332672*	*0.40823447*	*1.04009193*	*0.48383321*	*0.28989965*
Int SD	*1560.46690*	*113.63024000*	*122.89315000*	*60.36052800*	*149.49907000*	*51.97333000*	*742.81059000*
RelInt Mean	0.02707453	0.01454299	0.00395856	0.00887344	0.00968776	0.00631993	0.69077238
RelInt RSD	*6.63441655*	*0.85640889*	*3.46720596*	*0.91133679*	*1.45497226*	*0.84584690*	*0.36173786*
RelInt SD	*0.00179624*	*0.00012455*	*0.00013725*	*0.00008087*	*0.00014095*	*0.00005346*	*0.00249879*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	289006	8961.19580	23141.69600	995231	17767945	370554	119156
Int RSD	*0.78544164*	*1.84856222*	*0.13289501*	*0.01125021*	*0.42289566*	*0.20700451*	*0.16356414*
Int SD	*2269.97120*	*165.65328000*	*30.75415900*	*111.96559000*	*75139.86900*	*767.06270000*	*194.89699000*
RelInt Mean	0.01278040	0.00445912	0.00053610	---	---	---	0.11515510
RelInt RSD	*0.68509424*	*3.78573346*	*0.43023178*	---	---	---	*0.18857811*
RelInt SD	*0.00008756*	*0.00016881*	*0.00000231*	---	---	---	*0.00021716*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6481.09320	9932.93350	8202.93710	5787.70150	25365.75700	6899.30020	
Int RSD	*5.11518581*	*8.29750073*	*0.41564488*	*1.68409674*	*0.53413553*	*0.70010131*	
Int SD	*331.51996000*	*824.18523000*	*34.09508800*	*97.47049200*	*135.48752000*	*48.30209100*	
RelInt Mean	0.01656634	0.01210506	0.00090637	0.00014224	0.01769955	-0.00017396	
RelInt RSD	*4.61541719*	*4.65536751*	*0.62599980*	*67.22163074*	*0.65478248*	*38.37785283*	
RelInt SD	*0.00076461*	*0.00056354*	*0.00000567*	*0.00009562*	*0.00011589*	*0.00006676*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L3,S17108			Sample Type: Calibration Sample
Measure Date: 2022-08-23 09:43:39	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	58777.09700	7030.74420	36948.41700	118179	324518	747.60644000	107288
Int RSD	*0.43788410*	*14.72874948*	*0.28392434*	*0.45579431*	*0.25634552*	*21.41043087*	*1.50776918*
Int SD	*257.37556000*	*1035.54070*	*104.90555000*	*538.65539000*	*831.88762000*	*160.06576000*	*1617.65570*
RelInt Mean	0.00004339	0.01566298	0.03223881	0.11197011	0.31829348	0.00147783	0.09987100
RelInt RSD	*42.79243462*	*14.92816024*	*0.13464844*	*0.28606692*	*0.06868201*	*31.41325972*	*1.83103148*
RelInt SD	*0.00001857*	*0.00233820*	*0.00004341*	*0.00032031*	*0.00021861*	*0.00046424*	*0.00182867*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	165229	784941	688423	619.02758000	1777.18370	1737320	150380
Int RSD	*0.28012539*	*1.49403275*	*0.22351880*	*29.57714744*	*12.08848022*	*0.45880256*	*0.44570132*
Int SD	*462.84734000*	*11727.27800*	*1538.75510*	*183.09070000*	*214.83450000*	*7970.86680*	*670.24574000*
RelInt Mean	0.15924047	0.04142748	0.68337584	0.00136607	-0.00014350	1.74011120	0.14581098
RelInt RSD	*0.38563463*	*1.45788139*	*0.00502232*	*28.32268768*	*39.95712763*	*0.41882013*	*0.57560161*
RelInt SD	*0.00061409*	*0.00060396*	*0.00003432*	*0.00038691*	*0.00005734*	*0.00728794*	*0.00083929*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	17427.48800	147304	48062.88800	95352.44900	101399	64923.25800	2464779
Int RSD	*10.10881316*	*0.33117460*	*0.21844255*	*0.26606039*	*0.23413827*	*0.44708842*	*0.48449360*
Int SD	*1761.71220*	*487.83429000*	*104.98980000*	*253.69510000*	*237.41436000*	*290.26437000*	*11941.69400*
RelInt Mean	0.02756128	0.13959175	0.03925493	0.08980911	0.09714215	0.06069684	6.71651590
RelInt RSD	*5.10917289*	*0.31818751*	*0.04016638*	*0.33674223*	*0.34218612*	*0.38661419*	*0.39913468*
RelInt SD	*0.00140815*	*0.00044416*	*0.00001577*	*0.00030243*	*0.00033241*	*0.00023466*	*0.02680794*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2264368	52059.83800	75563.40100	1002896	17783625	368128	1127586
Int RSD	*2.05504000*	*0.66778335*	*1.48040544*	*0.21613059*	*0.50831273*	*0.13582746*	*0.50004068*
Int SD	*46533.66400*	*347.64693000*	*1118.64470*	*2167.56570*	*90396.42900*	*500.01853000*	*5638.38920*
RelInt Mean	0.12410585	0.04767007	0.00348315	---	---	---	1.12974020
RelInt RSD	*1.99849217*	*0.95419751*	*1.27786476*	---	---	---	*0.45263245*
RelInt SD	*0.00248025*	*0.00045487*	*0.00004451*	---	---	---	*0.00511357*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	66003.72000	44616.68200	9635.16980	6206.89140	174576	7325.18640	
Int RSD	*10.74648293*	*10.97638188*	*0.40457325*	*0.63298788*	*0.36839058*	*0.89815196*	
Int SD	*7093.07850*	*4897.29740*	*38.98132000*	*39.28887000*	*643.11981000*	*65.79130500*	
RelInt Mean	0.17917544	0.10609167	0.00217558	0.00040863	0.16756252	0.00013017	
RelInt RSD	*10.88830143*	*9.45387513*	*3.51169381*	*7.96332944*	*0.19597356*	*45.58115472*	
RelInt SD	*0.01950916*	*0.01002977*	*0.00007640*	*0.00003254*	*0.00032838*	*0.00005933*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L4,S17107			Sample Type: Calibration Sample
Measure Date: 2022-08-23 09:46:55	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	65994.01800	53541.78100	309542	1109440	3043357	883.44531000	987525
Int RSD	*6.86553242*	*8.54322739*	*0.36629349*	*0.47243319*	*0.45411286*	*14.69074526*	*0.11299859*
Int SD	*4530.84070*	*4574.19610*	*1133.83190*	*5241.36140*	*13820.27500*	*129.78470000*	*1115.88950*
RelInt Mean	0.00014314	0.14545323	0.31007808	1.12429480	3.09578700	0.00184537	0.99801772
RelInt RSD	*190.50441159*	*9.18182979*	*0.40868606*	*0.55816586*	*0.55816059*	*13.35015093*	*0.11050480*
RelInt SD	*0.00027269*	*0.01335527*	*0.00126725*	*0.00627543*	*0.01727946*	*0.00024636*	*0.00110286*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	1516332	7553943	6418624	724.35864000	2030.51380	16166817	1431961
Int RSD	*0.39710825*	*1.95362467*	*0.41159167*	*20.55314616*	*2.17486096*	*0.27050293*	*0.60816455*
Int SD	*6021.47910*	*147576*	*26418.52200*	*148.87849000*	*44.16085200*	*43731.71300*	*8708.67790*
RelInt Mean	1.53792300	0.43141772	6.53854580	0.00151042	0.00017955	16.48579200	1.45420710
RelInt RSD	*0.47539822*	*2.20043057*	*0.46813428*	*16.58325169*	*68.75361280*	*0.07639998*	*0.61015159*
RelInt SD	*0.00731126*	*0.00949305*	*0.03060917*	*0.00025048*	*0.00012345*	*0.01259514*	*0.00887287*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	16533.33400	1336037	378296	872864	5741.30510	593387	21961262
Int RSD	*9.44399115*	*0.15281434*	*0.17117399*	*0.06684667*	*1.15885644*	*0.23921429*	*1.40216409*
Int SD	*1561.40660*	*2041.65550*	*647.54409000*	*583.48027000*	*66.53348400*	*1419.46600*	*307933*
RelInt Mean	0.02573402	1.35299280	0.37534156	0.88245943	0.00004913	0.60003048	61.38664700
RelInt RSD	*5.52879094*	*0.32674954*	*0.17472332*	*0.23563371*	*176.33497408*	*0.12345009*	*1.46483143*
RelInt SD	*0.00142278*	*0.00442090*	*0.00065581*	*0.00207937*	*0.00008663*	*0.00074074*	*0.89921090*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	21373034	472269	583680	991041	17413037	359240	10877824
Int RSD	*1.46338756*	*0.24493657*	*1.58951145*	*0.20658874*	*0.35311594*	*0.75602354*	*0.12390576*
Int SD	*312770*	*1156.75980*	*9277.66170*	*2047.37940*	*61488.21000*	*2715.93520*	*13478.25000*
RelInt Mean	1.22707580	0.47559526	0.03274276	---	---	---	11.09121600
RelInt RSD	*1.69198064*	*0.20129820*	*1.81097189*	---	---	---	*0.22159255*
RelInt SD	*0.02076189*	*0.00095736*	*0.00059296*	---	---	---	*0.02457731*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	664728	385802	23183.12200	10012.26100	1638477	9246.28010	
Int RSD	*0.42865830*	*0.63286291*	*0.56853926*	*0.51244765*	*0.50310532*	*1.22747850*	
Int SD	*2849.41270*	*2441.59890*	*131.80515000*	*51.30759600*	*8243.26340*	*113.49610000*	
RelInt Mean	1.85587450	1.05639930	0.01569329	0.00356462	1.66067910	0.00149757	
RelInt RSD	*0.45596454*	*0.25457931*	*1.20981070*	*1.28853655*	*0.59825485*	*10.31296315*	
RelInt SD	*0.00846213*	*0.00268937*	*0.00018986*	*0.00004593*	*0.00993509*	*0.00015444*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L5,S16645			Sample Type: Calibration Sample
Measure Date: 2022-08-23 09:50:13	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	1117723	1886.27660	4851.80740	9955.17360	8797.38390	874.29483000	8088.83450
Int RSD	*1.28916225*	*3.00416164*	*0.80776875*	*4.20566840*	*1.89610550*	*24.93118140*	*0.66564211*
Int SD	*14409.26300*	*56.66679800*	*39.19138400*	*418.68159000*	*166.80768000*	*217.97203000*	*53.84268900*
RelInt Mean	0.06072910	0.00122698	-0.00002573	0.00303993	0.00033714	0.00172786	0.00004637
RelInt RSD	*1.48943526*	*9.54314118*	*78.85729241*	*14.40290560*	*57.83385804*	*19.12566244*	*160.73417629*
RelInt SD	*0.00090452*	*0.00011709*	*0.00002029*	*0.00043784*	*0.00019498*	*0.00033047*	*0.00007453*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7173.76910	68893.32100	15448.43200	863.47210000	1953.83200	10580.59400	8923.78080
Int RSD	*2.95117109*	*7.22866401*	*15.98315026*	*24.04475952*	*1.20134208*	*5.28113941*	*16.92388051*
Int SD	*211.71020000*	*4980.06670*	*2469.14610*	*207.61979000*	*23.47220600*	*558.77592000*	*1510.25000*
RelInt Mean	0.00028708	0.00111217	0.00573921	0.00183983	-0.00027606	0.00099986	0.00345699
RelInt RSD	*70.71207071*	*26.57702221*	*44.89019451*	*28.50364743*	*138.79792061*	*55.74928822*	*45.40882628*
RelInt SD	*0.00020300*	*0.00029558*	*0.00257634*	*0.00052442*	*0.00038316*	*0.00055742*	*0.00156978*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	18826.18600	8842.22410	8930.38270	6436.26930	4931.11890	5345.66050	1845.98280
Int RSD	*8.54522419*	*0.53077391*	*0.16322513*	*1.81215444*	*0.86572108*	*6.11512609*	*2.56095436*
Int SD	*1608.73980*	*46.93221900*	*14.57662900*	*116.63514000*	*42.68973600*	*326.89388000*	*47.27477700*
RelInt Mean	0.03151069	0.00026656	-0.00008926	0.00030604	-0.00000136	0.00076347	0.00131085
RelInt RSD	*5.13809519*	*21.88987178*	*33.53466361*	*44.92167651*	*4167.68719*	*45.13084155*	*20.91003915*
RelInt SD	*0.00161905*	*0.00005835*	*0.00002993*	*0.00013748*	*0.00005668*	*0.00034456*	*0.00027410*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	116085	6787.15190	17832.93800	989476	17490125	362444	6661.64520
Int RSD	*12.29467020*	*22.12731676*	*1.95577066*	*0.27707224*	*0.16285635*	*0.46988883*	*5.79803680*
Int SD	*14272.32200*	*1501.81460*	*348.77137000*	*2741.56260*	*28483.78000*	*1703.08320*	*386.24464000*
RelInt Mean	0.00304281	0.00215433	0.00023363	---	---	---	0.00090510
RelInt RSD	*27.18838294*	*71.55579497*	*11.27043093*	---	---	---	*39.90934037*
RelInt SD	*0.00082729*	*0.00154155*	*0.00002633*	---	---	---	*0.00036122*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	243.21480000	5907.23700	7874.53520	5787.82810	8317.35570	6918.81880	
Int RSD	*59.74131920*	*17.33693603*	*0.16868889*	*1.53896915*	*0.38975309*	*0.07239674*	
Int SD	*145.29973000*	*1024.13390*	*13.28346600*	*89.07288900*	*32.41715100*	*5.00899940*	
RelInt Mean	-0.00047121	0.00085767	0.00044326	0.00007507	0.00030731	-0.00016160	
RelInt RSD	*90.61827681*	*7.50301688*	*1.44797106*	*121.92148909*	*6.69710820*	*11.13352682*	
RelInt SD	*0.00042700*	*0.00006435*	*0.00000642*	*0.00009153*	*0.00002058*	*0.00001799*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L6,S17115			Sample Type: Calibration Sample
Measure Date: 2022-08-23 09:53:29	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	59593.71700	2220.77570	4856.55430	8681.40420	8818.45340	73722.87400	8156.17320
Int RSD	*0.17762448*	*13.43712830*	*0.93280118*	*1.11316874*	*0.10403782*	*10.40626712*	*0.35340603*
Int SD	*105.85303000*	*298.40848000*	*45.30199600*	*96.63867800*	*9.17452650*	*7671.79920*	*28.82440800*
RelInt Mean	0.00006889	0.00119536	-0.00009304	0.00161339	0.00015916	0.20654422	-0.00002376
RelInt RSD	*25.16959866*	*31.84090519*	*65.79199423*	*7.23693220*	*25.33551556*	*10.09871058*	*133.05864280*
RelInt SD	*0.00001734*	*0.00038061*	*0.00006121*	*0.00011676*	*0.00004032*	*0.02085830*	*0.00003162*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7090.41330	62444.66000	13432.90100	21375.63300	15401.58700	10006.89800	6154.91360
Int RSD	*0.34967148*	*0.38090962*	*5.11478801*	*6.73469413*	*3.12034961*	*0.11598854*	*2.06147865*
Int SD	*24.79315300*	*237.85772000*	*687.06441000*	*1439.58350*	*480.58336000*	*11.60685500*	*126.88223000*
RelInt Mean	0.00011323	0.00071384	0.00357280	0.05951517	0.03750522	0.00023953	0.00057017
RelInt RSD	*26.48325039*	*1.13328395*	*21.13591203*	*6.07827725*	*4.41295235*	*20.12941774*	*25.61843348*
RelInt SD	*0.00002999*	*0.00000809*	*0.00075514*	*0.00361750*	*0.00165509*	*0.00004822*	*0.00014607*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	438643	8972.41090	9100.92050	6324.56270	4994.18440	4883.48080	1464.97310
Int RSD	*0.84851133*	*0.63888144*	*0.60813665*	*0.62937491*	*0.69011375*	*0.81086161*	*15.08732959*
Int SD	*3721.93520*	*57.32306800*	*55.34603300*	*39.80521100*	*34.46555300*	*39.59827100*	*221.02532000*
RelInt Mean	1.21094230	0.00024688	-0.00006687	0.00009024	0.00002198	0.00022741	0.00036756
RelInt RSD	*0.04499020*	*35.97700400*	*98.16236539*	*55.68762661*	*104.50793703*	*17.76817312*	*108.71893238*
RelInt SD	*0.00054481*	*0.00008882*	*0.00006564*	*0.00005025*	*0.00002297*	*0.00004041*	*0.00039961*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	76897.02800	4637.00280	17442.21800	982221	17346598	356815	6215.95250
Int RSD	*1.73208736*	*0.25057904*	*0.79941473*	*0.31422639*	*0.85766033*	*0.70652611*	*0.29628150*
Int SD	*1331.92370*	*11.61935700*	*139.43566000*	*3086.39630*	*148775*	*2520.99120*	*18.41671700*
RelInt Mean	0.00076908	-0.00010641	0.00019297	---	---	---	0.00037844
RelInt RSD	*12.37590655*	*15.91122053*	*2.19467304*	---	---	---	*7.38667600*
RelInt SD	*0.00009518*	*0.00001693*	*0.00000424*	---	---	---	*0.00002795*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	193.56103000	6043.58780	864820	5968.69770	8297.17850	6997.04470	
Int RSD	*58.35248965*	*16.55840592*	*0.44694878*	*0.23526450*	*0.56566975*	*0.72803648*	
Int SD	*112.94768000*	*1000.72180*	*3865.30240*	*14.04222700*	*46.93462900*	*50.94103800*	
RelInt Mean	-0.00054468	0.00109591	0.88106776	0.00018962	0.00017355	-0.00019073	
RelInt RSD	*112.14689739*	*16.21321203*	*0.15313101*	*5.95802199*	*16.37011278*	*27.00399876*	
RelInt SD	*0.00061084*	*0.00017768*	*0.00134919*	*0.00001130*	*0.00002841*	*0.00005151*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L7,S17113			Sample Type: Calibration Sample
Measure Date: 2022-08-23 09:56:45	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	59194.85500	1910.48030	4797.12000	8172.43290	8653.97530	840.64280000	8134.94740
Int RSD	*0.49710734*	*6.90071444*	*0.71764623*	*0.32318650*	*0.21235827*	*8.83422959*	*0.43818100*
Int SD	*294.26197000*	*131.83679000*	*34.42635100*	*26.41220000*	*18.37743200*	*74.26431500*	*35.64579400*
RelInt Mean	0.00005214	0.00116533	-0.00012858	0.00113191	0.00012661	0.00150480	0.00001113
RelInt RSD	*9.60514040*	*23.52348882*	*14.33180413*	*1.88220328*	*18.70635225*	*17.91987429*	*245.19927239*
RelInt SD	*0.00000501*	*0.00027413*	*0.00001843*	*0.00002130*	*0.00002369*	*0.00026966*	*0.00002730*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7077.75600	62207.34800	11946.25800	975.46175000	2144.80080	10034.44100	5760.11460
Int RSD	*0.43690452*	*0.64731226*	*3.48093185*	*25.33107731*	*8.02908410*	*0.25154198*	*0.46067146*
Int SD	*30.92303600*	*402.67579000*	*415.84110000*	*247.09497000*	*172.20786000*	*25.24083200*	*26.53520400*
RelInt Mean	0.00013448	0.00069167	0.00203239	0.00208897	0.00016600	0.00035755	0.00020005
RelInt RSD	*17.54640485*	*1.15785392*	*20.71793846*	*26.45238739*	*52.56362284*	*4.87180041*	*35.85731449*
RelInt SD	*0.00002360*	*0.00000801*	*0.00042107*	*0.00055258*	*0.00008726*	*0.00001742*	*0.00007173*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	20640.72500	8874.34900	8973.61990	6214.20430	4994.60200	4685.03120	1320.47690
Int RSD	*8.55978945*	*0.82095985*	*0.03494372*	*0.76918974*	*0.54585859*	*0.56662397*	*1.02102112*
Int SD	*1766.80260*	*72.85484200*	*3.13571700*	*47.79902200*	*27.26346400*	*26.54651000*	*13.48234800*
RelInt Mean	0.03585609	0.00019029	-0.00009658	0.00002470	0.00002492	0.00005841	-0.00015034
RelInt RSD	*6.16891781*	*38.18903367*	*2.63406545*	*72.81474690*	*215.64360993*	*45.14231289*	*129.82738544*
RelInt SD	*0.00221193*	*0.00007267*	*0.00000254*	*0.00001799*	*0.00005373*	*0.00002637*	*0.00019518*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	65002.37000	4568.99630	17238.66400	1002995	17736144	364969	6147.59650
Int RSD	*0.51593148*	*0.35041477*	*1.31343166*	*0.62274869*	*0.20858212*	*1.04431408*	*0.98004619*
Int SD	*335.36769000*	*16.01043800*	*226.41807000*	*6246.13760*	*36994.42500*	*3811.42170*	*60.24928500*
RelInt Mean	0.00008968	-0.00015177	0.00019230	---	---	---	0.00033481
RelInt RSD	*5.86513126*	*19.11155442*	*4.93186288*	---	---	---	*17.68856404*
RelInt SD	*0.00000526*	*0.00002901*	*0.00000948*	---	---	---	*0.00005922*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	264.08190000	6082.84320	8444.68890	601470	8261.60880	288924	
Int RSD	*59.79555964*	*18.28876339*	*1.15245858*	*0.71944494*	*0.72258178*	*0.62597707*	
Int SD	*157.90925000*	*1112.47680*	*97.32154200*	*4327.24410*	*59.69688000*	*1808.59660*	
RelInt Mean	-0.00036556	0.00073981	0.00095038	0.59964384	0.00015871	0.28371965	
RelInt RSD	*72.71523931*	*8.17086110*	*12.35358036*	*0.30859056*	*55.76325994*	*0.24834510*	
RelInt SD	*0.00026582*	*0.00006045*	*0.00011741*	*0.00185044*	*0.00008850*	*0.00070460*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L8,S17048			Sample Type: Calibration Sample
Measure Date: 2022-08-23 10:00:01	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	58755.13600	5954.98370	5115.29720	8510.90470	9108.90910	1372076	8411.79890
Int RSD	*0.82091503*	*6.87195701*	*0.33091804*	*0.48111077*	*0.23337112*	*0.37214478*	*0.29177623*
Int SD	*482.32974000*	*409.22392000*	*16.92744100*	*40.94687900*	*21.25756300*	*5106.10740*	*24.54363000*
RelInt Mean	0.00003860	-0.00295232	-0.00009540	0.00099177	0.00024340	4.01931230	-0.00002098
RelInt RSD	*49.42134537*	*44.90974474*	*35.00585787*	*4.59631503*	*9.89990174*	*0.73881758*	*151.02548439*
RelInt SD	*0.00001908*	*0.00132588*	*0.00003340*	*0.00004558*	*0.00002410*	*0.02969539*	*0.00003169*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7504.51930	62686.85000	12307.45600	78433.30800	246938	10681.64900	5868.82960
Int RSD	*0.48822286*	*0.53619313*	*2.57823696*	*13.61603160*	*0.88398066*	*0.04914503*	*0.50223842*
Int SD	*36.63877900*	*336.12258000*	*317.31538000*	*10679.50400*	*2182.88700*	*5.24950000*	*29.47551700*
RelInt Mean	0.00003426	0.00072868	0.00198368	0.22932975	0.71568129	0.00052835	0.00002740
RelInt RSD	*90.77876235*	*1.00731216*	*17.52082931*	*14.11123720*	*0.55375644*	*3.63864719*	*104.99695427*
RelInt SD	*0.00003110*	*0.00000734*	*0.00034756*	*0.03236127*	*0.00396313*	*0.00001922*	*0.00002876*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	1588855	9182.26020	9310.26970	6437.62690	5099.87040	4880.33890	2264.86570
Int RSD	*0.37343098*	*0.16578888*	*0.30720219*	*0.22994399*	*0.68222314*	*0.70723259*	*8.98285713*
Int SD	*5933.27560*	*15.22316600*	*28.60135200*	*14.80293600*	*34.79249600*	*34.51534700*	*203.44965000*
RelInt Mean	4.62447770	0.00018073	-0.00009271	0.00004600	-0.00000658	0.00004874	0.00310088
RelInt RSD	*0.42935175*	*5.44441436*	*30.10728400*	*45.06421122*	*436.66748326*	*62.38373450*	*16.27067041*
RelInt SD	*0.01985528*	*0.00000984*	*0.00002791*	*0.00002073*	*0.00002873*	*0.00003041*	*0.00050453*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	67370.76300	4739.54490	18281.75600	947095	17062837	342699	6441.12210
Int RSD	*0.46498666*	*0.15209732*	*0.56871621*	*0.17645454*	*0.17547598*	*0.55982517*	*0.74666642*
Int SD	*313.26506000*	*7.20872060*	*103.97131000*	*1671.19230*	*29941.18000*	*1918.51790*	*48.09369600*
RelInt Mean	0.00016747	-0.00013659	0.00020067	---	---	---	0.00045316
RelInt RSD	*5.03472161*	*22.50492954*	*4.24060357*	---	---	---	*9.61694899*
RelInt SD	*0.00000843*	*0.00003074*	*0.00000851*	---	---	---	*0.00004358*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	155.76533000	5908.58720	8650.31640	6239.43870	8560.17730	7345.99180	
Int RSD	*101.05762303*	*19.05905358*	*0.44677050*	*0.99749117*	*0.26307094*	*0.80846977*	
Int SD	*157.41274000*	*1126.12080*	*38.64706200*	*62.23785000*	*22.51933900*	*59.39012300*	
RelInt Mean	-0.00046006	0.00146554	0.00060051	0.00032945	0.00014157	-0.00007967	
RelInt RSD	*18.77722996*	*25.37685239*	*12.89961817*	*19.38415004*	*34.23784557*	*114.11353732*	
RelInt SD	*0.00008639*	*0.00037191*	*0.00007746*	*0.00006386*	*0.00004847*	*0.00009092*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICV,S17024			Sample Type: Control Sample
Measure Date: 2022-08-23 10:03:29	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	343814	7166.62540	36592.49000	118161	311644	736381	198031
Int RSD	*1.52567928*	*1.14808353*	*0.13076299*	*0.30453870*	*0.04170993*	*0.40744350*	*0.24533577*
Int SD	*5245.49210*	*82.27884600*	*47.84943300*	*359.84475000*	*129.98645000*	*3000.33720*	*485.84166000*
RelInt Mean	0.01656005	0.00916026	0.03267357	0.11533001	0.31561199	2.12912110	0.19746964
RelInt RSD	*2.39722137*	*3.45841642*	*0.21478492*	*0.21963439*	*0.18037609*	*0.59125242*	*0.37725246*
RelInt SD	*0.00039698*	*0.00031680*	*0.00007018*	*0.00025330*	*0.00056929*	*0.01258848*	*0.00074496*
Conc Mean	0.54429805[mg/l]	1.09016780[mg/l]	1.05786320[mg/l]	1.02284840[mg/l]	1.01477000[mg/l]	105.90451000[mg/l]	0.98751991[mg/l]
Conc RSD	*2.40374038*	*4.03199948*	*0.21380514*	*0.22035561*	*0.17904369*	*0.59166160*	*0.37499849*
Conc SD	*0.01308351[mg/l]*	*0.04395556[mg/l]*	*0.00226177[mg/l]*	*0.00225390[mg/l]*	*0.00181688[mg/l]*	*0.62659632[mg/l]*	*0.00370318[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	155552	831581	342207	45113.97700	127306	1610843	153004
Int RSD	*0.28733607*	*2.22760234*	*0.05431734*	*9.47200532*	*0.61332966*	*0.26867226*	*0.43211540*
Int SD	*446.95769000*	*18524.31000*	*185.87796000*	*4273.19830*	*780.80527000*	*4327.88860*	*661.15298000*
RelInt Mean	0.15424228	0.04542356	0.34594440	0.12980001	0.36096526	1.66937430	0.15338341
RelInt RSD	*0.36619216*	*2.77698085*	*0.12762438*	*9.81036134*	*0.40692534*	*0.19849580*	*0.56361265*
RelInt SD	*0.00056482*	*0.00126140*	*0.00044151*	*0.01273385*	*0.00146886*	*0.00331364*	*0.00086449*
Conc Mean	1.00237610[mg/l]	1.03784360[mg/l]	0.99392080[mg/l]	112.72367000[mg/l]	100.84398000[mg/l]	1.01187820[mg/l]	1.05235860[mg/l]
Conc RSD	*0.36626266*	*2.82364086*	*0.13631586*	*9.90576957*	*0.40706898*	*0.19852968*	*0.56504536*
Conc SD	*0.00367133[mg/l]*	*0.02930498[mg/l]*	*0.00135487[mg/l]*	*11.16614700[mg/l]*	*0.41050456[mg/l]*	*0.00200888[mg/l]*	*0.00594630[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	846717	138623	46965.18300	35837.57200	36136.09500	298416	471243
Int RSD	*0.22535059*	*0.14429390*	*0.74971762*	*0.42197873*	*0.12096925*	*0.12163126*	*0.22913396*
Int SD	*1908.08190*	*200.02420000*	*352.10625000*	*151.22693000*	*43.71356400*	*362.96742000*	*1079.77850*
RelInt Mean	2.42282130	0.13495060	0.03898865	0.03056047	0.03224341	0.30616471	1.35958570
RelInt RSD	*0.38859423*	*0.15717388*	*0.96713723*	*0.54057213*	*0.21032694*	*0.07477223*	*0.24654419*
RelInt SD	*0.00941494*	*0.00021211*	*0.00037707*	*0.00016520*	*0.00006782*	*0.00022893*	*0.00335198*
Conc Mean	104.07475000[mg/l]	0.99549526[mg/l]	1.04051800[mg/l]	1.03034760[mg/l]	0.99463159[mg/l]	5.09942600[mg/l]	1.01193690[mg/l]
Conc RSD	*0.39257480*	*0.15745398*	*0.96456822*	*0.54692283*	*0.21071011*	*0.07485377*	*0.24650992*
Conc SD	*0.40857124[mg/l]*	*0.00156745[mg/l]*	*0.01003651[mg/l]*	*0.00563521[mg/l]*	*0.00209579[mg/l]*	*0.00381711[mg/l]*	*0.00249452[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2236056	20858.51000	130742	969322	17218192	347230	365098
Int RSD	*1.91537958*	*0.74554611*	*2.43426856*	*0.12907968*	*0.61396783*	*0.21074712*	*0.10253589*
Int SD	*42828.96200*	*155.50981000*	*3182.60240*	*1251.19720*	*105714*	*731.77630000*	*374.35622000*
RelInt Mean	0.12649276	0.01651263	0.00676456	---	---	---	0.37436941
RelInt RSD	*2.46101816*	*1.01200772*	*3.13490339*	---	---	---	*0.17425160*
RelInt SD	*0.00311301*	*0.00016711*	*0.00021206*	---	---	---	*0.00065234*
Conc Mean	1.02284520[mg/l]	1.04605920[mg/l]	1.00787270[mg/l]	958608	17139426	345565	0.99311002[mg/l]
Conc RSD	*2.48240428*	*1.00209376*	*3.23245664*	---	---	---	*0.17443153*
Conc SD	*0.02539115[mg/l]*	*0.01048249[mg/l]*	*0.03257905[mg/l]*	*1270.35810*	*105950*	*571.58817000*	*0.00173230[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	126752	45469.19700	453452	313977	347427	7481.20170	
Int RSD	*0.05865224*	*2.67265859*	*0.06935125*	*0.12436534*	*0.04069095*	*0.41980337*	
Int SD	*74.34288300*	*1215.23640*	*314.47472000*	*390.47891000*	*141.37147000*	*31.40633700*	
RelInt Mean	0.36541411	0.11449712	0.46429798	0.32095207	0.35312922	0.00002861	
RelInt RSD	*0.42420368*	*4.65664586*	*0.12064155*	*0.13649191*	*0.11635712*	*147.53386504*	
RelInt SD	*0.00155010*	*0.00533173*	*0.00056014*	*0.00043807*	*0.00041089*	*0.00004221*	
Conc Mean	0.98566128[mg/l]	1.07492200[mg/l]	5.24307810[mg/l]	5.35114020[mg/l]	1.05887030[mg/l]	<0.00530195[mg/l]	
Conc RSD	*0.42373916*	*4.70021527*	*0.11915395*	*0.13656030*	*0.11619056*	*28.05001312*	
Conc SD	*0.00417663[mg/l]*	*0.05052365[mg/l]*	*0.00624733[mg/l]*	*0.00730753[mg/l]*	*0.00123031[mg/l]*	*0.00148720[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 467767 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973012 File : met06_master Time : 23-AUG-2022 10:10
Cal : 482338973001 Caldate : 23-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18422473	4.95
Yttrium	A	970979	1053037	8.45
Yttrium	R	370837	372579	0.47

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICB,1			Sample Type: Control Sample
Measure Date: 2022-08-23 10:10:01	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	61698.32700	1940.33340	4885.38910	7916.17140	8866.53170	1050.75380	8286.46820
Int RSD	*0.70256156*	*3.34208353*	*0.55824913*	*0.37849600*	*0.29098106*	*3.33713454*	*0.67386154*
Int SD	*433.46873000*	*64.84756300*	*27.27264200*	*29.96239200*	*25.79992800*	*35.06506800*	*55.83932200*
RelInt Mean	0.00004376	0.00117423	-0.00009680	0.00061377	0.00016416	0.00193763	-0.00001645
RelInt RSD	*46.57624195*	*25.76822327*	*40.70443534*	*6.60842180*	*20.36660909*	*8.49724147*	*386.33266771*
RelInt SD	*0.00002038*	*0.00030258*	*0.00003940*	*0.00004056*	*0.00003343*	*0.00016464*	*0.00006354*
Conc Mean	<-0.00003767[mg/l]	<-0.01788289[mg/l]	<0.00306930[mg/l]	0.00209720[mg/l]	<-0.00009428[mg/l]	<0.02325622[mg/l]	<-0.00009583[mg/l]
Conc RSD	*1783.09108*	*234.76334423*	*41.34846842*	*17.20919099*	*113.63797592*	*35.23894359*	*332.05101900*
Conc SD	*0.00067174[mg/l]*	*0.04198248[mg/l]*	*0.00126911[mg/l]*	*0.00036091[mg/l]*	*0.00010713[mg/l]*	*0.00819525[mg/l]*	*0.00031822[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7221.96310	64023.21900	10889.24800	1369.60410	2227.52870	10226.61900	5632.37960
Int RSD	*0.48392612*	*0.39250821*	*0.41990964*	*23.32294201*	*0.73525441*	*0.38057810*	*0.24042462*
Int SD	*34.94896600*	*251.29639000*	*45.72500200*	*319.43197000*	*16.37800300*	*38.92027200*	*13.54162700*
RelInt Mean	0.00003822	0.00064761	0.00061285	0.00311503	0.00009853	0.00022693	-0.00004994
RelInt RSD	*122.52523915*	*2.05957109*	*7.42906079*	*24.93590698*	*80.94064112*	*15.29128427*	*79.57007959*
RelInt SD	*0.00004683*	*0.00001334*	*0.00004553*	*0.00077676*	*0.00007975*	*0.00003470*	*0.00003974*
Conc Mean	<0.00005164[mg/l]	<-0.00239405[mg/l]	<-0.06580691[mg/l]	<1.63527700[mg/l]	<-0.00765278[mg/l]	<-0.00002210[mg/l]	<-0.00301834[mg/l]
Conc RSD	*589.49257806*	*12.94325351*	*0.21231118*	*41.65243014*	*291.22925608*	*95.19525916*	*9.05627550*
Conc SD	*0.00030439[mg/l]*	*0.00030987[mg/l]*	*0.00013972[mg/l]*	*0.68113261[mg/l]*	*0.02228714[mg/l]*	*0.00002104[mg/l]*	*0.00027335[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	29188.41100	9013.03960	9212.38250	6289.50100	5019.95460	4697.17410	1362.06430
Int RSD	*9.35745320*	*0.38436632*	*0.75852762*	*0.39107991*	*0.27374387*	*0.23968837*	*7.54106763*
Int SD	*2731.29190*	*34.64308900*	*69.87846600*	*24.59697500*	*13.74181800*	*11.25858000*	*102.71419000*
RelInt Mean	0.05752406	0.00017750	-0.00004488	-0.00003377	0.00000615	-0.00000635	-0.00005904
RelInt RSD	*8.50181303*	*13.91270530*	*122.26269674*	*97.58340263*	*160.62224817*	*128.02867449*	*627.70647734*
RelInt SD	*0.00489059*	*0.00002469*	*0.00005487*	*0.00003295*	*0.00000988*	*0.00000812*	*0.00037061*
Conc Mean	1.43105520[mg/l]	<-0.00048278[mg/l]	<0.00161714[mg/l]	<-0.00376490[mg/l]	<-0.00161802[mg/l]	<-0.00567514[mg/l]	<0.00009597[mg/l]
Conc RSD	*14.83034547*	*37.80128454*	*89.87095549*	*29.79221663*	*18.86783997*	*2.38698862*	*287.39694976*
Conc SD	*0.21223043[mg/l]*	*0.00018250[mg/l]*	*0.00145334[mg/l]*	*0.00112165[mg/l]*	*0.00030529[mg/l]*	*0.00013546[mg/l]*	*0.00027581[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	65494.65500	4579.30830	17971.26900	1053037	18422473	372579	6209.65560
Int RSD	*0.93025437*	*0.26025865*	*0.53161300*	*0.59930253*	*1.14146146*	*0.73033760*	*0.23838462*
Int SD	*609.26689000*	*11.91804600*	*95.53760300*	*6310.87680*	*210285*	*2721.08410*	*14.80286400*
RelInt Mean	-0.00003465	-0.00008408	0.00018808	---	---	---	0.00024766
RelInt RSD	*23.89647591*	*7.06675146*	*1.23458052*	---	---	---	*6.41993233*
RelInt SD	*0.00000828*	*0.00000594*	*0.00000232*	---	---	---	*0.00001590*
Conc Mean	<-0.00917037[mg/l]	0.00498571[mg/l]	<-0.00212265[mg/l]	1042569	18342782	370821	<0.00015628[mg/l]
Conc RSD	*0.73640910*	*7.53201268*	*16.81156021*	---	---	---	*27.02900711*
Conc SD	*0.00006753[mg/l]*	*0.00037552[mg/l]*	*0.00035685[mg/l]*	*6299.99470*	*210408*	*2687.86980*	*0.00004224[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	87.38244800	6248.67490	8091.12080	5795.24870	8419.20810	7057.12300	
Int RSD	*246.41314695*	*19.32960699*	*0.66484134*	*1.06872050*	*0.25854835*	*0.42236628*	
Int SD	*215.32184000*	*1207.84430*	*53.79311600*	*61.93501100*	*21.76772400*	*29.80690800*	
RelInt Mean	-0.00080459	0.00089598	0.00031598	0.00000118	0.00010708	-0.00023299	
RelInt RSD	*17.11958892*	*38.44353566*	*25.10054836*	*5421.95029*	*31.81871632*	*26.72142101*	
RelInt SD	*0.00013774*	*0.00034445*	*0.00007931*	*0.00006378*	*0.00003407*	*0.00006226*	
Conc Mean	<-0.00108904[mg/l]	<-0.00156658[mg/l]	<-0.00259394[mg/l]	<-0.00264422[mg/l]	<-0.00019204[mg/l]	<-0.00391470[mg/l]	
Conc RSD	*34.07937196*	*208.35205457*	*34.95094716*	*40.23340833*	*55.44389416*	*56.03131426*	
Conc SD	*0.00037114[mg/l]*	*0.00326400[mg/l]*	*0.00090661[mg/l]*	*0.00106386[mg/l]*	*0.00010647[mg/l]*	*0.00219346[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 467767 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973013 File : met06_master Time : 23-AUG-2022 10:13
Cal : 482338973001 Caldate : 23-AUG-2022
Standards: S16979, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	0.005544	0.003333	mg/l	!a+

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	146.3	mg/l	91	
Aluminum	R	400.0	370.8	mg/l	93	
Calcium	R	400.0	391.6	mg/l	98	
Magnesium	R	400.0	403.3	mg/l	101	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	16549392	-5.72
Yttrium	A	970979	914571	-5.81
Yttrium	R	370837	335426	-9.55

!=warning +=high bias a=ICSA

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICSA,S16979			Sample Type: Control Sample
Measure Date: 2022-08-23 10:13:16	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	60143.56800	904923	9904.61930	10387.55000	10088.07900	2627845	9565.71170
Int RSD	*0.47385351*	*0.78821305*	*0.15631699*	*0.31798448*	*0.53989864*	*0.42176283*	*0.19170617*
Int SD	*284.99241000*	*7132.72020*	*15.48260300*	*33.03079700*	*54.46540100*	*11083.27500*	*18.33806000*
RelInt Mean	0.00002667	2.67347380	-0.00011374	0.00134066	0.00030572	7.86978050	0.00022058
RelInt RSD	*32.87017075*	*1.31148366*	*43.77276320*	*7.21446557*	*20.65244015*	*1.05373651*	*7.57730356*
RelInt SD	*0.00000877*	*0.03506217*	*0.00004979*	*0.00009672*	*0.00006314*	*0.08292675*	*0.00001671*
Conc Mean	<-0.00060077[mg/l]	>370.76040000[mg/l]	<0.00252633[mg/l]	0.00856508[mg/l]	<0.00037173[mg/l]	>391.64773000[mg/l]	0.00108583[mg/l]
Conc RSD	*48.10040118*	*1.31212279*	*63.48997954*	*10.04815423*	*54.32027613*	*1.05393416*	*7.71659232*
Conc SD	*0.00028897[mg/l]*	*4.86483170[mg/l]*	*0.00160397[mg/l]*	*0.00086063[mg/l]*	*0.00020192[mg/l]*	*4.12770920[mg/l]*	*0.00008379[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	8366.59370	65488.97600	43071426	844.90450000	485279	15225.69300	13489.72500
Int RSD	*0.88721586*	*0.67116786*	*0.97590800*	*27.33541720*	*0.45259594*	*0.48371008*	*0.49929125*
Int SD	*74.22974600*	*439.54096000*	*420337*	*230.95817000*	*2196.35220*	*73.64821200*	*67.35301600*
RelInt Mean	-0.00043029	0.00076048	47.70659200	0.00214541	1.44308830	0.00225585	-0.00040032
RelInt RSD	*17.21966337*	*2.43863244*	*0.46305903*	*21.81445356*	*0.46118185*	*4.61820245*	*23.65445548*
RelInt SD	*0.00007409*	*0.00001855*	*0.22090968*	*0.00046801*	*0.00665526*	*0.00010418*	*0.00009469*
Conc Mean	<-0.00299368[mg/l]	<0.00022810[mg/l]	>146.33074000[mg/l]	<0.78502295[mg/l]	>403.26553000[mg/l]	0.00120791[mg/l]	<-0.00542835[mg/l]
Conc RSD	*16.08770087*	*188.87997290*	*0.46327215*	*52.27754934*	*0.46121961*	*5.22868621*	*11.99877141*
Conc SD	*0.00048161[mg/l]*	*0.00043084[mg/l]*	*0.67790956[mg/l]*	*0.41039076[mg/l]*	*1.85993970[mg/l]*	*0.00006316[mg/l]*	*0.00065133[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	17703.52700	9879.31460	18692.00500	15623.50600	11306.54700	9848.78270	8997.66330
Int RSD	*8.23308655*	*0.39102388*	*0.48694803*	*0.71634587*	*0.41494942*	*0.99858126*	*10.09326755*
Int SD	*1457.54670*	*38.63047900*	*91.02035000*	*111.91834000*	*46.91645100*	*98.34809800*	*908.15823000*
RelInt Mean	0.03230885	-0.00005921	0.00288374	0.00005079	-0.00014872	0.00008021	0.02305040
RelInt RSD	*5.20120722*	*67.63607382*	*1.77675887*	*301.47420534*	*98.14468487*	*121.48374884*	*13.72569310*
RelInt SD	*0.00168045*	*0.00004005*	*0.00005124*	*0.00015312*	*0.00014597*	*0.00009744*	*0.00316383*
Conc Mean	<0.33682406[mg/l]	<-0.00223205[mg/l]	0.00554368[mg/l]	<-0.00087265[mg/l]	<-0.00640422[mg/l]	<-0.00423197[mg/l]	0.01729390[mg/l]
Conc RSD	*21.65056024*	*13.25867182*	*19.15192869*	*596.16576365*	*70.43579010*	*38.39041778*	*13.61465351*
Conc SD	*0.07292430[mg/l]*	*0.00029594[mg/l]*	*0.00106172[mg/l]*	*0.00520244[mg/l]*	*0.00451086[mg/l]*	*0.00162467[mg/l]*	*0.00235450[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	72950.88300	9776.67440	19747.13700	914571	16549392	335426	15669.68900
Int RSD	*0.16051704*	*0.19298272*	*1.31321746*	*0.50959833*	*0.41593155*	*0.63160300*	*0.38957753*
Int SD	*117.09860000*	*18.86729200*	*259.32285000*	*4660.64040*	*68834.14300*	*2118.56000*	*61.04558800*
RelInt Mean	0.00038239	-0.00037628	0.00018050	---	---	---	0.00115849
RelInt RSD	*1.40964167*	*17.52697465*	*6.09186861*	---	---	---	*0.88076995*
RelInt SD	*0.00000539*	*0.00006595*	*0.00001100*	---	---	---	*0.00001020*
Conc Mean	<-0.00576880[mg/l]	<-0.01344056[mg/l]	<-0.00328593[mg/l]	902511	16463121	333710	0.00257649[mg/l]
Conc RSD	*0.76214251*	*30.93572508*	*51.41630561*	---	---	---	*1.04421926*
Conc SD	*0.00004397[mg/l]*	*0.00415794[mg/l]*	*0.00168950[mg/l]*	*4638.32420*	*68558.56100*	*2105.98430*	*0.00002690[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	128.99007000	5675.48300	10897.63400	9176.42840	9970.99560	11491.10700	
Int RSD	*71.53506235*	*18.68817332*	*0.35152145*	*0.22105169*	*0.32748369*	*1.36624348*	
Int SD	*92.27312700*	*1060.64410*	*38.30752100*	*20.28465000*	*32.65338400*	*156.99650000*	
RelInt Mean	-0.00075259	0.00145310	0.00143989	0.00014347	-0.00015576	0.00032390	
RelInt RSD	*53.63441743*	*14.07437323*	*4.87203839*	*37.38727760*	*21.36950096*	*61.37723855*	
RelInt SD	*0.00040365*	*0.00020451*	*0.00007015*	*0.00005364*	*0.00003329*	*0.00019880*	
Conc Mean	<-0.00094892[mg/l]	<0.00371262[mg/l]	0.01022456[mg/l]	<-0.00027068[mg/l]	<-0.00098146[mg/l]	0.01570534[mg/l]	
Conc RSD	*114.61458052*	*52.19984737*	*7.80792195*	*330.55493571*	*9.85392076*	*44.59640434*	
Conc SD	*0.00108760[mg/l]*	*0.00193798[mg/l]*	*0.00079833[mg/l]*	*0.00089474[mg/l]*	*0.00009671[mg/l]*	*0.00700401[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 467767 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973014 File : met06_master Time : 23-AUG-2022 10:16
Cal : 482338973001 Caldate : 23-AUG-2022
Standards: S17065, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.041	mg/l	4	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	16574588	-5.57
Yttrium	A	970979	917293	-5.53
Yttrium	R	370837	334966	-9.67

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICSAB,S17065			Sample Type: Control Sample
Measure Date: 2022-08-23 10:16:33	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	615670	899134	9859.41760	10519.55200	150295	2618987	98760.31500
Int RSD	*1.98421027*	*0.78163364*	*0.55259254*	*1.44560434*	*0.72809394*	*0.53133622*	*0.23043571*
Int SD	*12216.18200*	*7027.93620*	*54.48240600*	*152.07110000*	*1094.28980*	*13915.62400*	*227.57903000*
RelInt Mean	0.03361856	2.65869790	-0.00016906	0.00146238	0.15507366	7.85218830	0.09856125
RelInt RSD	*2.00278787*	*1.07585326*	*23.66871459*	*7.69476890*	*0.31141085*	*1.01953857*	*0.53388617*
RelInt SD	*0.00067331*	*0.02860369*	*0.00004001*	*0.00011253*	*0.00048292*	*0.08005609*	*0.00052620*
Conc Mean	1.10650400[mg/l]	>368.71025000[mg/l]	<0.00027650[mg/l]	0.00964817[mg/l]	0.50018970[mg/l]	>390.77207000[mg/l]	0.49376486[mg/l]
Conc RSD	*2.00546469*	*1.07638168*	*465.97029548*	*10.37782753*	*0.31341743*	*1.01972892*	*0.53391191*
Conc SD	*0.02219055[mg/l]*	*3.96872960[mg/l]*	*0.00128841[mg/l]*	*0.00100127[mg/l]*	*0.00156768[mg/l]*	*3.98481580[mg/l]*	*0.00263627[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	82224.89000	459175	43304368	733.59068000	486658	764549	13553.28900
Int RSD	*0.13481966*	*2.36805176*	*0.25245195*	*20.18994843*	*0.50038870*	*0.67541423*	*1.40568050*
Int SD	*110.85532000*	*10873.49100*	*109323*	*148.11158000*	*2435.18310*	*5163.87020*	*190.51594000*
RelInt Mean	0.08102580	0.02457432	47.82821500	0.00178766	1.44906820	0.82993615	-0.00034856
RelInt RSD	*0.84600762*	*2.44576338*	*0.58708323*	*20.44810937*	*0.26258695*	*0.34178317*	*93.37152559*
RelInt SD	*0.00068548*	*0.00060103*	*0.28079143*	*0.00036554*	*0.00380506*	*0.00283658*	*0.00032546*
Conc Mean	0.52646993[mg/l]	0.55347268[mg/l]	>146.70397000[mg/l]	<0.47132106[mg/l]	>404.93674000[mg/l]	0.50297900[mg/l]	<-0.00507235[mg/l]
Conc RSD	*0.84632325*	*2.52282660*	*0.58735392*	*68.00882396*	*0.26260848*	*0.34189185*	*44.13385558*
Conc SD	*0.00445564[mg/l]*	*0.01396316[mg/l]*	*0.86167152[mg/l]*	*0.32053991[mg/l]*	*1.06339820[mg/l]*	*0.00171964[mg/l]*	*0.00223862[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	18321.94500	129045	54008.07400	15855.52100	11250.74800	9802.40370	8952.18990
Int RSD	*7.32919131*	*0.51727598*	*0.32532438*	*0.78259560*	*0.37104852*	*0.37667048*	*13.38158276*
Int SD	*1342.85040*	*667.51750000*	*175.70143000*	*124.08461000*	*41.74573400*	*36.92276100*	*1197.94470*
RelInt Mean	0.03424577	0.13139586	0.04178085	0.00026488	-0.00026568	-0.00001828	0.02294448
RelInt RSD	*4.21191893*	*0.53108090*	*1.29516928*	*64.10325256*	*43.56900720*	*310.88878918*	*16.42632996*
RelInt SD	*0.00144240*	*0.00069782*	*0.00054113*	*0.00016980*	*0.00011575*	*0.00005684*	*0.00376894*
Conc Mean	<0.42087763[mg/l]	0.96922563[mg/l]	1.04144350[mg/l]	<0.00329894[mg/l]	<-0.01001863[mg/l]	<-0.00587417[mg/l]	0.01721507[mg/l]
Conc RSD	*14.87228152*	*0.53206330*	*1.44976189*	*174.27527016*	*35.70601298*	*16.13336834*	*16.29283245*
Conc SD	*0.06259411[mg/l]*	*0.00515689[mg/l]*	*0.01509845[mg/l]*	*0.00574924[mg/l]*	*0.00357725[mg/l]*	*0.00094770[mg/l]*	*0.00280482[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	71961.35900	9879.46580	73562.20100	917293	16574588	334966	338125
Int RSD	*0.47642331*	*0.40849285*	*1.49753200*	*0.76245544*	*0.29159156*	*0.57144364*	*0.25224630*
Int SD	*342.84069000*	*40.35691100*	*1101.61750*	*6993.94660*	*48330.10000*	*1914.14070*	*852.90842000*
RelInt Mean	0.00031088	-0.00020571	0.00343900	---	---	---	0.35728795
RelInt RSD	*1.07954923*	*51.32531375*	*1.76550692*	---	---	---	*0.62693822*
RelInt SD	*0.00000336*	*0.00010558*	*0.00006072*	---	---	---	*0.00223997*
Conc Mean	<-0.00635211[mg/l]	<-0.00268479[mg/l]	0.49734934[mg/l]	905124	16487809	333336	0.94799143[mg/l]
Conc RSD	*0.43093835*	*247.80138066*	*1.87551794*	---	---	---	*0.62720766*
Conc SD	*0.00002737[mg/l]*	*0.00665296[mg/l]*	*0.00932788[mg/l]*	*7029.60210*	*47933.03100*	*1900.41570*	*0.00594587[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	59185.17900	5513.54230	10965.57100	9481.15740	334356	11576.95700	
Int RSD	*6.13505638*	*18.91706898*	*1.58716240*	*0.89705813*	*0.31640336*	*0.58378896*	
Int SD	*3631.04410*	*1043.00060*	*174.04142000*	*85.05149300*	*1057.91360*	*67.58499700*	
RelInt Mean	0.17651192	0.00123921	0.00147825	0.00038720	0.35771894	0.00032061	
RelInt RSD	*6.72340825*	*16.38743021*	*10.93738229*	*33.52404972*	*0.46428934*	*46.22152305*	
RelInt SD	*0.01186762*	*0.00020307*	*0.00016168*	*0.00012981*	*0.00166085*	*0.00014819*	
Conc Mean	0.47667772[mg/l]	<0.00168583[mg/l]	0.01065219[mg/l]	<0.00379504[mg/l]	1.07653690[mg/l]	0.01558920[mg/l]	
Conc RSD	*6.70818871*	*114.14830049*	*16.86367251*	*57.05554798*	*0.46435263*	*33.49019366*	
Conc SD	*0.03197644[mg/l]*	*0.00192434[mg/l]*	*0.00179635[mg/l]*	*0.00216528[mg/l]*	*0.00499893[mg/l]*	*0.00522085[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 467767 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973037 File : met06_master Time : 23-AUG-2022 11:54
Cal : 482338973001 Caldate : 23-AUG-2022
Standards: S17024, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0347	0.0398	1.000	1.061	mg/l	6	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18025237	2.69
Yttrium	A	970979	1029511	6.03
Yttrium	R	370837	364589	-1.68

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S17024			Sample Type: Control Sample
Measure Date: 2022-08-23 11:54:01	Recalculation Date:	State: Check failed	Quality: Failed

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	367817	6943.91090	39181.96700	125087	329606	765552	213265
Int RSD	*1.29825013*	*7.69139031*	*0.80849371*	*0.20700400*	*0.22775510*	*0.15048973*	*0.39807735*
Int SD	*4775.18950*	*534.08329000*	*316.78374000*	*258.93563000*	*750.69435000*	*1152.07710*	*848.96074000*
RelInt Mean	0.01687569	0.00846904	0.03293893	0.11476794	0.31418229	2.10741680	0.20021171
RelInt RSD	*1.49348199*	*8.35543327*	*0.70338360*	*0.19629720*	*0.18682389*	*0.03987193*	*0.35264988*
RelInt SD	*0.00025204*	*0.00070763*	*0.00023169*	*0.00022529*	*0.00058697*	*0.00084027*	*0.00070605*
Conc Mean	0.55470096[mg/l]	0.99426292[mg/l]	1.06640860[mg/l]	1.01784700[mg/l]	1.01015400[mg/l]	104.82418000[mg/l]	1.00122550[mg/l]
Conc RSD	*1.49746775*	*9.87486549*	*0.69985921*	*0.19694877*	*0.18672107*	*0.03989955*	*0.35361267*
Conc SD	*0.00830647[mg/l]*	*0.09818213[mg/l]*	*0.00746336[mg/l]*	*0.00200464[mg/l]*	*0.00188617[mg/l]*	*0.04182438[mg/l]*	*0.00354046[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	165891	867882	361714	44257.55900	129557	1709467	162555
Int RSD	*0.30008088*	*1.88312442*	*0.20010578*	*11.95257154*	*0.98097127*	*0.43594940*	*0.26698329*
Int SD	*497.80816000*	*16343.30500*	*723.80981000*	*5289.91640*	*1270.91920*	*7452.40900*	*433.99440000*
RelInt Mean	0.15476904	0.04516792	0.34398694	0.12130869	0.35005868	1.66833020	0.15333635
RelInt RSD	*0.21940455*	*1.86886696*	*0.38226852*	*11.95828180*	*1.10179633*	*0.54680719*	*0.26712720*
RelInt SD	*0.00033957*	*0.00084413*	*0.00131495*	*0.01450644*	*0.00385693*	*0.00912255*	*0.00040960*
Conc Mean	1.00580010[mg/l]	1.03190450[mg/l]	0.98791388[mg/l]	105.27774000[mg/l]	97.79591600[mg/l]	1.01124520[mg/l]	1.05203490[mg/l]
Conc RSD	*0.21944694*	*1.90044951*	*0.40845902*	*12.08280117*	*1.10219357*	*0.54689223*	*0.26780957*
Conc SD	*0.00220720[mg/l]*	*0.01961082[mg/l]*	*0.00403522[mg/l]*	*12.72050000[mg/l]*	*1.07790030[mg/l]*	*0.00553042[mg/l]*	*0.00281745[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	853066	150013	50870.61300	37881.27200	38285.37300	322188	483250
Int RSD	*0.26708341*	*0.28567154*	*0.21737580*	*0.46343145*	*0.65166222*	*0.25088479*	*0.34431827*
Int SD	*2278.39820*	*428.54396000*	*110.58040000*	*175.55373000*	*249.49131000*	*808.32113000*	*1663.91750*
RelInt Mean	2.32466660	0.13748233	0.03975592	0.03023240	0.03202989	0.31130263	1.32734160
RelInt RSD	*0.14311675*	*0.35886878*	*0.35260761*	*0.49491367*	*0.46647148*	*0.16525256*	*0.21754421*
RelInt SD	*0.00332699*	*0.00049338*	*0.00014018*	*0.00014962*	*0.00014941*	*0.00051444*	*0.00288755*
Conc Mean	99.81526100[mg/l]	1.01420490[mg/l]	1.06096260[mg/l]	1.01917550[mg/l]	0.98803273[mg/l]	5.18509580[mg/l]	0.98794098[mg/l]
Conc RSD	*0.14464381*	*0.35950616*	*0.35353231*	*0.49785927*	*0.46732440*	*0.16543069*	*0.21751599*
Conc SD	*0.14437660[mg/l]*	*0.00364613[mg/l]*	*0.00375085[mg/l]*	*0.00507406[mg/l]*	*0.00461732[mg/l]*	*0.00857774[mg/l]*	*0.00214893[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2384185	22280.02100	140926	1029511	18025237	364589	400676
Int RSD	*1.21776540*	*0.57434946*	*1.67608099*	*0.39435064*	*0.72047746*	*0.14253034*	*0.40528541*
Int SD	*29033.77400*	*127.96518000*	*2362.02970*	*4059.88200*	*129868*	*519.65001000*	*1623.87980*
RelInt Mean	0.12877263	0.01651695	0.00694379	---	---	---	0.38698367
RelInt RSD	*1.05779908*	*0.48883863*	*1.83702238*	---	---	---	*0.31545776*
RelInt SD	*0.00136216*	*0.00008074*	*0.00012756*	---	---	---	*0.00122077*
Conc Mean	1.04144090[mg/l]	1.04628510[mg/l]	1.03540960[mg/l]	1017827	17940773	363022	1.02660480[mg/l]
Conc RSD	*1.06682847*	*0.48431255*	*1.89283265*	---	---	---	*0.31566606*
Conc SD	*0.01111039[mg/l]*	*0.00506729[mg/l]*	*0.01959857[mg/l]*	*4154.32350*	*129762*	*516.14314000*	*0.00324064[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	128310	41970.55200	477656	338236	365041	8440.96730	
Int RSD	*0.53680883*	*8.63061081*	*0.23064163*	*0.10810732*	*0.11932947*	*0.35798760*	
Int SD	*688.77716000*	*3622.31500*	*1101.67370*	*365.65751000*	*435.60191000*	*30.21761600*	
RelInt Mean	0.35228824	0.09947212	0.46034554	0.32572588	0.34911222	0.00044381	
RelInt RSD	*0.39344509*	*7.60918980*	*0.33791276*	*0.38770837*	*0.32075935*	*7.53639651*	
RelInt SD	*0.00138606*	*0.00756902*	*0.00155557*	*0.00126287*	*0.00111981*	*0.00003345*	
Conc Mean	0.95029456[mg/l]	0.93254448[mg/l]	5.19819780[mg/l]	5.43077230[mg/l]	1.04674460[mg/l]	0.01992967[mg/l]	
Conc RSD	*0.39299889*	*7.69124986*	*0.33865150*	*0.38789697*	*0.32315851*	*5.91265485*	
Conc SD	*0.00373465[mg/l]*	*0.07172433[mg/l]*	*0.01760377[mg/l]*	*0.02106580[mg/l]*	*0.00338264[mg/l]*	*0.00117837[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 467767 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973038 File : met06_master Time : 23-AUG-2022 11:57
Cal : 482338973001 Caldate : 23-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18876763	7.54
Yttrium	A	970979	1103800	13.68
Yttrium	R	370837	387282	4.43

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2022-08-23 11:57:15	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	67005.57700	1867.11420	5340.92610	9411.53080	9654.47180	1013.73690	9048.07590
Int RSD	*0.59715738*	*11.46140606*	*0.78869562*	*0.07934495*	*0.64633024*	*14.11639647*	*0.80682558*
Int SD	*400.12875000*	*213.99754000*	*42.12365000*	*7.46757430*	*62.39977100*	*143.10312000*	*73.00219100*
RelInt Mean	0.00004687	0.00080359	-0.00003828	0.00130736	0.00017733	0.00191978	-0.00001543
RelInt RSD	*9.30009251*	*14.09139703*	*119.62961428*	*2.66370933*	*41.51596699*	*18.56035225*	*405.49218348*
RelInt SD	*0.00000436*	*0.00011324*	*0.00004579*	*0.00003482*	*0.00007362*	*0.00035632*	*0.00006257*
Conc Mean	<0.00006484[mg/l]	<-0.06930901[mg/l]	0.00495450[mg/l]	0.00826878[mg/l]	<-0.00006353[mg/l]	<0.02236811[mg/l]	<-0.00009079[mg/l]
Conc RSD	*221.56948173*	*22.66881961*	*29.77388060*	*3.74745292*	*371.19592876*	*79.29091538*	*345.31767979*
Conc SD	*0.00014366[mg/l]*	*0.01571153[mg/l]*	*0.00147515[mg/l]*	*0.00030987[mg/l]*	*0.00023582[mg/l]*	*0.01773588[mg/l]*	*0.00031352[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7881.23680	70672.89700	11340.39100	891.60662000	2153.21670	10998.19500	6659.77740
Int RSD	*0.43992277*	*0.67287039*	*1.10936395*	*24.81045284*	*3.95332811*	*0.43569269*	*1.25860082*
Int SD	*34.67135500*	*475.53700000*	*125.80621000*	*221.21164000*	*85.12372100*	*47.91833200*	*83.82001300*
RelInt Mean	0.00004350	0.00074908	0.00018692	0.00181275	-0.00003305	0.00013077	0.00041813
RelInt RSD	*45.19484381*	*0.69844513*	*57.38112108*	*19.42067865*	*969.97309330*	*57.74013464*	*19.13742445*
RelInt SD	*0.00001966*	*0.00000523*	*0.00010726*	*0.00035205*	*0.00032062*	*0.00007550*	*0.00008002*
Conc Mean	<0.00008593[mg/l]	<-0.00003671[mg/l]	<-0.06711396[mg/l]	<0.49332091[mg/l]	<-0.04442574[mg/l]	<-0.00008040[mg/l]	<0.00020123[mg/l]
Conc RSD	*148.70348463*	*331.10627683*	*0.49042989*	*62.57724612*	*201.69394594*	*56.93233409*	*273.51882885*
Conc SD	*0.00012777[mg/l]*	*0.00012155[mg/l]*	*0.00032915[mg/l]*	*0.30870664[mg/l]*	*0.08960403[mg/l]*	*0.00004577[mg/l]*	*0.00055040[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	18285.20200	9832.06420	10028.67900	6913.08190	5506.63340	5045.46740	1291.37010
Int RSD	*7.34562954*	*0.10353918*	*0.36779753*	*0.74510123*	*0.37947053*	*1.09165890*	*12.87969731*
Int SD	*1343.16320*	*10.18003900*	*36.88523400*	*51.50945800*	*20.89605100*	*55.07929400*	*166.32456000*
RelInt Mean	0.02662797	0.00017821	-0.00005209	0.00001790	0.00000400	-0.00004400	-0.00027598
RelInt RSD	*3.39340362*	*12.06879632*	*56.64310449*	*315.93714502*	*1211.70868*	*195.61875939*	*36.45478653*
RelInt SD	*0.00090359*	*0.00002151*	*0.00002951*	*0.00005657*	*0.00004846*	*0.00008608*	*0.00010061*
Conc Mean	<0.09029831[mg/l]	<-0.00047754[mg/l]	<0.00143544[mg/l]	<-0.00200861[mg/l]	<-0.00168450[mg/l]	<-0.00630305[mg/l]	<-0.00006548[mg/l]
Conc RSD	*43.42509193*	*33.28293868*	*54.91302298*	*95.75681859*	*88.89874016*	*22.77129171*	*114.34775617*
Conc SD	*0.03921213[mg/l]*	*0.00015894[mg/l]*	*0.00078824[mg/l]*	*0.00192338[mg/l]*	*0.00149750[mg/l]*	*0.00143528[mg/l]*	*0.00007487[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	71208.73200	4987.79090	19337.18500	1103800	18876763	387282	6702.97610
Int RSD	*0.68971610*	*0.83735575*	*1.18165602*	*0.31101589*	*0.39105066*	*0.17781868*	*0.56522717*
Int SD	*491.13809000*	*41.76555400*	*228.49901000*	*3432.99280*	*73817.70700*	*688.65950000*	*37.88704200*
RelInt Mean	-0.00003128	-0.00008055	0.00017994	---	---	---	0.00021493
RelInt RSD	*10.11356211*	*61.51461568*	*0.72815494*	---	---	---	*11.50852758*
RelInt SD	*0.00000316*	*0.00004955*	*0.00000131*	---	---	---	*0.00002474*
Conc Mean	<-0.00914292[mg/l]	0.00519965[mg/l]	<-0.00337343[mg/l]	1092435	18791412	385560	<0.00006937[mg/l]
Conc RSD	*0.28223239*	*60.09706350*	*5.96289721*	---	---	---	*94.61438192*
Conc SD	*0.00002580[mg/l]*	*0.00312484[mg/l]*	*0.00020115[mg/l]*	*3438.18480*	*73880.89200*	*619.70830000*	*0.00006563[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	126.71520000	6047.72840	8917.06860	6354.35430	9164.52910	7874.25270	
Int RSD	*37.29925534*	*16.23106008*	*0.54970627*	*0.47843245*	*0.99545443*	*0.53827519*	
Int SD	*47.26382600*	*981.61043000*	*49.01768500*	*30.40129300*	*91.22871100*	*42.38514900*	
RelInt Mean	-0.00053464	0.00021172	0.00038947	0.00011387	0.00008611	0.00006749	
RelInt RSD	*55.46357943*	*107.75688278*	*19.44357733*	*37.93400582*	*95.91383493*	*84.05101090*	
RelInt SD	*0.00029653*	*0.00022815*	*0.00007573*	*0.00004320*	*0.00008259*	*0.00005672*	
Conc Mean	<-0.00036167[mg/l]	<-0.00805066[mg/l]	<-0.00183176[mg/l]	<-0.00076438[mg/l]	<-0.00026205[mg/l]	0.00667150[mg/l]	
Conc RSD	*220.91221871*	*26.85403856*	*46.48745144*	*94.26442726*	*94.01532091*	*29.95405231*	
Conc SD	*0.00079898[mg/l]*	*0.00216193[mg/l]*	*0.00085154[mg/l]*	*0.00072054[mg/l]*	*0.00024637[mg/l]*	*0.00199838[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 467767 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973049 File : met06_master Time : 23-AUG-2022 12:33
Cal : 482338973001 Caldate : 23-AUG-2022
Standards: S17024, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0347	0.0398	1.000	1.063	mg/l	6	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18145562	3.38
Yttrium	A	970979	1051773	8.32
Yttrium	R	370837	362084	-2.36

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S17024			Sample Type: Control Sample
Measure Date: 2022-08-23 12:33:10	Recalculation Date:	State: Check failed	Quality: Failed

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	375017	7377.95980	40163.63400	127669	337349	768582	219258
Int RSD	*1.30556511*	*1.29869059*	*0.23806359*	*0.34965981*	*0.34033137*	*0.66573037*	*0.46508630*
Int SD	*4896.08770*	*95.81687000*	*95.61498900*	*446.40862000*	*1148.10300*	*5116.68230*	*1019.73860*
RelInt Mean	0.01707448	0.00917817	0.03306034	0.11459622	0.31477950	2.13103920	0.20148861
RelInt RSD	*1.19198664*	*2.69838526*	*0.11412530*	*0.39974012*	*0.18563793*	*0.22784547*	*0.34140209*
RelInt SD	*0.00020353*	*0.00024766*	*0.00003773*	*0.00045809*	*0.00058435*	*0.00485548*	*0.00068789*
Conc Mean	0.56125248[mg/l]	1.09265290[mg/l]	1.07031550[mg/l]	1.01631910[mg/l]	1.01207350[mg/l]	105.99999000[mg/l]	1.00760440[mg/l]
Conc RSD	*1.19513188*	*3.14489945*	*0.11354230*	*0.40106341*	*0.18701508*	*0.22800181*	*0.34411583*
Conc SD	*0.00670771[mg/l]*	*0.03436284[mg/l]*	*0.00121526[mg/l]*	*0.00407608[mg/l]*	*0.00189273[mg/l]*	*0.24168190[mg/l]*	*0.00346733[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	170312	877967	368837	47552.11100	128779	1734345	166448
Int RSD	*0.19787468*	*1.83737223*	*0.40333860*	*1.70729850*	*0.95641899*	*0.35952088*	*0.19171500*
Int SD	*337.00360000*	*16131.53100*	*1487.66370*	*811.85648000*	*1231.66480*	*6235.33060*	*319.10561000*
RelInt Mean	0.15554396	0.04535933	0.34330704	0.13138328	0.34986167	1.65667010	0.15370254
RelInt RSD	*0.03945331*	*1.65843394*	*0.24826590*	*2.44835994*	*0.15970869*	*0.46616900*	*0.35317097*
RelInt SD	*0.00006137*	*0.00075225*	*0.00085231*	*0.00321674*	*0.00055876*	*0.00772288*	*0.00054283*
Conc Mean	1.01083710[mg/l]	1.03635120[mg/l]	0.98582745[mg/l]	114.11202000[mg/l]	97.74085700[mg/l]	1.00417640[mg/l]	1.05455370[mg/l]
Conc RSD	*0.03945759*	*1.68634069*	*0.26531313*	*2.47188412*	*0.15976698*	*0.46624457*	*0.35406558*
Conc SD	*0.00039885[mg/l]*	*0.01747641[mg/l]*	*0.00261553[mg/l]*	*2.82071690[mg/l]*	*0.15615762[mg/l]*	*0.00468192[mg/l]*	*0.00373381[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	853179	154727	52098.92200	38956.97400	38979.62500	330053	482921
Int RSD	*0.63620470*	*0.44817995*	*0.24953044*	*0.63567137*	*0.41303019*	*0.19695340*	*0.65183681*
Int SD	*5427.96190*	*693.45328000*	*130.00267000*	*247.63833000*	*160.99762000*	*650.05058000*	*3147.85670*
RelInt Mean	2.33987050	0.13891372	0.03984342	0.03044149	0.03188431	0.31218496	1.33579030
RelInt RSD	*0.21250976*	*0.31538055*	*0.26986654*	*0.90770536*	*0.50537042*	*0.12124671*	*0.19564393*
RelInt SD	*0.00497245*	*0.00043811*	*0.00010752*	*0.00027632*	*0.00016113*	*0.00037851*	*0.00261339*
Conc Mean	100.47504000[mg/l]	1.02478290[mg/l]	1.06327250[mg/l]	1.02625330[mg/l]	0.98353397[mg/l]	5.19980780[mg/l]	0.99422846[mg/l]
Conc RSD	*0.21476042*	*0.31593230*	*0.26910103*	*0.91547921*	*0.50629988*	*0.12137566*	*0.19561444*
Conc SD	*0.21578062[mg/l]*	*0.00323762[mg/l]*	*0.00286128[mg/l]*	*0.00939514[mg/l]*	*0.00497963[mg/l]*	*0.00631130[mg/l]*	*0.00194485[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2425088	22587.59700	143406	1051773	18145562	362084	415116
Int RSD	*1.49974642*	*0.22227853*	*1.51316250*	*0.16737688*	*0.71346520*	*0.80661395*	*0.42021243*
Int SD	*36370.16900*	*50.20737800*	*2169.95870*	*1760.42430*	*129462*	*2920.62120*	*1744.36980*
RelInt Mean	0.13007730	0.01636535	0.00700524	---	---	---	0.39255020
RelInt RSD	*1.24625711*	*0.46109985*	*1.26678236*	---	---	---	*0.27320192*
RelInt SD	*0.00162110*	*0.00007546*	*0.00008874*	---	---	---	*0.00107245*
Conc Mean	1.05208240[mg/l]	1.03669270[mg/l]	1.04484910[mg/l]	1039754	18058606	360431	1.04138390[mg/l]
Conc RSD	*1.25678055*	*0.45614246*	*1.30487560*	---	---	---	*0.27346033*
Conc SD	*0.01322237[mg/l]*	*0.00472880[mg/l]*	*0.01363398[mg/l]*	*1786.01620*	*129489*	*2903.82740*	*0.00284777[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	127412	43751.80500	489293	348773	372391	8640.35760	
Int RSD	*1.18523682*	*0.88775265*	*0.20279780*	*0.22954808*	*0.18784939*	*0.58470858*	
Int SD	*1510.13560*	*388.40781000*	*992.27646000*	*800.60196000*	*699.53406000*	*50.52091200*	
RelInt Mean	0.35258338	0.10343229	0.46164751	0.32885955	0.34857278	0.00051109	
RelInt RSD	*0.43403064*	*1.71991967*	*0.09046271*	*0.18391631*	*0.09634543*	*15.60035248*	
RelInt SD	*0.00153032*	*0.00177895*	*0.00041762*	*0.00060483*	*0.00033583*	*0.00007973*	
Conc Mean	0.95108978[mg/l]	0.97007121[mg/l]	5.21292740[mg/l]	5.48304510[mg/l]	1.04510620[mg/l]	0.02230013[mg/l]	
Conc RSD	*0.43353791*	*1.73774964*	*0.09015550*	*0.18400562*	*0.09636585*	*12.59648666*	
Conc SD	*0.00412333[mg/l]*	*0.01685741[mg/l]*	*0.00469974[mg/l]*	*0.01008911[mg/l]*	*0.00100713[mg/l]*	*0.00280903[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 467767 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973050 File : met06_master Time : 23-AUG-2022 12:36
Cal : 482338973001 Caldate : 23-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18998581	8.23
Yttrium	A	970979	1122614	15.62
Yttrium	R	370837	388787	4.84

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2022-08-23 12:36:24	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	68907.79600	1994.41880	5420.73580	9776.03510	9893.10890	1007.93570	9287.64300
Int RSD	*0.16869406*	*10.85230544*	*0.15091104*	*0.14121055*	*0.18251505*	*8.62036219*	*0.07230142*
Int SD	*116.24336000*	*216.44042000*	*8.18048890*	*13.80479300*	*18.05641300*	*86.88770800*	*6.71509790*
RelInt Mean	0.00005229	0.00104360	-0.00008377	0.00143319	0.00012770	0.00179983	-0.00000906
RelInt RSD	*44.76454863*	*24.09322756*	*38.38195926*	*1.94268497*	*8.65130064*	*27.15829624*	*474.15280206*
RelInt SD	*0.00002341*	*0.00025144*	*0.00003215*	*0.00002784*	*0.00001105*	*0.00048880*	*0.00004298*
Conc Mean	<0.00024352[mg/l]	<-0.03600856[mg/l]	0.00348898[mg/l]	0.00938843[mg/l]	<-0.00022436[mg/l]	<0.01639728[mg/l]	<-0.00005886[mg/l]
Conc RSD	*316.80467541*	*96.88381015*	*29.68275453*	*2.63881428*	*16.04891881*	*148.38017332*	*365.51348328*
Conc SD	*0.00077149[mg/l]*	*0.03488646[mg/l]*	*0.00103563[mg/l]*	*0.00024774[mg/l]*	*0.00003601[mg/l]*	*0.02433031[mg/l]*	*0.00021514[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	8118.12230	72683.24800	11751.94900	863.83154000	2365.30190	11299.85900	6828.15130
Int RSD	*0.51414119*	*0.09413668*	*0.60467886*	*25.93054428*	*13.63851228*	*0.08617719*	*0.72917311*
Int SD	*41.73861100*	*68.42159900*	*71.06155100*	*223.99622000*	*322.59199000*	*9.73790070*	*49.78904300*
RelInt Mean	0.00006265	0.00076709	0.00019854	0.00176820	0.00042034	0.00009656	0.00044020
RelInt RSD	*41.28923296*	*1.69289582*	*23.99771790*	*24.22238014*	*118.62976041*	*47.36208042*	*8.15184070*
RelInt SD	*0.00002587*	*0.00001299*	*0.00004764*	*0.00042830*	*0.00049865*	*0.00004573*	*0.00003588*
Conc Mean	<0.00021044[mg/l]	<0.00038175[mg/l]	<-0.06707832[mg/l]	<0.45425694[mg/l]	<0.08228469[mg/l]	<-0.00010114[mg/l]	<0.00035307[mg/l]
Conc RSD	*79.90043322*	*79.02939854*	*0.21796510*	*82.67814026*	*169.36020129*	*27.41326371*	*69.90878239*
Conc SD	*0.00016815[mg/l]*	*0.00030169[mg/l]*	*0.00014621[mg/l]*	*0.37557119[mg/l]*	*0.13935752[mg/l]*	*0.00002772[mg/l]*	*0.00024683[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	19356.65600	10067.95800	10254.46300	7065.63580	5650.88210	5190.95280	1405.61520
Int RSD	*8.61375953*	*0.58828974*	*0.21294260*	*0.02017879*	*0.53641057*	*0.62971360*	*20.73346034*
Int SD	*1667.33580*	*59.22876400*	*21.83612000*	*1.42575960*	*30.31192900*	*32.68813600*	*291.43267000*
RelInt Mean	0.02902227	0.00016132	-0.00008356	0.00001193	0.00003051	-0.00002404	-0.00010035
RelInt RSD	*5.50272043*	*17.38490884*	*71.22781971*	*51.71697769*	*44.88601880*	*180.63365090*	*396.30464342*
RelInt SD	*0.00159701*	*0.00002805*	*0.00005951*	*0.00000617*	*0.00001370*	*0.00004342*	*0.00039769*
Conc Mean	<0.19420065[mg/l]	<-0.00060235[mg/l]	<0.00059116[mg/l]	<-0.00221227[mg/l]	<-0.00086512[mg/l]	<-0.00597011[mg/l]	<0.00006523[mg/l]
Conc RSD	*35.68657159*	*34.40753893*	*267.36832440*	*9.49355172*	*48.92533853*	*12.12607407*	*453.73571565*
Conc SD	*0.06930355[mg/l]*	*0.00020725[mg/l]*	*0.00158057[mg/l]*	*0.00021002[mg/l]*	*0.00042326[mg/l]*	*0.00072394[mg/l]*	*0.00029596[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	73125.44700	5087.90590	19650.28000	1122614	18998581	388787	6893.24250
Int RSD	*0.42847815*	*0.51400465*	*0.42727087*	*0.10312139*	*1.17051226*	*0.50480967*	*0.09225186*
Int SD	*313.32656000*	*26.15207300*	*83.95992200*	*1157.65480*	*222381*	*1962.63260*	*6.35914470*
RelInt Mean	-0.00003383	-0.00008080	0.00017288	---	---	---	0.00022993
RelInt RSD	*62.69231646*	*21.22532090*	*2.91430305*	---	---	---	*1.37129531*
RelInt SD	*0.00002121*	*0.00001715*	*0.00000504*	---	---	---	*0.00000315*
Conc Mean	<-0.00916371[mg/l]	0.00518351[mg/l]	<-0.00445926[mg/l]	1110881	18911367	387007	<0.00010913[mg/l]
Conc RSD	*1.88778696*	*20.84347889*	*17.35816214*	---	---	---	*7.74977912*
Conc SD	*0.00017299[mg/l]*	*0.00108042[mg/l]*	*0.00077404[mg/l]*	*1203.21740*	*222142*	*2086.37550*	*0.00000846[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	167.58515000	6325.44590	9114.23780	6415.63440	9401.98640	7998.31530	
Int RSD	*48.10955863*	*17.31793643*	*0.45454661*	*1.59121022*	*0.35374002*	*1.28556397*	
Int SD	*80.62447600*	*1095.43670*	*41.42845900*	*102.08623000*	*33.25858900*	*102.82346000*	
RelInt Mean	-0.00043179	0.00057685	0.00037734	0.00004628	0.00009252	0.00005245	
RelInt RSD	*41.79522606*	*43.56509133*	*16.43677533*	*214.51917175*	*60.02080655*	*164.17215600*	
RelInt SD	*0.00018047*	*0.00025130*	*0.00006202*	*0.00009928*	*0.00005553*	*0.00008612*	
Conc Mean	<-0.00008454[mg/l]	<-0.00459073[mg/l]	<-0.00197297[mg/l]	<-0.00189181[mg/l]	<-0.00023742[mg/l]	<0.00614193[mg/l]	
Conc RSD	*575.19625226*	*51.87347143*	*35.43947484*	*87.54396451*	*70.96440535*	*49.39706049*	
Conc SD	*0.00048625[mg/l]*	*0.00238137[mg/l]*	*0.00069921[mg/l]*	*0.00165617[mg/l]*	*0.00016848[mg/l]*	*0.00303394[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 467767 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973054 File : met06_master Time : 23-AUG-2022 12:49
Cal : 482338973001 Caldate : 23-AUG-2022
Standards: S17024, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0347	0.0402	1.000	1.072	mg/l	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18253856	3.99
Yttrium	A	970979	1053095	8.46
Yttrium	R	370837	365141	-1.54

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S17024			Sample Type: Control Sample
Measure Date: 2022-08-23 12:49:28	Recalculation Date:	State: Check failed	Quality: Failed

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	377478	6979.73580	40172.51900	126779	337133	766107	219903
Int RSD	*1.34108121*	*7.88449729*	*0.28334581*	*0.38087935*	*0.06821384*	*0.53010549*	*0.22251961*
Int SD	*5062.29230*	*550.31708000*	*113.82715000*	*482.87613000*	*229.97119000*	*4061.17530*	*489.32681000*
RelInt Mean	0.01711843	0.00838598	0.03306712	0.11367365	0.31416937	2.10564960	0.20191469
RelInt RSD	*1.58347796*	*8.45949867*	*0.25302879*	*0.32607018*	*0.11719992*	*0.17233394*	*0.31536100*
RelInt SD	*0.00027107*	*0.00070941*	*0.00008367*	*0.00037066*	*0.00036821*	*0.00362875*	*0.00063676*
Conc Mean	0.56270092[mg/l]	0.98273823[mg/l]	1.07053640[mg/l]	1.00811000[mg/l]	1.01012360[mg/l]	104.73621000[mg/l]	1.00974950[mg/l]
Conc RSD	*1.58764158*	*10.01589671*	*0.25194878*	*0.32715392*	*0.11763105*	*0.17245782*	*0.31665368*
Conc SD	*0.00893367[mg/l]*	*0.09843005[mg/l]*	*0.00269720[mg/l]*	*0.00329807[mg/l]*	*0.00118822[mg/l]*	*0.18062578[mg/l]*	*0.00319741[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	169995	882386	367007	44060.86400	130543	1736878	165793
Int RSD	*0.48941808*	*1.82482672*	*0.11460256*	*12.74854029*	*0.94911036*	*0.30867634*	*0.40312416*
Int SD	*831.98396000*	*16102.02100*	*420.59910000*	*5617.11700*	*1239.00160*	*5361.33080*	*668.34971000*
RelInt Mean	0.15508864	0.04532443	0.34114139	0.12065303	0.35228324	1.65686810	0.15288641
RelInt RSD	*0.42111041*	*1.86004412*	*0.10175746*	*12.69768525*	*0.94361290*	*0.28571988*	*0.45754957*
RelInt SD	*0.00065309*	*0.00084305*	*0.00034714*	*0.01532014*	*0.00332419*	*0.00473400*	*0.00069953*
Conc Mean	1.00787760[mg/l]	1.03554050[mg/l]	0.97918166[mg/l]	104.70280000[mg/l]	98.41761300[mg/l]	1.00429640[mg/l]	1.04894000[mg/l]
Conc RSD	*0.42119394*	*1.89136794*	*0.10879281*	*12.83063395*	*0.94395092*	*0.28576615*	*0.45871659*
Conc SD	*0.00424512[mg/l]*	*0.01958588[mg/l]*	*0.00106528[mg/l]*	*13.43403300[mg/l]*	*0.92901396[mg/l]*	*0.00286994[mg/l]*	*0.00481166[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	855272	155331	52416.44800	39248.64100	39061.63000	328648	483930
Int RSD	*0.67689149*	*0.01868838*	*0.47350379*	*0.47891388*	*0.09899088*	*0.18585524*	*0.58426831*
Int SD	*5789.26660*	*29.02887600*	*248.19387000*	*187.96719000*	*38.66745000*	*610.80921000*	*2827.44900*
RelInt Mean	2.32712700	0.13934089	0.04017179	0.03074010	0.03197344	0.31045872	1.32721160
RelInt RSD	*0.30675065*	*0.12623974*	*0.59824057*	*0.64923665*	*0.26574008*	*0.28223977*	*0.28952212*
RelInt SD	*0.00713848*	*0.00017590*	*0.00024032*	*0.00019958*	*0.00008497*	*0.00087624*	*0.00384257*
Conc Mean	99.92202900[mg/l]	1.02793970[mg/l]	1.07203610[mg/l]	1.03642160[mg/l]	0.98628837[mg/l]	5.17102430[mg/l]	0.98784425[mg/l]
Conc RSD	*0.31001685*	*0.12646266*	*0.59786638*	*0.65679854*	*0.26622868*	*0.28254439*	*0.28947807*
Conc SD	*0.30977513[mg/l]*	*0.00129996[mg/l]*	*0.00640934[mg/l]*	*0.00680720[mg/l]*	*0.00262578[mg/l]*	*0.01461044[mg/l]*	*0.00285959[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2425448	22552.65600	143927	1053095	18253856	365141	414745
Int RSD	*1.87368692*	*0.61356028*	*1.57943991*	*0.10439758*	*0.18636054*	*0.42274824*	*0.04134305*
Int SD	*45445.30000*	*138.37414000*	*2273.23890*	*1099.40590*	*34017.98500*	*1543.62850*	*171.46804000*
RelInt Mean	0.12932890	0.01635274	0.00700879	---	---	---	0.39172757
RelInt RSD	*1.81445593*	*1.05339032*	*1.60797366*	---	---	---	*0.11080055*
RelInt SD	*0.00234662*	*0.00017226*	*0.00011270*	---	---	---	*0.00043404*
Conc Mean	1.04597810[mg/l]	1.03592800[mg/l]	1.04539780[mg/l]	1041192	18167329	363568	1.03920090[mg/l]
Conc RSD	*1.82987139*	*1.04363016*	*1.65614745*	---	---	---	*0.11110218*
Conc SD	*0.01914005[mg/l]*	*0.01081126[mg/l]*	*0.01731333[mg/l]*	*1039.43600*	*33948.70000*	*1582.69160*	*0.00115457[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	126430	41849.16000	490515	348957	373823	8533.18240	
Int RSD	*0.93468436*	*8.70227001*	*0.07688749*	*0.20401897*	*0.22293518*	*0.15053930*	
Int SD	*1181.72330*	*3641.82690*	*377.14481000*	*711.93751000*	*833.38375000*	*12.84579300*	
RelInt Mean	0.34666942	0.09897479	0.46223419	0.32861088	0.34954968	0.00048036	
RelInt RSD	*0.81264606*	*7.49041044*	*0.17780775*	*0.12301549*	*0.13531731*	*7.18783759*	
RelInt SD	*0.00281720*	*0.00741362*	*0.00082189*	*0.00040424*	*0.00047300*	*0.00003453*	
Conc Mean	0.93515505[mg/l]	0.92783185[mg/l]	5.21971670[mg/l]	5.47889690[mg/l]	1.04804670[mg/l]	0.02121735[mg/l]	
Conc RSD	*0.81170775*	*7.57159953*	*0.17712731*	*0.12307522*	*0.13508262*	*5.73318002*	
Conc SD	*0.00759073[mg/l]*	*0.07025171[mg/l]*	*0.00924554[mg/l]*	*0.00674316[mg/l]*	*0.00141573[mg/l]*	*0.00121643[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 467767 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973055 File : met06_master Time : 23-AUG-2022 12:52
Cal : 482338973001 Caldate : 23-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18954175	7.98
Yttrium	A	970979	1114347	14.77
Yttrium	R	370837	379515	2.34

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2022-08-23 12:52:42	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	68127.46000	2053.95090	5348.80800	9126.32080	9750.01050	1020.33760	9182.22620
Int RSD	*0.15683638*	*8.34257820*	*0.62090976*	*0.81412746*	*0.83189371*	*3.41967492*	*0.59776837*
Int SD	*106.84864000*	*171.35246000*	*33.21127100*	*74.29988400*	*81.10972400*	*34.89222900*	*54.88844400*
RelInt Mean	0.00005454	0.00112118	-0.00005469	0.00097747	0.00015279	0.00197470	0.00002016
RelInt RSD	*46.51133611*	*12.57853767*	*47.71638754*	*5.69244944*	*45.12177791*	*20.77296428*	*206.83479849*
RelInt SD	*0.00002537*	*0.00014103*	*0.00002610*	*0.00005564*	*0.00006894*	*0.00041020*	*0.00004169*
Conc Mean	<0.00031754[mg/l]	<-0.02524421[mg/l]	0.00442609[mg/l]	0.00533343[mg/l]	<-0.00014220[mg/l]	<0.02510137[mg/l]	<0.00008775[mg/l]
Conc RSD	*263.27919143*	*77.51259883*	*18.99163971*	*9.28309072*	*157.37812423*	*81.34210231*	*237.81889545*
Conc SD	*0.00083602[mg/l]*	*0.01956744[mg/l]*	*0.00084059[mg/l]*	*0.00049511[mg/l]*	*0.00022379[mg/l]*	*0.02041798[mg/l]*	*0.00020869[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7958.25140	71913.84700	11634.15100	831.03598000	2196.84710	11181.93500	6665.95010
Int RSD	*0.26626853*	*0.40910189*	*0.27763524*	*20.84185573*	*11.92748963*	*0.44073279*	*1.66223552*
Int SD	*21.19031900*	*294.20091000*	*32.30050300*	*173.20332000*	*262.02871000*	*49.28245400*	*110.80379000*
RelInt Mean	0.00001539	0.00077135	0.00025111	0.00172001	0.00022932	0.00017645	0.00039495
RelInt RSD	*55.66789244*	*0.16064783*	*24.85855833*	*17.79464672*	*151.13795070*	*14.65609316*	*24.31927363*
RelInt SD	*0.00000857*	*0.00000124*	*0.00006242*	*0.00030607*	*0.00034659*	*0.00002586*	*0.00009605*
Conc Mean	<-0.00009675[mg/l]	<0.00048075[mg/l]	<-0.06691700[mg/l]	<0.41199936[mg/l]	<0.02889966[mg/l]	<-0.00005270[mg/l]	<0.00004183[mg/l]
Conc RSD	*57.56523042*	*5.98815546*	*0.28625564*	*65.14300168*	*335.16207906*	*29.74745776*	*1579.38422*
Conc SD	*0.00005569[mg/l]*	*0.00002879[mg/l]*	*0.00019155[mg/l]*	*0.26838875[mg/l]*	*0.09686071[mg/l]*	*0.00001568[mg/l]*	*0.00066067[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	18828.00100	9901.56800	10125.25400	7028.54160	5558.57530	5196.94450	1340.48190
Int RSD	*5.71095997*	*0.41336730*	*0.49910827*	*0.53232816*	*0.53041010*	*2.35766978*	*10.16991800*
Int SD	*1075.25960*	*40.92984400*	*50.53598000*	*37.41490600*	*29.48324500*	*122.52679000*	*136.32591000*
RelInt Mean	0.02827356	0.00012696	-0.00008774	0.00008941	0.00004335	0.00007861	-0.00019859
RelInt RSD	*1.29279773*	*18.22946585*	*31.53806608*	*25.54172348*	*34.83725618*	*138.48220542*	*141.17901209*
RelInt SD	*0.00036552*	*0.00002314*	*0.00002767*	*0.00002284*	*0.00001510*	*0.00010886*	*0.00028036*
Conc Mean	<0.16170962[mg/l]	<-0.00085624[mg/l]	<0.00047751[mg/l]	<0.00042318[mg/l]	<-0.00046838[mg/l]	<-0.00425860[mg/l]	<-0.00000788[mg/l]
Conc RSD	*9.80892170*	*19.97549904*	*153.46455524*	*183.41465330*	*99.64409835*	*42.62277024*	*2647.87858*
Conc SD	*0.01586197[mg/l]*	*0.00017104[mg/l]*	*0.00073281[mg/l]*	*0.00077617[mg/l]*	*0.00046672[mg/l]*	*0.00181513[mg/l]*	*0.00020864[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	71996.47300	5034.57900	19386.28500	1114347	18954175	379515	6797.65370
Int RSD	*0.45679914*	*0.30985159*	*0.82305769*	*0.15455407*	*0.50912793*	*0.20048582*	*1.25285753*
Int SD	*328.87927000*	*15.59972300*	*159.56031000*	*1722.26800*	*96500.99800*	*760.87304000*	*85.16491600*
RelInt Mean	-0.00004865	-0.00006684	0.00017105	---	---	---	0.00023982
RelInt RSD	*28.92242548*	*53.22935716*	*6.62371055*	---	---	---	*27.07052089*
RelInt SD	*0.00001407*	*0.00003558*	*0.00001133*	---	---	---	*0.00006492*
Conc Mean	<-0.00928456[mg/l]	0.00606505[mg/l]	<-0.00473908[mg/l]	1102787	18867763	377802	<0.00013554[mg/l]
Conc RSD	*1.23604466*	*37.01313696*	*36.72863759*	---	---	---	*127.17705545*
Conc SD	*0.00011476[mg/l]*	*0.00224487[mg/l]*	*0.00174060[mg/l]*	*1758.90500*	*96513.25900*	*774.50276000*	*0.00017237[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	24.36386000	6082.71840	9010.98000	6349.72890	9307.73260	7979.88690	
Int RSD	*273.04592950*	*16.92104307*	*0.78359314*	*1.34848677*	*0.10679530*	*1.33178842*	
Int SD	*66.52452800*	*1029.25940*	*70.60942100*	*85.62525400*	*9.94022130*	*106.27521000*	
RelInt Mean	-0.00080089	0.00011391	0.00038733	0.00008374	0.00013442	0.00014802	
RelInt RSD	*46.87501405*	*173.65325857*	*17.17446789*	*53.22819609*	*19.93653338*	*75.81466208*	
RelInt SD	*0.00037542*	*0.00019781*	*0.00006652*	*0.00004457*	*0.00002680*	*0.00011222*	
Conc Mean	<-0.00107906[mg/l]	<-0.00897757[mg/l]	<-0.00185244[mg/l]	<-0.00126697[mg/l]	<-0.00011468[mg/l]	0.00950870[mg/l]	
Conc RSD	*93.74211409*	*20.87884112*	*40.71236146*	*58.68604522*	*72.82711210*	*41.57846171*	
Conc SD	*0.00101153[mg/l]*	*0.00187441[mg/l]*	*0.00075417[mg/l]*	*0.00074353[mg/l]*	*0.00008352[mg/l]*	*0.00395357[mg/l]*	

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number:	467769
Report Level:	IV
Report Date:	01/05/2023

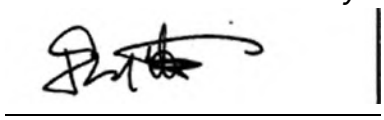
PCBs

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	467769
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	08/22/22

Sample ID	Lab ID	Collected	Matrix
AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-P-WF	467769-001	08/22/22 11:45	Wipe
DOOR-N-0.1GE-EXT-5 TO 6-220822-P-CB	467769-004	08/22/22 10:41	Wipe

Case Narrative

PCBS (EPA 8082)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 467769 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 08/22/22

This data package contains sample and QC results for two wipe samples, requested for the above referenced project on 08/23/22. See attached cooler receipt form for any sample receipt problems or discrepancies. Reissued 1/5/23 to revise the preparation method reference.

PCBs (EPA 8082):

No analytical problems were encountered.

Chain of Custody

467769 JG

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

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Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	

Analysis Request

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure A

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	
1	~~DOOR-N-0.1GE-DG-4 TO 17-2208 -P-~~	8/ /2022		WP	1		X			MK
2	~~DOOR-N-0.1GE-DG-4 TO 17-2208 -L-~~	8/ /2022		WP	1			X		MK
3	~~DOOR-N-0.3GE-EXT-3 TO 4-2208 -P-~~	8/ /2022		WP	1		X			MK
4	~~DOOR-N-0.3GE-EXT-3 TO 4-2208 -L-~~	8/ /2022		WP	1			X		MK
5	~~DOOR-N-0.4GE-INT-17 TO 18-2208 -P-~~	8/ /2022		WP	1		X			MK
6	~~DOOR-N-0.4GE-INT-17 TO 18-2208 -L-~~	8/ /2022		WP	1			X		MK
7	~~DOOR-N-0.5GE-DG-4 TO 17-2208 -P-~~	8/ /2022		WP	1		X			MK
8	~~DOOR-N-0.5GE-DG-4 TO 17-2208 -P-DUP-~~	8/ /2022		WP	1		X			MK
9	~~DOOR-N-0.5GE-DG-4 TO 17-2208 -L-~~	8/ /2022		WP	1			X		MK
10	AFRAME-C1E-LAT-L3-EXT-1 TO 2-2208 22-P-WF	8/22/2022	1145	WP	1		X			
11	AFRAME-C1E-LAT-L3-EXT-1 TO 2-2208 22-L-WF	8/22/2022	1145	WP	1			X		
12	AFRAME-C1E-LAT-L3-EXT-1 TO 2-2208 22-L-DUP-WF	8/22/2022	1145	WP	1			X		
13	DOOR-N-0.1GE-INT-19 TO 20-202208 EXT-5106- 22-P-CB	8/22/2022	1041	WP	1		X			
14	DOOR-N-0.1GE-INT-19 TO 20-202208 EXT-5106- 22-L-CB	8/22/2022	1041	WP	1			X		
15	DOOR-N-0.1GE-INT-19 TO 20-202208 EXT-5106- 22-L-DUP-CB	8/22/2022	1041	WP	1			X		

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michala Ginn/ENV Scientist	Rincon/ENV Scientist	1350 8/22/22
[1] Received By:	Audrey Hudson	ENTHALPY	Audrey Hudson	1:50 8/22/22
[2] Relinquished By:	Audrey Hudson	"	"	16:14 8/22/22
[2] Received By:		Macdonald Yip	EA	8/22/22 16:14
[3] Relinquished By:		Isratou Jobarteh	EA	8/22/22 1742
[3] Received By:				8/23/22 08:35

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 467769 Client: Rincon

Date Received: 8.22.22 Project:

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☐ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 8.22 By (print) JH (sign) JH

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☐ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: 1.2, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	–		
Were Method 5035 sampling containers present?		–	
If YES, what time were they transferred to freezer?			
Did all bottles arrive unbroken/unopened?	–		
Are there any missing / extra samples?		–	
Are samples in the appropriate containers for indicated tests?	–		
Are sample labels present, in good condition and complete?	–		
Does the container count match the COC?	–		
Do the sample labels agree with custody papers?	–		
Was sufficient amount of sample sent for tests requested?	–		
Did you change the hold time in LIMS for unpreserved VOAs?			–
Did you change the hold time in LIMS for preserved terracores?			–
Are bubbles > 6mm present in VOA samples?			–
Was the client contacted concerning this sample delivery?		–	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged In 8-22 **By (print)** MAY **(sign)** _____

Date Labeled 8-22 **By (print)** JH **(sign)** JH

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultant, Inc. Project: Hangar 1 - NCTRA WP / 158 Coody Road. Mountain View, CA

Date Received: 8/23/2022 Sampler's Name Present: ☐ Yes ☑ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.8 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: Greyhound

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☑ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.9 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Received 6 Jars of samples (-001A → -006A)

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Yamira Date: 8/23/2022

9/5.8

c/0.9

ENTHALPY ANALYTICAL

Chain of Custody Record — COC ID:

Page: 1 of 4

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure A

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	
1	~~DOOR-N-0.1GE-DG-4 TO 17-2208 -P-~~	8/ /2022		WP	1		X			MK
2	~~DOOR-N-0.1GE-DG-4 TO 17-2208 -L-~~	8/ /2022		WP	1			X		MK
3	~~DOOR-N-0.3GE-EXT-3 TO 4-2208 -P-~~	8/ /2022		WP	1		X			MK
4	~~DOOR-N-0.3GE-EXT-3 TO 4-2208 -L-~~	8/ /2022		WP	1			X		MK
5	~~DOOR-N-0.4GE-INT-17 TO 18-2208 -P-~~	8/ /2022		WP	1		X			MK
6	~~DOOR-N-0.4GE-INT-17 TO 18-2208 -L-~~	8/ /2022		WP	1			X		MK
7	~~DOOR-N-0.5GE-DG-4 TO 17-2208 -P-~~	8/ /2022		WP	1		X			MK
8	~~DOOR-N-0.5GE-DG-4 TO 17-2208 -P-DUP-~~	8/ /2022		WP	1		X			MK
9	~~DOOR-N-0.5GE-DG-4 TO 17-2208 -L-~~	8/ /2022		WP	1			X		MK
10	AFRAME-C1E-LAT-L3-EXT-1 TO 2-2208 22-P-WF	8/22/2022	1145	WP	1		X			
11	AFRAME-C1E-LAT-L3-EXT-1 TO 2-2208 22-L-WF	8/22/2022	1145	WP	1			X		
12	AFRAME-C1E-LAT-L3-EXT-1 TO 2-2208 22-L-DUP-WF	8/22/2022	1145	WP	1			X		
13	EXT-5TO6- DOOR-N-0.1GE-EXT-10 TO 20-202208 22-P-CB	8/22/2022	1041	WP	1		X			
14	EXT-6TO6- DOOR-N-0.1GE-EXT-10 TO 20-202208 22-L-CB	8/22/2022	1041	WP	1			X		
15	EXT-5TO6- DOOR-N-0.1GE-EXT-10 TO 20-202208 22-L-DUP-CB	8/22/2022	1041	WP	1			X		

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michala Gwyn/ERM Scientist	Rincon/ERM Scientist	1350 8/22/22
1 Received By:	Audrey Hudson	ENTHALPY	AUDREY HUDSON	1:50 8/22/22
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

CamScanner

Results & QC Summary

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467769 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-P-WF **Batch#:** 295971 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/22/22 **Analysis:** EPA 8082

Lab ID: 467769-001 **Received:** 08/22/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/30/22

Diln Fac: 1.000 **Analyzed:** 08/30/22

467769-001 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467769-001 Surrogate	%REC	Limits
TCMX (PCB)	79	52-186
Decachlorobiphenyl (PCB)	64	50-150

Field ID: DOOR-N-0.1GE-EXT-5 TO 6-220822-P-CB **Batch#:** 295632 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/22/22 **Analysis:** EPA 8082

Lab ID: 467769-004 **Received:** 08/22/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/24/22

Diln Fac: 1.000 **Analyzed:** 08/26/22

467769-004 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467769-004 Surrogate	%REC	Limits
TCMX (PCB)	91	52-186
Decachlorobiphenyl (PCB)	79	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467769 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 295632 **Analysis:** EPA 8082

Lab ID: QC1008494 **Prepared:** 08/24/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/26/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1008494 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1008494 Surrogate	%REC	Limits
TCMX (PCB)	92	52-186
Decachlorobiphenyl (PCB)	74	60-140

Type: BLANK **Batch#:** 295971 **Analysis:** EPA 8082

Lab ID: QC1009630 **Prepared:** 08/30/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/30/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1009630 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1009630 Surrogate	%REC	Limits
TCMX (PCB)	95	52-186
Decachlorobiphenyl (PCB)	78	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 467769 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 295632 **Analysis:** EPA 8082

Lab ID: QC1008495 **Prepared:** 08/24/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/26/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1008495 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	5.095	102	60-140	ug/100 cm2
Aroclor-1260	5.000	5.648	113	60-140	ug/100 cm2

QC1008495 Surrogate	%REC	Limits
TCMX (PCB)	83	52-186
Decachlorobiphenyl (PCB)	79	60-140

Type: BSD **Batch#:** 295632 **Analysis:** EPA 8082

Lab ID: QC1008496 **Prepared:** 08/24/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/26/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1008496 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	5.690	114	60-140	ug/100 cm2	11	20
Aroclor-1260	5.000	6.161	123	60-140	ug/100 cm2	9	20

QC1008496 Surrogate	%REC	Limits
TCMX (PCB)	97	52-186
Decachlorobiphenyl (PCB)	88	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 467769 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 295971 **Analysis:** EPA 8082

Lab ID: QC1009631 **Prepared:** 08/30/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/30/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1009631 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.492	90	60-140	ug/100 cm2
Aroclor-1260	5.000	4.370	87	60-140	ug/100 cm2

QC1009631 Surrogate	%REC	Limits
TCMX (PCB)	93	52-186
Decachlorobiphenyl (PCB)	78	60-140

Type: BSD **Batch#:** 295971 **Analysis:** EPA 8082

Lab ID: QC1009632 **Prepared:** 08/30/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/30/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1009632 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.679	94	60-140	ug/100 cm2	4	20
Aroclor-1260	5.000	4.738	95	60-140	ug/100 cm2	8	20

QC1009632 Surrogate	%REC	Limits
TCMX (PCB)	91	52-186
Decachlorobiphenyl (PCB)	83	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY INITIAL CALIBRATION FOR 467769 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_041422_1
Calibration #:	452150634002	Date:	14-APR-2022 18:41
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_041422015	452150634015		14-APR-2022 18:41	S16585 (100X), S16100 (250X)
L2	gc06_041422016	452150634016		14-APR-2022 18:58	S16585 (40X), S16100 (250X)
L3	gc06_041422017	452150634017		14-APR-2022 19:16	S16585 (20X), S16100 (250X)
L4	gc06_041422018	452150634018		14-APR-2022 19:33	S16585 (8X), S16100 (250X)
L5	gc06_041422019	452150634019		14-APR-2022 19:51	S16585 (4X), S16100 (250X)
L6	gc06_041422020	452150634020		14-APR-2022 20:09	S16585 (2.667X), S16100 (250X)
L7	gc06_041422021	452150634021		14-APR-2022 20:26	S16585 (2X), S16100 (250X)
L8	gc06_041422022	452150634022		14-APR-2022 20:44	S16585 (1.33X), S16100 (250X)
L9	gc06_041422023	452150634023		14-APR-2022 21:01	S16585, S16100 (250X)

Analyte	Ch	Type	a0	a1	a2	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		51.1278		0.0196	12	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		23.4813		0.0426	17	9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		19.9522		0.0501	7	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		26.6618		0.0375	10	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		34.4669		0.0290	13	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		15.8917		0.0629	17	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		10.3178		0.0969	16	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		9.92526		0.1008	11	9	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		19.9568		0.0501	14	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		15.0787		0.0663	10	9	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.65776		1.5203	11	9	.99	20	
TCMX (PCB)	A	AVRG		1.03976		0.9618	12	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		53.4063		0.0187	13	8	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		25.7342		0.0389	10	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		19.5135		0.0512	8	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		28.7624		0.0348	10	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		36.7890		0.0272	8	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		16.5241		0.0605	17	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		14.3009		0.0699	15	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		10.5262		0.0950	13	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		19.4527		0.0514	13	9	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		13.1942		0.0758	14	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.82881		1.2065	11	9	.99	20	
TCMX (PCB)	B	AVRG		1.09191		0.9158	4	9	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

ENTHALPY INITIAL CALIBRATION FOR 467769 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_041422_1
Calibration #:	452150634002	Date:	14-APR-2022 18:41
Units:	ug/L	X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0231	0.0227	0.0209	0.0201	0.0187	0.0179	0.0181	0.0177	0.0170
Aroclor-1016 Peak # 2	A	0.0579	0.0492	0.0459	0.0411	0.0401	0.0377	0.0380	0.0376	0.0358
Aroclor-1016 Peak # 3	A	0.0556	0.0544	0.0533	0.0502	0.0495	0.0465	0.0475	0.0478	0.0462
Aroclor-1016 Peak # 4	A	0.0452	0.0402	0.0403	0.0373	0.0367	0.0344	0.0348	0.0349	0.0336
Aroclor-1016 Peak # 5	A	0.0366	0.0313	0.0318	0.0288	0.0282	0.0260	0.0265	0.0266	0.0254
Aroclor-1260 Peak # 1	A	0.0863	0.0696	0.0704	0.0605	0.0604	0.0546	0.0553	0.0564	0.0528
Aroclor-1260 Peak # 2	A	0.1290	0.1076	0.1081	0.0929	0.0932	0.0843	0.0856	0.0887	0.0829
Aroclor-1260 Peak # 3	A	0.1233	0.1080	0.1086	0.0954	0.0970	0.0903	0.0930	0.0985	0.0928
Aroclor-1260 Peak # 4	A	0.0649	0.0543	0.0546	0.0479	0.0490	0.0442	0.0449	0.0473	0.0440
Aroclor-1260 Peak # 5	A	0.0797	0.0687	0.0724	0.0626	0.0650	0.0598	0.0618	0.0654	0.0615
Decachlorobiphenyl (PCB)	A	1.7379	1.5882	1.7199	1.5711	1.6300	1.3467	1.3670	1.4227	1.2993
TCMX (PCB)	A	1.2458	1.0303	0.9495	0.8937	0.9019	0.8810	0.9149	0.9235	0.9152
Aroclor-1016 Peak # 1	B		0.0232	0.0215	0.0191	0.0183	0.0172	0.0173	0.0168	0.0162
Aroclor-1016 Peak # 2	B	0.0444	0.0428	0.0426	0.0397	0.0384	0.0360	0.0363	0.0355	0.0340
Aroclor-1016 Peak # 3	B	0.0572	0.0573	0.0541	0.0510	0.0506	0.0471	0.0486	0.0480	0.0473
Aroclor-1016 Peak # 4	B	0.0420	0.0372	0.0371	0.0352	0.0341	0.0320	0.0325	0.0320	0.0309
Aroclor-1016 Peak # 5	B	0.0313	0.0295	0.0290	0.0271	0.0270	0.0252	0.0256	0.0255	0.0245
Aroclor-1260 Peak # 1	B	0.0820	0.0682	0.0674	0.0585	0.0578	0.0528	0.0531	0.0540	0.0509
Aroclor-1260 Peak # 2	B	0.0913	0.0772	0.0777	0.0683	0.0672	0.0613	0.0623	0.0639	0.0601
Aroclor-1260 Peak # 3	B	0.1205	0.1032	0.1035	0.0913	0.0919	0.0839	0.0860	0.0896	0.0852
Aroclor-1260 Peak # 4	B	0.0648	0.0555	0.0557	0.0505	0.0510	0.0461	0.0439	0.0490	0.0462
Aroclor-1260 Peak # 5	B	0.0991	0.0829	0.0833	0.0720	0.0729	0.0663	0.0670	0.0713	0.0673
Decachlorobiphenyl (PCB)	B	1.4005	1.2744	1.3672	1.2436	1.2790	1.0642	1.0803	1.1172	1.0325
TCMX (PCB)	B	1.0035	0.9180	0.8869	0.8884	0.9009	0.8817	0.9159	0.9229	0.9244

ENTHALPY INITIAL CALIBRATION FOR 467769 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_041422_1
Calibration #:	452150634002	Date:	14-APR-2022 18:41
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	18	50.000	16	100.00	7	250.00	3	500.00	-4	749.91	-9	1000.0	-8	1503.8	-10
Aroclor-1016 Peak # 2	A	20.000	**36**	50.000	15	100.00	8	250.00	-3	500.00	-6	749.91	-11	1000.0	-11	1503.8	-12
Aroclor-1016 Peak # 3	A	20.000	11	50.000	9	100.00	6	250.00	0	500.00	-1	749.91	-7	1000.0	-5	1503.8	-5
Aroclor-1016 Peak # 4	A	20.000	**21**	50.000	7	100.00	8	250.00	-1	500.00	-2	749.91	-8	1000.0	-7	1503.8	-7
Aroclor-1016 Peak # 5	A	20.000	**26**	50.000	8	100.00	9	250.00	-1	500.00	-3	749.91	-11	1000.0	-9	1503.8	-8
Aroclor-1260 Peak # 1	A	20.000	**37**	50.000	11	100.00	12	250.00	-4	500.00	-4	749.91	-13	1000.0	-12	1503.8	-10
Aroclor-1260 Peak # 2	A	20.000	**33**	50.000	11	100.00	11	250.00	-4	500.00	-4	749.91	-13	1000.0	-12	1503.8	-8
Aroclor-1260 Peak # 3	A	20.000	**22**	50.000	7	100.00	8	250.00	-5	500.00	-4	749.91	-10	1000.0	-8	1503.8	-2
Aroclor-1260 Peak # 4	A	20.000	**29**	50.000	8	100.00	9	250.00	-4	500.00	-2	749.91	-12	1000.0	-10	1503.8	-6
Aroclor-1260 Peak # 5	A	20.000	20	50.000	4	100.00	9	250.00	-6	500.00	-2	749.91	-10	1000.0	-7	1503.8	-1
Decachlorobiphenyl (PCB)	A	0.8000	14	2.0000	4	4.0000	13	10.000	3	20.000	7	29.996	-11	40.000	-10	60.150	-6
TCMX (PCB)	A	0.8000	**30**	2.0000	7	4.0000	-1	10.000	-7	20.000	-6	29.996	-8	40.000	-5	60.150	-4
Aroclor-1016 Peak # 1	B			50.000	**24**	100.00	15	250.00	2	500.00	-2	749.91	-8	1000.0	-8	1503.8	-10
Aroclor-1016 Peak # 2	B	20.000	14	50.000	10	100.00	10	250.00	2	500.00	-1	749.91	-7	1000.0	-7	1503.8	-9
Aroclor-1016 Peak # 3	B	20.000	12	50.000	12	100.00	6	250.00	0	500.00	-1	749.91	-8	1000.0	-5	1503.8	-6
Aroclor-1016 Peak # 4	B	20.000	**21**	50.000	7	100.00	7	250.00	1	500.00	-2	749.91	-8	1000.0	-6	1503.8	-8
Aroclor-1016 Peak # 5	B	20.000	15	50.000	8	100.00	7	250.00	0	500.00	-1	749.91	-7	1000.0	-6	1503.8	-6
Aroclor-1260 Peak # 1	B	20.000	**35**	50.000	13	100.00	11	250.00	-3	500.00	-4	749.91	-13	1000.0	-12	1503.8	-11
Aroclor-1260 Peak # 2	B	20.000	**31**	50.000	10	100.00	11	250.00	-2	500.00	-4	749.91	-12	1000.0	-11	1503.8	-9
Aroclor-1260 Peak # 3	B	20.000	**27**	50.000	9	100.00	9	250.00	-4	500.00	-3	749.91	-12	1000.0	-10	1503.8	-6
Aroclor-1260 Peak # 4	B	20.000	**26**	50.000	8	100.00	8	250.00	-2	500.00	-1	749.91	-10	1000.0	-15	1503.8	-5
Aroclor-1260 Peak # 5	B	20.000	**31**	50.000	9	100.00	10	250.00	-5	500.00	-4	749.91	-13	1000.0	-12	1503.8	-6
Decachlorobiphenyl (PCB)	B	0.8000	16	2.0000	6	4.0000	13	10.000	3	20.000	6	29.996	-12	40.000	-10	60.150	-7
TCMX (PCB)	B	0.8000	10	2.0000	0	4.0000	-3	10.000	-3	20.000	-2	29.996	-4	40.000	0	60.150	1

ENTHALPY INITIAL CALIBRATION FOR 467769 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_041422_1
Calibration #:	452150634002	Date:	14-APR-2022 18:41
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-13
Aroclor-1016 Peak # 2	A	2000.0	-16
Aroclor-1016 Peak # 3	A	2000.0	-8
Aroclor-1016 Peak # 4	A	2000.0	-10
Aroclor-1016 Peak # 5	A	2000.0	-12
Aroclor-1260 Peak # 1	A	2000.0	-16
Aroclor-1260 Peak # 2	A	2000.0	-14
Aroclor-1260 Peak # 3	A	2000.0	-8
Aroclor-1260 Peak # 4	A	2000.0	-12
Aroclor-1260 Peak # 5	A	2000.0	-7
Decachlorobiphenyl (PCB)	A	80.000	-15
TCMX (PCB)	A	80.000	-5
Aroclor-1016 Peak # 1	B	2000.0	-14
Aroclor-1016 Peak # 2	B	2000.0	-12
Aroclor-1016 Peak # 3	B	2000.0	-8
Aroclor-1016 Peak # 4	B	2000.0	-11
Aroclor-1016 Peak # 5	B	2000.0	-10
Aroclor-1260 Peak # 1	B	2000.0	-16
Aroclor-1260 Peak # 2	B	2000.0	-14
Aroclor-1260 Peak # 3	B	2000.0	-10
Aroclor-1260 Peak # 4	B	2000.0	-10
Aroclor-1260 Peak # 5	B	2000.0	-11
Decachlorobiphenyl (PCB)	B	80.000	-14
TCMX (PCB)	B	80.000	1

TJW 04/15/22 : Manually integrated due to baseline corrections for all channels in multiple levels

Analyst: TJW 04/15/22

Reviewer: LW 04/15/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 467769 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Name:	PCB_041422_1
Calnum:	452150634002	Cal Date:	14-APR-2022

- ICV 452150634025 (gc06_041422025 14-APR-2022) stds: S16736

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	470.1	ug/L	-6	15	
Aroclor-1260	A	500.0	484.1	ug/L	-3	15	
Aroclor-1016	B	500.0	481.4	ug/L	-4	15	
Aroclor-1260	B	500.0	486.3	ug/L	-3	15	

-

Analyst: TJW 04/15/22 **Reviewer:** LW 04/15/22

ENTHALPY CONTINUING CALIBRATION FOR 467769 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	452343556002	File:	gc06_082622002	Time:	26-AUG-2022 13:56
Cal:	452150634002	Caldate:	14-APR-2022		

Standards: S17055

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	550.8	ug/L	10	15	0.0000	
Aroclor-1260	A			500.0	569.3	ug/L	14	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.5203	1.7501	20.00	23.02	ug/L	15	15	0.0000	
TCMX (PCB)	A	0.9618	1.9034	20.00	39.58	ug/L	**98**	15	0.0000	c+
Aroclor-1016	B			500.0	579.5	ug/L	**16**	15	0.0000	**c+** ***
Aroclor-1260	B			500.0	605.4	ug/L	**21**	15	0.0000	**c+** ***
Decachlorobiphenyl (PCB)	B	1.2065	1.6012	20.00	26.54	ug/L	**33**	15	0.0000	c+
TCMX (PCB)	B	0.9158	1.9823	20.00	43.29	ug/L	**116**	15	0.0000	c+

ISTD (ICAL gc06_041422016)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	6493014	8218495	26.57
1-bromo-2-nitrobenzene (PCB)	A	1831488	1919479	4.80

TRN 08/26/22 : Report from CH A

+=high bias c=CCV

Analyst: TRN 08/26/22 **Reviewer:** SLL 08/29/22

ENTHALPY CONTINUING CALIBRATION FOR 467769 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	452349374002	File:	gc06_083022002	Time:	30-AUG-2022 14:54
Cal:	452150634002	Caldate:	14-APR-2022		

Standards: S17055

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	454.1	ug/L	-9	15	0.0000	
Aroclor-1260	A			500.0	469.4	ug/L	-6	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.5203	1.3144	20.00	17.29	ug/L	-14	15	0.0000	
TCMX (PCB)	A	0.9618	0.9916	20.00	20.62	ug/L	3	15	0.0000	
Aroclor-1016	B			500.0	491.4	ug/L	-2	15	0.0000	
Aroclor-1260	B			500.0	484.9	ug/L	-3	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2065	1.1754	20.00	19.48	ug/L	-3	15	0.0000	
TCMX (PCB)	B	0.9158	0.9897	20.00	21.61	ug/L	8	15	0.0000	

ISTD (ICAL gc06_041422016)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	6493014	5237900	-19.33
1-bromo-2-nitrobenzene (PCB)	A	1831488	1298245	-29.12

TRN 08/30/22 [Aroclor-1016 A]: Separated from coeluting peak for Ch. A.

Analyst: TRN 08/30/22 **Reviewer:** LW 08/30/22

Enthalpy Internal Standard Summary for Sequence 452343556

Date:	08/26/22	Reference:	gc06_041422016
Sequence:	SVOA-GC06 gc06_082622	Analyzed:	04/14/22 18:58

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	6493014	1831488
		LOWER LIMIT	3246507	915744
		UPPER LIMIT	12986028	3662976
002	CCV		8218495	1919479
054	CCV		9640442	1993573

Enthalpy Internal Standard Summary for Sequence 452343556

Date: 08/26/22 Reference: gc06_082622002
Sequence: SVOA-GC06 gc06_082622 Analyzed: 08/26/22 13:56

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	8218495	1919479
		LOWER LIMIT	4109247	959740
		UPPER LIMIT	16436989	3838958
004	SAMPLE	467774-005	3485 *	706 *
006	SAMPLE	467774-005	19114025 *	3817896
013	BLANK	QC1008494	10776439	2035190
014	BS	QC1008495	9631063	1765534
015	BSD	QC1008496	8789073	1599891
016	SAMPLE	467767-001	7402786	1492388
017	SAMPLE	467769-004	7173330	1417500
018	SAMPLE	467771-001	8084283	1602079
019	SAMPLE	467771-003	8704926	1713222
020	SAMPLE	467771-005	8868625	1726643
021	SAMPLE	467771-007	25654111 *	4986268 *
022	SAMPLE	467774-001	26203321 *	5088749 *
023	SAMPLE	467774-003	10056210	1995906
024	SAMPLE	467774-007	24316230 *	4621759 *
025	SAMPLE	467872-039	8592765	1664480
026	SAMPLE	467872-041	8065302	1581957
027	SAMPLE	467872-044	16256538	3118391
028	SAMPLE	467872-046	8655156	1701107
029	SAMPLE	467872-048	8784782	1730339
030	BLANK	QC1008491	8469873	1541915
031	BS	QC1008492	7747147	1544213
032	BSD	QC1008493	7674423	1573816
033	SAMPLE	467872-001	7918075	1559928
034	SAMPLE	467872-003	8533392	1634001
035	SAMPLE	467872-005	9827992	1840514
036	SAMPLE	467872-007	7714453	1457825
037	SAMPLE	467872-008	10457717	1942460
038	SAMPLE	467872-010	7831157	1486306
039	SAMPLE	467872-012	6840643	1340797
040	SAMPLE	467872-014	7589971	1402635
041	SAMPLE	467872-016	9279861	1756314
042	SAMPLE	467872-018	8125603	1506070

Enthalpy Internal Standard Summary for Sequence 452343556

Date: 08/26/22 Reference: gc06_082622002
Sequence: SVOA-GC06 gc06_082622 Analyzed: 08/26/22 13:56

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.13	4.36
		LOWER LIMIT	3.93	4.16
		UPPER LIMIT	4.33	4.56
004	SAMPLE	467774-005	4.12	4.28
006	SAMPLE	467774-005	4.13	4.36
013	BLANK	QC1008494	4.13	4.36
014	BS	QC1008495	4.13	4.36
015	BSD	QC1008496	4.13	4.36
016	SAMPLE	467767-001	4.12	4.36
017	SAMPLE	467769-004	4.12	4.36
018	SAMPLE	467771-001	4.13	4.36
019	SAMPLE	467771-003	4.13	4.36
020	SAMPLE	467771-005	4.12	4.36
021	SAMPLE	467771-007	4.12	4.36
022	SAMPLE	467774-001	4.12	4.35
023	SAMPLE	467774-003	4.12	4.35
024	SAMPLE	467774-007	4.13	4.36
025	SAMPLE	467872-039	4.12	4.36
026	SAMPLE	467872-041	4.12	4.36
027	SAMPLE	467872-044	4.13	4.36
028	SAMPLE	467872-046	4.13	4.36
029	SAMPLE	467872-048	4.12	4.36
030	BLANK	QC1008491	4.12	4.36
031	BS	QC1008492	4.12	4.36
032	BSD	QC1008493	4.13	4.36
033	SAMPLE	467872-001	4.12	4.36
034	SAMPLE	467872-003	4.12	4.36
035	SAMPLE	467872-005	4.12	4.36
036	SAMPLE	467872-007	4.12	4.36
037	SAMPLE	467872-008	4.12	4.36
038	SAMPLE	467872-010	4.12	4.36
039	SAMPLE	467872-012	4.12	4.36
040	SAMPLE	467872-014	4.12	4.36
041	SAMPLE	467872-016	4.12	4.36
042	SAMPLE	467872-018	4.12	4.36

Enthalpy Internal Standard Summary for Sequence 452349374

Date:	08/30/22	Reference:	gc06_041422016
Sequence:	SVOA-GC06 gc06_083022	Analyzed:	04/14/22 18:58

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	6493014	1831488
		LOWER LIMIT	3246507	915744
		UPPER LIMIT	12986028	3662976
002	CCV		5237900	1298245

Enthalpy Internal Standard Summary for Sequence 452349374

Date:	08/30/22	Reference:	gc06_083022002
Sequence:	SVOA-GC06 gc06_083022	Analyzed:	08/30/22 14:54

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	5237900	1298245
		LOWER LIMIT	2618950	649122
		UPPER LIMIT	10475799	2596490
008	BLANK	QC1009630	5340596	1204945
009	BS	QC1009631	5757605	1273713
010	BSD	QC1009632	5159856	1182538
011	SAMPLE	467769-001	5329585	1185942

Enthalpy Internal Standard Summary for Sequence 452349374

Date:	08/30/22	Reference:	gc06_083022002
Sequence:	SVOA-GC06 gc06_083022	Analyzed:	08/30/22 14:54

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.13	4.36
		LOWER LIMIT	3.93	4.16
		UPPER LIMIT	4.33	4.56
008	BLANK	QC1009630	4.13	4.36
009	BS	QC1009631	4.13	4.36
010	BSD	QC1009632	4.13	4.36
011	SAMPLE	467769-001	4.12	4.36

Enthalpy Sequence Summary for Sequence 452150634

Instrument: SVOA-GC06 Begun: 04/14/22 14:34
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	gc06_041422001	UNKNOWN	HEXANE			04/14/22 14:34	1.0	1	4:DDD44=1100
002	gc06_041422002	PEM				04/14/22 14:52	1.0	2	
003	gc06_041422003	UNKNOWN	HEXANE			04/14/22 15:10	1.0	1	3:GCHLORDANE=5600
004	gc06_041422004	ICAL				04/14/22 15:27	1.0	3 4	
005	gc06_041422005	ICAL				04/14/22 15:45	1.0	3 4	
006	gc06_041422006	ICAL				04/14/22 16:02	1.0	3 4	
007	gc06_041422007	ICAL				04/14/22 16:20	1.0	3 4	
008	gc06_041422008	ICAL				04/14/22 16:38	1.0	3 4	
009	gc06_041422009	ICAL				04/14/22 16:55	1.0	3 4	
010	gc06_041422010	ICAL				04/14/22 17:13	1.0	3 4	
011	gc06_041422011	ICAL				04/14/22 17:30	1.0	3 4	
012	gc06_041422012	UNKNOWN	HEXANE			04/14/22 17:48	1.0	1	2:GCHLORDANE=4300
013	gc06_041422013	ICV				04/14/22 18:05	1.0	5	
014	gc06_041422014	UNKNOWN	HEXANE			04/14/22 18:23	1.0	1	
015	gc06_041422015	ICAL				04/14/22 18:41	1.0	6 4	
016	gc06_041422016	ICAL				04/14/22 18:58	1.0	6 4	
017	gc06_041422017	ICAL				04/14/22 19:16	1.0	6 4	
018	gc06_041422018	ICAL				04/14/22 19:33	1.0	6 4	
019	gc06_041422019	ICAL				04/14/22 19:51	1.0	6 4	
020	gc06_041422020	ICAL				04/14/22 20:09	1.0	6 4	
021	gc06_041422021	ICAL				04/14/22 20:26	1.0	6 4	
022	gc06_041422022	ICAL				04/14/22 20:44	1.0	6 4	
023	gc06_041422023	ICAL				04/14/22 21:01	1.0	6 4	
024	gc06_041422024	UNKNOWN	HEXANE			04/14/22 21:19	1.0	1	7:GCHLORDANE=44000
025	gc06_041422025	ICV				04/14/22 21:37	1.0	7	

TJW 04/15/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 1 through 25.

Standards Used:
1=S16324 2=S16226 3=S16727 4=S16100 5=S16619 6=S16585 7=S16736

Enthalpy Sequence Summary for Sequence 452343556

Instrument: SVOA-GC06 Begun: 08/26/22 13:56
Method: EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc06_082622002	CCV				08/26/22 13:56	1.0	1	
004	gc06_082622004	SAMPLE	467774-005	Wipe	295632	08/26/22 14:32	1.0	2	2:PCB1016#1=2800
006	gc06_082622006	SAMPLE	467774-005	Wipe	295632	08/26/22 14:58	1.0	2	
013	gc06_082622013	BLANK	QC1008494	Wipe	295632	08/26/22 17:17	1.0	2	
014	gc06_082622014	BS	QC1008495	Wipe	295632	08/26/22 17:35	1.0	2	
015	gc06_082622015	BSD	QC1008496	Wipe	295632	08/26/22 17:52	1.0	2	
016	gc06_082622016	SAMPLE	467767-001	Wipe	295632	08/26/22 18:10	1.0	2	
017	gc06_082622017	SAMPLE	467769-004	Wipe	295632	08/26/22 18:27	1.0	2	
018	gc06_082622018	SAMPLE	467771-001	Wipe	295632	08/26/22 18:44	1.0	2	
019	gc06_082622019	SAMPLE	467771-003	Wipe	295632	08/26/22 19:02	1.0	2	
020	gc06_082622020	SAMPLE	467771-005	Wipe	295632	08/26/22 19:19	1.0	2	
021	gc06_082622021	SAMPLE	467771-007	Wipe	295632	08/26/22 19:37	1.0	2	
022	gc06_082622022	SAMPLE	467774-001	Wipe	295632	08/26/22 19:54	1.0	2	
023	gc06_082622023	SAMPLE	467774-003	Wipe	295632	08/26/22 20:12	1.0	2	
024	gc06_082622024	SAMPLE	467774-007	Wipe	295632	08/26/22 20:29	1.0	2	
025	gc06_082622025	SAMPLE	467872-039	Wipe	295632	08/26/22 20:46	1.0	2	
026	gc06_082622026	SAMPLE	467872-041	Wipe	295632	08/26/22 21:04	1.0	2	
027	gc06_082622027	SAMPLE	467872-044	Wipe	295632	08/26/22 21:21	1.0	2	
028	gc06_082622028	SAMPLE	467872-046	Wipe	295632	08/26/22 21:39	1.0	2	
029	gc06_082622029	SAMPLE	467872-048	Wipe	295632	08/26/22 21:56	1.0	2	
030	gc06_082622030	BLANK	QC1008491	Wipe	295631	08/26/22 22:13	1.0	2	
031	gc06_082622031	BS	QC1008492	Wipe	295631	08/26/22 22:31	1.0	2	
032	gc06_082622032	BSD	QC1008493	Wipe	295631	08/26/22 22:48	1.0	2	
033	gc06_082622033	SAMPLE	467872-001	Wipe	295631	08/26/22 23:06	1.0	2	
034	gc06_082622034	SAMPLE	467872-003	Wipe	295631	08/26/22 23:23	1.0	2	
035	gc06_082622035	SAMPLE	467872-005	Wipe	295631	08/26/22 23:40	1.0	2	
036	gc06_082622036	SAMPLE	467872-007	Wipe	295631	08/26/22 23:58	1.0	2	
037	gc06_082622037	SAMPLE	467872-008	Wipe	295631	08/27/22 00:15	1.0	2	
038	gc06_082622038	SAMPLE	467872-010	Wipe	295631	08/27/22 00:33	1.0	2	
039	gc06_082622039	SAMPLE	467872-012	Wipe	295631	08/27/22 00:50	1.0	2	
040	gc06_082622040	SAMPLE	467872-014	Wipe	295631	08/27/22 01:07	1.0	2	
041	gc06_082622041	SAMPLE	467872-016	Wipe	295631	08/27/22 01:25	1.0	2	
042	gc06_082622042	SAMPLE	467872-018	Wipe	295631	08/27/22 01:42	1.0	2	
054	gc06_082622054	CCV				08/27/22 05:11	1.0	1	
062	gc06_082622062	SAMPLE	467872-020	Wipe	295631	08/27/22 07:31	1.0	2	
063	gc06_082622063	SAMPLE	467872-022	Wipe	295631	08/27/22 07:48	1.0	2	
064	gc06_082622064	SAMPLE	467872-024	Wipe	295631	08/27/22 08:06	1.0	2	
065	gc06_082622065	SAMPLE	467872-026	Wipe	295631	08/27/22 08:23	1.0	2	
066	gc06_082622066	SAMPLE	467872-029	Wipe	295631	08/27/22 08:41	1.0	2	
067	gc06_082622067	SAMPLE	467872-031	Wipe	295631	08/27/22 08:58	1.0	2	6:PCB1260#5=16000
068	gc06_082622068	SAMPLE	467872-033	Wipe	295631	08/27/22 09:15	1.0	2	
069	gc06_082622069	SAMPLE	467872-034	Wipe	295631	08/27/22 09:33	1.0	2	
070	gc06_082622070	SAMPLE	467872-036	Wipe	295631	08/27/22 09:50	1.0	2	
071	gc06_082622071	SAMPLE	467872-037	Wipe	295631	08/27/22 10:08	1.0	2	

TRN 08/29/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 71.

Standards Used:
1=S17055 2=S17010

Enthalpy Sequence Summary for Sequence 452349374

Instrument: SVOA-GC06 Begun: 08/30/22 14:54
Method: EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used
002	gc06_083022002	CCV				08/30/22 14:54	1.0	1
008	gc06_083022008	BLANK	QC1009630	Wipe	295971	08/30/22 16:04	1.0	2
009	gc06_083022009	BS	QC1009631	Wipe	295971	08/30/22 16:21	1.0	2
010	gc06_083022010	BSD	QC1009632	Wipe	295971	08/30/22 16:39	1.0	2
011	gc06_083022011	SAMPLE	467769-001	Wipe	295971	08/30/22 16:57	1.0	2

TRN 08/30/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 11.

Standards Used:
1=S17055 2=S17010

SAMPLE PREPARATION SUMMARY

Batch # : 295632
Started By : EPL
Method : 3572M
Spike #1 ID : S17205
Prep Date : 24-AUG-2022 13:45
Spike #2 ID : S17022
Analysis : 8080
Finished By : EPL
Units : dm2

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
467767-001		Wipe	1	20	1	20.0		1				PCB	
467769-004		Wipe	1	20	1	20.0		1				PCB	
467771-001		Wipe	1	20	1	20.0		1				PCB	
467771-003		Wipe	1	20	1	20.0		1				PCB	
467771-005		Wipe	1	20	1	20.0		1				PCB	
467771-007		Wipe	1	20	1	20.0		1				PCB	
467774-001		Wipe	1	20	1	20.0		1				PCB	
467774-003		Wipe	1	20	1	20.0		1				PCB	
467774-005		Wipe	1	20	1	20.0		1				PCB	
467774-007		Wipe	1	20	1	20.0		1				PCB	
467872-039		Wipe	1	20	1	20.0		1				PCB	
467872-041		Wipe	1	20	1	20.0		1				PCB	
467872-044		Wipe	1	20	1	20.0		1				PCB	
467872-046		Wipe	1	20	1	20.0		1				PCB	
467872-048		Wipe	1	20	1	20.0		1				PCB	
QC1008494	BLANK	Wipe	1	10	1	10.0		.5				8080	
QC1008495	BS	Wipe	1	10	1	10.0		.5	.5			8080	
QC1008496	BSD	Wipe	1	10	1	10.0		.5	.5			8080	

TRN 08/29/22 : BS/D verify the batch

Analyst: TRN Date: 08/29/22 Reviewer: SLL Date: 08/29/22

8081/8082 Prep Log

Date/Time: 8/24/22 13:45 Initials: EPL

3572M 1-5-23 MAG

608 QC Batch#:

Matrix: WIPE Prep Method: ~~3580~~ Balance ID: N/A

8081 QC Batch #:

8082 QC Batch #: 295632

Sample ID	Cont. ID	Sample Initial Amount Circle one: mL g	pH is 5-9?	Extraction Equipment ID (Sox, Sonic., Shaker)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Witness ID	Comment
Blank		1 dm²	N/A	SH3	N/A	10.0			500 µL SURROGATE
LCS		↓	↓	↓	↓	↓			↓
LCSD									
467872-039	A					20.0			
-041	A								
-044	A								
-046	A								
-048	A								
467767-001	A								
467769-004	A								
467771-001	A								
-003	A								
-005	A								
-007	A								
467774-001	A								
-003	A								
-005	A								
-007	A	↓	↓	↓	↓	↓			

Methylene Chloride Lot: N/A

Exchange Solvent (Hexane) ID: 220771

Acetone-Hexane Mix ID: N/A

Sodium Sulfate Lot: N/A

Baked Sand Lot: N/A

Surrogate ID: ~~S12E1~~ 8/24 S17305 Volume: 1000 µL

Pest LCS Spike ID: N/A Volume: N/A µL

PCB LCS Spike ID: S17022 Volume: 500 µL

Pest MS/MSD Spike ID: N/A Volume: N/A µL

PCB MS/MSD Spike ID: N/A Volume: N/A µL

SAMPLE PREPARATION SUMMARY

Batch # : 295971 Analysis : 8080
Started By : EPL Prep Date : 30-AUG-2022 07:40 Finished By : EPL
Method : 3572M Units : dm2
Spike #1 ID : S17205 Spike #2 ID : S17230

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
467769-001		Wipe	1	20	1	20.0		1				PCB	
QC1009630	BLANK	Wipe	1	10	1	10.0		.5				8080	
QC1009631	BS	Wipe	1	10	1	10.0		.5	.5			8080	
QC1009632	BSD	Wipe	1	10	1	10.0		.5	.5			8080	

TRN 08/30/22 : BS/D verify the batch

Analyst: TRN Date: 08/30/22 Reviewer: LW Date: 08/30/22

8081/8082 Prep Log

Date/Time: 8/30/22 7:40 Initials: EPL

608 QC Batch#:

3572M 1-5-23 MAG

8081 QC Batch #:

Matrix: WIPE Prep Method: ~~3580~~ Balance ID: N/A

8082 QC Batch #: 295971

Sample ID	Cont. ID	Sample Initial Amount Circle one: mL g	pH is 5-9?	Extraction Equipment ID (Sox, Sonic., Shaker)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Witness ID	Comment
Blank		dm²	N/A	SH3	N/A	10.0			500µL SURROGATE
LCS		↓	↓	↓	↓	↓			↓
LCSD		↓	↓	↓	↓	↓			↓
467769-001	A	↓	↓	↓	↓	20.0			

Methylene Chloride Lot: N/A

Exchange Solvent (Hexane) ID: 221411

Acetone-Hexane Mix ID: N/A

Sodium Sulfate Lot: N/A

Baked Sand Lot: N/A

Surrogate ID: 517205 Volume: 1000 µL

Pest LCS Spike ID: N/A Volume: N/A µL

PCB LCS Spike ID: 517230 Volume: 500 µL

Pest MS/MSD Spike ID: N/A Volume: N/A µL

PCB MS/MSD Spike ID: ↓ Volume: ↓ µL

REPORTING SUMMARY FOR 467769 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
467769-001	Aroclor-1016	SVOA-GC06	B	08/30/22 16:57
467769-001	Aroclor-1221	SVOA-GC06	B	08/30/22 16:57
467769-001	Aroclor-1232	SVOA-GC06	B	08/30/22 16:57
467769-001	Aroclor-1242	SVOA-GC06	B	08/30/22 16:57
467769-001	Aroclor-1248	SVOA-GC06	B	08/30/22 16:57
467769-001	Aroclor-1254	SVOA-GC06	B	08/30/22 16:57
467769-001	Aroclor-1260	SVOA-GC06	B	08/30/22 16:57
467769-001	Aroclor-1262	SVOA-GC06	B	08/30/22 16:57
467769-001	Aroclor-1268	SVOA-GC06	B	08/30/22 16:57
467769-001	TCMX (PCB)	SVOA-GC06	B	08/30/22 16:57
467769-001	Decachlorobiphenyl (PCB)	SVOA-GC06	B	08/30/22 16:57
467769-004	Aroclor-1016	SVOA-GC06	A	08/26/22 18:27
467769-004	Aroclor-1221	SVOA-GC06	A	08/26/22 18:27
467769-004	Aroclor-1232	SVOA-GC06	A	08/26/22 18:27
467769-004	Aroclor-1242	SVOA-GC06	A	08/26/22 18:27
467769-004	Aroclor-1248	SVOA-GC06	A	08/26/22 18:27
467769-004	Aroclor-1254	SVOA-GC06	A	08/26/22 18:27
467769-004	Aroclor-1260	SVOA-GC06	A	08/26/22 18:27
467769-004	Aroclor-1262	SVOA-GC06	A	08/26/22 18:27
467769-004	Aroclor-1268	SVOA-GC06	A	08/26/22 18:27
467769-004	TCMX (PCB)	SVOA-GC06	A	08/26/22 18:27
467769-004	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/26/22 18:27
QC1008494	Aroclor-1016	SVOA-GC06	A	08/26/22 17:17
QC1008494	Aroclor-1221	SVOA-GC06	A	08/26/22 17:17
QC1008494	Aroclor-1232	SVOA-GC06	A	08/26/22 17:17
QC1008494	Aroclor-1242	SVOA-GC06	A	08/26/22 17:17
QC1008494	Aroclor-1248	SVOA-GC06	A	08/26/22 17:17
QC1008494	Aroclor-1254	SVOA-GC06	A	08/26/22 17:17
QC1008494	Aroclor-1260	SVOA-GC06	A	08/26/22 17:17
QC1008494	Aroclor-1262	SVOA-GC06	A	08/26/22 17:17
QC1008494	Aroclor-1268	SVOA-GC06	A	08/26/22 17:17
QC1008494	TCMX (PCB)	SVOA-GC06	A	08/26/22 17:17
QC1008494	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/26/22 17:17
QC1009630	Aroclor-1016	SVOA-GC06	B	08/30/22 16:04
QC1009630	Aroclor-1221	SVOA-GC06	B	08/30/22 16:04
QC1009630	Aroclor-1232	SVOA-GC06	B	08/30/22 16:04
QC1009630	Aroclor-1242	SVOA-GC06	B	08/30/22 16:04
QC1009630	Aroclor-1248	SVOA-GC06	B	08/30/22 16:04
QC1009630	Aroclor-1254	SVOA-GC06	B	08/30/22 16:04
QC1009630	Aroclor-1260	SVOA-GC06	B	08/30/22 16:04
QC1009630	Aroclor-1262	SVOA-GC06	B	08/30/22 16:04
QC1009630	Aroclor-1268	SVOA-GC06	B	08/30/22 16:04
QC1009630	TCMX (PCB)	SVOA-GC06	B	08/30/22 16:04
QC1009630	Decachlorobiphenyl (PCB)	SVOA-GC06	B	08/30/22 16:04
QC1008495	Aroclor-1016	SVOA-GC06	A	08/26/22 17:35
QC1008495	Aroclor-1260	SVOA-GC06	A	08/26/22 17:35
QC1008495	TCMX (PCB)	SVOA-GC06	A	08/26/22 17:35
QC1008495	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/26/22 17:35
QC1008496	Aroclor-1016	SVOA-GC06	A	08/26/22 17:52

REPORTING SUMMARY FOR 467769 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
QC1008496	Aroclor-1260	SVOA-GC06	A	08/26/22 17:52
QC1008496	TCMX (PCB)	SVOA-GC06	A	08/26/22 17:52
QC1008496	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/26/22 17:52
QC1009631	Aroclor-1016	SVOA-GC06	B	08/30/22 16:21
QC1009631	Aroclor-1260	SVOA-GC06	B	08/30/22 16:21
QC1009631	TCMX (PCB)	SVOA-GC06	B	08/30/22 16:21
QC1009631	Decachlorobiphenyl (PCB)	SVOA-GC06	B	08/30/22 16:21
QC1009632	Aroclor-1016	SVOA-GC06	B	08/30/22 16:39
QC1009632	Aroclor-1260	SVOA-GC06	B	08/30/22 16:39
QC1009632	TCMX (PCB)	SVOA-GC06	B	08/30/22 16:39
QC1009632	Decachlorobiphenyl (PCB)	SVOA-GC06	B	08/30/22 16:39

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	467769-001	Client ID:	AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-P-WF
Seqnum:	452349374011	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_083022011	Batch:	295971	Time:	30-AUG-2022 16:57
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	21.58	ND	1.5	109%	1.0		u
Aroclor-1016 Peak # 1	B	30.93	0.62	0.76	20%			
Aroclor-1016 Peak # 2	B	8.248	0.16	0.01	167%			
Aroclor-1016 Peak # 3	B	65.09	1.30	0.05	186%			
Aroclor-1016 Peak # 4	B	3.057	0.06	2.96	192%			
Aroclor-1016 Peak # 5	B	0.5868	0.01	3.54	199%			
Aroclor-1221	B		ND			1.0		u
Aroclor-1232	B		ND			1.0		u
Aroclor-1242	B		ND			1.0		u
Aroclor-1248	B		ND			1.0		u
Aroclor-1254	B		ND			1.0		u
Aroclor-1260	B	6.516	ND	0.43	107%	1.0		u
Aroclor-1260 Peak # 1	B	0.3127	0.01	0.48	195%			
Aroclor-1260 Peak # 2	B	6.526	0.13	0.00	191%			
Aroclor-1260 Peak # 3	B	7.887	0.16	0.02	156%			
Aroclor-1260 Peak # 4	B	8.029	0.16	0.20	21%			
Aroclor-1260 Peak # 5	B	9.827	0.20	1.47	153%			
Aroclor-1262	B		ND			1.0		u
Aroclor-1268	B		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	39.59	1.000	0.7918	79	52-186	u
Decachlorobiphenyl (PCB)	B	32.24	1.000	0.6448	64	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_083022002)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5237900	5329585	1.75
1-bromo-2-nitrobenzene (PCB)	A	1298245	1185942	-8.65

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

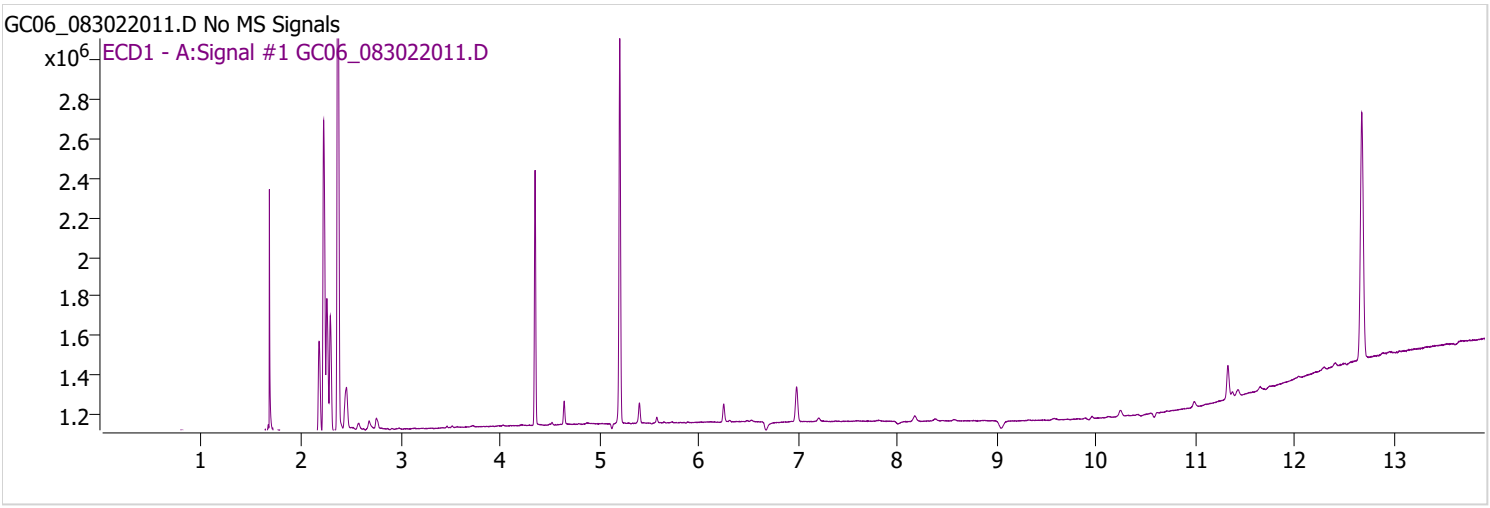
ISTD (CCV gc06_083022002)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.12	-0.01
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

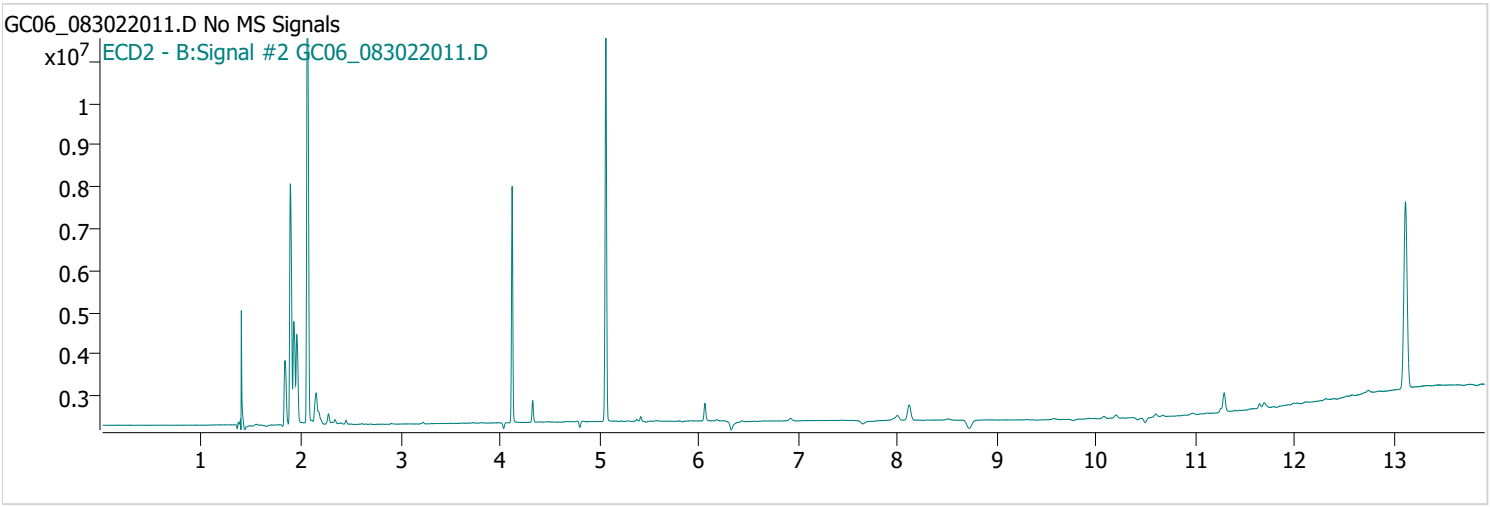
Analyst: TRN 08/30/22

Reviewer: LW 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_083022011.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/30/2022 4:57:17 PM
Sample Name	467769-001, 295971, 1	Instrument	SVOA-GC06
Vial	4	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	083022PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



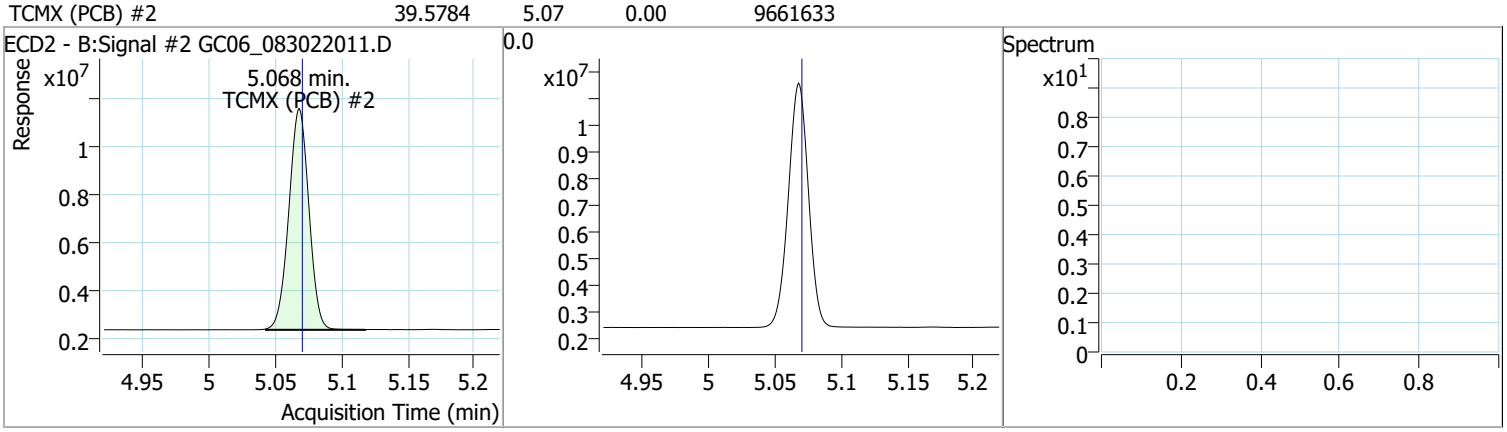


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.124	0.0	5329585.246	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB)	4.355	0.0	1185942.103	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB) #2	5.068	0.0	9661632.985	39.5784	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 197.89%		*	
S TCMX (PCB)	5.208	0.0	2187034.284	38.3393	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 191.70%		*	
S Decachlorobiphenyl (PCB)	12.678	0.0	2581228.004	28.6255	ng/ml		-0.028
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 143.13%			
S Decachlorobiphenyl (PCB) #2	13.118	0.0	10365642.515	32.2316	ng/ml		-0.012
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 161.16%		*	
Target Compounds							QValue

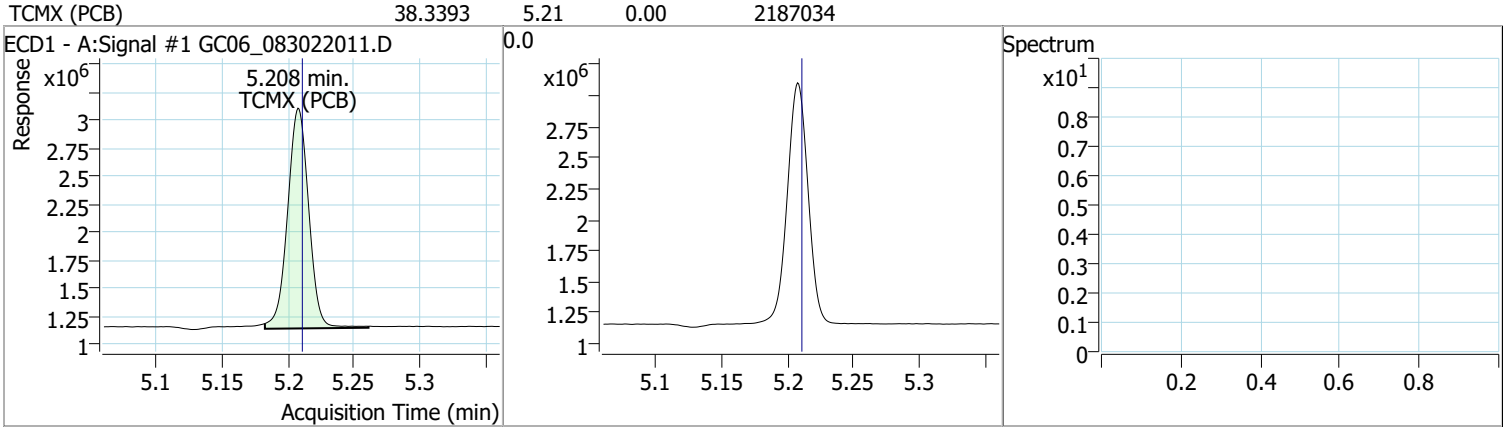
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.577	0.0	154307.790	30.9172	ng/ml	100
T AR1016 1	5.582	0.0	43805.782	37.7617	ng/ml	100
T AR1016 2 #2	5.928	0.0	85409.093	8.2461	ng/ml	100
T AR1016 2	5.917	0.0	1891.542	0.7489	ng/ml	100
T AR1016 3 #2	6.438	0.0	888870.756	65.0732	ng/ml	100
T AR1016 3	6.316	0.0	6925.783	2.3298	ng/ml	100
T AR1016 4	6.536	0.0	329375.740	148.0609	ng/ml	100
T AR1016 4 #2	6.551	0.0	28319.677	3.0559	ng/ml	100
T AR1016 5	6.988	0.0	304538.216	176.9722	ng/ml	100
T AR1016 5 #2	7.199	0.0	4250.505	0.5867	ng/ml	100
T AR1260 1	9.163	0.0	88697.855	23.7656	ng/ml	100
T AR1260 1 #2	9.537	0.0	5043.612	0.3127	ng/ml	100
T AR1260 2	9.606	0.0	830.938	0.1445	ng/ml	100
T AR1260 2 #2	9.933	0.0	121596.150	6.5240	ng/ml	100
T AR1260 3	10.069	0.0	5755.240	0.9631	ng/ml	100
T AR1260 3 #2	10.465	0.0	199659.788	7.8848	ng/ml	100
T AR1260 4	10.622	0.0	29428.560	9.9019	ng/ml	100
T AR1260 4 #2	10.979	0.0	109991.178	8.0272	ng/ml	100
T AR1260 5	11.331	0.0	288456.591	73.3324	ng/ml	100
T AR1260 5 #2	11.650	0.0	198472.034	9.8245	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

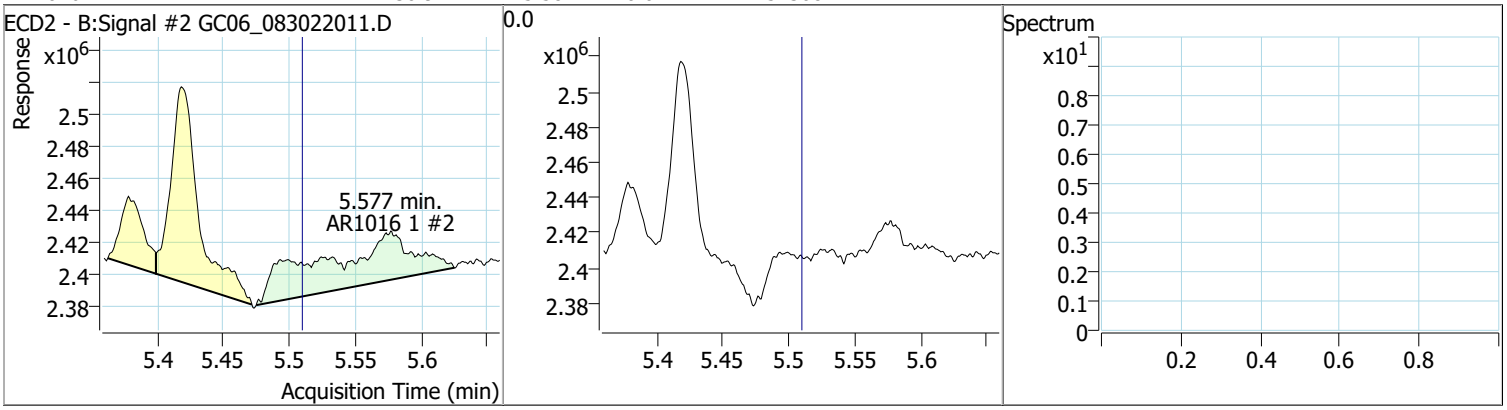
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	39.5784	5.07	0.00	9661633				



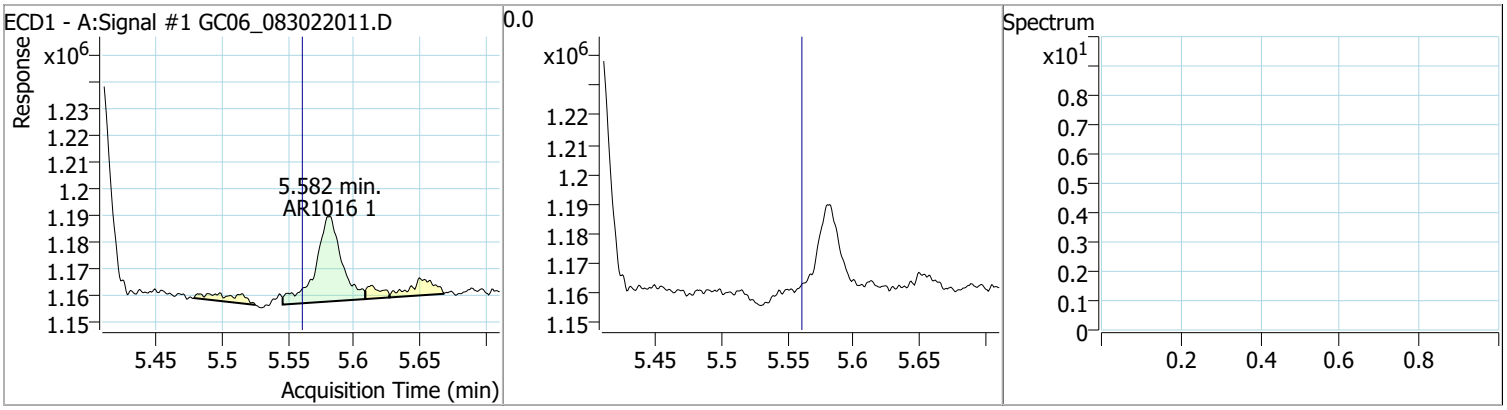
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	38.3393	5.21	0.00	2187034				



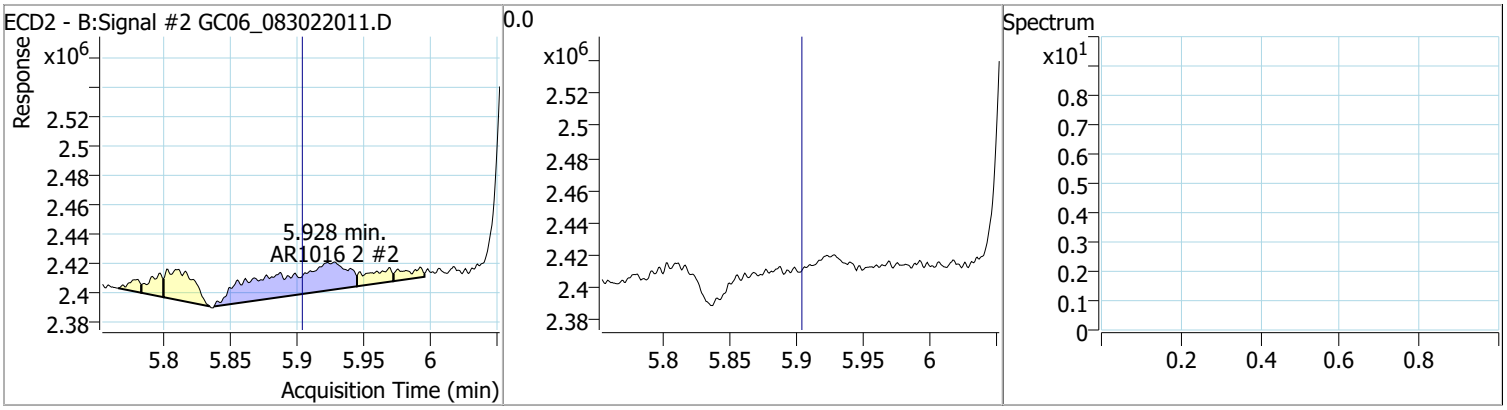
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	30.9172	5.58	0.07	154308				



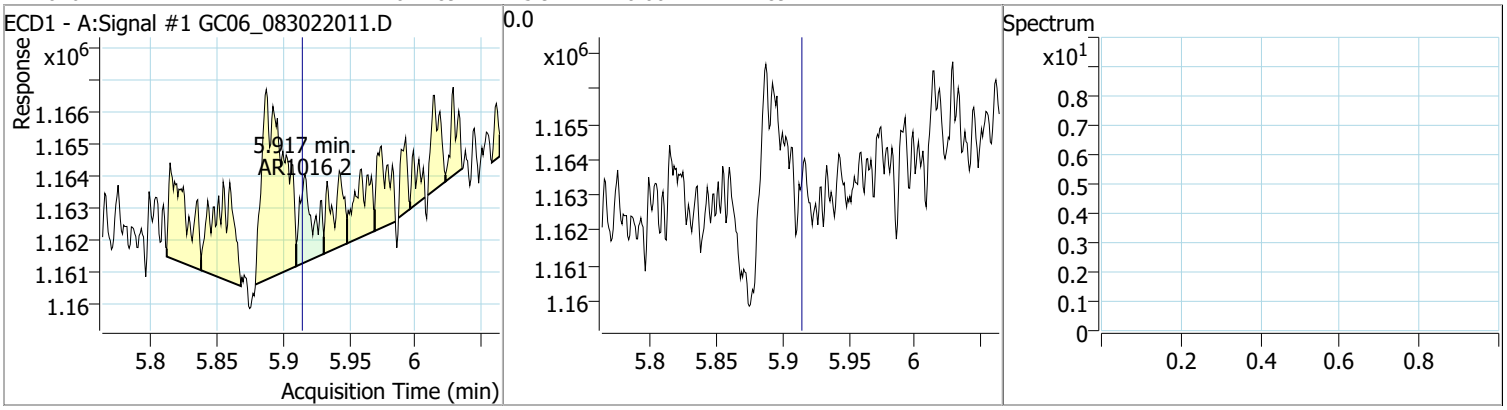
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	37.7617	5.58	0.02	43806				



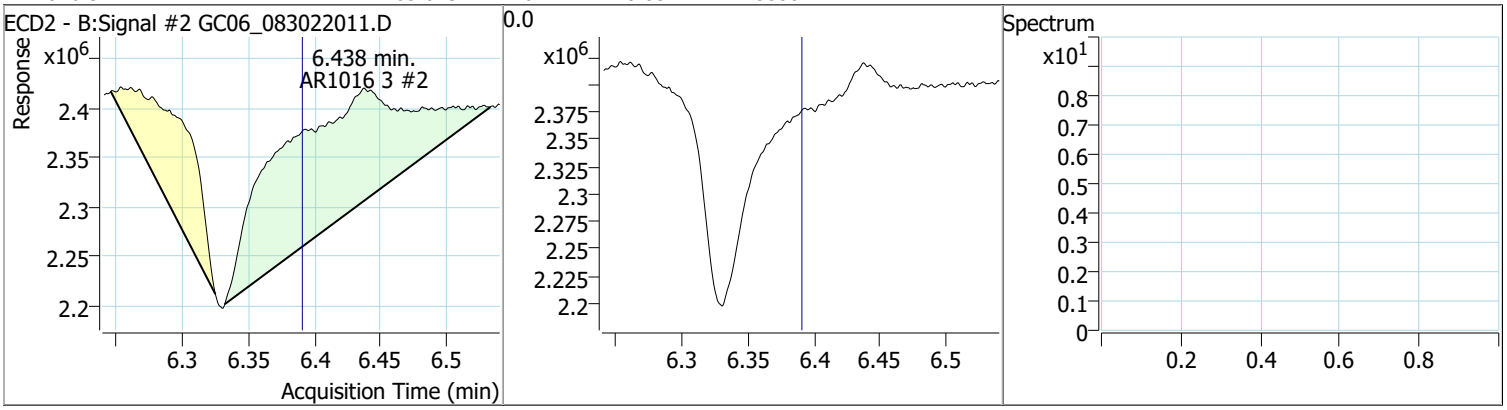
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	8.2461	5.93	0.02	85409				



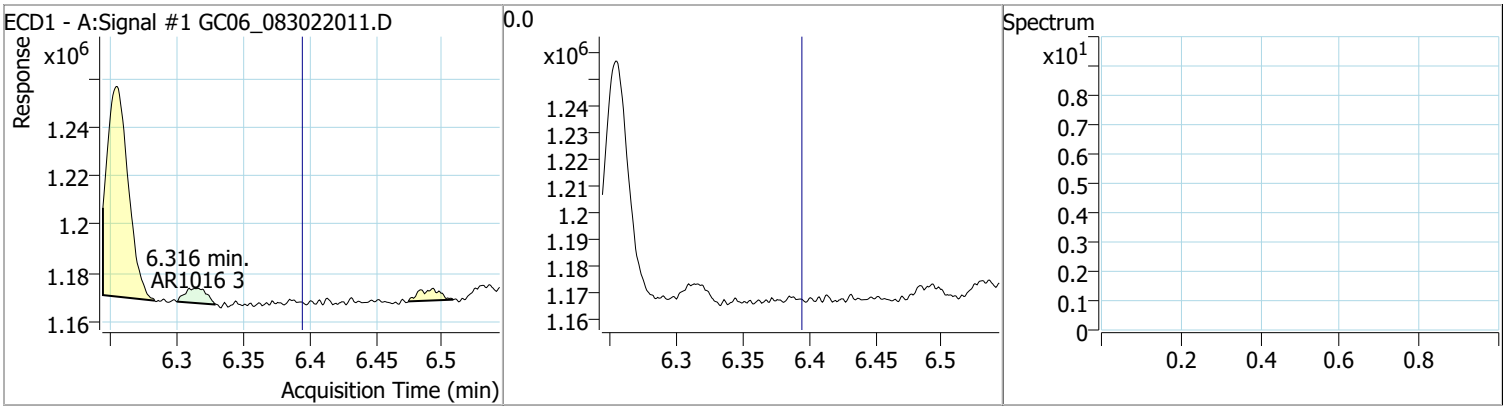
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.7489	5.92	0.00	1892				



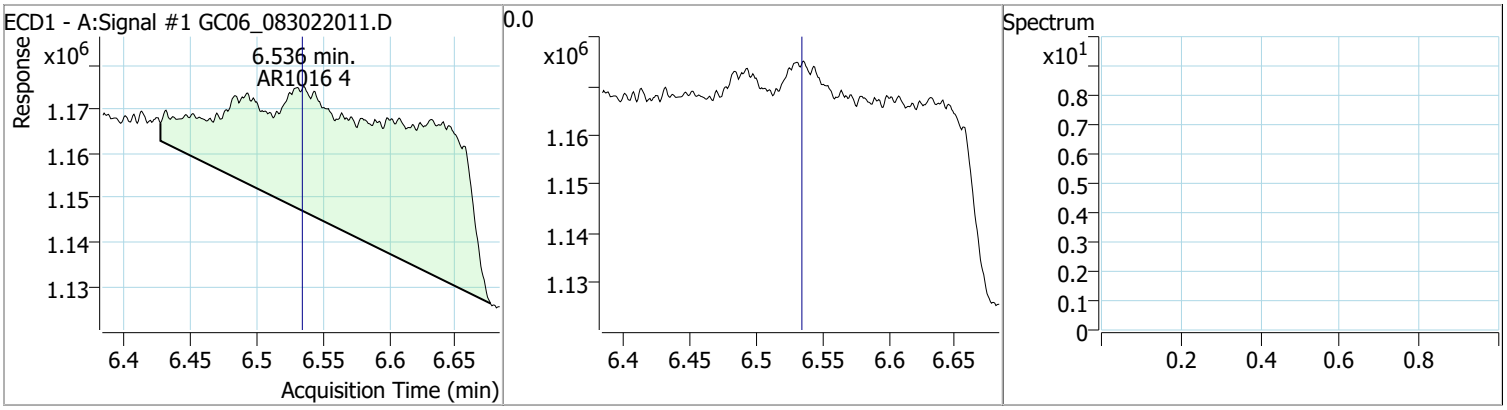
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	65.0732	6.44	0.05	888871				



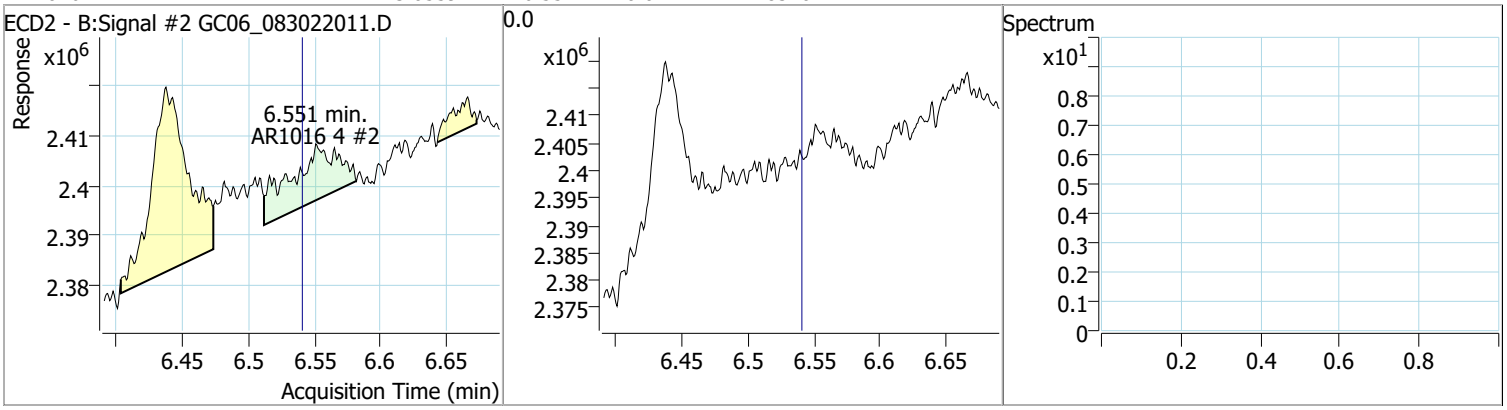
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	2.3298	6.32	-0.08	6926				



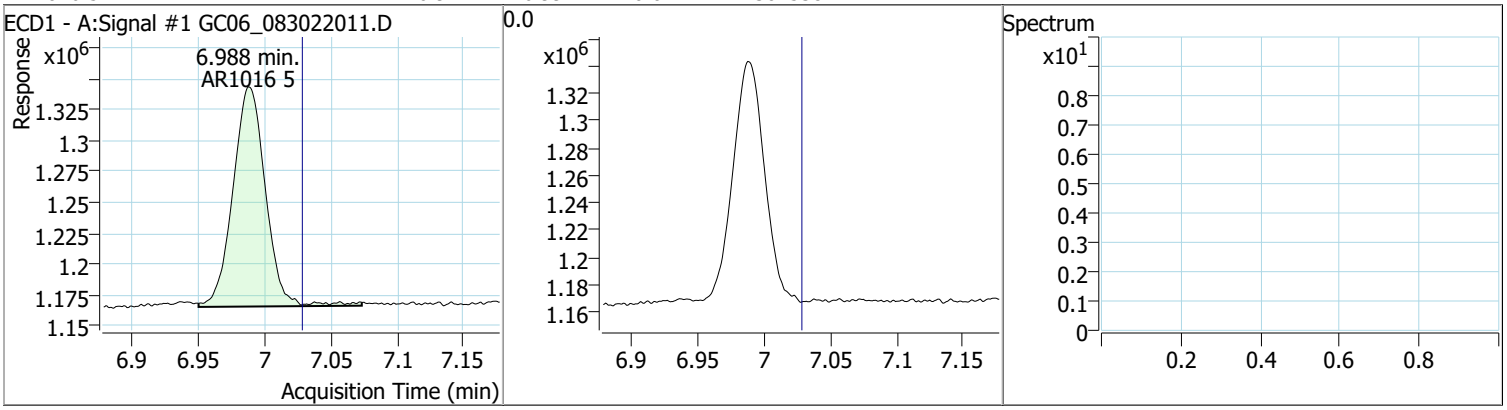
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	148.0609	6.54	0.00	329376				



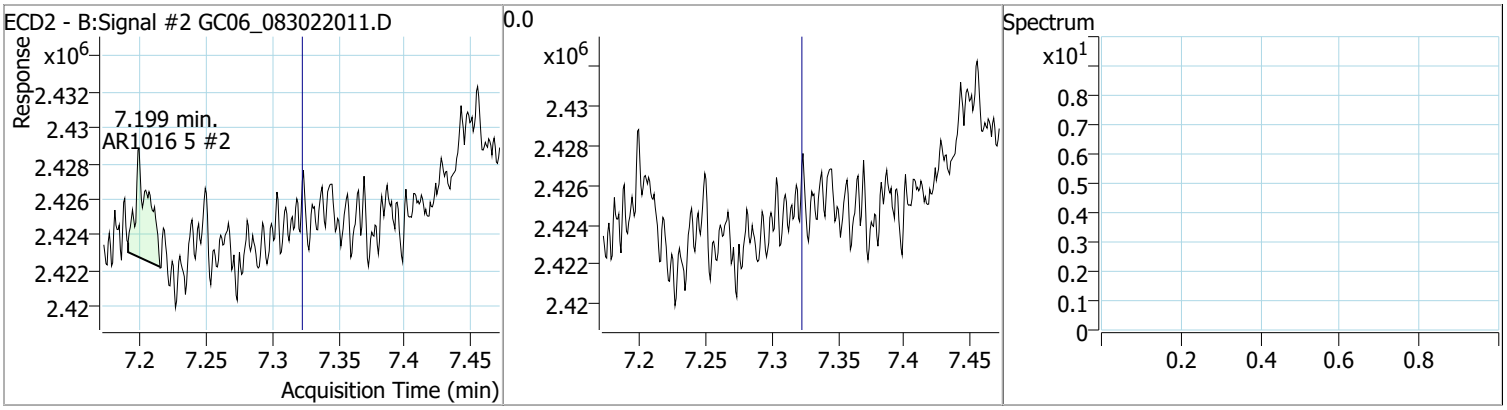
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	3.0559	6.55	0.01	28320				



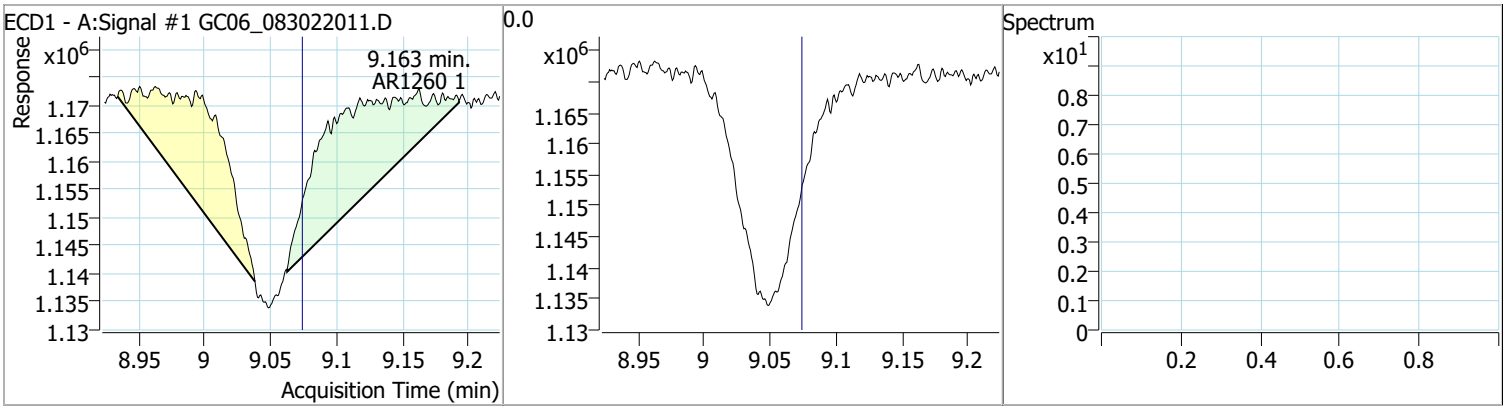
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	176.9722	6.99	-0.04	304538				



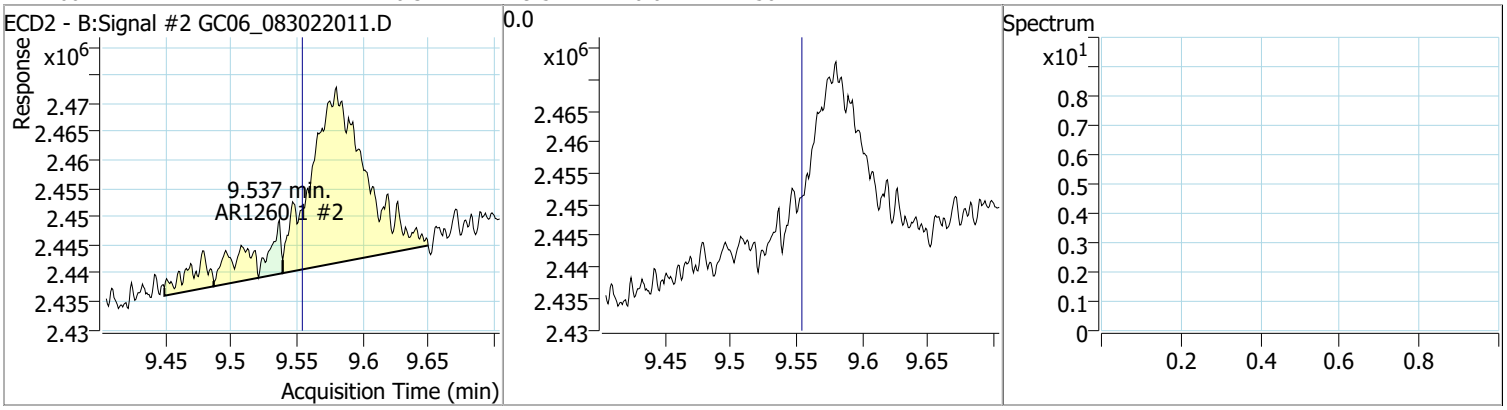
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.5867	7.20	-0.12	4251				



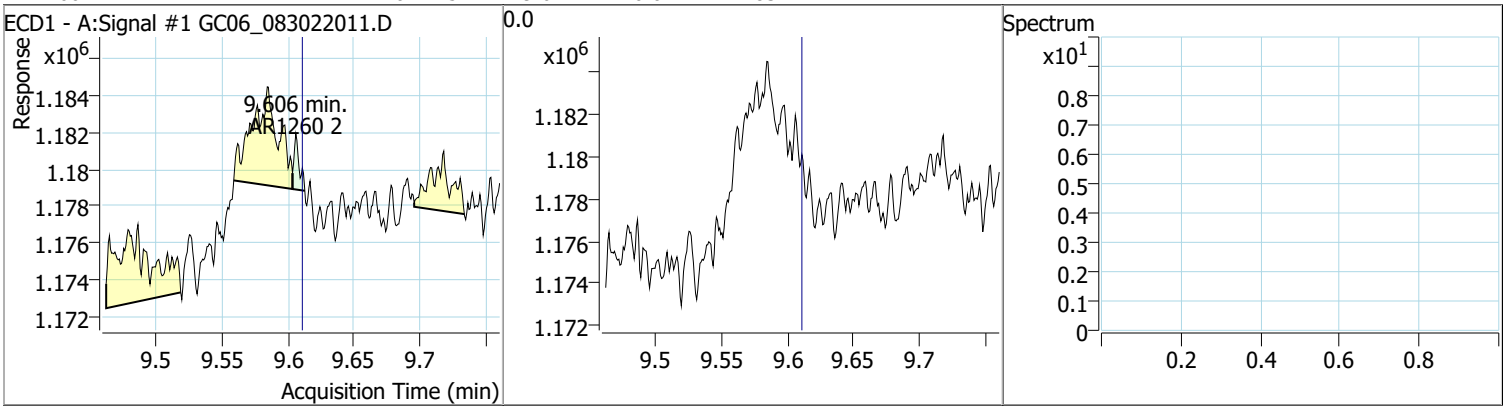
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	23.7656	9.16	0.09	88698				



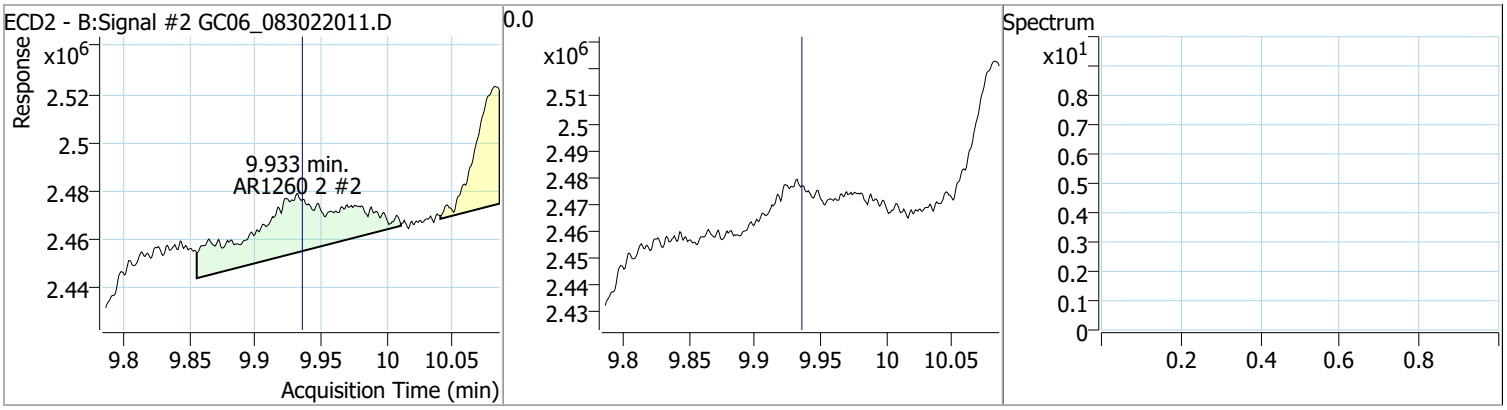
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	0.3127	9.54	-0.02	5044				



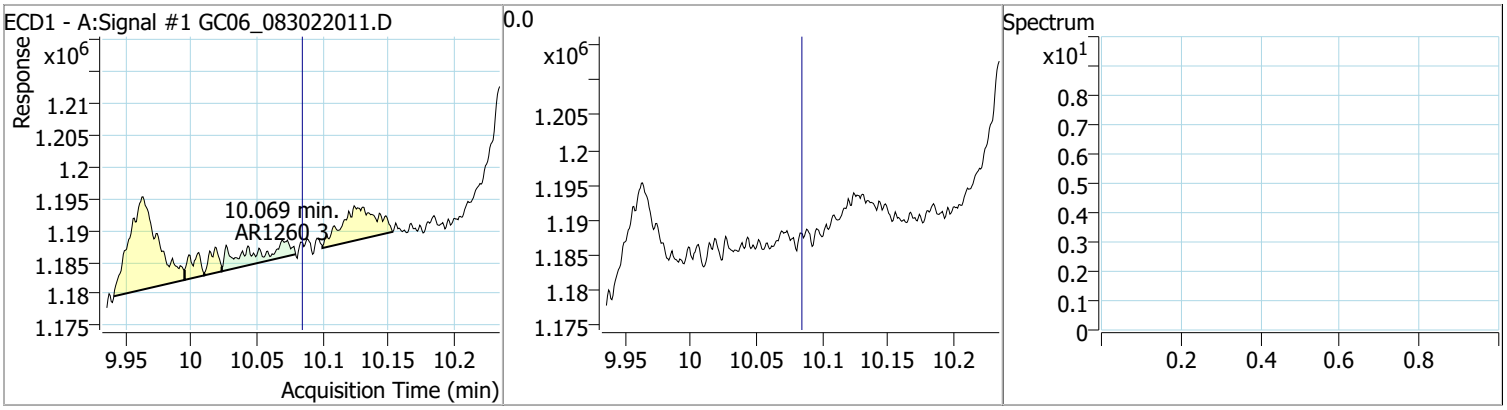
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.1445	9.61	-0.01	831				



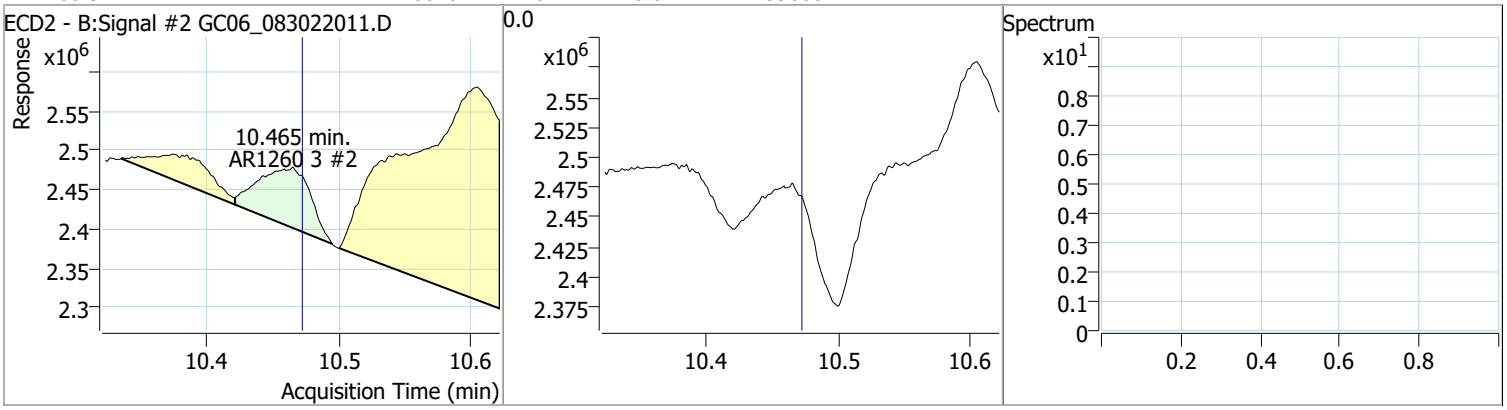
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	6.5240	9.93	0.00	121596				



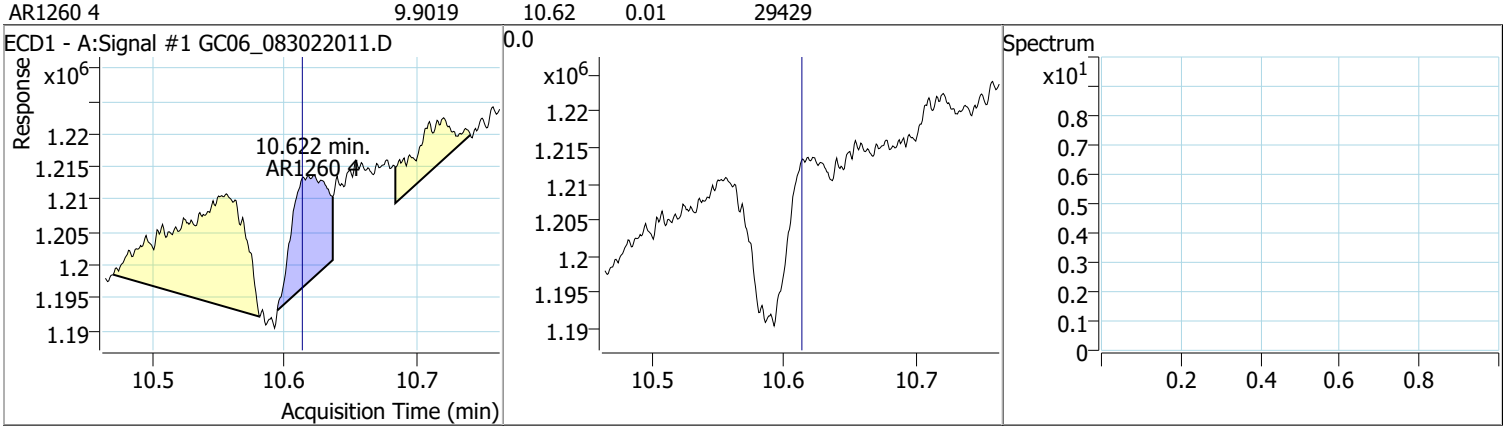
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	0.9631	10.07	-0.02	5755				



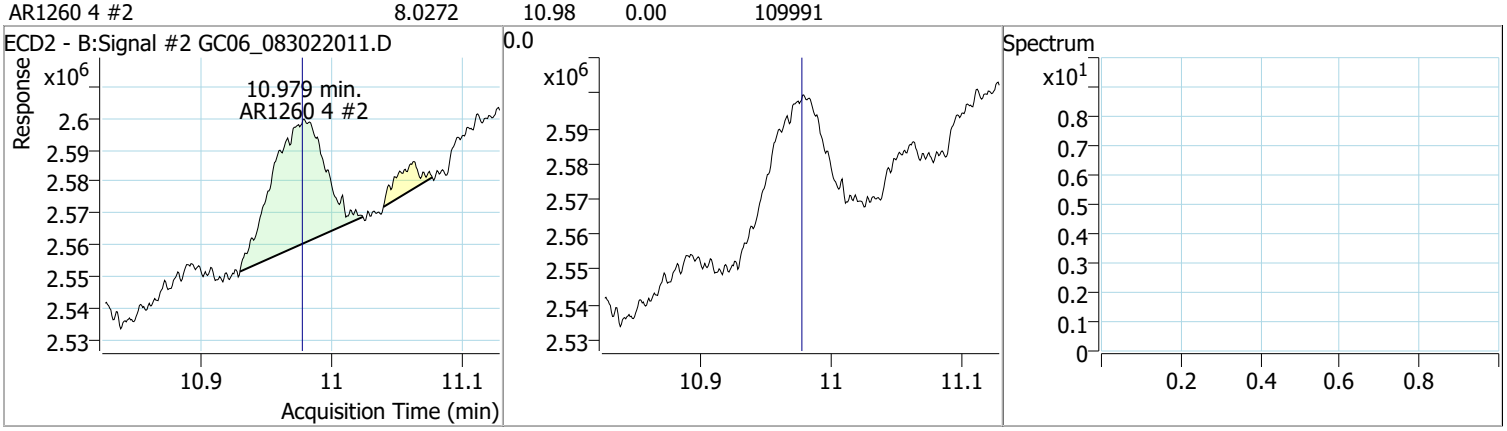
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	7.8848	10.47	-0.01	199660				



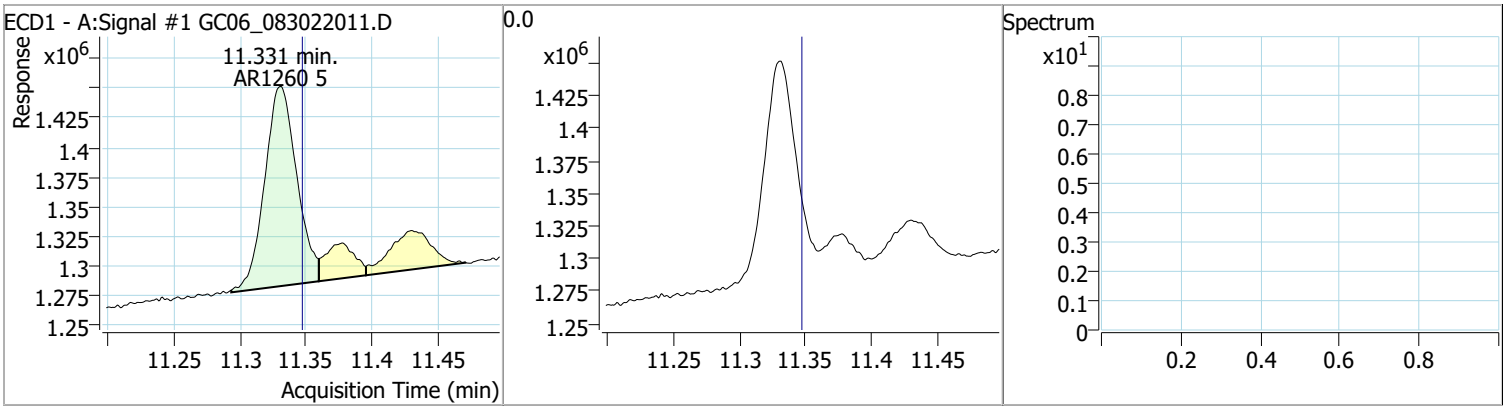
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	9.9019	10.62	0.01	29429				



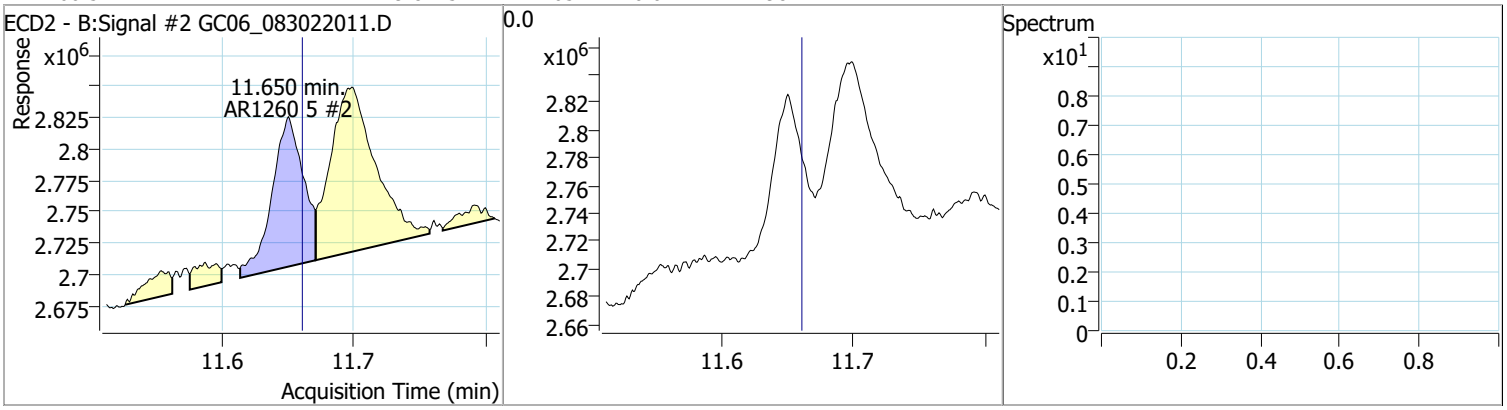
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	8.0272	10.98	0.00	109991				



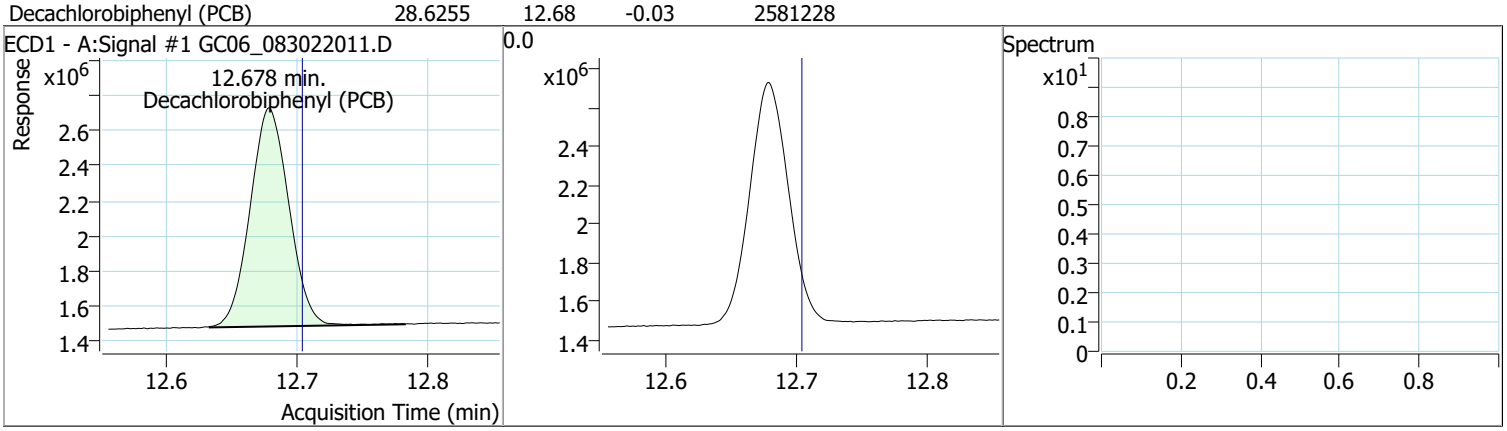
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	73.3324	11.33	-0.02	288457				



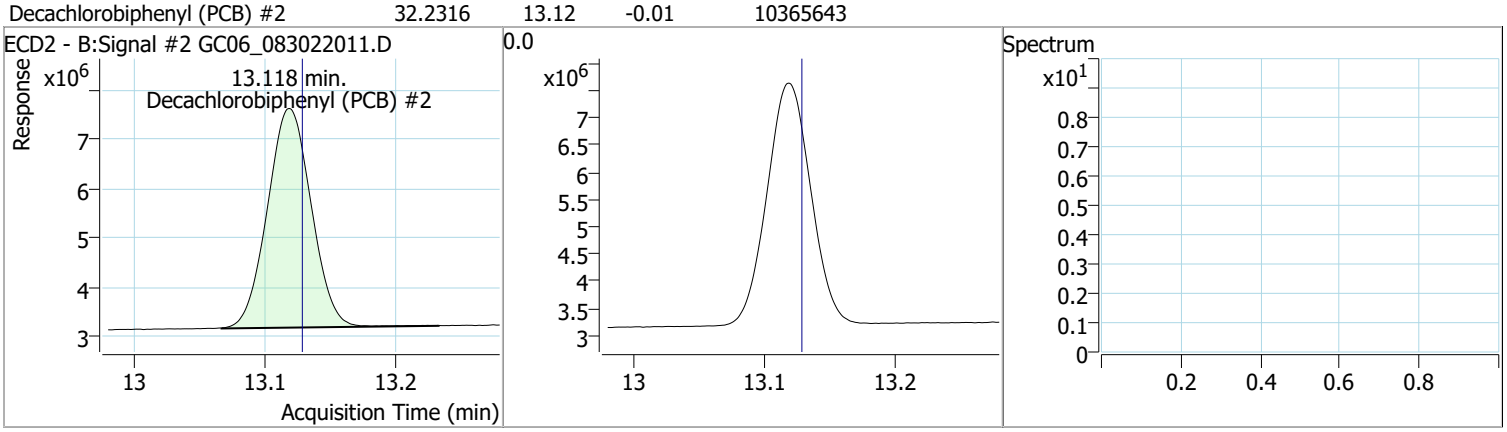
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	9.8245	11.65	-0.01	198472				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	28.6255	12.68	-0.03	2581228				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	32.2316	13.12	-0.01	10365643				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	467769-004	Client ID:	DOOR-N-0.1GE-EXT-5 TO 6-220822-P-CB
Seqnum:	452343556017	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_082622017	Batch:	295632	Time:	26-AUG-2022 18:27
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	71.28	~~1.4~~ ~~FP~~	0.33	125%	1.0		x u
Aroclor-1016 Peak # 1	A	48.70	0.97	0.16	144%			
Aroclor-1016 Peak # 2	A	3.597	0.07	0.17	80%			
Aroclor-1016 Peak # 3	A	3.256	0.07	1.22	180%			
Aroclor-1016 Peak # 4	A	175.2	3.50	0.10	189%			
Aroclor-1016 Peak # 5	A	125.6	2.51	0.00	199%			
Aroclor-1221	A		ND			1.0		u
Aroclor-1232	A		ND			1.0		u
Aroclor-1242	A		ND			1.0		u
Aroclor-1248	A		ND			1.0		u
Aroclor-1254	A		ND			1.0		u
Aroclor-1260	A	27.26	ND	0.19	95%	1.0		u
Aroclor-1260 Peak # 1	A	26.89	0.54	0.11	130%			
Aroclor-1260 Peak # 2	A	2.288	0.05	0.44	163%			
Aroclor-1260 Peak # 3	A	3.473	0.07	0.18	87%			
Aroclor-1260 Peak # 4	A	45.39	0.91	0.09	164%			
Aroclor-1260 Peak # 5	A	58.24	1.16	0.14	156%			
Aroclor-1262	A		ND			1.0		u
Aroclor-1268	A		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	45.33	1.000	0.9067	91	52-186	c+ u
Decachlorobiphenyl (PCB)	A	39.37	1.000	0.7874	79	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_082622002)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8218495	7173330	-12.72
1-bromo-2-nitrobenzene (PCB)	A	1919479	1417500	-26.15

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

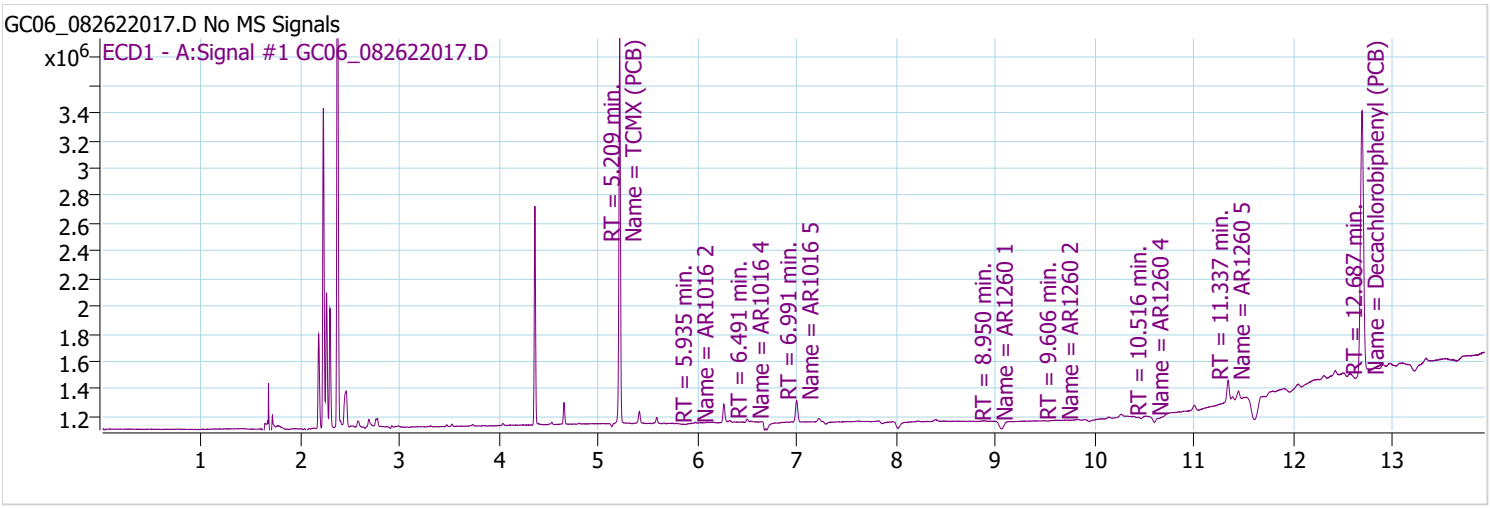
ISTD (CCV gc06_082622002)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.12	-0.01
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

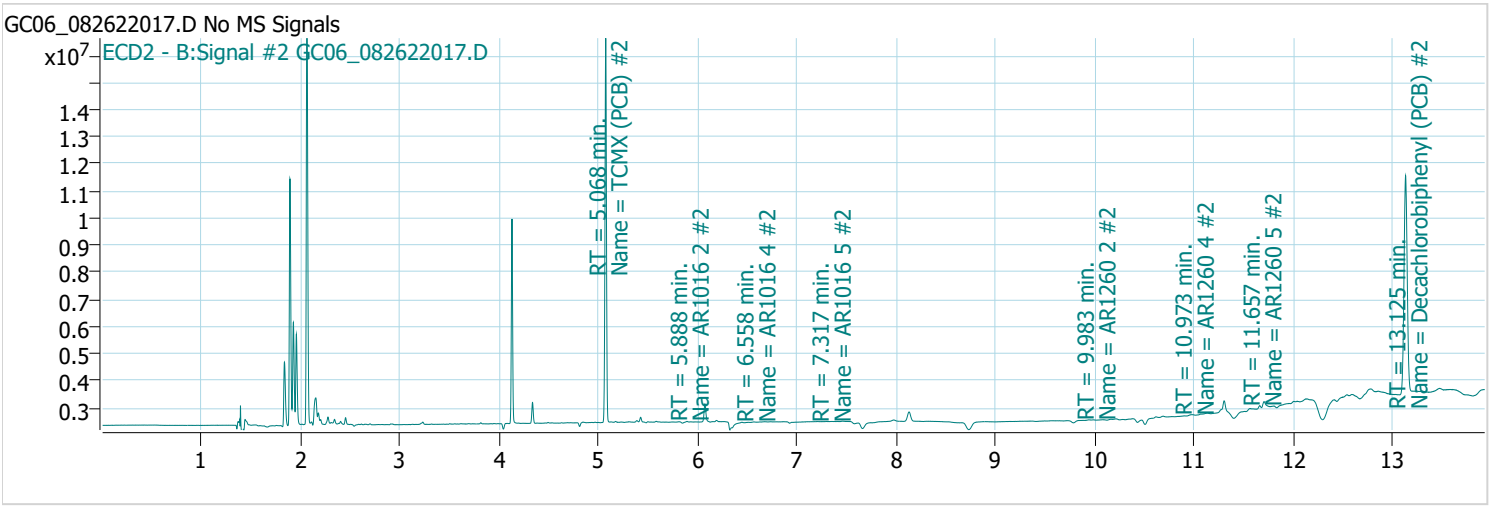
Analyst: TRN 08/29/22

Reviewer: SLL 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622017.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/26/2022 6:27:27 PM
Sample Name	467769-004, 295632, 1	Instrument	SVOA-GC06
Vial	7	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



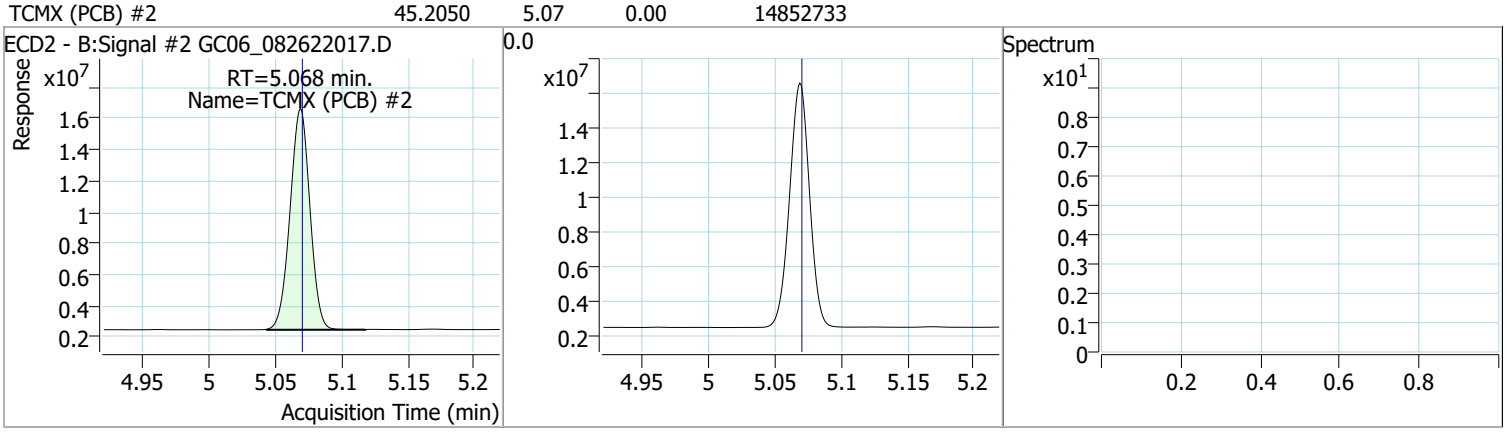


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.124	0.0	7173329.799	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB)	4.355	0.0	1417500.389	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB) #2	5.068	0.0	14852732.761	45.2050	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 226.03%		*	
S TCMX (PCB)	5.209	0.0	3090174.806	45.3223	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 226.61%		*	
S Decachlorobiphenyl (PCB)	12.687	0.0	4242195.260	39.3603	ng/ml		-0.019
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 196.80%		*	
S Decachlorobiphenyl (PCB) #2	13.125	0.0	18400064.996	42.5087	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 212.54%		*	
Target Compounds							QValue

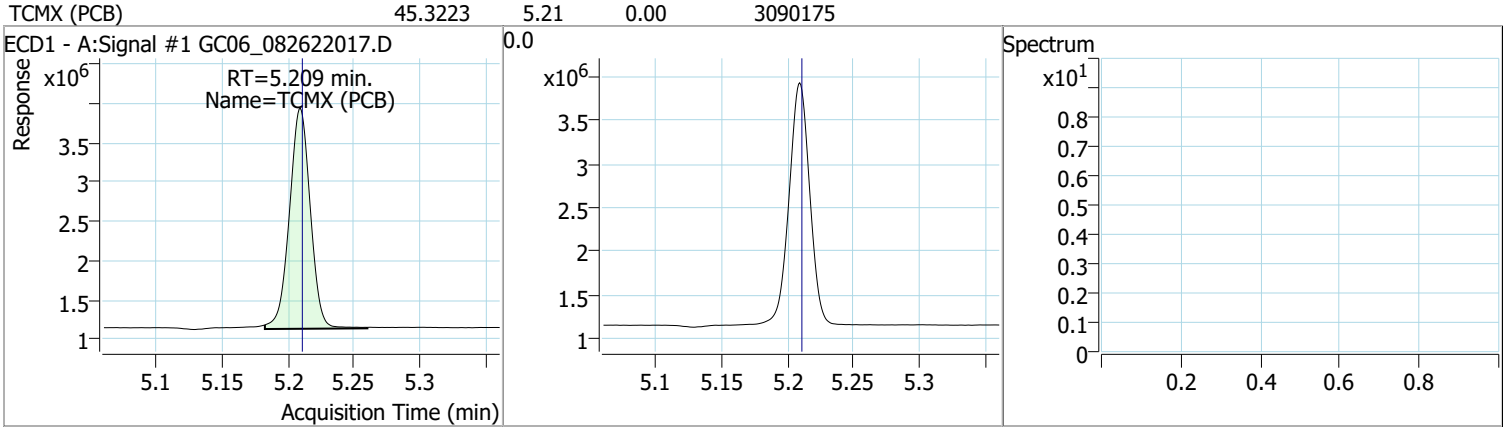
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.493	0.0	53721.184	7.9971	ng/ml	100
T AR1016 1	5.584	0.0	67508.009	48.6872	ng/ml	100
T AR1016 2 #2	5.888	0.0	117555.859	8.4326	ng/ml	100
T AR1016 2	5.935	0.0	10856.931	3.5961	ng/ml	100
T AR1016 3 #2	6.441	0.0	1123583.368	61.1141	ng/ml	100
T AR1016 3	6.318	0.0	11565.774	3.2551	ng/ml	100
T AR1016 4	6.491	0.0	465771.888	175.1711	ng/ml	100
T AR1016 4 #2	6.558	0.0	62007.583	4.9713	ng/ml	100
T AR1016 5	6.991	0.0	258315.923	125.5899	ng/ml	100
T AR1016 5 #2	7.317	0.0	1782.705	0.1828	ng/ml	100
T AR1260 1	8.950	0.0	119944.208	26.8877	ng/ml	100
T AR1260 1 #2	9.571	0.0	124499.774	5.7345	ng/ml	100
T AR1260 2	9.606	0.0	15714.033	2.2871	ng/ml	100
T AR1260 2 #2	9.983	0.0	558000.384	22.2434	ng/ml	100
T AR1260 3	10.130	0.0	24801.526	3.4723	ng/ml	100
T AR1260 3 #2	10.466	0.0	301287.731	8.8400	ng/ml	100
T AR1260 4	10.516	0.0	161216.364	45.3836	ng/ml	100
T AR1260 4 #2	10.973	0.0	82405.884	4.4682	ng/ml	100
T AR1260 5	11.337	0.0	273753.000	58.2257	ng/ml	100
T AR1260 5 #2	11.657	0.0	194891.712	7.1676	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

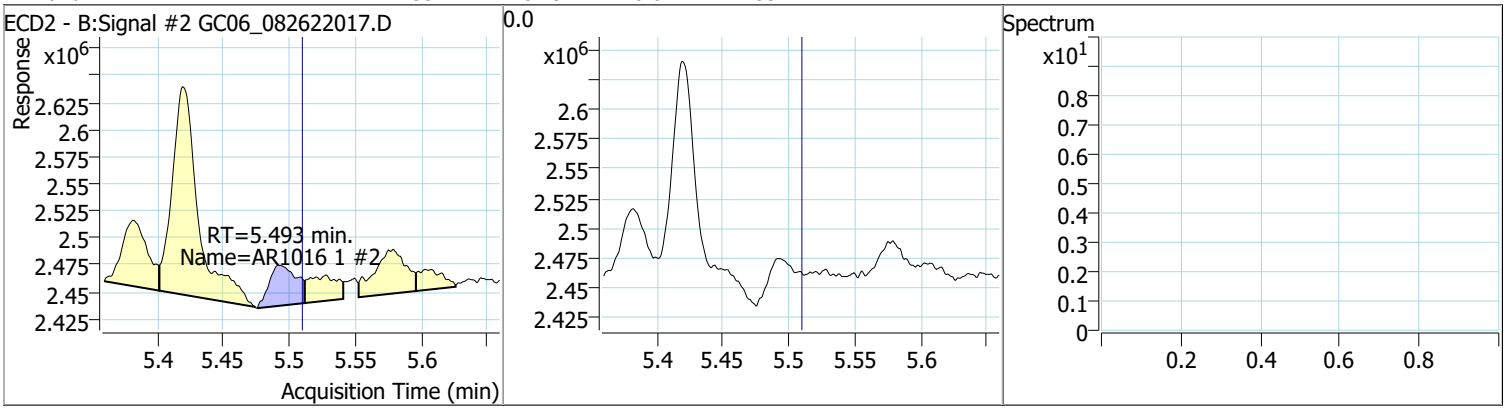
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	45.2050	5.07	0.00	14852733				



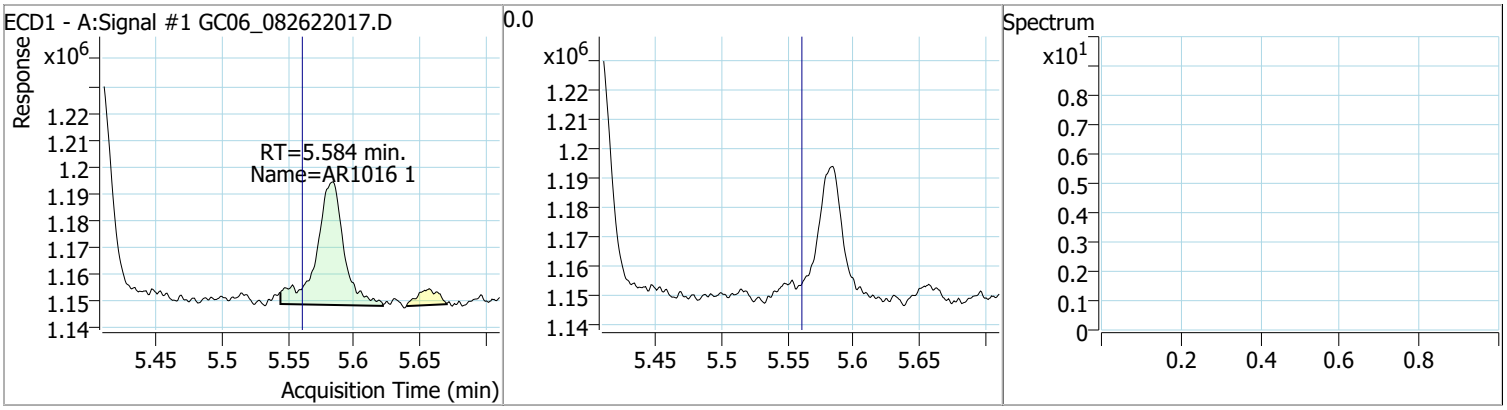
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	45.3223	5.21	0.00	3090175				



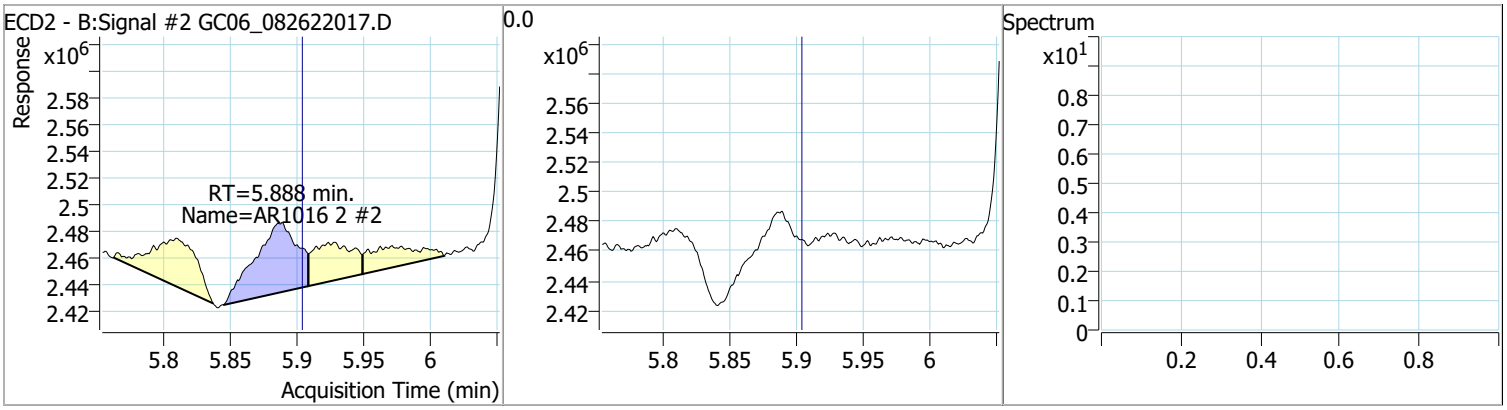
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	7.9971	5.49	-0.02	53721				



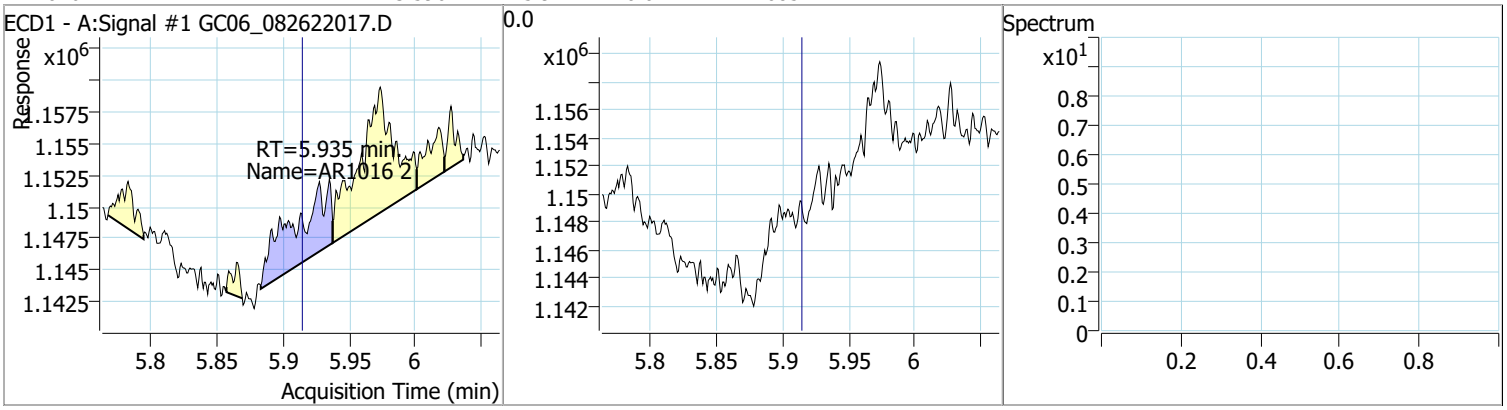
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	48.6872	5.58	0.02	67508				



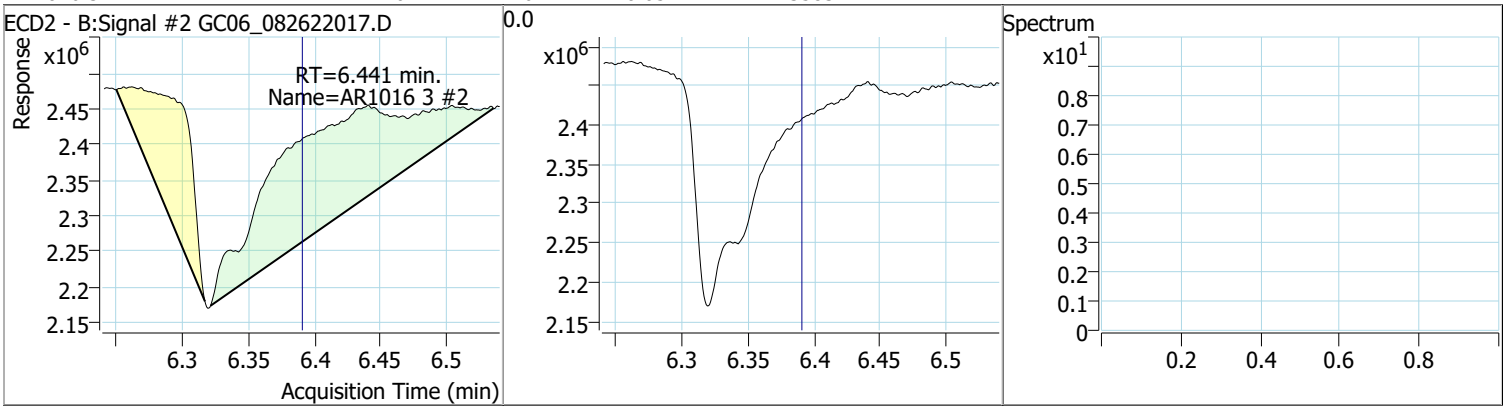
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	8.4326	5.89	-0.02	117556				



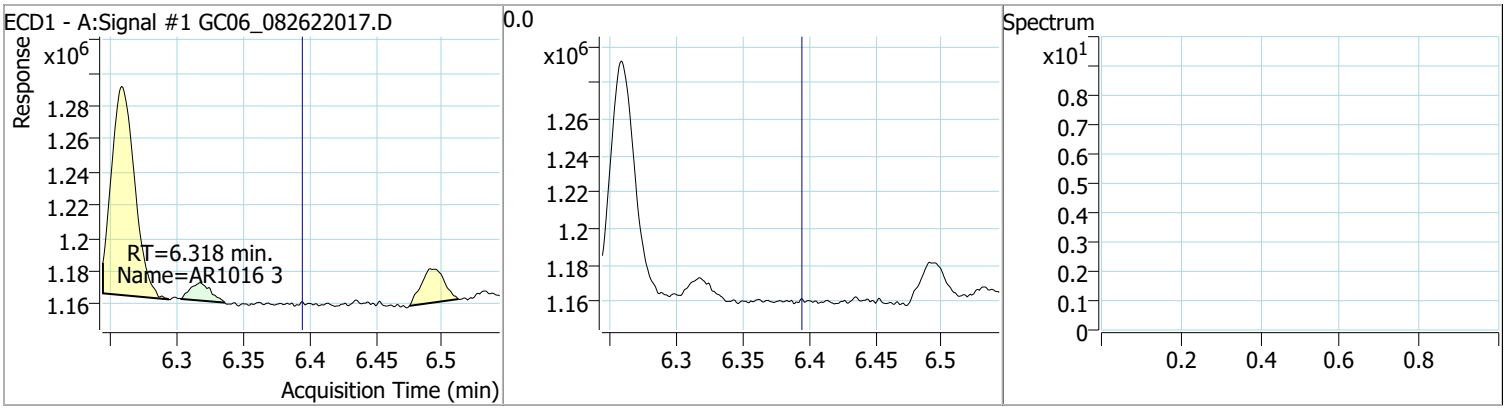
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	3.5961	5.94	0.02	10857				



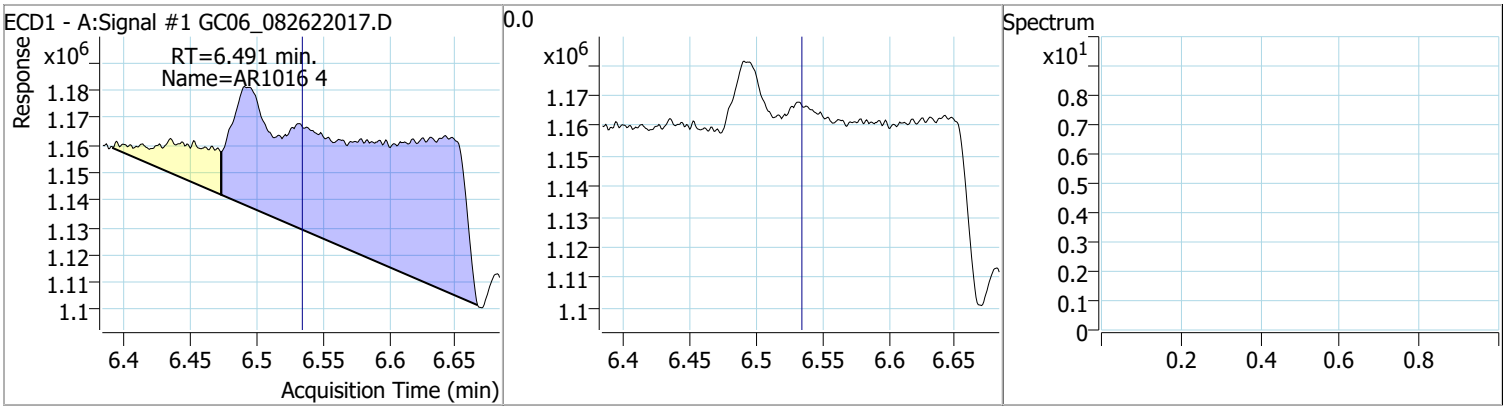
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	61.1141	6.44	0.05	1123583				



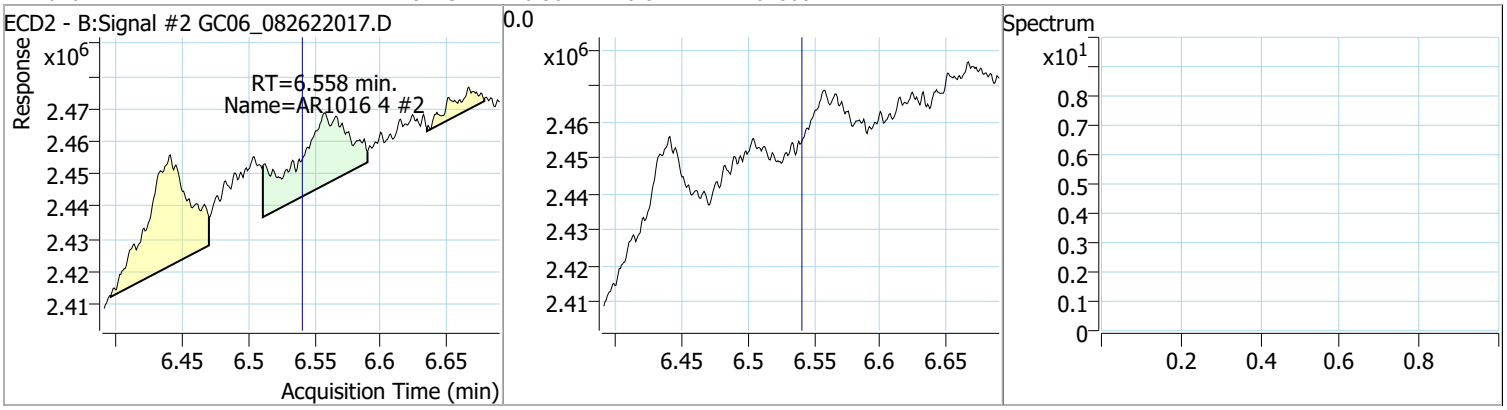
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	3.2551	6.32	-0.08	11566				



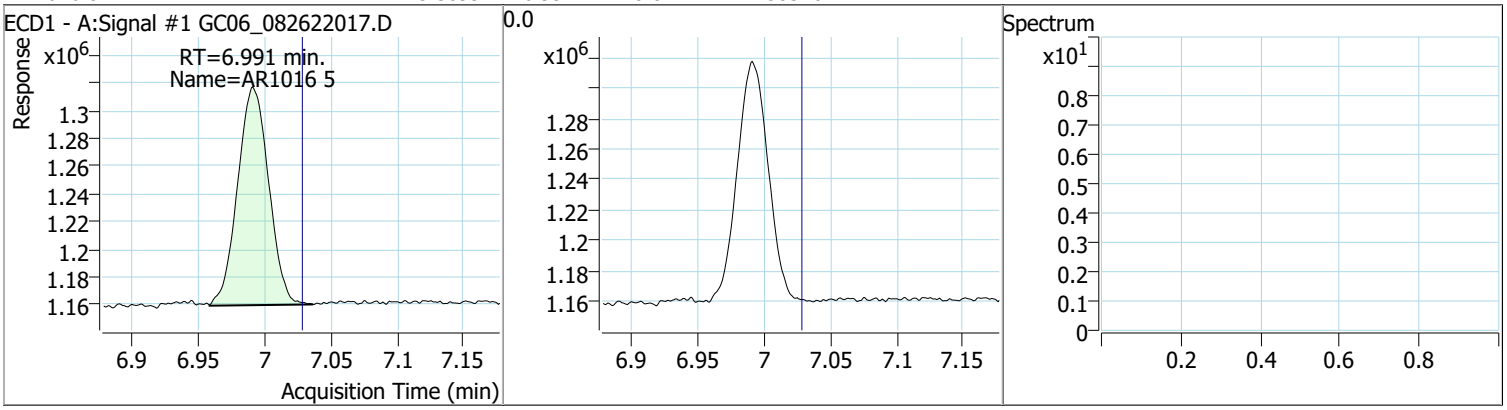
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	175.1711	6.49	-0.04	465772				



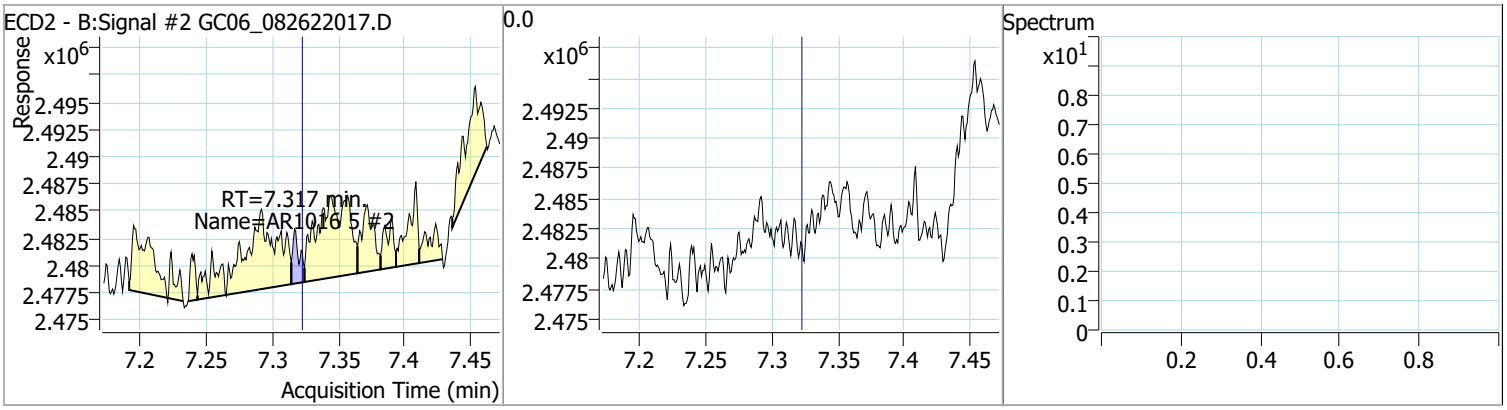
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	4.9713	6.56	0.02	62008				



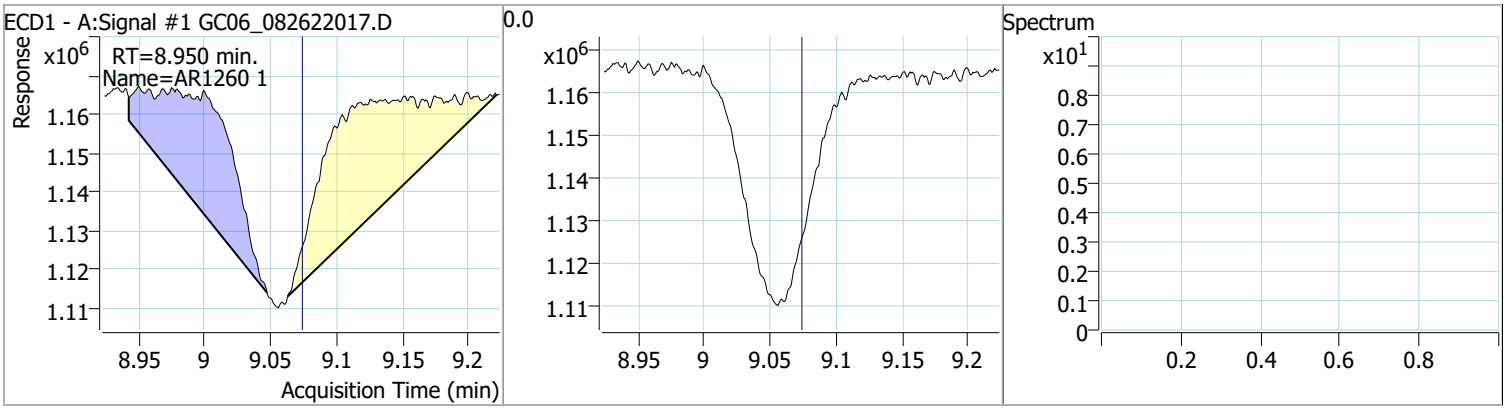
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	125.5899	6.99	-0.04	258316				



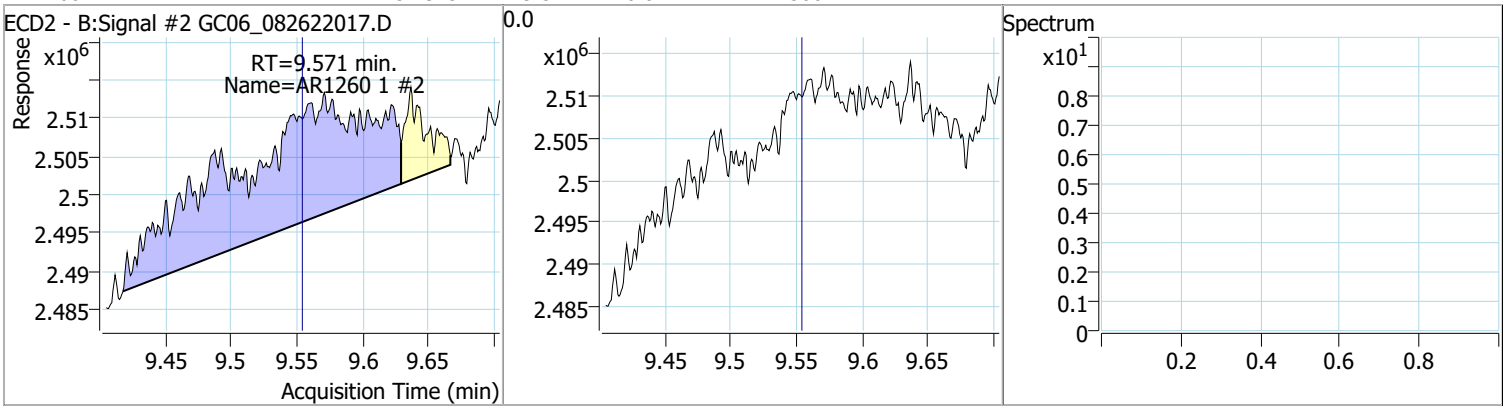
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.1828	7.32	-0.01	1783				



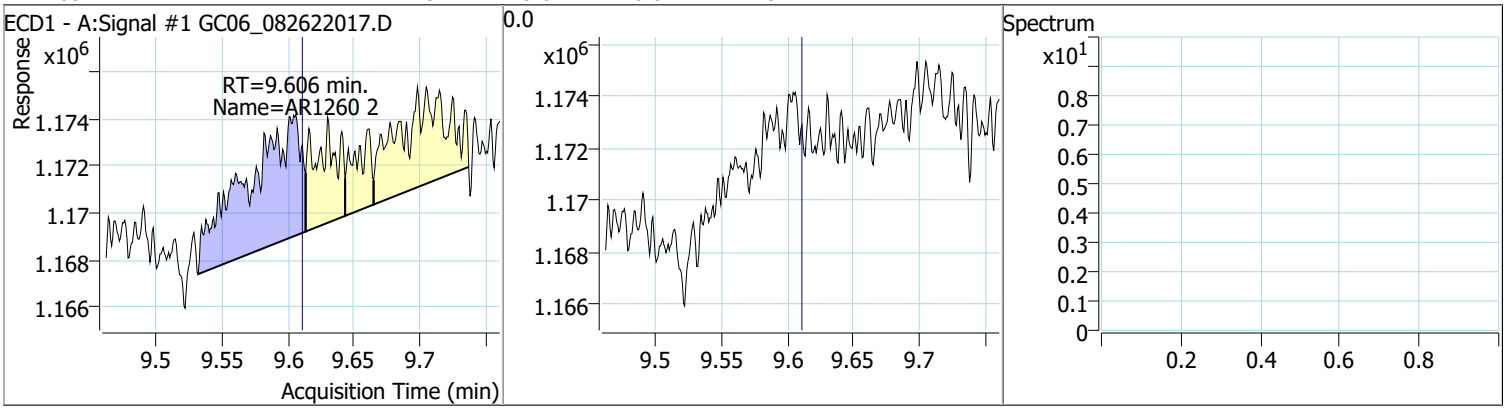
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	26.8877	8.95	-0.13	119944				



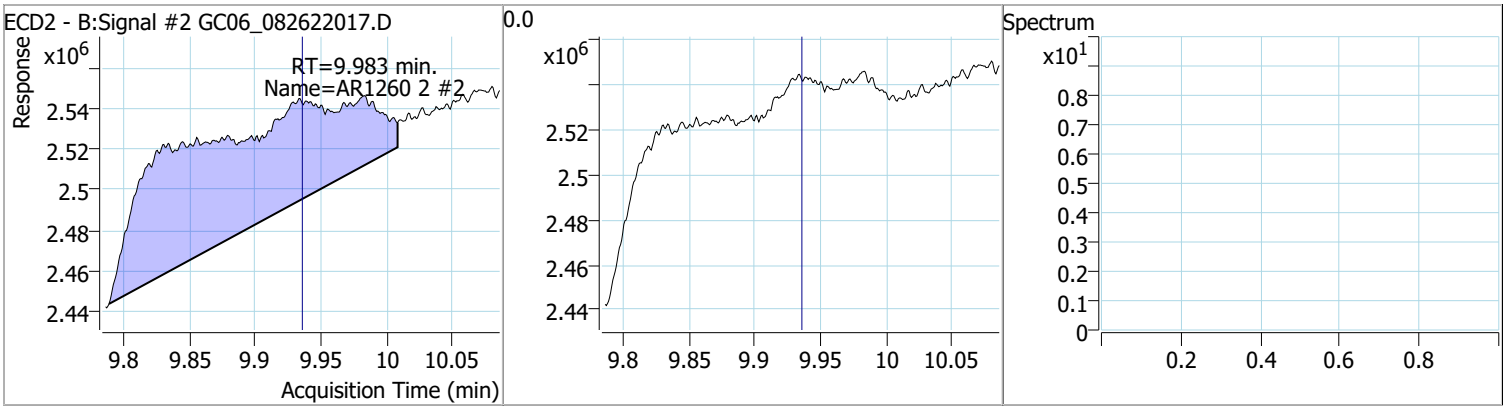
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	5.7345	9.57	0.02	124500				



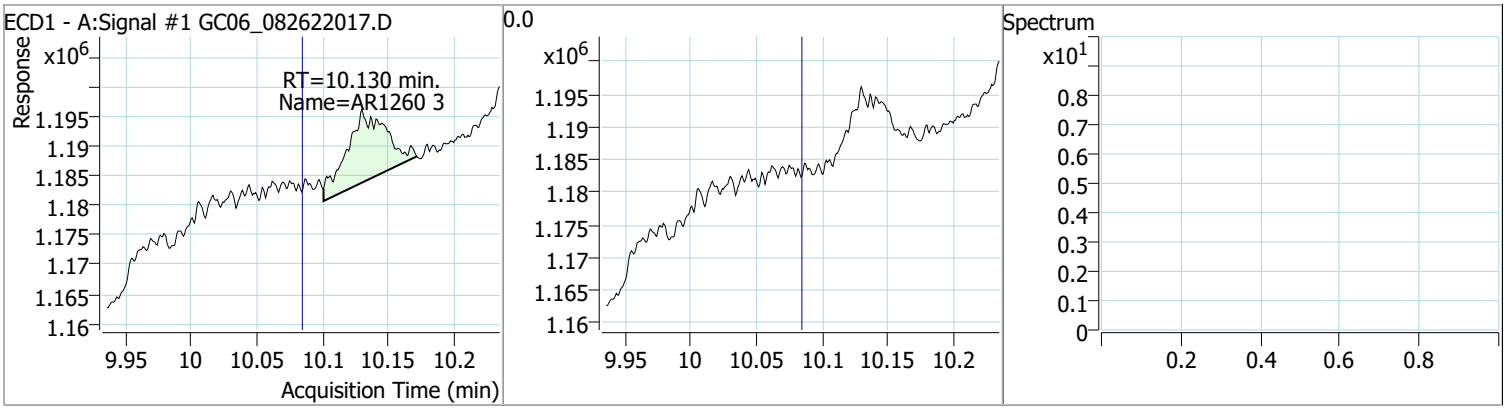
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2.2871	9.61	-0.01	15714				



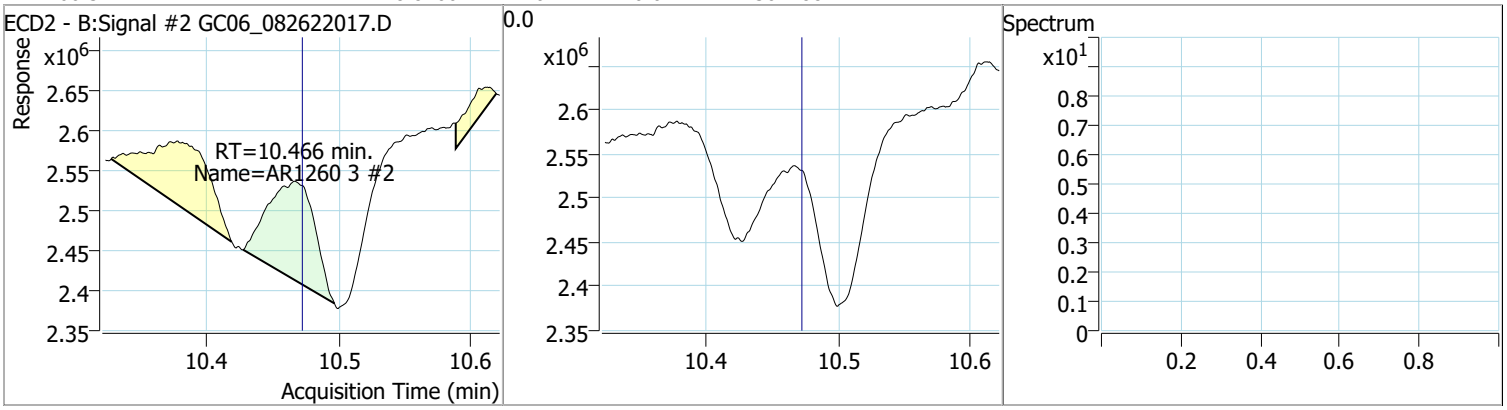
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	22.2434	9.98	0.05	558000				



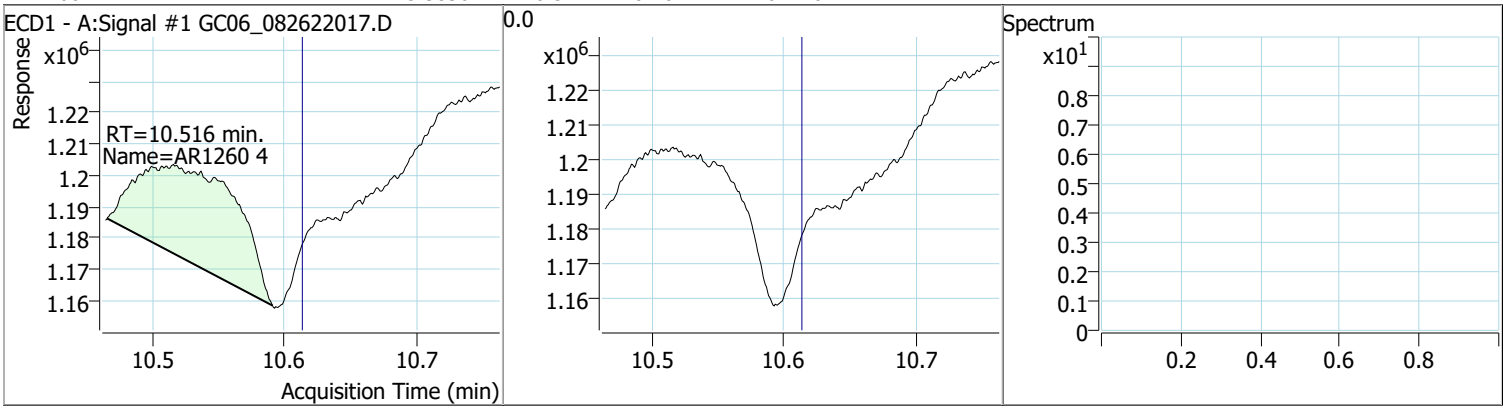
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	3.4723	10.13	0.04	24802				



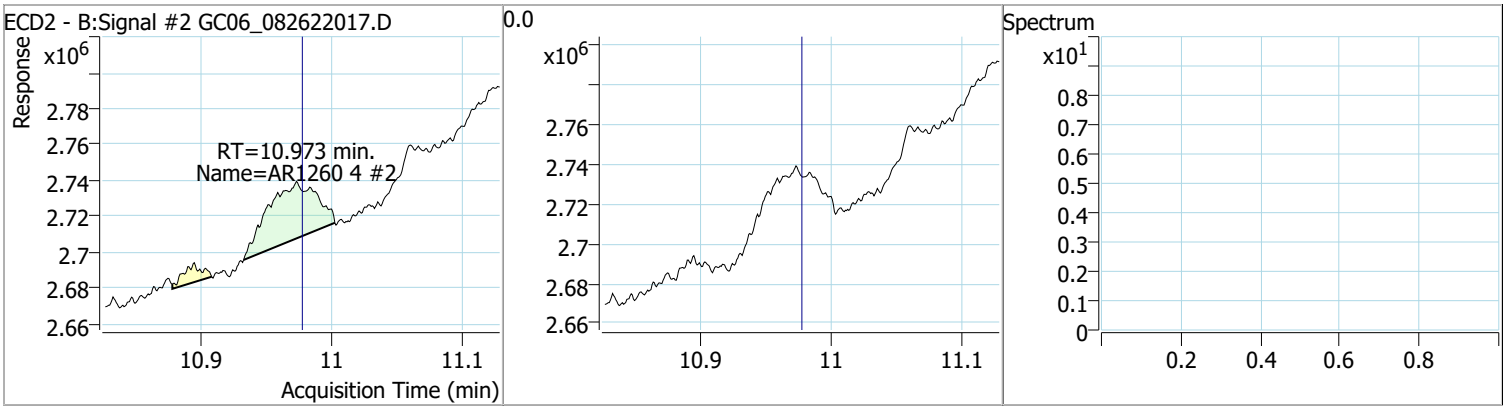
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	8.8400	10.47	-0.01	301288				



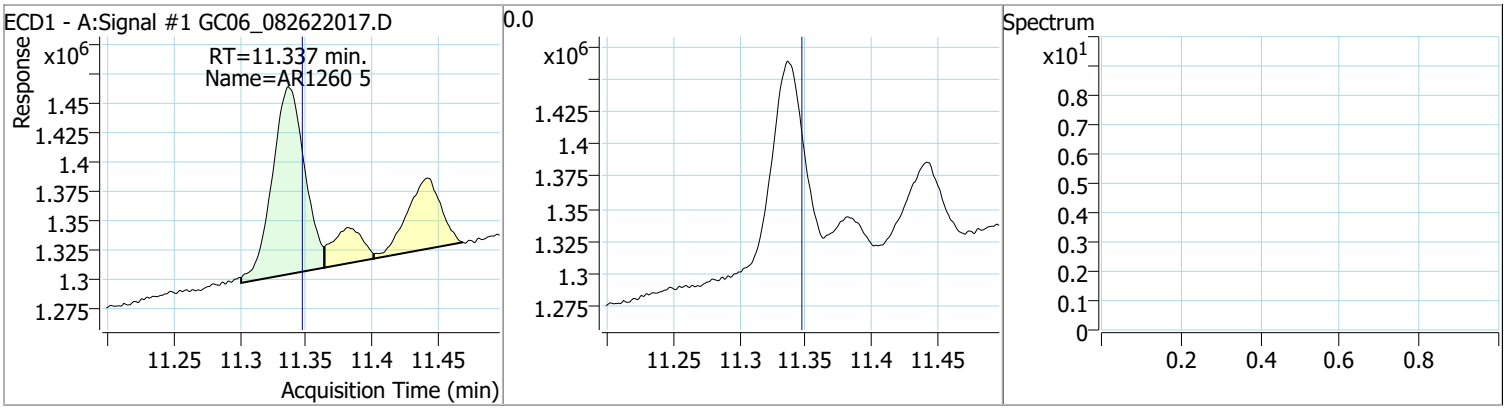
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	45.3836	10.52	-0.10	161216				



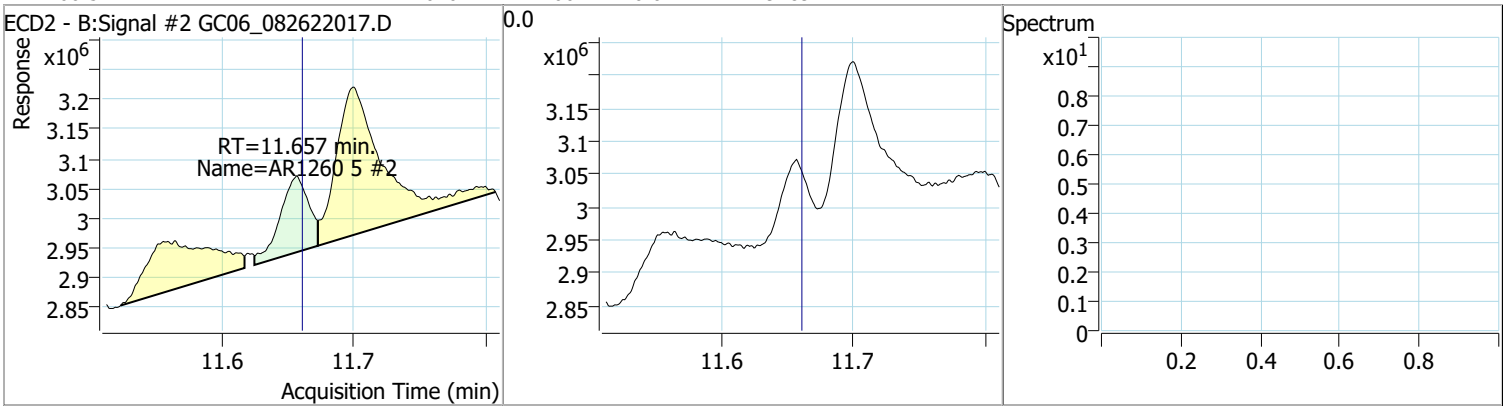
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	4.4682	10.97	-0.01	82406				



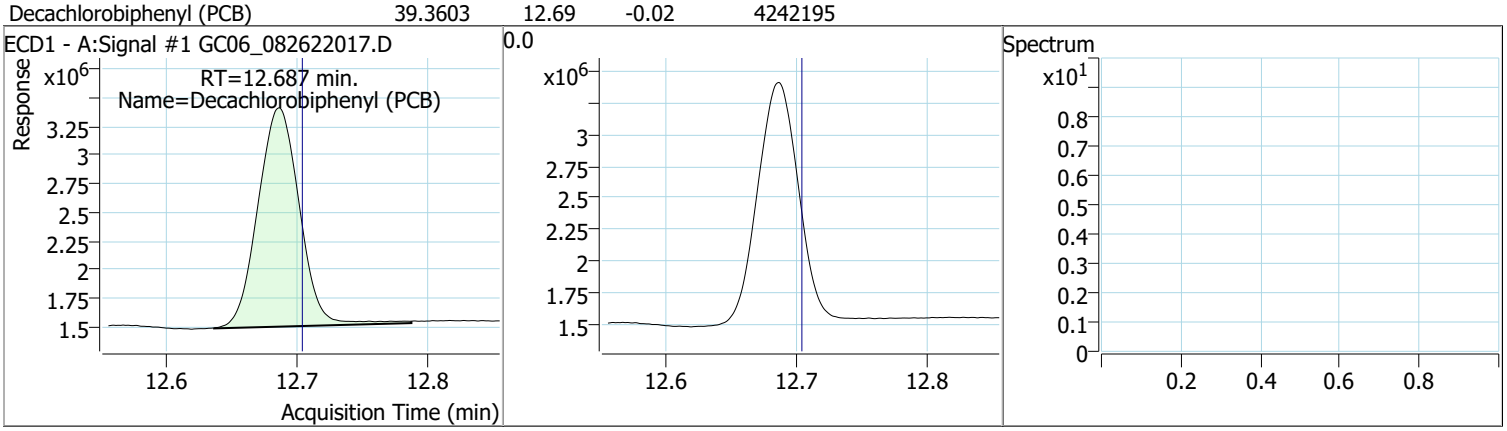
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	58.2257	11.34	-0.01	273753				



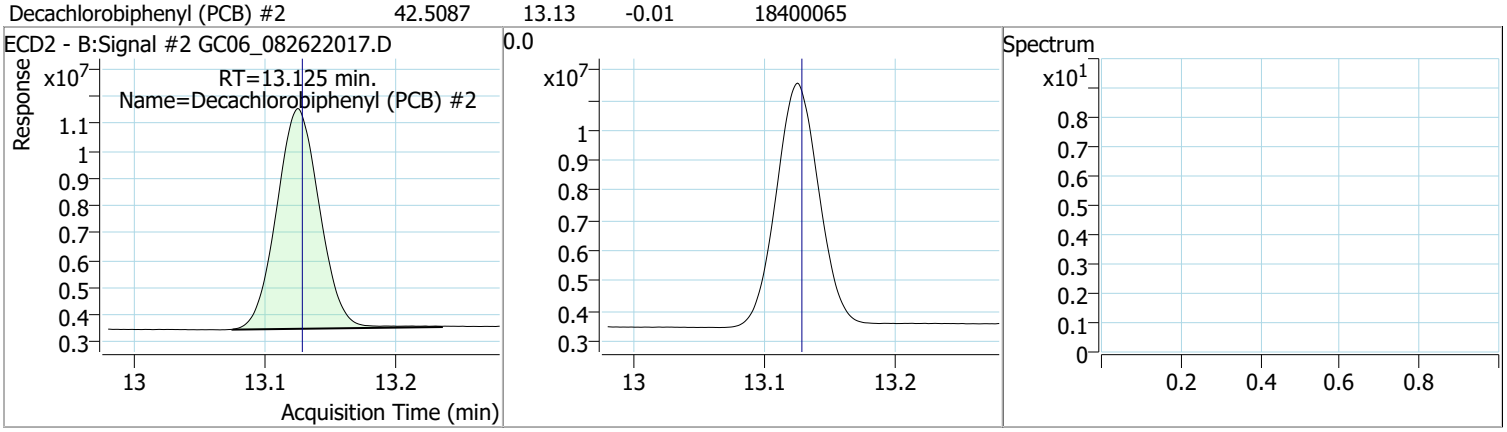
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	7.1676	11.66	-0.01	194892				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	39.3603	12.69	-0.02	4242195				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	42.5087	13.13	-0.01	18400065				



QC Raw Data

ENTHALPY BLANK USER REPORT FOR 467769 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Lab ID:	QC1008494		
Seqnum:	452343556013.4	Matrix:	Wipe		
File:	gc06_082622013	Batch:	295632	Time:	26-AUG-2022 17:17
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Flags
Aroclor-1016	A	22.15	ND	0.098	77%	0.50	u
Aroclor-1016 Peak # 1	A	33.85	0.34	0.03	168%		
Aroclor-1016 Peak # 2	A	8.518	0.09	0.13	44%		
Aroclor-1016 Peak # 3	A	6.310	0.06	0.09	33%		
Aroclor-1016 Peak # 4	A	11.44	0.11	0.13	12%		
Aroclor-1016 Peak # 5	A	50.62	0.51	0.11	129%		
Aroclor-1221	A		ND			0.50	u
Aroclor-1232	A		ND			0.50	u
Aroclor-1242	A		ND			0.50	u
Aroclor-1248	A		ND			0.50	u
Aroclor-1254	A		ND			0.50	u
Aroclor-1260	A	12.95	ND	0.10	23%	0.50	u
Aroclor-1260 Peak # 1	A	0.4210	0.00	0.42	196%		
Aroclor-1260 Peak # 2	A	0.1562	0.00	0.01	153%		
Aroclor-1260 Peak # 3	A	6.340	0.06	0.01	128%		
Aroclor-1260 Peak # 4	A	0.9714	0.01	0.04	126%		
Aroclor-1260 Peak # 5	A	56.85	0.57	0.02	185%		
Aroclor-1262	A		ND			0.50	u
Aroclor-1268	A		ND			0.50	u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	46.11	0.5000	0.4611	92	52-186	c+ u
Decachlorobiphenyl (PCB)	A	36.94	0.5000	0.3694	74	60-140	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_082622002)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8218495	10776439	31.12
1-bromo-2-nitrobenzene (PCB)	A	1919479	2035190	6.03

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

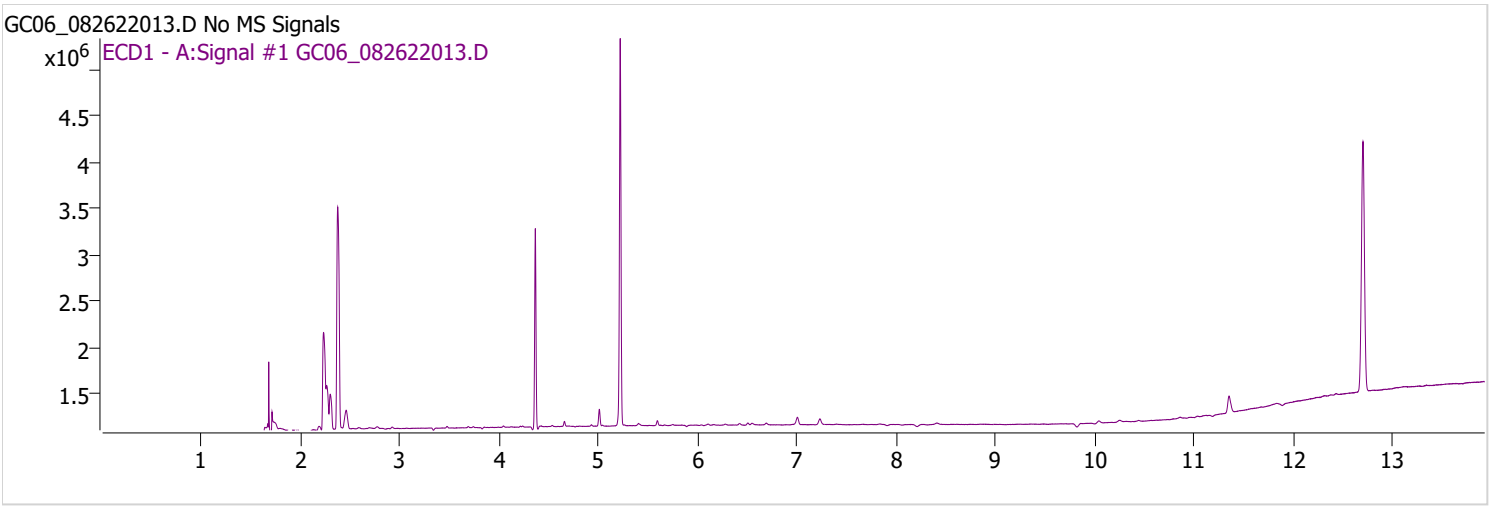
ISTD (CCV gc06_082622002)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.13	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

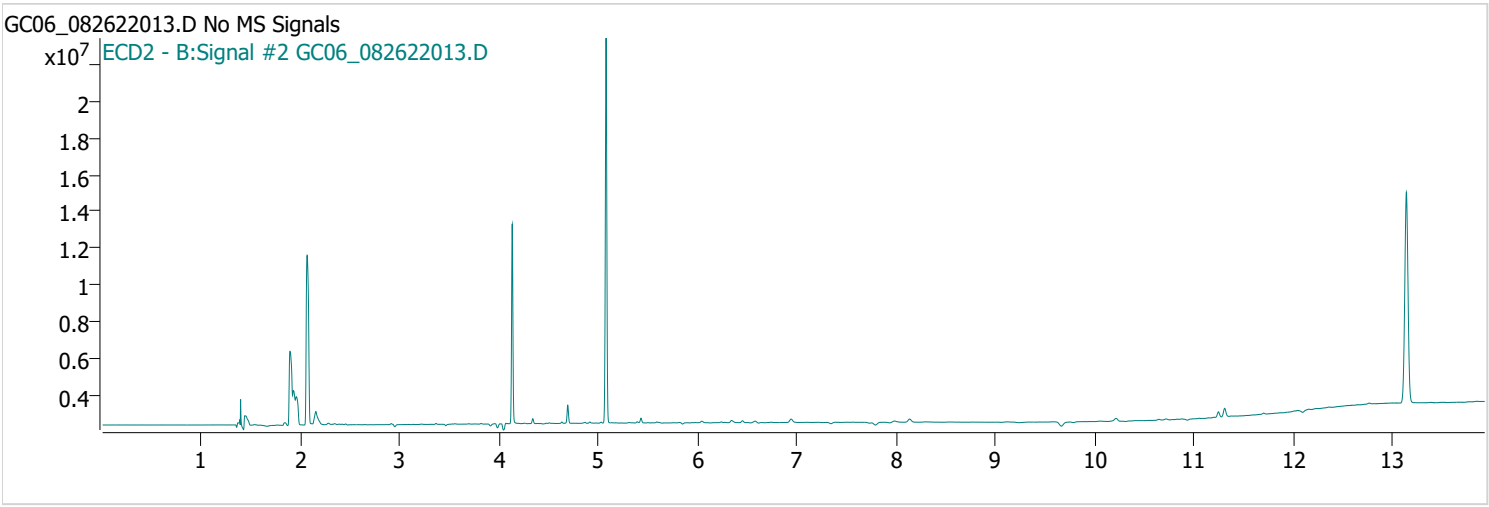
Analyst: TRN 08/30/22

Reviewer: LW 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622013.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/26/2022 5:17:47 PM
Sample Name	QC1008494, 295632, 1	Instrument	SVOA-GC06
Vial	3	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



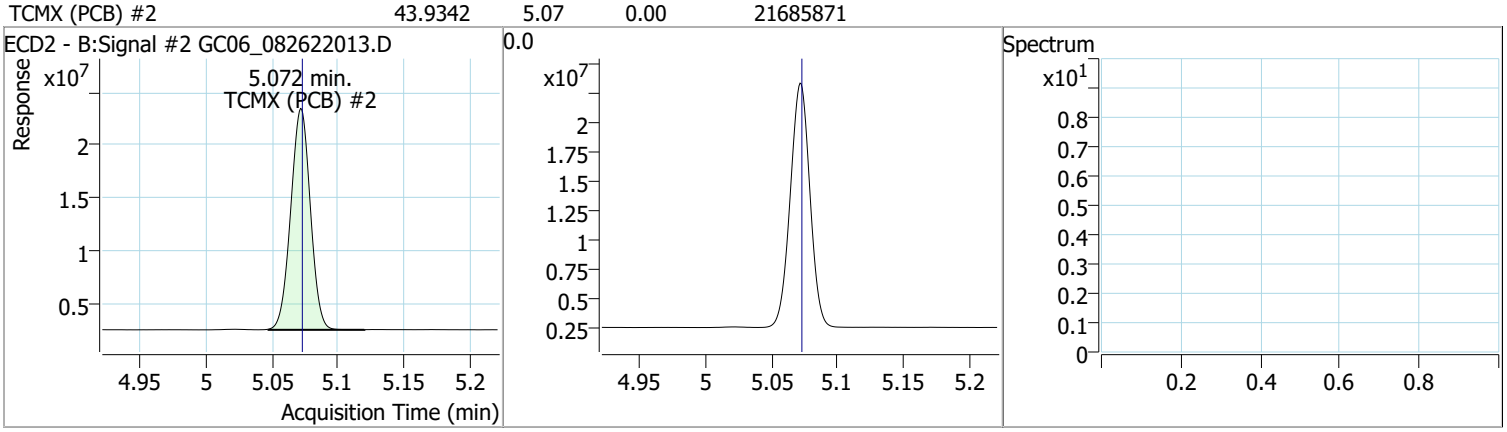


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.127	0.0	10776439.157	20.0000	ng/ml		0.002
M 1-bromo-2-nitrobenzene (PCB)	4.359	0.0	2035190.361	20.0000	ng/ml		0.003
System Monitoring Compounds							
S TCMX (PCB) #2	5.072	0.0	21685870.620	43.9342	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 219.67%		*	
S TCMX (PCB)	5.214	0.0	4512354.527	46.0946	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 230.47%		*	
S Decachlorobiphenyl (PCB)	12.697	0.0	5714684.403	36.9299	ng/ml		-0.009
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 184.65%		*	
S Decachlorobiphenyl (PCB) #2	13.133	0.0	26051940.607	40.0631	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 200.32%		*	
Target Compounds							QValue

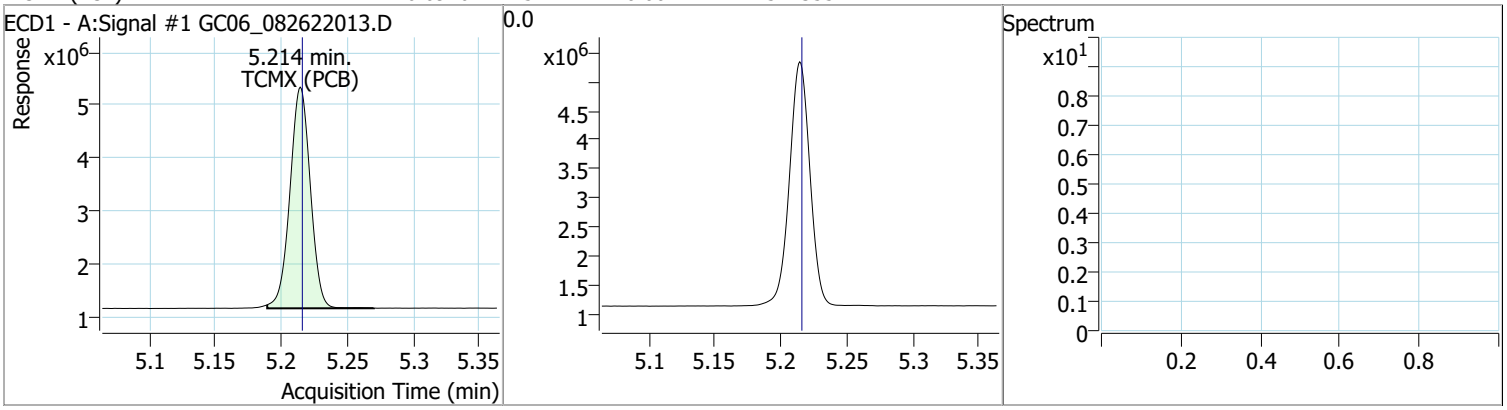
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.495	0.0	29841.819	2.9570	ng/ml	100
T AR1016 1	5.588	0.0	67375.033	33.8436	ng/ml	100
T AR1016 2 #2	5.971	0.0	278587.152	13.3022	ng/ml	100
T AR1016 2	5.832	0.0	36911.988	8.5156	ng/ml	100
T AR1016 3 #2	6.447	0.0	242956.791	8.7965	ng/ml	100
T AR1016 3	6.417	0.0	32184.252	6.3088	ng/ml	100
T AR1016 4	6.541	0.0	43649.254	11.4336	ng/ml	100
T AR1016 4 #2	6.572	0.0	241204.749	12.8724	ng/ml	100
T AR1016 5	6.998	0.0	149448.159	50.6072	ng/ml	100
T AR1016 5 #2	7.295	0.0	160523.223	10.9573	ng/ml	100
T AR1260 1	9.070	0.0	2695.846	0.4209	ng/ml	100
T AR1260 1 #2	9.579	0.0	1379085.786	42.2826	ng/ml	100
T AR1260 2	9.664	0.0	1540.640	0.1562	ng/ml	100
T AR1260 2 #2	10.053	0.0	44577.893	1.1829	ng/ml	100
T AR1260 3	10.036	0.0	65005.600	6.3388	ng/ml	100
T AR1260 3 #2	10.451	0.0	70787.974	1.3825	ng/ml	100
T AR1260 4	10.616	0.0	4952.980	0.9711	ng/ml	100
T AR1260 4 #2	10.873	0.0	117818.494	4.2524	ng/ml	100
T AR1260 5	11.348	0.0	383654.215	56.8347	ng/ml	100
T AR1260 5 #2	11.697	0.0	93305.551	2.2842	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

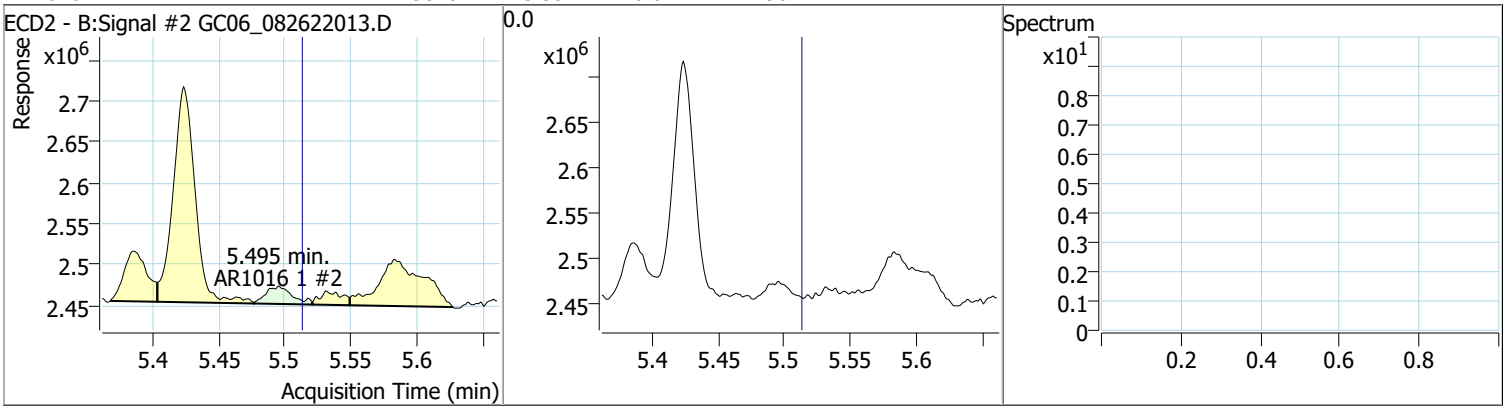
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	43.9342	5.07	0.00	21685871				



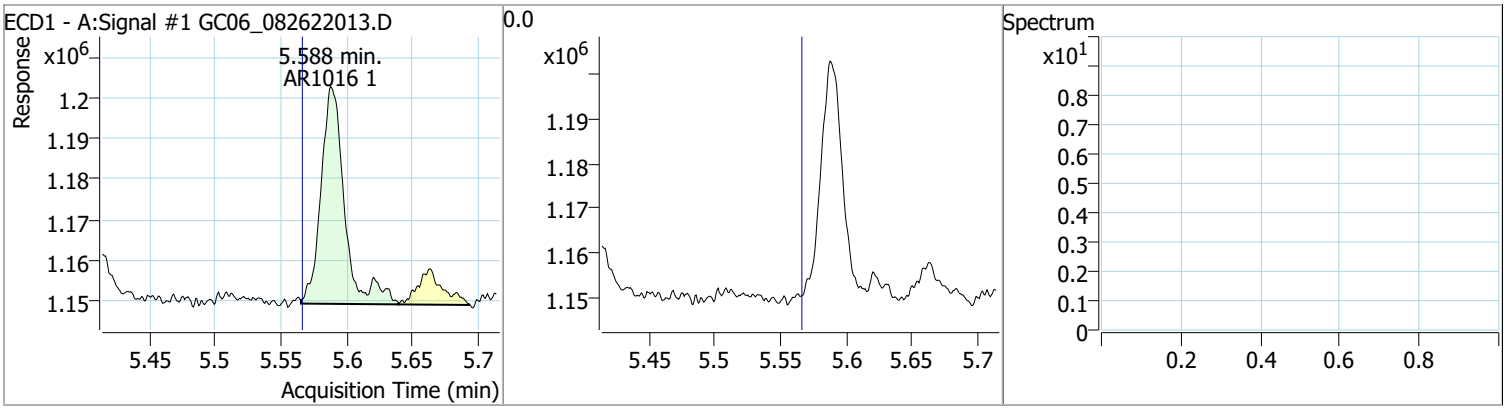
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	46.0946	5.21	0.00	4512355				



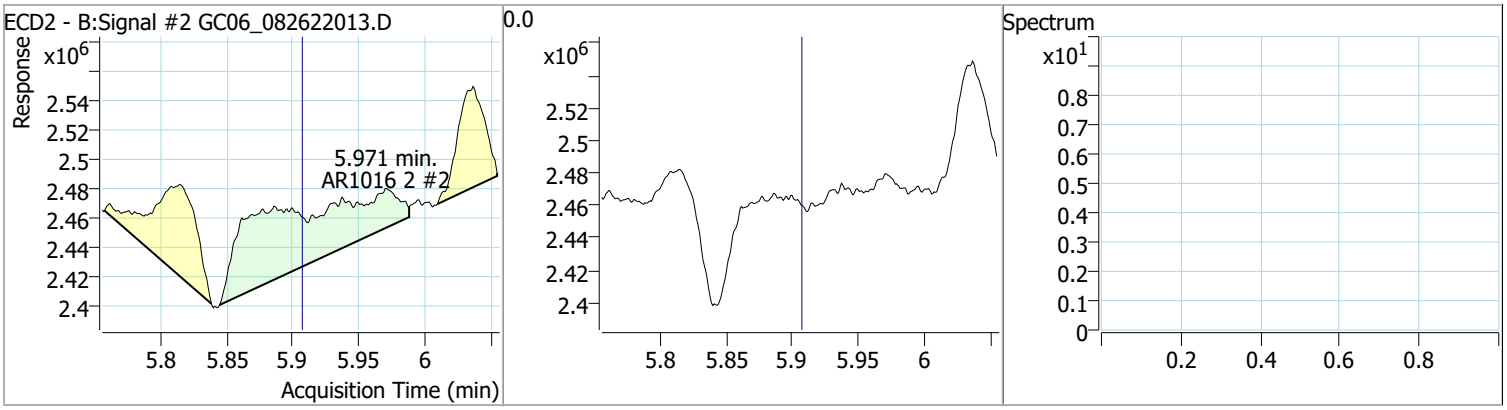
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	2.9570	5.50	-0.01	29842				



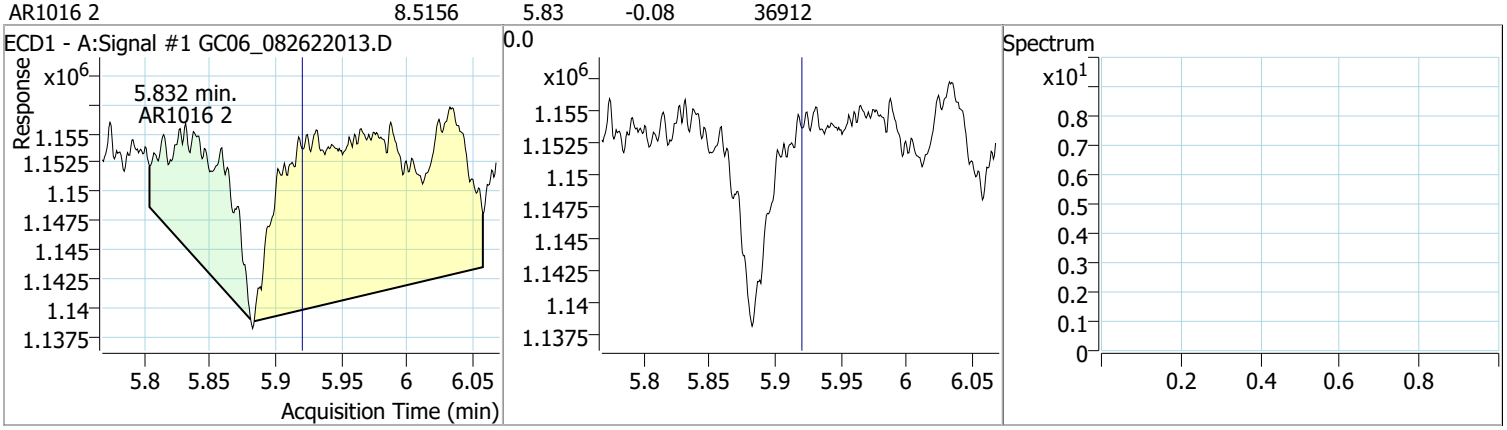
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	33.8436	5.59	0.03	67375				



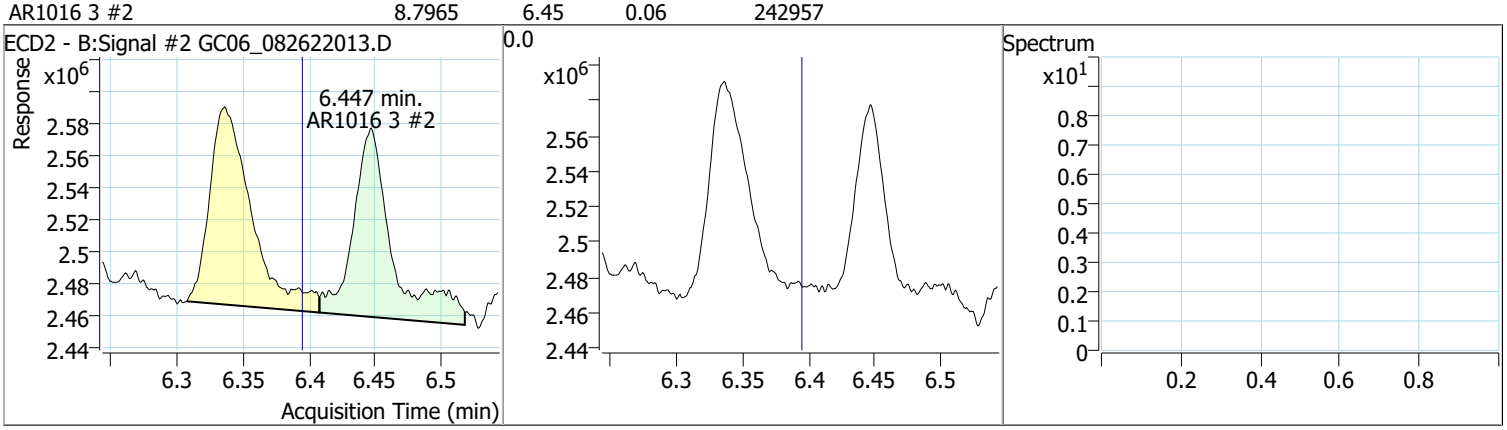
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	13.3022	5.97	0.07	278587				



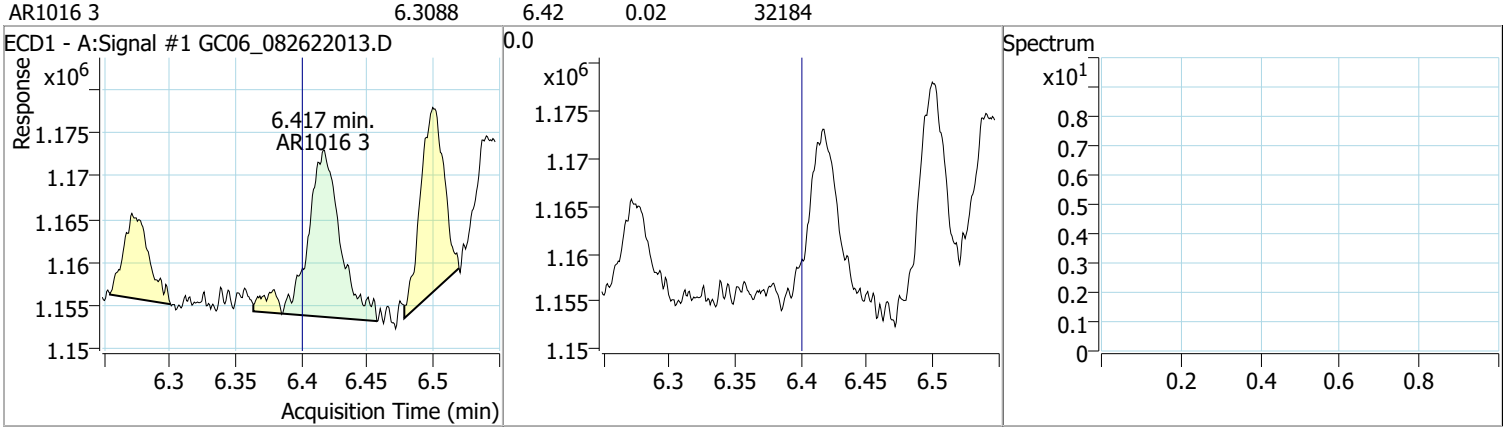
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	8.5156	5.83	-0.08	36912				



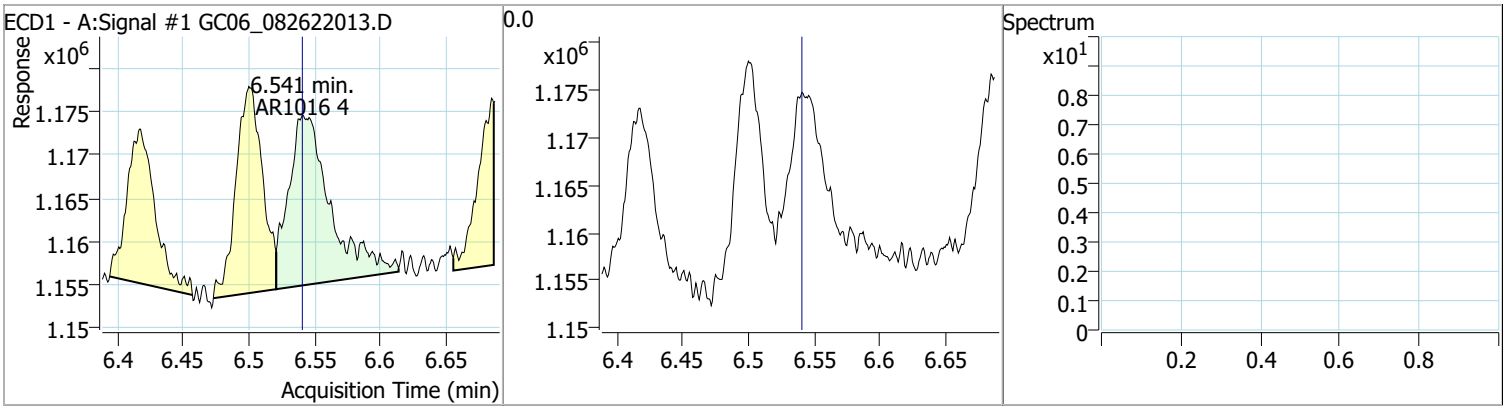
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	8.7965	6.45	0.06	242957				



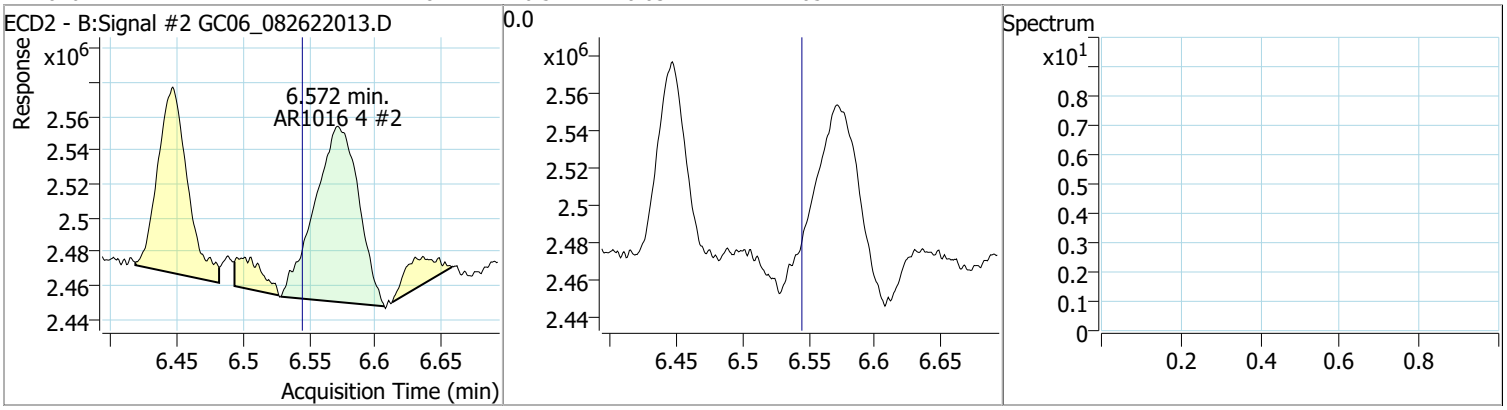
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	6.3088	6.42	0.02	32184				



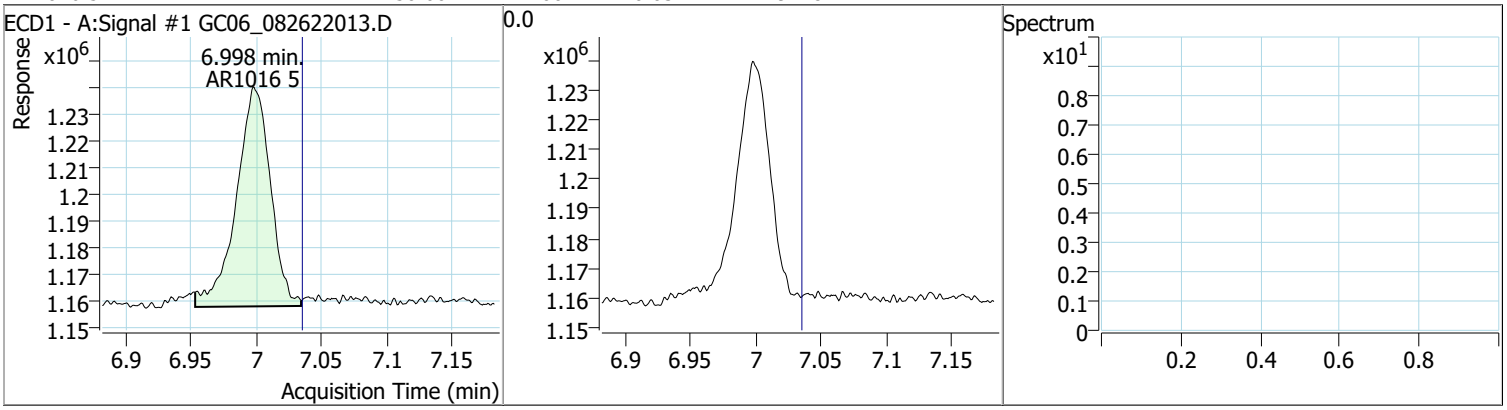
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	11.4336	6.54	0.01	43649				



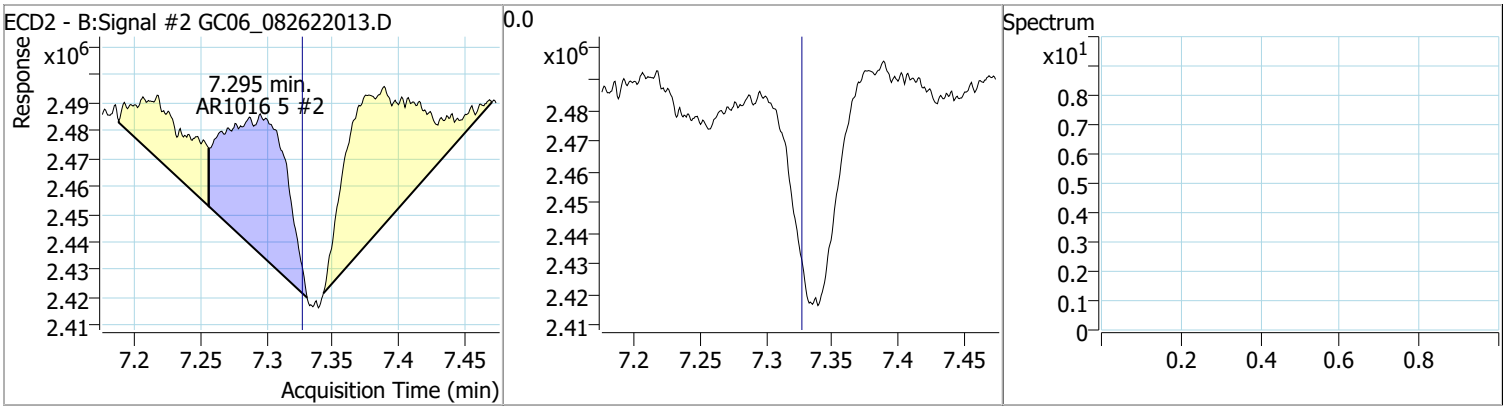
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	12.8724	6.57	0.03	241205				



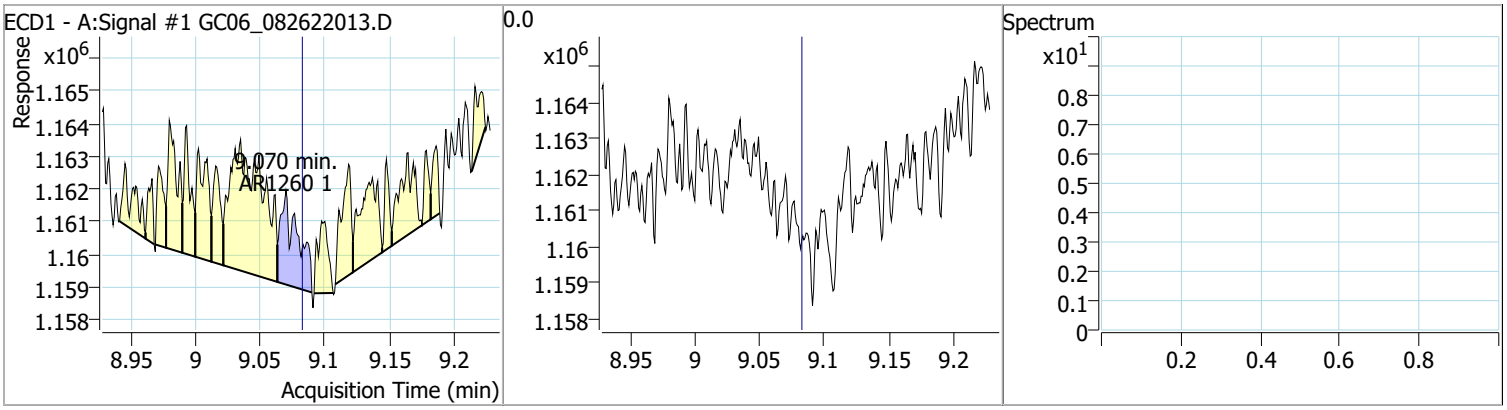
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	50.6072	7.00	-0.03	149448				



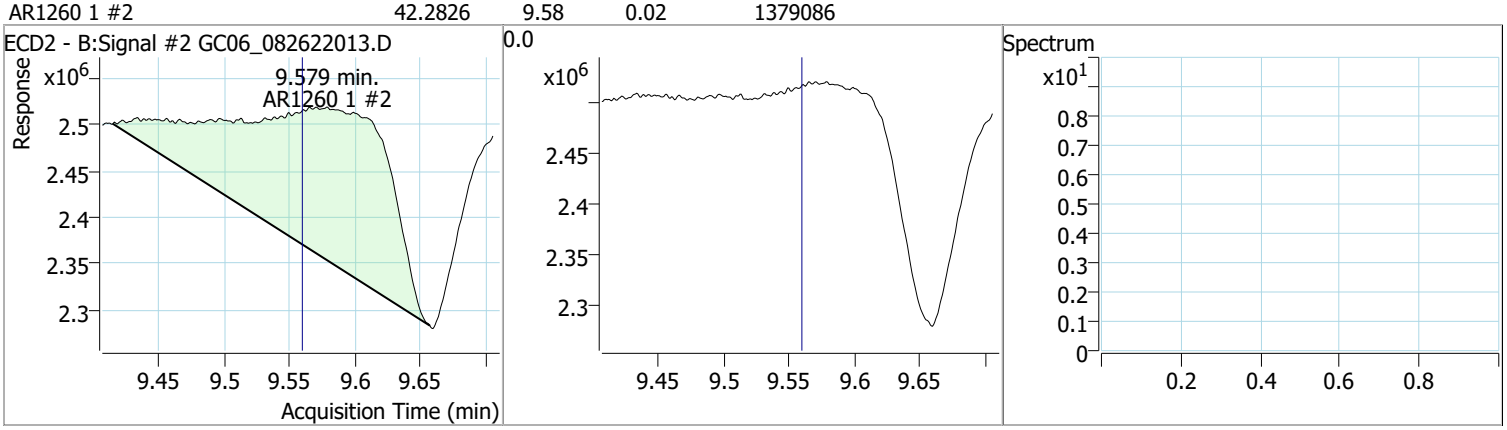
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	10.9573	7.30	-0.03	160523				



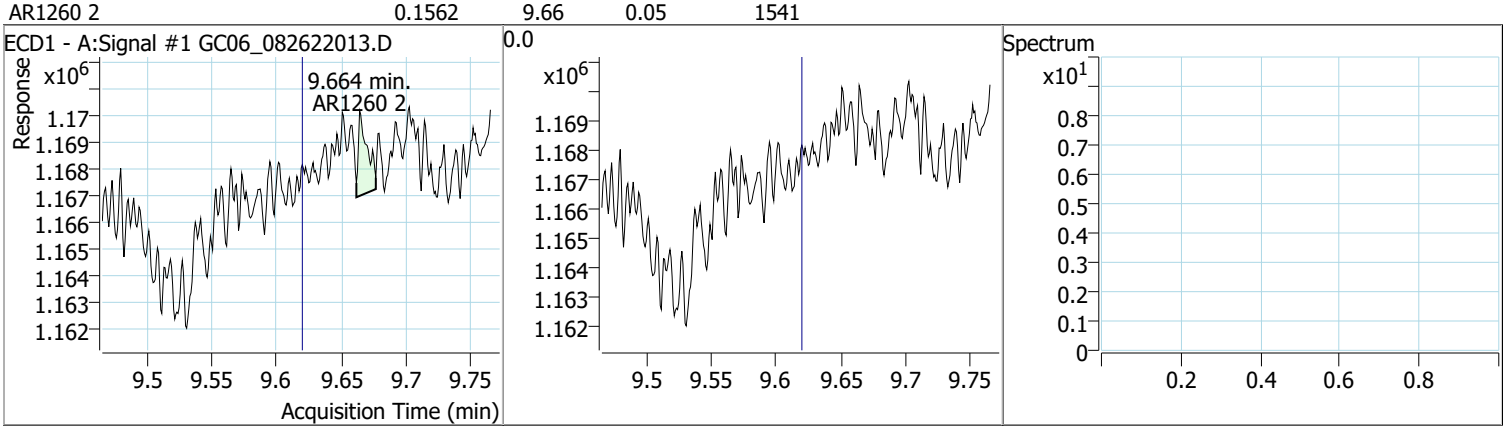
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	0.4209	9.07	0.00	2696				



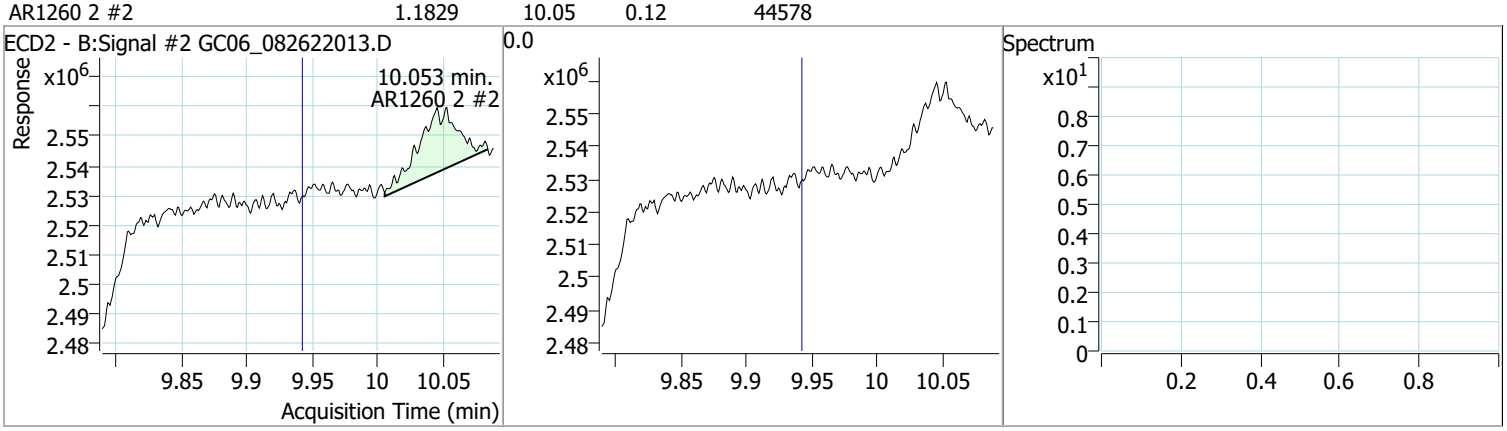
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	42.2826	9.58	0.02	1379086				



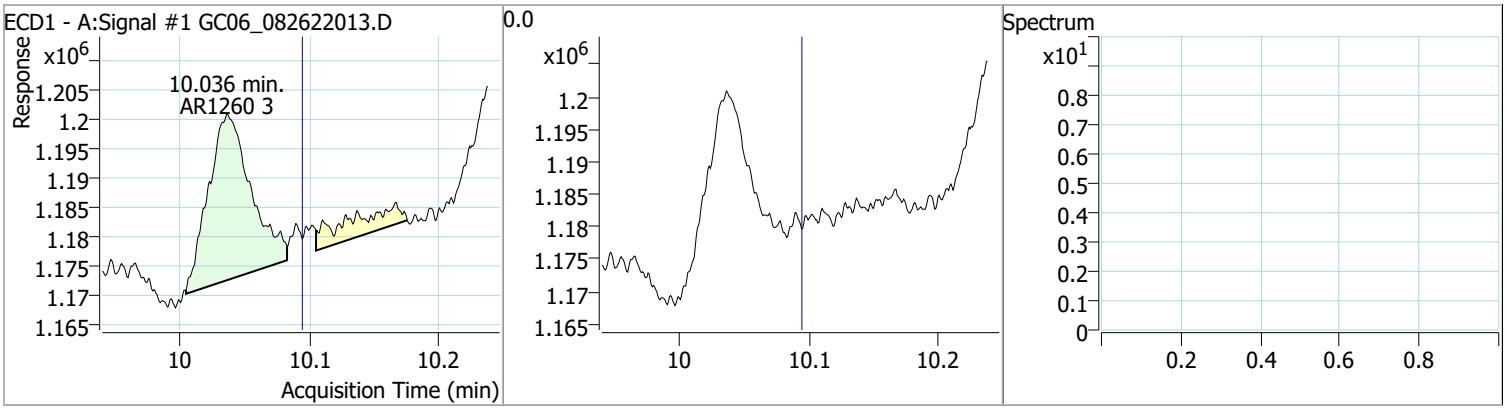
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.1562	9.66	0.05	1541				



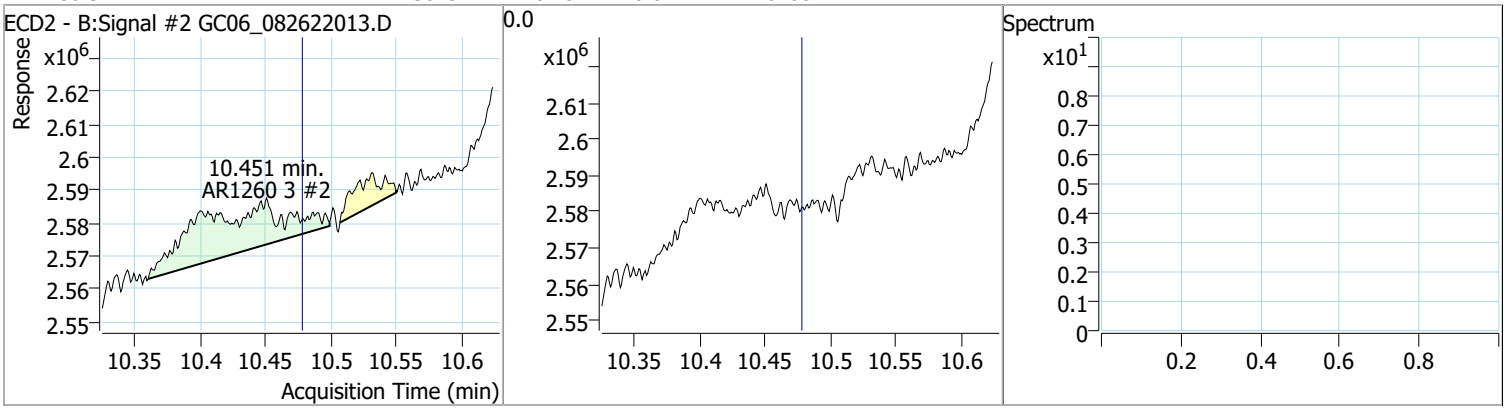
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1.1829	10.05	0.12	44578				



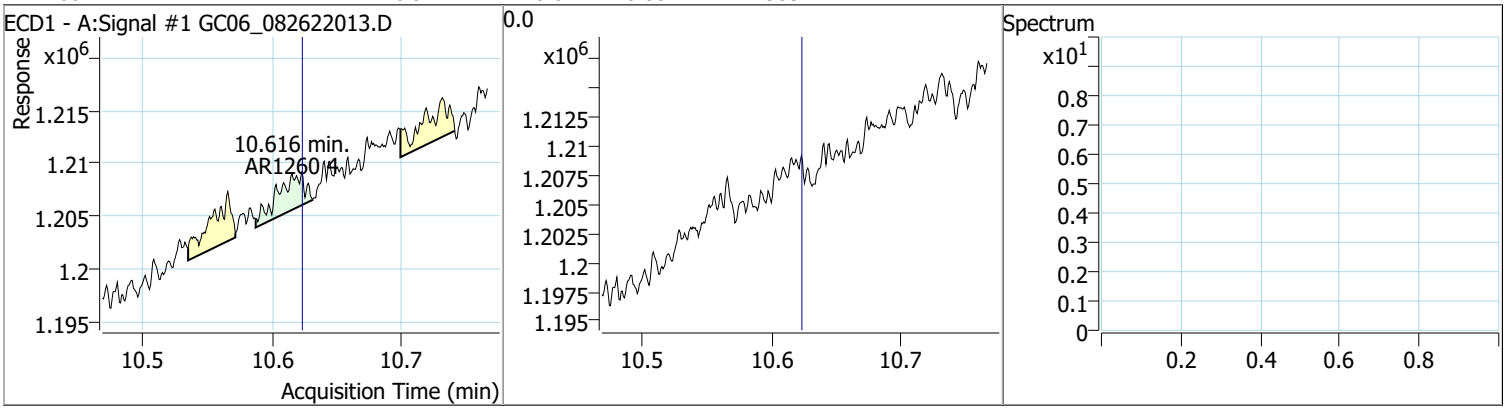
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	6.3388	10.04	-0.05	65006				



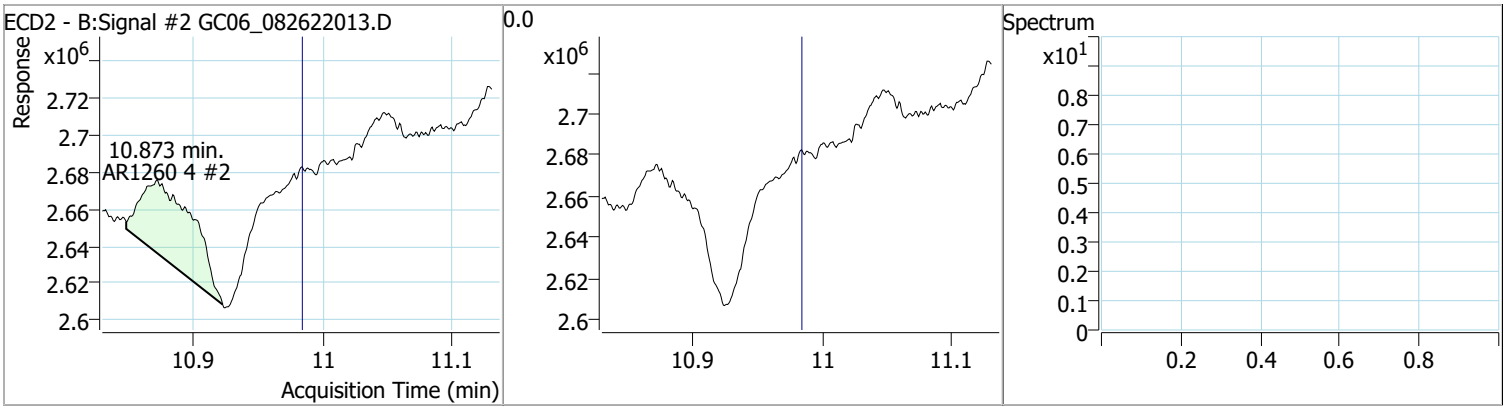
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1.3825	10.45	-0.02	70788				



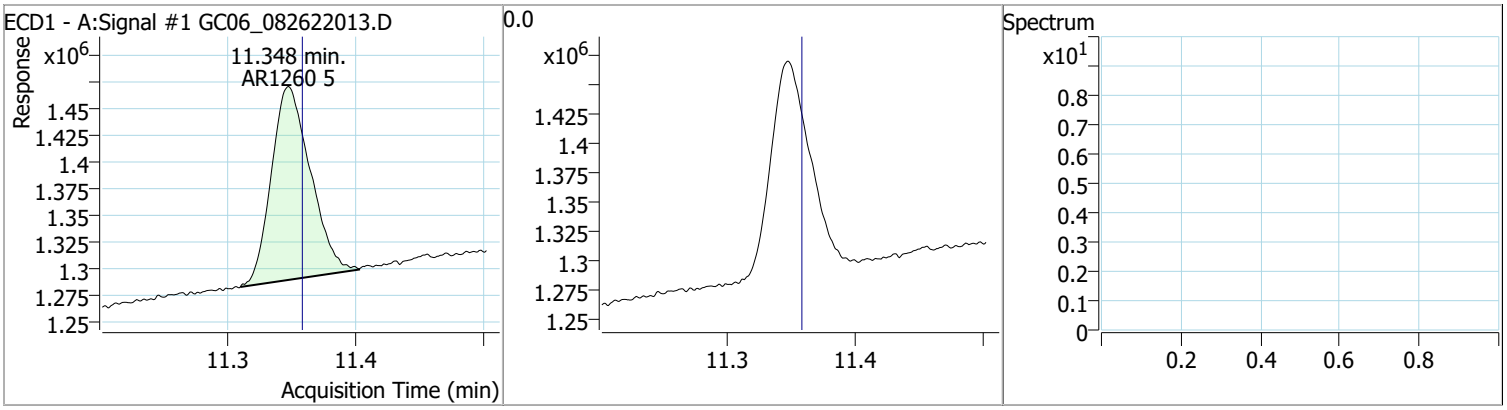
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	0.9711	10.62	0.00	4953				



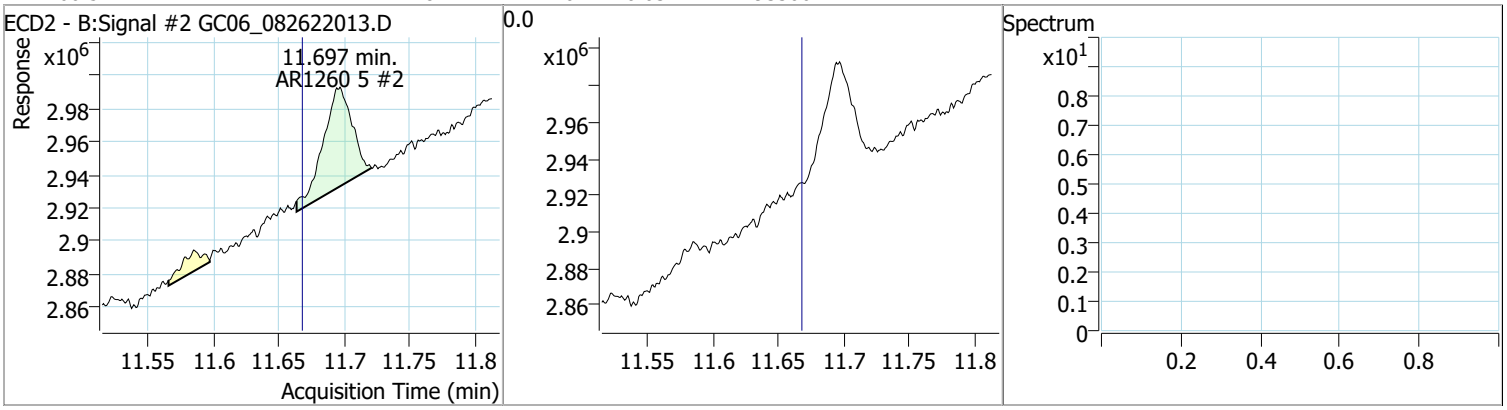
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	4.2524	10.87	-0.11	117818				



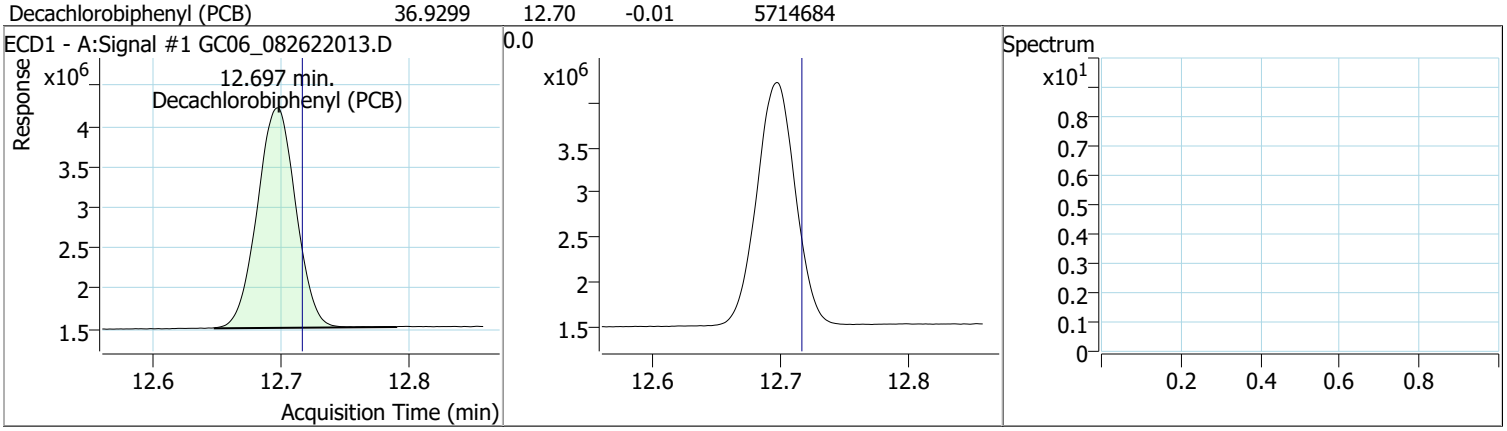
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	56.8347	11.35	0.00	383654				



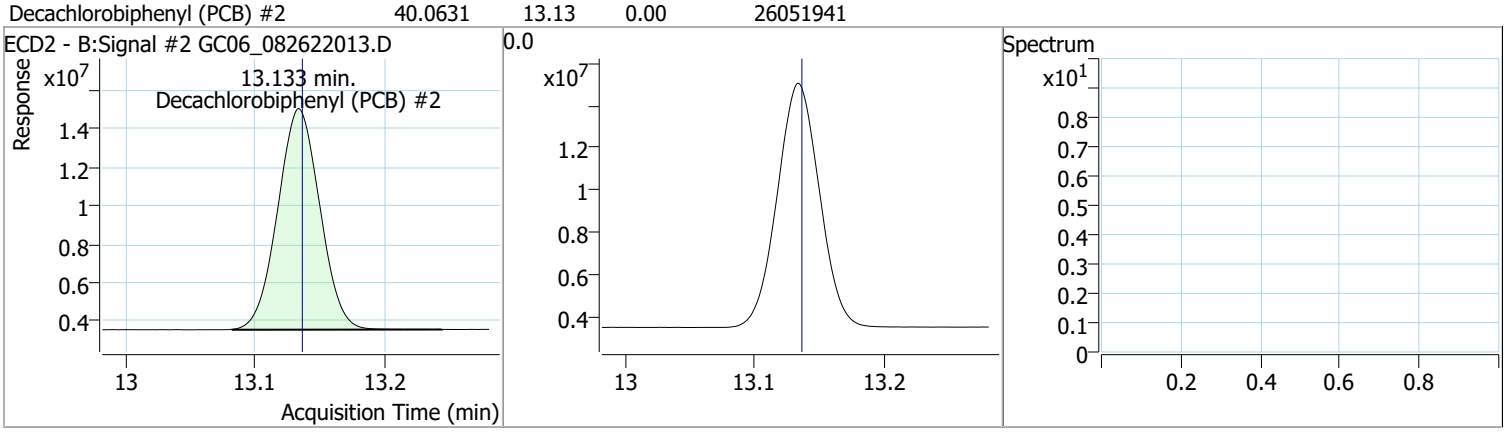
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	2.2842	11.70	0.03	93306				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	36.9299	12.70	-0.01	5714684				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	40.0631	13.13	0.00	26051941				



ENTHALPY BLANK USER REPORT FOR 467769 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Lab ID:	QC1009630		
Seqnum:	452349374008.1	Matrix:	Wipe		
File:	gc06_083022008	Batch:	295971	Time:	30-AUG-2022 16:04
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Flags
Aroclor-1016	B	6.946	ND	0.13	61%	0.50	u
Aroclor-1016 Peak # 1	B	5.993	0.06	0.35	141%		
Aroclor-1016 Peak # 2	B	18.23	0.18	0.02	155%		
Aroclor-1016 Peak # 3	B	5.345	0.05	0.04	40%		
Aroclor-1016 Peak # 4	B	4.457	0.04	0.03	38%		
Aroclor-1016 Peak # 5	B	0.7024	0.01	0.21	187%		
Aroclor-1221	B		ND			0.50	u
Aroclor-1232	B		ND			0.50	u
Aroclor-1242	B		ND			0.50	u
Aroclor-1248	B		ND			0.50	u
Aroclor-1254	B		ND			0.50	u
Aroclor-1260	B	1.427	ND	0.017	20%	0.50	u
Aroclor-1260 Peak # 1	B	0.1634	0.00	0.00	89%		
Aroclor-1260 Peak # 2	B	0.2350	0.00	0.00	72%		
Aroclor-1260 Peak # 3	B	0.06641	0.00	0.00	150%		
Aroclor-1260 Peak # 4	B	0.1684	0.00	0.01	115%		
Aroclor-1260 Peak # 5	B	6.500	0.07	0.07	9%		
Aroclor-1262	B		ND			0.50	u
Aroclor-1268	B		ND			0.50	u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	47.38	0.5000	0.4738	95	52-186	u
Decachlorobiphenyl (PCB)	B	38.97	0.5000	0.3897	78	60-140	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_083022002)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5237900	5340596	1.96
1-bromo-2-nitrobenzene (PCB)	A	1298245	1204945	-7.19

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

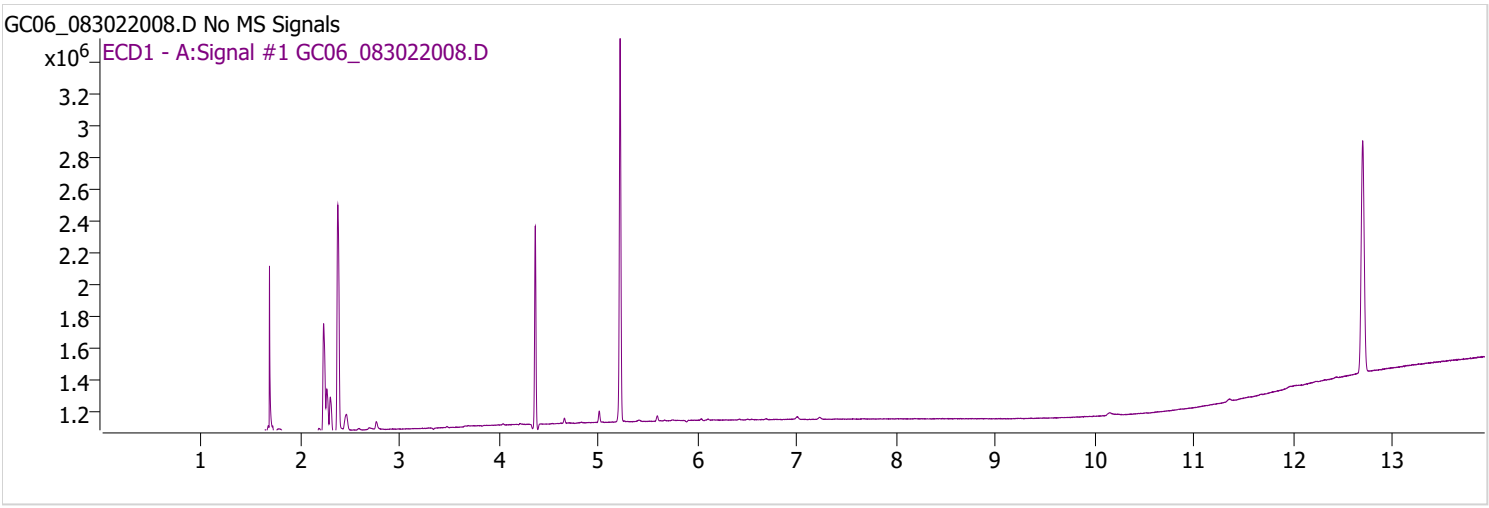
ISTD (CCV gc06_083022002)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.13	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

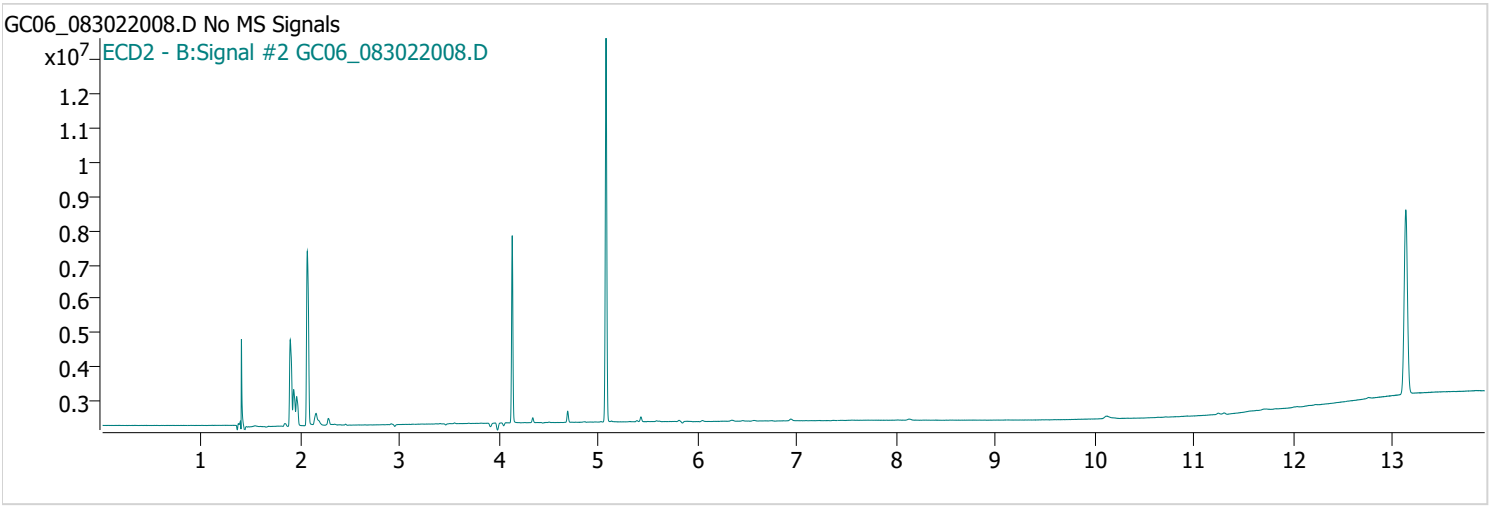
Analyst: TRN 08/30/22

Reviewer: LW 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_083022008.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/30/2022 4:04:06 PM
Sample Name	QC1009630, 295971, 1	Instrument	SVOA-GC06
Vial	1	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	083022PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



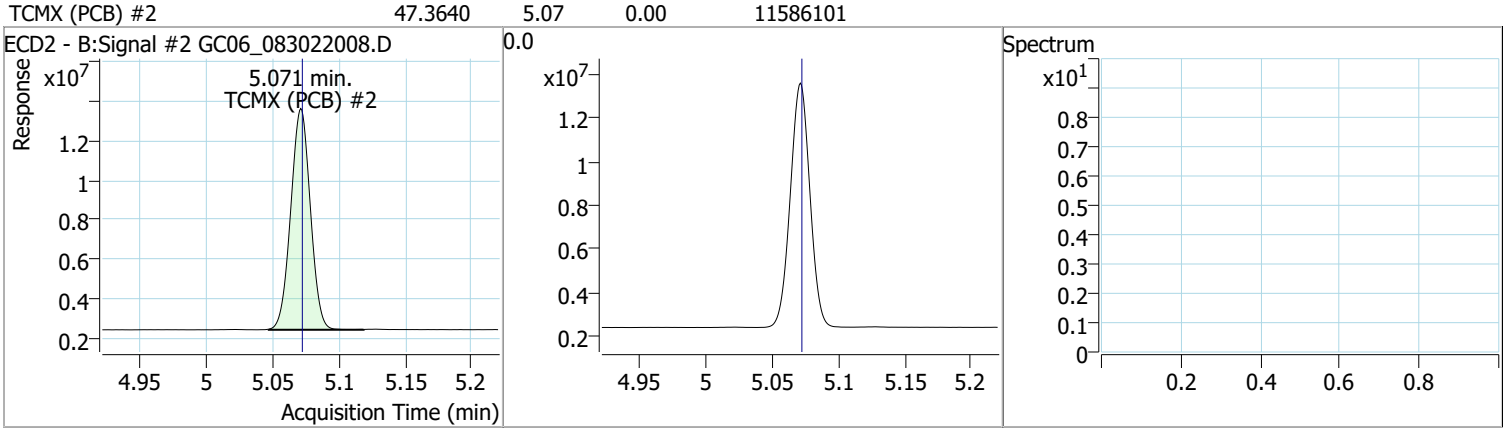


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.126	0.0	5340596.190	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB)	4.358	0.0	1204944.700	20.0000	ng/ml		0.002
System Monitoring Compounds							
S TCMX (PCB) #2	5.071	0.0	11586100.832	47.3640	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 236.82%		*	
S TCMX (PCB)	5.213	0.0	2600542.763	44.8692	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 224.35%		*	
S Decachlorobiphenyl (PCB)	12.692	0.0	3100677.260	33.8439	ng/ml		-0.014
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 169.22%		*	
S Decachlorobiphenyl (PCB) #2	13.127	0.0	12555804.837	38.9614	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 194.81%		*	
Target Compounds							QValue

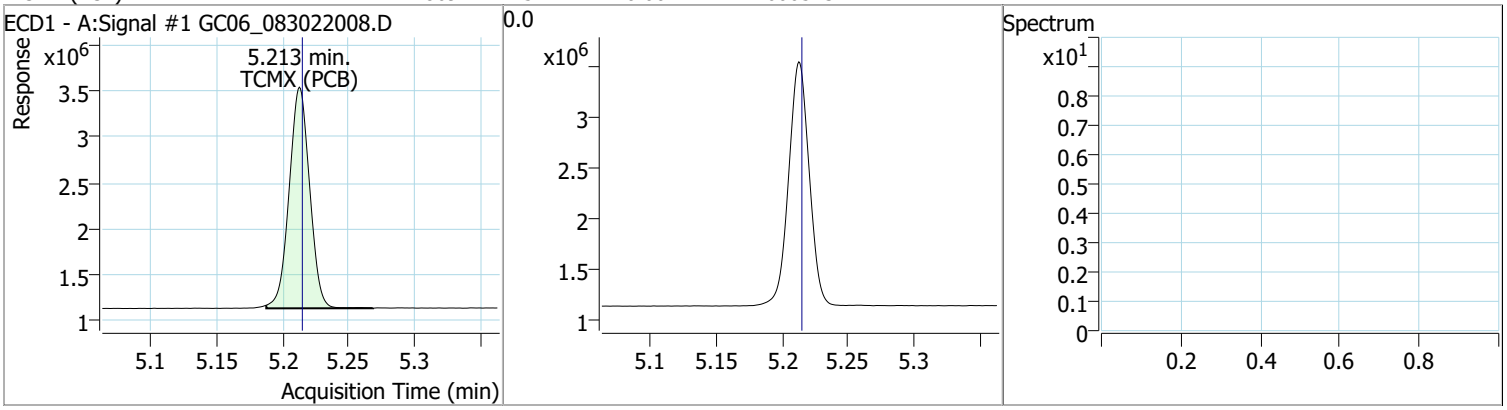
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.579	0.0	29962.545	5.9909	ng/ml	100
T AR1016 1	5.588	0.0	41131.208	34.8969	ng/ml	100
T AR1016 2 #2	5.886	0.0	189206.258	18.2298	ng/ml	100
T AR1016 2	5.865	0.0	5885.322	2.2933	ng/ml	100
T AR1016 3 #2	6.338	0.0	73137.111	5.3432	ng/ml	100
T AR1016 3	6.419	0.0	10798.300	3.5752	ng/ml	100
T AR1016 4	6.537	0.0	6839.771	3.0261	ng/ml	100
T AR1016 4 #2	6.557	0.0	41374.455	4.4555	ng/ml	100
T AR1016 5	6.999	0.0	36943.788	21.1301	ng/ml	100
T AR1016 5 #2	7.304	0.0	5097.996	0.7022	ng/ml	100
T AR1260 1	9.086	0.0	1613.216	0.4254	ng/ml	100
T AR1260 1 #2	9.576	0.0	2639.885	0.1633	ng/ml	100
T AR1260 2	9.585	0.0	649.202	0.1112	ng/ml	100
T AR1260 2 #2	9.928	0.0	4387.270	0.2349	ng/ml	100
T AR1260 3	10.051	0.0	2813.335	0.4634	ng/ml	100
T AR1260 3 #2	10.467	0.0	1684.658	0.0664	ng/ml	100
T AR1260 4	10.624	0.0	1878.577	0.6221	ng/ml	100
T AR1260 4 #2	10.989	0.0	2312.120	0.1684	ng/ml	100
T AR1260 5	11.351	0.0	28406.078	7.1076	ng/ml	100
T AR1260 5 #2	11.723	0.0	131554.613	6.4986	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

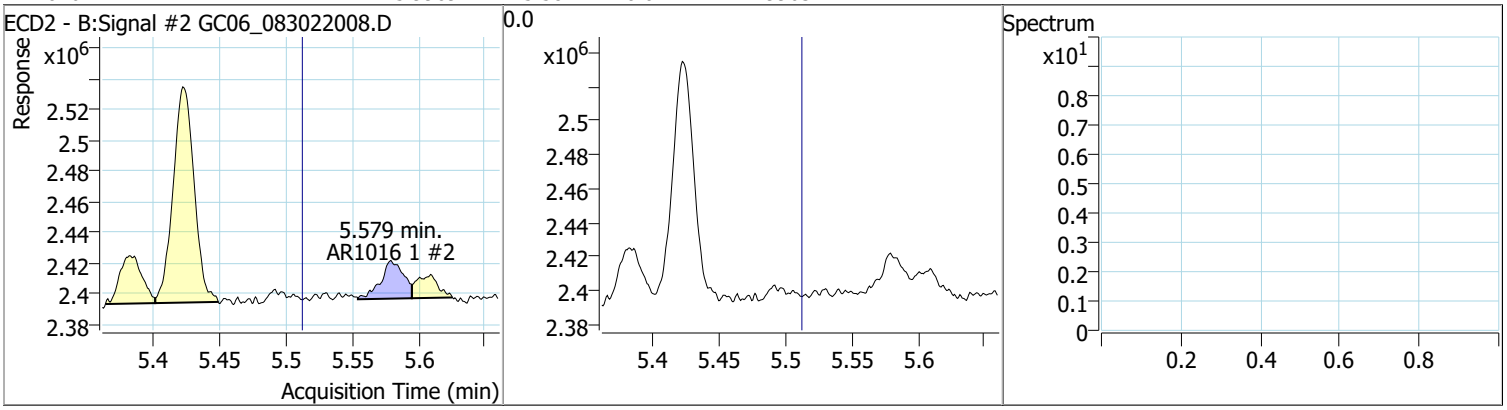
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	47.3640	5.07	0.00	11586101				



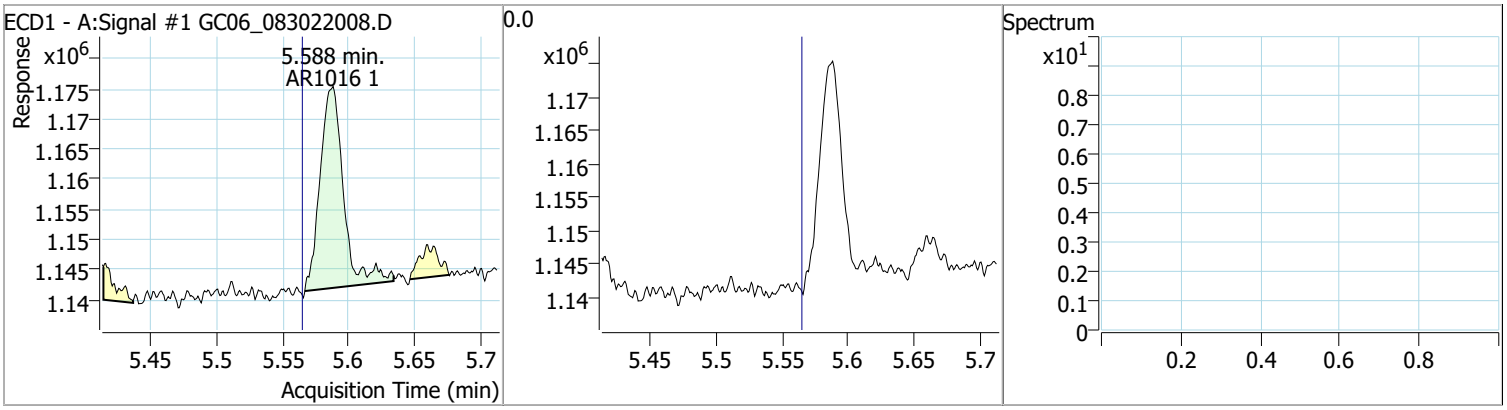
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	44.8692	5.21	0.00	2600543				



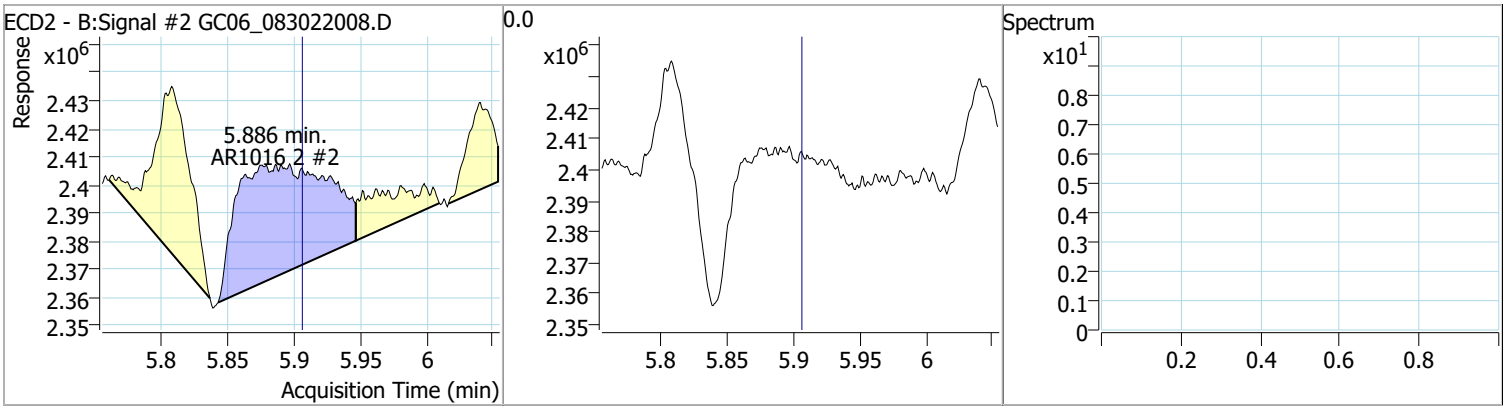
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	5.9909	5.58	0.07	29963				



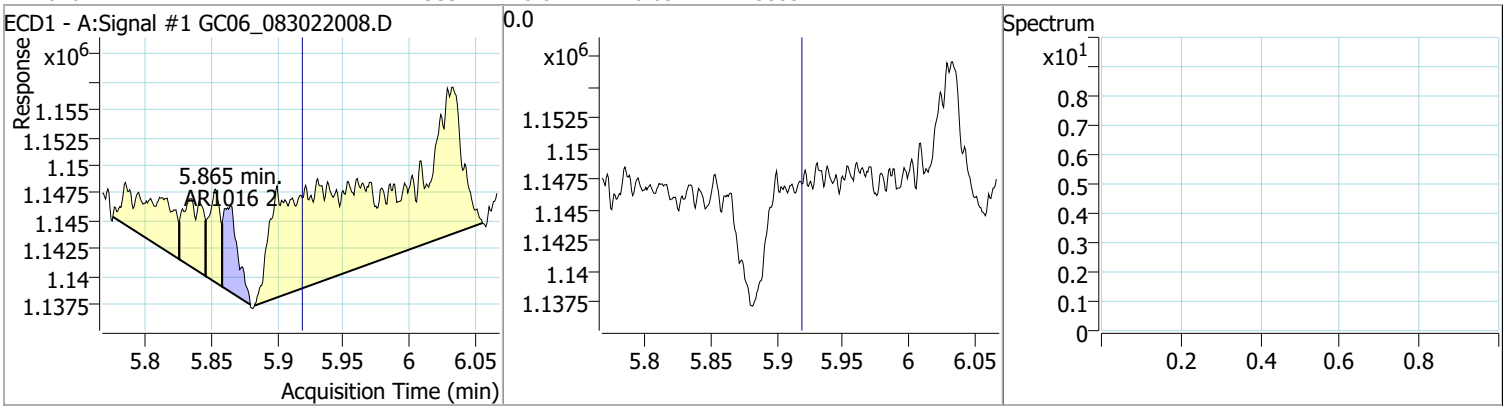
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	34.8969	5.59	0.03	41131				



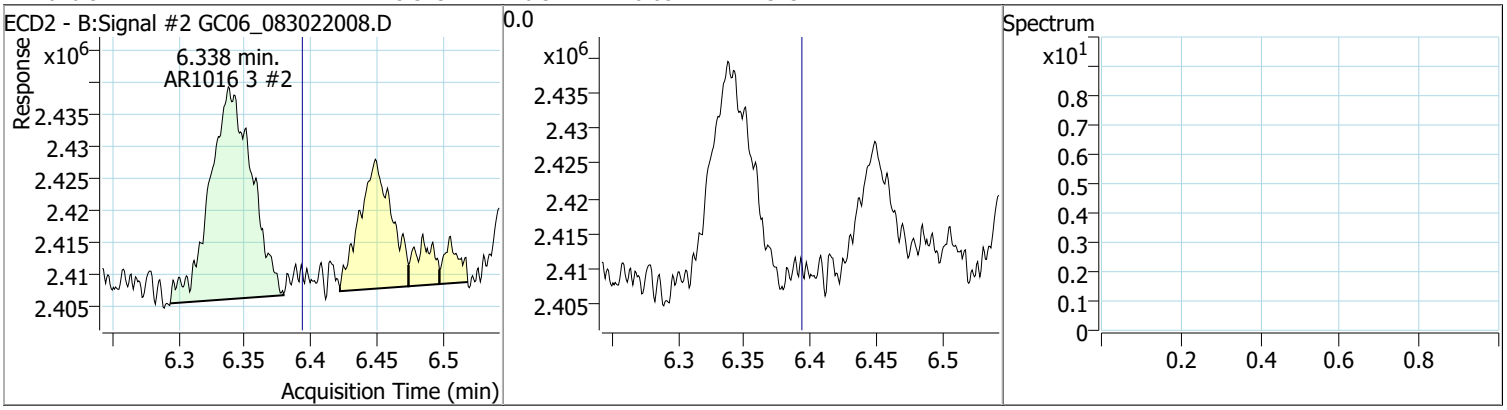
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	18.2298	5.89	-0.02	189206				



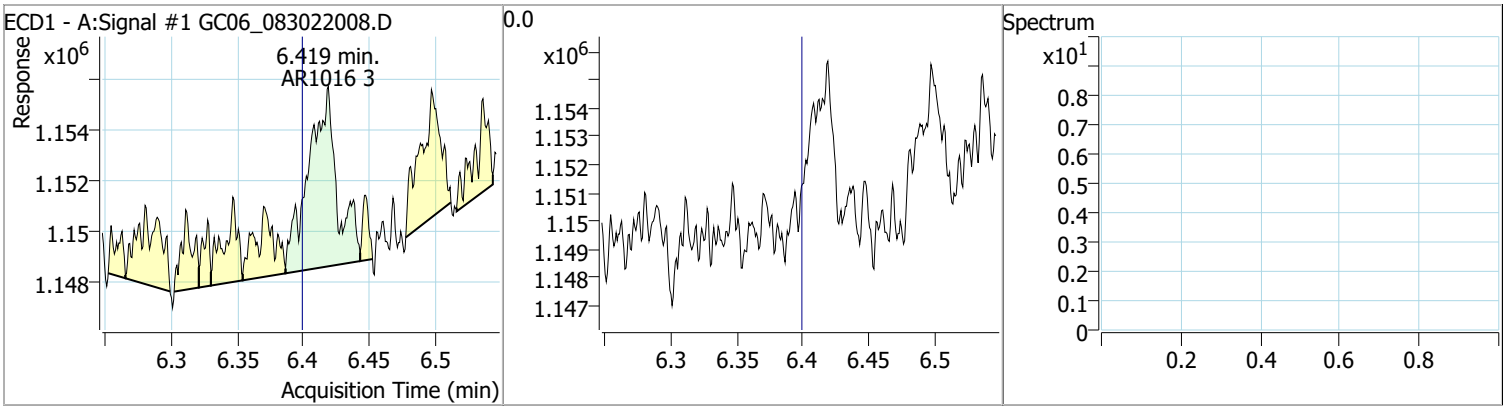
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	2.2933	5.87	-0.05	5885				



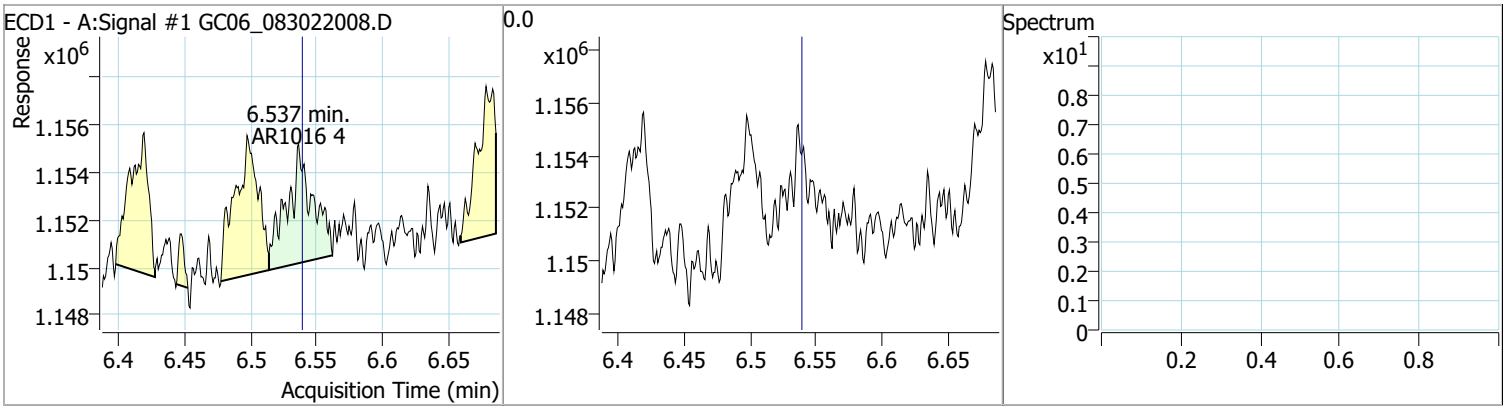
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	5.3432	6.34	-0.05	73137				



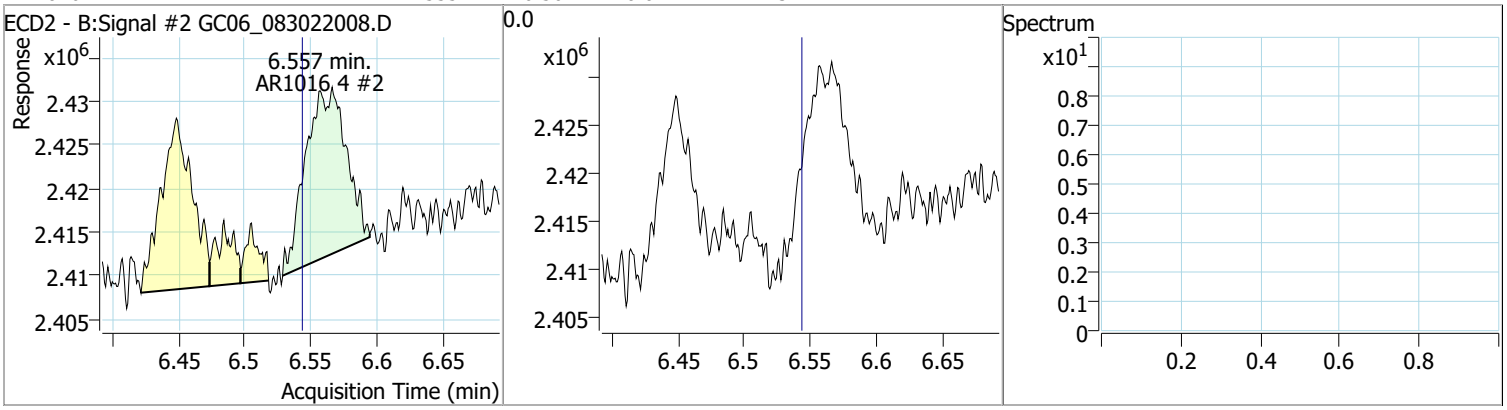
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	3.5752	6.42	0.02	10798				



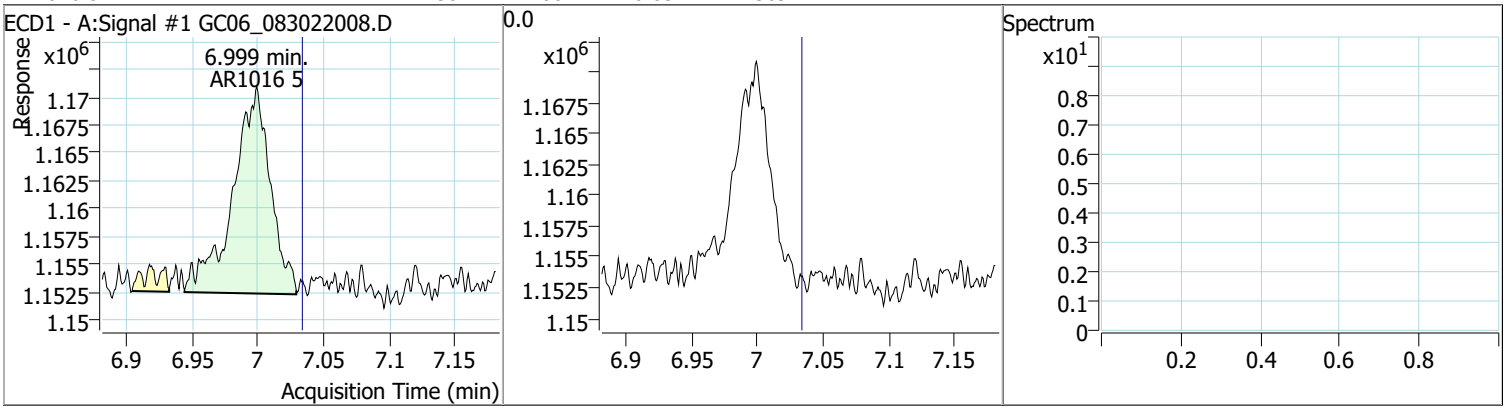
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	3.0261	6.54	0.00	6840				



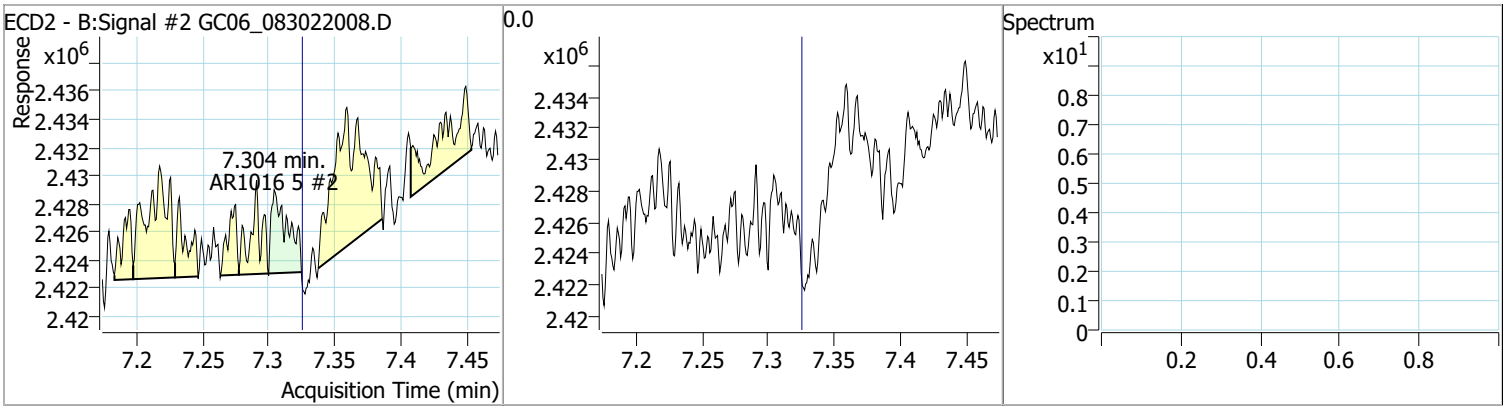
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	4.4555	6.56	0.02	41374				



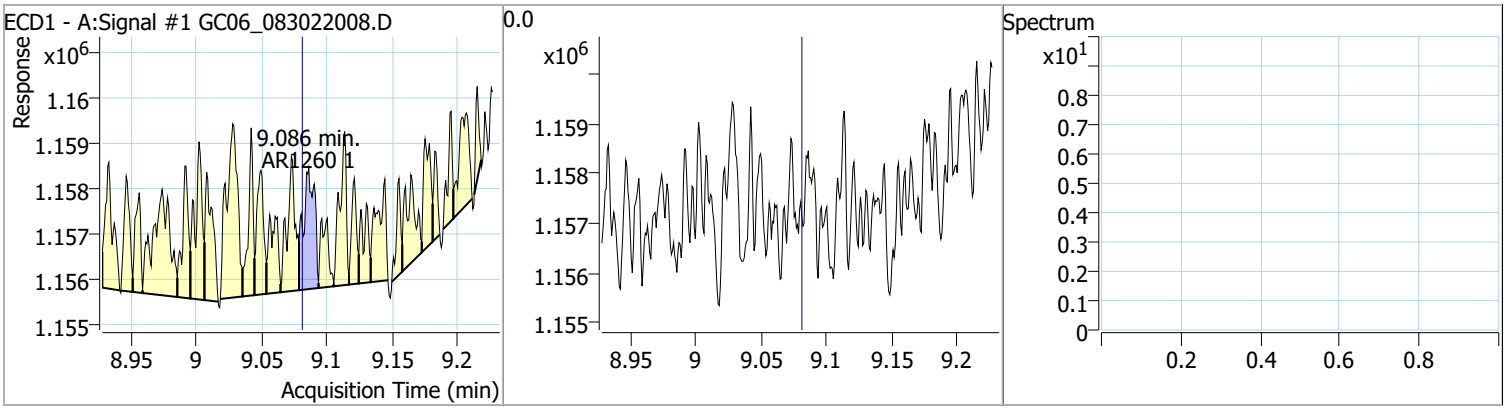
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	21.1301	7.00	-0.03	36944				



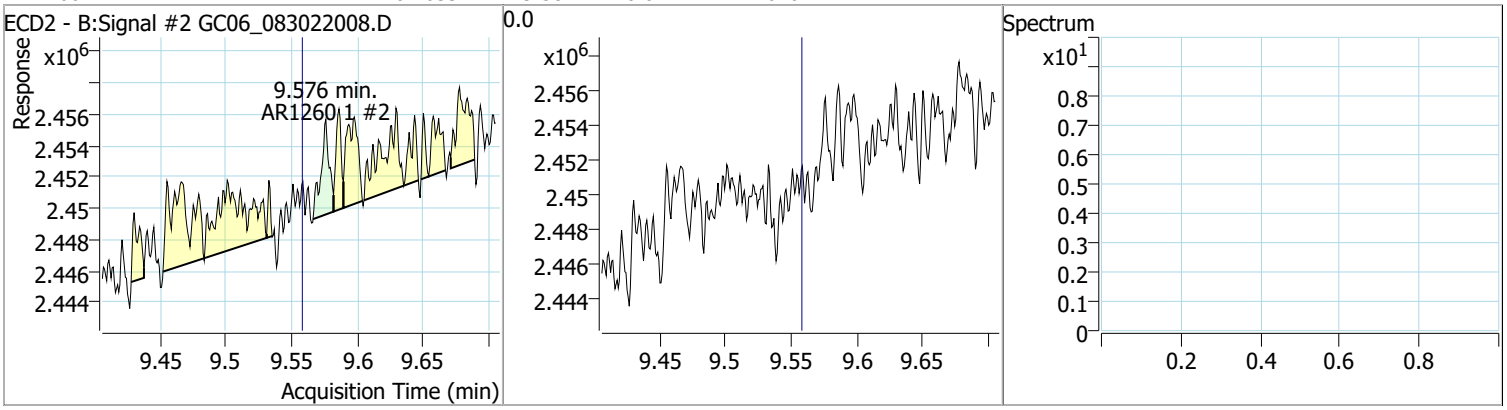
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.7022	7.30	-0.02	5098				



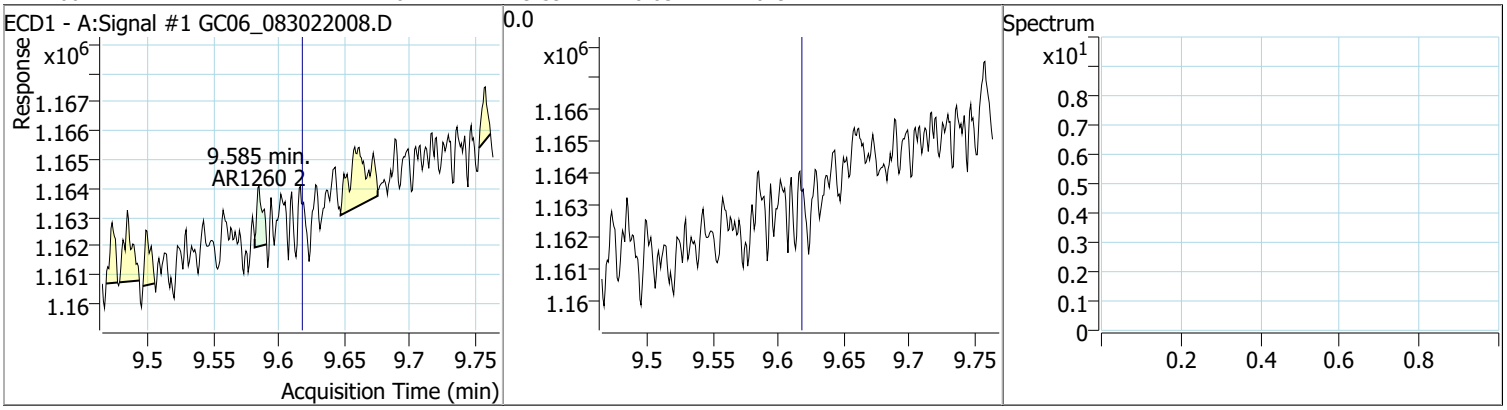
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	0.4254	9.09	0.01	1613				



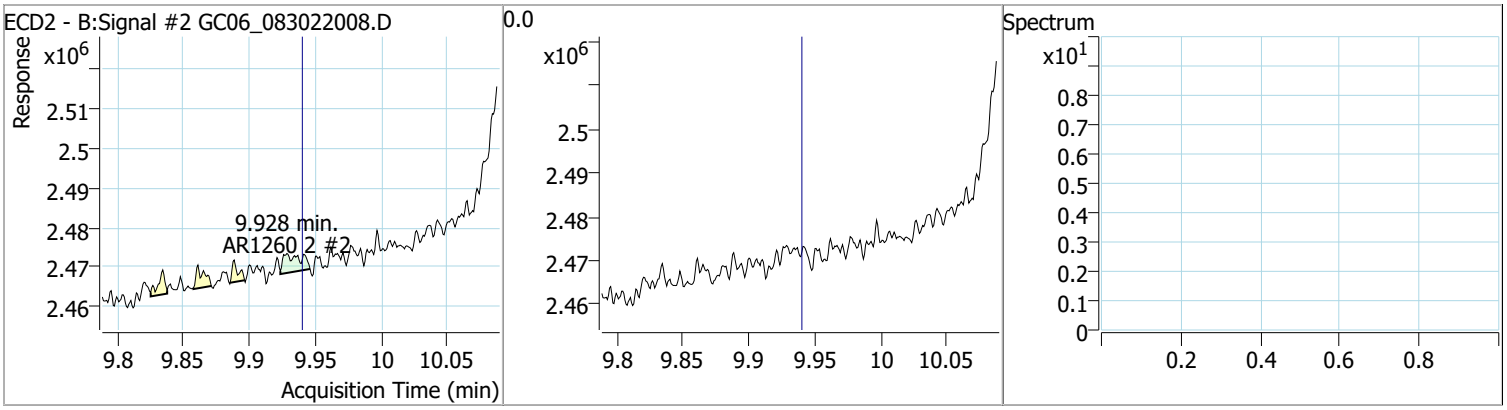
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	0.1633	9.58	0.02	2640				



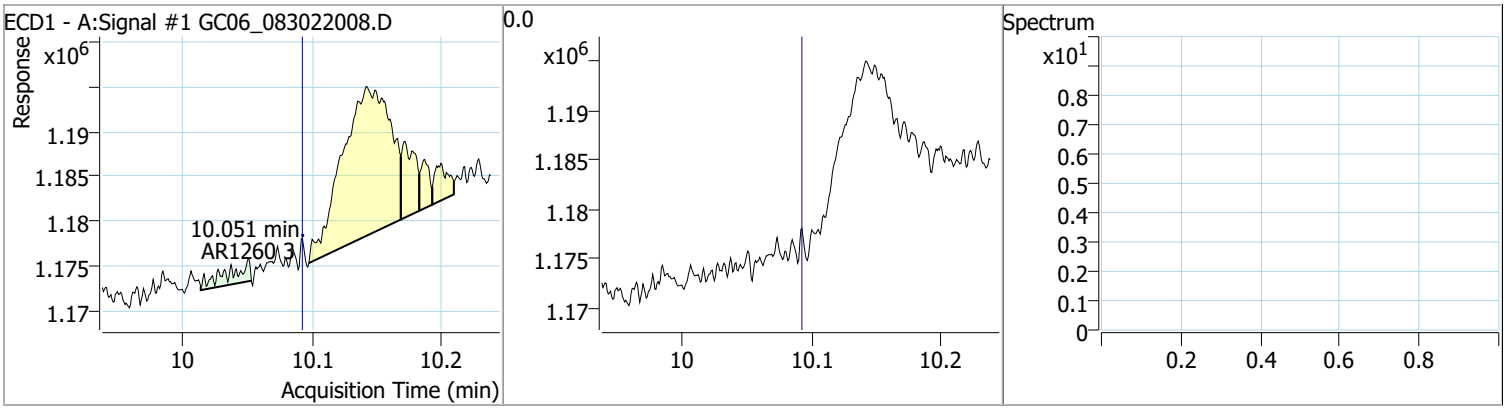
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.1112	9.59	-0.03	649				



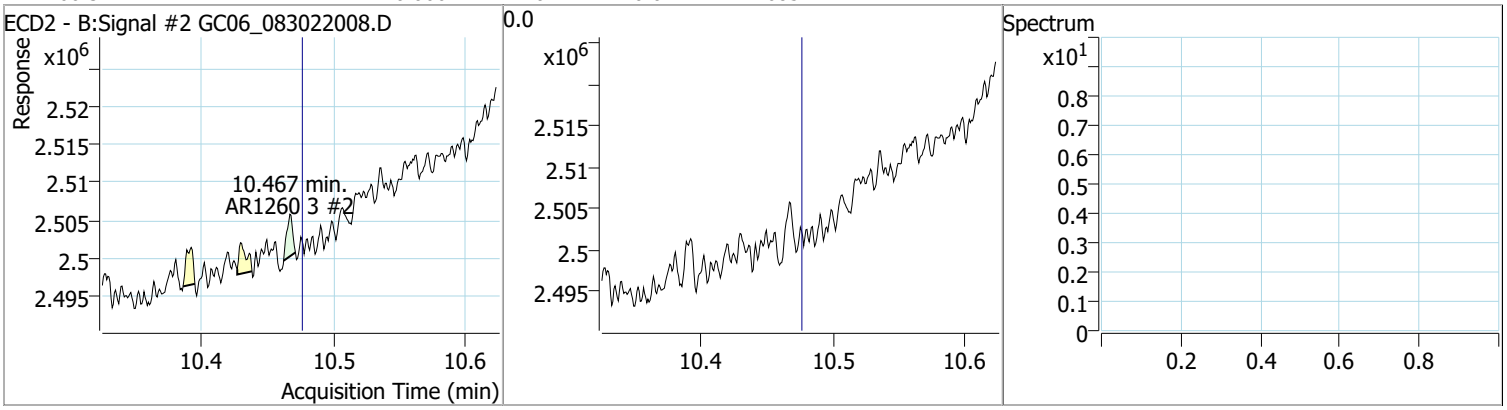
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	0.2349	9.93	-0.01	4387				



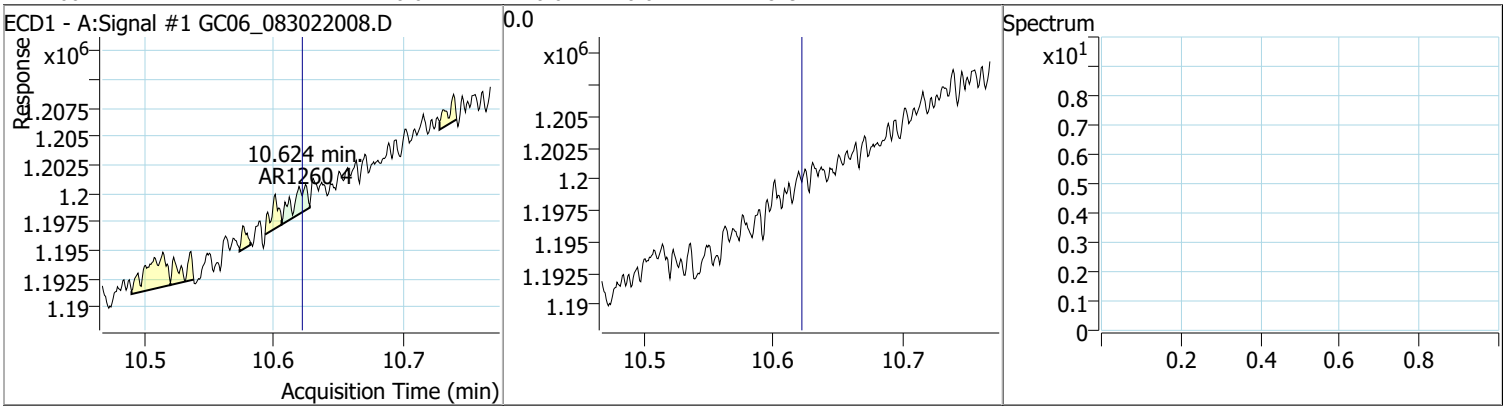
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	0.4634	10.05	-0.04	2813				



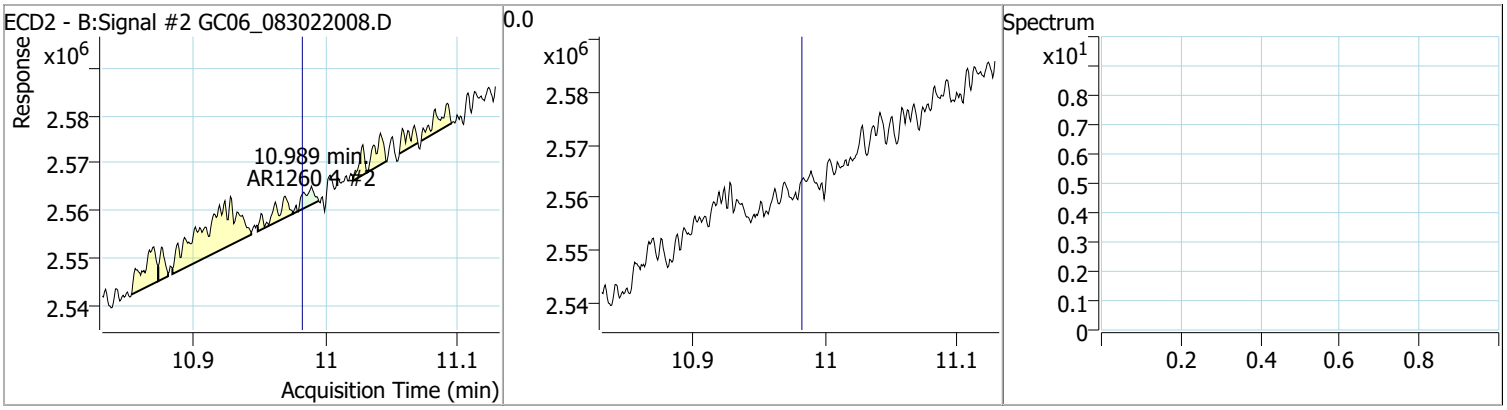
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	0.0664	10.47	-0.01	1685				



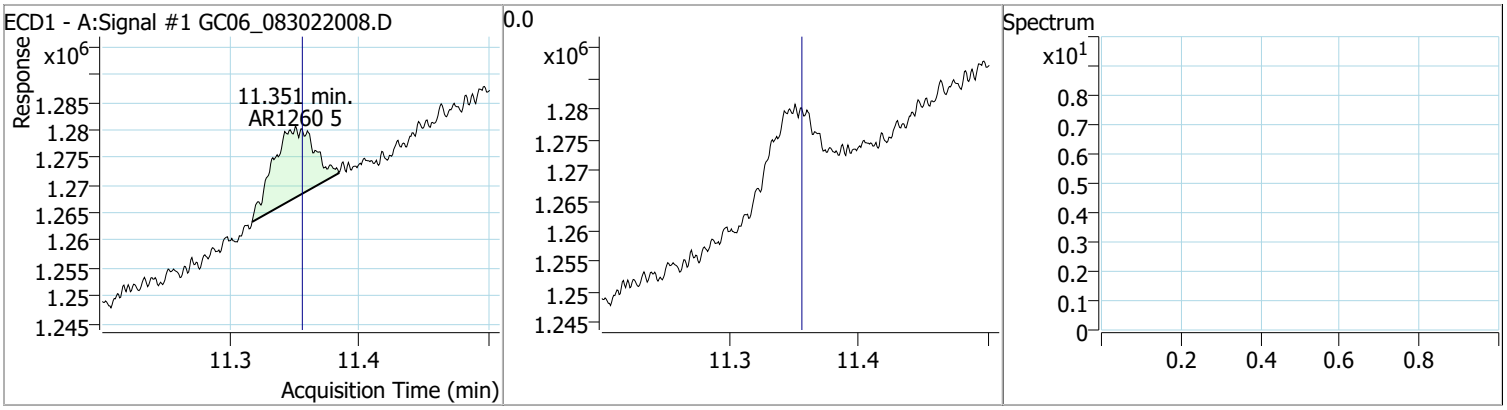
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	0.6221	10.62	0.01	1879				



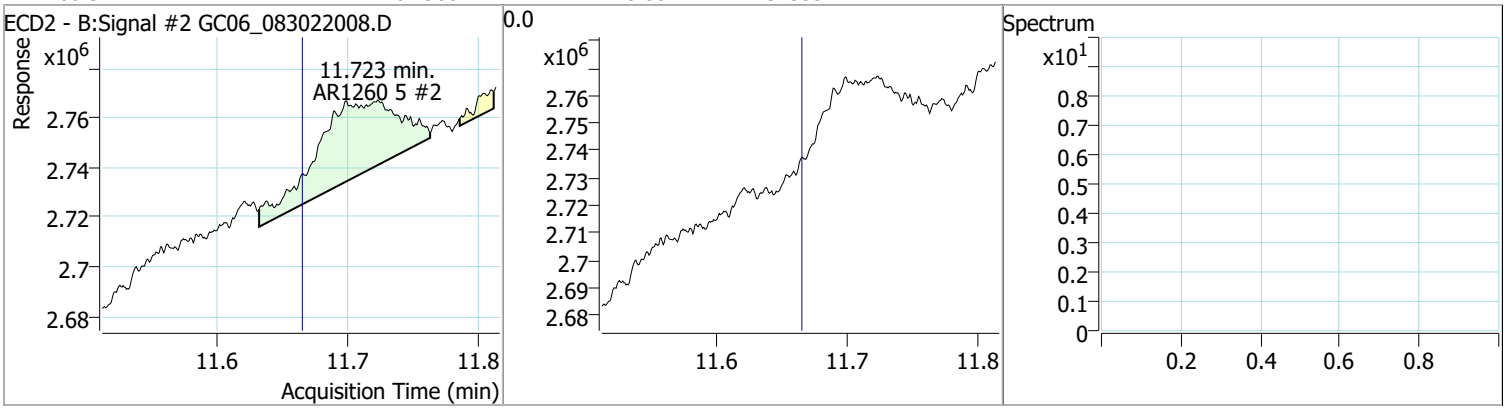
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.1684	10.99	0.01	2312				



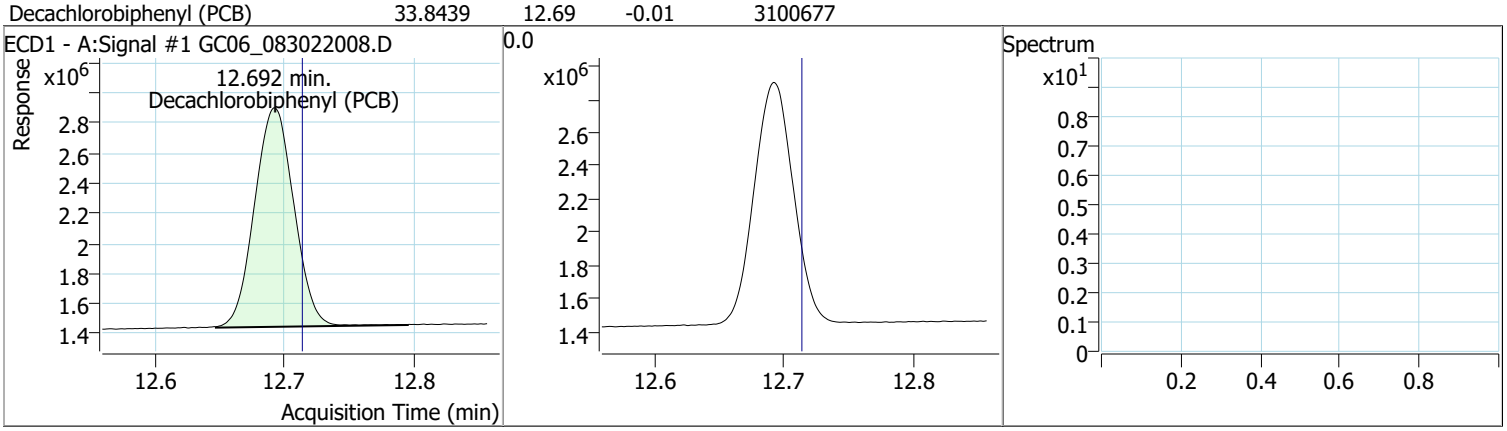
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	7.1076	11.35	0.00	28406				



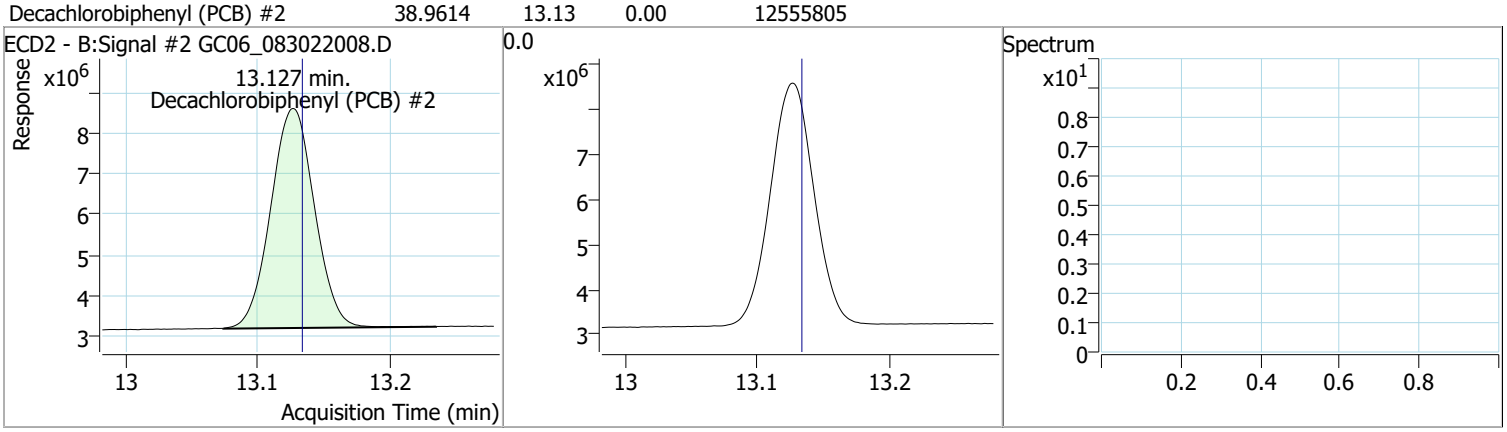
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	6.4986	11.72	0.06	131555				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	33.8439	12.69	-0.01	3100677				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	38.9614	13.13	0.00	12555805				



ENTHALPY SPIKE USER REPORT FOR 467769 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC06	Inst:	SVOA-GC06
Seqnum:	452343556014.5	Seqnum:	452343556015.5
File:	gc06_082622014	File:	gc06_082622015
IDF:	1.0	IDF:	1.0
Lab ID:	QC1008495	Lab ID:	QC1008496
Matrix:	Wipe	Matrix:	Wipe
Batch:	295632	Batch:	295632
Time:	26-AUG-2022 17:35	Time:	26-AUG-2022 17:52
Cal:	452150634002	Cal:	452150634002
Units:	ug/dm2		

- BS: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Aroclor-1016	5.000	509.5	5.095	A	102	569.0	5.690	A	114	60-140	11	20	u
Aroclor-1016 Peak # 1		538.6	5.386	A		607.5	6.075	A					
Aroclor-1016 Peak # 2		484.2	4.842	A		542.9	5.429	A					
Aroclor-1016 Peak # 3		498.6	4.986	A		562.6	5.626	A					
Aroclor-1016 Peak # 4		461.8	4.618	A		509.5	5.095	A					
Aroclor-1016 Peak # 5		564.3	5.643	A		622.7	6.227	A					
Aroclor-1260	5.000	564.8	5.648	A	113	616.1	6.161	A	123	60-140	9	20	u
Aroclor-1260 Peak # 1		558.8	5.588	A		608.5	6.085	A					
Aroclor-1260 Peak # 2		540.2	5.402	A		587.3	5.873	A					
Aroclor-1260 Peak # 3		541.4	5.414	A		588.0	5.880	A					
Aroclor-1260 Peak # 4		620.0	6.200	A		676.5	6.765	A					
Aroclor-1260 Peak # 5		563.6	5.636	A		620.2	6.202	A					
Surrogates													
TCMX (PCB)	0.5000	41.28	0.4128	A	83	48.65	0.4865	A	97	52-186			c+ u
Decachlorobiphenyl (PCB)	0.5000	39.59	0.3959	A	79	43.82	0.4382	A	88	60-140			u

ISTD (CCV gc06_082622002)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8218495	9631063	17.19
1-bromo-2-nitrobenzene (PCB)	A	1919479	1765534	-8.02

ISTD (CCV gc06_082622002)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.13	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

ISTD (CCV gc06_082622002)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8218495	8789073	6.94
1-bromo-2-nitrobenzene (PCB)	A	1919479	1599891	-16.65

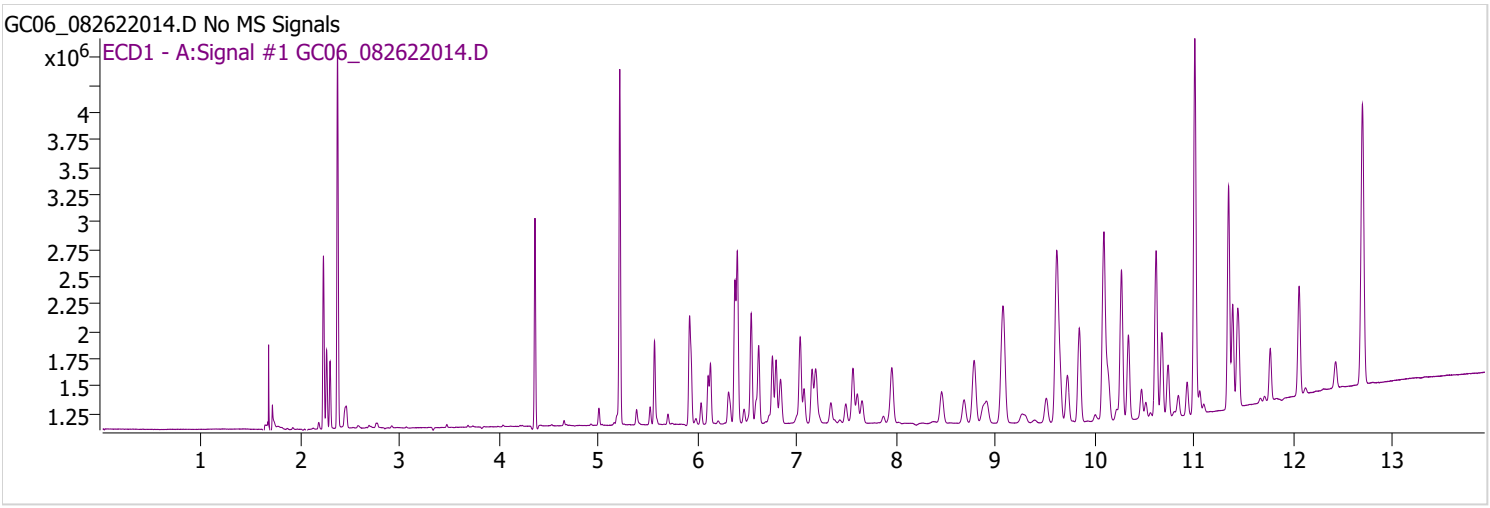
ISTD (CCV gc06_082622002)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.13	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

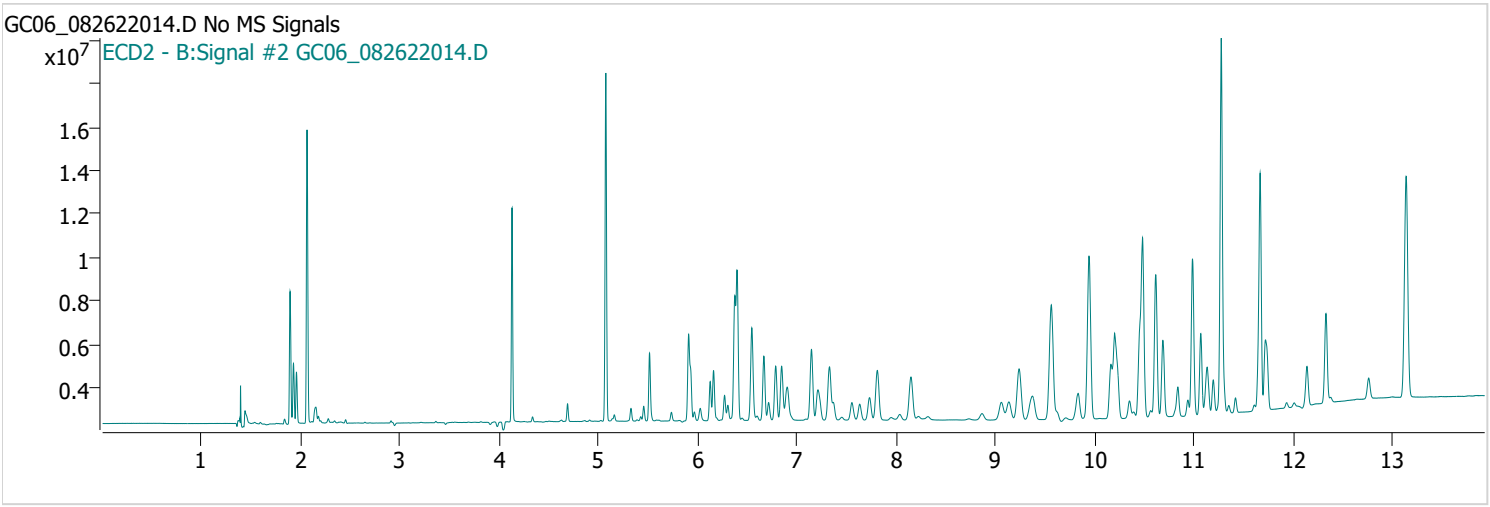
Analyst: TRN 08/30/22

Reviewer: LW 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622014.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/26/2022 5:35:08 PM
Sample Name	QC1008495, 295632, 1	Instrument	SVOA-GC06
Vial	4	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



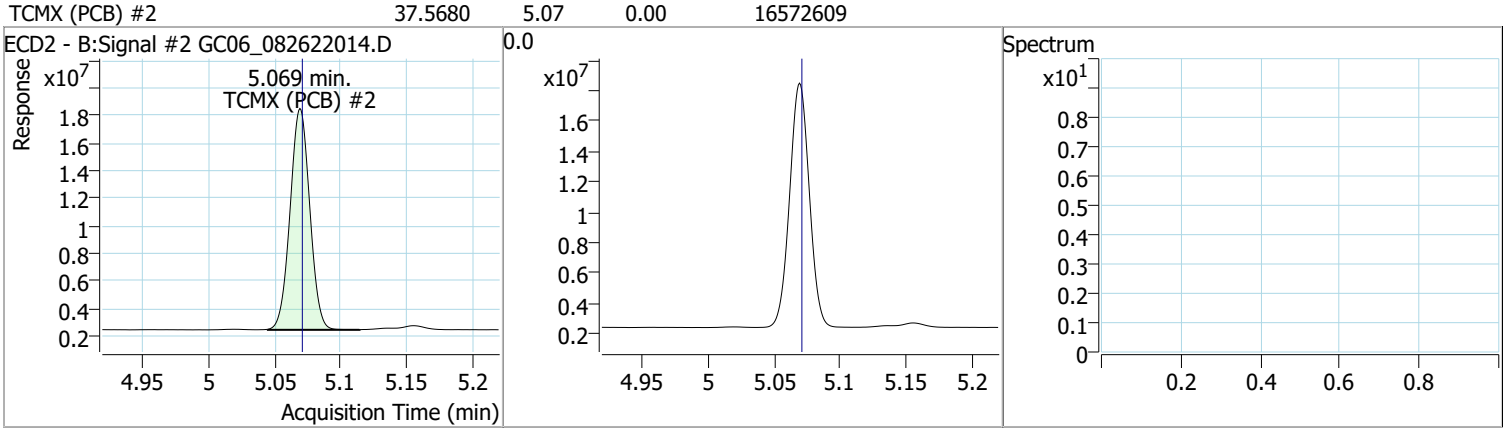


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.125	0.0	9631063.152	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.356	0.0	1765533.699	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB) #2	5.069	0.0	16572609.397	37.5680	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.84%		*	
S TCMX (PCB)	5.210	0.0	3504580.148	41.2678	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 206.34%		*	
S Decachlorobiphenyl (PCB)	12.692	0.0	5312976.198	39.5779	ng/ml		-0.014
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 197.89%		*	
S Decachlorobiphenyl (PCB) #2	13.132	0.0	24087905.970	41.4481	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 207.24%		*	
Target Compounds							QValue

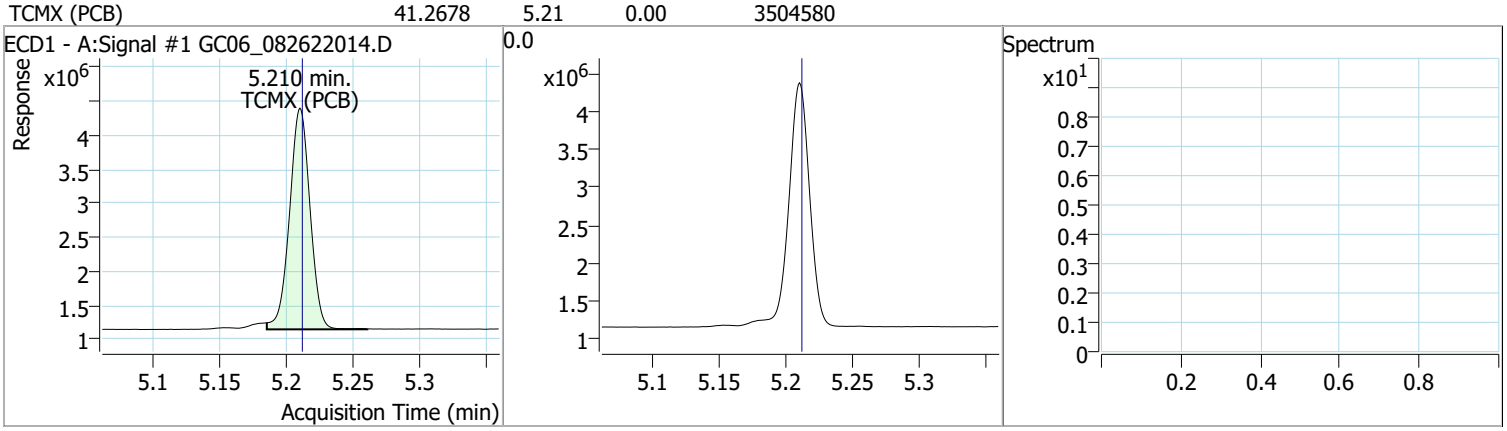
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.510	0.0	3869584.295	429.0387	ng/ml	100
T AR1016 1	5.560	0.0	929923.463	538.4610	ng/ml	100
T AR1016 2 #2	5.904	0.0	8080851.288	431.7368	ng/ml	100
T AR1016 2	5.913	0.0	1820497.686	484.1328	ng/ml	100
T AR1016 3 #2	6.391	0.0	18214273.353	737.8952	ng/ml	100
T AR1016 3	6.394	0.0	2206021.922	498.4762	ng/ml	100
T AR1016 4	6.534	0.0	1528983.389	461.6779	ng/ml	100
T AR1016 4 #2	6.540	0.0	7417663.176	442.9372	ng/ml	100
T AR1016 5	7.028	0.0	1445345.082	564.1860	ng/ml	100
T AR1016 5 #2	7.323	0.0	6870461.744	524.7490	ng/ml	100
T AR1260 1	9.070	0.0	3104121.667	558.6772	ng/ml	100
T AR1260 1 #2	9.558	0.0	15479625.352	531.0463	ng/ml	100
T AR1260 2	9.613	0.0	4621590.742	540.0415	ng/ml	100
T AR1260 2 #2	9.937	0.0	17321625.376	514.2831	ng/ml	100
T AR1260 3	10.088	0.0	4815126.341	541.2412	ng/ml	100
T AR1260 3 #2	10.477	0.0	22290490.139	487.1206	ng/ml	100
T AR1260 4	10.613	0.0	2742550.812	619.8571	ng/ml	100
T AR1260 4 #2	10.980	0.0	12991874.333	524.6834	ng/ml	100
T AR1260 5	11.343	0.0	3299314.236	563.4124	ng/ml	100
T AR1260 5 #2	11.661	0.0	19613140.163	537.2508	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

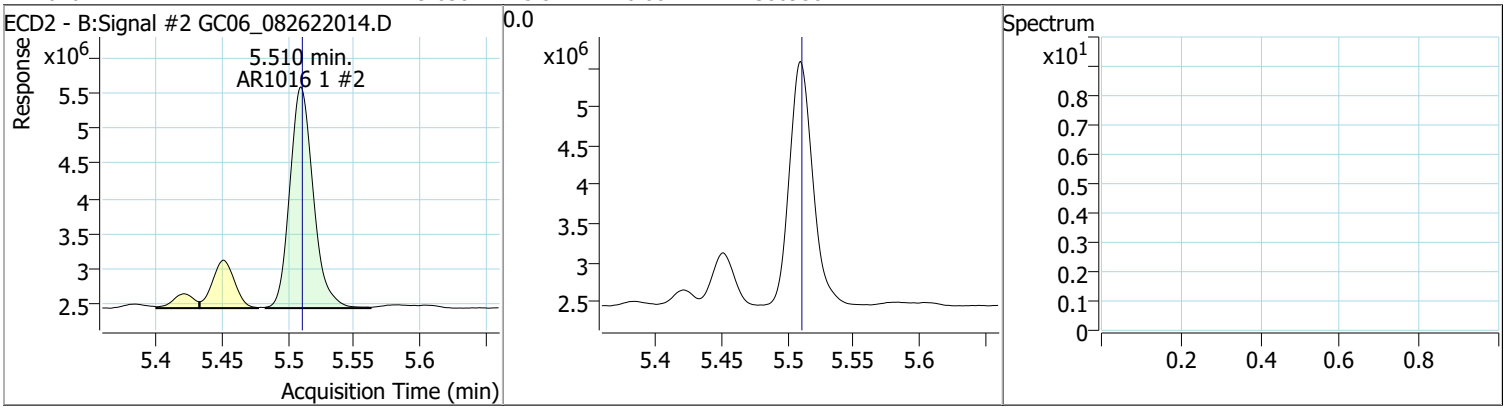
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.5680	5.07	0.00	16572609				



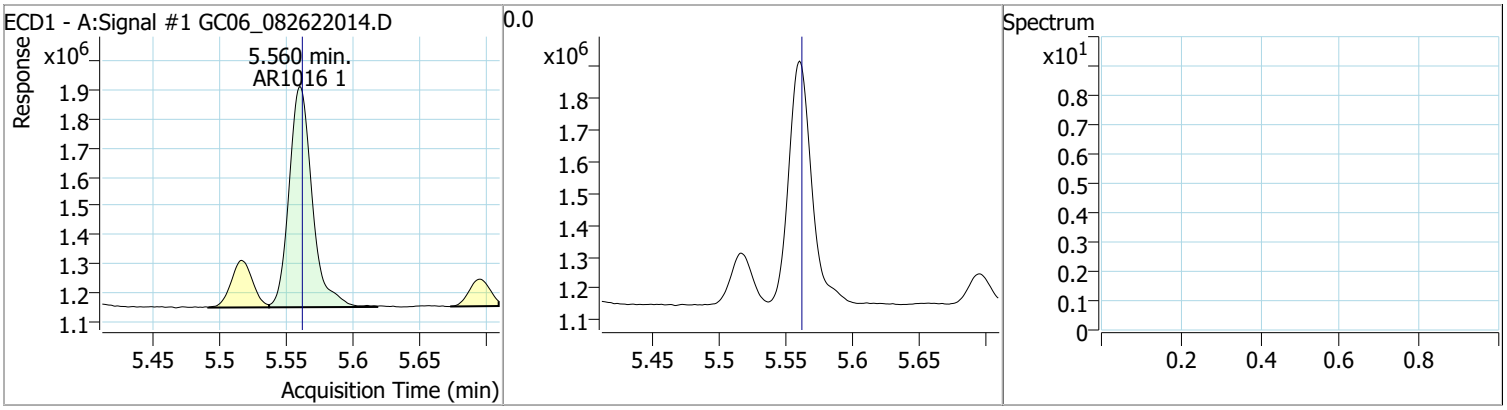
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	41.2678	5.21	0.00	3504580				



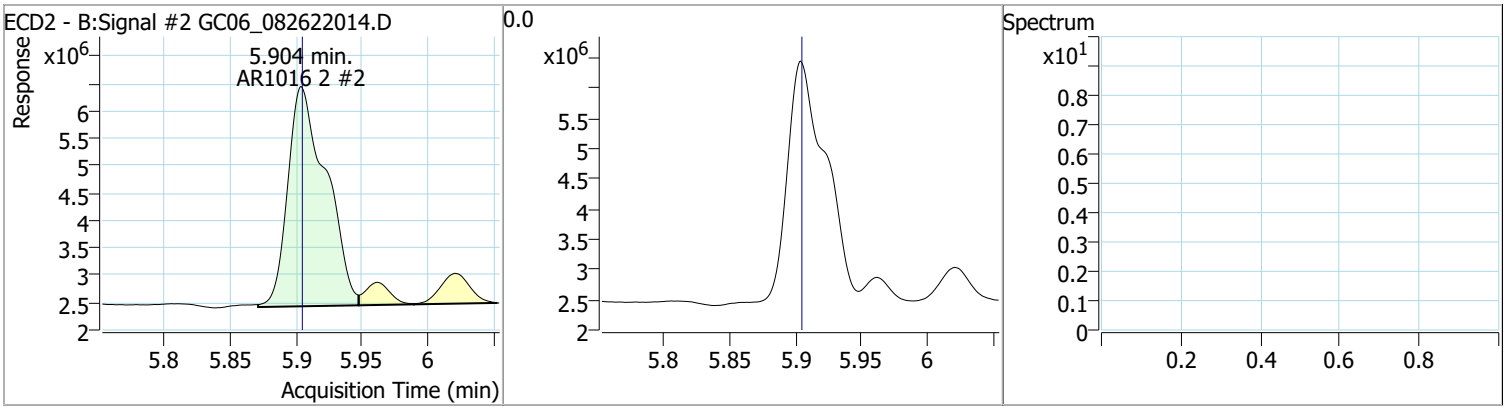
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	429.0387	5.51	0.00	3869584				



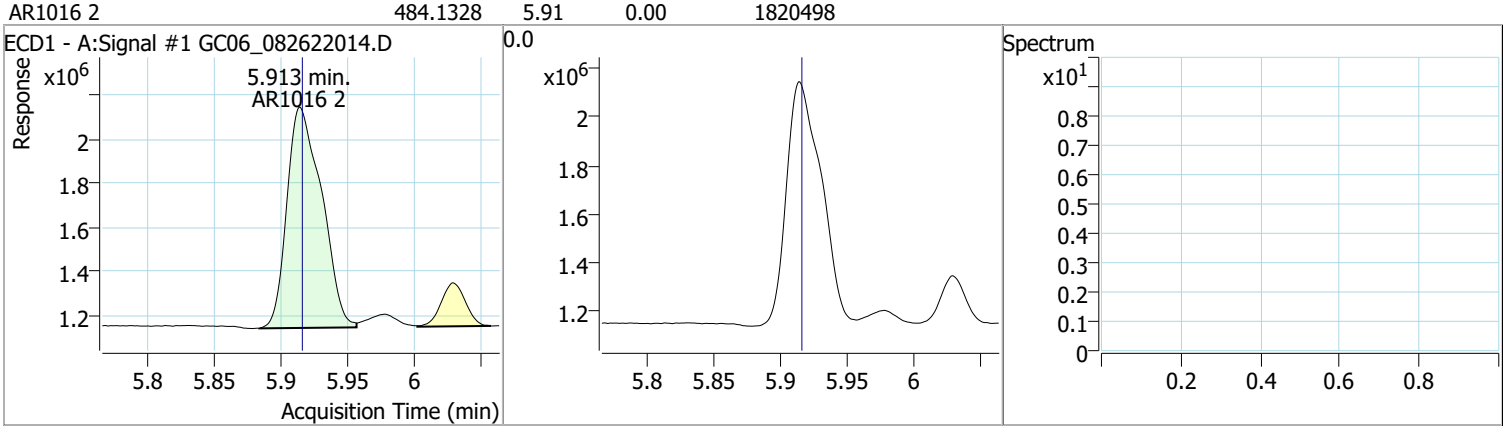
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	538.4610	5.56	0.00	929923				



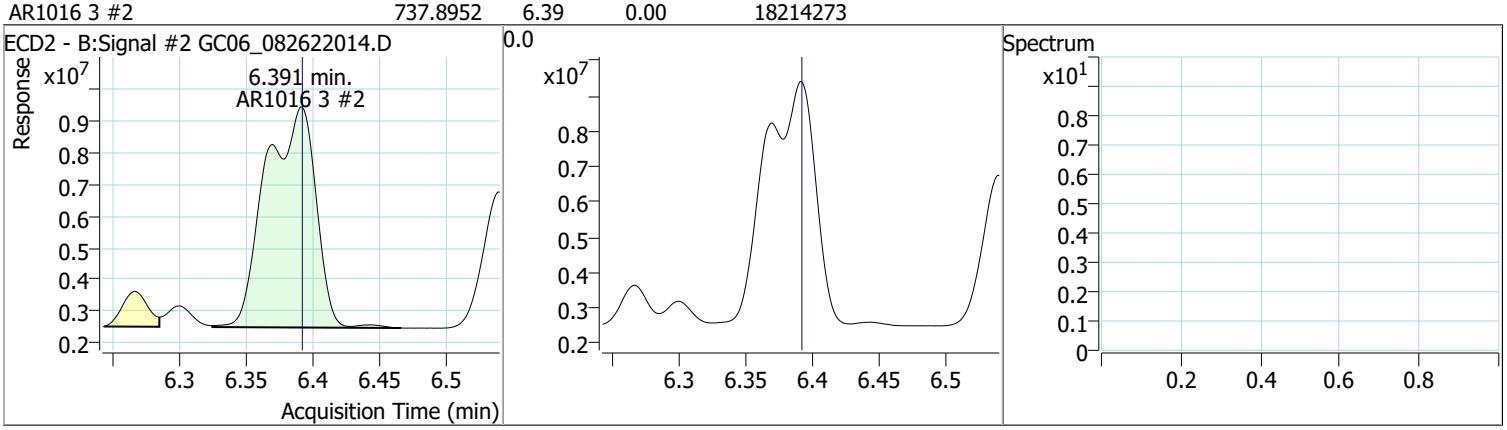
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	431.7368	5.90	0.00	8080851				



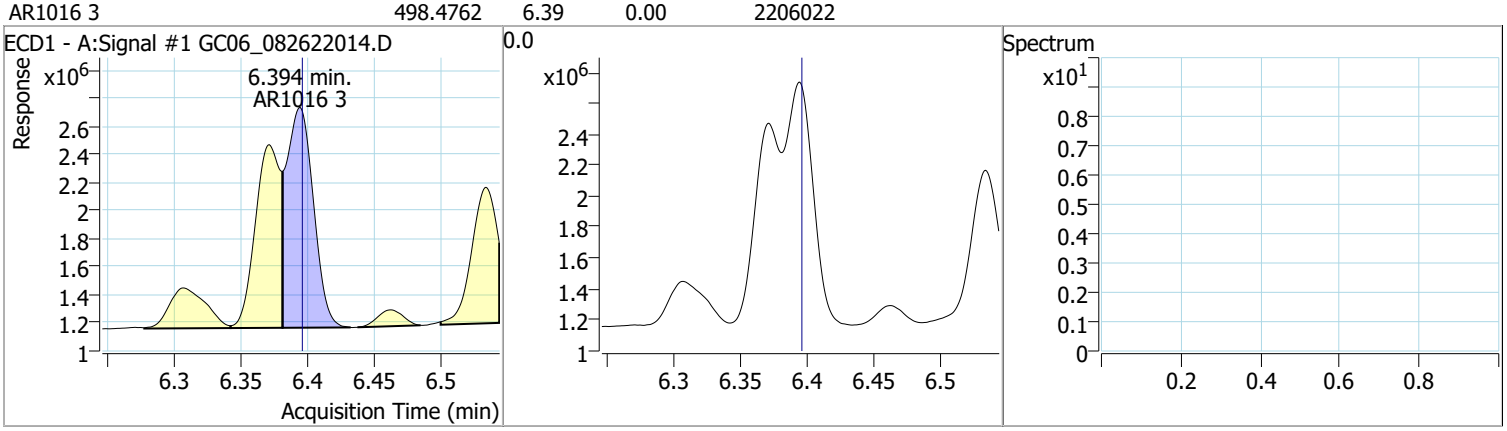
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	484.1328	5.91	0.00	1820498				



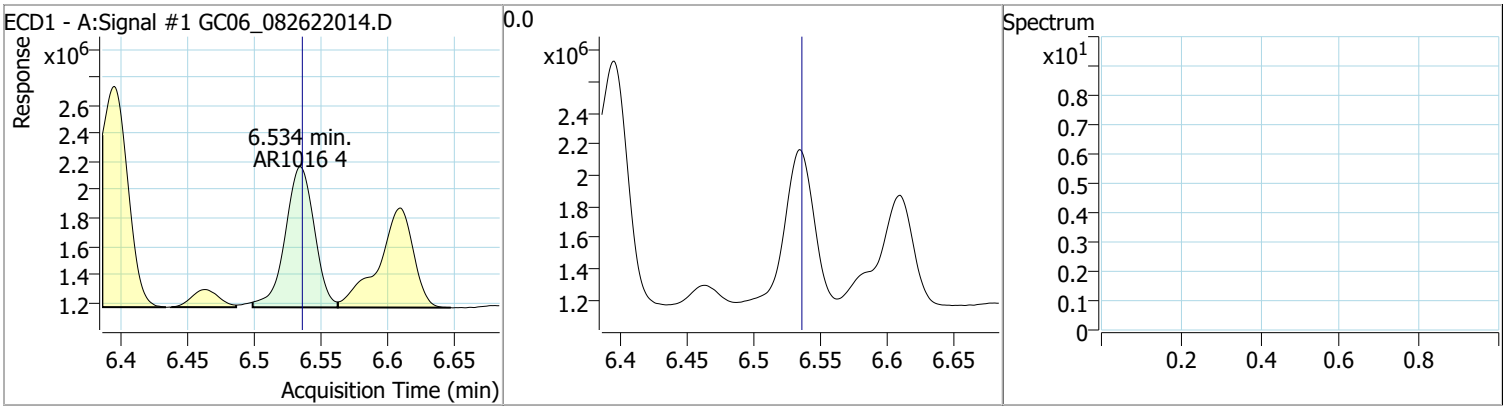
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	737.8952	6.39	0.00	18214273				



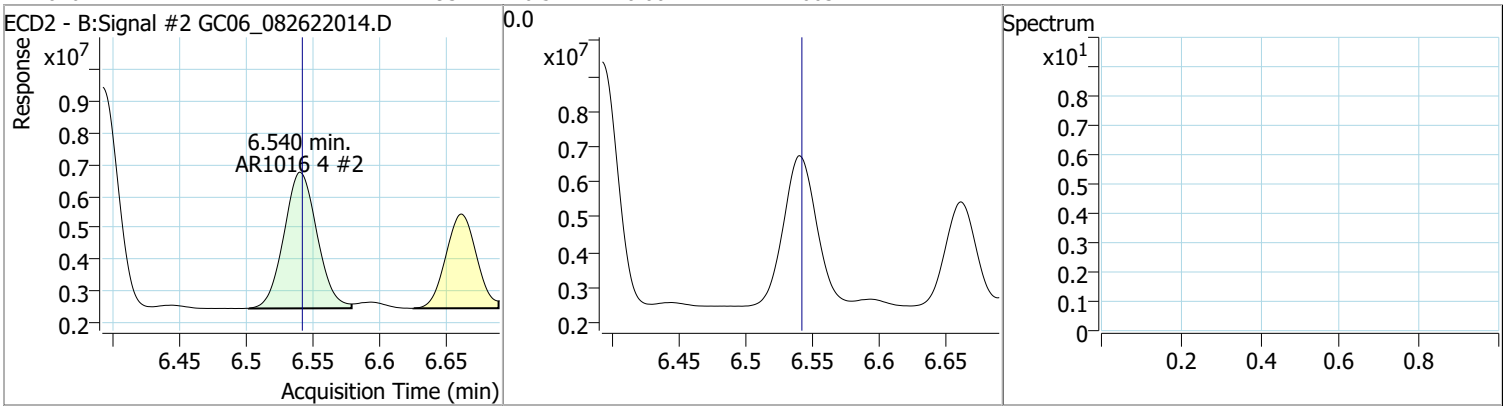
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	498.4762	6.39	0.00	2206022				



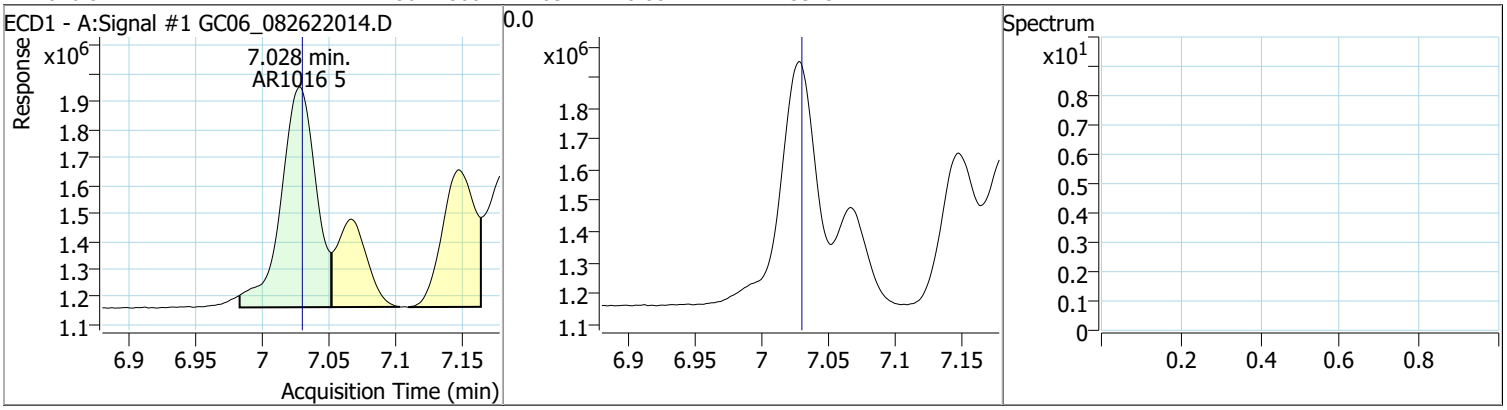
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	461.6779	6.53	0.00	1528983				



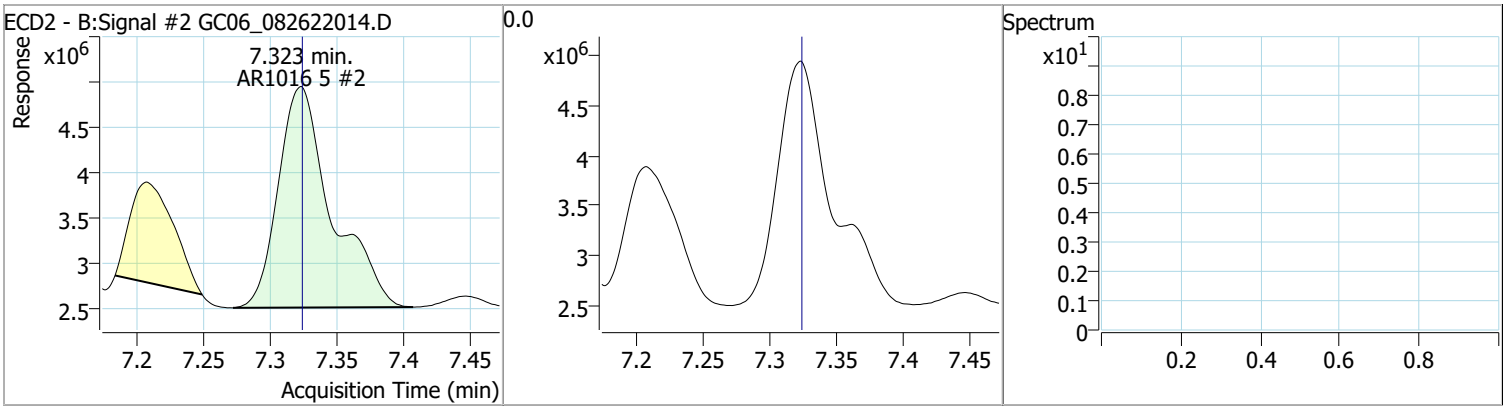
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	442.9372	6.54	0.00	7417663				



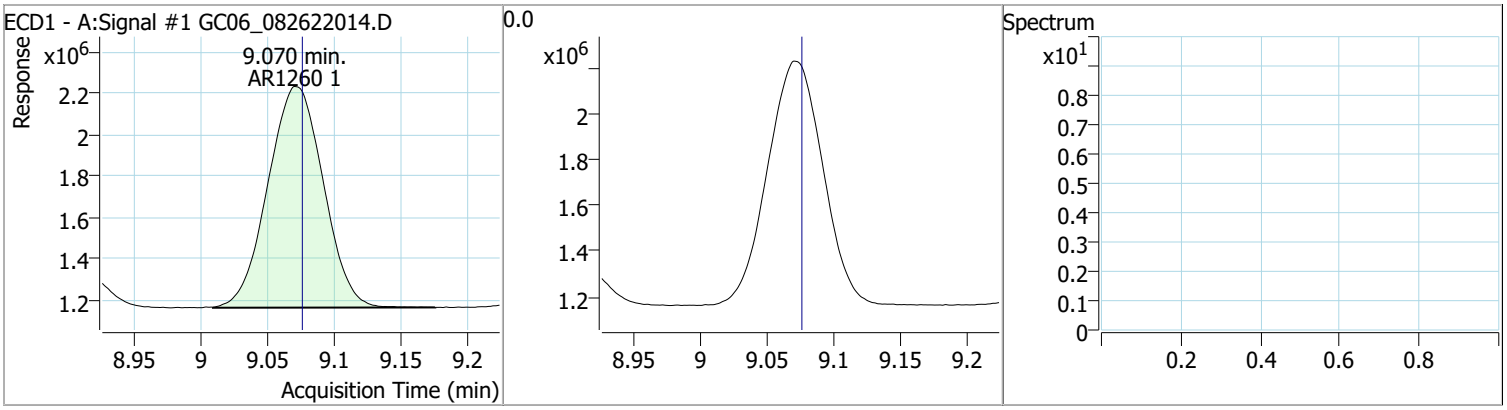
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	564.1860	7.03	0.00	1445345				



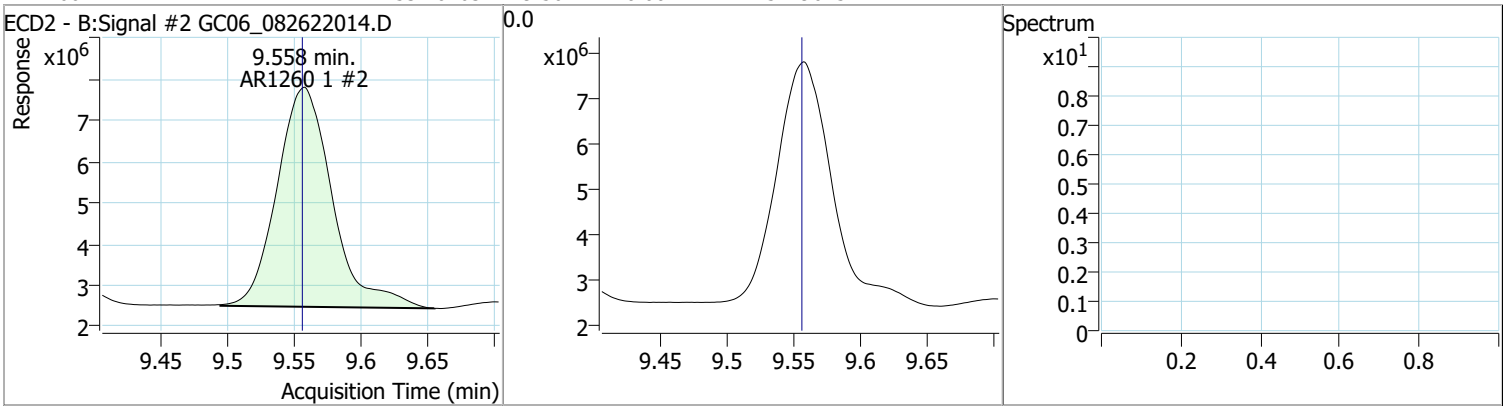
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	524.7490	7.32	0.00	6870462				



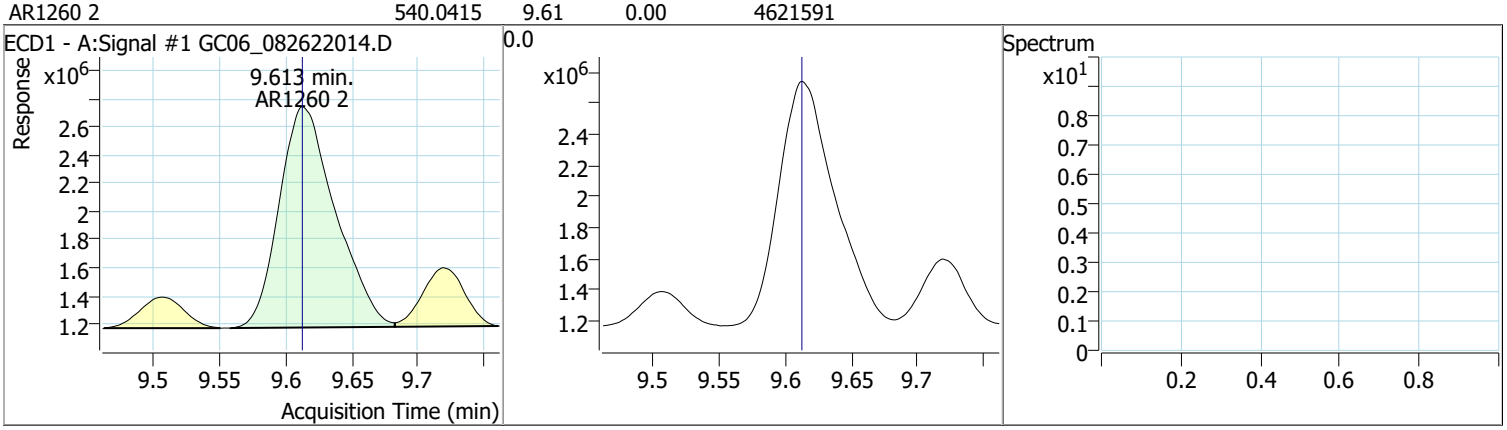
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	558.6772	9.07	0.00	3104122				



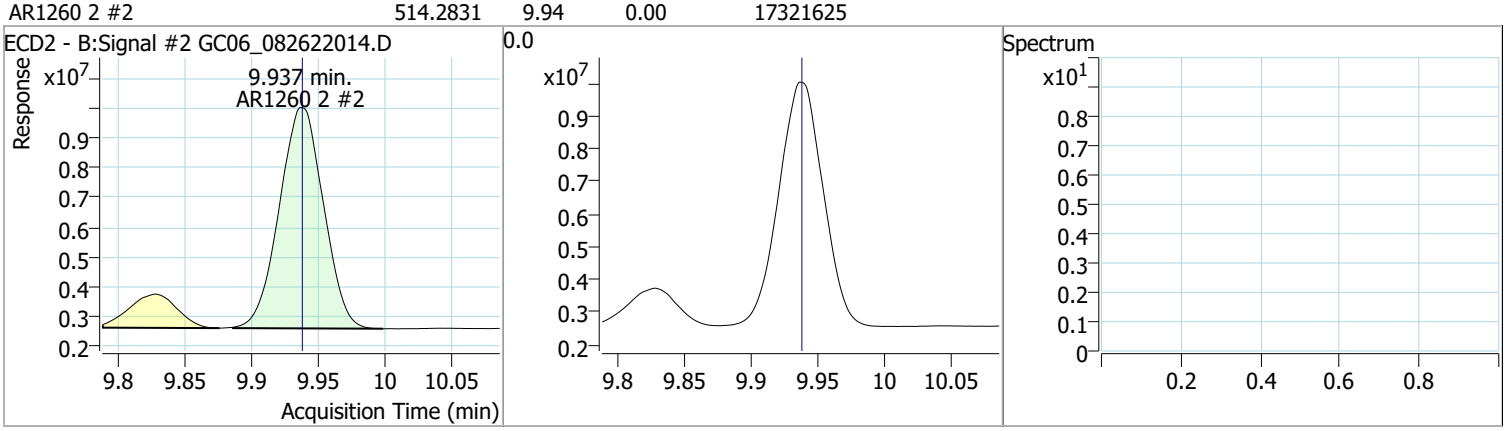
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	531.0463	9.56	0.00	15479625				



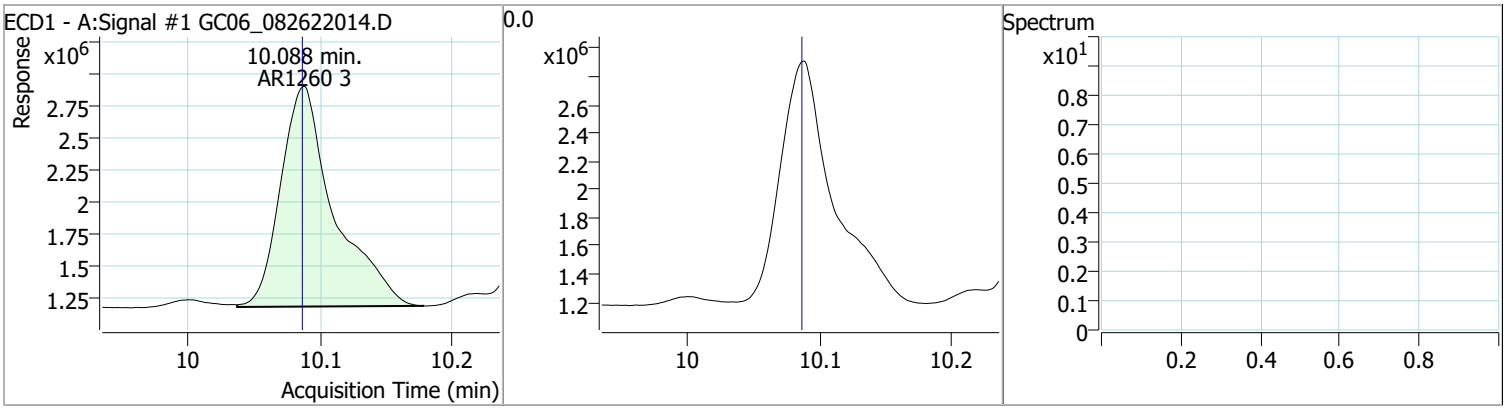
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	540.0415	9.61	0.00	4621591				



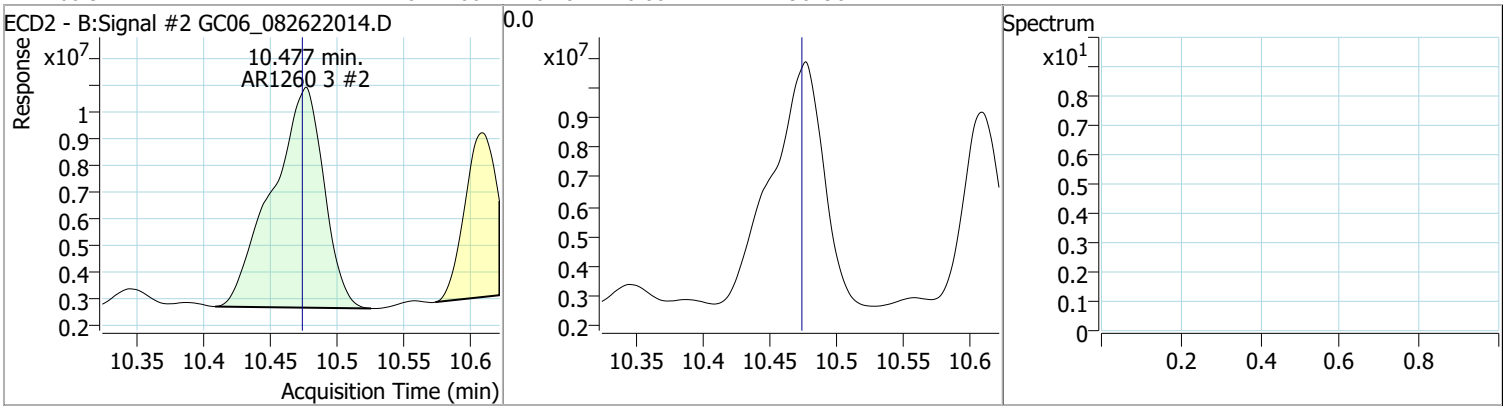
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	514.2831	9.94	0.00	17321625				



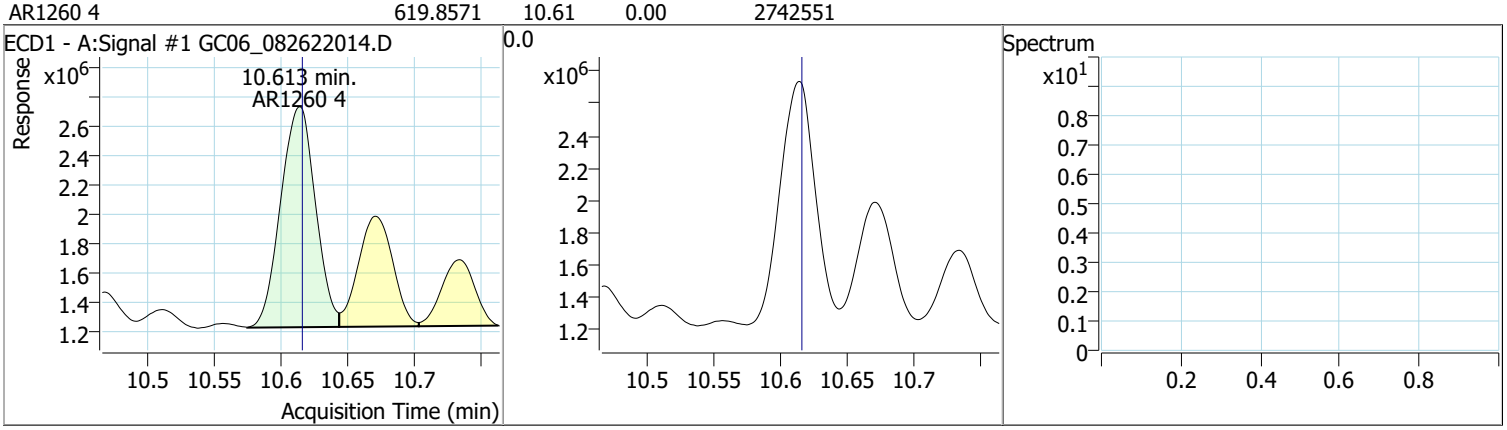
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	541.2412	10.09	0.00	4815126				



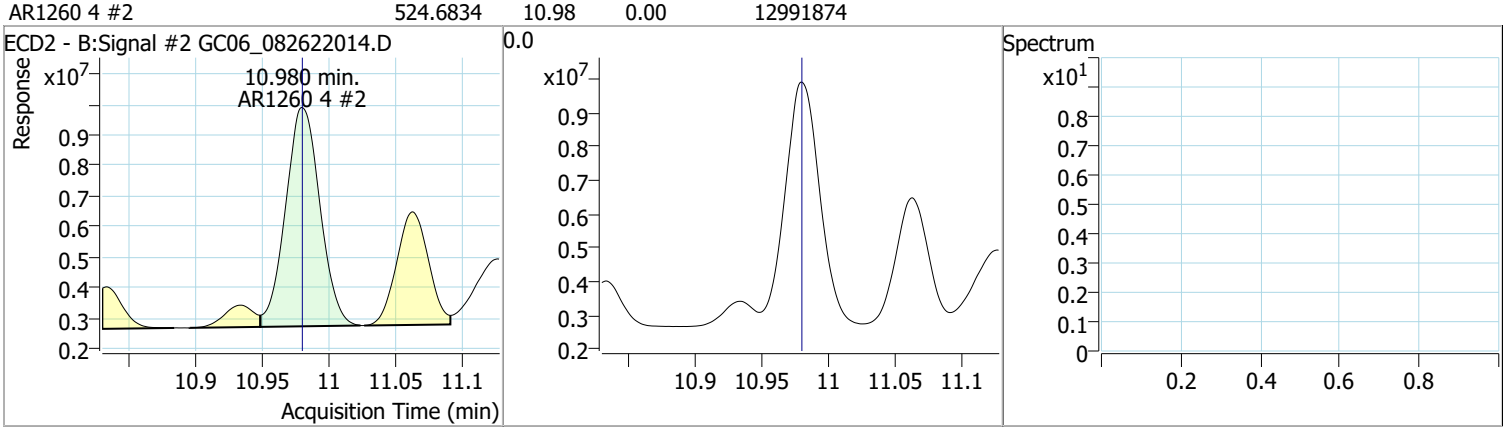
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	487.1206	10.48	0.00	22290490				



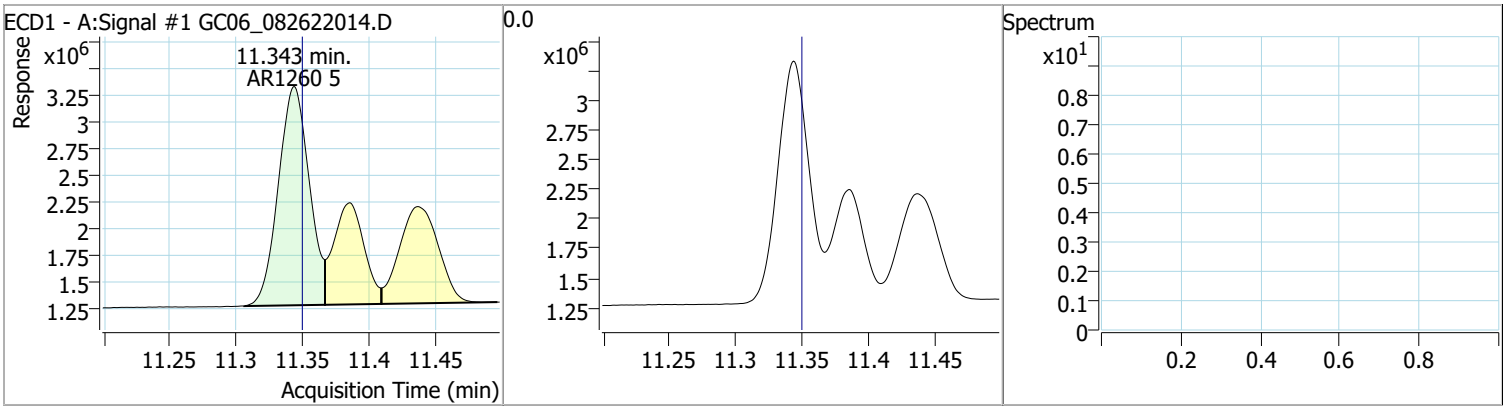
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	619.8571	10.61	0.00	2742551				



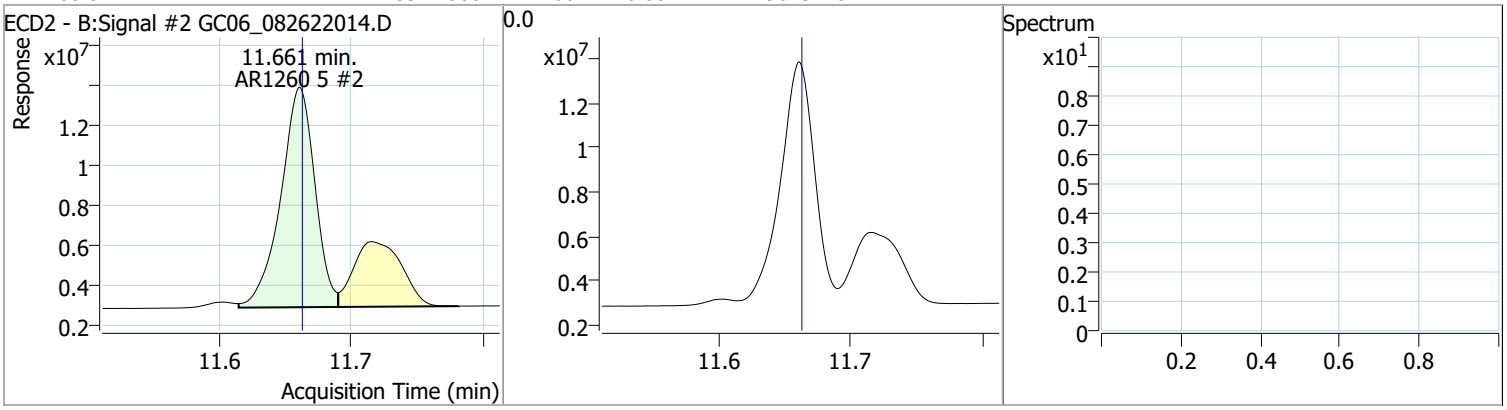
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	524.6834	10.98	0.00	12991874				



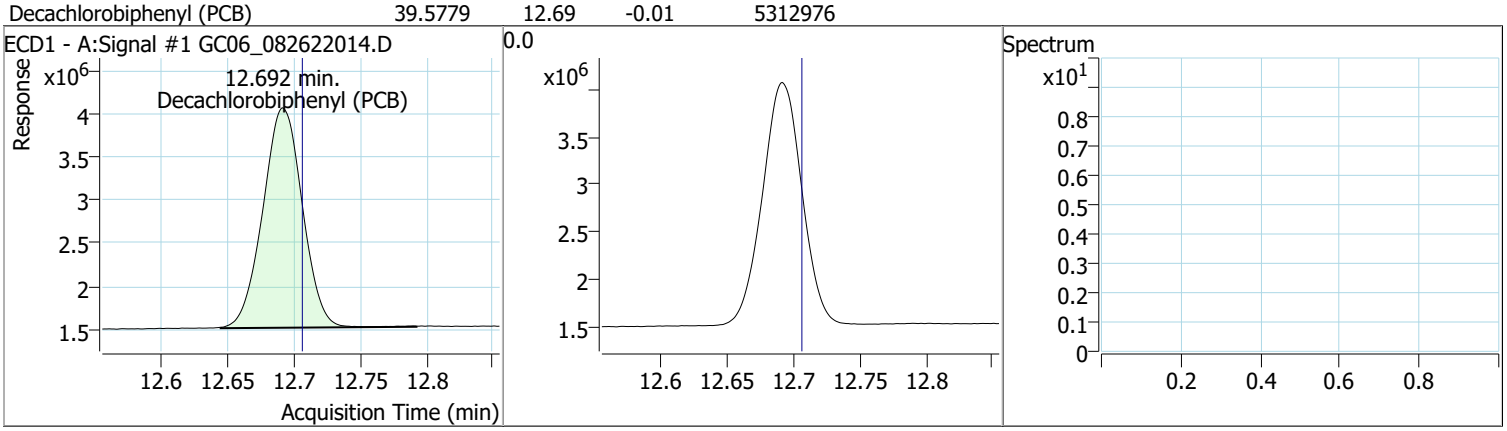
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	563.4124	11.34	-0.01	3299314				



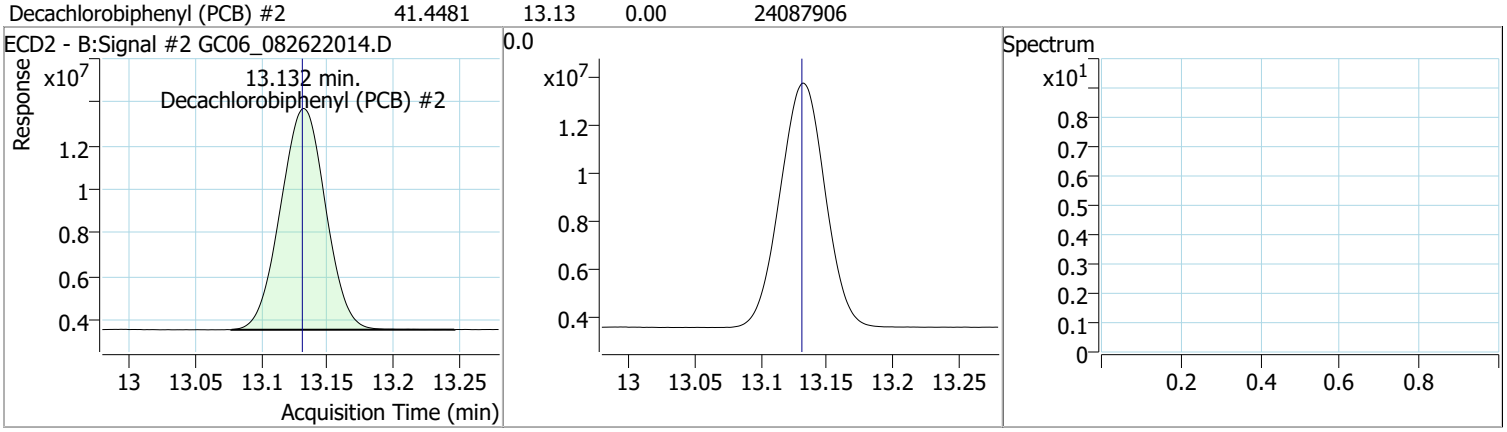
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	537.2508	11.66	0.00	19613140				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	39.5779	12.69	-0.01	5312976				

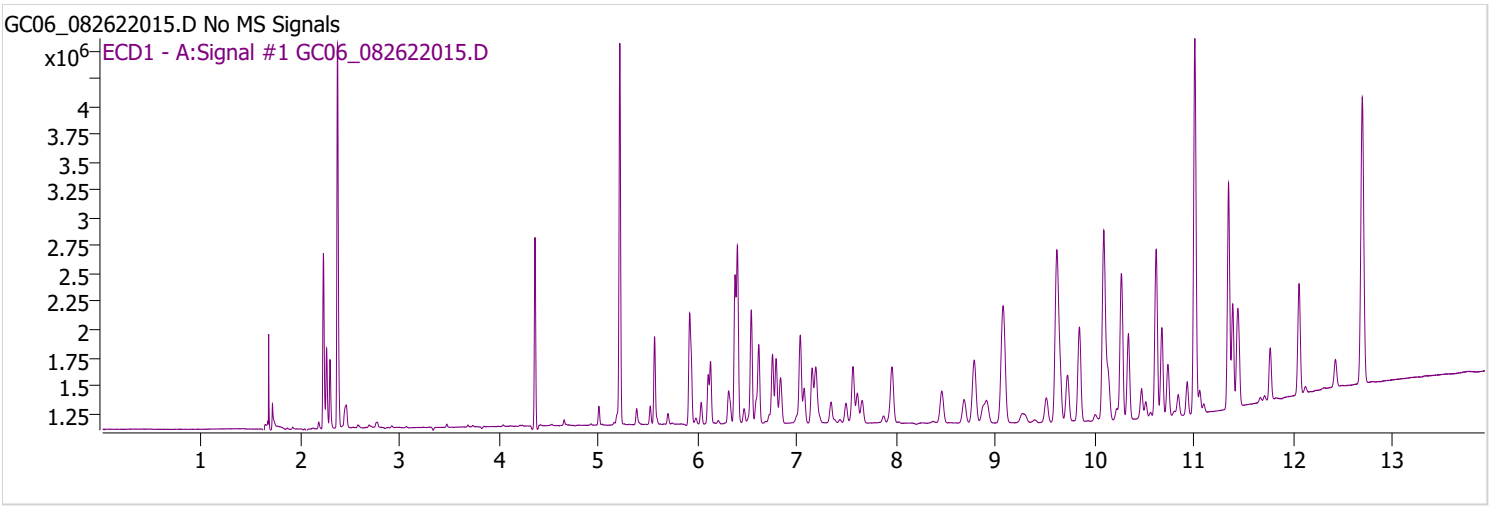


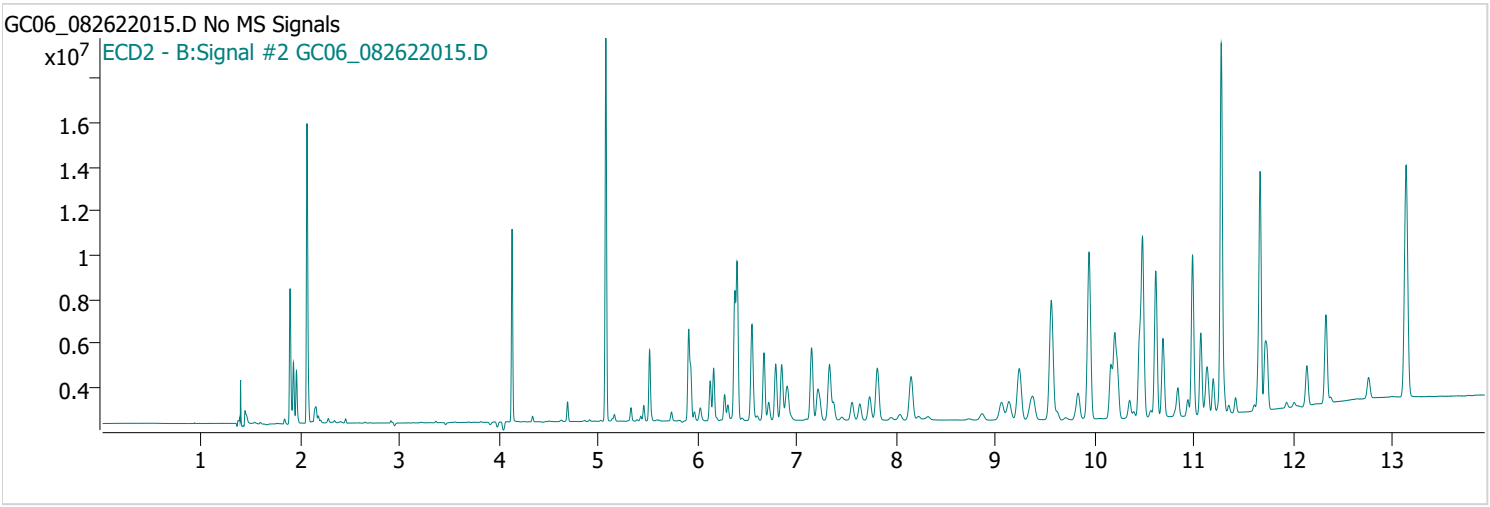
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	41.4481	13.13	0.00	24087906				



Quantitation Results Report (Not Reviewed)

Data File	GC06_082622015.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/26/2022 5:52:34 PM
Sample Name	QC1008496, 295632, 1	Instrument	SVOA-GC06
Vial	5	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



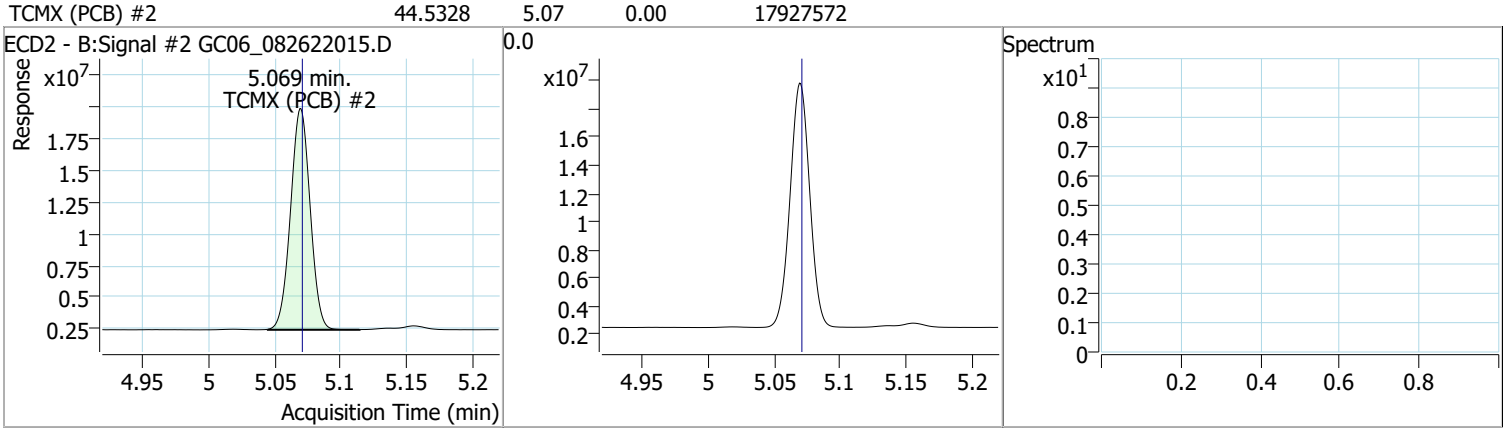


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.125	0.0	8789072.546	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.356	0.0	1599891.303	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB) #2	5.069	0.0	17927572.452	44.5328	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 222.66%		*	
S TCMX (PCB)	5.210	0.0	3743226.316	48.6415	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 243.21%		*	
S Decachlorobiphenyl (PCB)	12.689	0.0	5329331.341	43.8099	ng/ml		-0.017
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 219.05%		*	
S Decachlorobiphenyl (PCB) #2	13.131	0.0	24399310.285	46.0060	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 230.03%		*	
Target Compounds							QValue

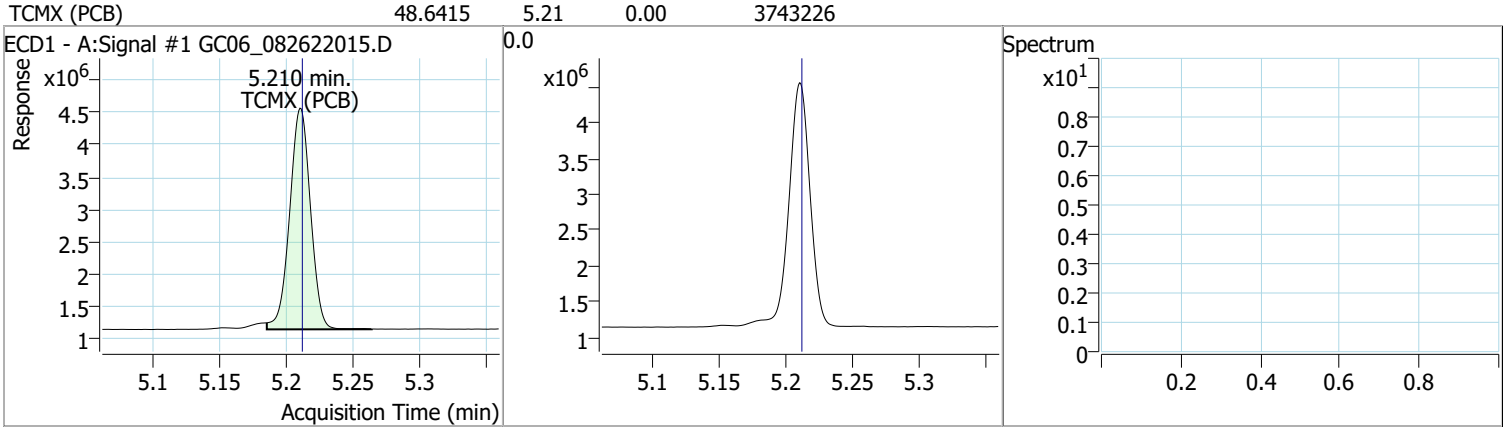
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.510	0.0	3981761.142	483.7696	ng/ml	100
T AR1016 1	5.560	0.0	950438.945	607.3189	ng/ml	100
T AR1016 2 #2	5.904	0.0	8286663.394	485.1464	ng/ml	100
T AR1016 2	5.914	0.0	1849479.153	542.7619	ng/ml	100
T AR1016 3 #2	6.391	0.0	10920221.937	484.7809	ng/ml	100
T AR1016 3	6.394	0.0	2255686.796	562.4694	ng/ml	100
T AR1016 4	6.534	0.0	1528578.074	509.3420	ng/ml	100
T AR1016 4 #2	6.542	0.0	7584949.890	496.3168	ng/ml	100
T AR1016 5	7.028	0.0	1445276.491	622.5686	ng/ml	100
T AR1016 5 #2	7.323	0.0	6916607.736	578.8820	ng/ml	100
T AR1260 1	9.072	0.0	3063010.154	608.3538	ng/ml	100
T AR1260 1 #2	9.557	0.0	15160353.573	569.9181	ng/ml	100
T AR1260 2	9.613	0.0	4553560.054	587.1813	ng/ml	100
T AR1260 2 #2	9.937	0.0	17193819.607	559.3932	ng/ml	100
T AR1260 3	10.086	0.0	4739340.839	587.8773	ng/ml	100
T AR1260 3 #2	10.475	0.0	22181533.135	531.1774	ng/ml	100
T AR1260 4	10.613	0.0	2711785.162	676.3597	ng/ml	100
T AR1260 4 #2	10.980	0.0	12927887.954	572.1163	ng/ml	100
T AR1260 5	11.343	0.0	3290066.240	620.0017	ng/ml	100
T AR1260 5 #2	11.660	0.0	19617131.469	588.8391	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

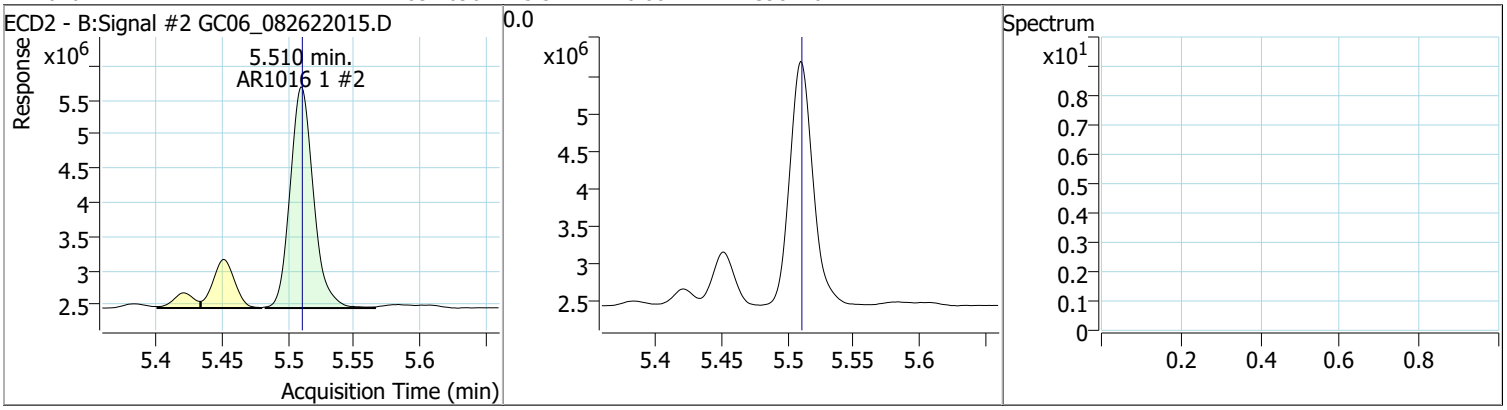
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	44.5328	5.07	0.00	17927572				



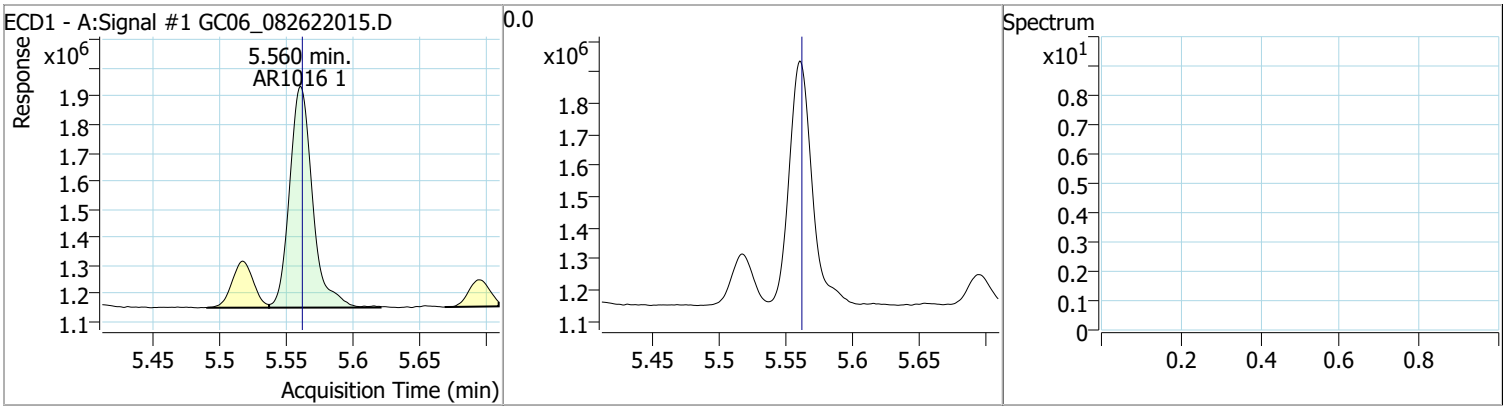
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	48.6415	5.21	0.00	3743226				



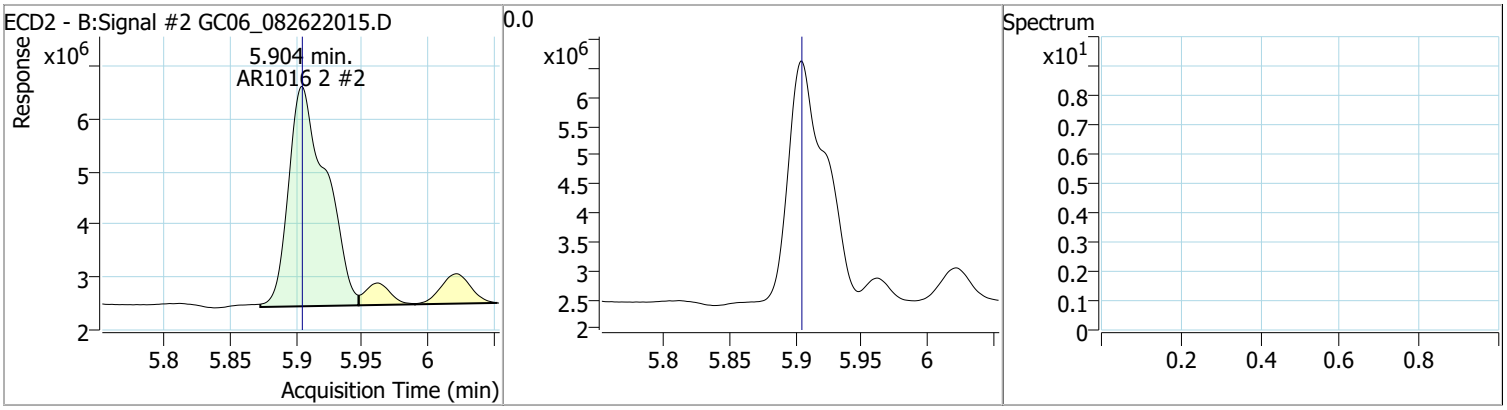
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	483.7696	5.51	0.00	3981761				



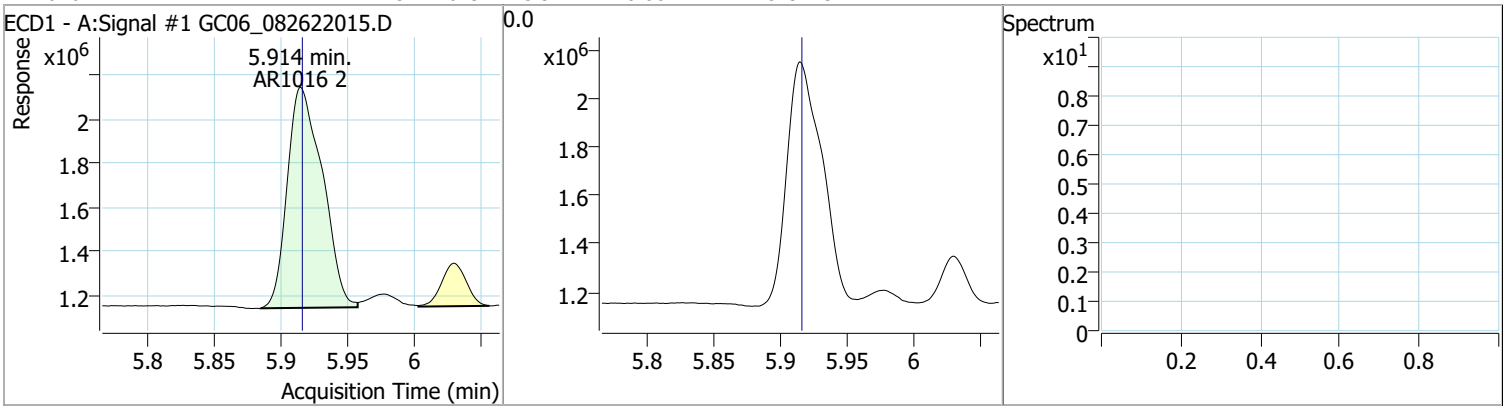
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	607.3189	5.56	0.00	950439				



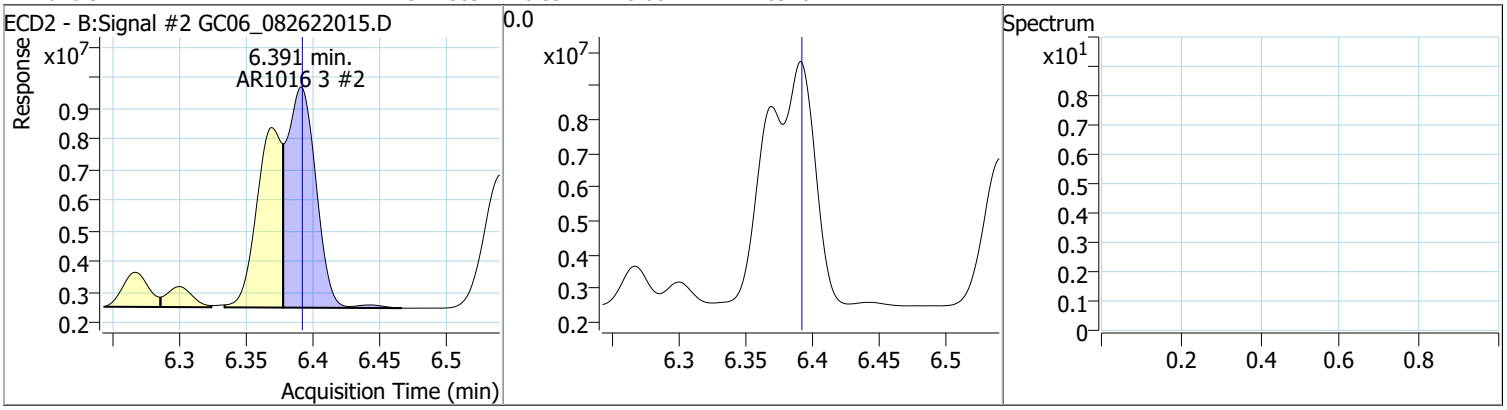
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	485.1464	5.90	0.00	8286663				



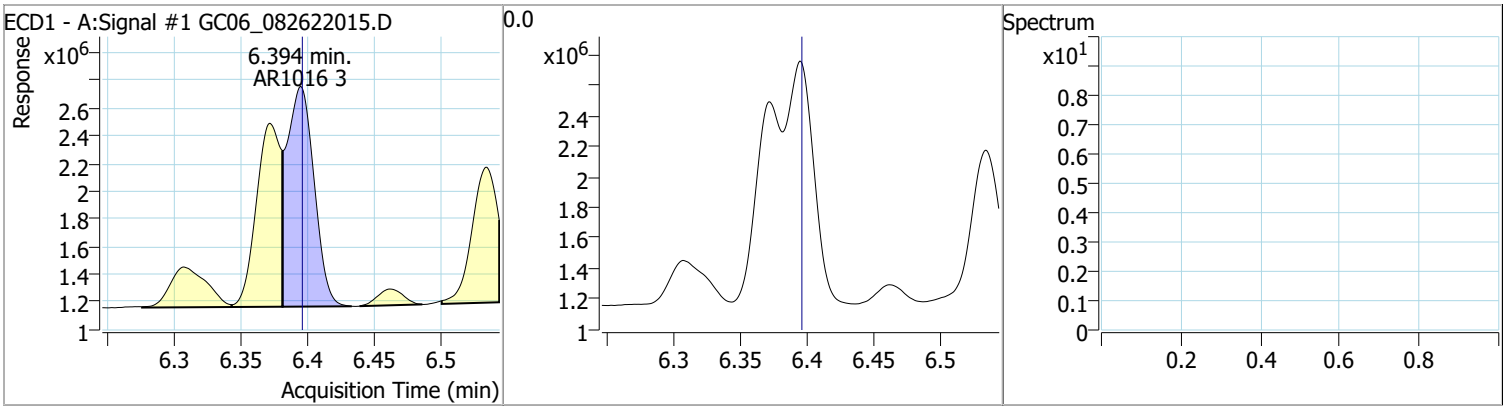
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	542.7619	5.91	0.00	1849479				



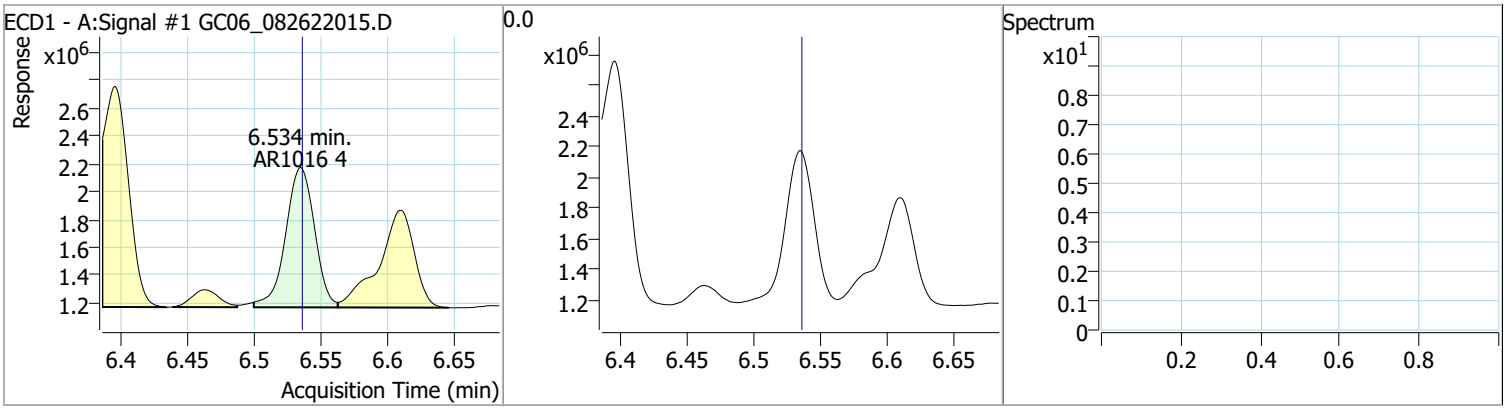
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	484.7809	6.39	0.00	10920222				



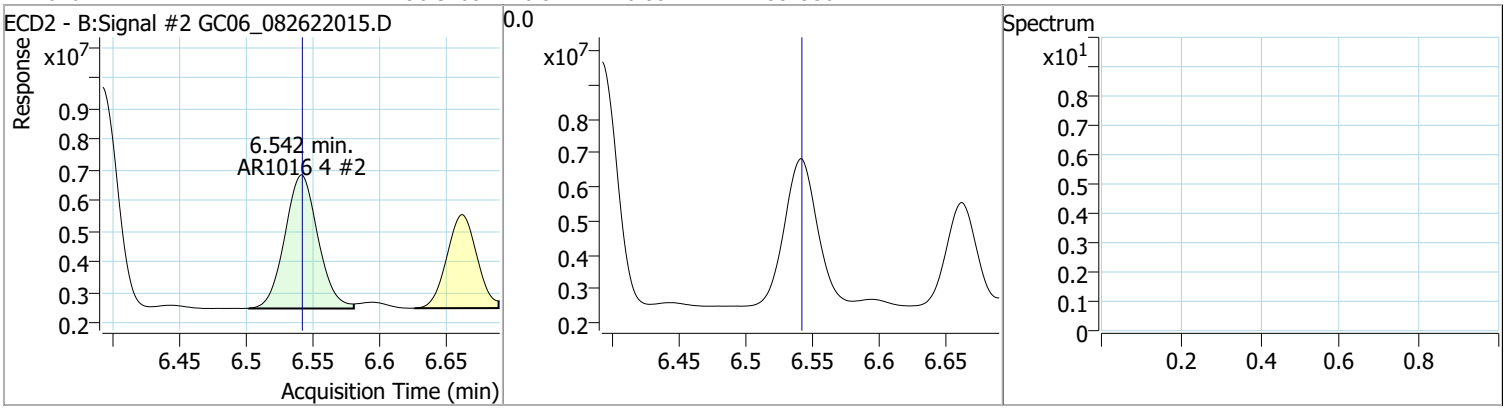
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	562.4694	6.39	0.00	2255687				



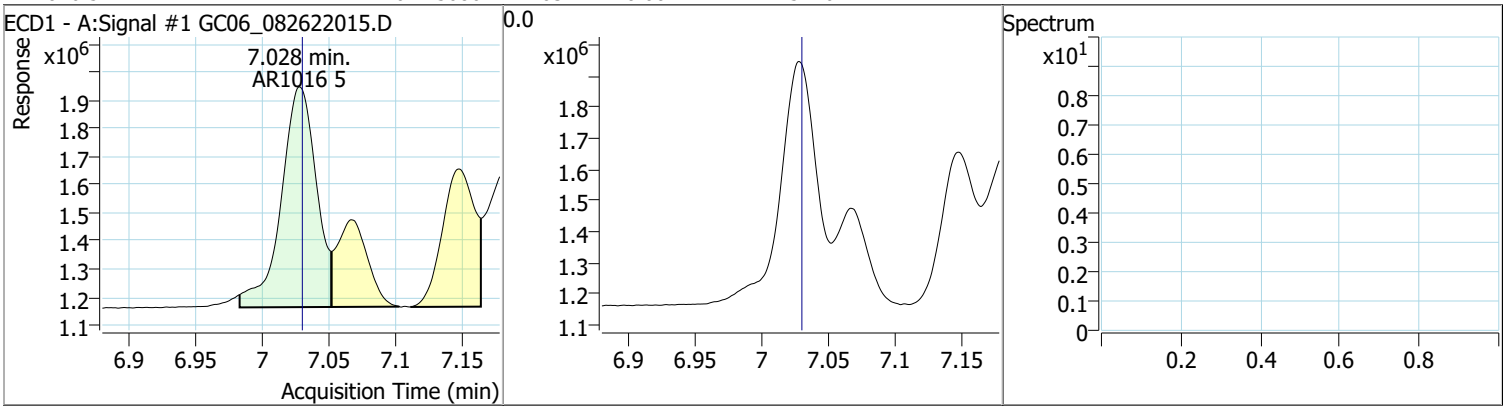
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	509.3420	6.53	0.00	1528578				



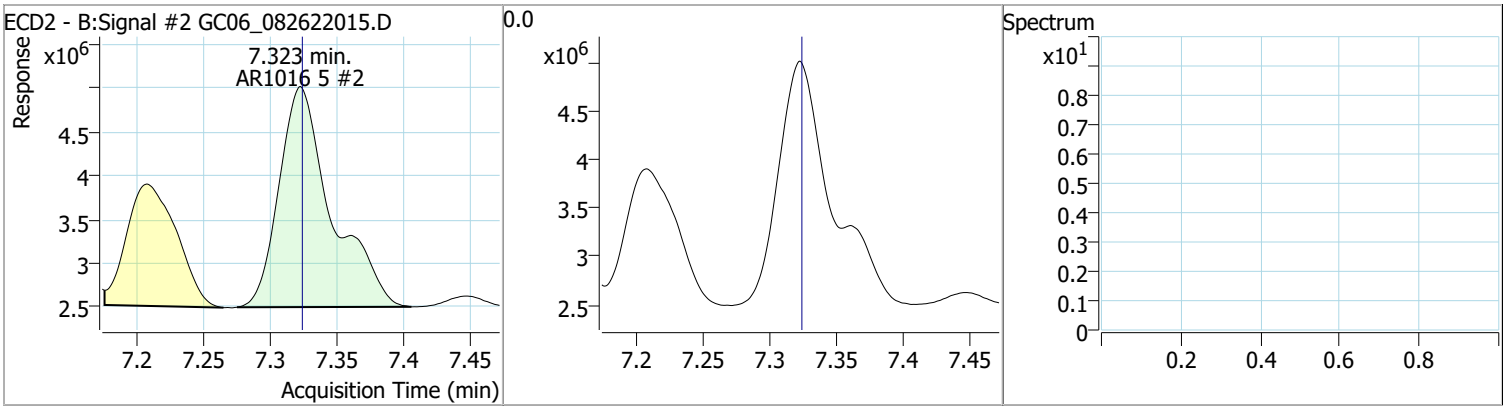
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	496.3168	6.54	0.00	7584950				



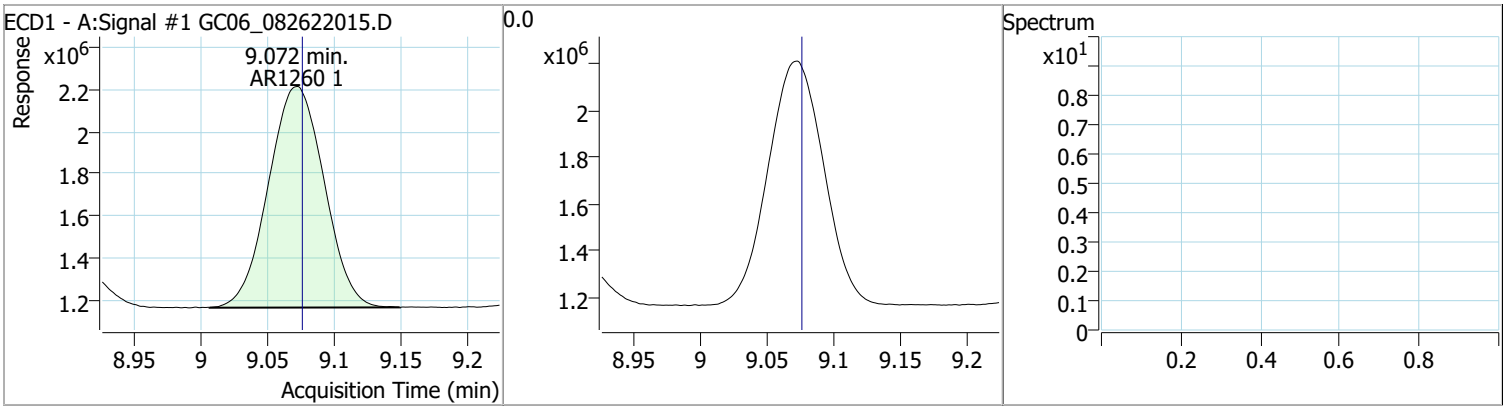
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	622.5686	7.03	0.00	1445276				



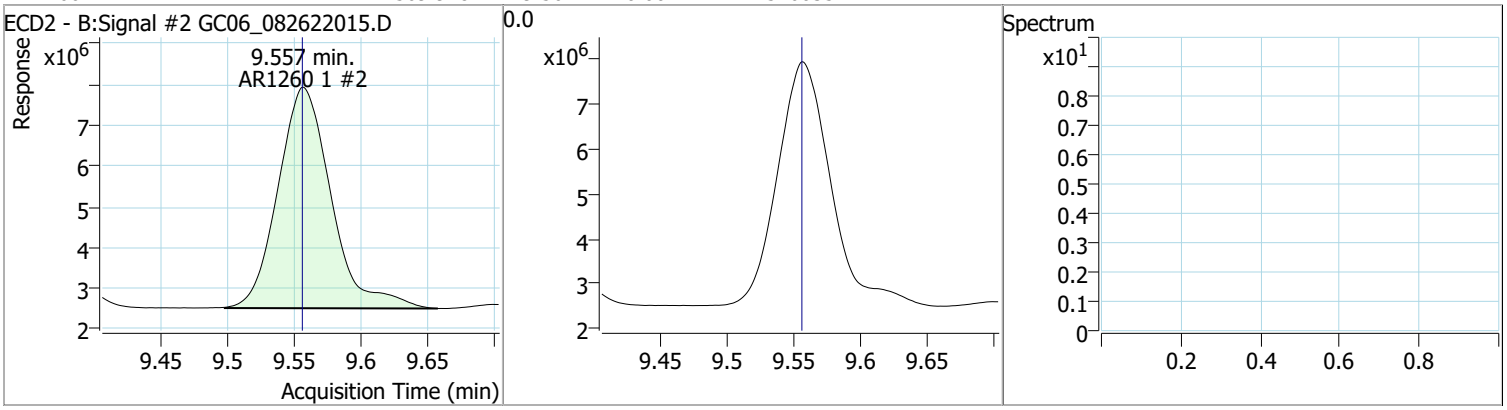
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	578.8820	7.32	0.00	6916608				



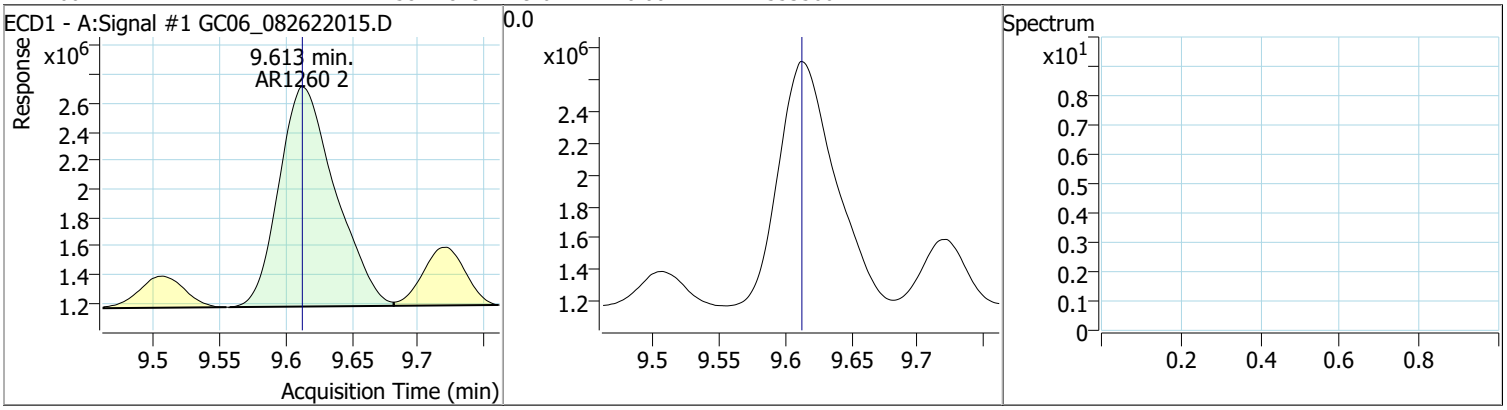
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	608.3538	9.07	0.00	3063010				



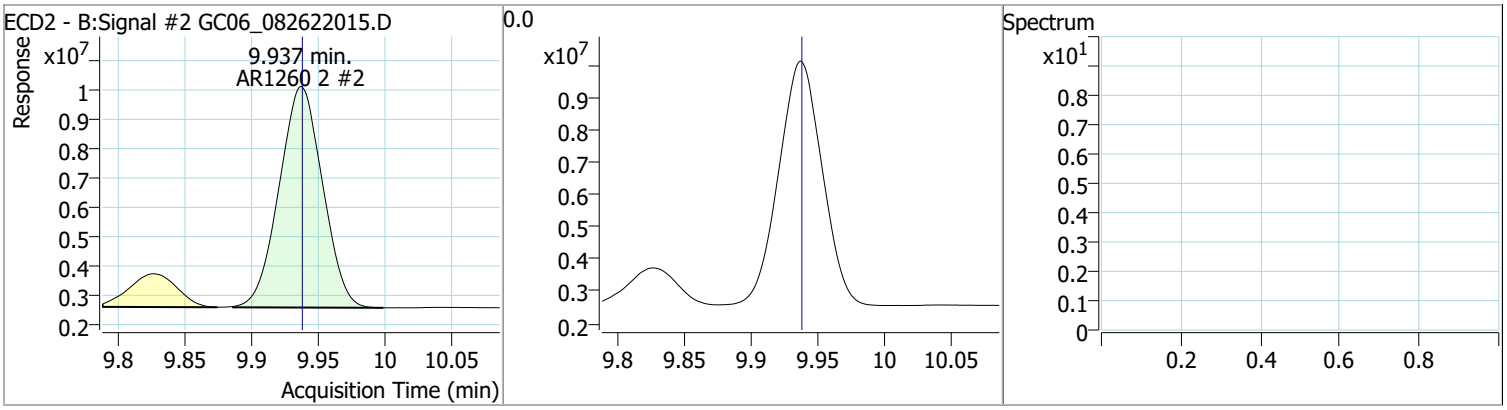
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	569.9181	9.56	0.00	15160354				



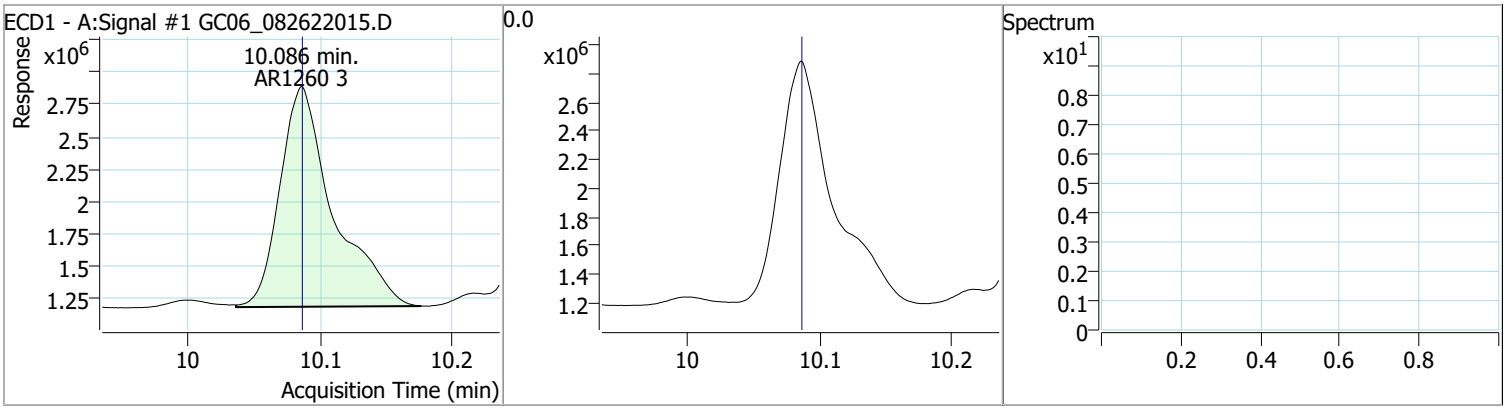
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	587.1813	9.61	0.00	4553560				



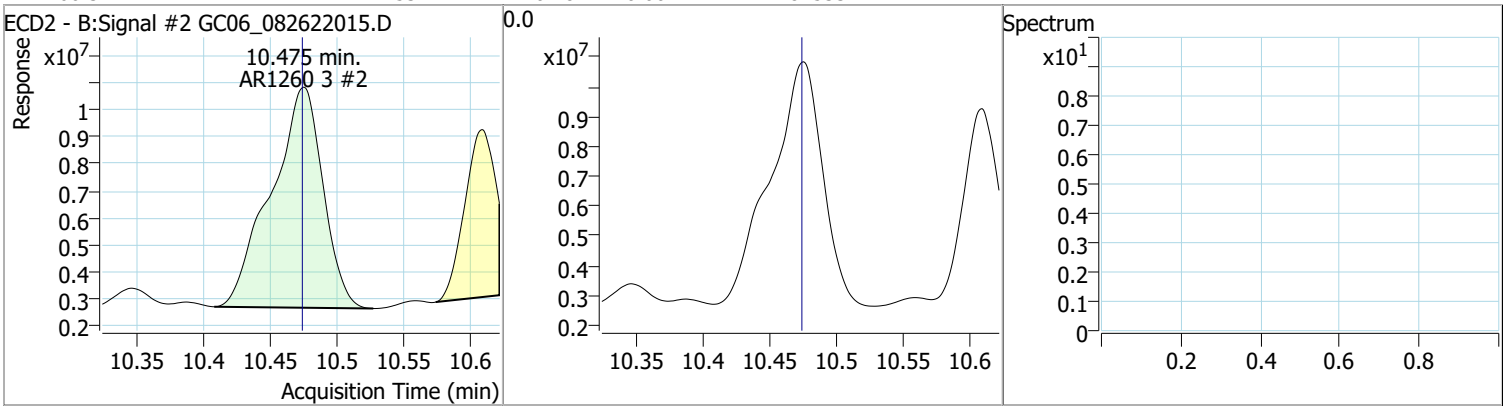
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	559.3932	9.94	0.00	17193820				



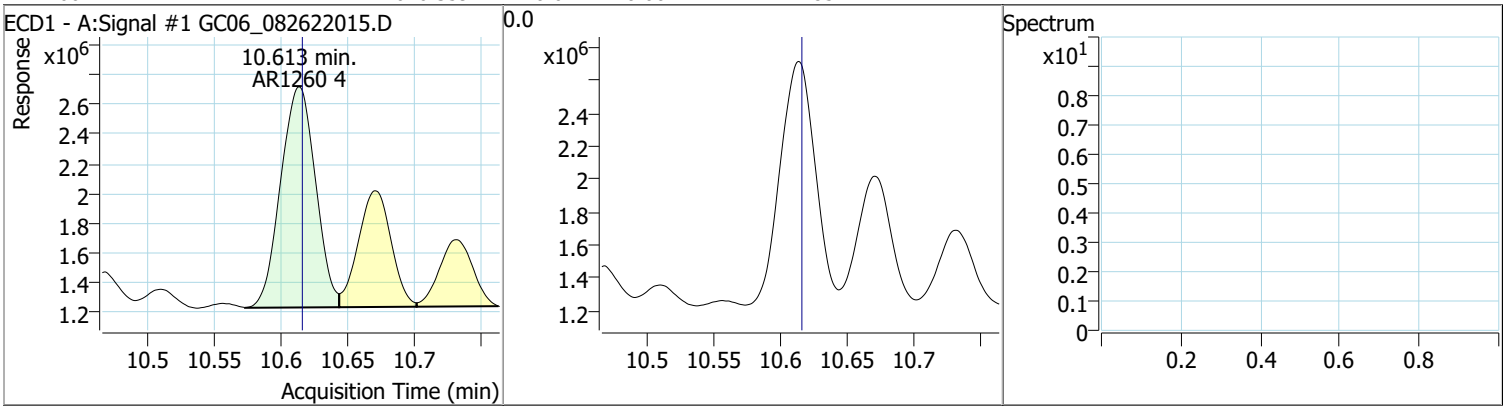
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	587.8773	10.09	0.00	4739341				



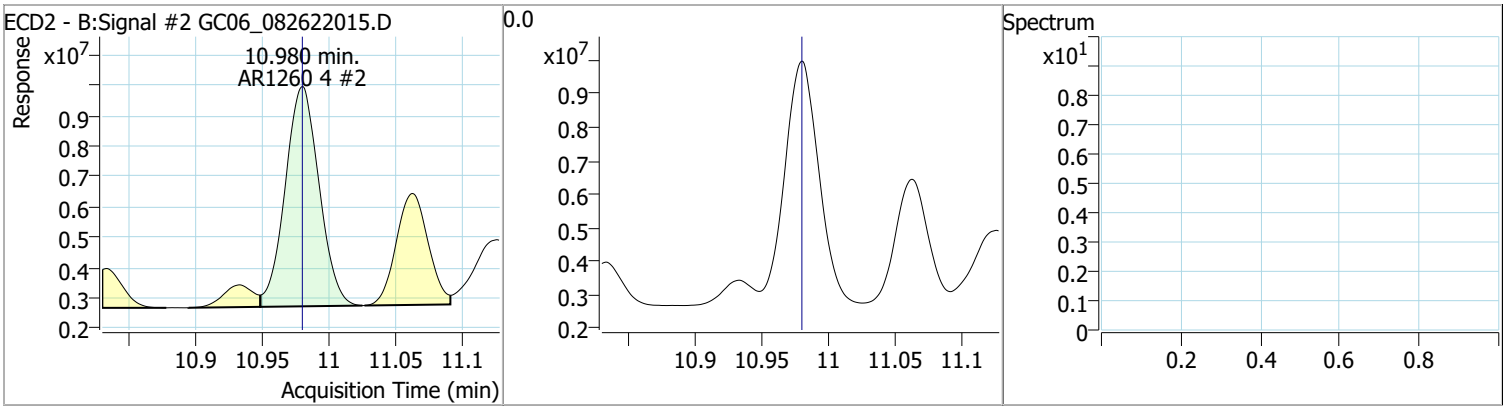
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	531.1774	10.48	0.00	22181533				



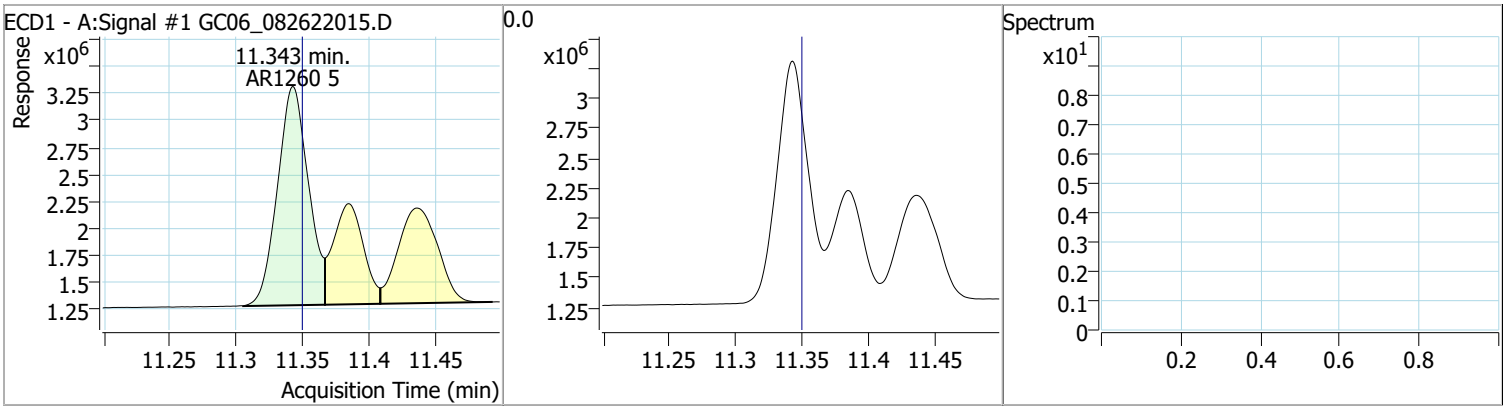
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	676.3597	10.61	0.00	2711785				



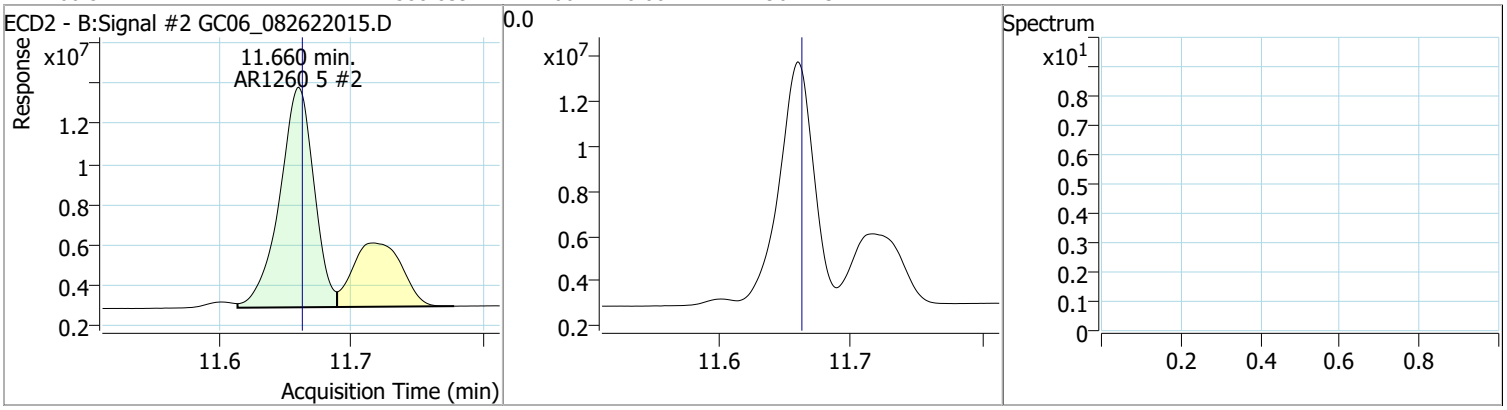
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	572.1163	10.98	0.00	12927888				



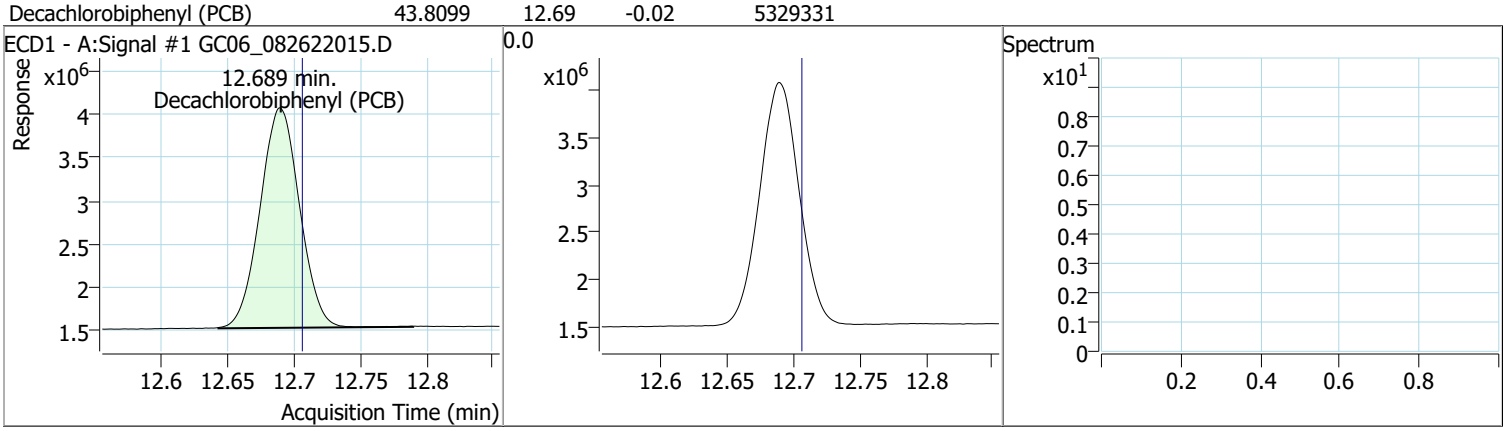
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	620.0017	11.34	-0.01	3290066				



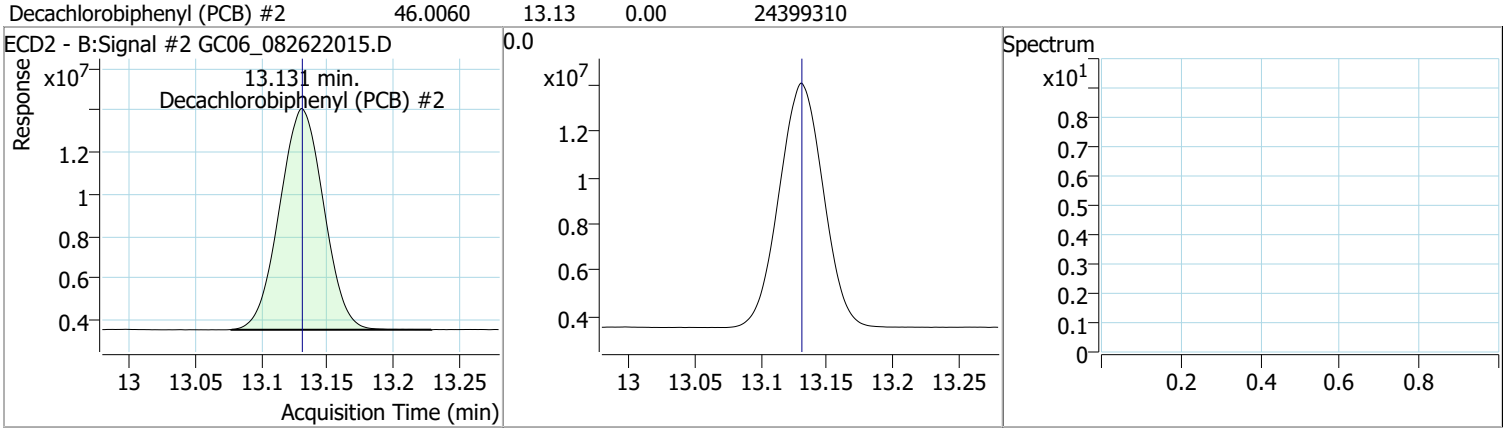
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	588.8391	11.66	0.00	19617131				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	43.8099	12.69	-0.02	5329331				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	46.0060	13.13	0.00	24399310				



ENTHALPY SPIKE USER REPORT FOR 467769 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC06	Inst:	SVOA-GC06
Seqnum:	452349374009.1	Seqnum:	452349374010.1
File:	gc06_083022009	File:	gc06_083022010
IDF:	1.0	IDF:	1.0
Lab ID:	QC1009631	Lab ID:	QC1009632
Matrix:	Wipe	Matrix:	Wipe
Batch:	295971	Batch:	295971
Time:	30-AUG-2022 16:21	Time:	30-AUG-2022 16:39
Cal:	452150634002	Cal:	452150634002
Units:	ug/dm2		

- BS: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Aroclor-1016	5.000	449.2	4.492	B	90	467.9	4.679	B	94	60-140	4	20	u
Aroclor-1016 Peak # 1		441.7	4.417	B		457.7	4.577	B					
Aroclor-1016 Peak # 2		443.3	4.433	B		461.5	4.615	B					
Aroclor-1016 Peak # 3		411.1	4.111	B		427.3	4.273	B					
Aroclor-1016 Peak # 4		433.8	4.338	B		454.6	4.546	B					
Aroclor-1016 Peak # 5		516.2	5.162	B		538.3	5.383	B					
Aroclor-1260	5.000	437.0	4.370	B	87	473.8	4.738	B	95	60-140	8	20	u
Aroclor-1260 Peak # 1		439.3	4.393	B		492.1	4.921	B					
Aroclor-1260 Peak # 2		446.1	4.461	B		475.5	4.755	B					
Aroclor-1260 Peak # 3		415.6	4.156	B		445.5	4.455	B					
Aroclor-1260 Peak # 4		442.8	4.428	B		478.2	4.782	B					
Aroclor-1260 Peak # 5		441.3	4.413	B		477.9	4.779	B					
Surrogates													
TCMX (PCB)	0.5000	46.26	0.4626	B	93	45.30	0.4530	B	91	52-186			u
Decachlorobiphenyl (PCB)	0.5000	38.78	0.3878	B	78	41.59	0.4159	B	83	60-140			u

ISTD (CCV gc06_083022002)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5237900	5757605	9.92
1-bromo-2-nitrobenzene (PCB)	A	1298245	1273713	-1.89

ISTD (CCV gc06_083022002)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.13	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

ISTD (CCV gc06_083022002)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5237900	5159856	-1.49
1-bromo-2-nitrobenzene (PCB)	A	1298245	1182538	-8.91

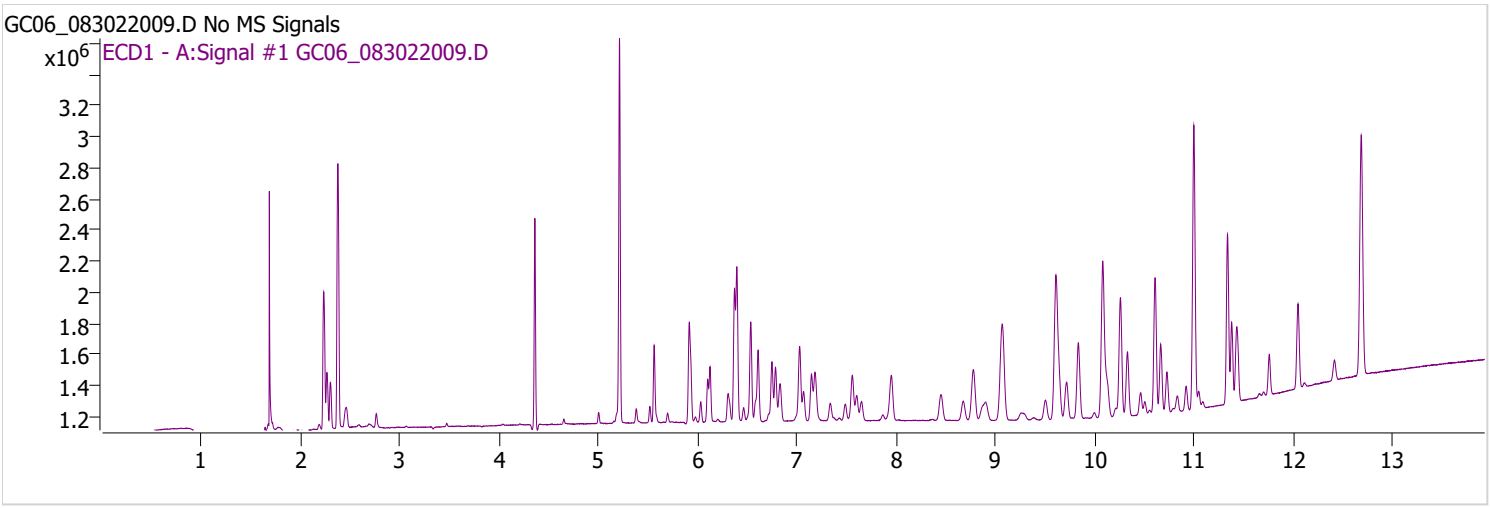
ISTD (CCV gc06_083022002)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.13	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

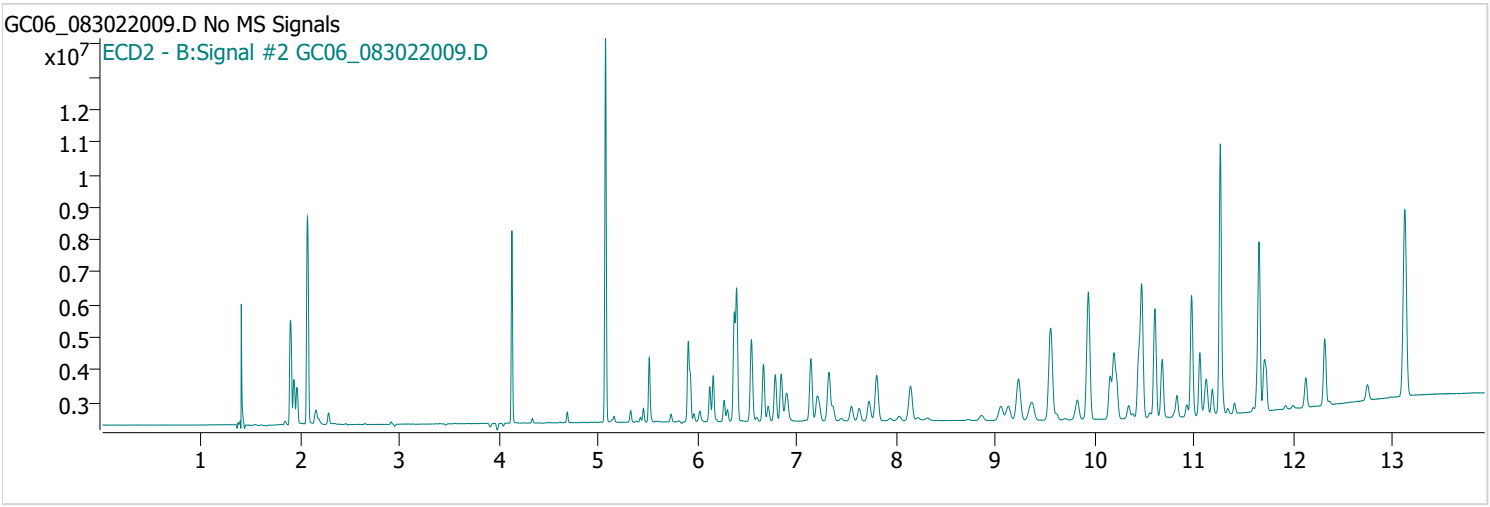
Analyst: TRN 08/30/22

Reviewer: LW 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_083022009.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/30/2022 4:21:49 PM
Sample Name	QC1009631, 295971, 1	Instrument	SVOA-GC06
Vial	2	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	083022PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



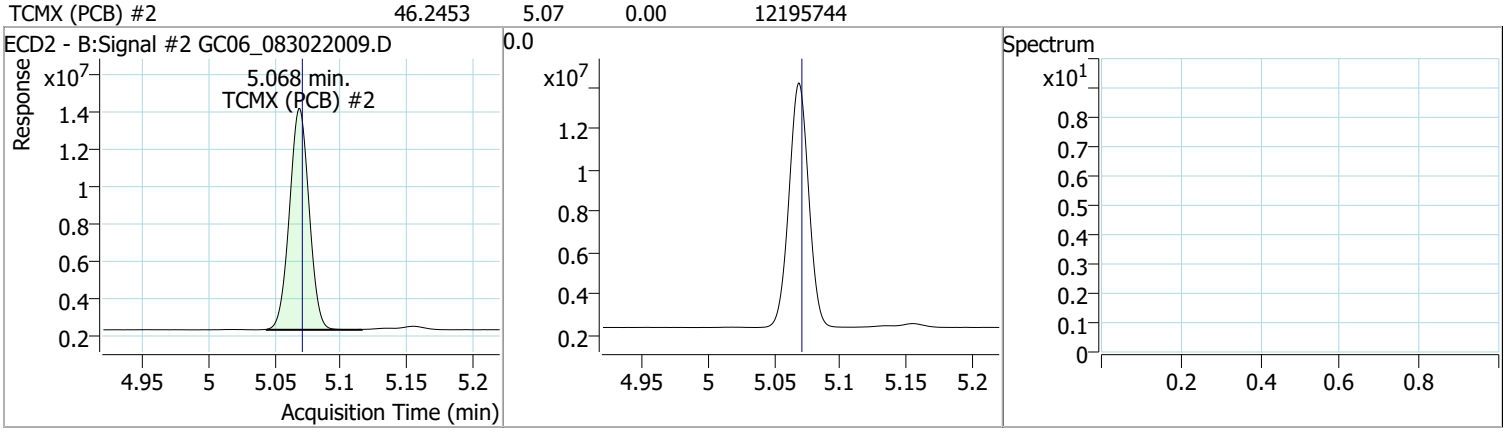


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.125	0.0	5757604.941	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.357	0.0	1273712.782	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB) #2	5.068	0.0	12195743.586	46.2453	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 231.23%		*	
S TCMX (PCB)	5.209	0.0	2685498.158	43.8334	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 219.17%		*	
S Decachlorobiphenyl (PCB)	12.683	0.0	3266500.491	33.7289	ng/ml		-0.023
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 168.64%		*	
S Decachlorobiphenyl (PCB) #2	13.123	0.0	13469433.804	38.7692	ng/ml		-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 193.85%		*	
Target Compounds							QValue

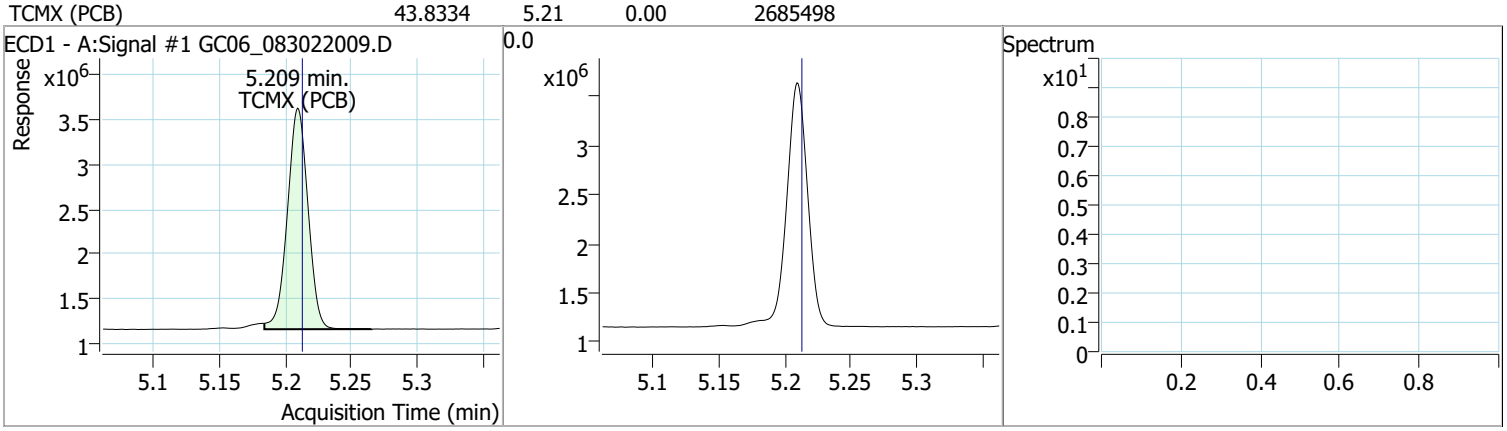
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.509	0.0	2380676.143	441.5347	ng/ml	100
T AR1016 1	5.558	0.0	613080.489	492.0724	ng/ml	100
T AR1016 2 #2	5.903	0.0	4959239.277	443.2098	ng/ml	100
T AR1016 2	5.913	0.0	1184964.706	436.8017	ng/ml	100
T AR1016 3 #2	6.389	0.0	6064756.648	410.9875	ng/ml	100
T AR1016 3	6.392	0.0	1392639.009	436.1919	ng/ml	100
T AR1016 4	6.532	0.0	959233.734	401.4813	ng/ml	100
T AR1016 4 #2	6.538	0.0	4342271.773	433.7350	ng/ml	100
T AR1016 5	7.025	0.0	872769.956	472.2316	ng/ml	100
T AR1016 5 #2	7.321	0.0	4039610.047	516.1043	ng/ml	100
T AR1260 1	9.066	0.0	1811670.275	451.9661	ng/ml	100
T AR1260 1 #2	9.553	0.0	7653124.283	439.1806	ng/ml	100
T AR1260 2	9.607	0.0	2660027.031	430.8501	ng/ml	100
T AR1260 2 #2	9.933	0.0	8980584.316	446.0162	ng/ml	100
T AR1260 3	10.079	0.0	2711767.208	422.5130	ng/ml	100
T AR1260 3 #2	10.470	0.0	11366437.775	415.5025	ng/ml	100
T AR1260 4	10.606	0.0	1559960.229	488.7142	ng/ml	100
T AR1260 4 #2	10.973	0.0	6552749.437	442.6714	ng/ml	100
T AR1260 5	11.336	0.0	1770631.686	419.1172	ng/ml	100
T AR1260 5 #2	11.653	0.0	9629415.290	441.2271	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

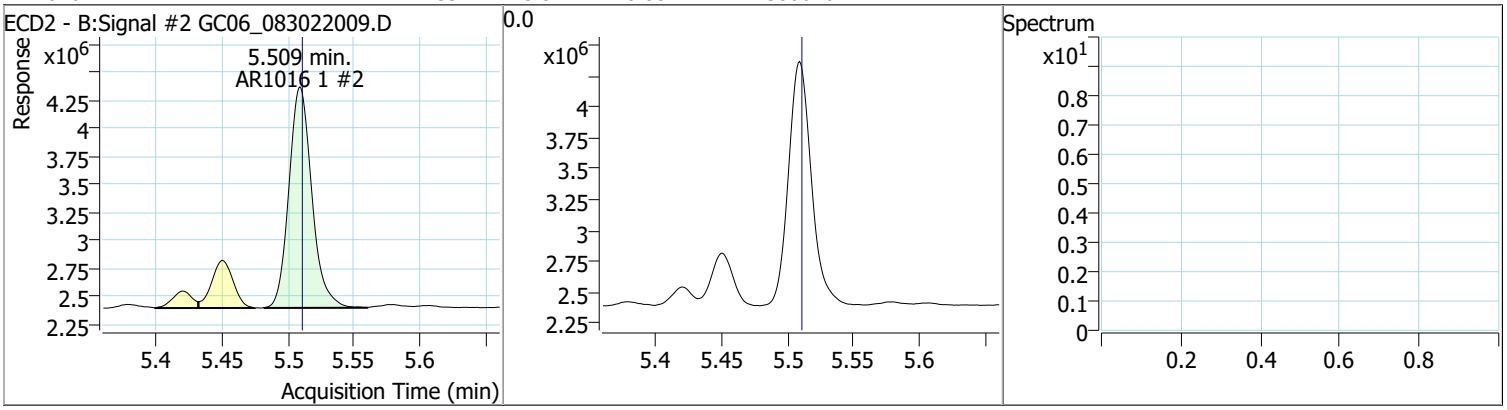
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	46.2453	5.07	0.00	12195744				



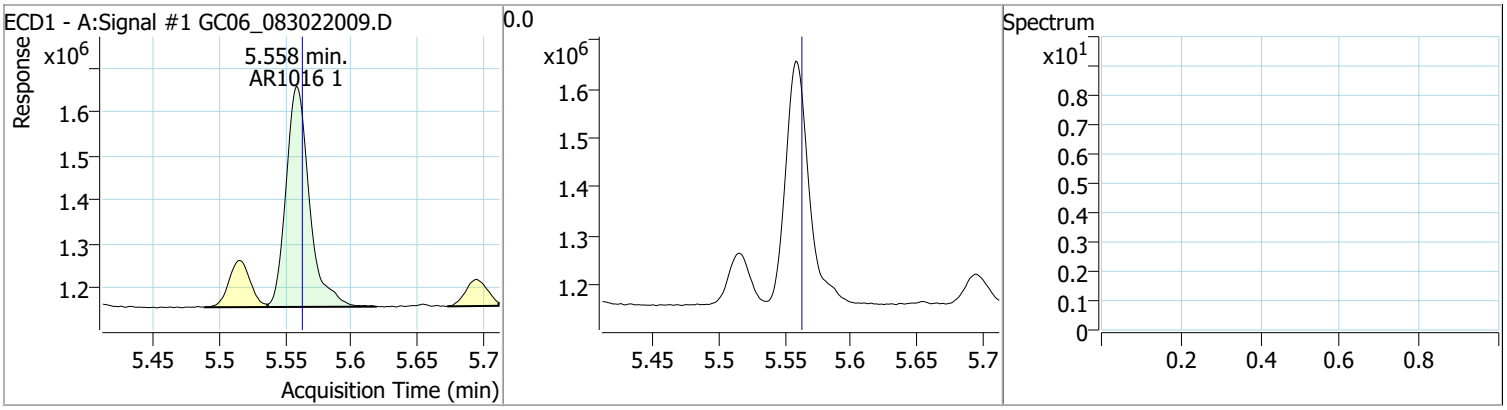
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	43.8334	5.21	0.00	2685498				



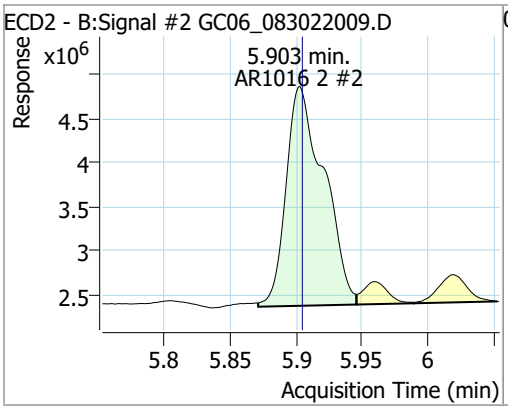
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	441.5347	5.51	0.00	2380676				

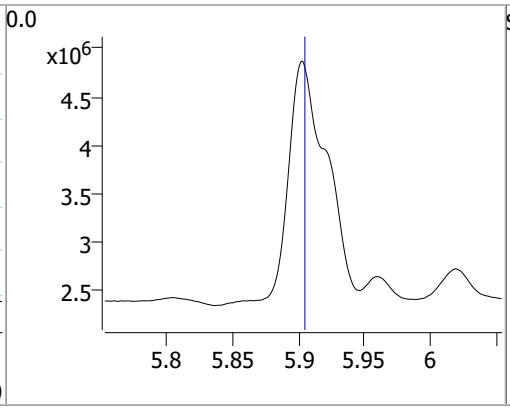


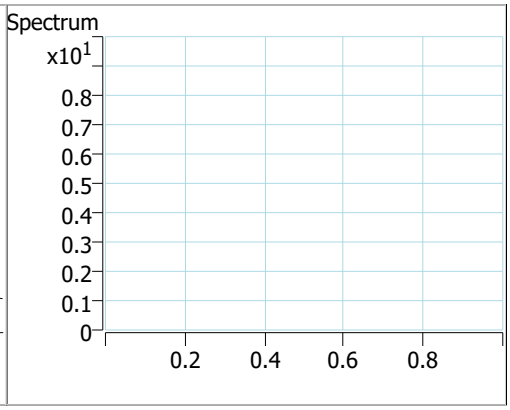
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	492.0724	5.56	0.00	613080				



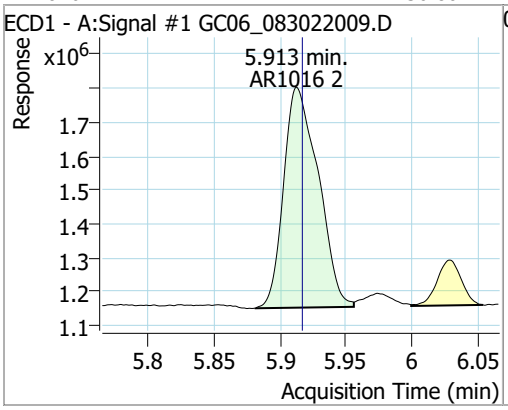
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	443.2098	5.90	0.00	4959239				

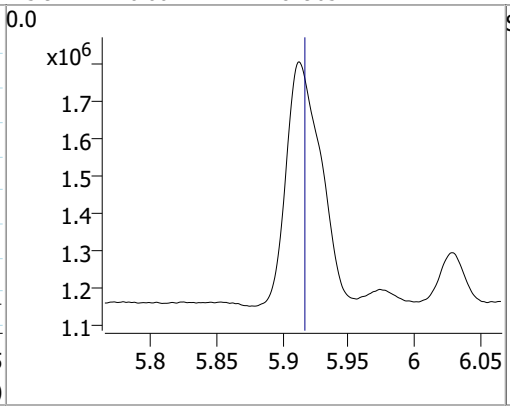


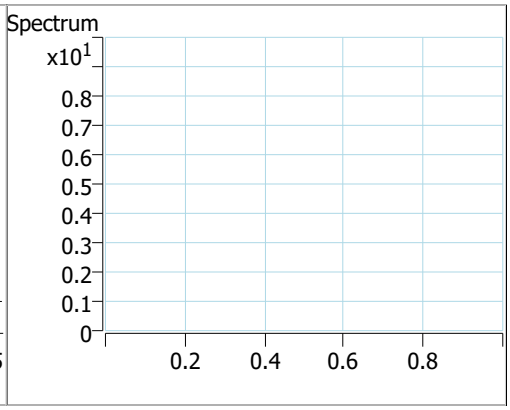




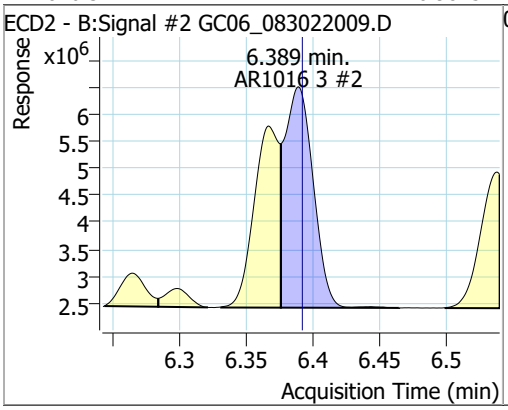
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	436.8017	5.91	0.00	1184965				

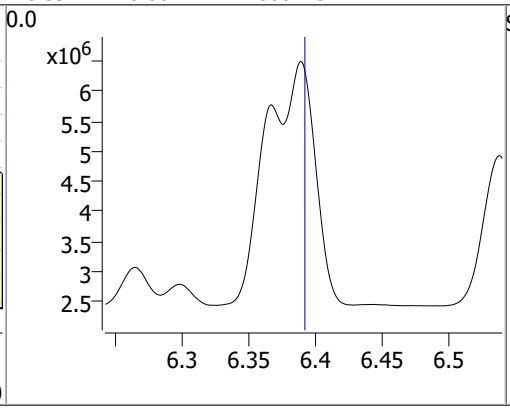


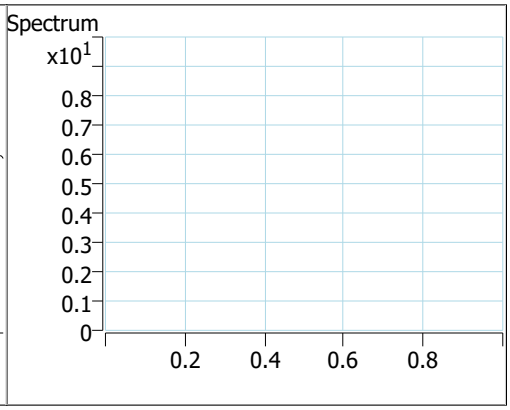




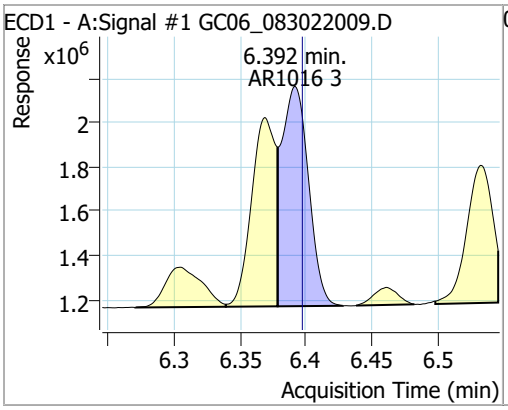
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	410.9875	6.39	0.00	6064757				

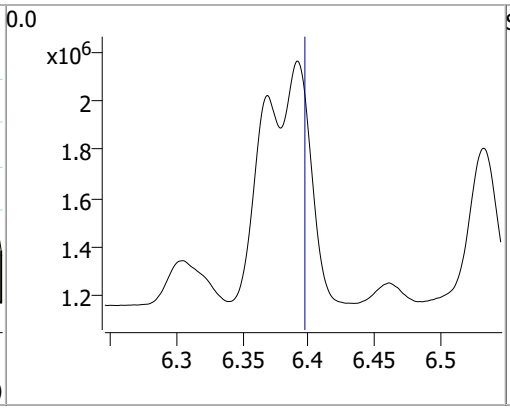


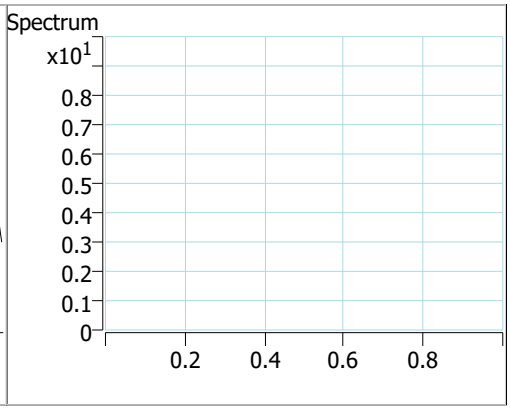




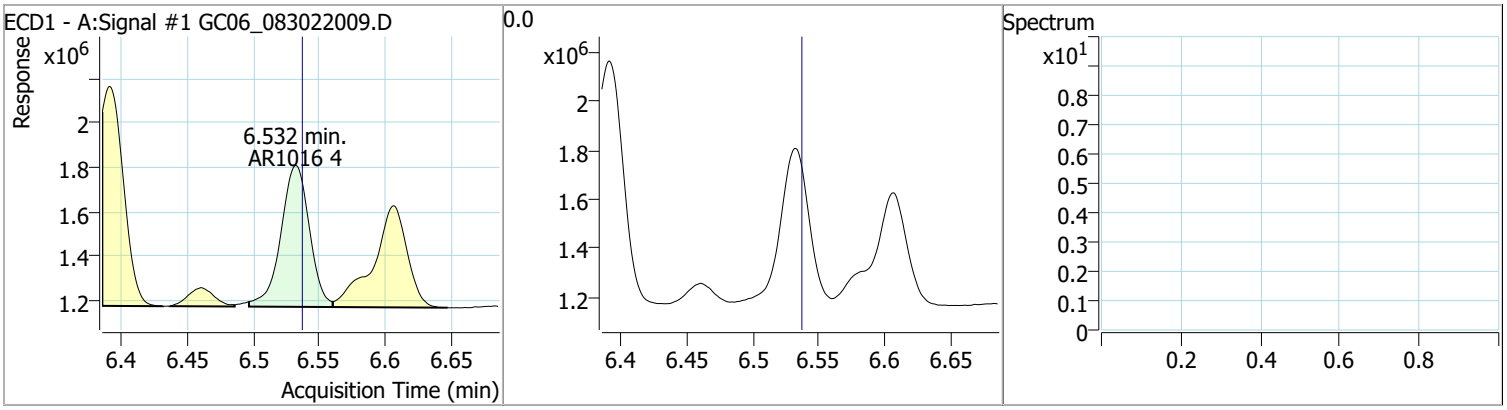
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	436.1919	6.39	0.00	1392639				



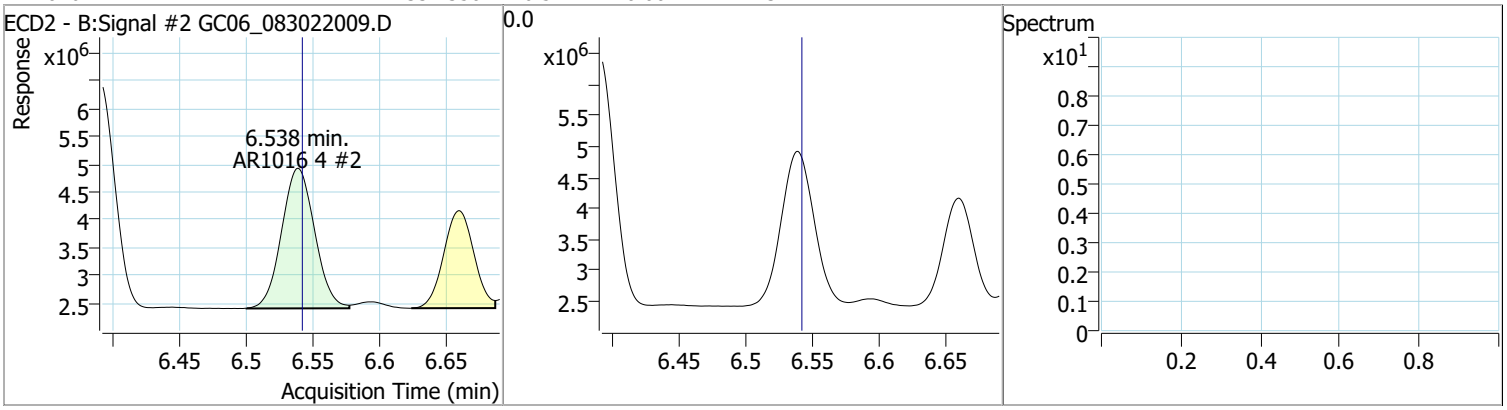




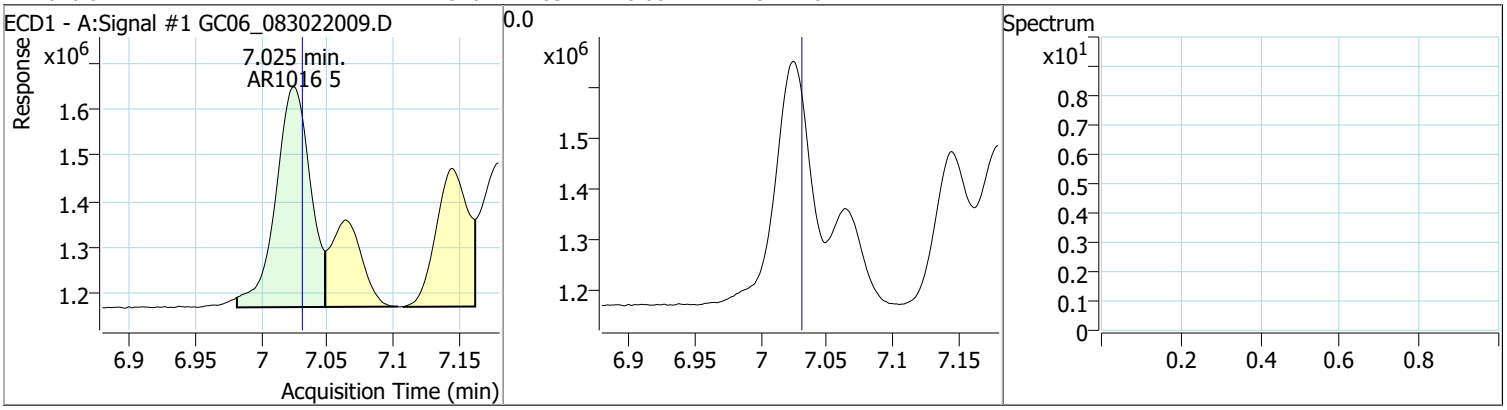
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	401.4813	6.53	0.00	959234				



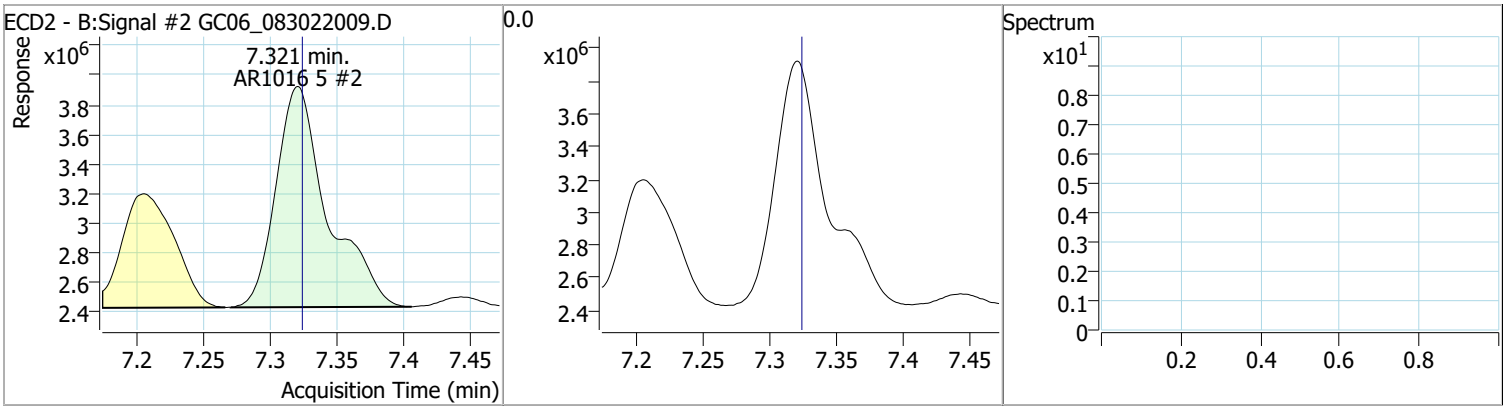
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	433.7350	6.54	0.00	4342272				



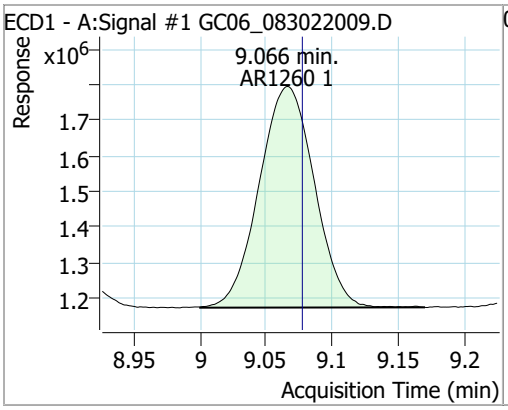
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	472.2316	7.03	0.00	872770				

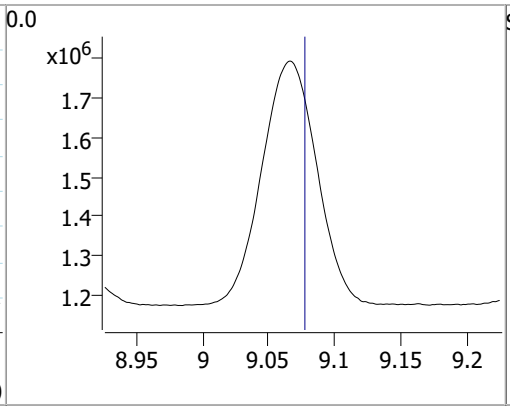


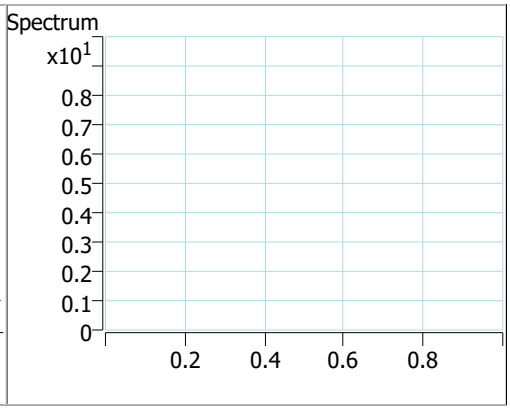
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	516.1043	7.32	0.00	4039610				



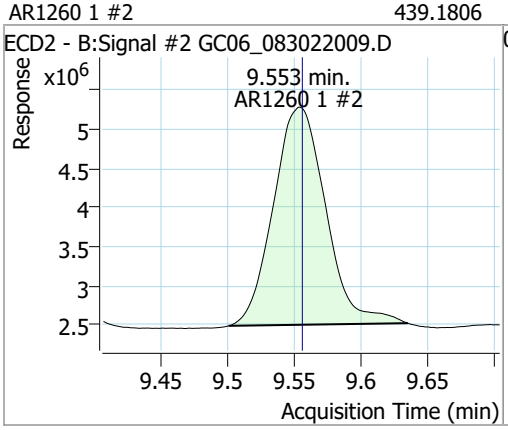
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	451.9661	9.07	-0.01	1811670				

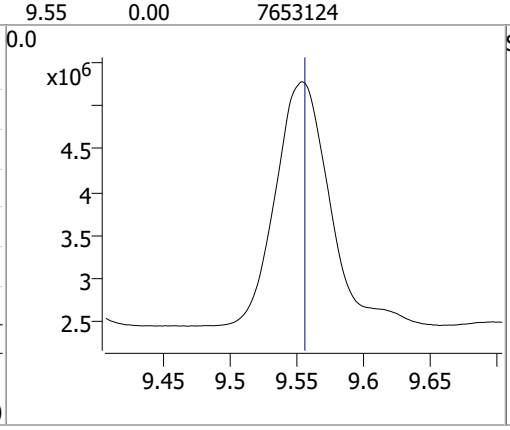


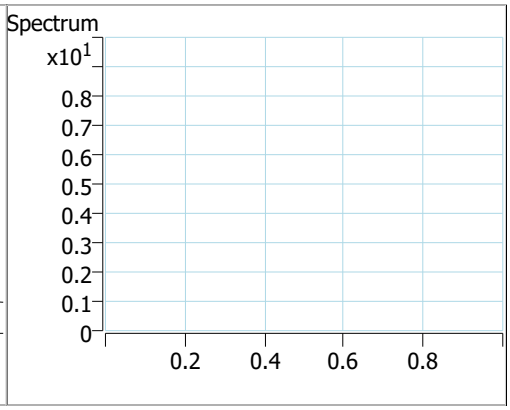




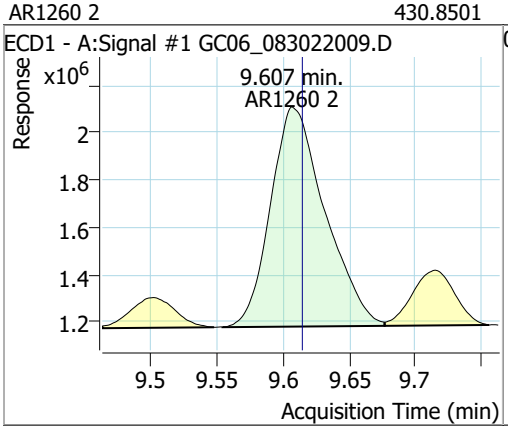
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	439.1806	9.55	0.00	7653124				

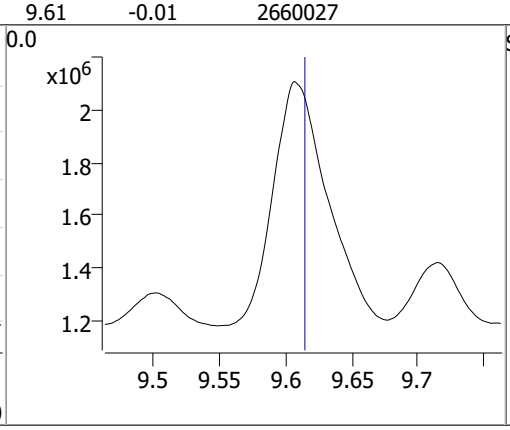


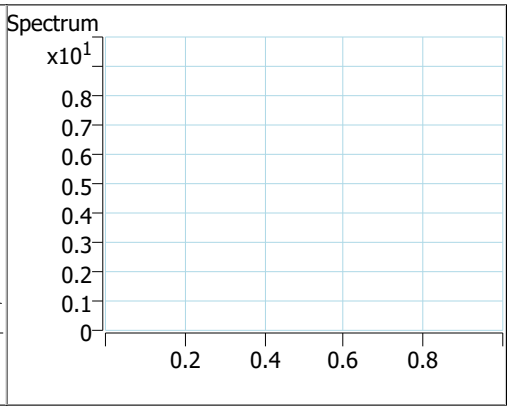




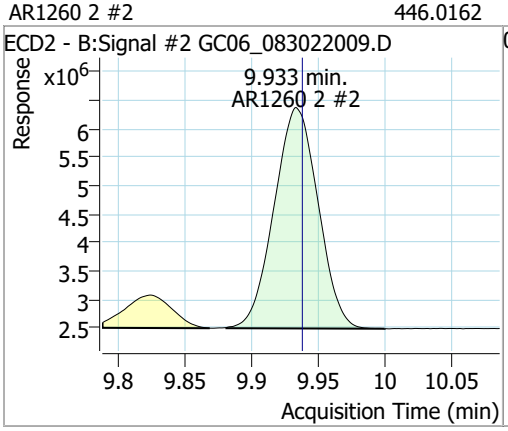
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	430.8501	9.61	-0.01	2660027				

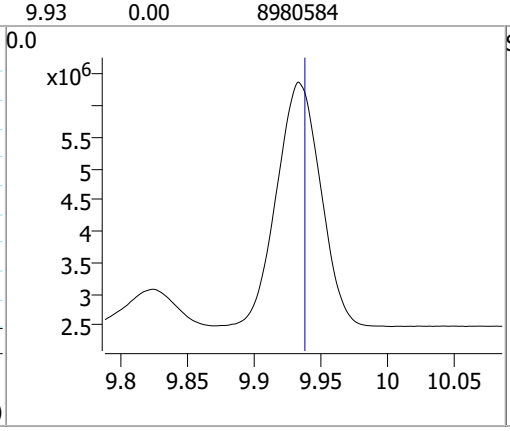


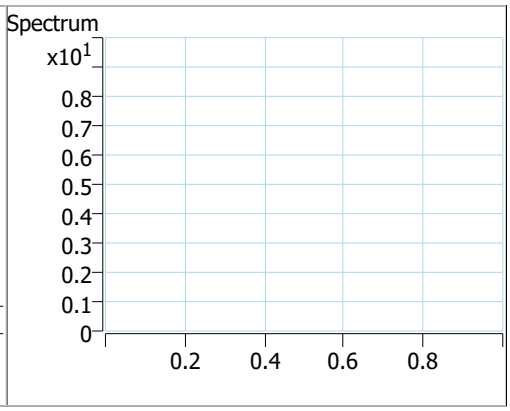




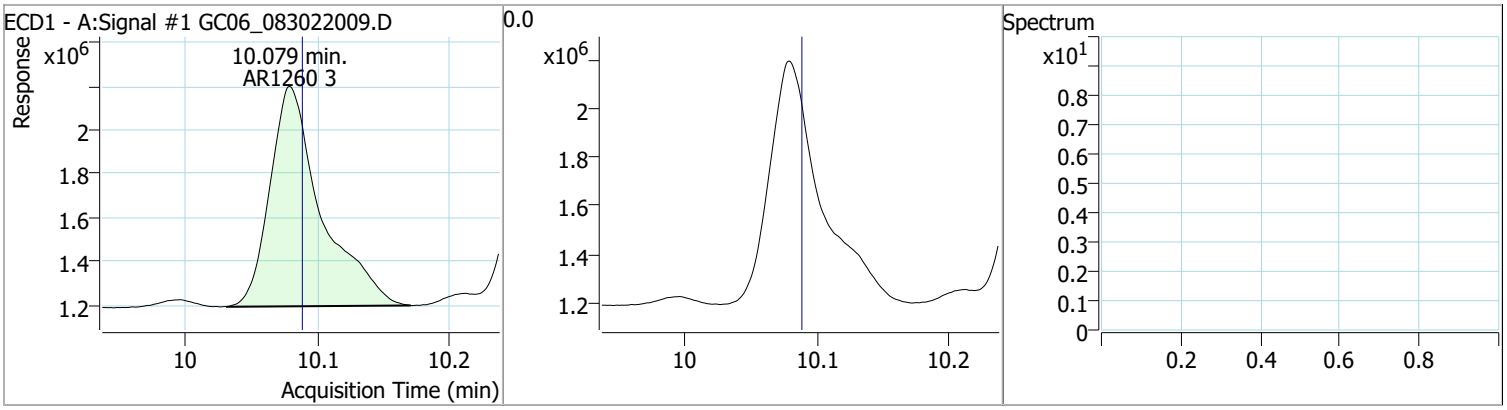
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	446.0162	9.93	0.00	8980584				



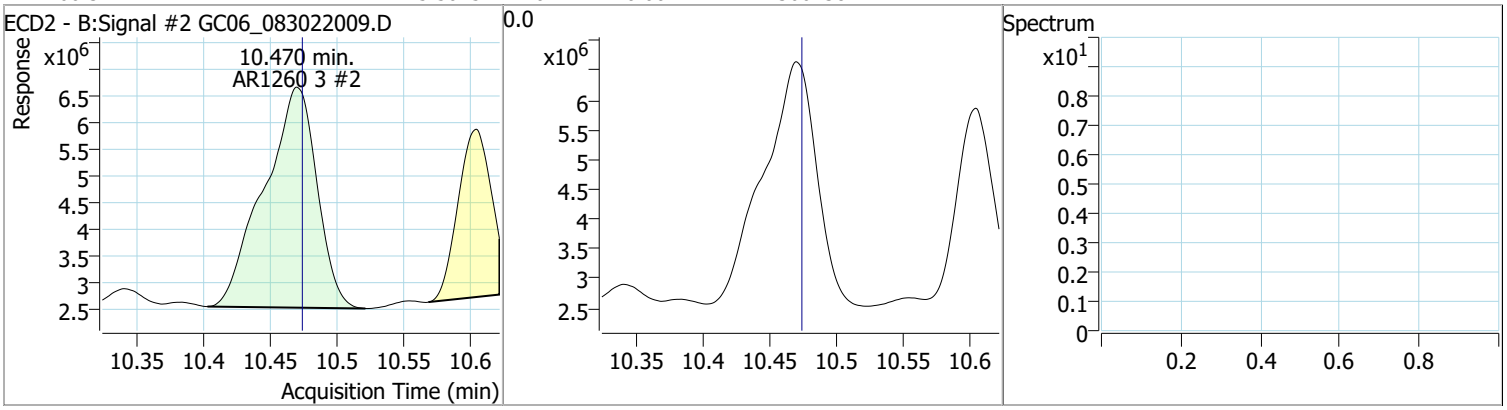




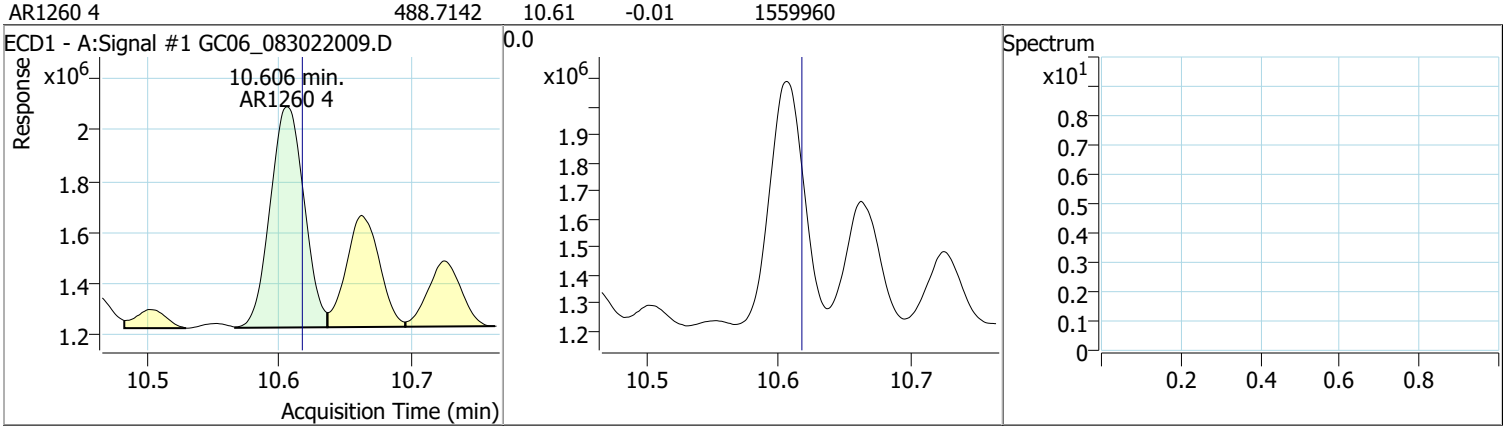
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	422.5130	10.08	-0.01	2711767				



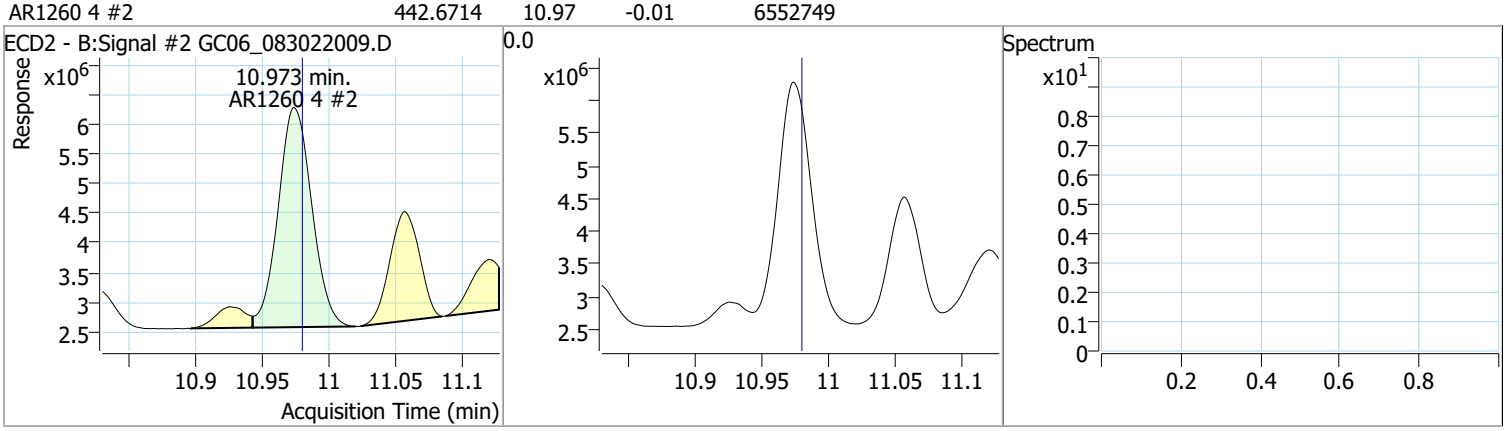
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	415.5025	10.47	0.00	11366438				



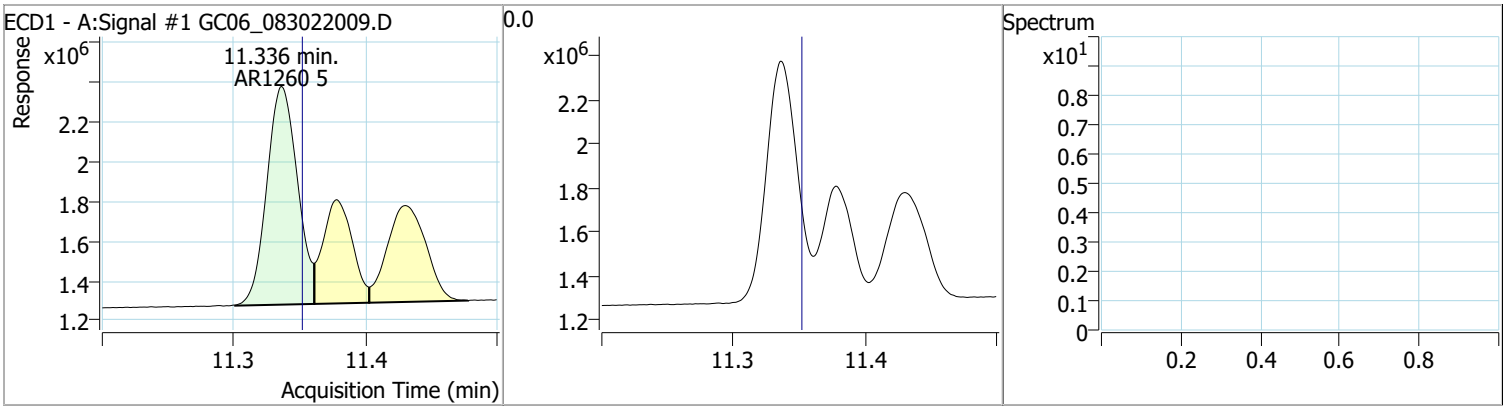
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	488.7142	10.61	-0.01	1559960				



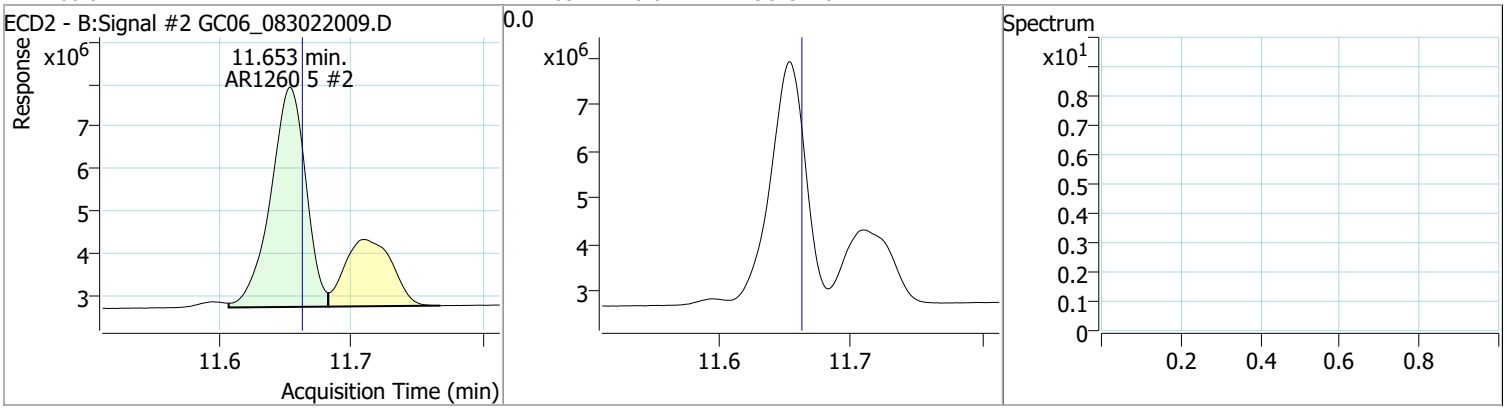
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	442.6714	10.97	-0.01	6552749				



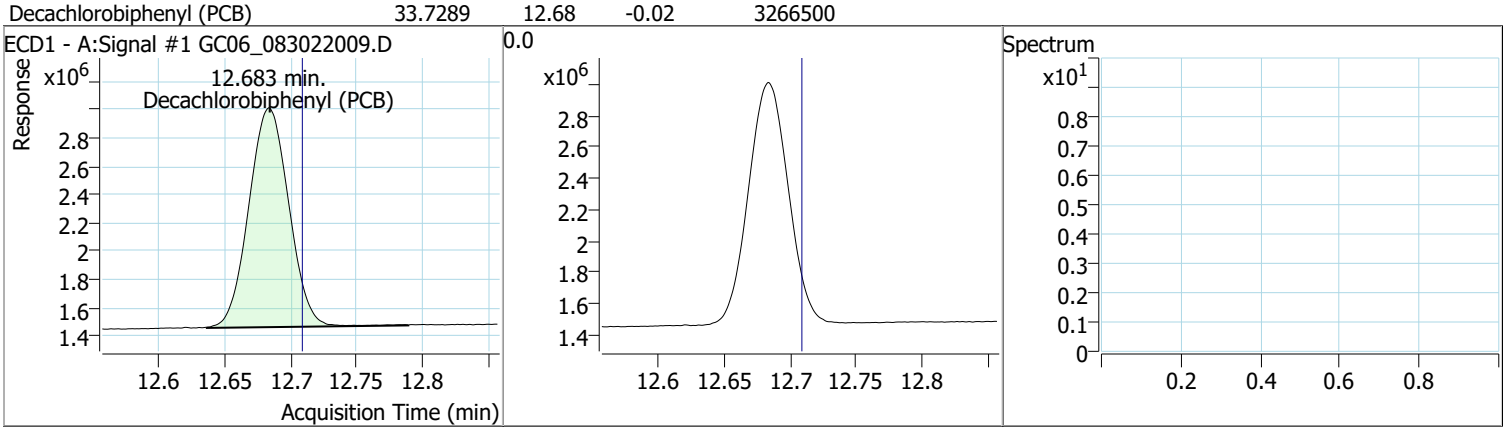
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	419.1172	11.34	-0.01	1770632				



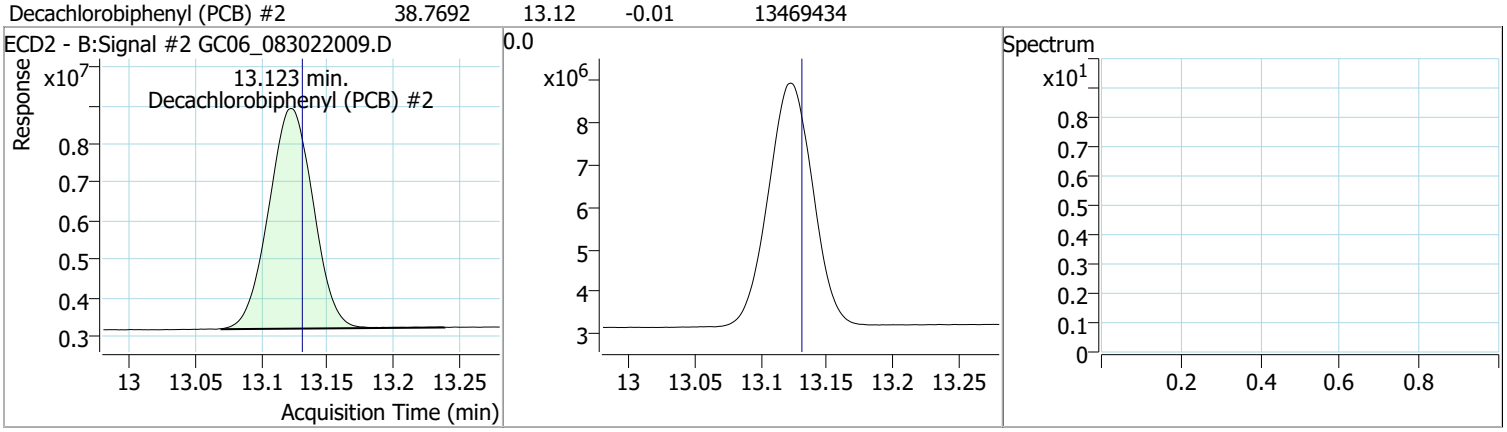
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	441.2271	11.65	-0.01	9629415				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	33.7289	12.68	-0.02	3266500				

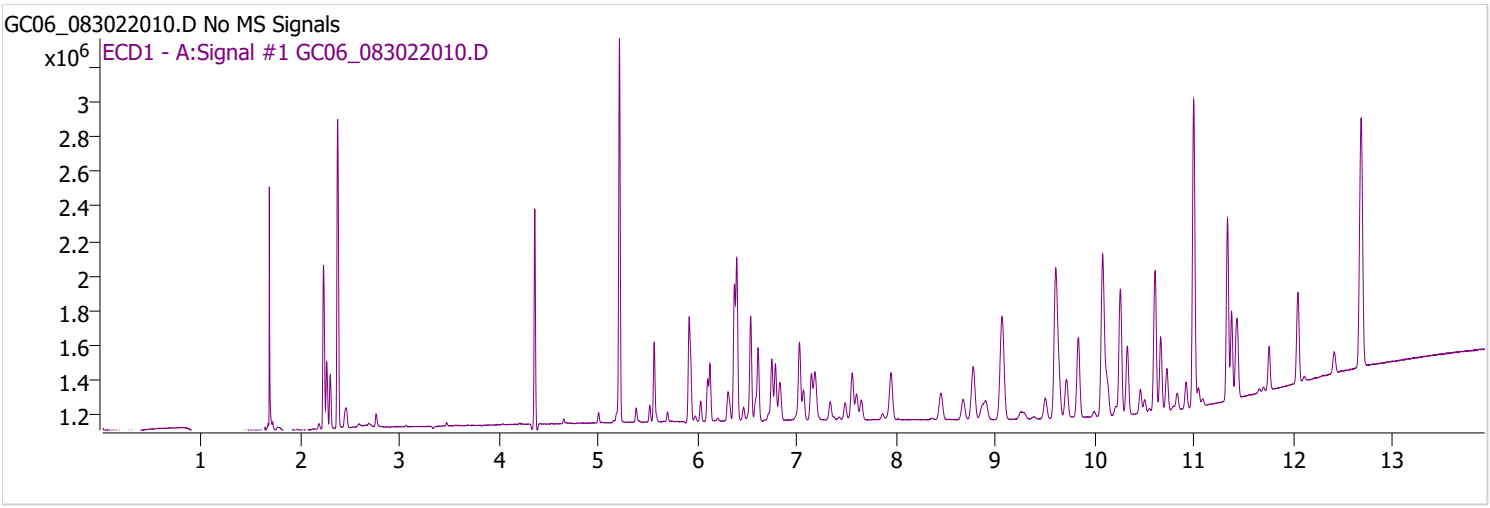


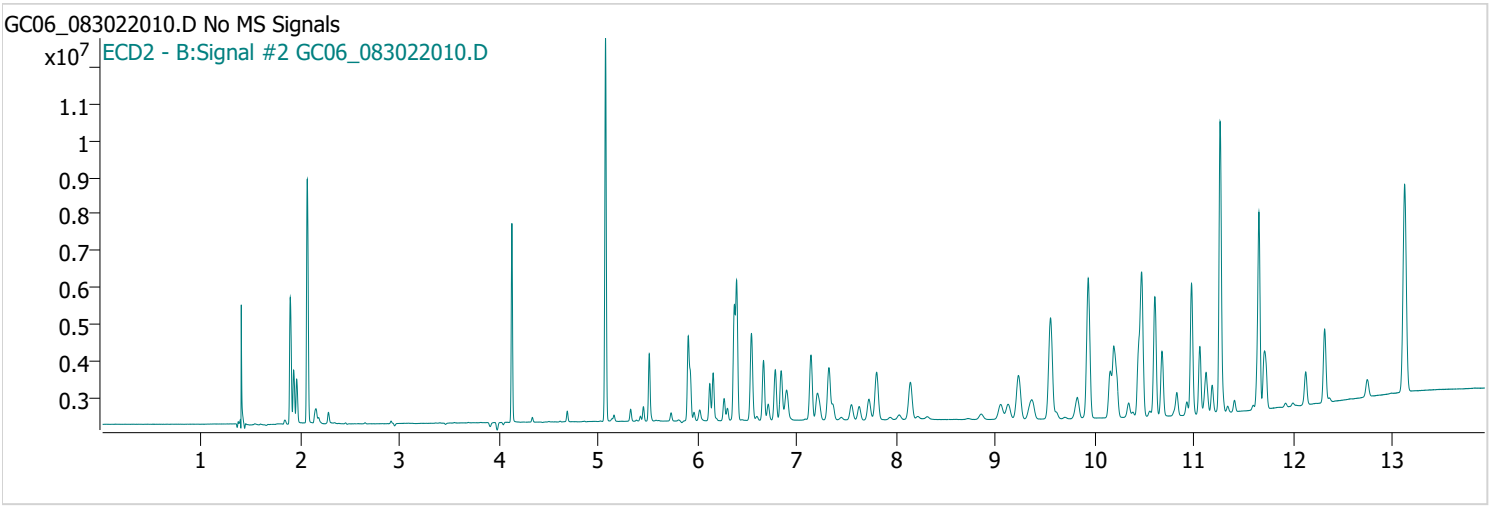
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	38.7692	13.12	-0.01	13469434				



Quantitation Results Report (Not Reviewed)

Data File	GC06_083022010.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/30/2022 4:39:34 PM
Sample Name	QC1009632, 295971, 1	Instrument	SVOA-GC06
Vial	3	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	083022PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



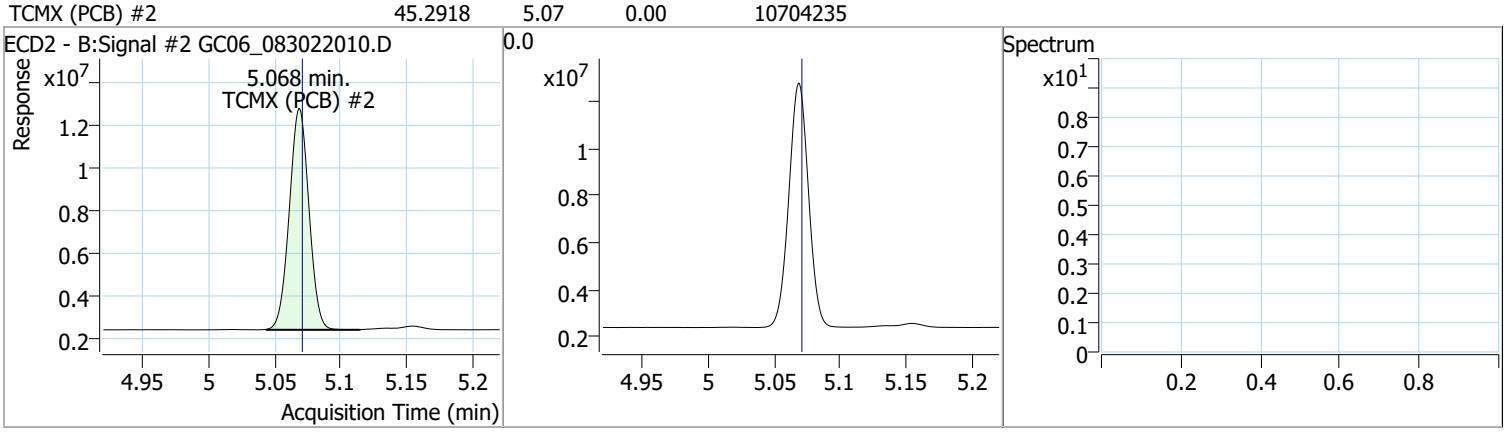


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.125	0.0	5159855.718	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.356	0.0	1182537.592	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB) #2	5.068	0.0	10704234.869	45.2918	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 226.46%		*	
S TCMX (PCB)	5.209	0.0	2406857.030	42.3143	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 211.57%		*	
S Decachlorobiphenyl (PCB)	12.683	0.0	3091105.886	34.3787	ng/ml		-0.024
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 171.89%		*	
S Decachlorobiphenyl (PCB) #2	13.121	0.0	12945414.825	41.5775	ng/ml		-0.009
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 207.89%		*	
Target Compounds							QValue

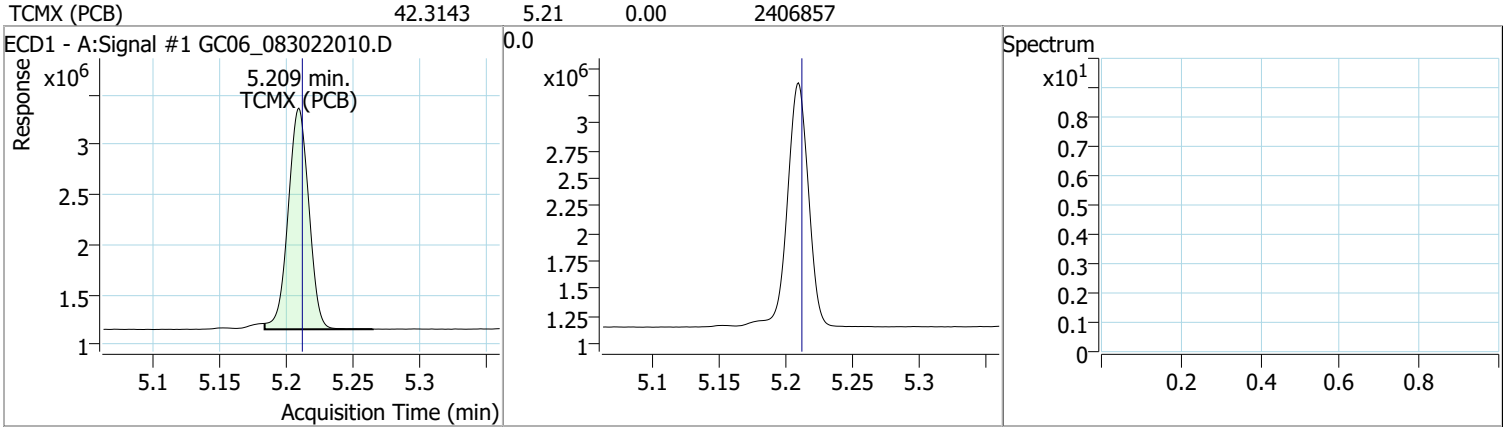
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.509	0.0	2211250.570	457.6219	ng/ml	100
T AR1016 1	5.559	0.0	564944.782	488.3982	ng/ml	100
T AR1016 2 #2	5.903	0.0	4626567.009	461.3786	ng/ml	100
T AR1016 2	5.912	0.0	1086614.025	431.4304	ng/ml	100
T AR1016 3 #2	6.389	0.0	5649077.446	427.1664	ng/ml	100
T AR1016 3	6.391	0.0	1303676.473	439.8104	ng/ml	100
T AR1016 4	6.532	0.0	885919.775	399.3850	ng/ml	100
T AR1016 4 #2	6.539	0.0	4077782.966	454.5021	ng/ml	100
T AR1016 5	7.023	0.0	803451.859	468.2434	ng/ml	100
T AR1016 5 #2	7.319	0.0	3774846.890	538.1480	ng/ml	100
T AR1260 1	9.063	0.0	1678207.617	450.9506	ng/ml	100
T AR1260 1 #2	9.553	0.0	7682785.219	491.9572	ng/ml	100
T AR1260 2	9.605	0.0	2507304.576	437.4252	ng/ml	100
T AR1260 2 #2	9.933	0.0	8577388.376	475.3411	ng/ml	100
T AR1260 3	10.078	0.0	2561311.079	429.8398	ng/ml	100
T AR1260 3 #2	10.470	0.0	10919442.203	445.4039	ng/ml	100
T AR1260 4	10.607	0.0	1486137.868	501.4840	ng/ml	100
T AR1260 4 #2	10.973	0.0	6342818.733	478.1284	ng/ml	100
T AR1260 5	11.336	0.0	1687547.030	430.2488	ng/ml	100
T AR1260 5 #2	11.653	0.0	9344892.666	477.7942	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

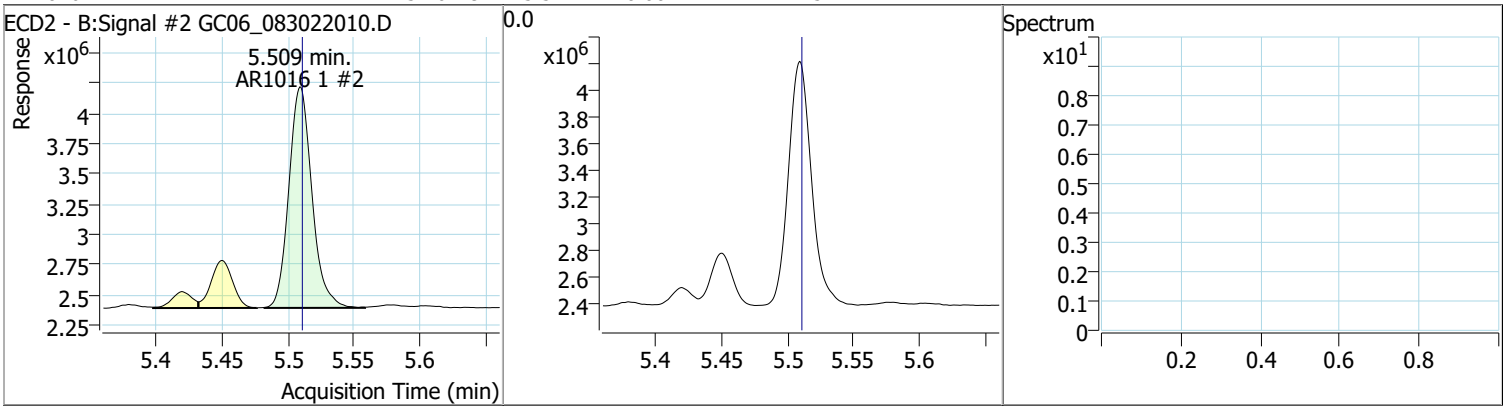
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	45.2918	5.07	0.00	10704235				



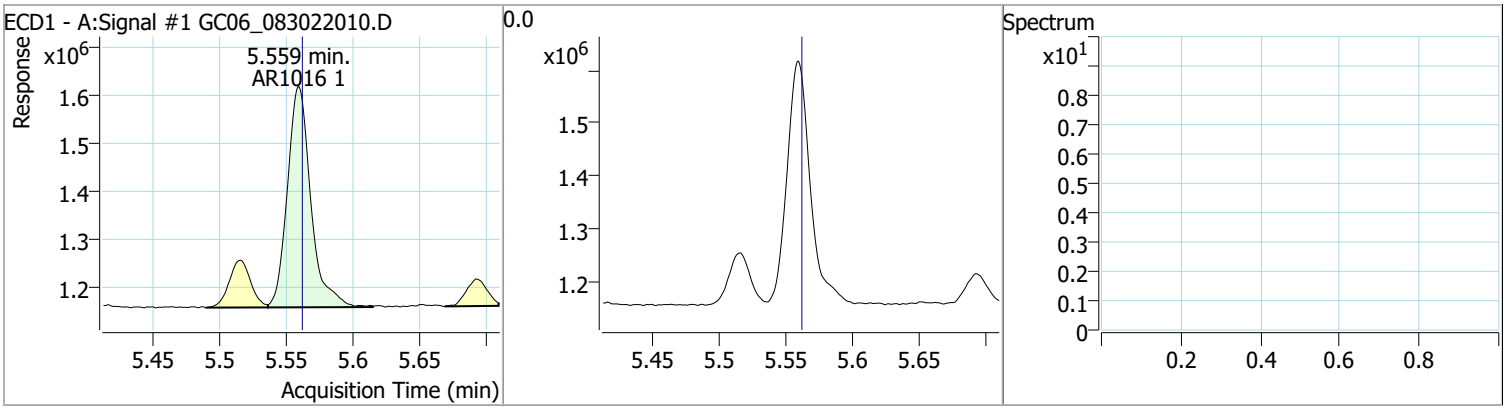
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	42.3143	5.21	0.00	2406857				



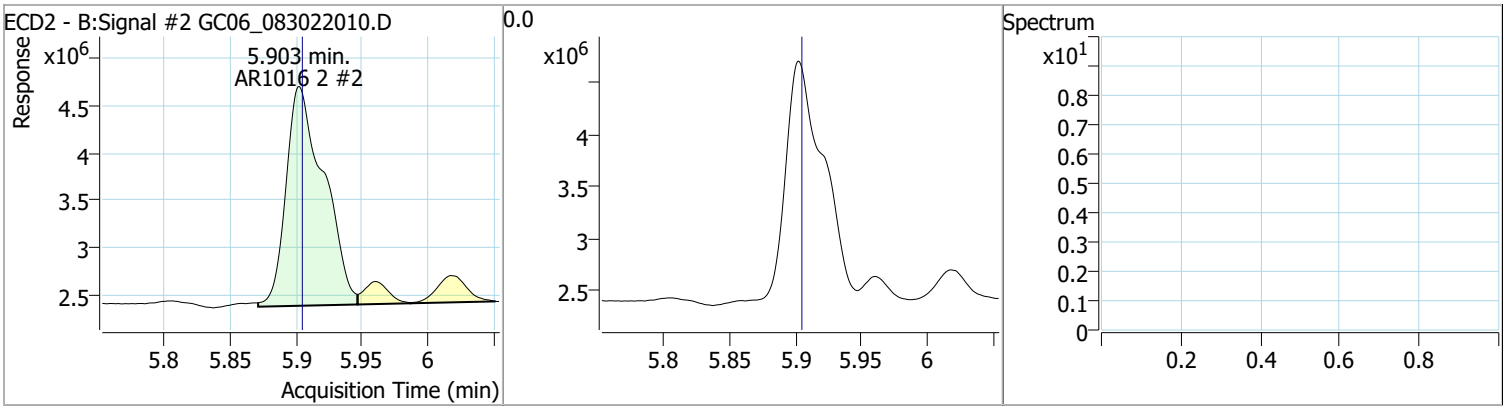
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	457.6219	5.51	0.00	2211251				



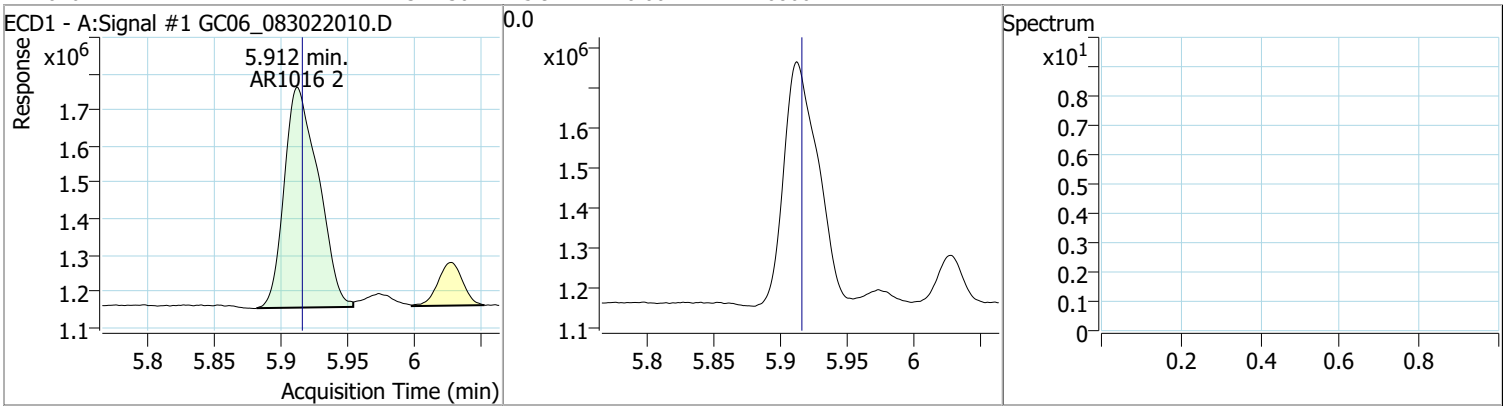
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	488.3982	5.56	0.00	564945				



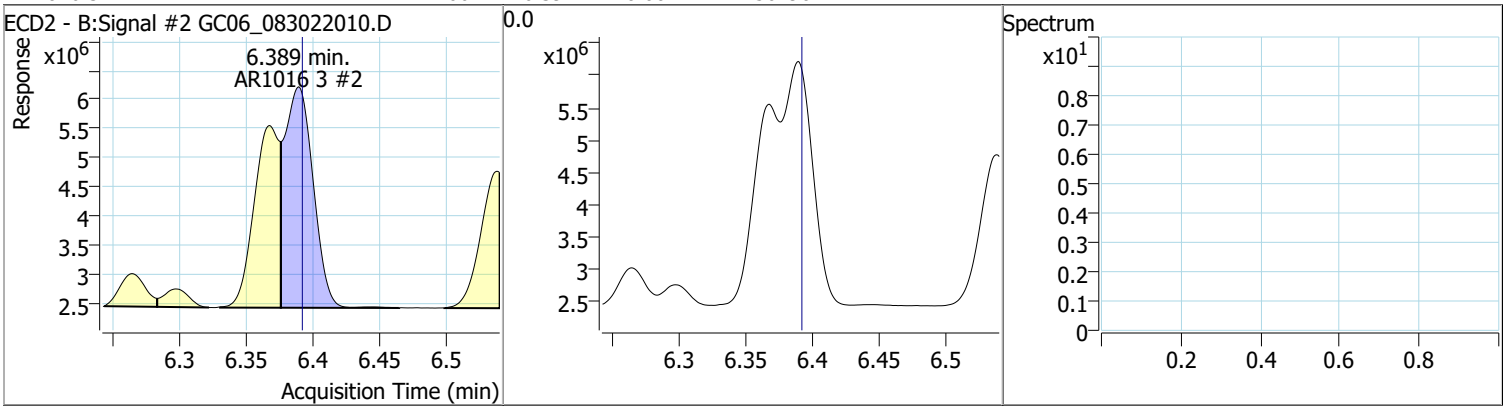
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	461.3786	5.90	0.00	4626567				



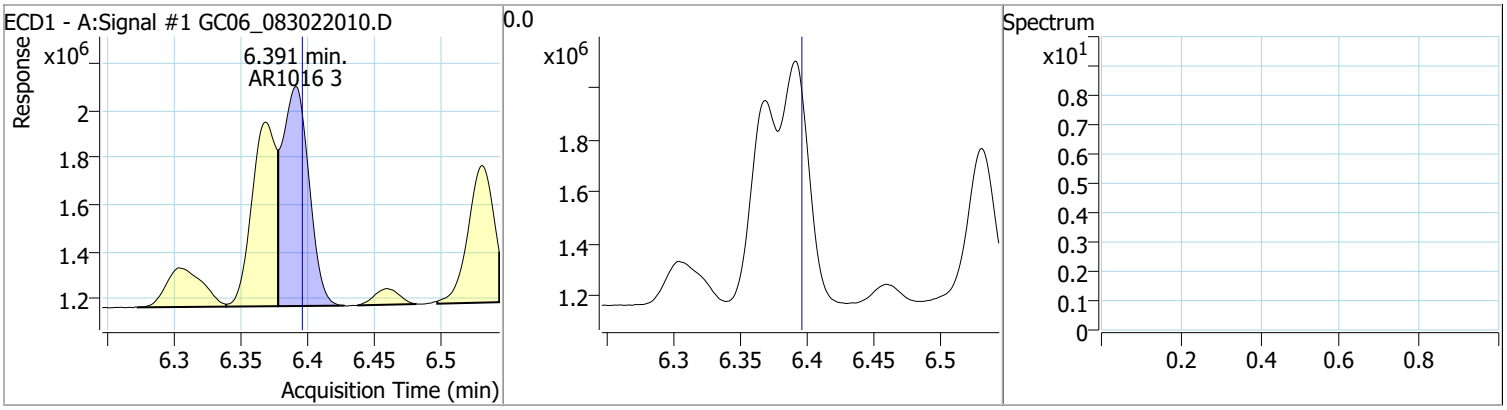
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	431.4304	5.91	0.00	1086614				



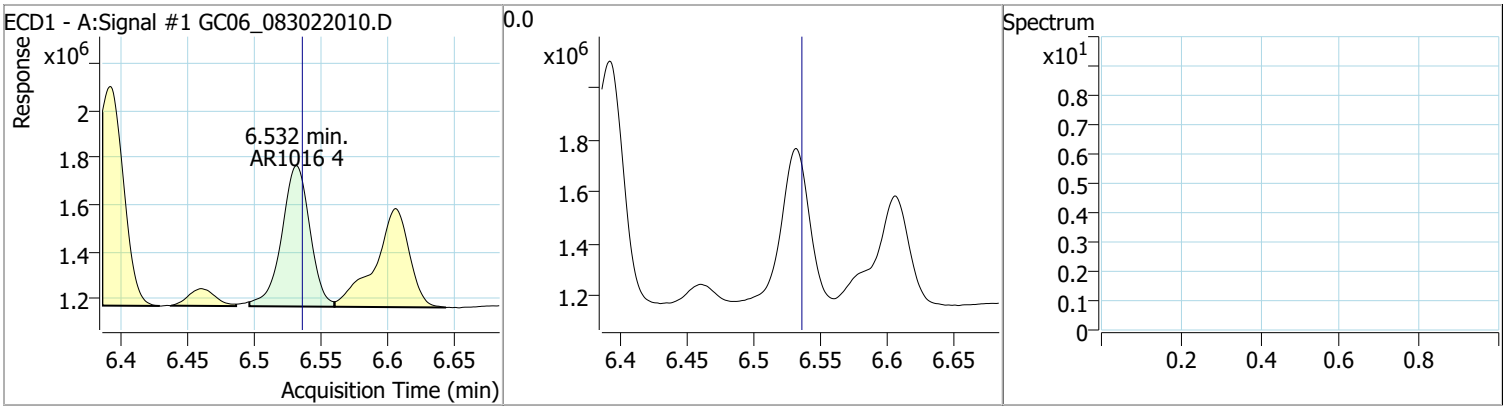
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	427.1664	6.39	0.00	5649077				



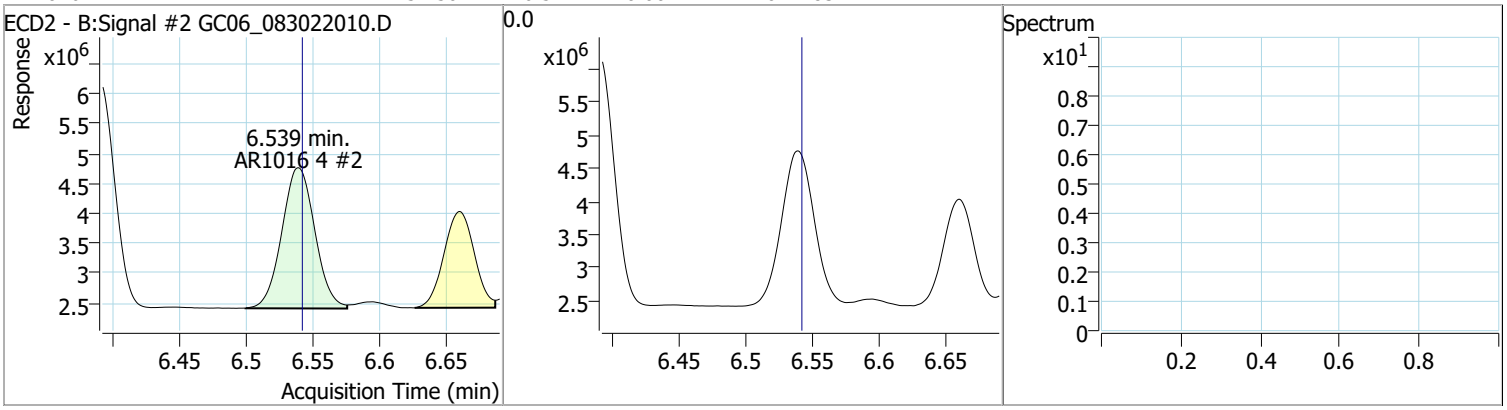
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	439.8104	6.39	0.00	1303676				



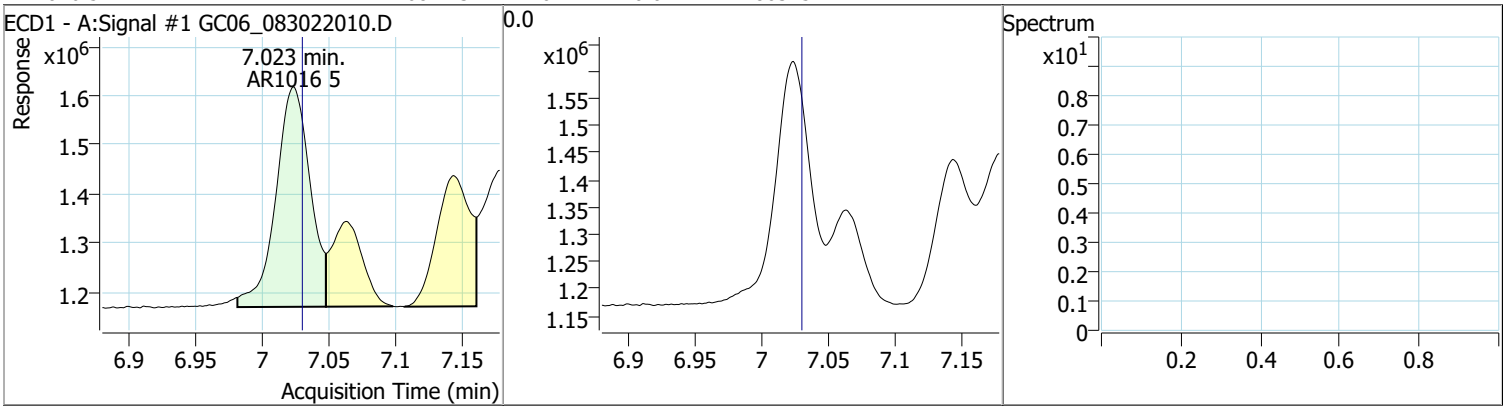
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	399.3850	6.53	0.00	885920				



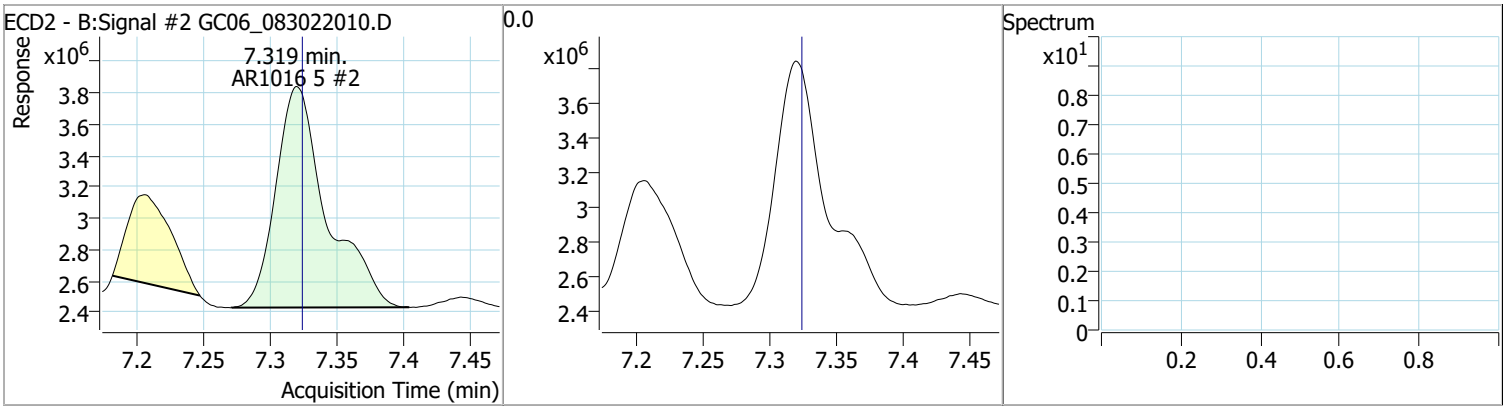
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	454.5021	6.54	0.00	4077783				



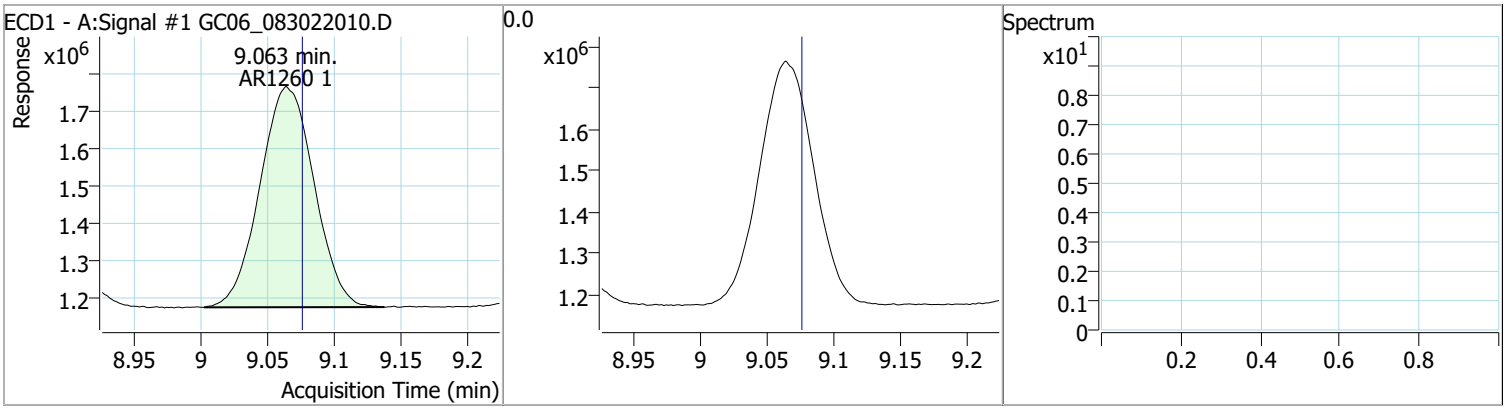
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	468.2434	7.02	-0.01	803452				



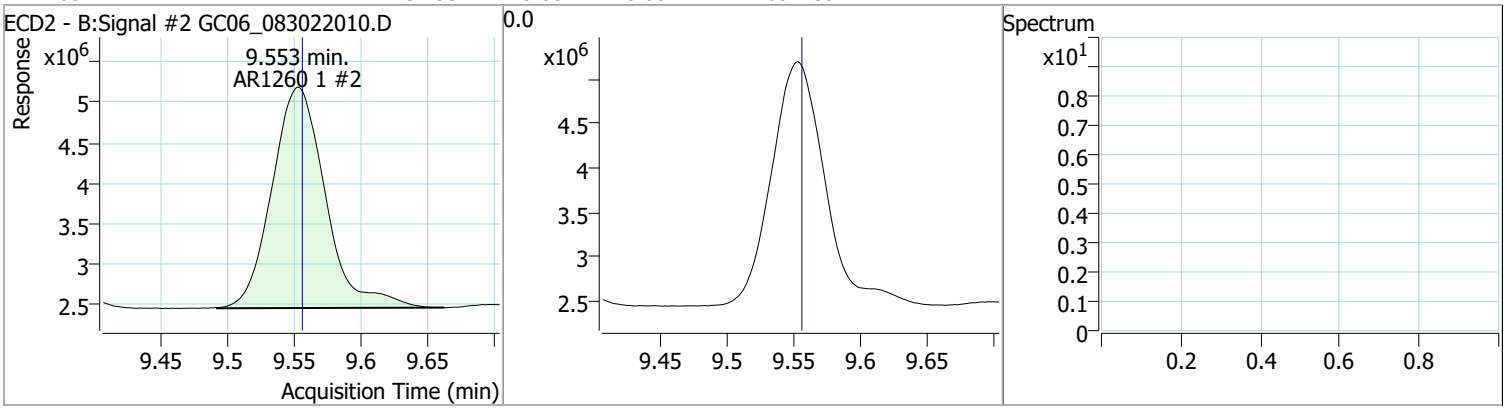
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	538.1480	7.32	0.00	3774847				



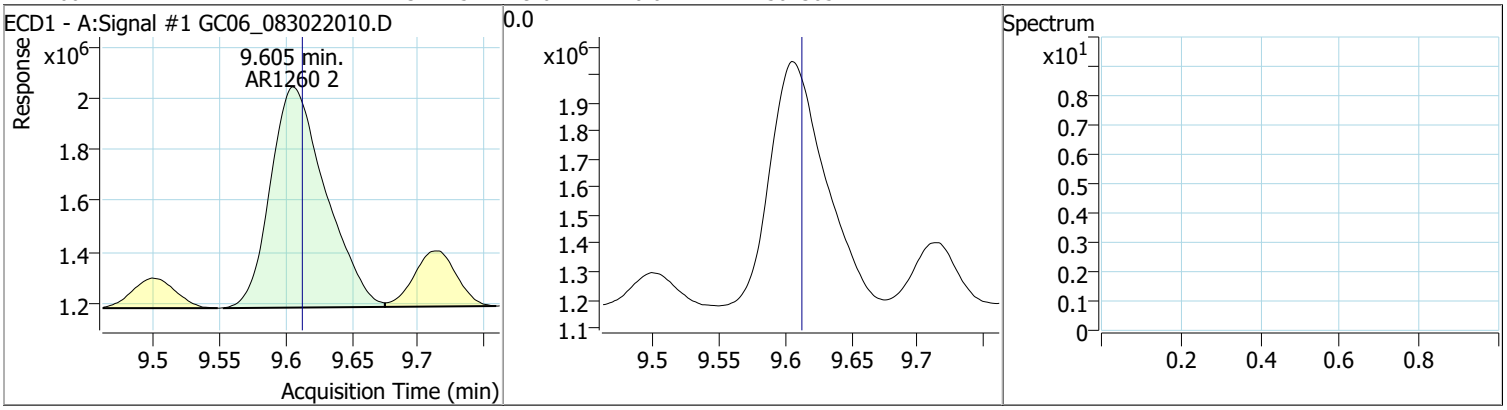
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	450.9506	9.06	-0.01	1678208				



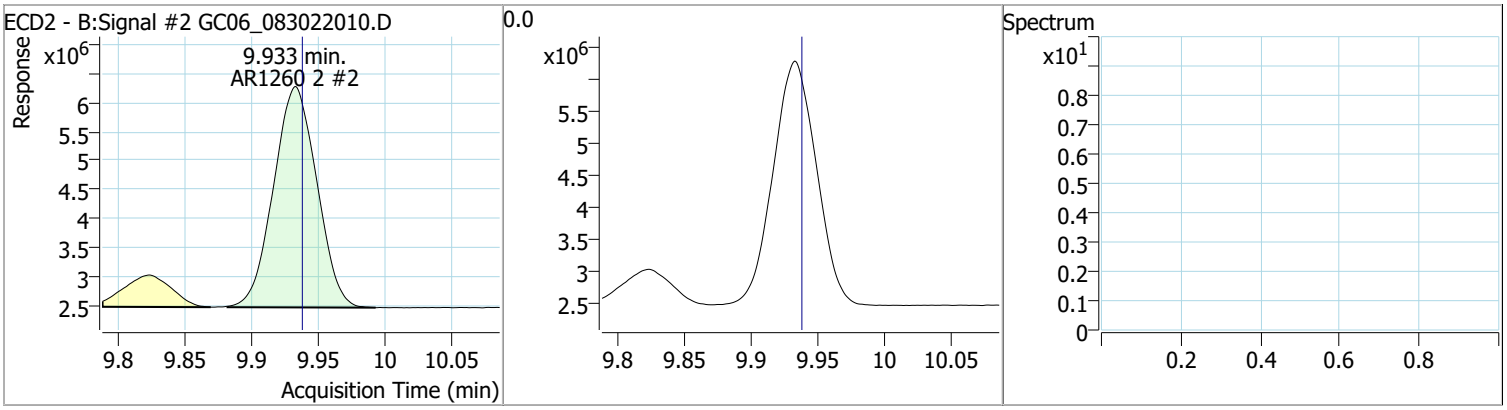
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	491.9572	9.55	0.00	7682785				



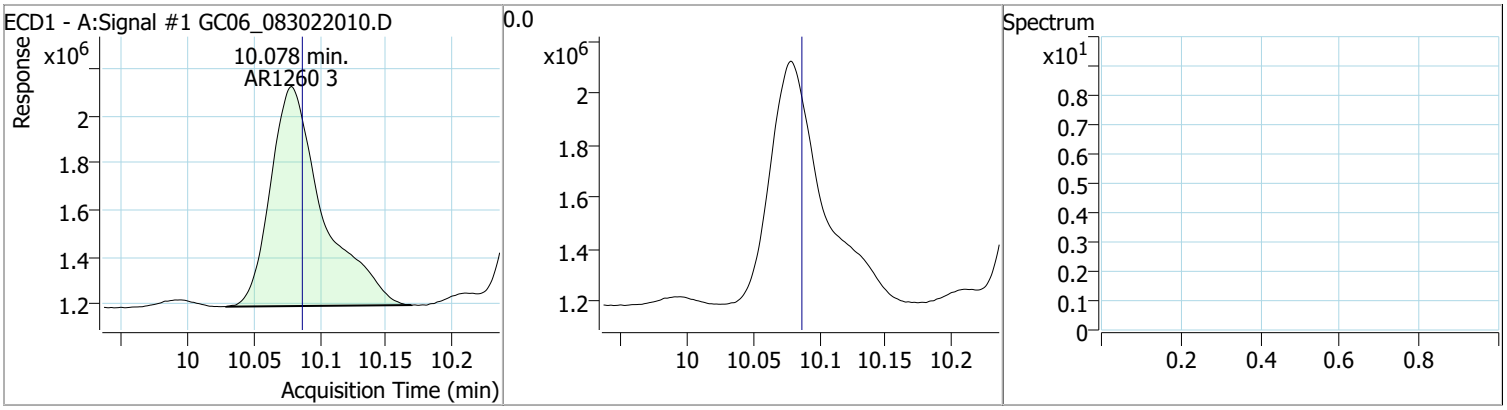
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	437.4252	9.61	-0.01	2507305				



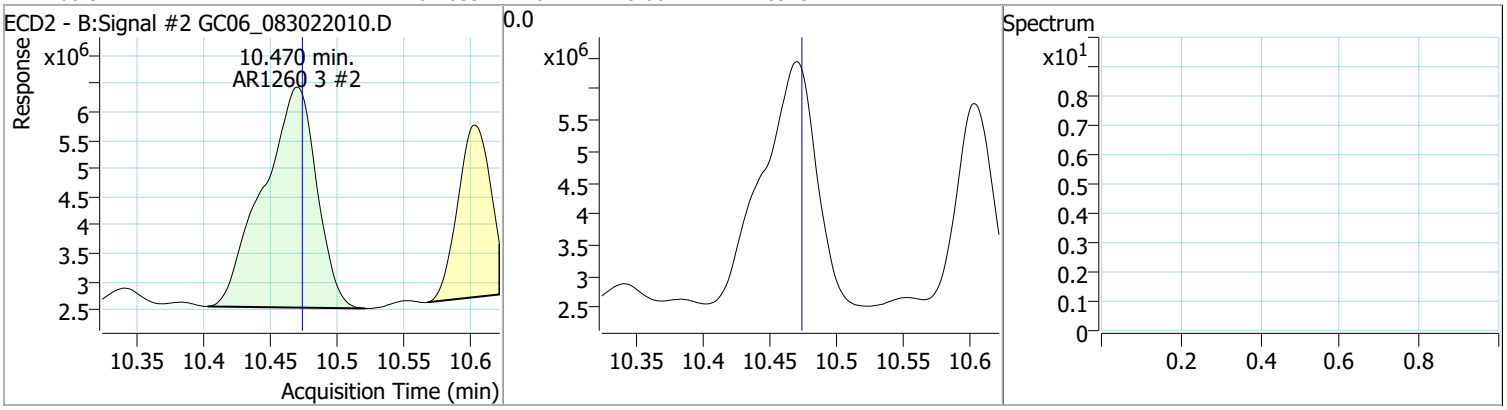
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	475.3411	9.93	0.00	8577388				



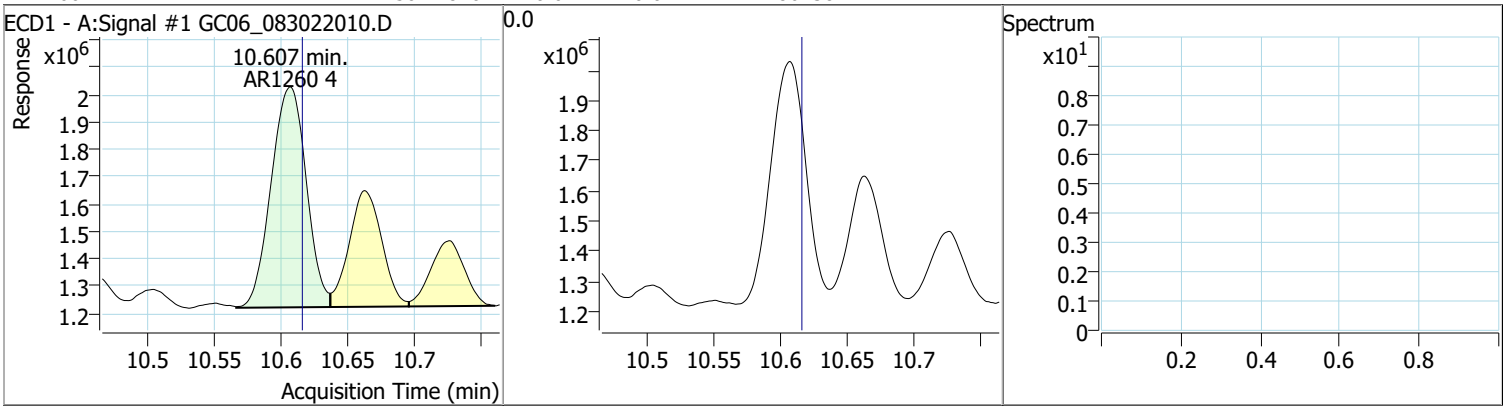
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	429.8398	10.08	-0.01	2561311				



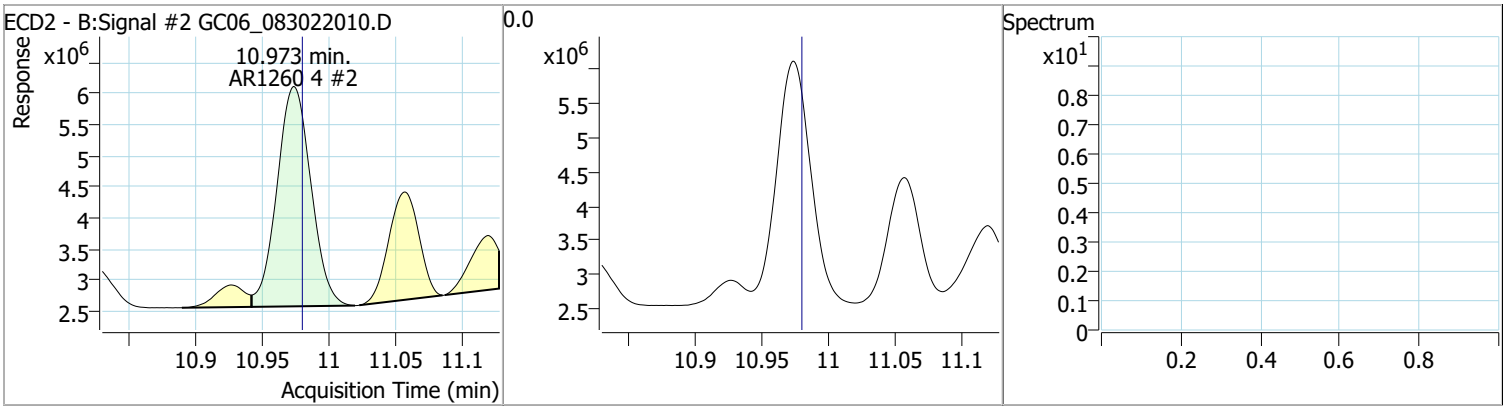
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	445.4039	10.47	0.00	10919442				



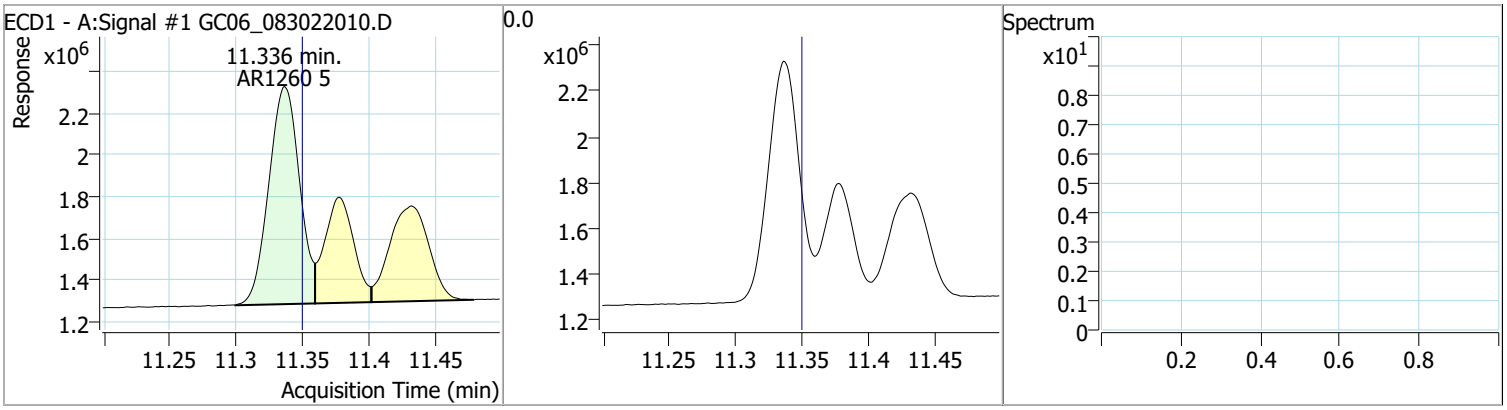
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	501.4840	10.61	-0.01	1486138				



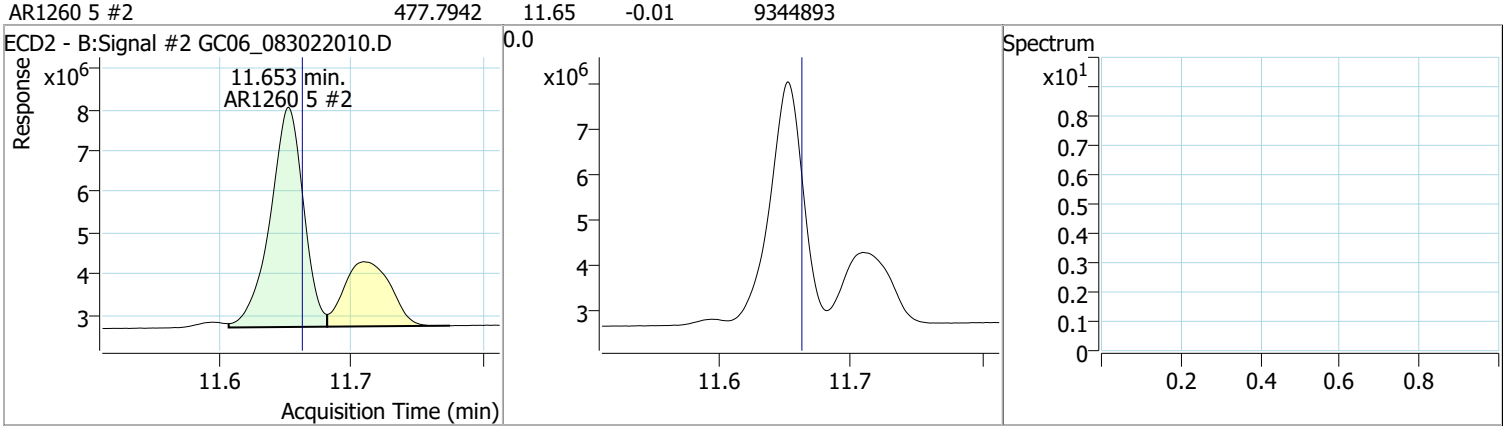
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	478.1284	10.97	-0.01	6342819				



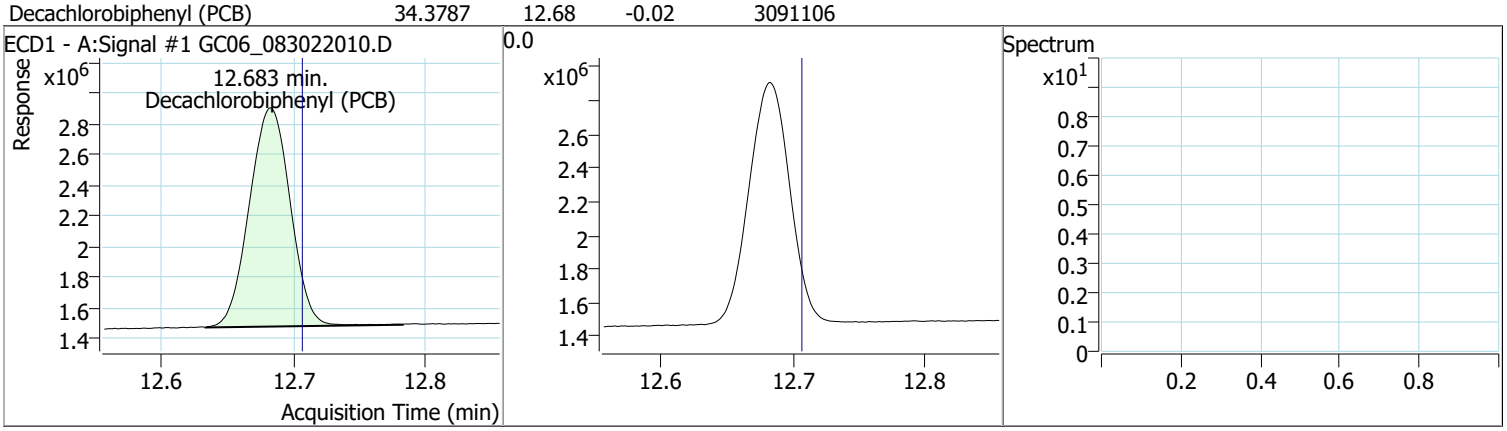
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	430.2488	11.34	-0.01	1687547				



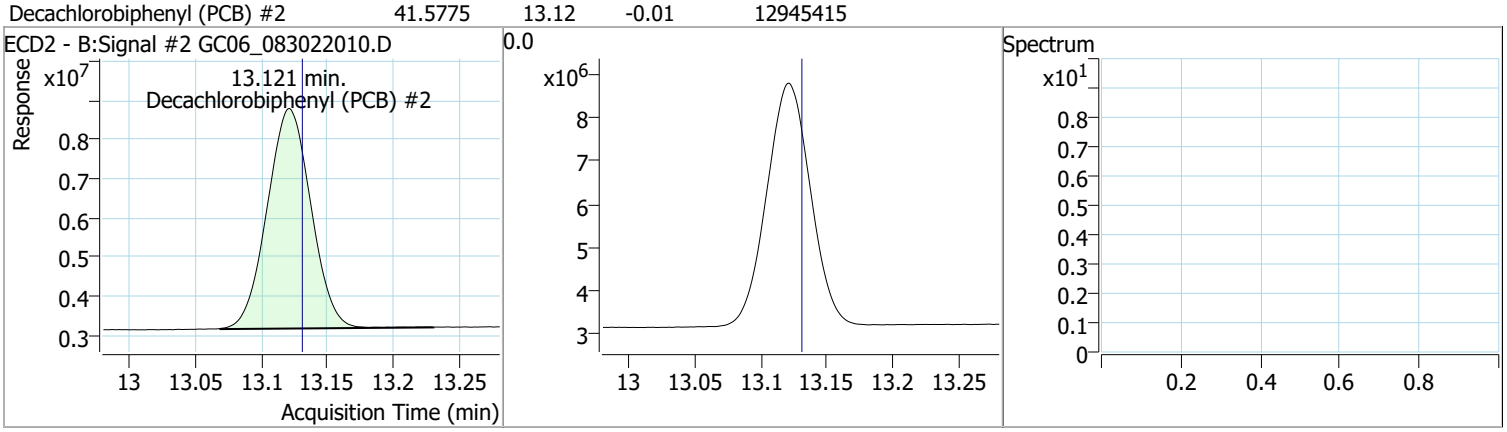
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	477.7942	11.65	-0.01	9344893				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	34.3787	12.68	-0.02	3091106				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	41.5775	13.12	-0.01	12945415				



Initial Calibration Raw Data

ENTHALPY INITIAL CALIBRATION FOR 467769 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_041422_1
Calibration #:	452150634002	Date:	14-APR-2022 18:41
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_041422015	452150634015		14-APR-2022 18:41	S16585 (100X), S16100 (250X)
L2	gc06_041422016	452150634016		14-APR-2022 18:58	S16585 (40X), S16100 (250X)
L3	gc06_041422017	452150634017		14-APR-2022 19:16	S16585 (20X), S16100 (250X)
L4	gc06_041422018	452150634018		14-APR-2022 19:33	S16585 (8X), S16100 (250X)
L5	gc06_041422019	452150634019		14-APR-2022 19:51	S16585 (4X), S16100 (250X)
L6	gc06_041422020	452150634020		14-APR-2022 20:09	S16585 (2.667X), S16100 (250X)
L7	gc06_041422021	452150634021		14-APR-2022 20:26	S16585 (2X), S16100 (250X)
L8	gc06_041422022	452150634022		14-APR-2022 20:44	S16585 (1.33X), S16100 (250X)
L9	gc06_041422023	452150634023		14-APR-2022 21:01	S16585, S16100 (250X)

Analyte	Ch	Type	a0	a1	a2	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		51.1278		0.0196	12	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		23.4813		0.0426	17	9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		19.9522		0.0501	7	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		26.6618		0.0375	10	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		34.4669		0.0290	13	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		15.8917		0.0629	17	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		10.3178		0.0969	16	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		9.92526		0.1008	11	9	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		19.9568		0.0501	14	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		15.0787		0.0663	10	9	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.65776		1.5203	11	9	.99	20	
TCMX (PCB)	A	AVRG		1.03976		0.9618	12	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		53.4063		0.0187	13	8	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		25.7342		0.0389	10	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		19.5135		0.0512	8	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		28.7624		0.0348	10	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		36.7890		0.0272	8	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		16.5241		0.0605	17	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		14.3009		0.0699	15	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		10.5262		0.0950	13	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		19.4527		0.0514	13	9	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		13.1942		0.0758	14	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.82881		1.2065	11	9	.99	20	
TCMX (PCB)	B	AVRG		1.09191		0.9158	4	9	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

ENTHALPY INITIAL CALIBRATION FOR 467769 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_041422_1
Calibration #:	452150634002	Date:	14-APR-2022 18:41
Units:	ug/L	X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0231	0.0227	0.0209	0.0201	0.0187	0.0179	0.0181	0.0177	0.0170
Aroclor-1016 Peak # 2	A	0.0579	0.0492	0.0459	0.0411	0.0401	0.0377	0.0380	0.0376	0.0358
Aroclor-1016 Peak # 3	A	0.0556	0.0544	0.0533	0.0502	0.0495	0.0465	0.0475	0.0478	0.0462
Aroclor-1016 Peak # 4	A	0.0452	0.0402	0.0403	0.0373	0.0367	0.0344	0.0348	0.0349	0.0336
Aroclor-1016 Peak # 5	A	0.0366	0.0313	0.0318	0.0288	0.0282	0.0260	0.0265	0.0266	0.0254
Aroclor-1260 Peak # 1	A	0.0863	0.0696	0.0704	0.0605	0.0604	0.0546	0.0553	0.0564	0.0528
Aroclor-1260 Peak # 2	A	0.1290	0.1076	0.1081	0.0929	0.0932	0.0843	0.0856	0.0887	0.0829
Aroclor-1260 Peak # 3	A	0.1233	0.1080	0.1086	0.0954	0.0970	0.0903	0.0930	0.0985	0.0928
Aroclor-1260 Peak # 4	A	0.0649	0.0543	0.0546	0.0479	0.0490	0.0442	0.0449	0.0473	0.0440
Aroclor-1260 Peak # 5	A	0.0797	0.0687	0.0724	0.0626	0.0650	0.0598	0.0618	0.0654	0.0615
Decachlorobiphenyl (PCB)	A	1.7379	1.5882	1.7199	1.5711	1.6300	1.3467	1.3670	1.4227	1.2993
TCMX (PCB)	A	1.2458	1.0303	0.9495	0.8937	0.9019	0.8810	0.9149	0.9235	0.9152
Aroclor-1016 Peak # 1	B		0.0232	0.0215	0.0191	0.0183	0.0172	0.0173	0.0168	0.0162
Aroclor-1016 Peak # 2	B	0.0444	0.0428	0.0426	0.0397	0.0384	0.0360	0.0363	0.0355	0.0340
Aroclor-1016 Peak # 3	B	0.0572	0.0573	0.0541	0.0510	0.0506	0.0471	0.0486	0.0480	0.0473
Aroclor-1016 Peak # 4	B	0.0420	0.0372	0.0371	0.0352	0.0341	0.0320	0.0325	0.0320	0.0309
Aroclor-1016 Peak # 5	B	0.0313	0.0295	0.0290	0.0271	0.0270	0.0252	0.0256	0.0255	0.0245
Aroclor-1260 Peak # 1	B	0.0820	0.0682	0.0674	0.0585	0.0578	0.0528	0.0531	0.0540	0.0509
Aroclor-1260 Peak # 2	B	0.0913	0.0772	0.0777	0.0683	0.0672	0.0613	0.0623	0.0639	0.0601
Aroclor-1260 Peak # 3	B	0.1205	0.1032	0.1035	0.0913	0.0919	0.0839	0.0860	0.0896	0.0852
Aroclor-1260 Peak # 4	B	0.0648	0.0555	0.0557	0.0505	0.0510	0.0461	0.0439	0.0490	0.0462
Aroclor-1260 Peak # 5	B	0.0991	0.0829	0.0833	0.0720	0.0729	0.0663	0.0670	0.0713	0.0673
Decachlorobiphenyl (PCB)	B	1.4005	1.2744	1.3672	1.2436	1.2790	1.0642	1.0803	1.1172	1.0325
TCMX (PCB)	B	1.0035	0.9180	0.8869	0.8884	0.9009	0.8817	0.9159	0.9229	0.9244

ENTHALPY INITIAL CALIBRATION FOR 467769 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_041422_1
Calibration #:	452150634002	Date:	14-APR-2022 18:41
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	18	50.000	16	100.00	7	250.00	3	500.00	-4	749.91	-9	1000.0	-8	1503.8	-10
Aroclor-1016 Peak # 2	A	20.000	**36**	50.000	15	100.00	8	250.00	-3	500.00	-6	749.91	-11	1000.0	-11	1503.8	-12
Aroclor-1016 Peak # 3	A	20.000	11	50.000	9	100.00	6	250.00	0	500.00	-1	749.91	-7	1000.0	-5	1503.8	-5
Aroclor-1016 Peak # 4	A	20.000	**21**	50.000	7	100.00	8	250.00	-1	500.00	-2	749.91	-8	1000.0	-7	1503.8	-7
Aroclor-1016 Peak # 5	A	20.000	**26**	50.000	8	100.00	9	250.00	-1	500.00	-3	749.91	-11	1000.0	-9	1503.8	-8
Aroclor-1260 Peak # 1	A	20.000	**37**	50.000	11	100.00	12	250.00	-4	500.00	-4	749.91	-13	1000.0	-12	1503.8	-10
Aroclor-1260 Peak # 2	A	20.000	**33**	50.000	11	100.00	11	250.00	-4	500.00	-4	749.91	-13	1000.0	-12	1503.8	-8
Aroclor-1260 Peak # 3	A	20.000	**22**	50.000	7	100.00	8	250.00	-5	500.00	-4	749.91	-10	1000.0	-8	1503.8	-2
Aroclor-1260 Peak # 4	A	20.000	**29**	50.000	8	100.00	9	250.00	-4	500.00	-2	749.91	-12	1000.0	-10	1503.8	-6
Aroclor-1260 Peak # 5	A	20.000	20	50.000	4	100.00	9	250.00	-6	500.00	-2	749.91	-10	1000.0	-7	1503.8	-1
Decachlorobiphenyl (PCB)	A	0.8000	14	2.0000	4	4.0000	13	10.000	3	20.000	7	29.996	-11	40.000	-10	60.150	-6
TCMX (PCB)	A	0.8000	**30**	2.0000	7	4.0000	-1	10.000	-7	20.000	-6	29.996	-8	40.000	-5	60.150	-4
Aroclor-1016 Peak # 1	B			50.000	**24**	100.00	15	250.00	2	500.00	-2	749.91	-8	1000.0	-8	1503.8	-10
Aroclor-1016 Peak # 2	B	20.000	14	50.000	10	100.00	10	250.00	2	500.00	-1	749.91	-7	1000.0	-7	1503.8	-9
Aroclor-1016 Peak # 3	B	20.000	12	50.000	12	100.00	6	250.00	0	500.00	-1	749.91	-8	1000.0	-5	1503.8	-6
Aroclor-1016 Peak # 4	B	20.000	**21**	50.000	7	100.00	7	250.00	1	500.00	-2	749.91	-8	1000.0	-6	1503.8	-8
Aroclor-1016 Peak # 5	B	20.000	15	50.000	8	100.00	7	250.00	0	500.00	-1	749.91	-7	1000.0	-6	1503.8	-6
Aroclor-1260 Peak # 1	B	20.000	**35**	50.000	13	100.00	11	250.00	-3	500.00	-4	749.91	-13	1000.0	-12	1503.8	-11
Aroclor-1260 Peak # 2	B	20.000	**31**	50.000	10	100.00	11	250.00	-2	500.00	-4	749.91	-12	1000.0	-11	1503.8	-9
Aroclor-1260 Peak # 3	B	20.000	**27**	50.000	9	100.00	9	250.00	-4	500.00	-3	749.91	-12	1000.0	-10	1503.8	-6
Aroclor-1260 Peak # 4	B	20.000	**26**	50.000	8	100.00	8	250.00	-2	500.00	-1	749.91	-10	1000.0	-15	1503.8	-5
Aroclor-1260 Peak # 5	B	20.000	**31**	50.000	9	100.00	10	250.00	-5	500.00	-4	749.91	-13	1000.0	-12	1503.8	-6
Decachlorobiphenyl (PCB)	B	0.8000	16	2.0000	6	4.0000	13	10.000	3	20.000	6	29.996	-12	40.000	-10	60.150	-7
TCMX (PCB)	B	0.8000	10	2.0000	0	4.0000	-3	10.000	-3	20.000	-2	29.996	-4	40.000	0	60.150	1

ENTHALPY INITIAL CALIBRATION FOR 467769 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_041422_1
Calibration #:	452150634002	Date:	14-APR-2022 18:41
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-13
Aroclor-1016 Peak # 2	A	2000.0	-16
Aroclor-1016 Peak # 3	A	2000.0	-8
Aroclor-1016 Peak # 4	A	2000.0	-10
Aroclor-1016 Peak # 5	A	2000.0	-12
Aroclor-1260 Peak # 1	A	2000.0	-16
Aroclor-1260 Peak # 2	A	2000.0	-14
Aroclor-1260 Peak # 3	A	2000.0	-8
Aroclor-1260 Peak # 4	A	2000.0	-12
Aroclor-1260 Peak # 5	A	2000.0	-7
Decachlorobiphenyl (PCB)	A	80.000	-15
TCMX (PCB)	A	80.000	-5
Aroclor-1016 Peak # 1	B	2000.0	-14
Aroclor-1016 Peak # 2	B	2000.0	-12
Aroclor-1016 Peak # 3	B	2000.0	-8
Aroclor-1016 Peak # 4	B	2000.0	-11
Aroclor-1016 Peak # 5	B	2000.0	-10
Aroclor-1260 Peak # 1	B	2000.0	-16
Aroclor-1260 Peak # 2	B	2000.0	-14
Aroclor-1260 Peak # 3	B	2000.0	-10
Aroclor-1260 Peak # 4	B	2000.0	-10
Aroclor-1260 Peak # 5	B	2000.0	-11
Decachlorobiphenyl (PCB)	B	80.000	-14
TCMX (PCB)	B	80.000	1

TJW 04/15/22 : Manually integrated due to baseline corrections for all channels in multiple levels

Analyst: TJW 04/15/22

Reviewer: LW 04/15/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 467769 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Name:	PCB_041422_1
Calnum:	452150634002	Cal Date:	14-APR-2022

- ICV 452150634025 (gc06_041422025 14-APR-2022) stds: S16736

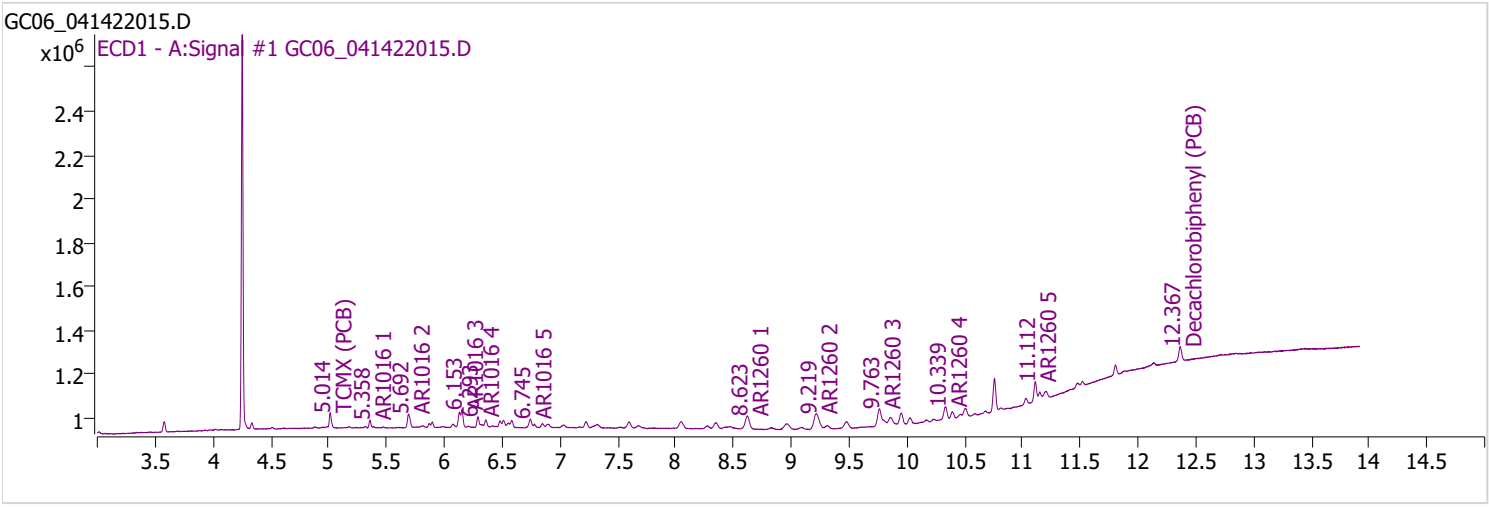
Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	470.1	ug/L	-6	15	
Aroclor-1260	A	500.0	484.1	ug/L	-3	15	
Aroclor-1016	B	500.0	481.4	ug/L	-4	15	
Aroclor-1260	B	500.0	486.3	ug/L	-3	15	

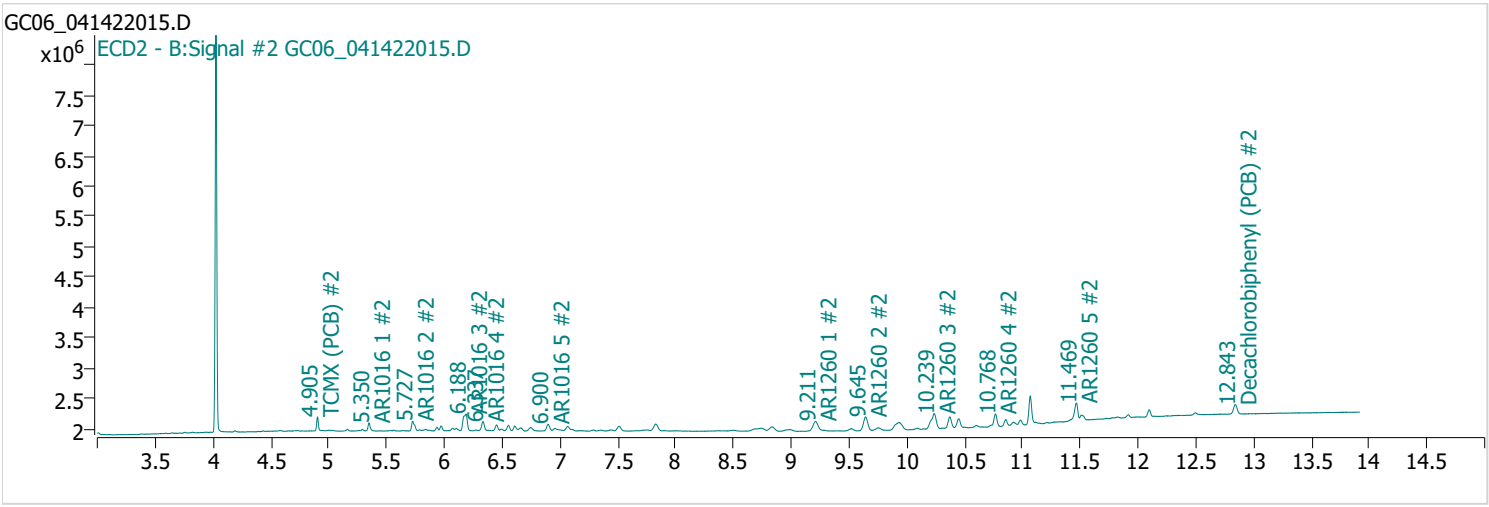
-

Analyst: TJW 04/15/22 **Reviewer:** LW 04/15/22

Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422015.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 6:41:09 PM
Sample Name	ICAL, S16585, 100	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 111	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



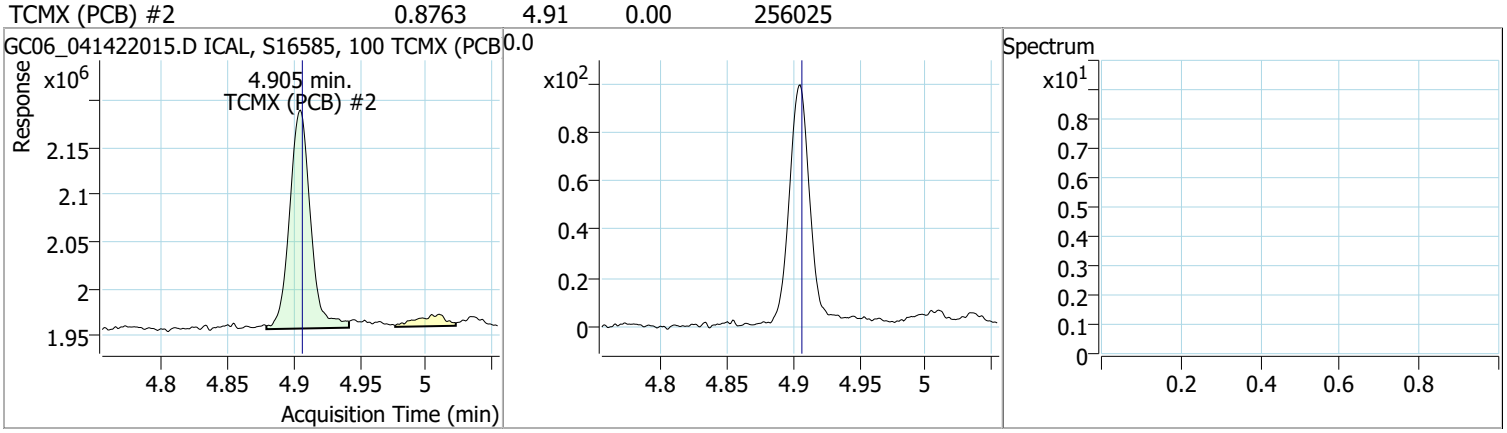


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.253	4.027	1793951	6378384	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.014	4.905	89398	256025	1.036	0.876	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	5.18% *	4.38% *	
S Decachlorobiphenyl (PCB)	12.367	12.843	124710	357322	0.914	0.928	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	4.57% *	4.64% *	
Target Compounds							
T AR1016 1	5.358	5.350	41404	194235	23.595	32.518 #	ng/ml
T AR1016 2	5.692	5.727	103843	283357	27.178	22.859	ng/ml
T AR1016 3	6.153	6.188	99825	364940 m	22.199	22.324	ng/ml
T AR1016 4	6.293	6.337	81145	267822	24.114	24.148	ng/ml
T AR1016 5	6.745	6.900	65739	199594	25.254	23.018	ng/ml
T AR1260 1	8.623	9.211	154821	522967	27.423	27.090	ng/ml
T AR1260 2	9.219	9.645	231396	582072	26.611	26.095	ng/ml
T AR1260 3	9.763	10.239	221143	768352	24.464	25.354	ng/ml
T AR1260 4	10.339	10.768	116367	413484	25.884	25.214	ng/ml

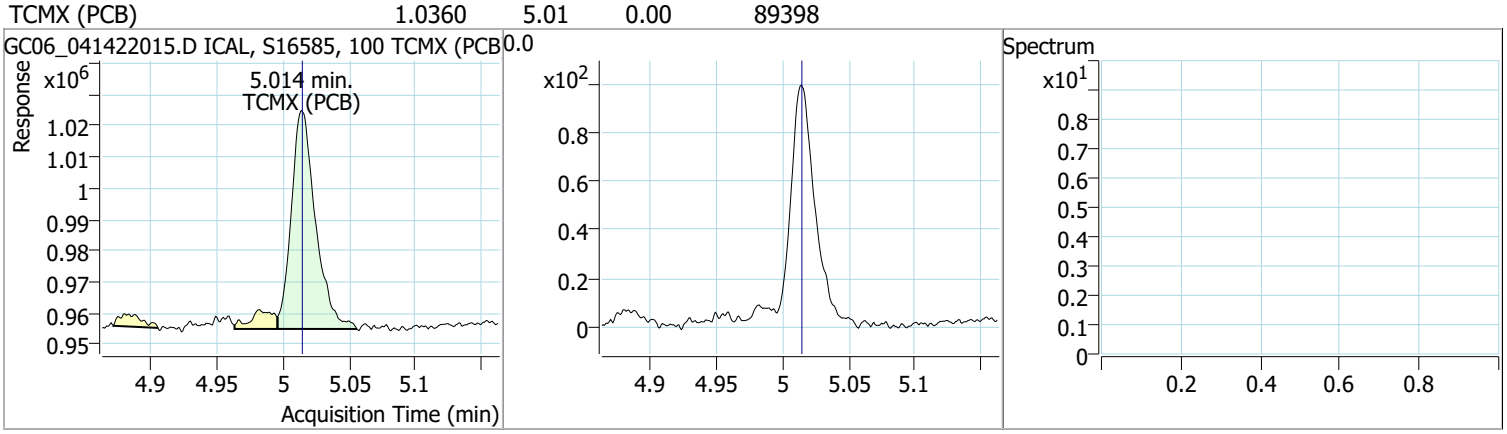
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.112	11.469	142909	632191	24.017	26.148	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

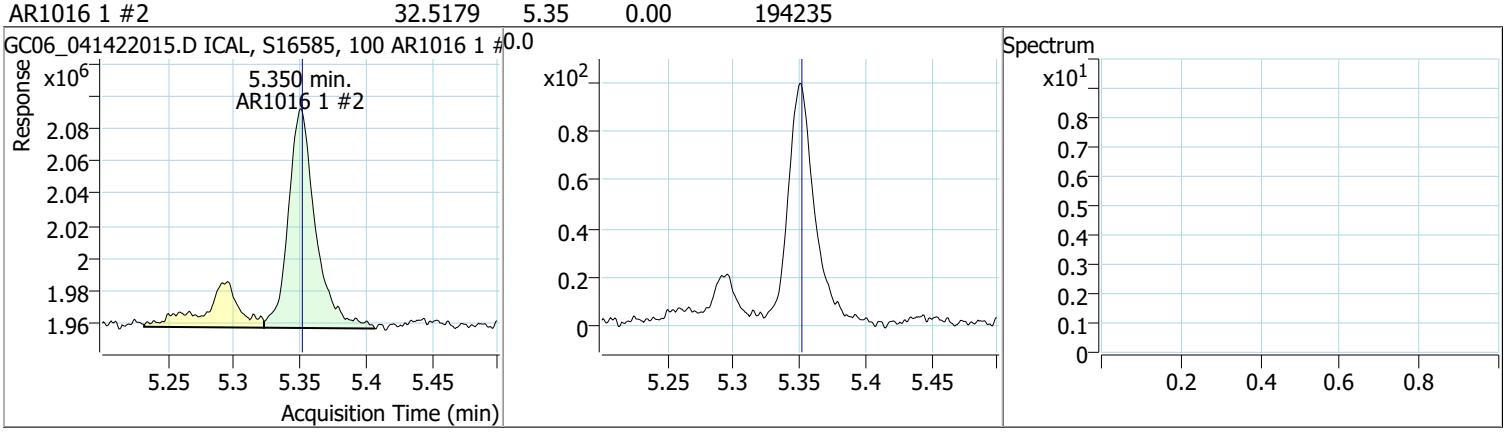
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	0.8763	4.91	0.00	256025			



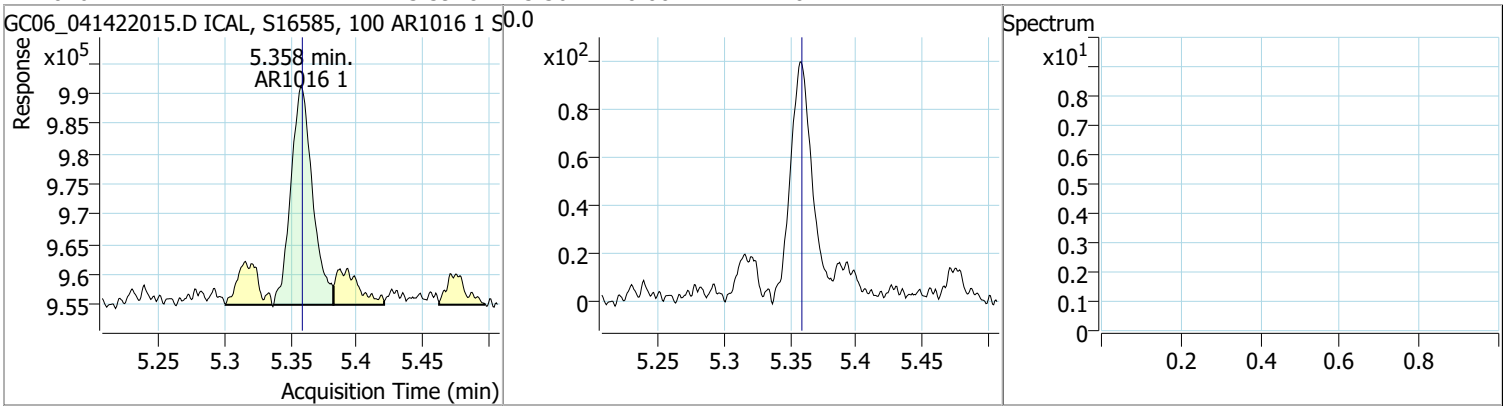
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	1.0360	5.01	0.00	89398			



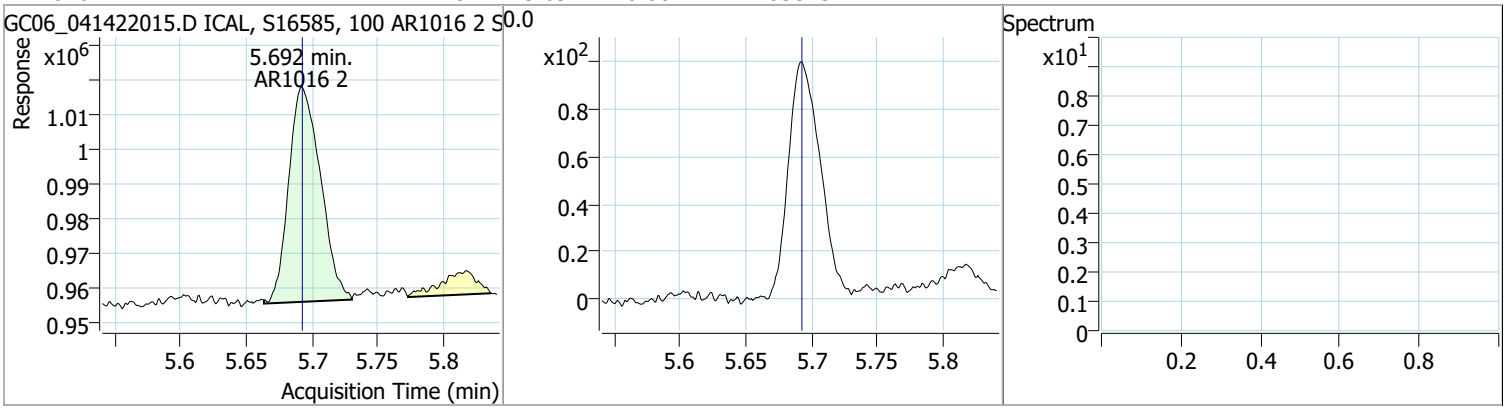
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	32.5179	5.35	0.00	194235			



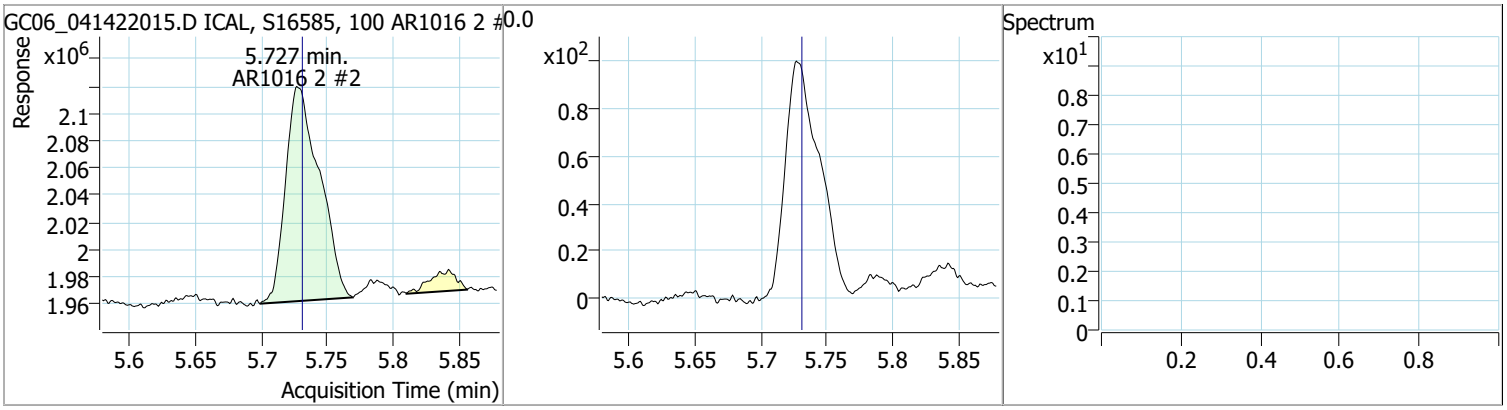
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	23.5948	5.36	0.00	41404			



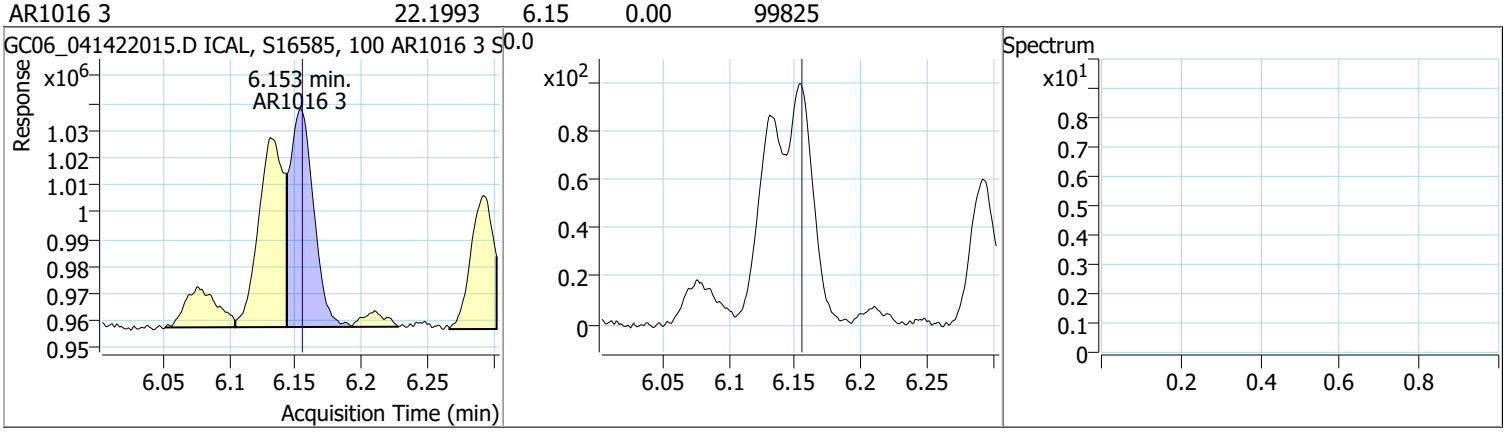
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	27.1781	5.69	0.00	103843			



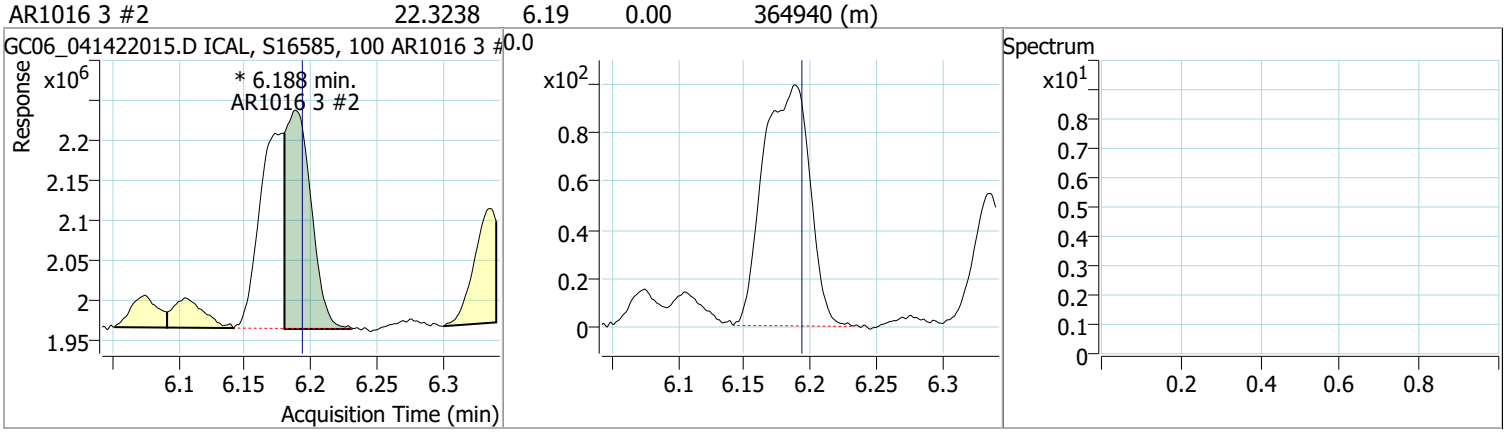
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	22.8591	5.73	0.00	283357			



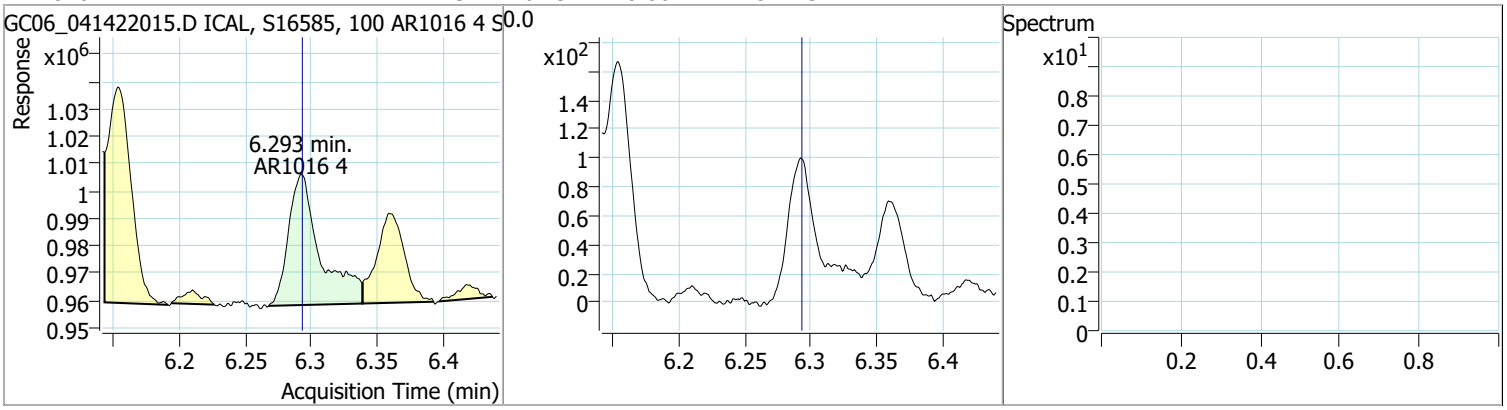
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	22.1993	6.15	0.00	99825			



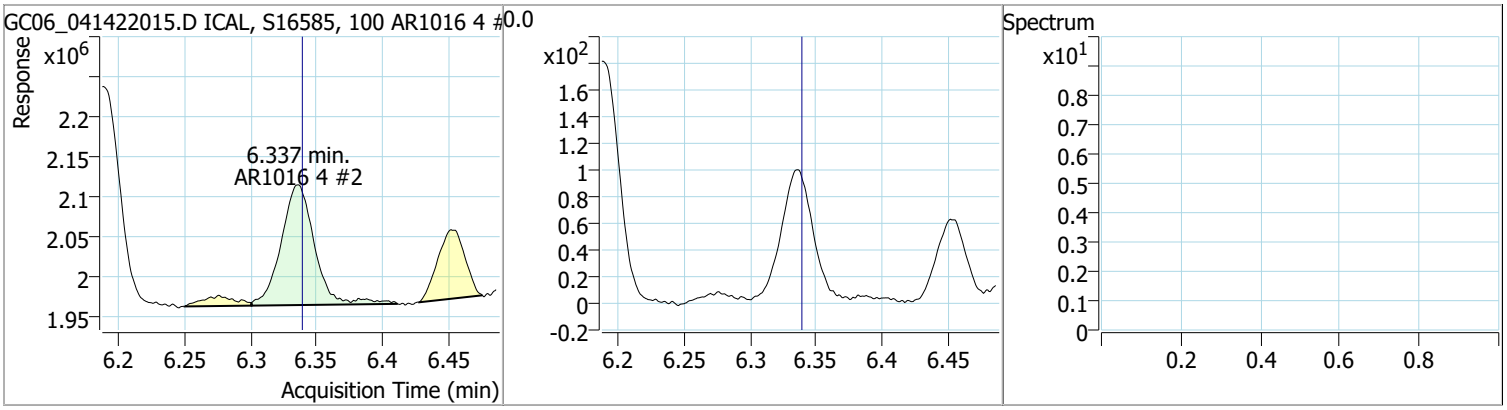
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	22.3238	6.19	0.00	364940 (m)			



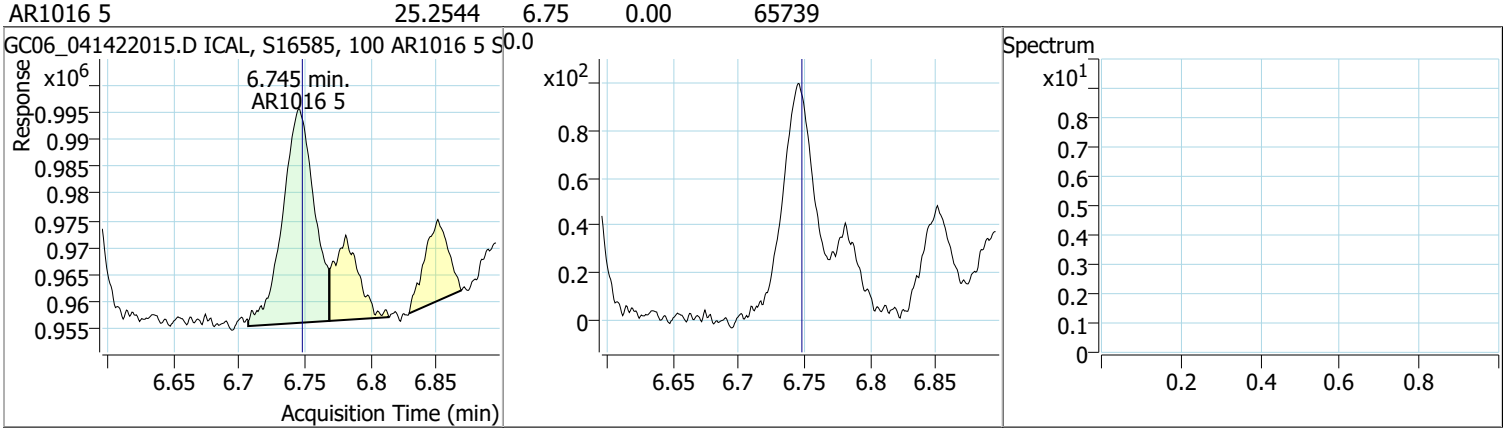
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
AR1016 4	24.1137	6.29	0.00	81145		



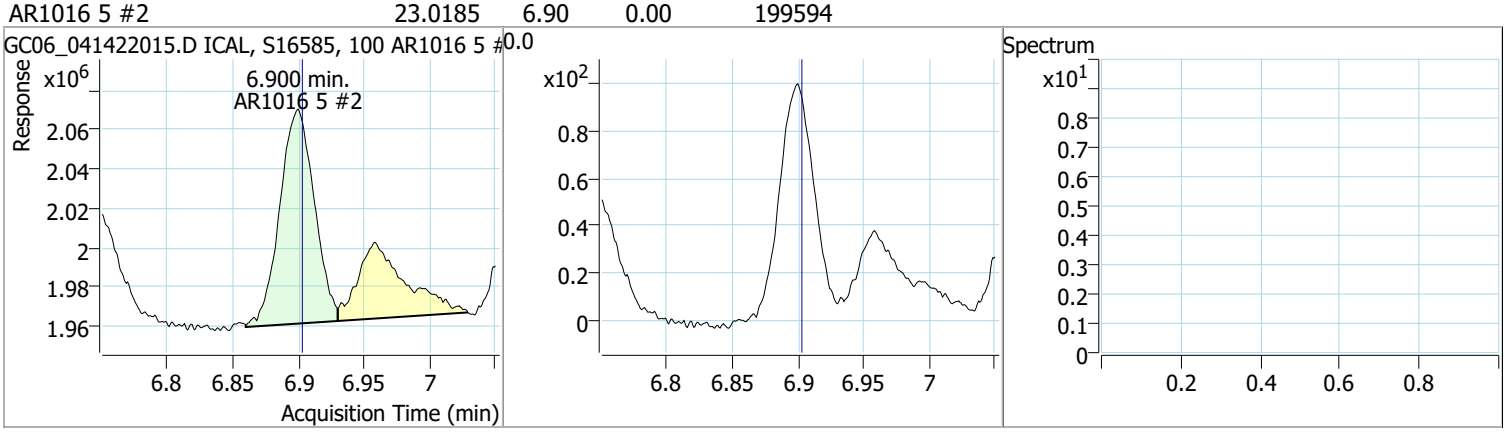
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	24.1482	6.34	0.00	267822		



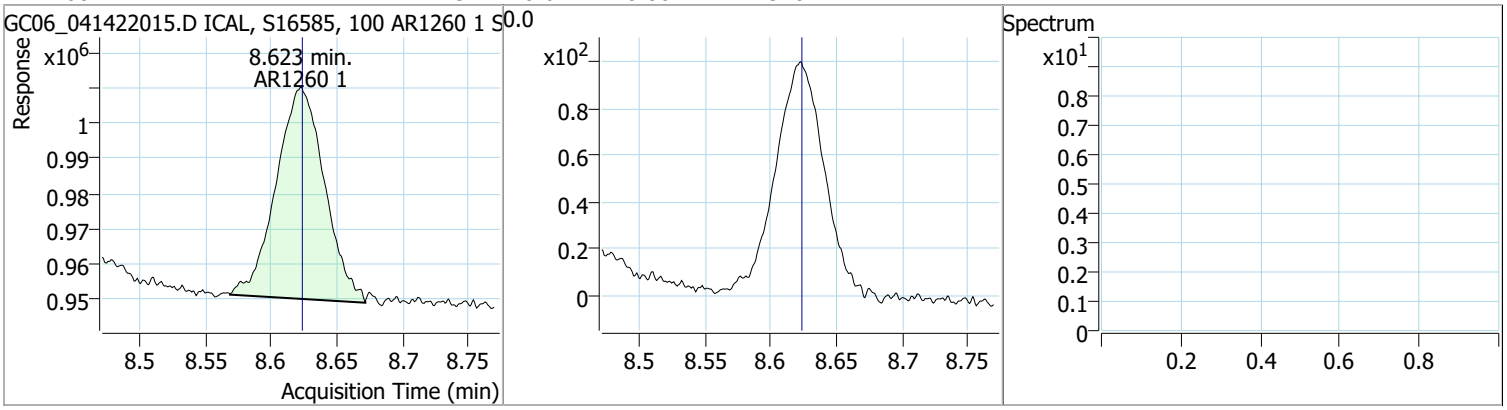
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
AR1016 5	25.2544	6.75	0.00	65739		



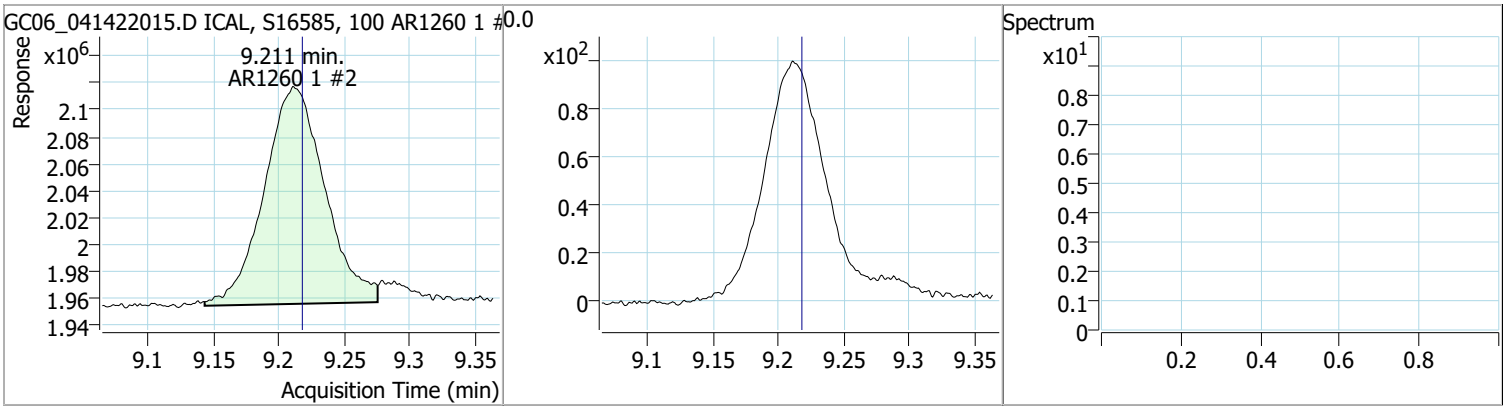
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	23.0185	6.90	0.00	199594		



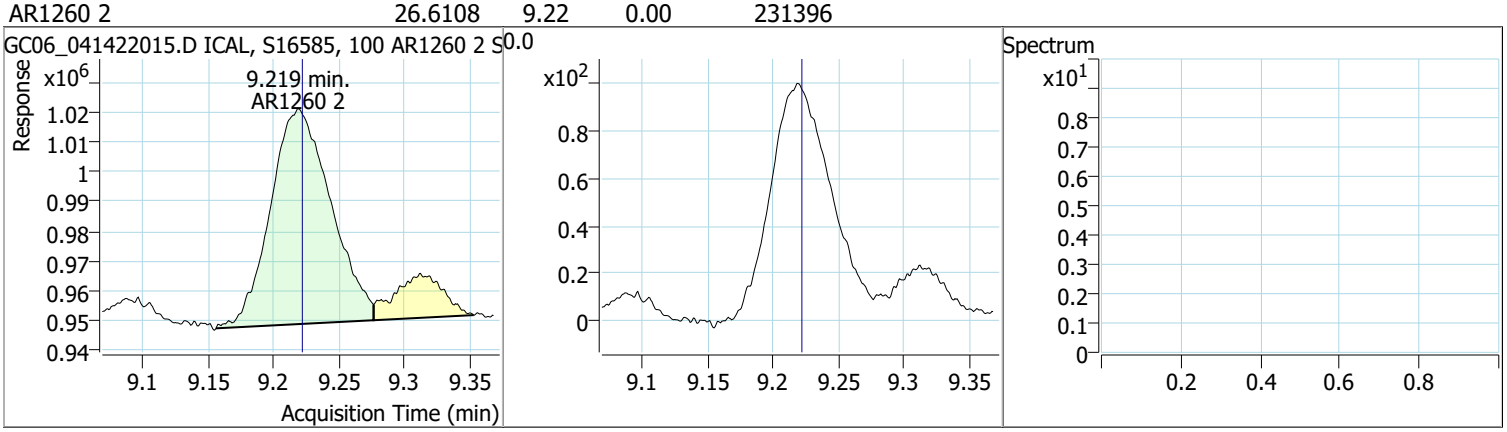
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	27.4232	8.62	0.00	154821			



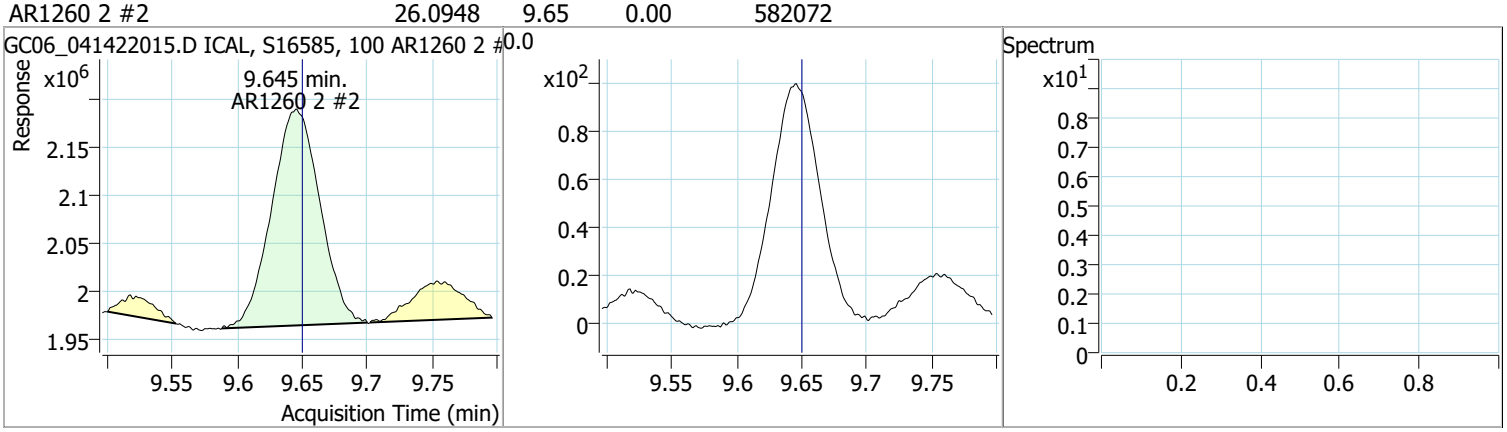
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	27.0901	9.21	0.00	522967			



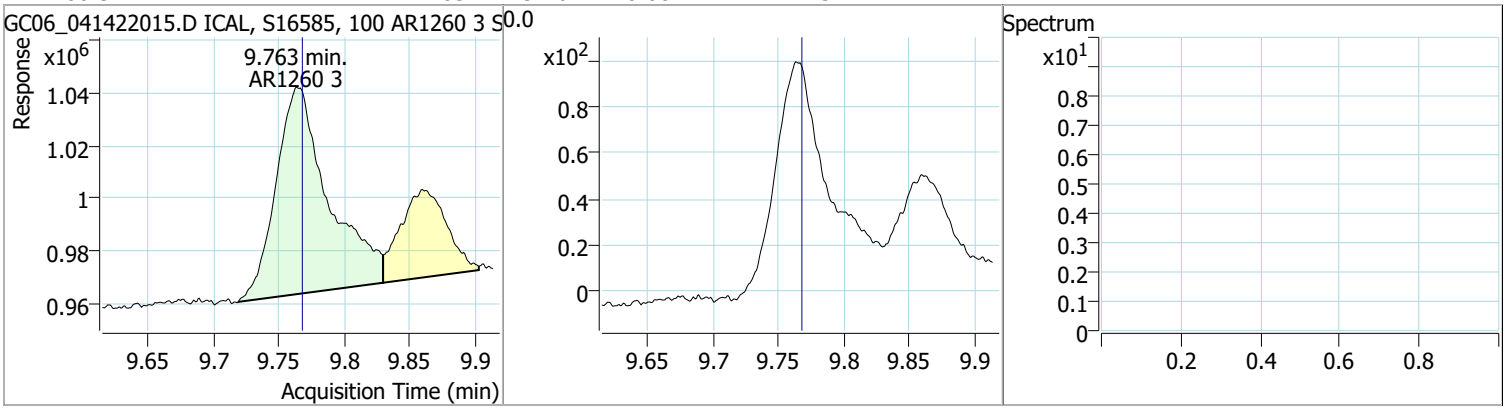
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	26.6108	9.22	0.00	231396			



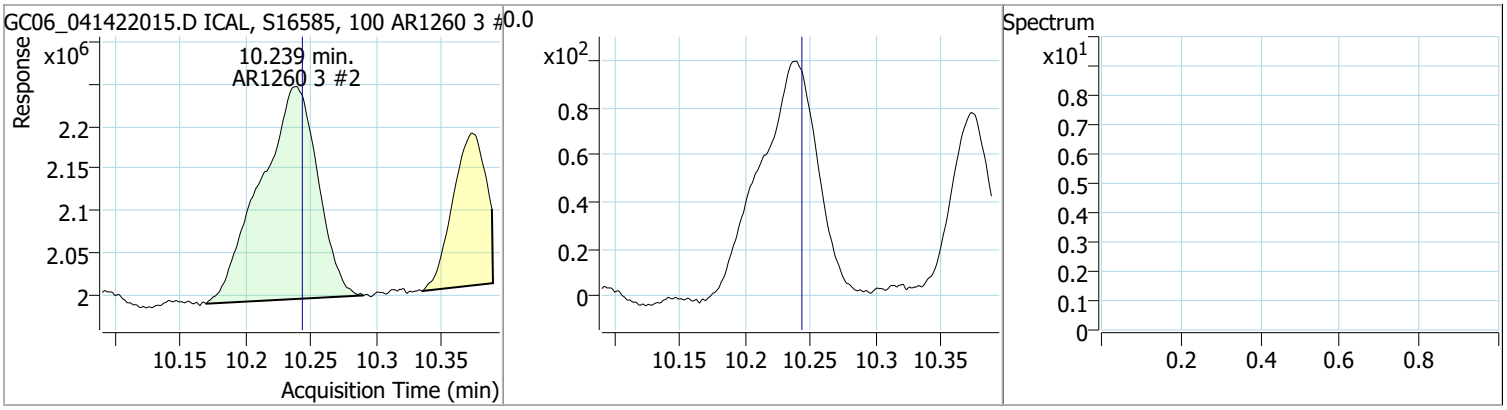
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	26.0948	9.65	0.00	582072			



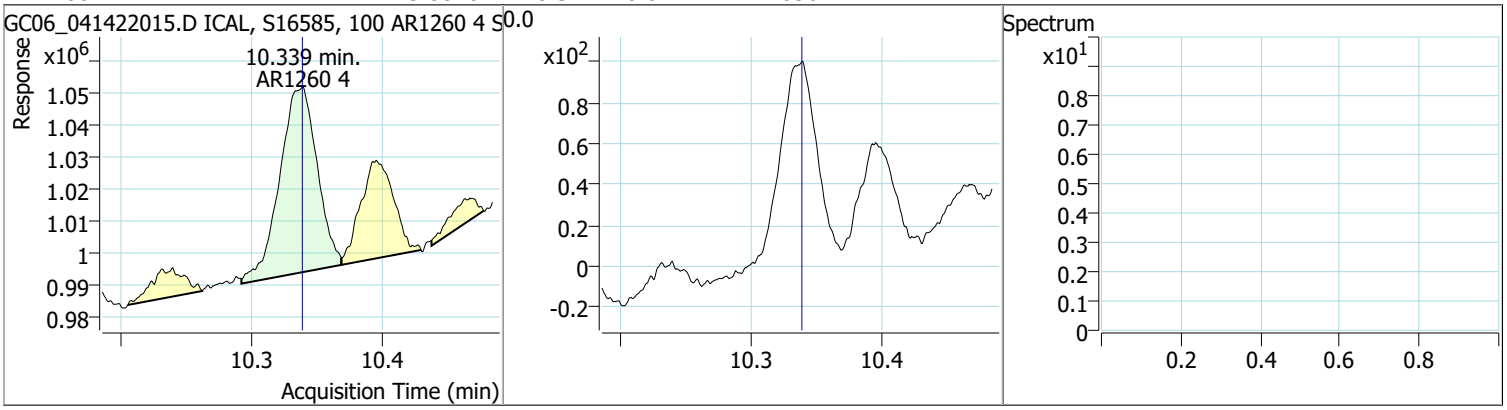
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	24.4637	9.76	0.00	221143			



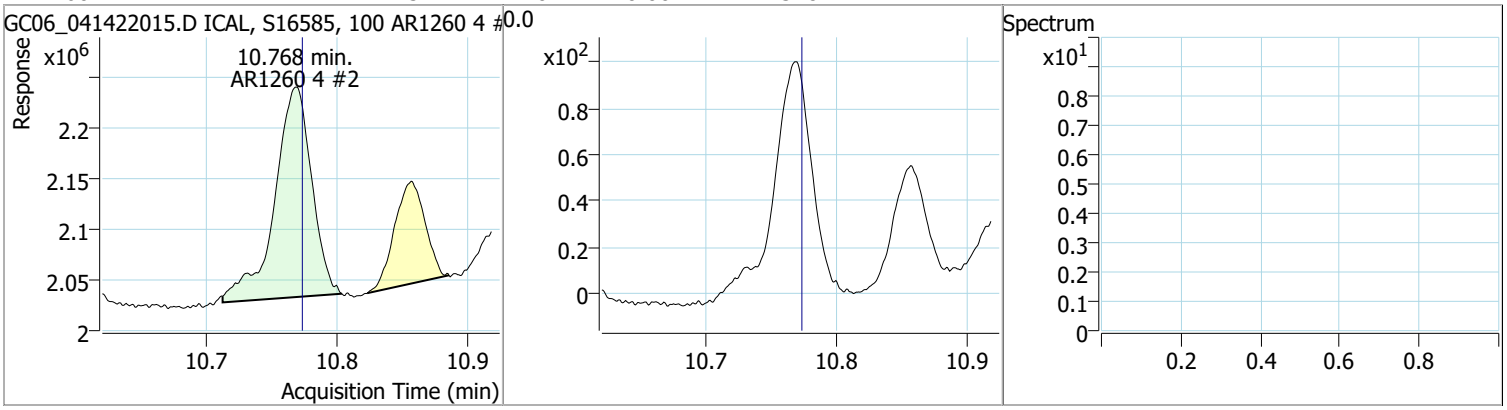
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	25.3537	10.24	0.00	768352			



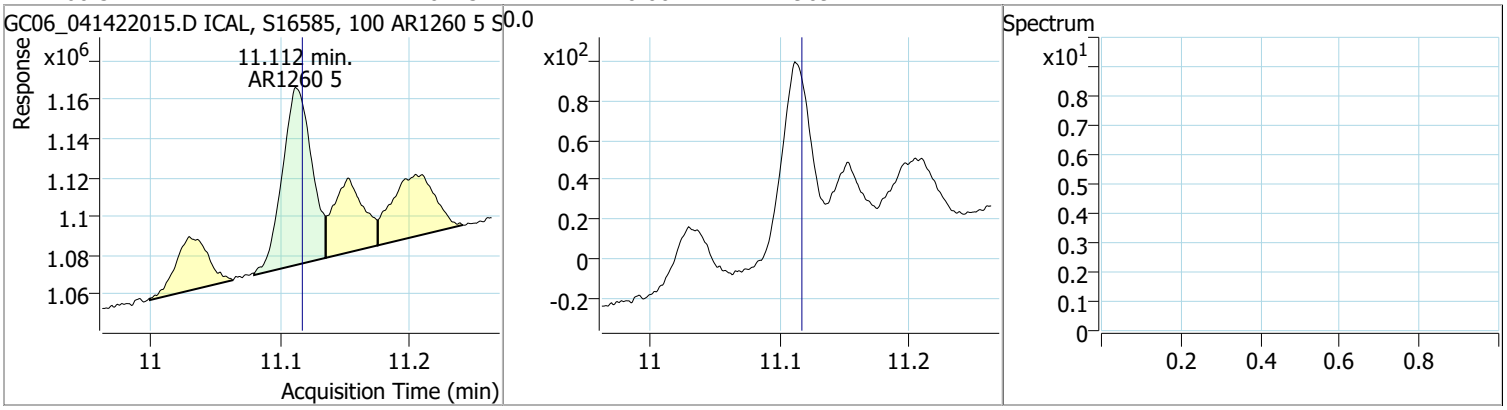
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	25.8840	10.34	0.01	116367			



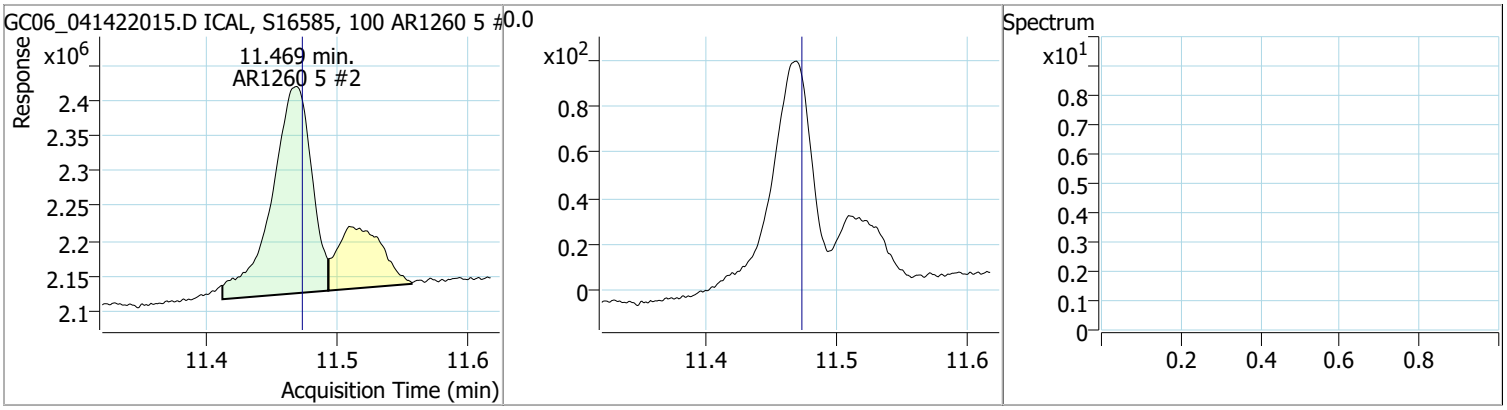
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	25.2144	10.77	0.00	413484			



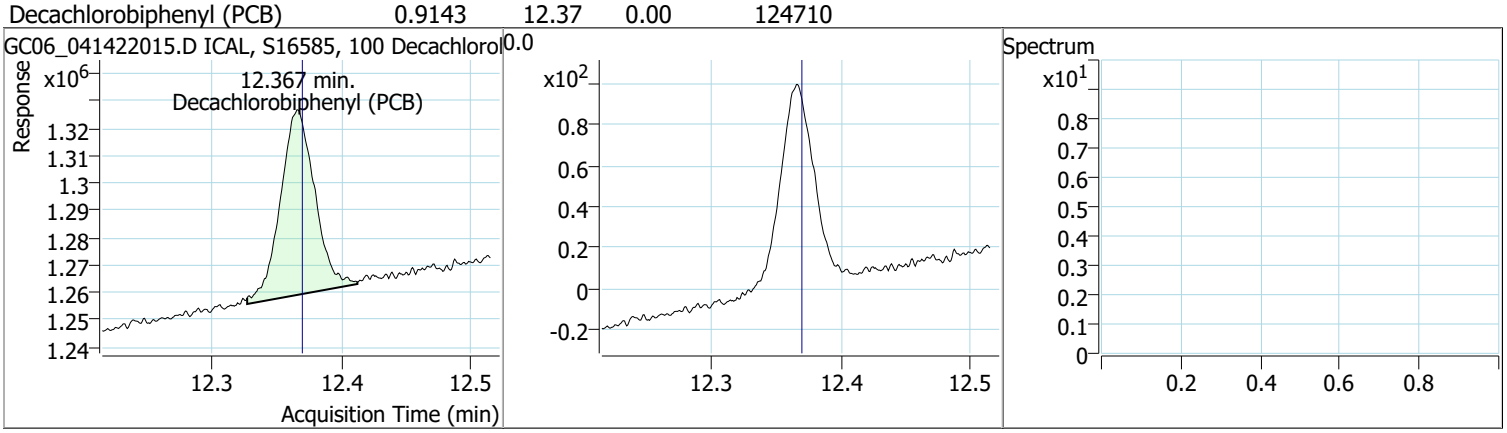
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	24.0175	11.11	0.00	142909			



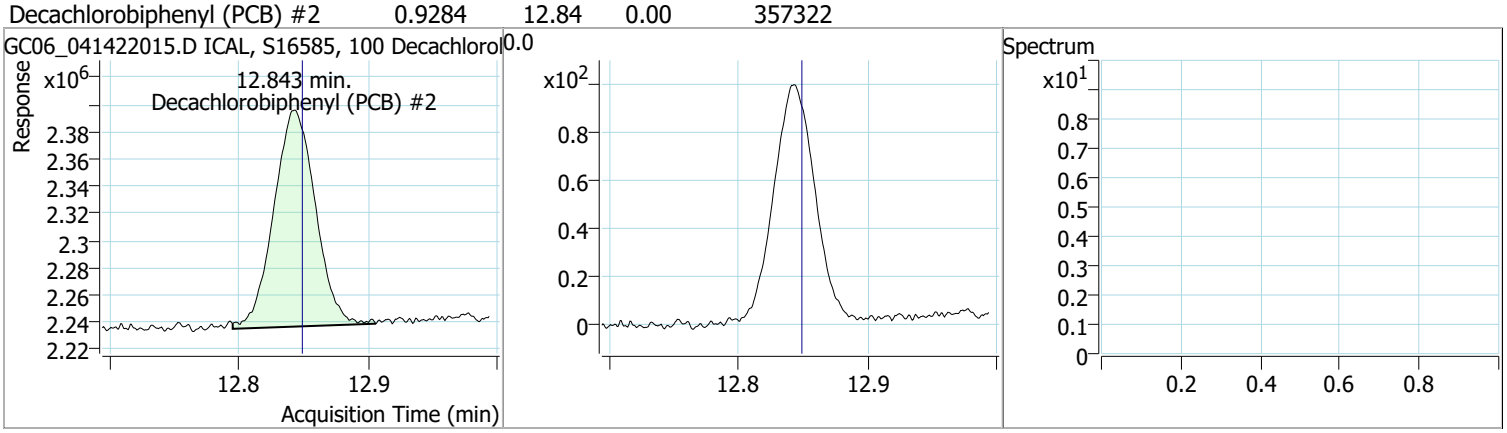
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	26.1482	11.47	0.00	632191			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	0.9143	12.37	0.00	124710			

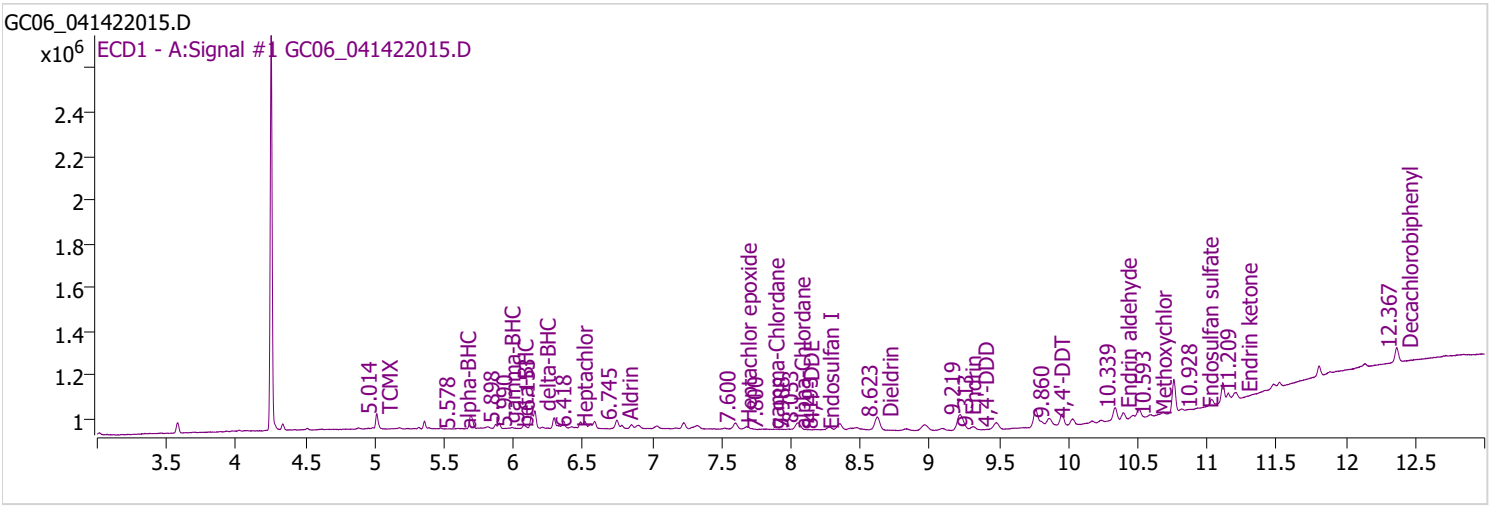


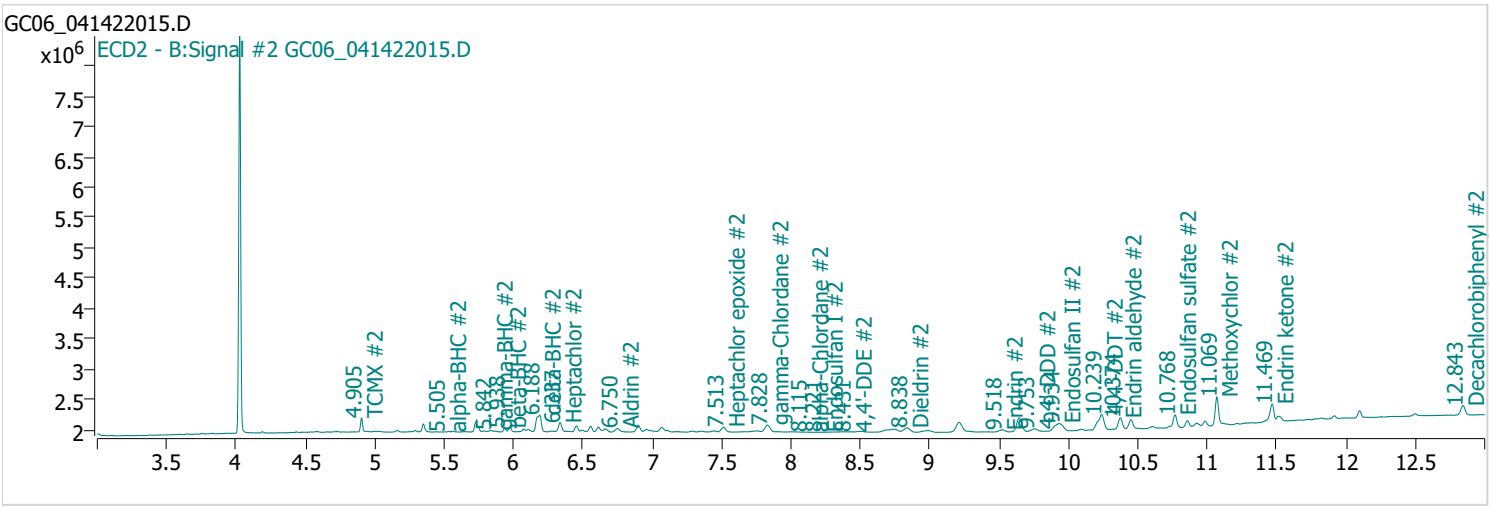
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	0.9284	12.84	0.00	357322			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422015.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 6:41:09 PM
Sample Name	ICAL, S16585, 100	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 111	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 6:55:24 PM



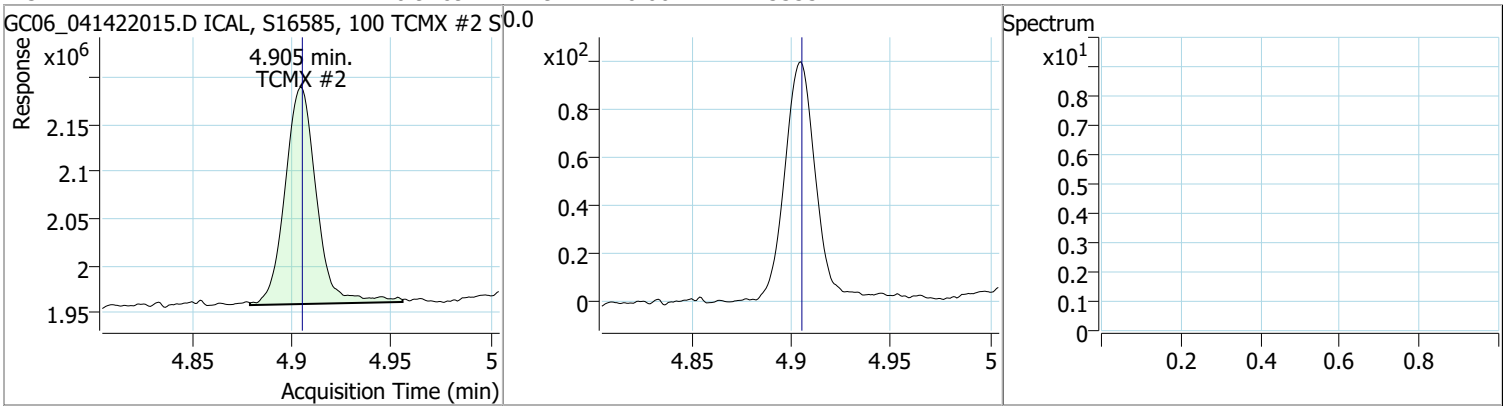


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.253	4.027	1774720	6352383	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.014	4.905	90330	253551	1.099	0.919	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	5.50% *	4.59% *	
S Decachlorobiphenyl	12.367	12.843	123436	345245	1.039	0.981	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	5.19% *	4.91% *	
Target Compounds							
T alpha-BHC	5.578	5.505	553	2637	0.006	0.008 #	ng/ml
T gamma-BHC	5.898	5.842	30350	51202	0.323	0.149 #	ng/ml
T beta-BHC	5.990	5.938	6611	76395	0.139	0.444 #	ng/ml
T delta-BHC	6.153	6.188	94954	669432	0.941	1.636 #	ng/ml
T Heptachlor	6.418	6.337	7750	264858	0.080	0.718 #	ng/ml
T Aldrin	6.745	6.750	65376	127208	0.686	0.353 #	ng/ml
T Heptachlor epoxide	7.600	7.513	54781	165853	0.587	0.506	ng/ml
T gamma-Chlordane	7.800	7.828	2517	258330	0.029	0.741 #	ng/ml
T alpha-Chlordane	7.988	8.115	2641	3581	0.031	0.012 #	ng/ml

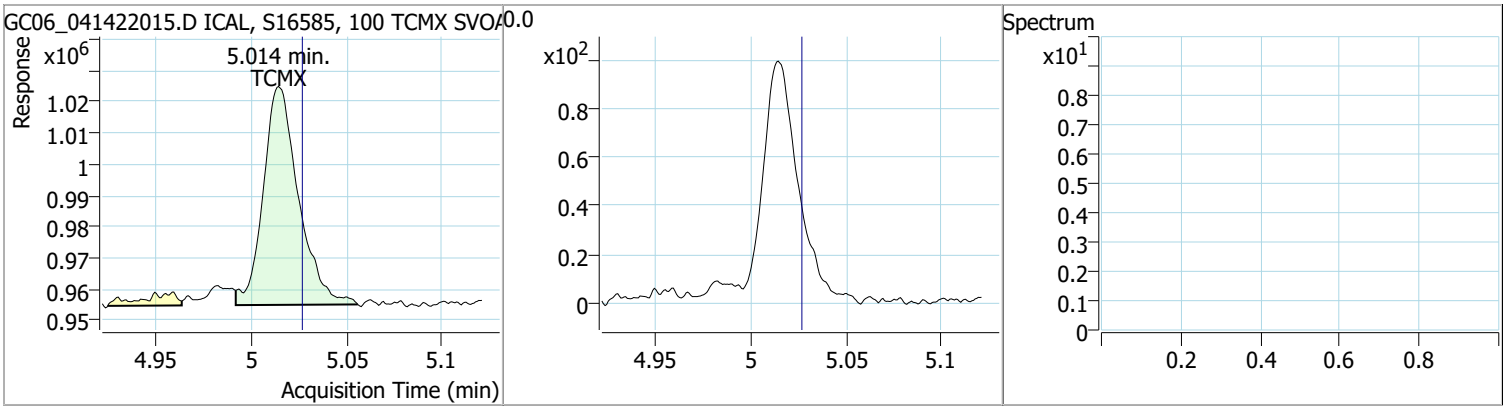
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.193	8.221	1453	1168	0.018	0.004 #	ng/ml
T 4,4'-DDE	8.053	8.431	80424	1178	0.957	0.004 #	ng/ml
T Dieldrin	8.623	8.838	157673	177695	1.679	0.574 #	ng/ml
T Endrin	9.219	9.518	234737	105500	2.650	0.376 #	ng/ml
T 4,4'-DDD	9.313	9.753	24757	119452	0.391	0.480	ng/ml
T Endosulfan II	----	9.934 f	0	542724	N.D.	1.744 #	ng/ml
T 4,4'-DDT	9.860	10.239	77219	762866	0.990	2.406 #	ng/ml
T Endrin aldehyde	10.339	10.374	31868	366941	0.499	1.596 #	ng/ml
T Endosulfan sulfate	10.928	10.768	3135	395804	0.041	1.508 #	ng/ml
T Methoxychlor	10.593	11.069 f	14377	843779	0.298	5.159 #	ng/ml
T Endrin ketone	11.209	11.469 f	48846	729349	0.509	2.166 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

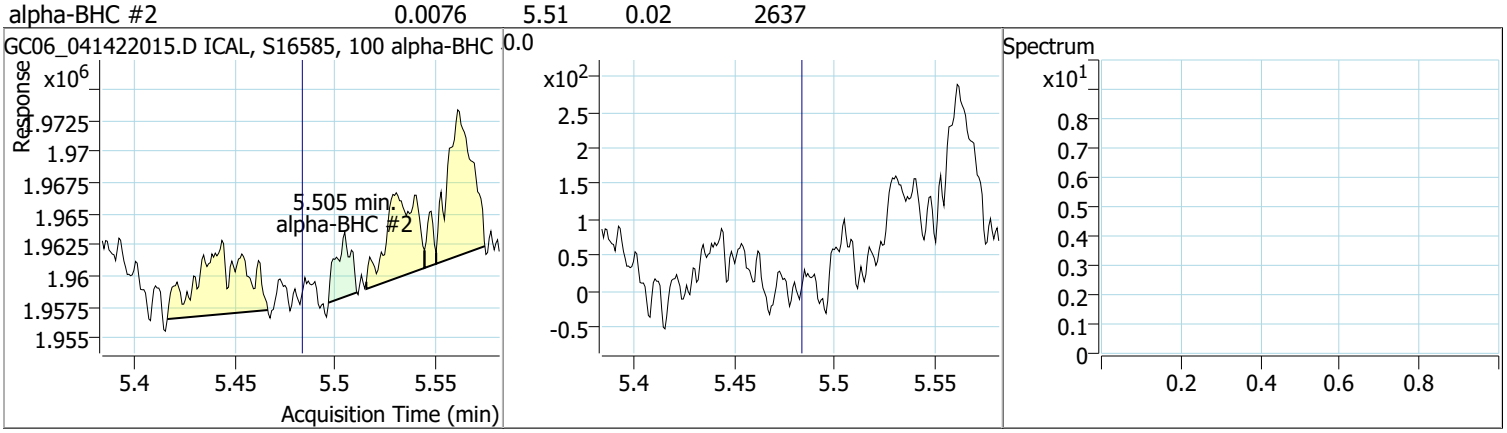
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	0.9189	4.91	0.00	253551			



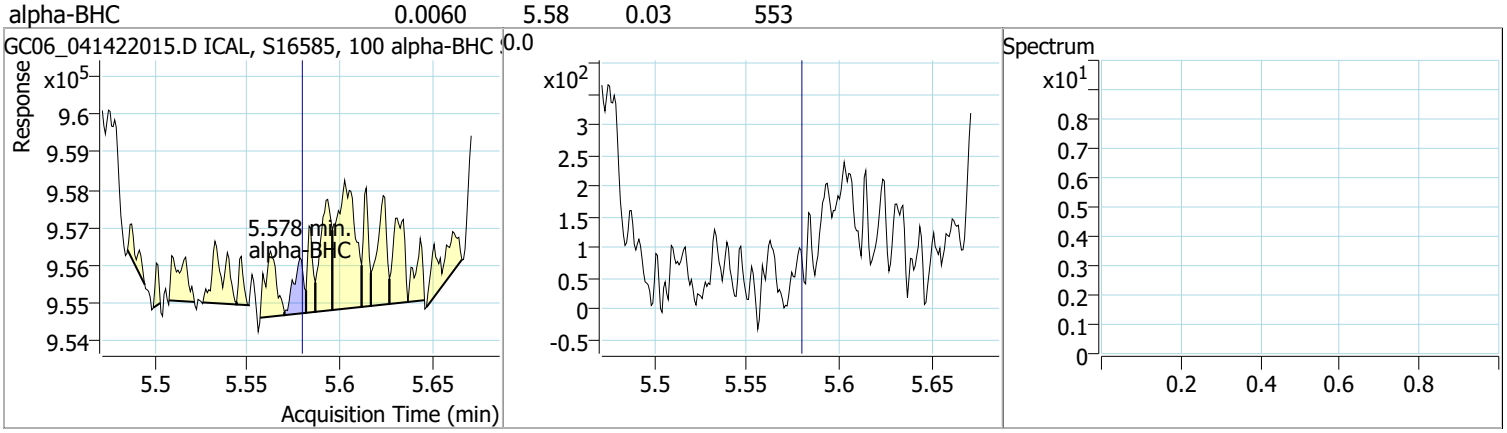
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	1.0990	5.01	0.02	90330			



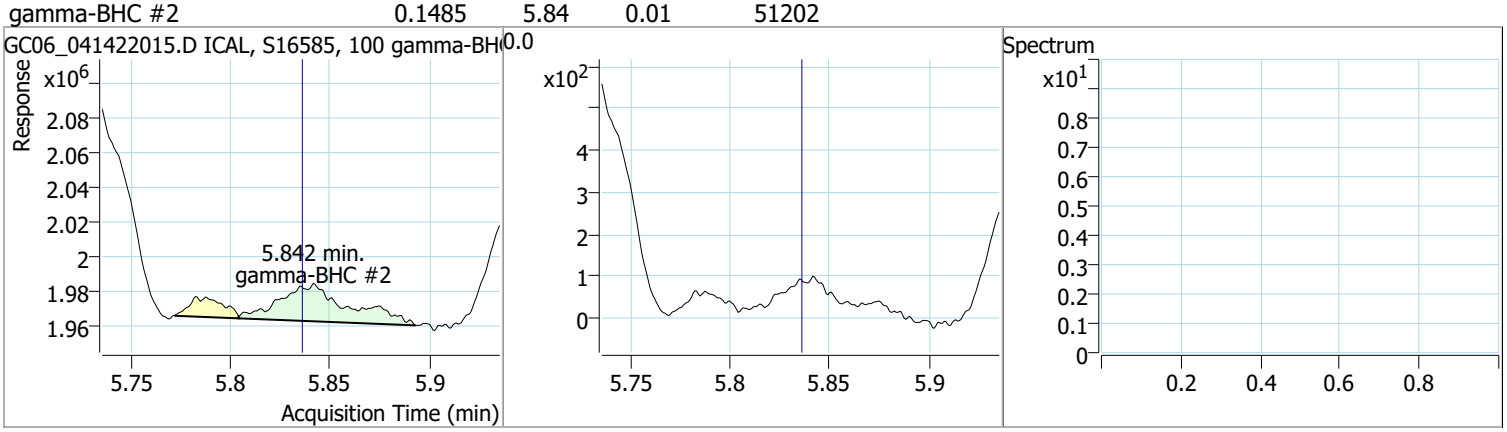
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	0.0076	5.51	0.02	2637			



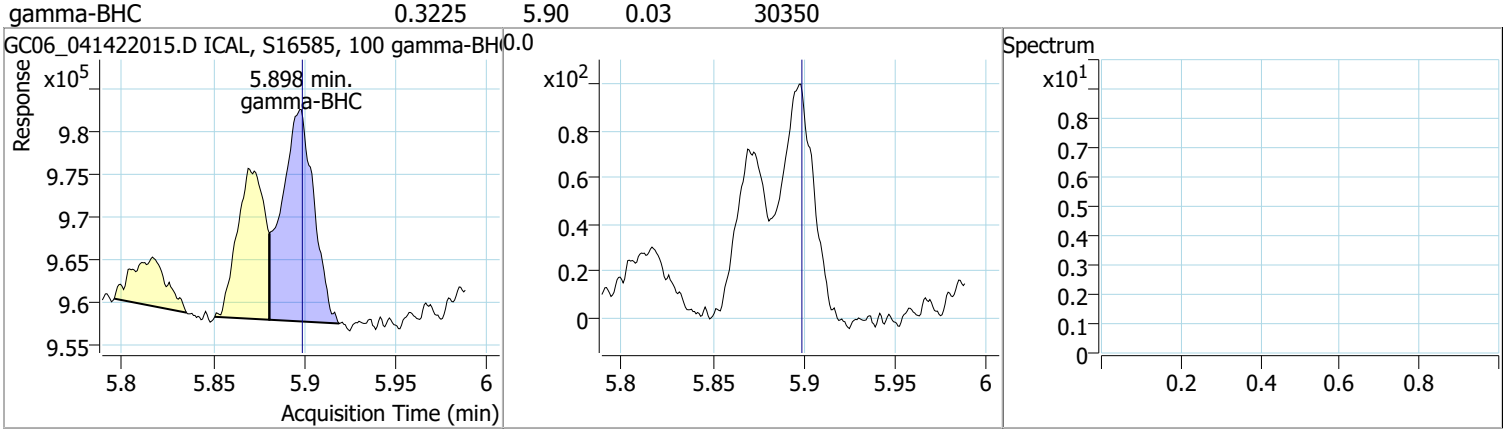
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC	0.0060	5.58	0.03	553			



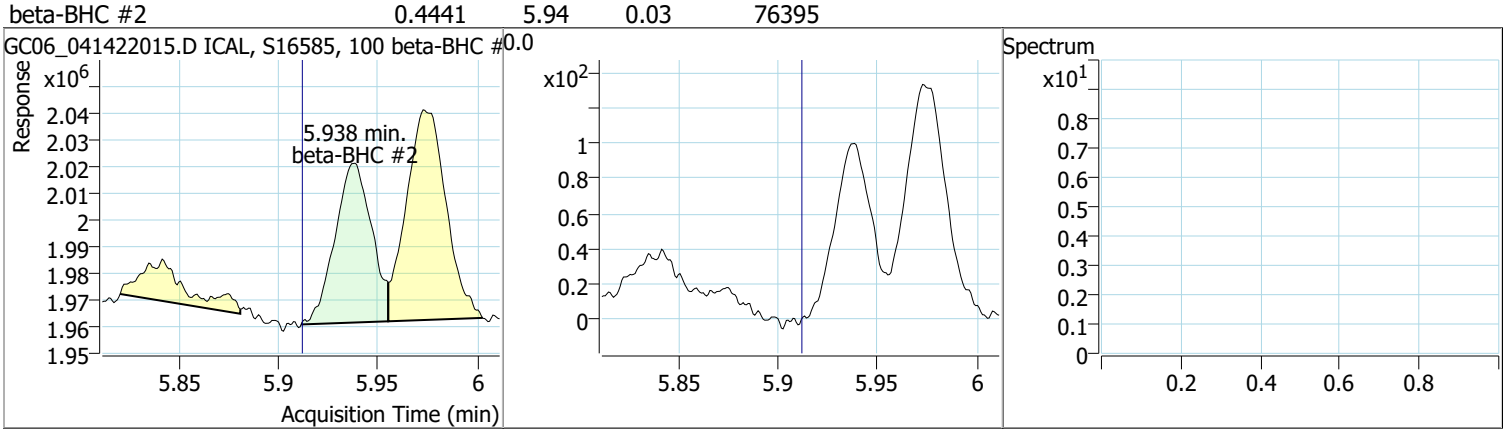
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	0.1485	5.84	0.01	51202			



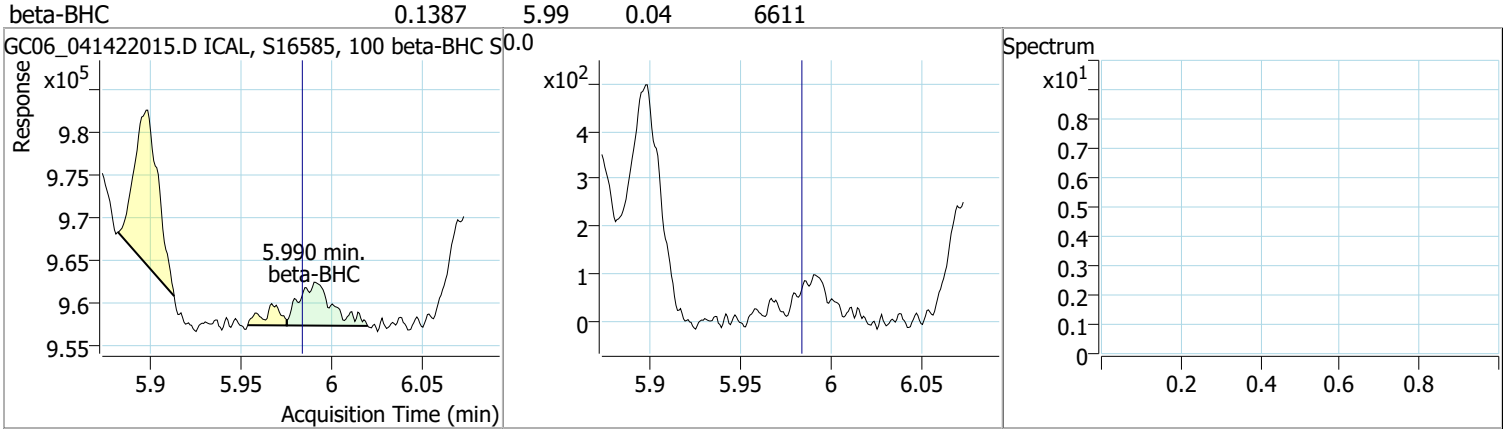
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	0.3225	5.90	0.03	30350			



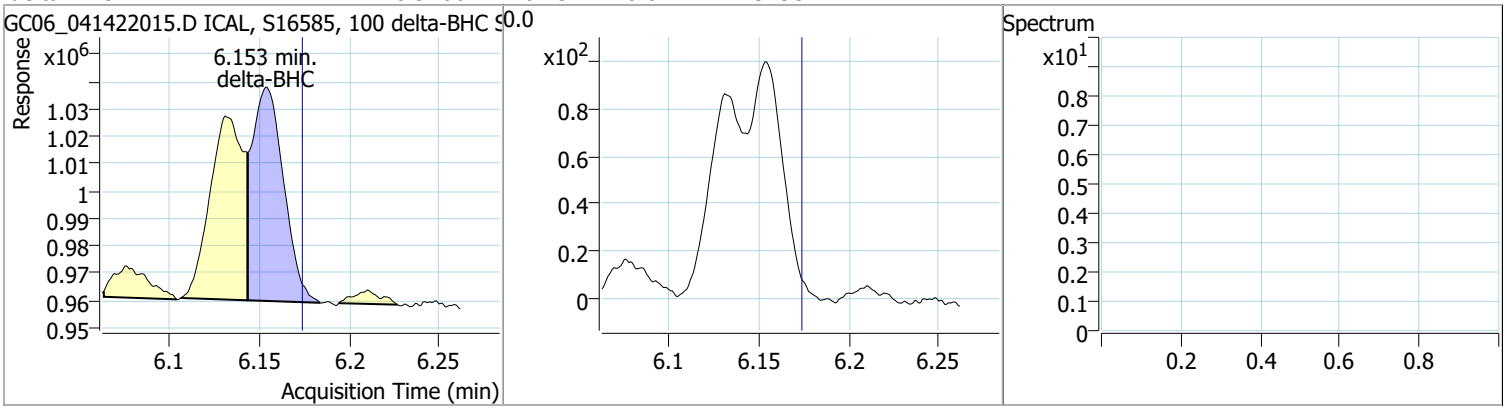
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	0.4441	5.94	0.03	76395			



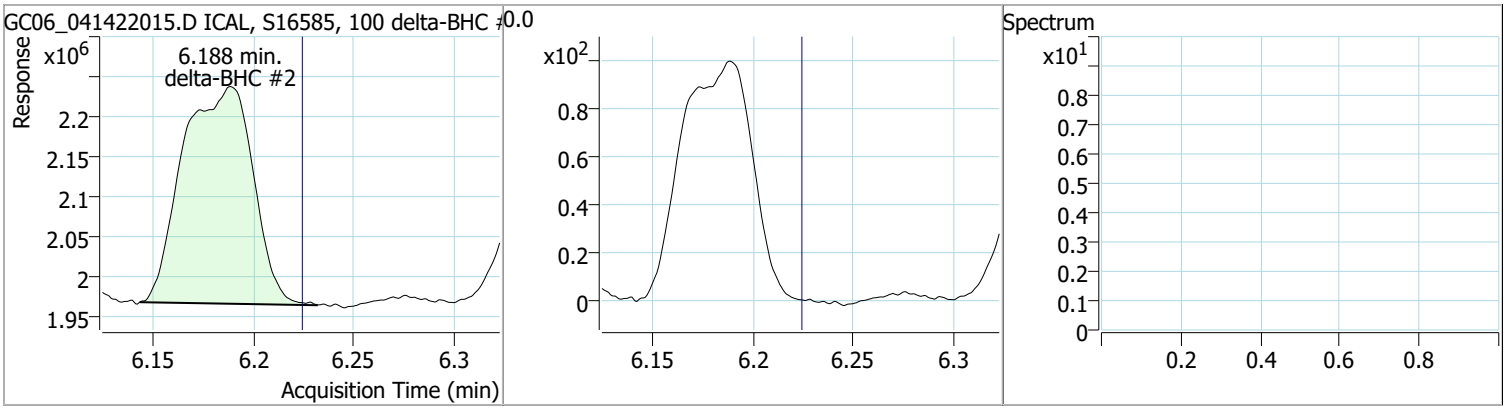
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	0.1387	5.99	0.04	6611			



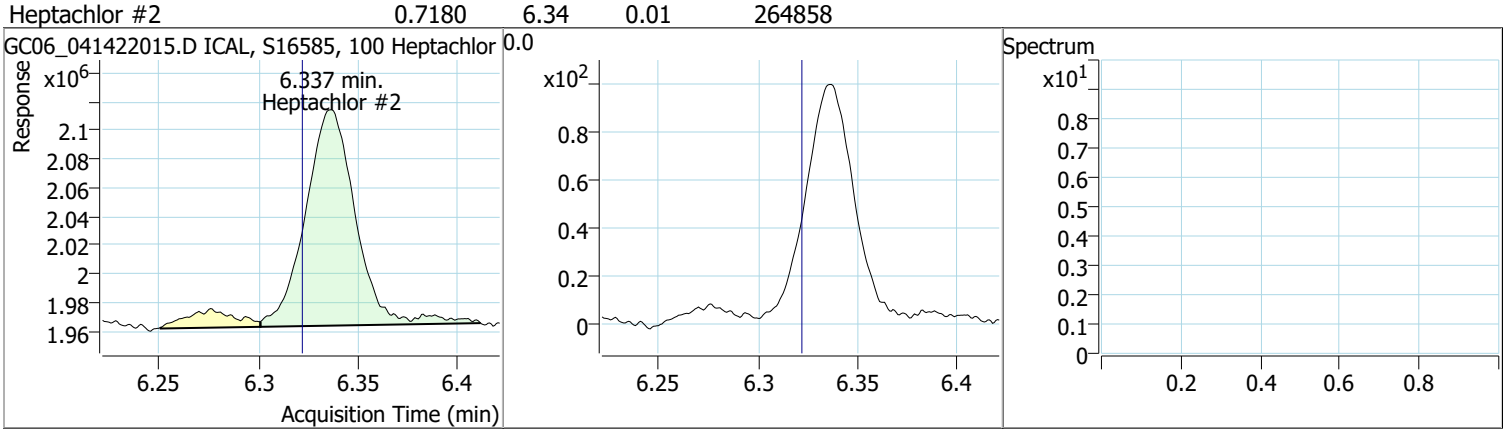
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	0.9406	6.15	0.01	94954			



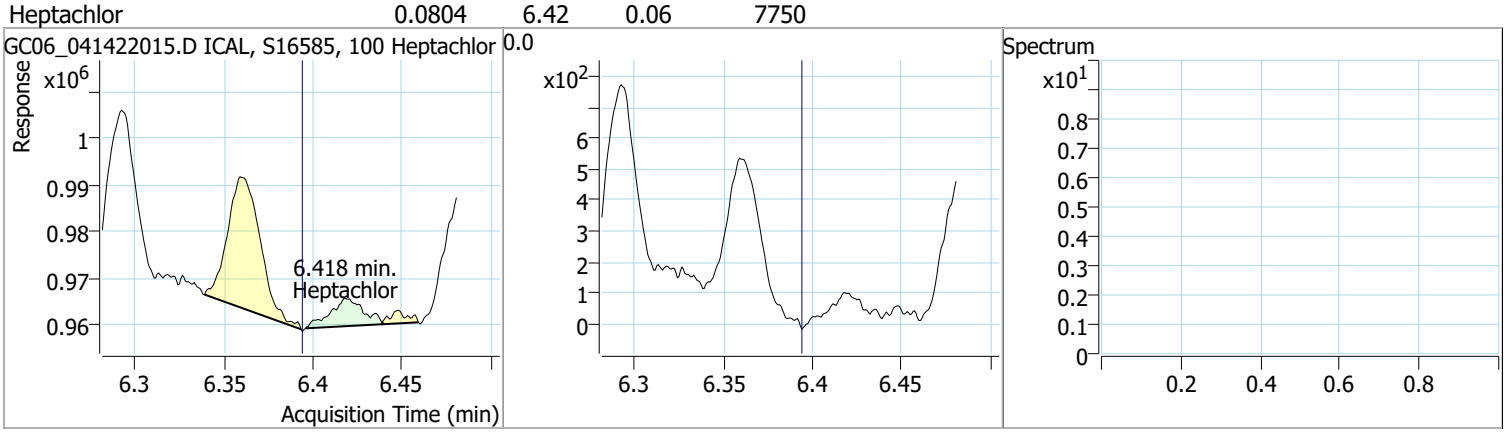
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	1.6364	6.19	-0.04	669432			



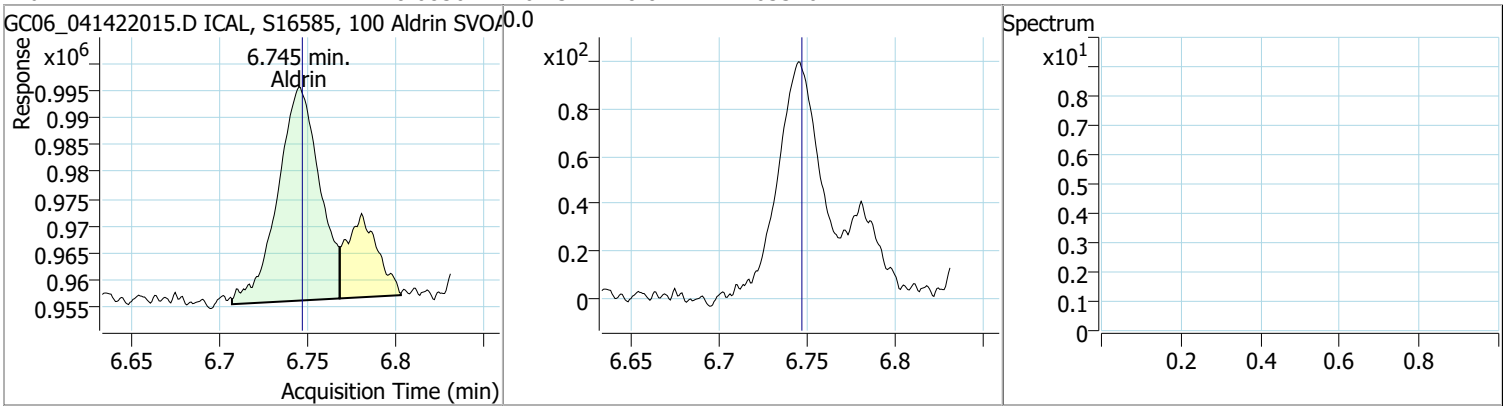
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	0.7180	6.34	0.01	264858			



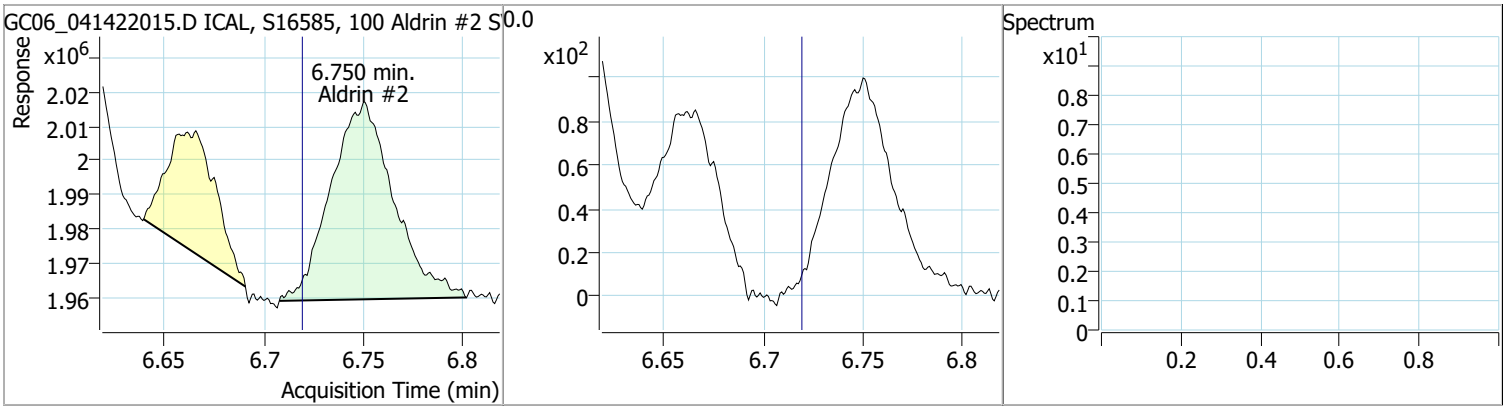
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	0.0804	6.42	0.06	7750			



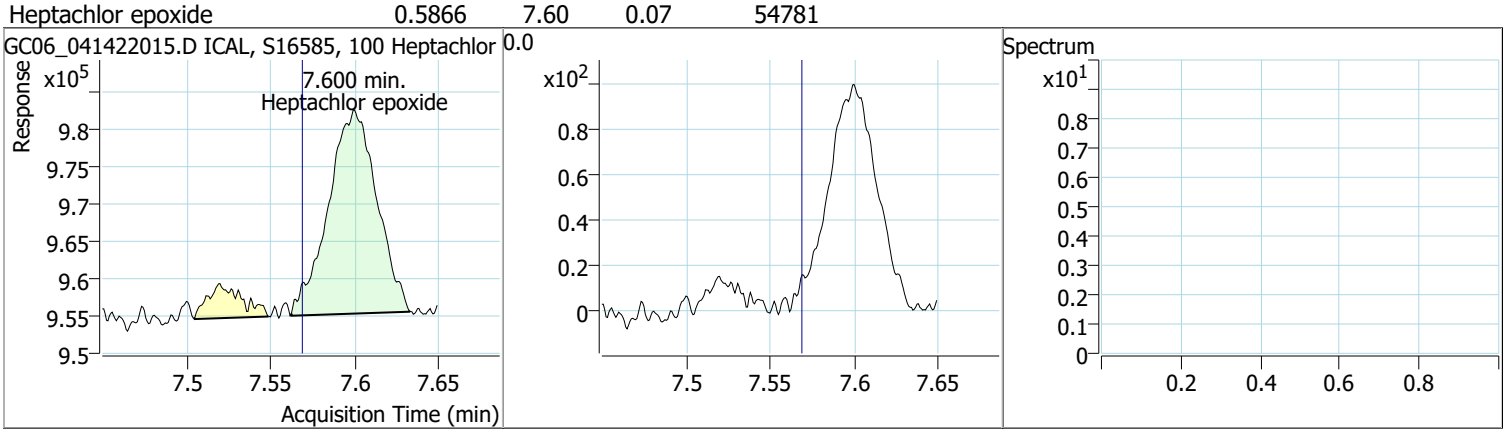
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	0.6856	6.75	0.04	65376			



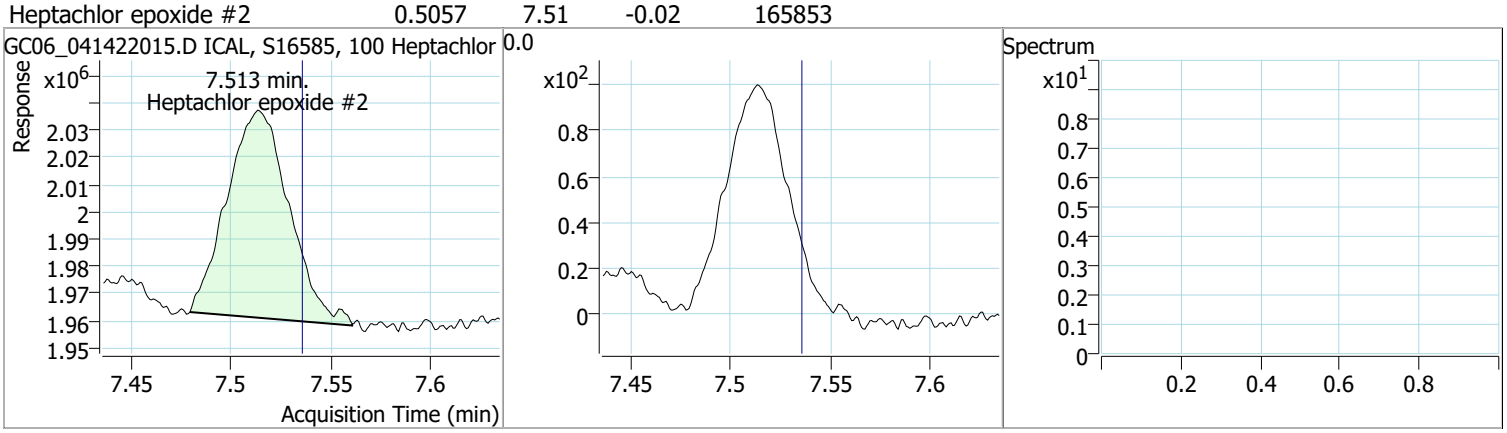
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	0.3529	6.75	0.03	127208			



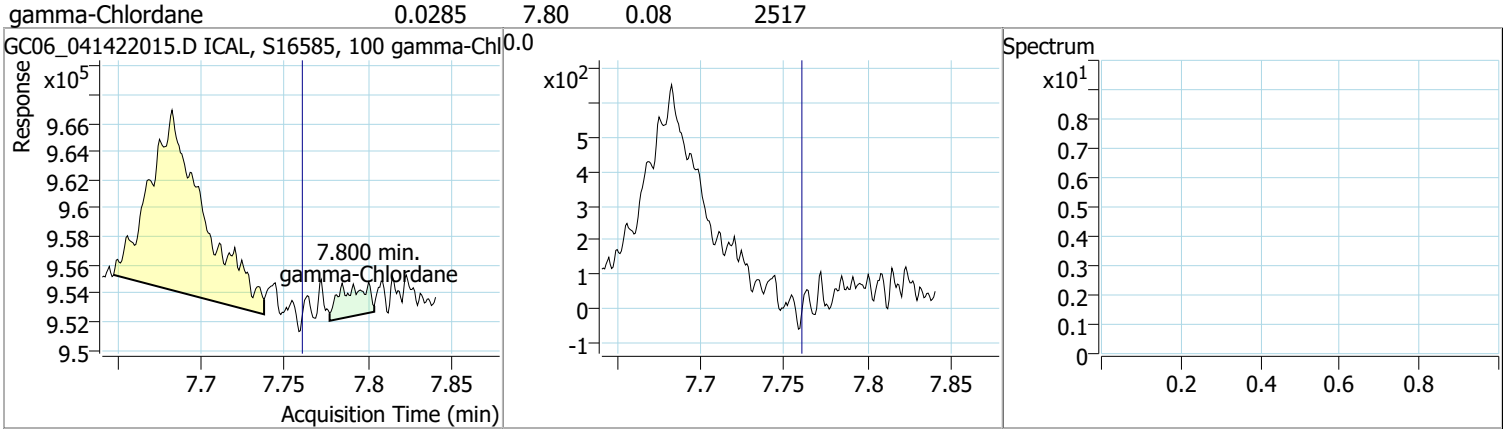
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	0.5866	7.60	0.07	54781			



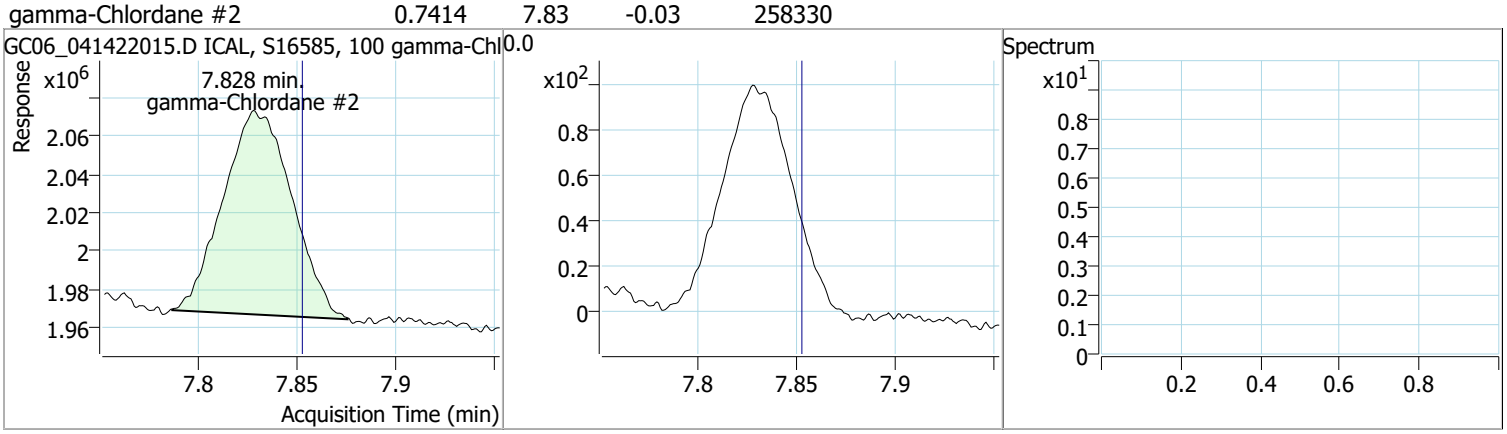
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	0.5057	7.51	-0.02	165853			



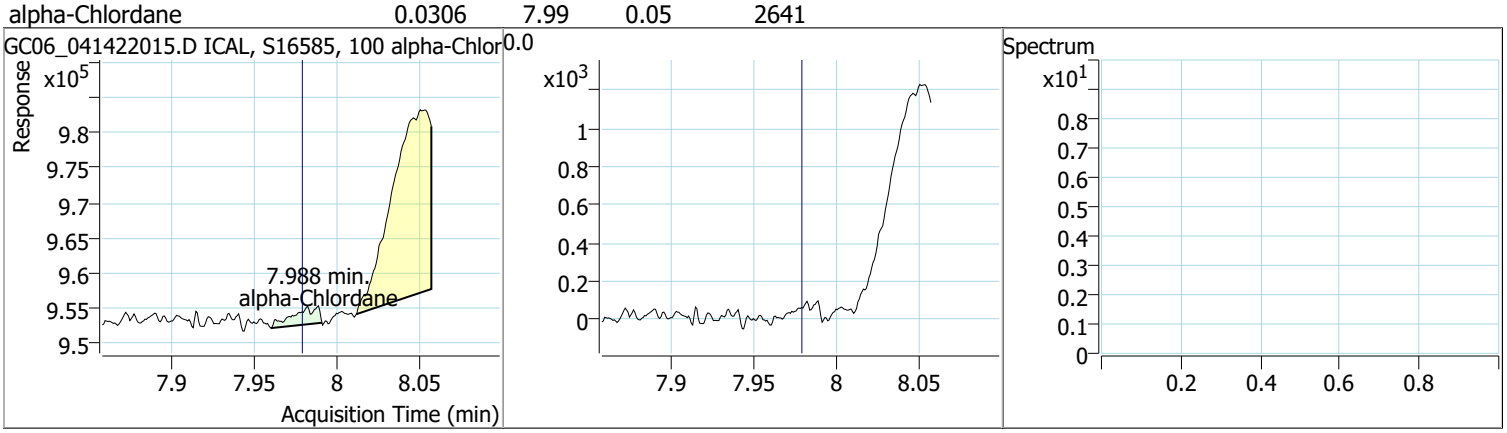
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.0285	7.80	0.08	2517			



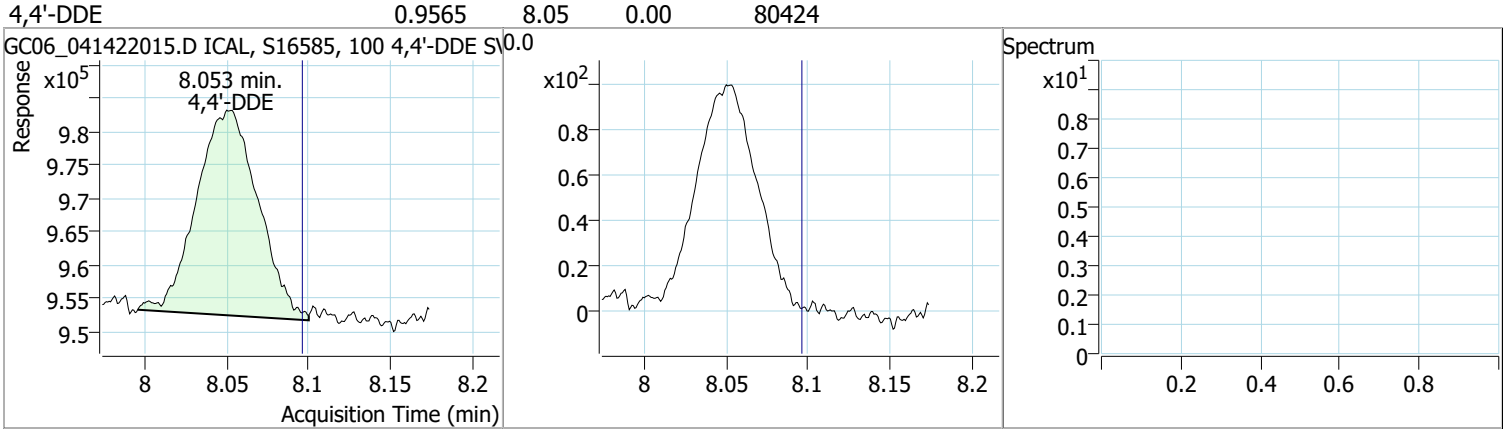
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	0.7414	7.83	-0.03	258330			



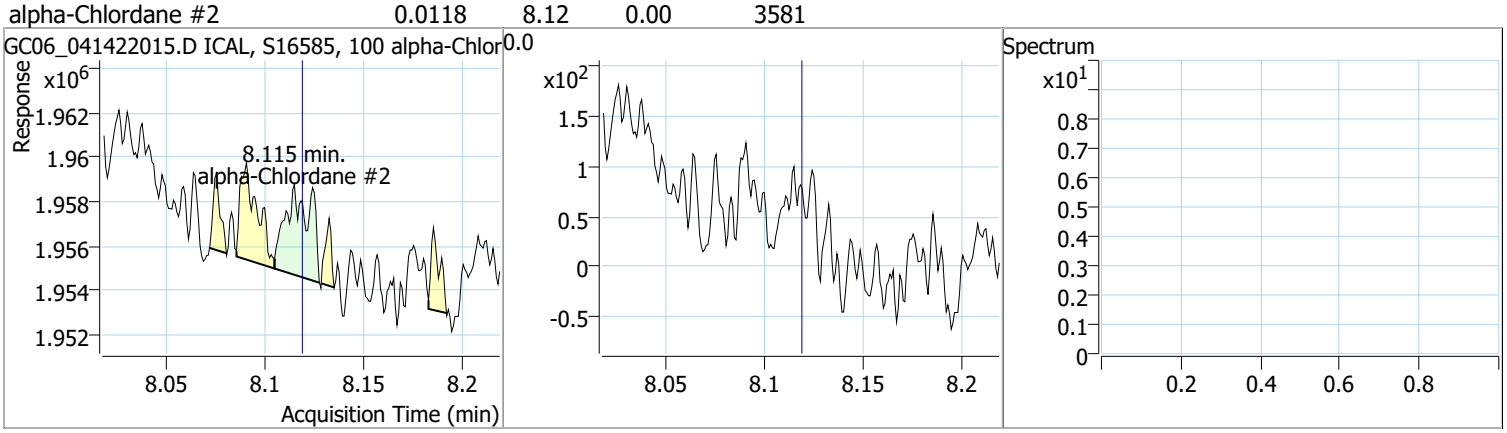
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	0.0306	7.99	0.05	2641			



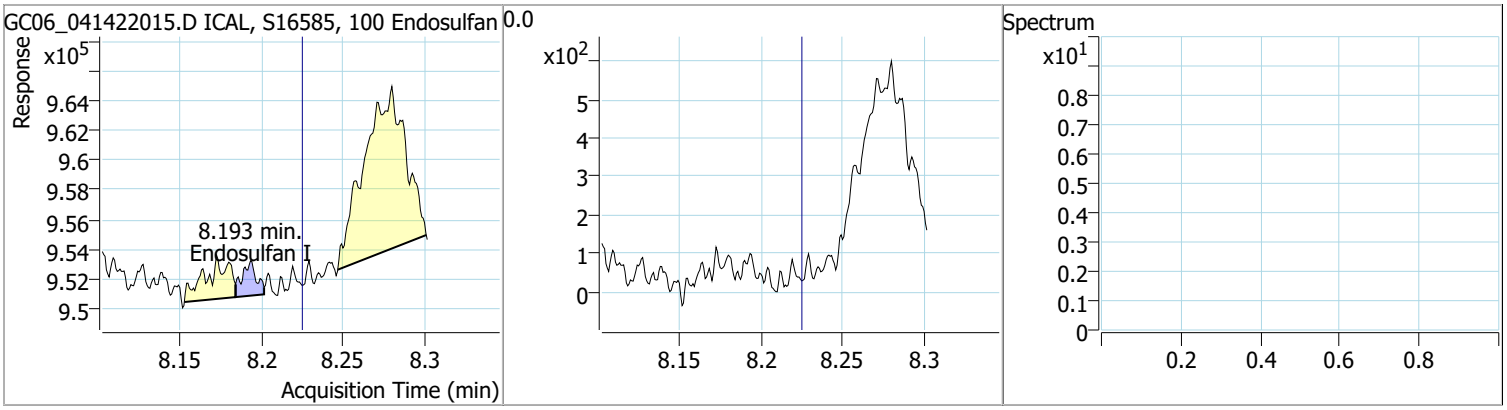
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	0.9565	8.05	0.00	80424			



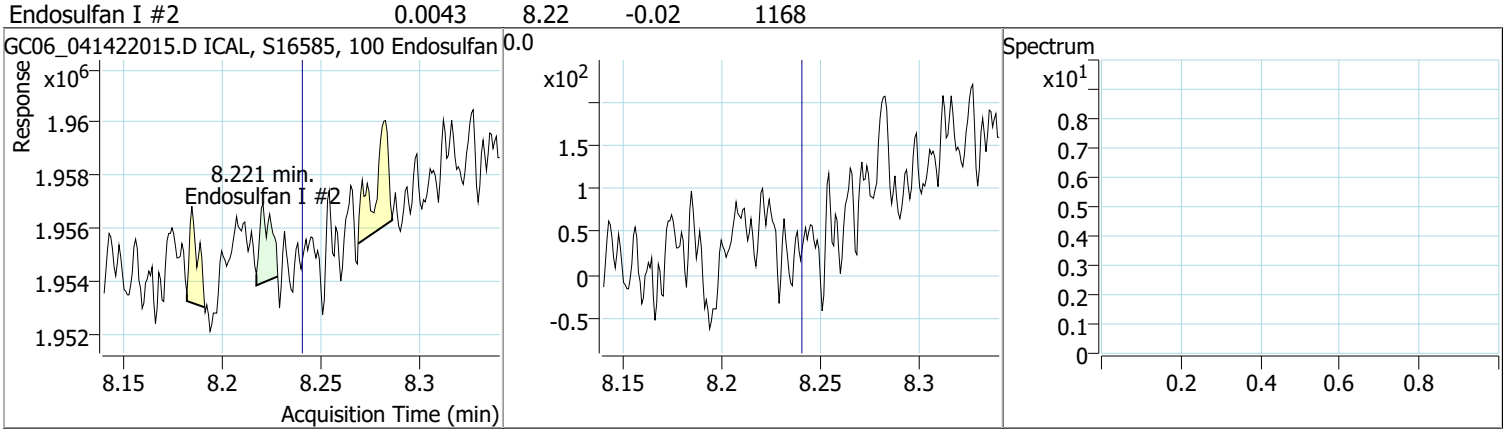
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane #2	0.0118	8.12	0.00	3581			



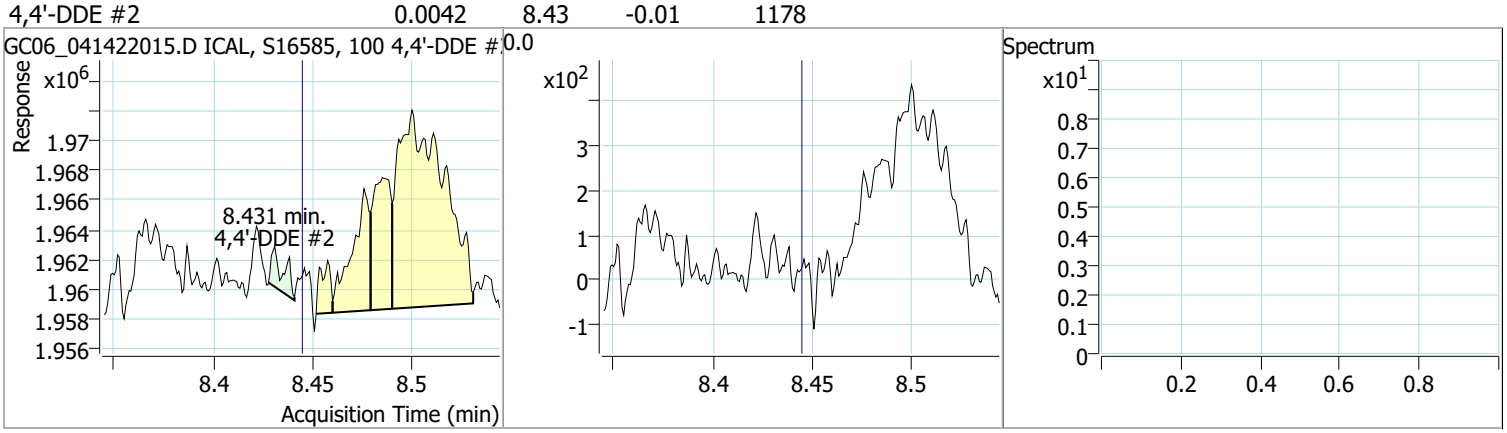
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	0.0184	8.19	0.01	1453			



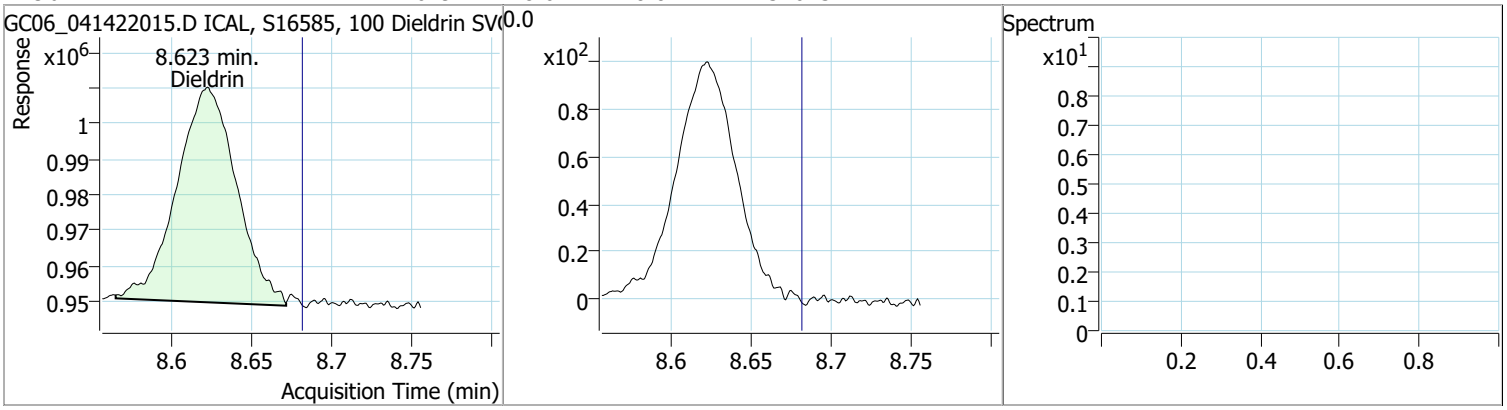
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I #2	0.0043	8.22	-0.02	1168			



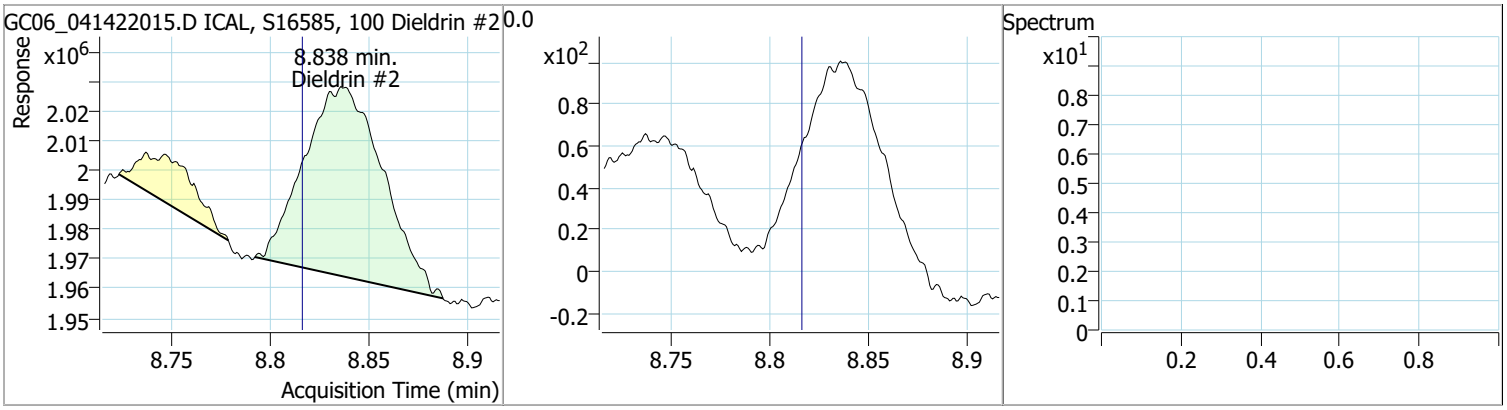
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	0.0042	8.43	-0.01	1178			



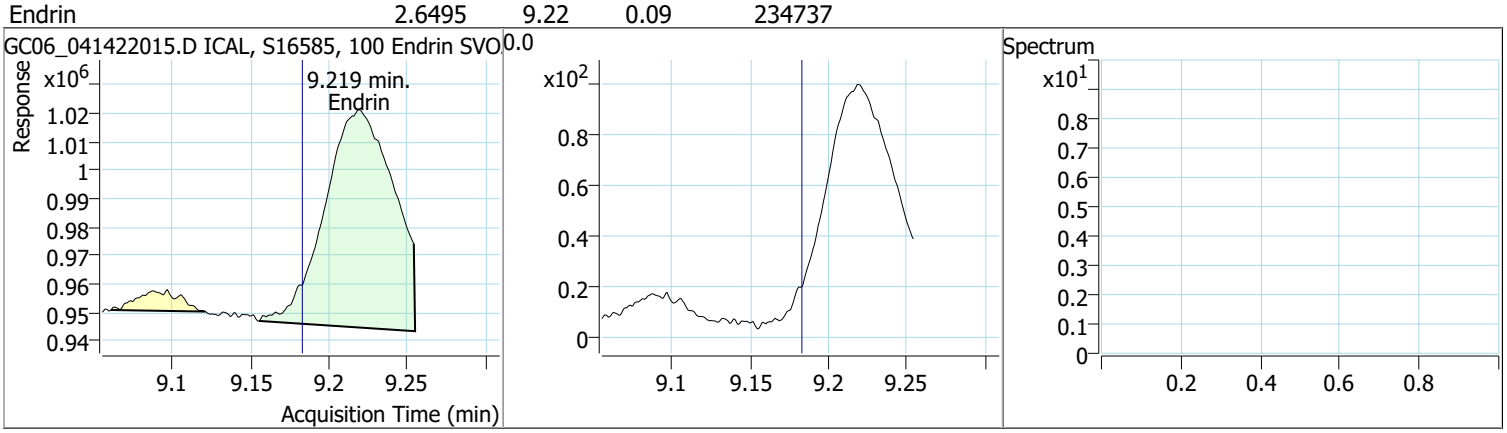
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin	1.6791	8.62	-0.01	157673			



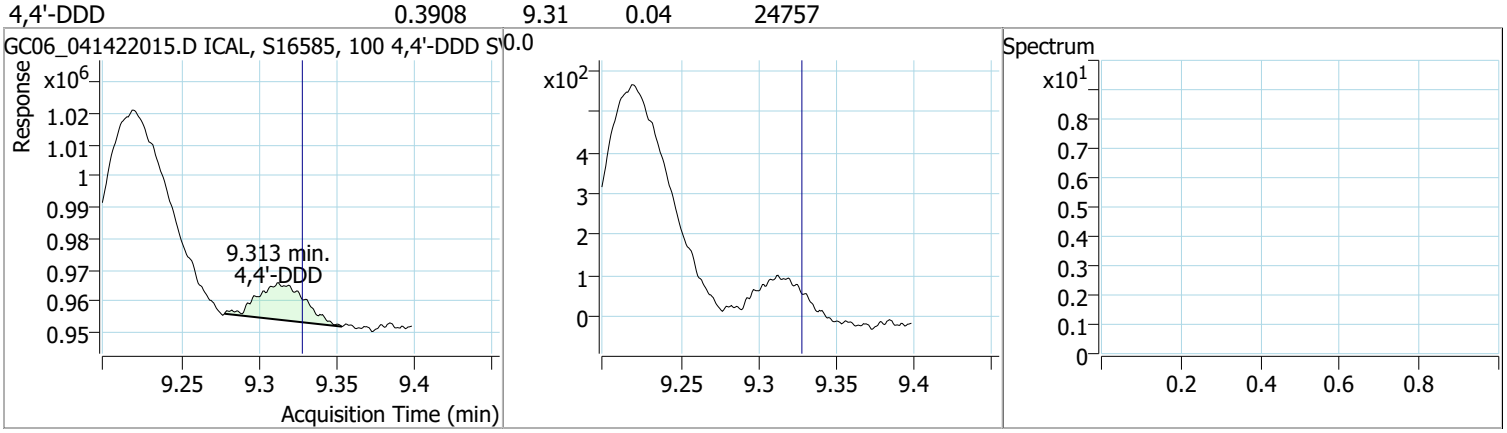
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	0.5745	8.84	0.02	177695			



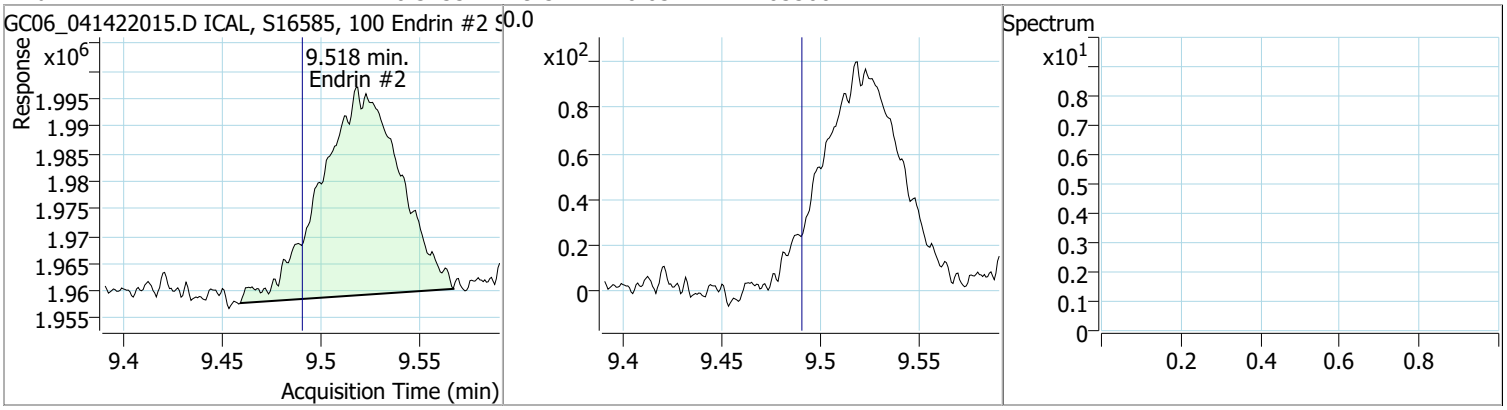
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin	2.6495	9.22	0.09	234737			



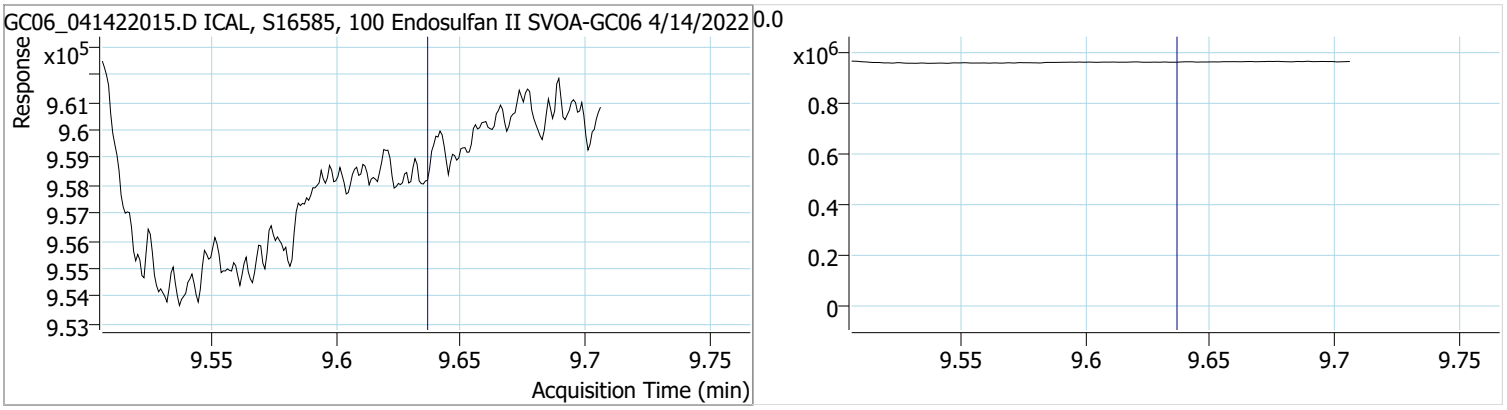
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	0.3908	9.31	0.04	24757			



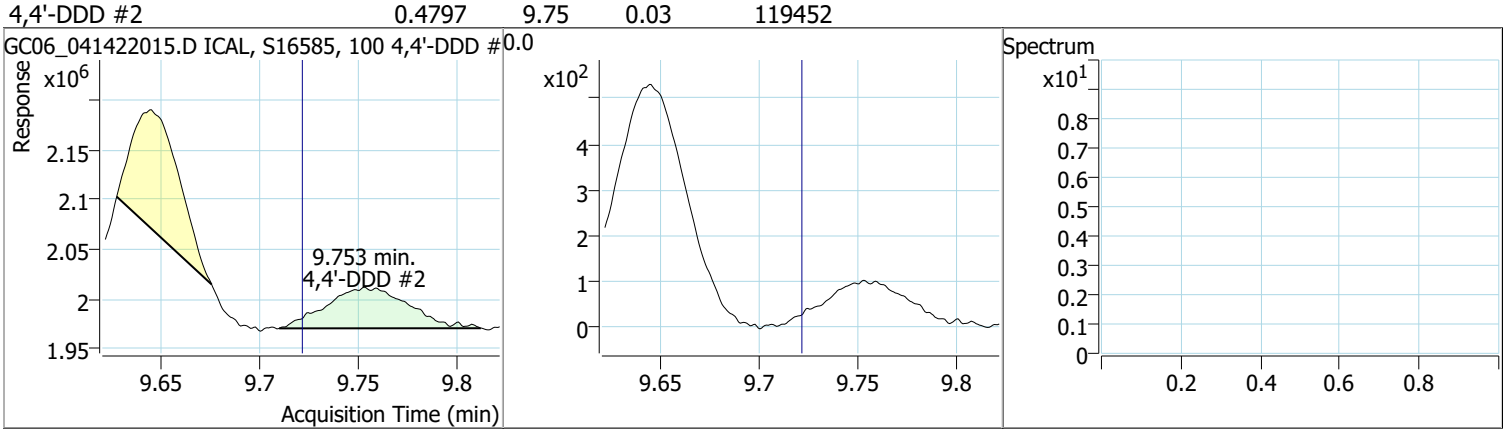
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endrin #2	0.3755	9.52	0.03	105500		



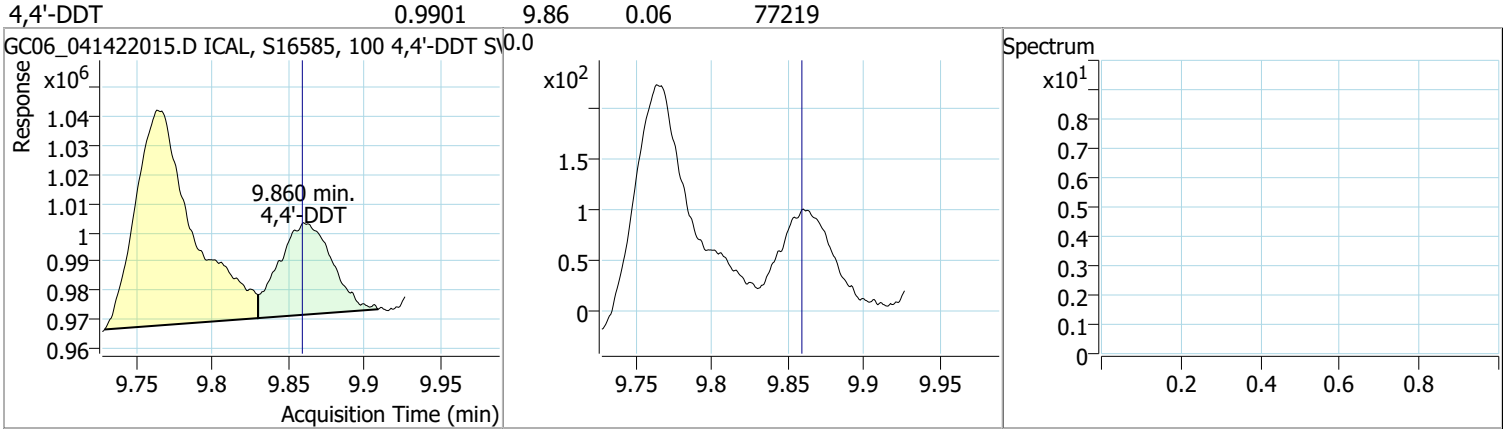
Compound	Conc.		Exp Ratio
Endosulfan II	N.D.	9.58	



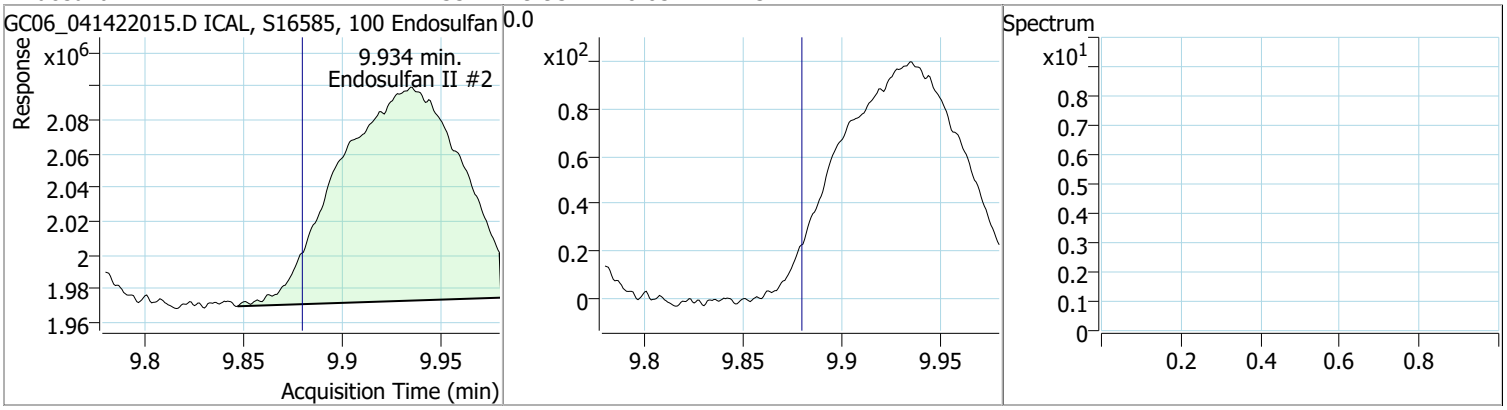
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	0.4797	9.75	0.03	119452		



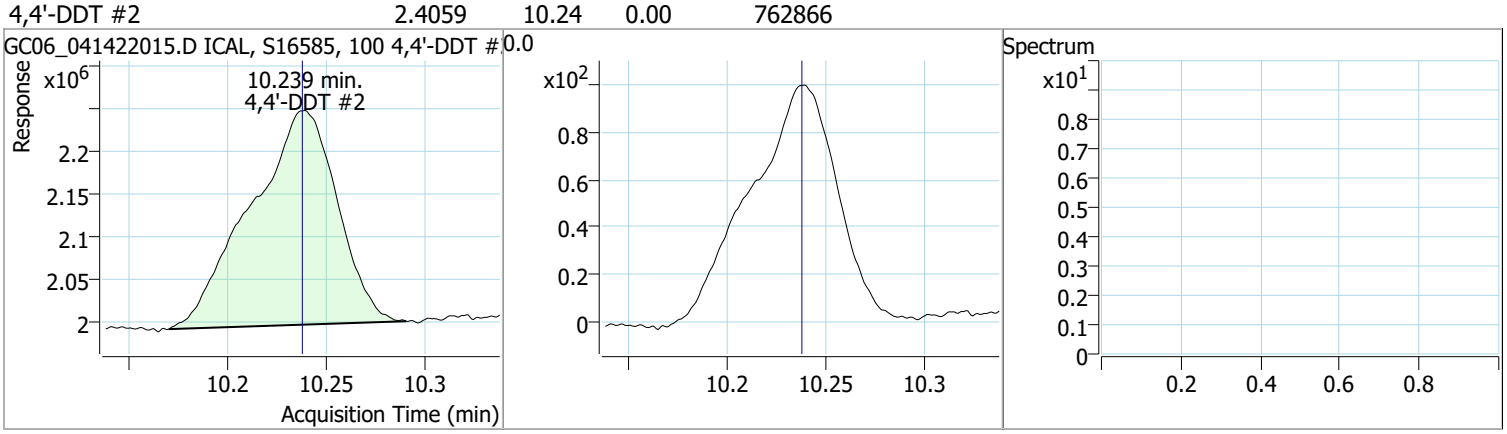
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	0.9901	9.86	0.06	77219		



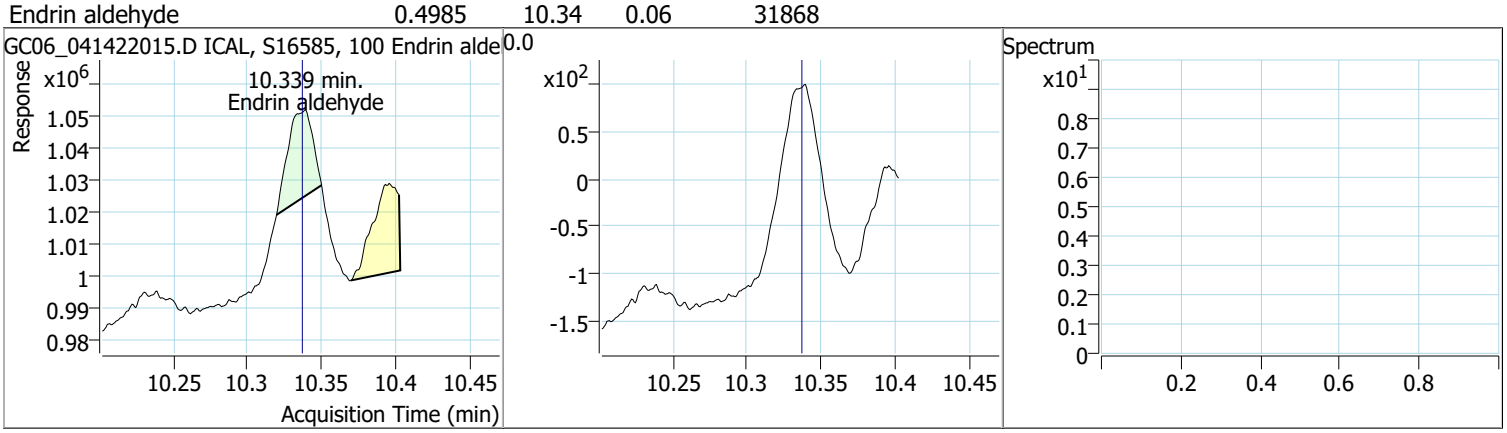
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	1.7435	9.93	0.05	542724			



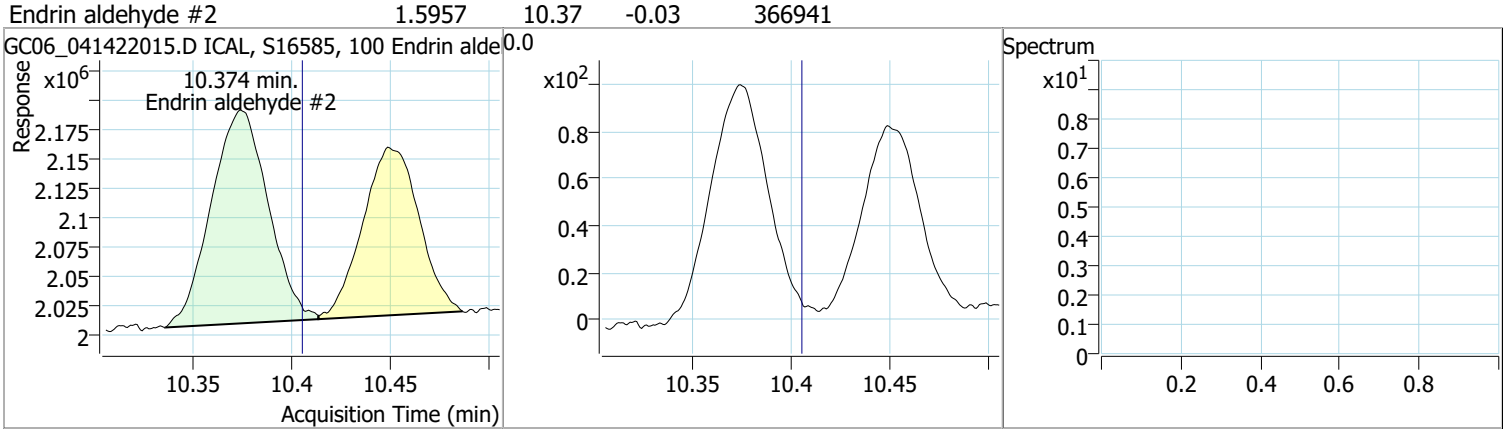
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	2.4059	10.24	0.00	762866			



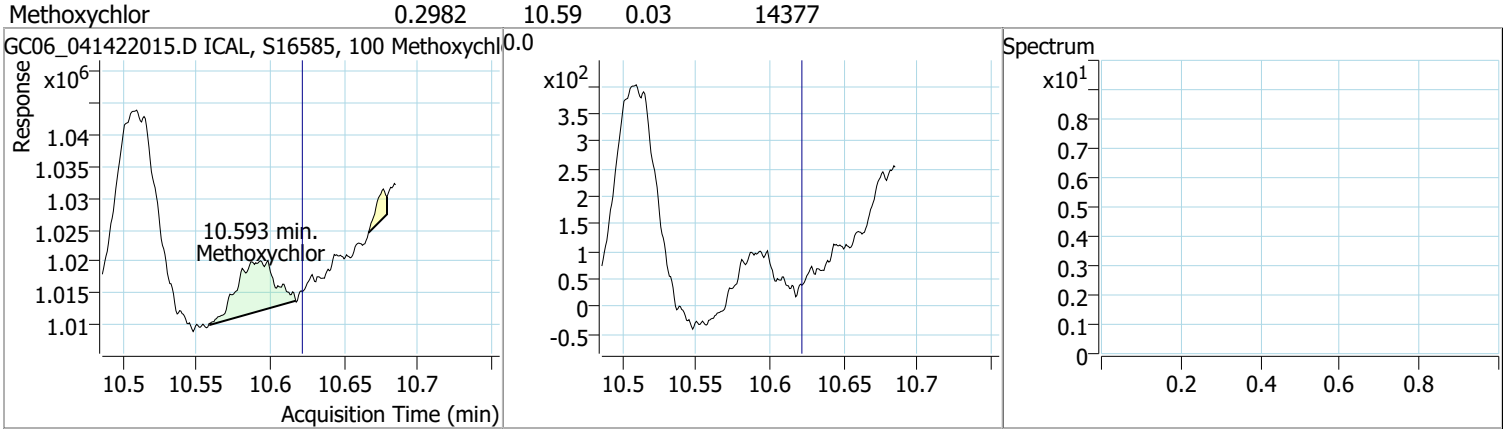
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	0.4985	10.34	0.06	31868			



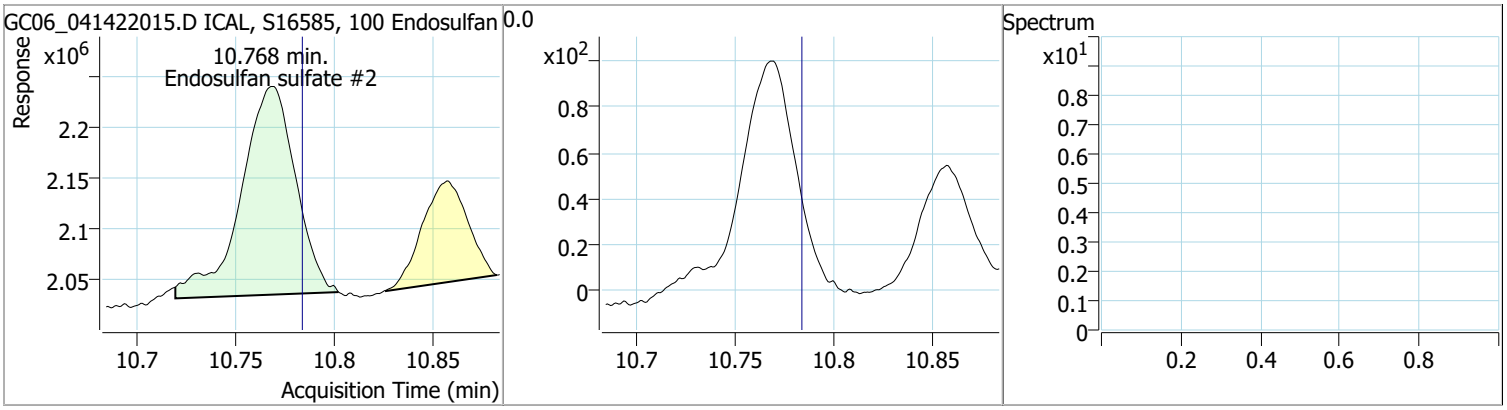
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	1.5957	10.37	-0.03	366941			



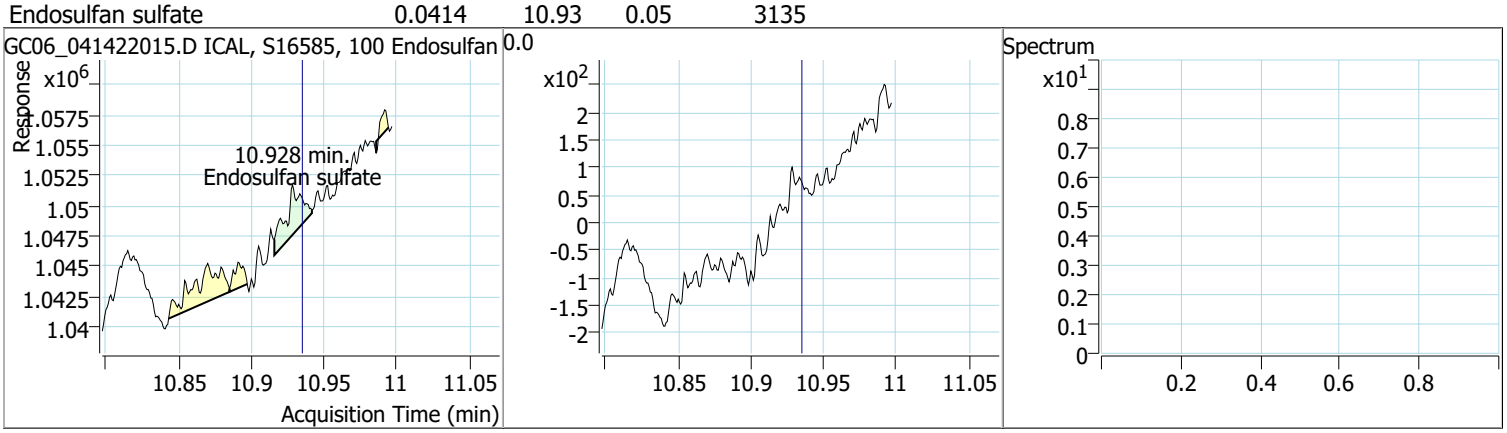
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	0.2982	10.59	0.03	14377			



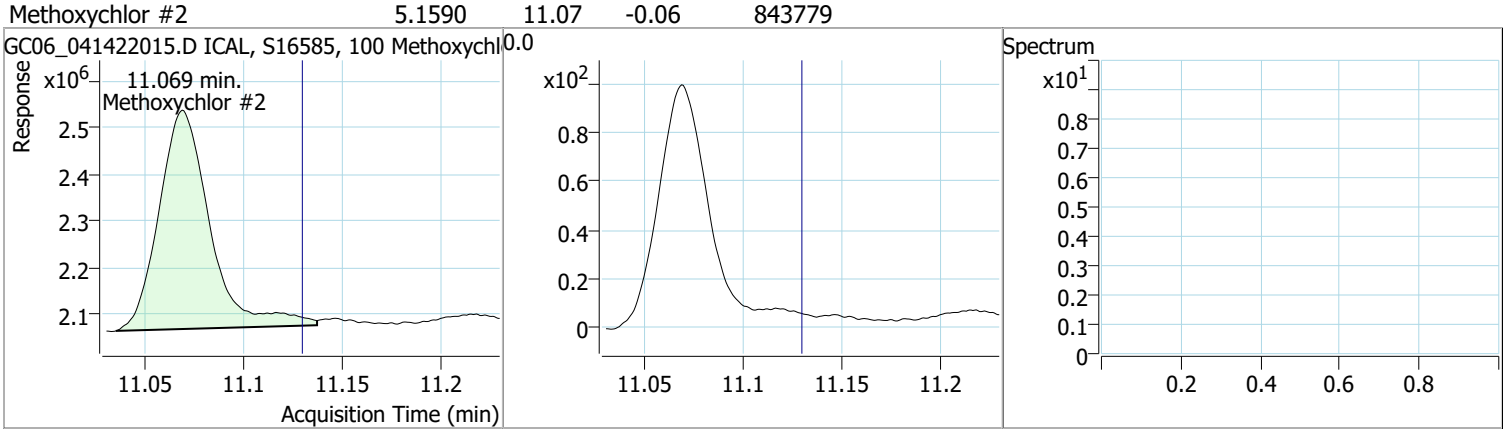
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	1.5080	10.77	-0.02	395804			



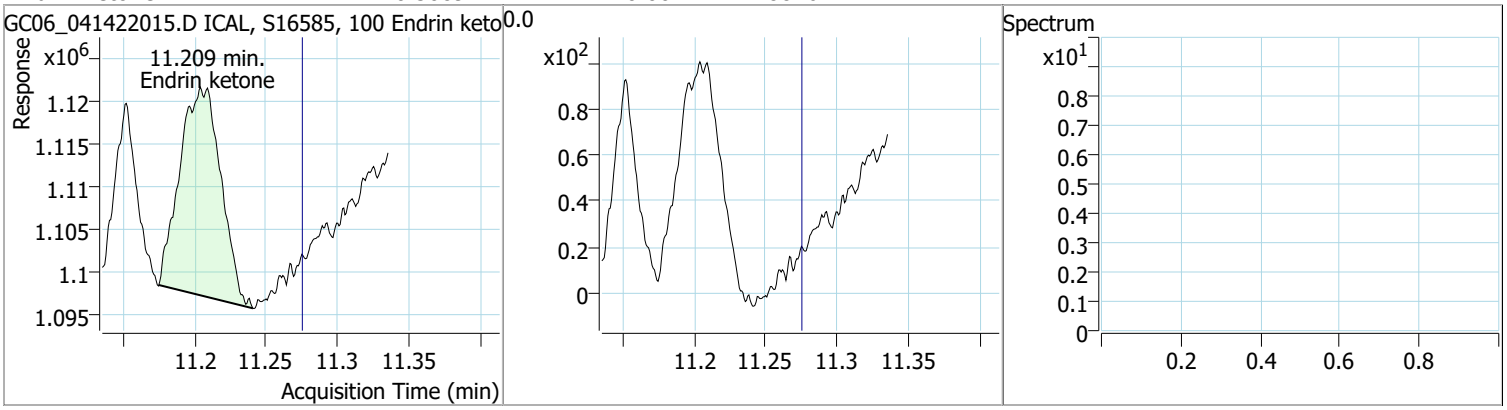
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	0.0414	10.93	0.05	3135			



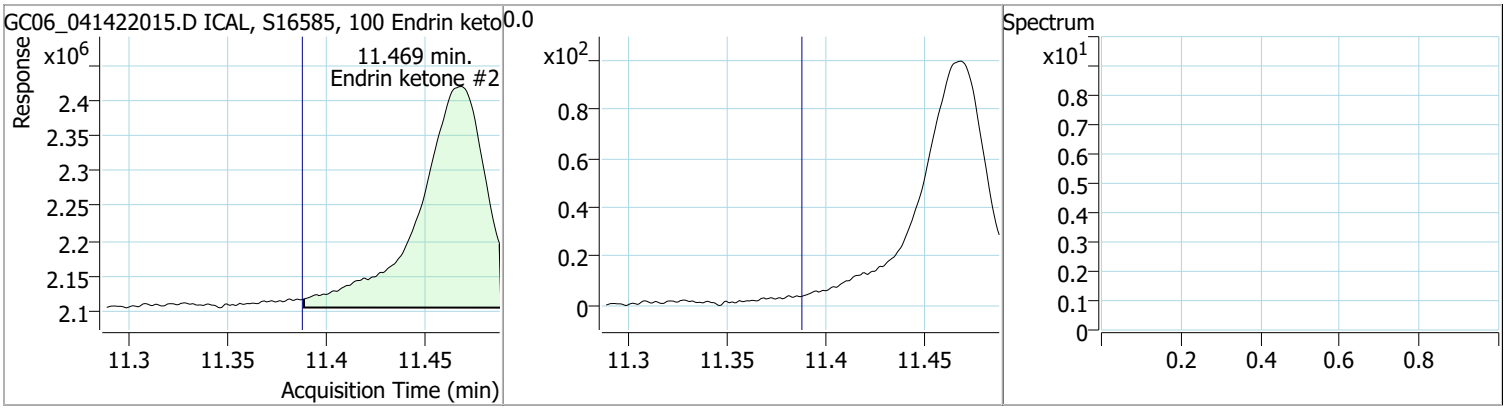
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	5.1590	11.07	-0.06	843779			



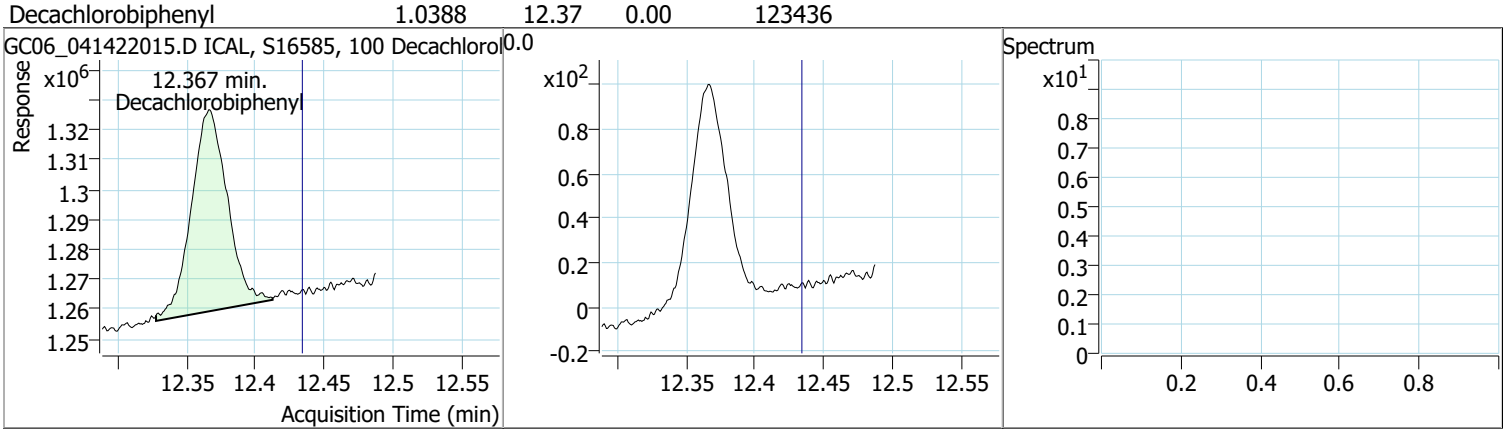
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	0.5089	11.21	0.00	48846			



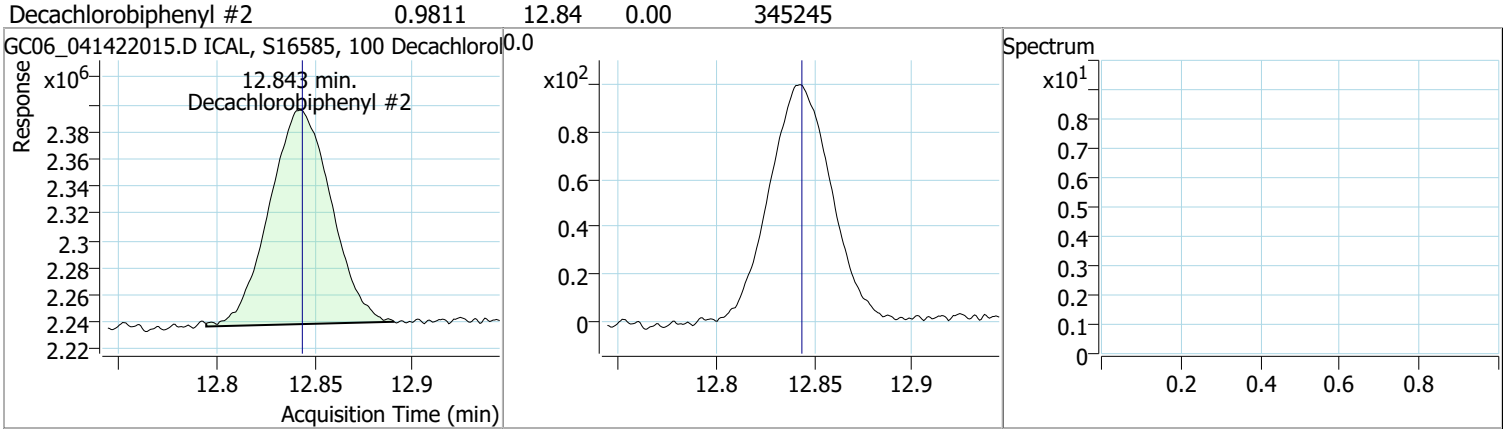
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	2.1658	11.47	0.08	729349			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	1.0388	12.37	0.00	123436			

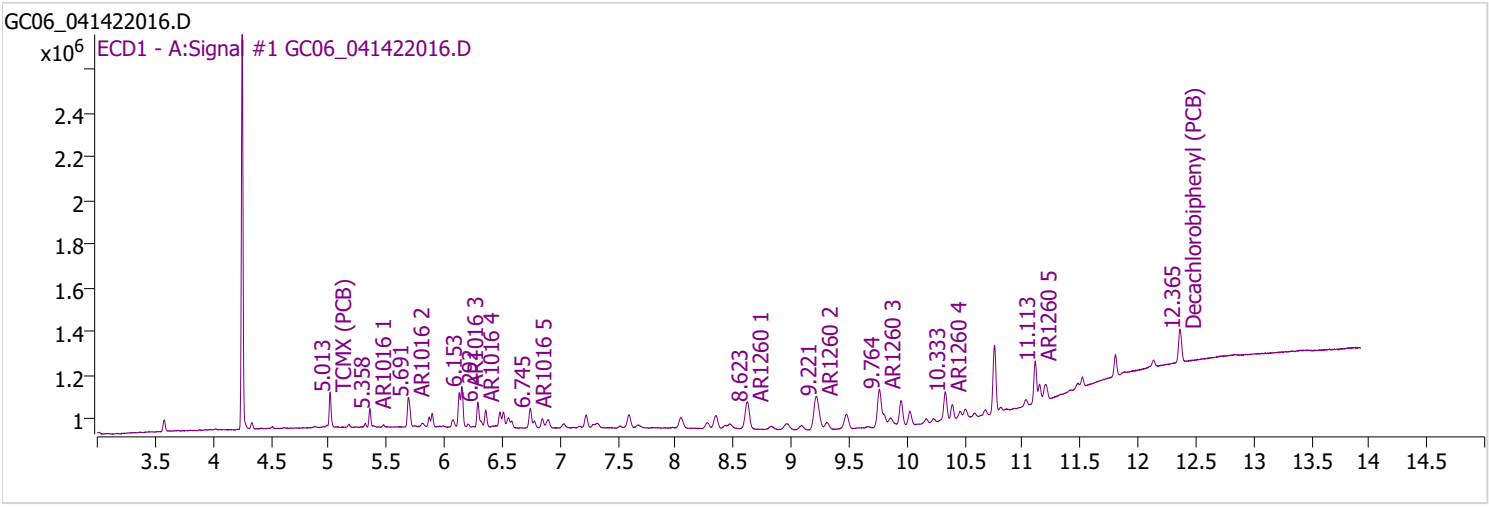


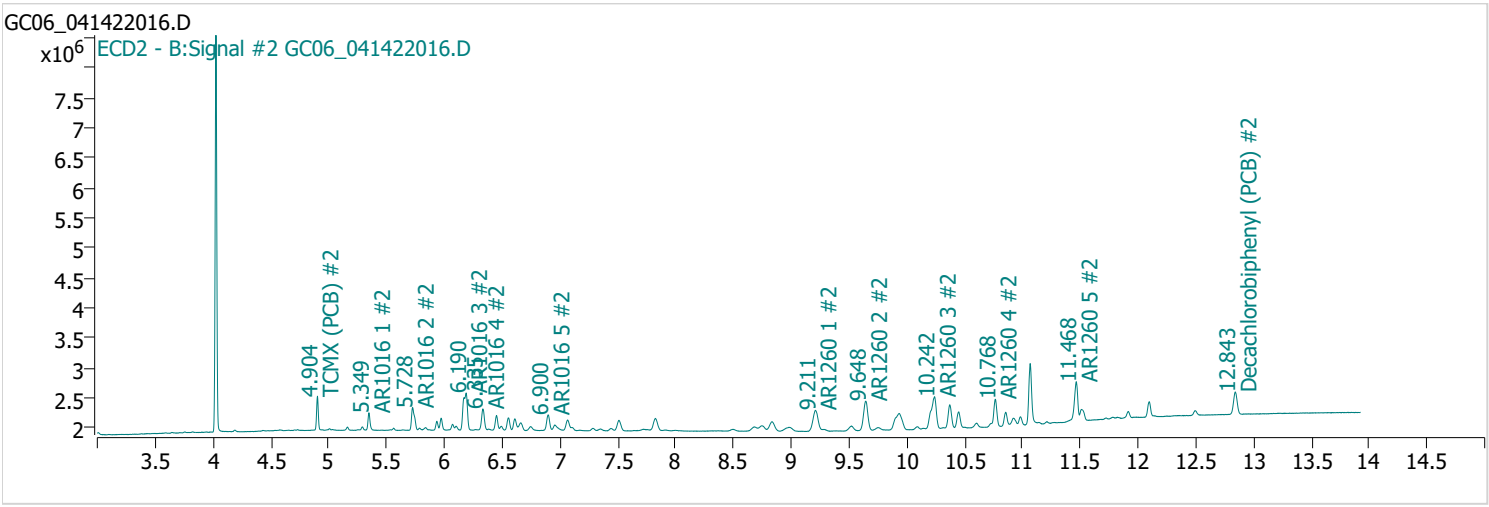
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	0.9811	12.84	0.00	345245			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422016.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 6:58:47 PM
Sample Name	ICAL, S16585, 40	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 112	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



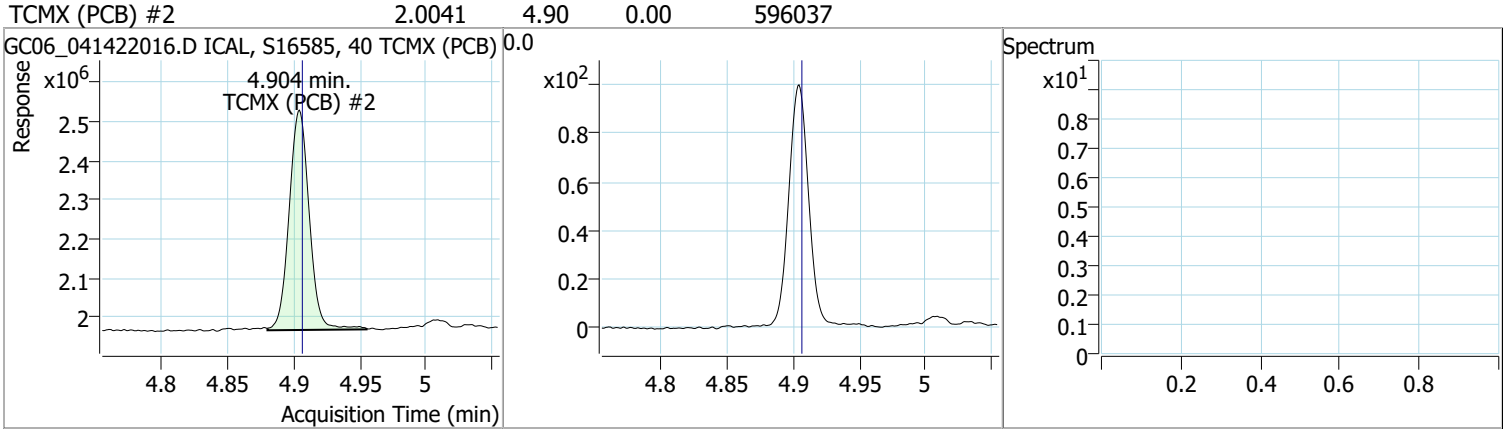


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.253	4.027	1831488	6493014	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.013	4.904	188695	596037	2.142	2.004	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	10.71% *	10.02% *	
S Decachlorobiphenyl (PCB)	12.365	12.843	290870	827447	2.089	2.112	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	10.44% *	10.56% *	
Target Compounds							
T AR1016 1	5.358	5.349	104021	377064	58.063	62.012	ng/ml
T AR1016 2	5.691	5.728	225209	695061	57.734	55.082	ng/ml
T AR1016 3	6.153	6.190	249063	930464 m	54.252	55.913	ng/ml
T AR1016 4	6.292	6.335	184253	603270	53.632	53.434	ng/ml
T AR1016 5	6.745	6.900	143229	478382	53.895	54.196	ng/ml
T AR1260 1	8.623	9.211	318657	1107150	55.286	56.339	ng/ml
T AR1260 2	9.221	9.648	492737	1253059	55.504	55.184	ng/ml
T AR1260 3	9.764	10.242	494318	1674833	53.563	54.290	ng/ml
T AR1260 4	10.333	10.768	248801	901025	54.208	53.975	ng/ml

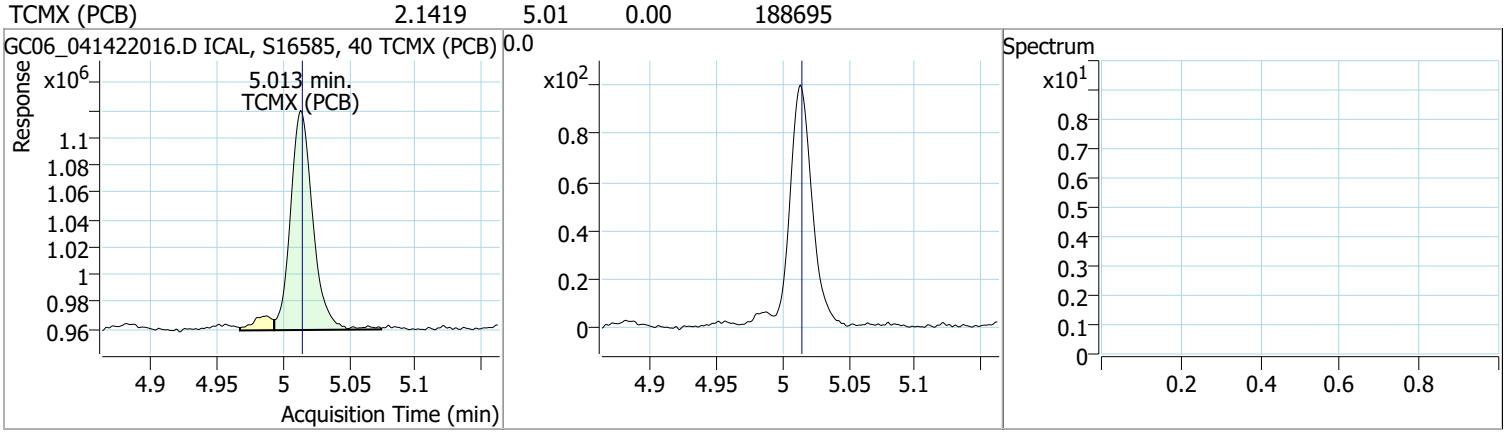
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.113	11.468	314669	1345193	51.800	54.657	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

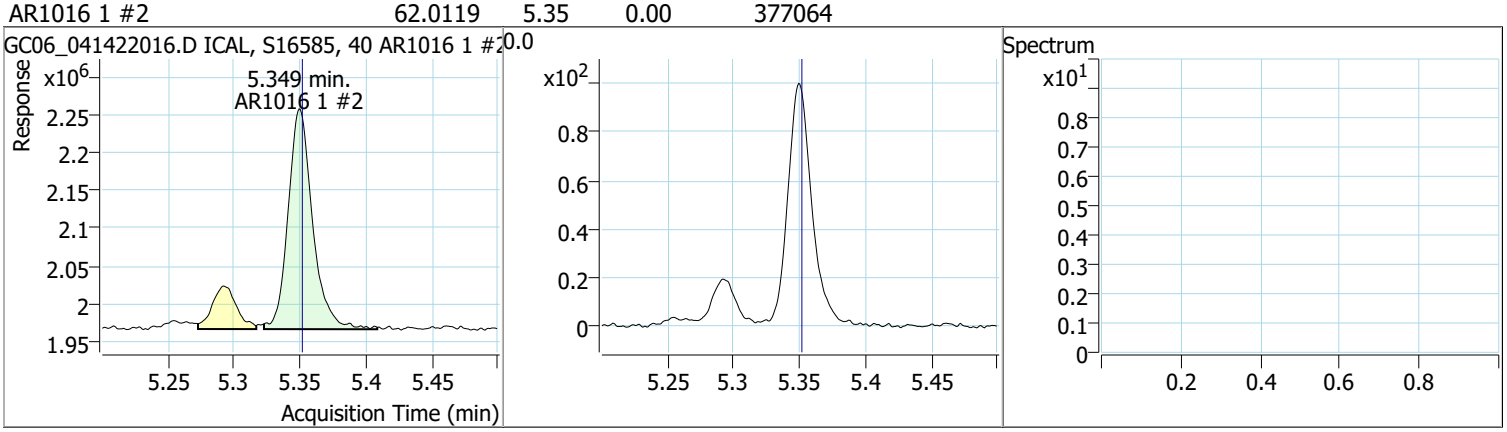
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	2.0041	4.90	0.00	596037			



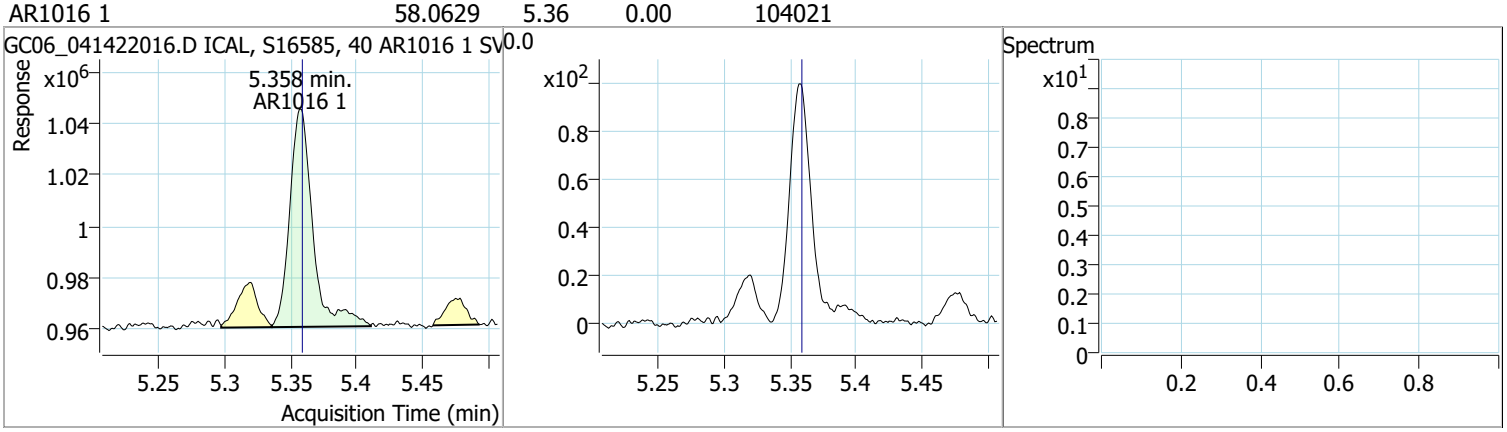
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	2.1419	5.01	0.00	188695			



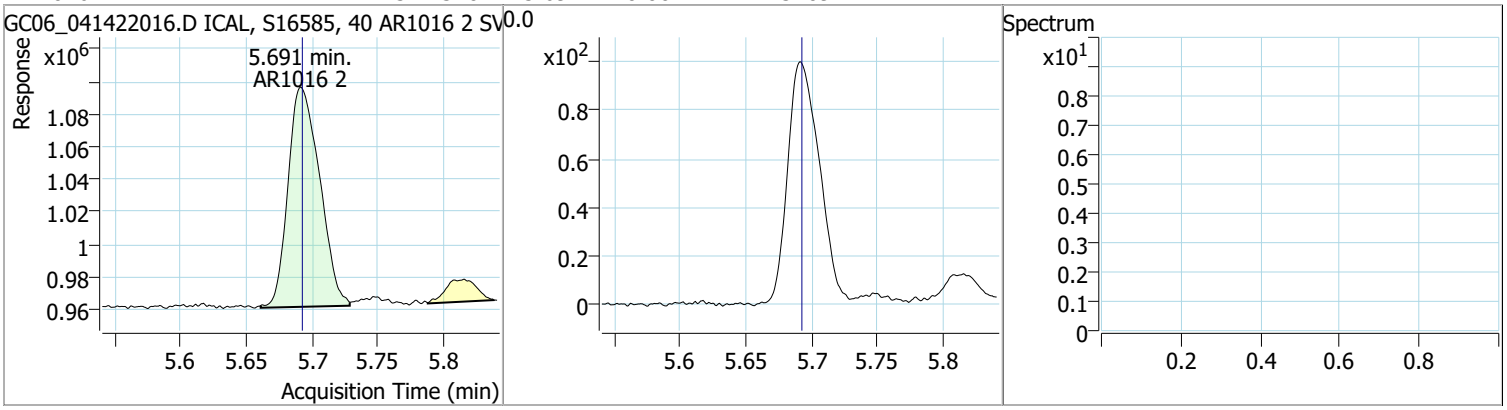
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	62.0119	5.35	0.00	377064			



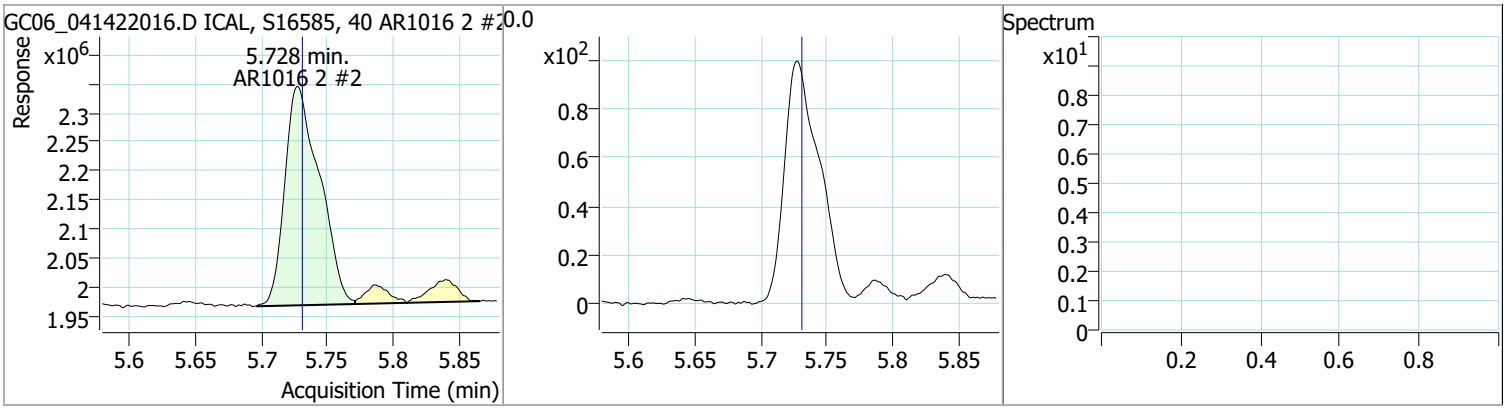
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	58.0629	5.36	0.00	104021			



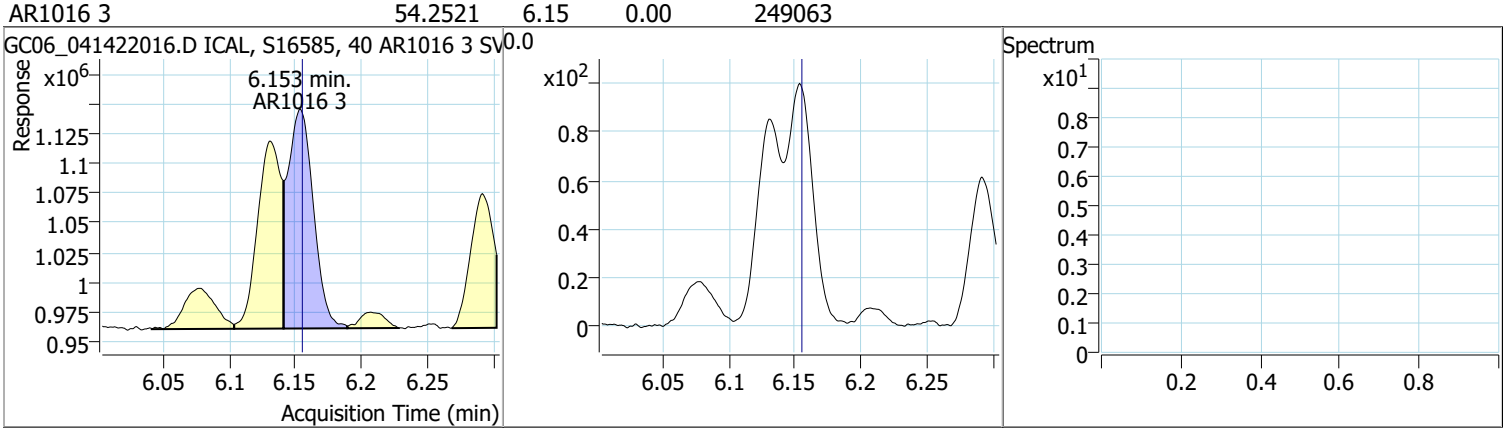
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	57.7340	5.69	0.00	225209			



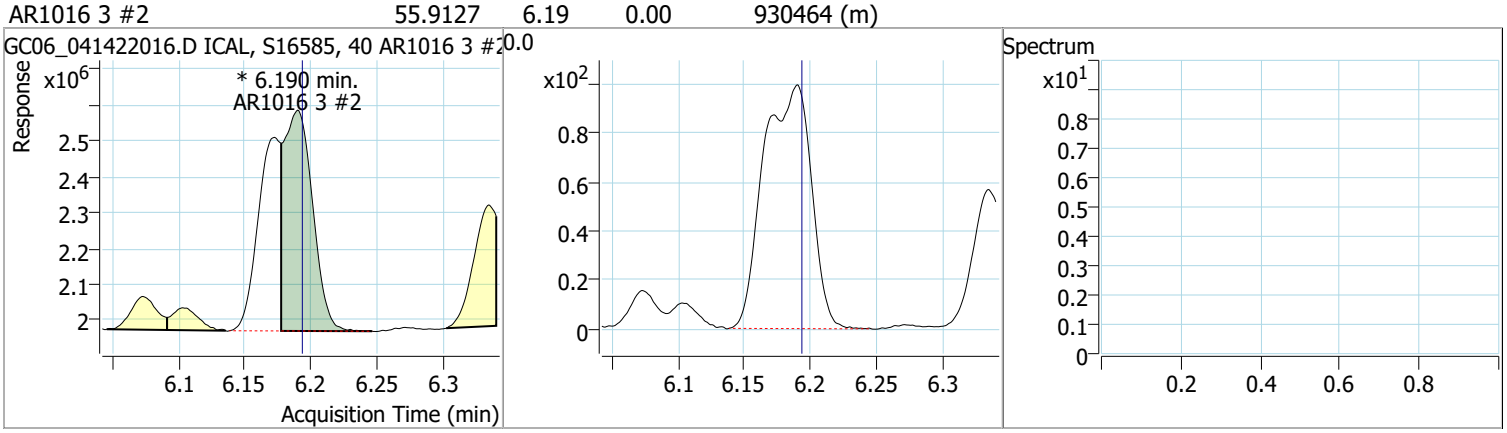
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	55.0824	5.73	0.00	695061			



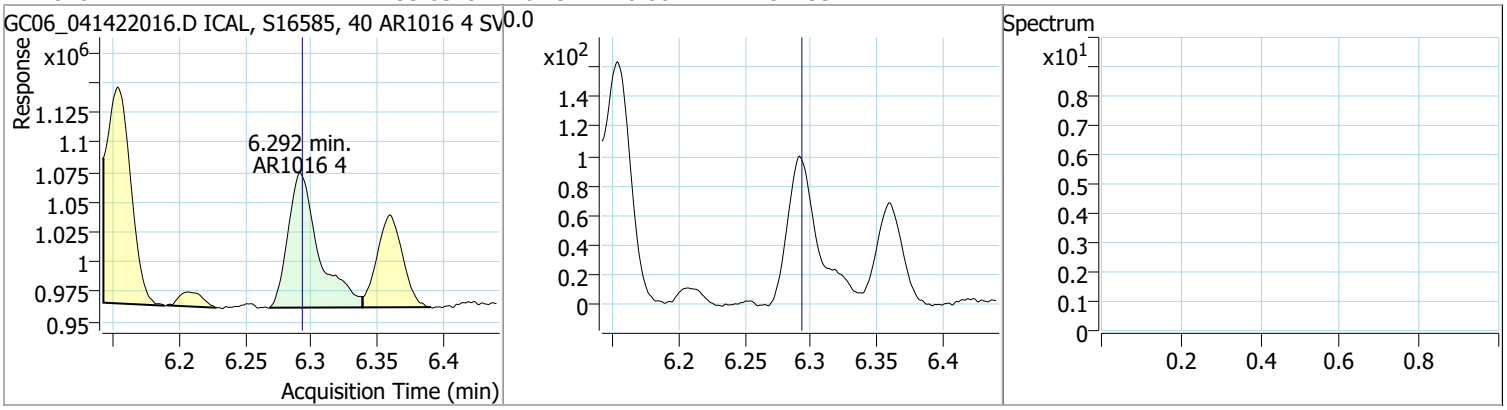
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	54.2521	6.15	0.00	249063			



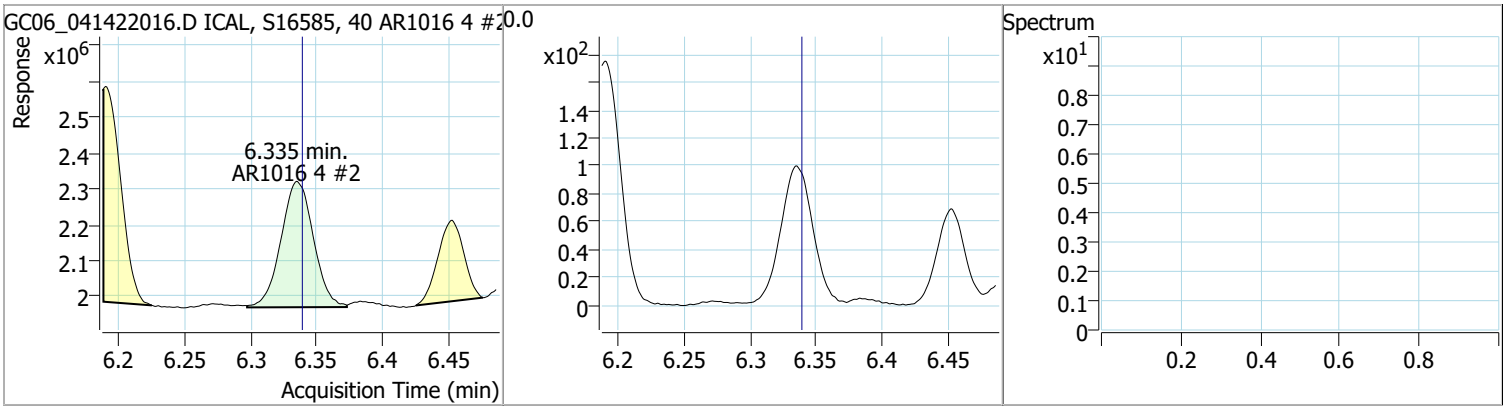
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	55.9127	6.19	0.00	930464 (m)			



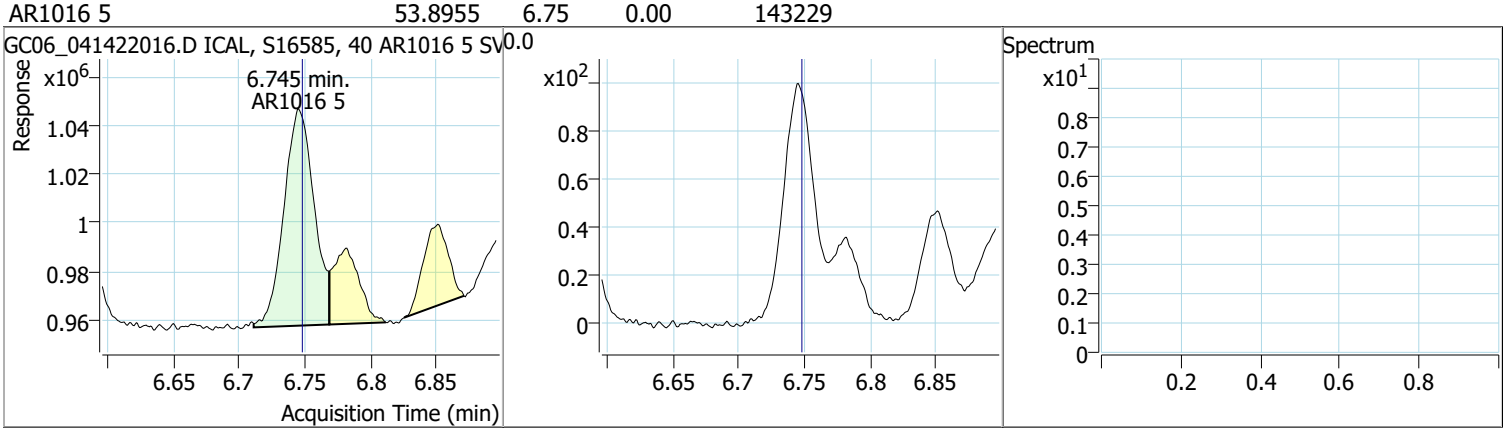
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	53.6319	6.29	0.00	184253			



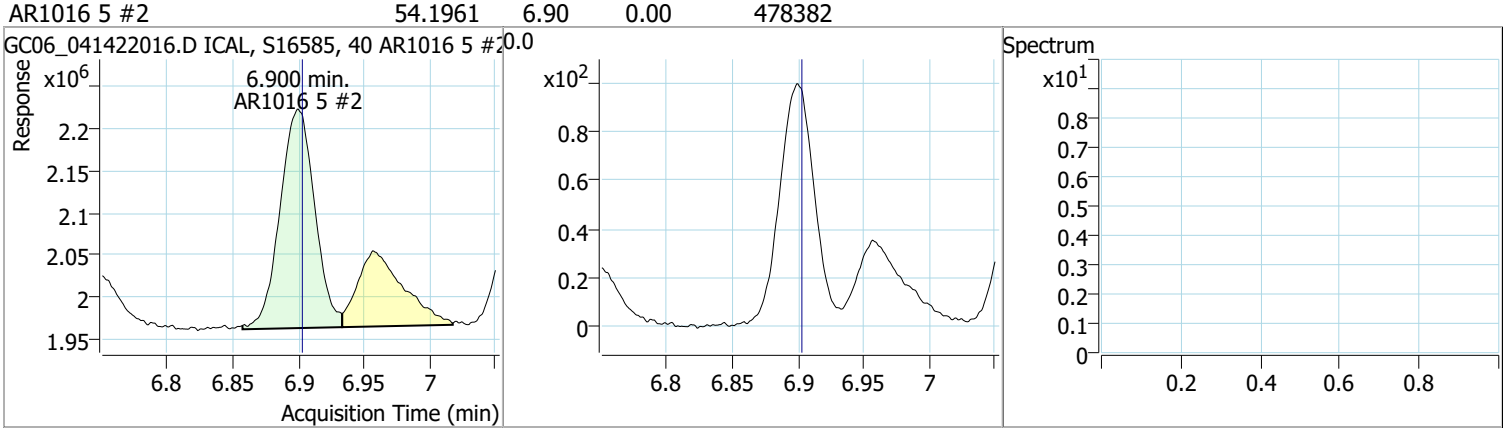
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	53.4336	6.34	0.00	603270			



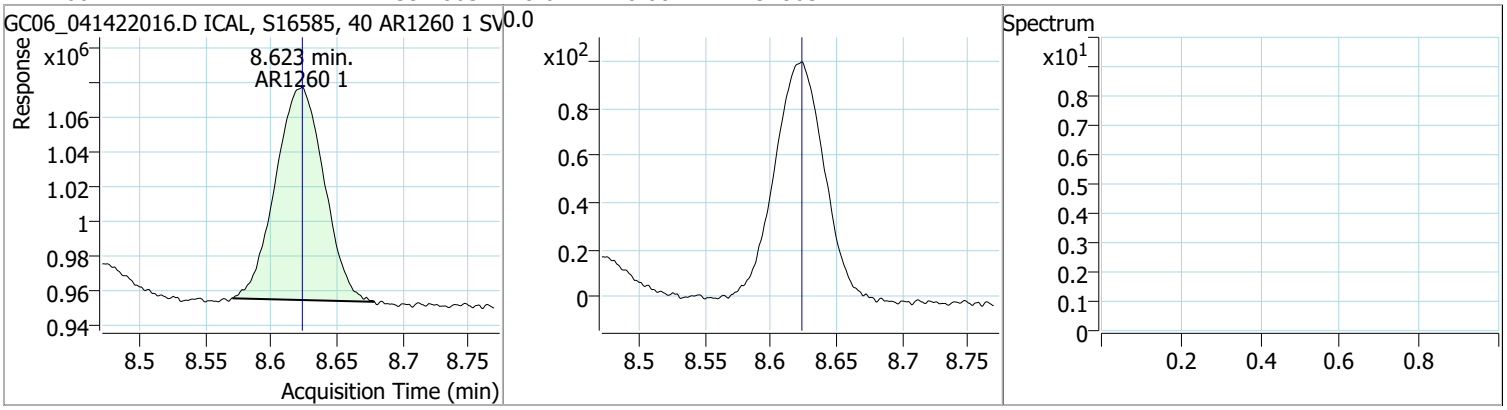
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	53.8955	6.75	0.00	143229			



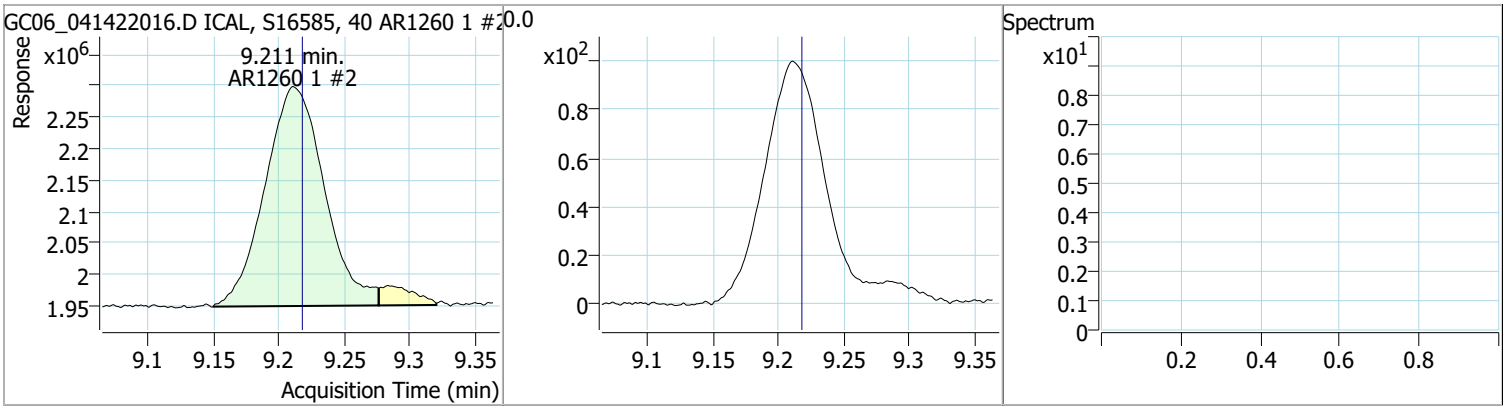
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	54.1961	6.90	0.00	478382			



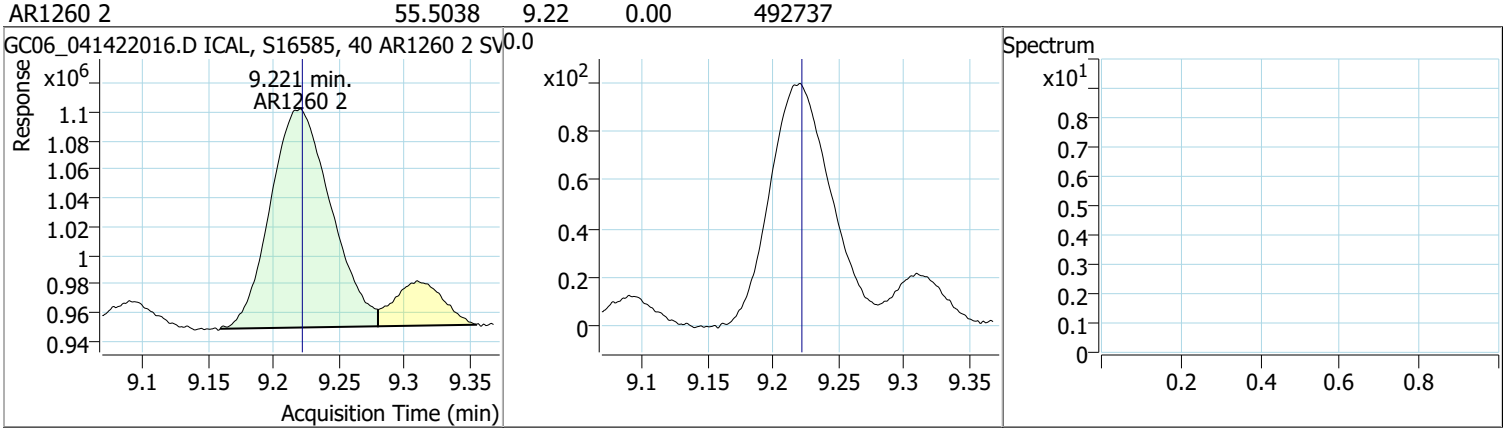
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	55.2863	8.62	0.00	318657			



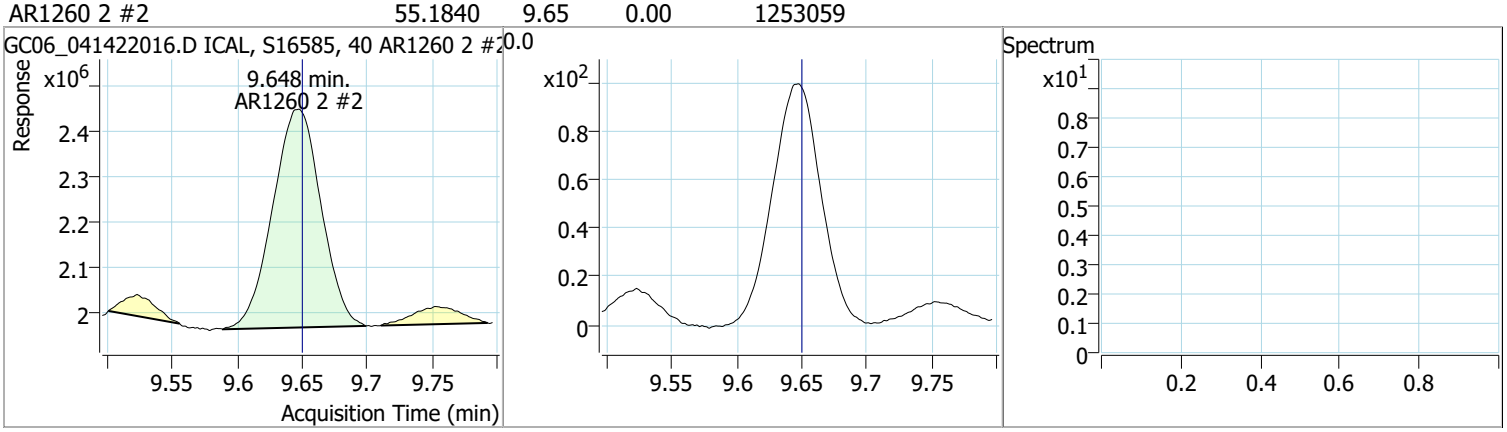
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	56.3386	9.21	0.00	1107150			



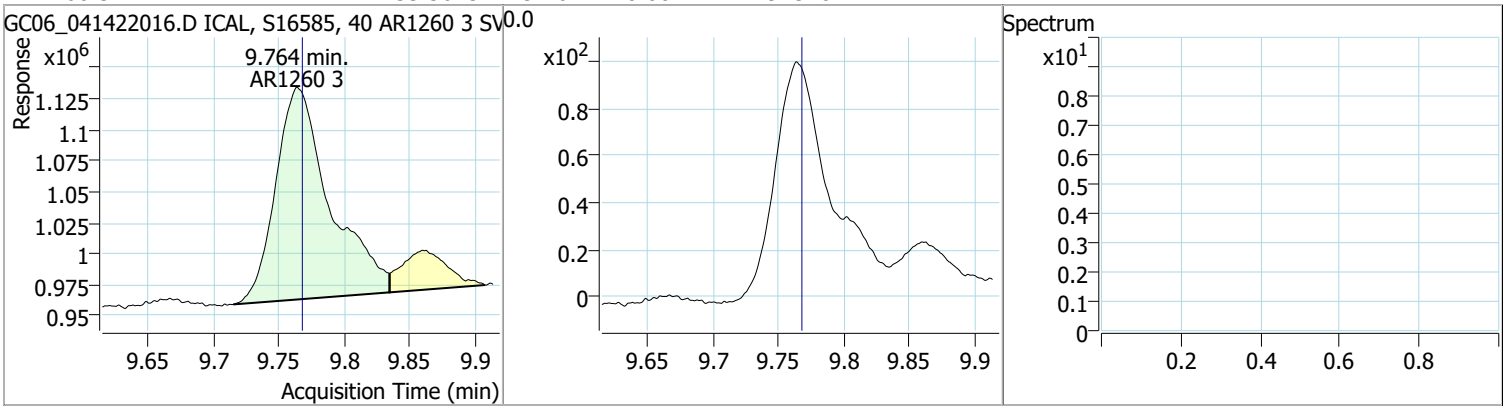
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	55.5038	9.22	0.00	492737			



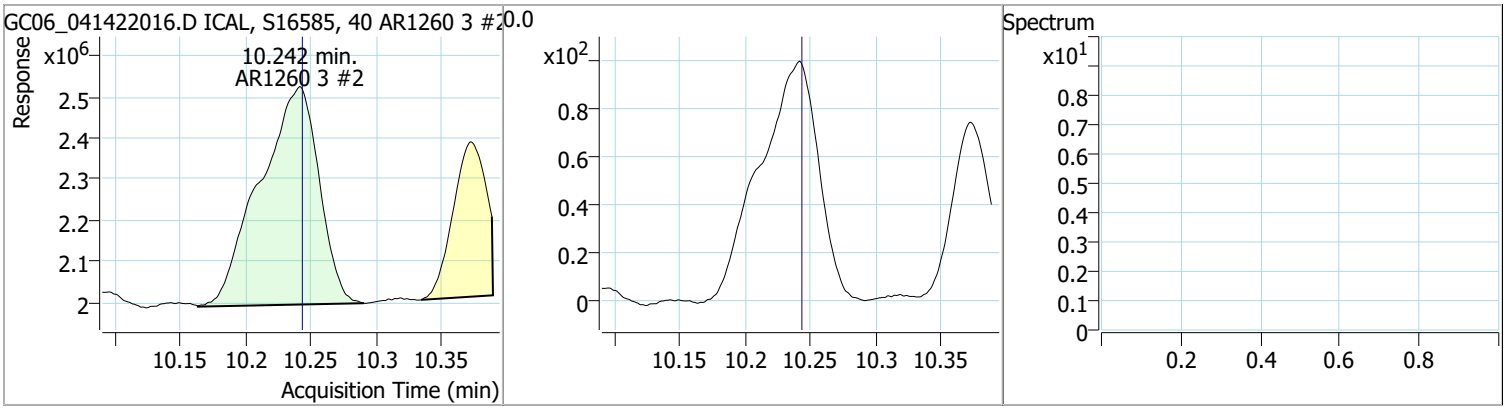
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	55.1840	9.65	0.00	1253059			



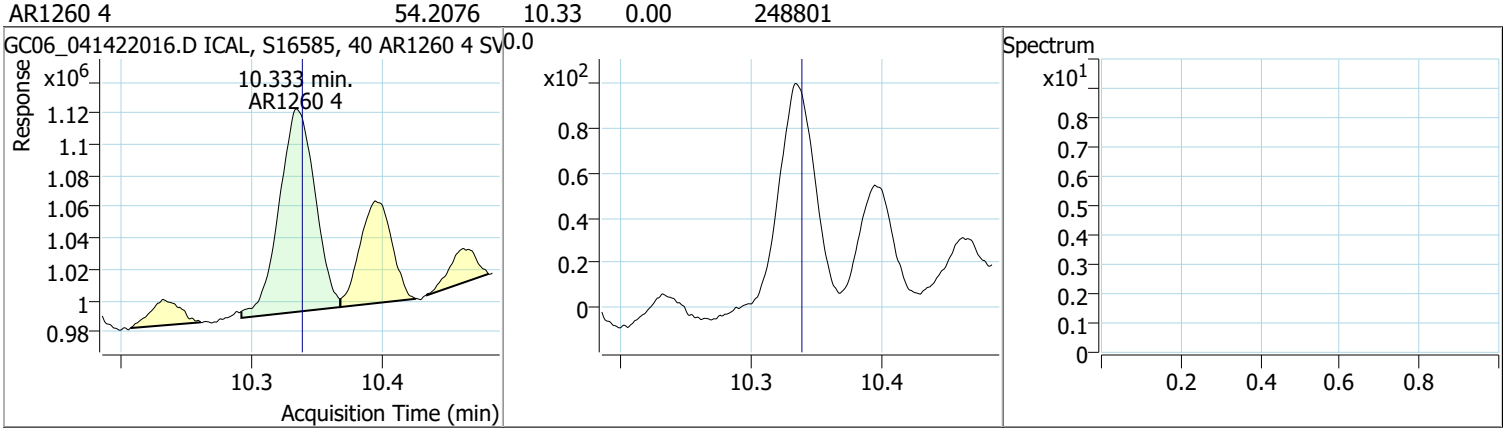
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	53.5625	9.76	0.00	494318			



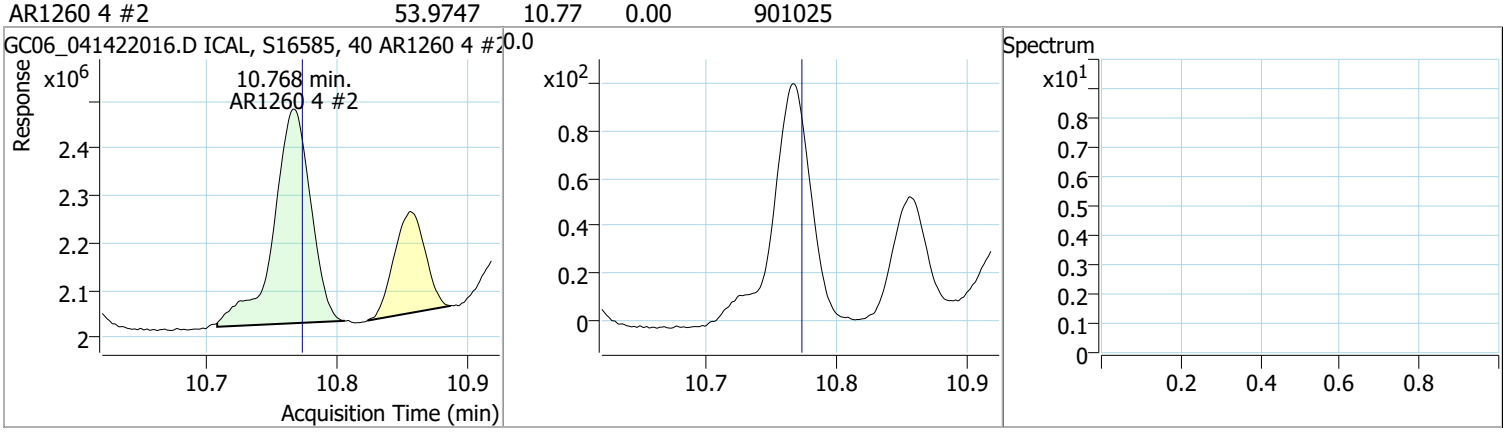
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	54.2896	10.24	0.00	1674833			



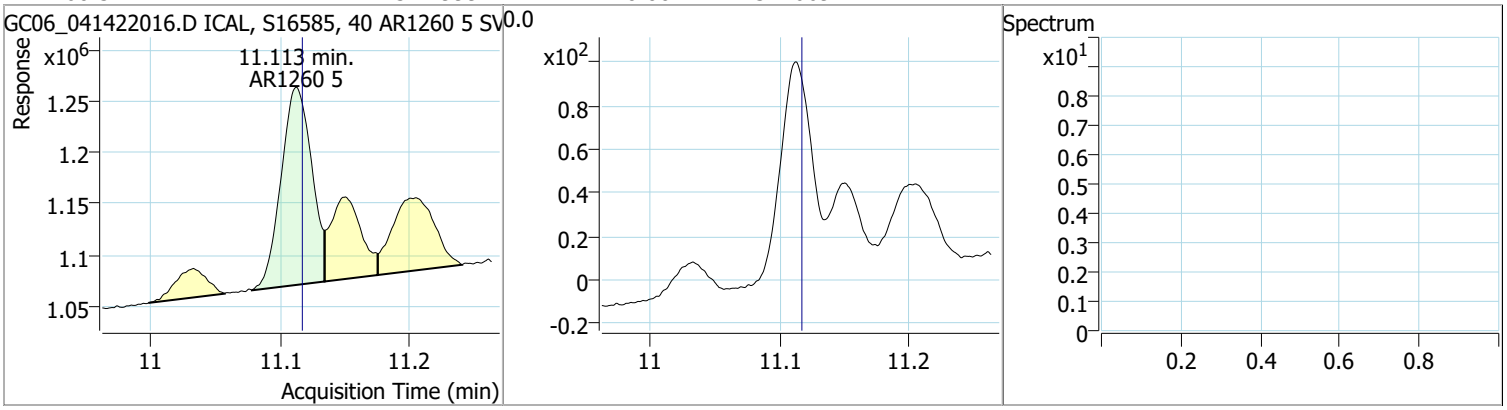
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	54.2076	10.33	0.00	248801			



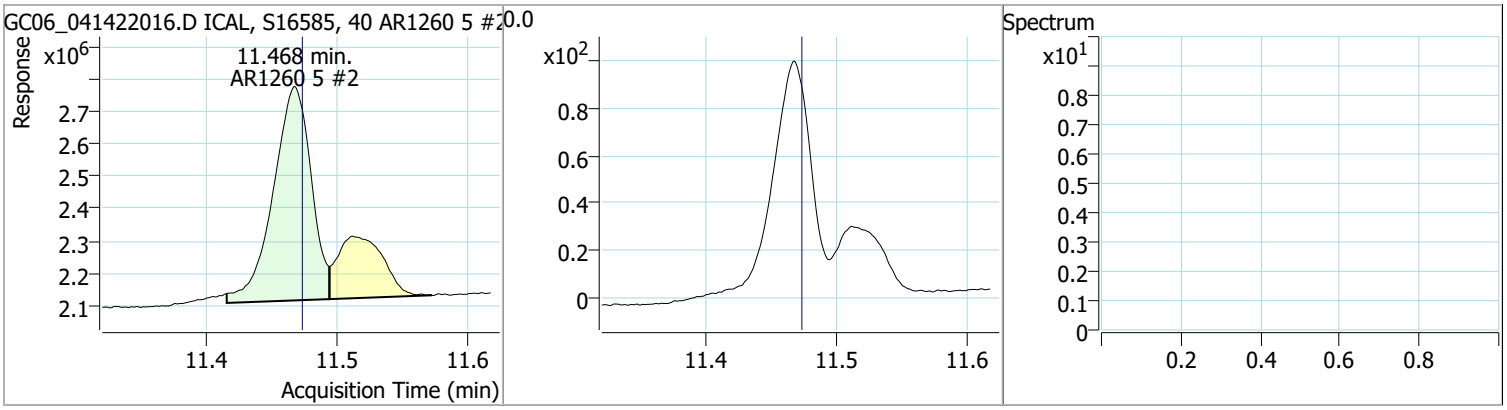
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	53.9747	10.77	0.00	901025			



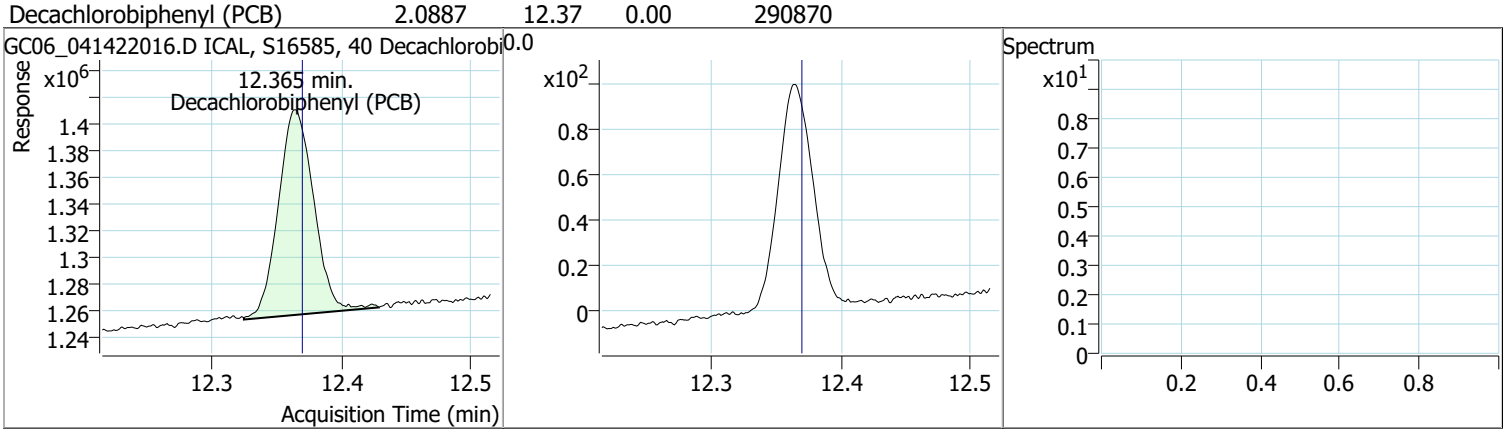
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	51.7999	11.11	0.00	314669			



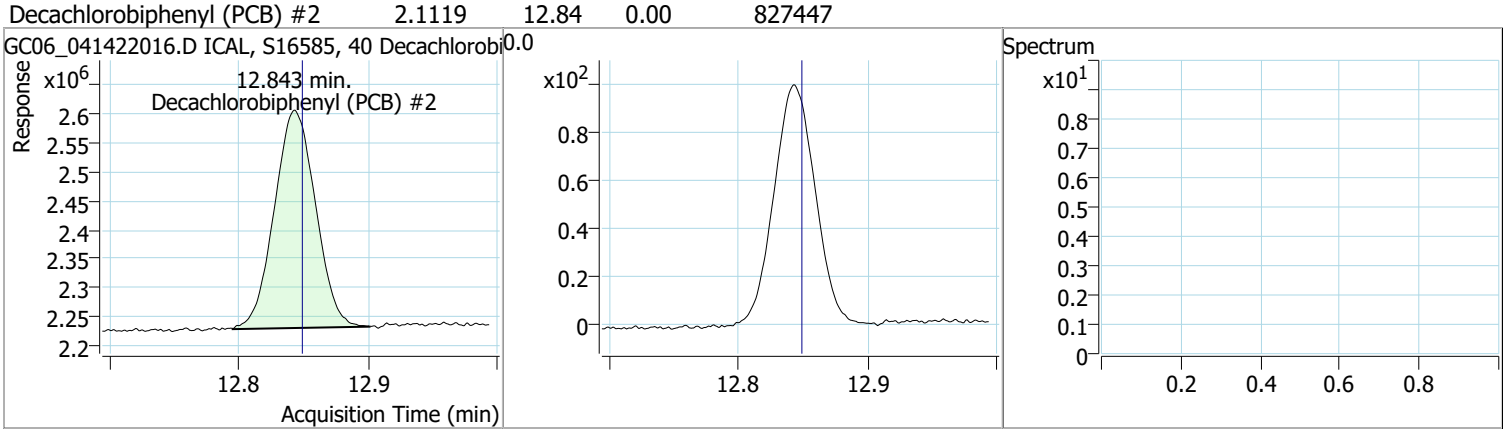
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	54.6566	11.47	0.00	1345193			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	2.0887	12.37	0.00	290870			

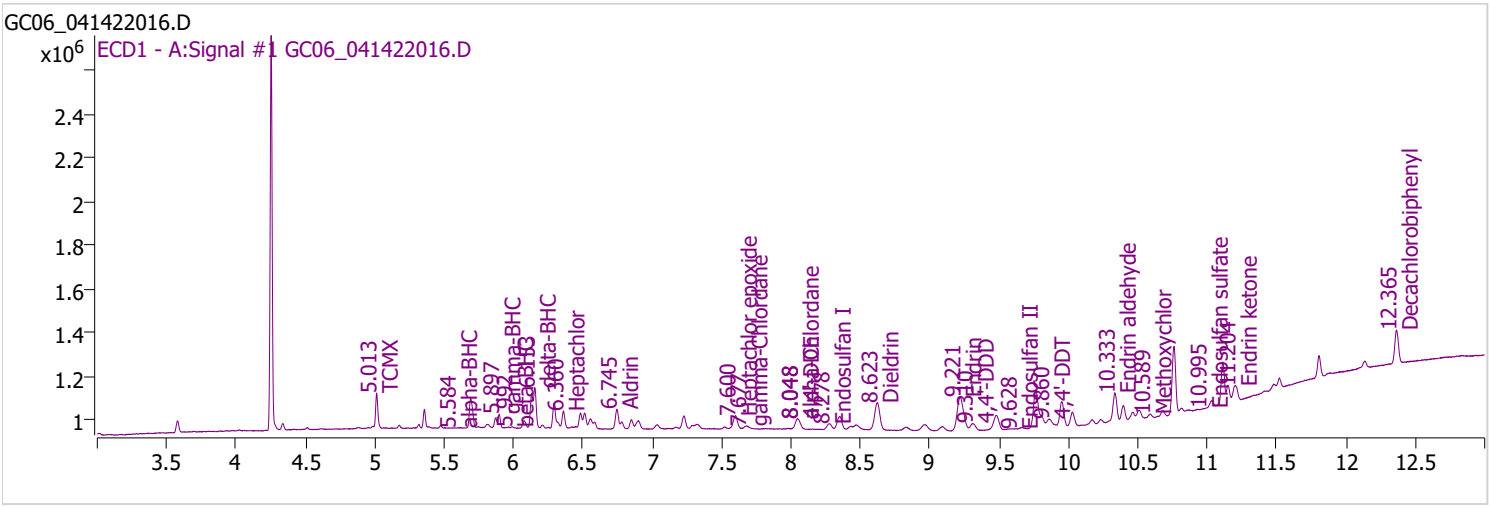


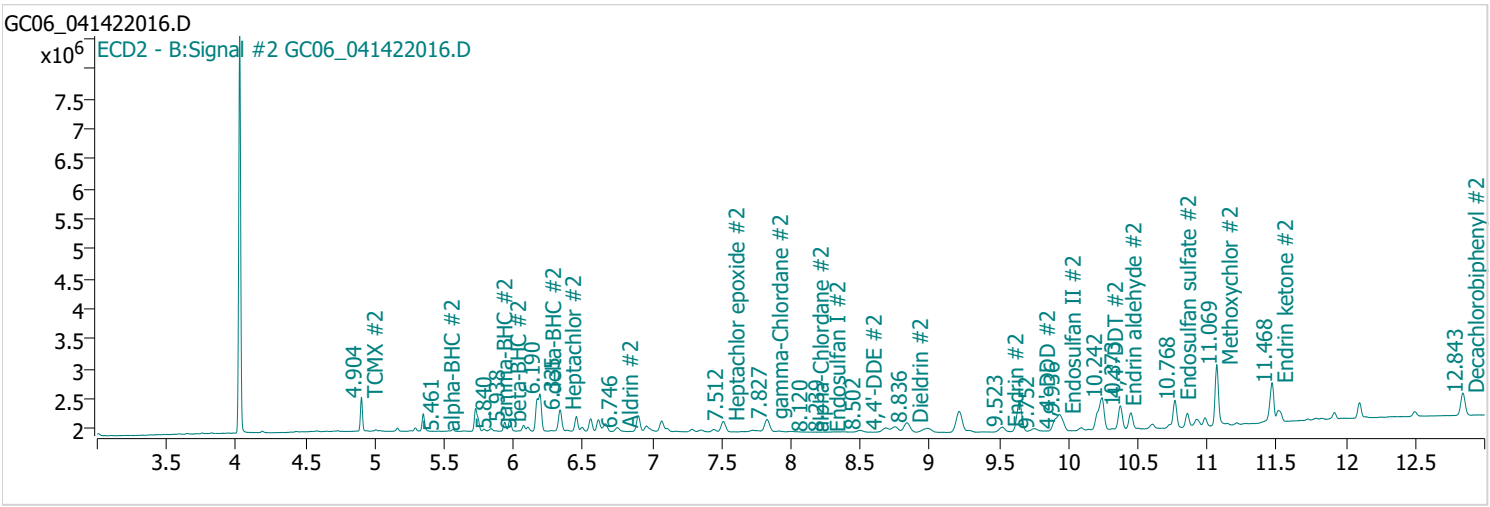
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	2.1119	12.84	0.00	827447			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422016.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 6:58:47 PM
Sample Name	ICAL, S16585, 40	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 112	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 7:13:01 PM



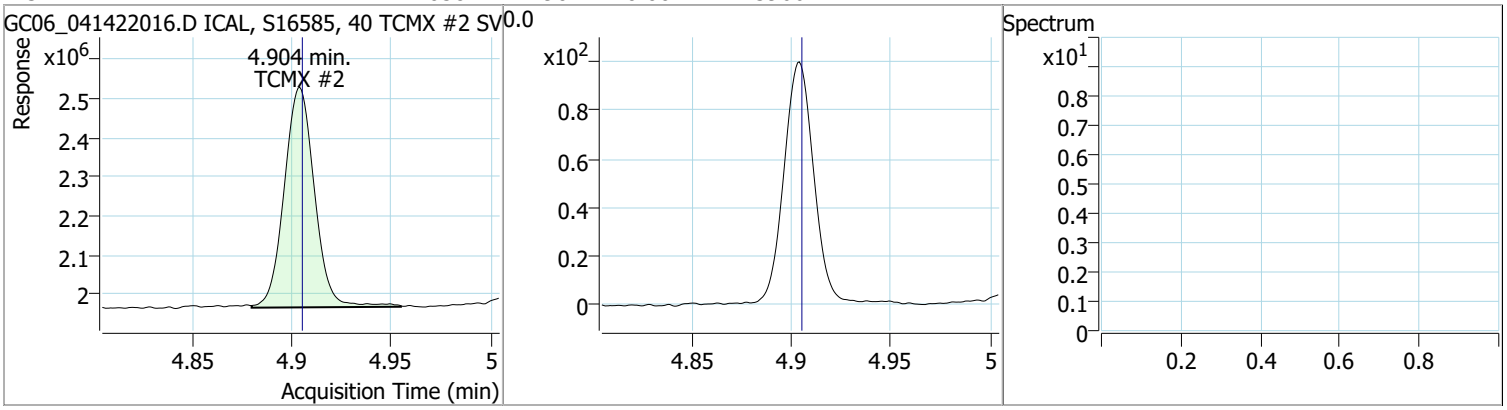


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.253	4.027	1822294	6484704	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.013	4.904	188116	596647	2.204	2.106	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	11.02% *	10.53% *	
S Decachlorobiphenyl	12.365	12.843	283103	834130	2.275	2.285	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	11.37% *	11.43% *	
Target Compounds							
T alpha-BHC	5.584	5.461	708	2319	0.008	0.007	ng/ml
T gamma-BHC	5.897	5.840	73017	55872	0.806	0.175 #	ng/ml
T beta-BHC	5.992	5.938	7952	186145	0.179	1.112 #	ng/ml
T delta-BHC	6.153	6.190	242664	1556060	2.302	3.430 #	ng/ml
T Heptachlor	6.360	6.335	88833	603712	0.950	1.636 #	ng/ml
T Aldrin	6.745	6.746	142118	137298	1.492	0.406 #	ng/ml
T Heptachlor epoxide	7.600	7.512	143946	366575	1.539	1.147 #	ng/ml
T gamma-Chlordane	7.677	7.827	30443	479154	0.366	1.393 #	ng/ml
T alpha-Chlordane	8.048	8.120	75417	591	0.904	0.002 #	ng/ml

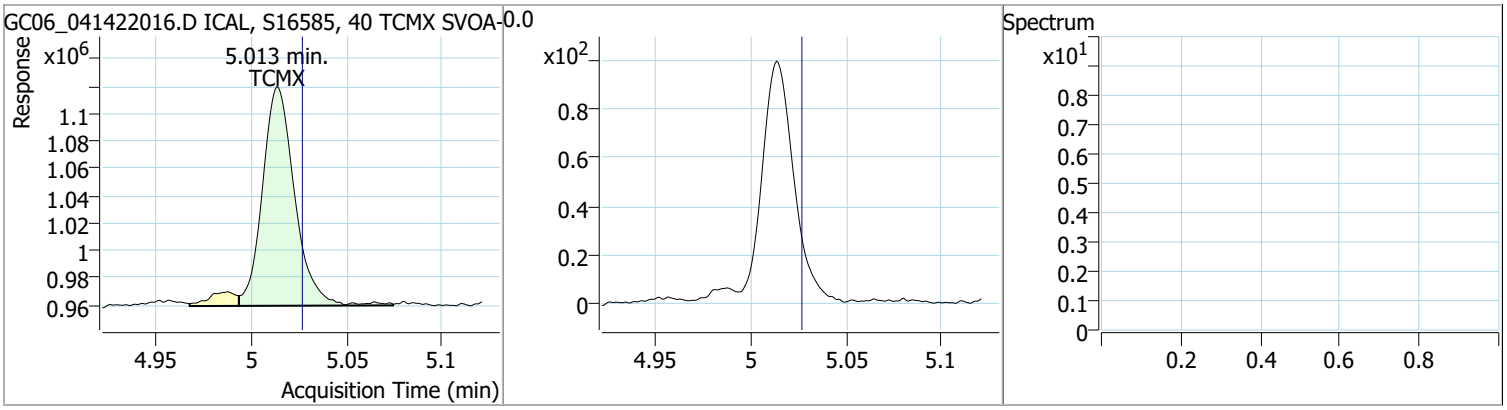
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.278	8.239	52820	1065	0.697	0.004 #	ng/ml
T 4,4'-DDE	8.048	8.502 f	118558	65903	1.470	0.255 #	ng/ml
T Dieldrin	8.623	8.836	332902	394595	3.501	1.342 #	ng/ml
T Endrin	9.221	9.523	462827	232946	4.953	0.883 #	ng/ml
T 4,4'-DDD	9.310	9.752	55130	116696	0.920	0.504 #	ng/ml
T Endosulfan II	9.628	9.936 f	2270	1133452	0.028	3.606 #	ng/ml
T 4,4'-DDT	9.860	10.242	67862	1655756	0.920	4.976 #	ng/ml
T Endrin aldehyde	10.333	10.373	232828	757302	3.588	3.290	ng/ml
T Endosulfan sulfate	10.995	10.768	30661	930538	0.434	3.519 #	ng/ml
T Methoxychlor	10.589	11.069 f	26977	1780926	0.611	11.189 #	ng/ml
T Endrin ketone	11.204	11.468 f	117079	1363092	1.278	3.969 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

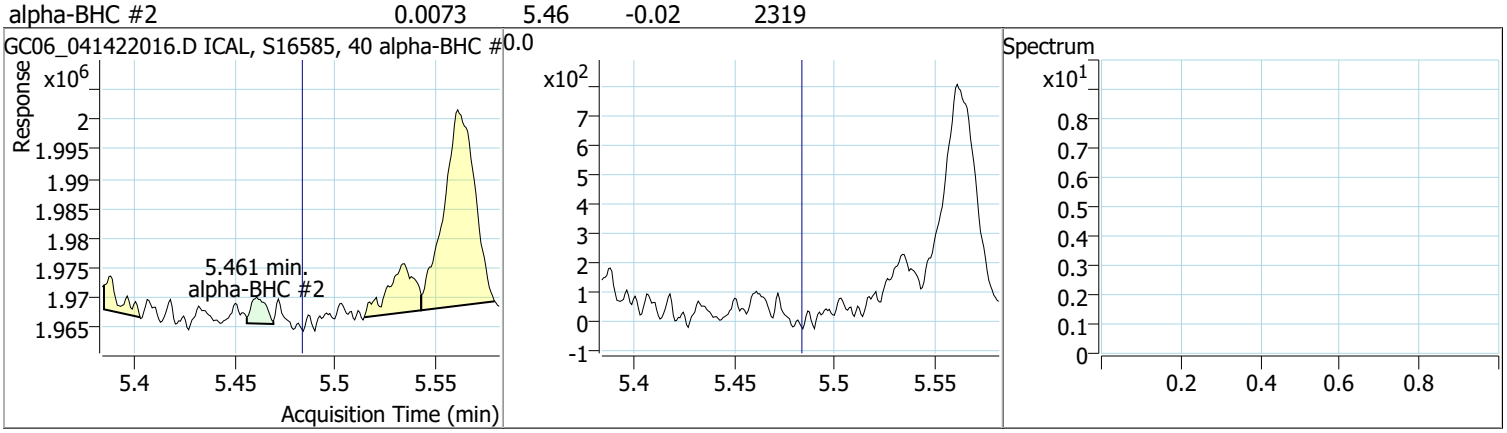
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	2.1058	4.90	0.00	596647			



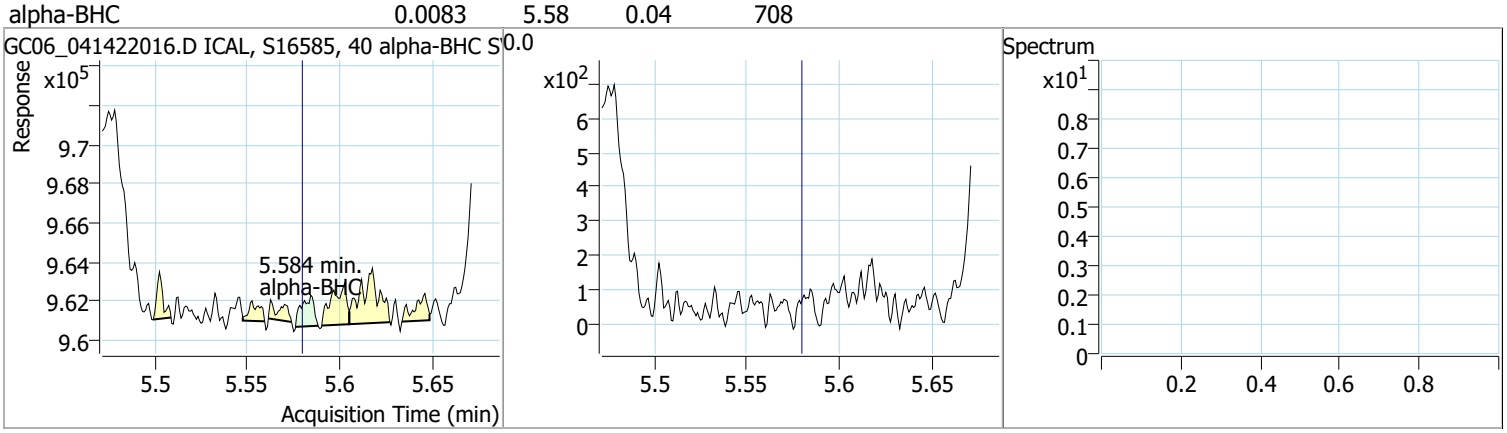
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	2.2038	5.01	0.02	188116			



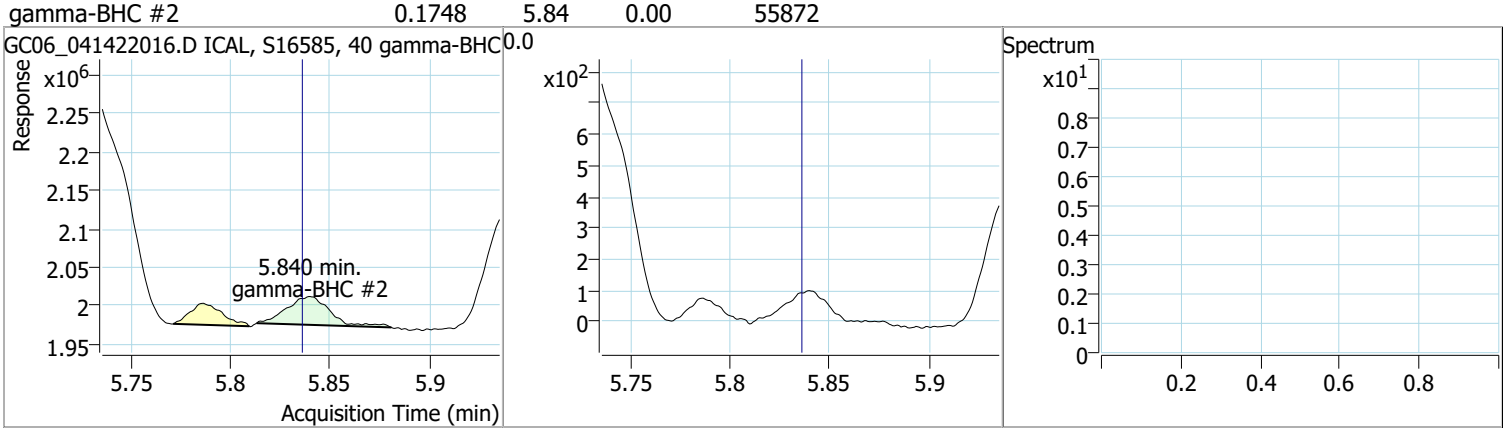
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	0.0073	5.46	-0.02	2319			



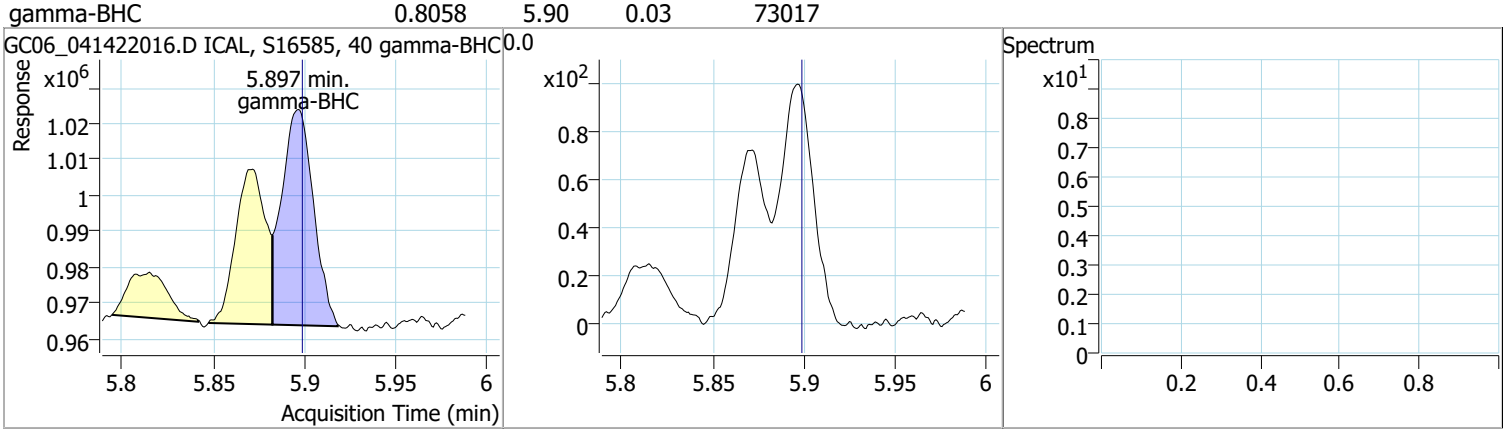
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC	0.0083	5.58	0.04	708			



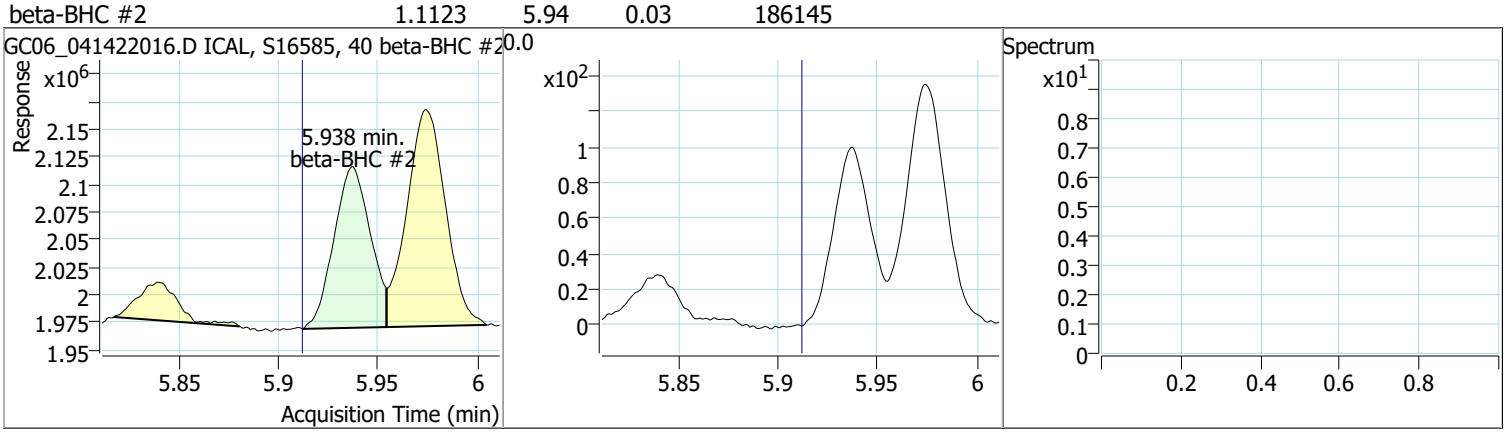
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	0.1748	5.84	0.00	55872			



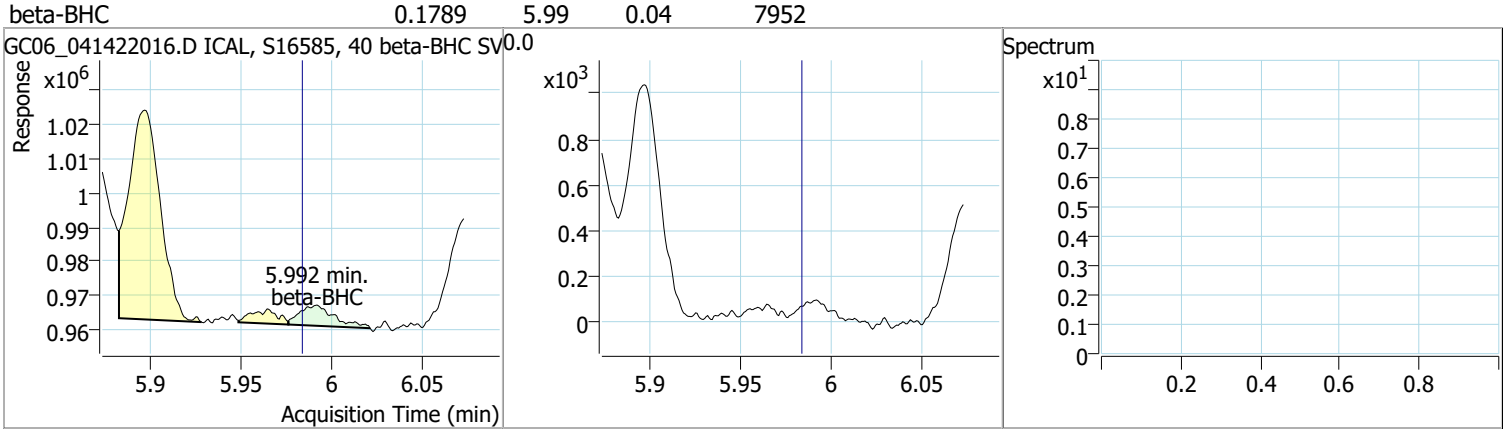
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	0.8058	5.90	0.03	73017			



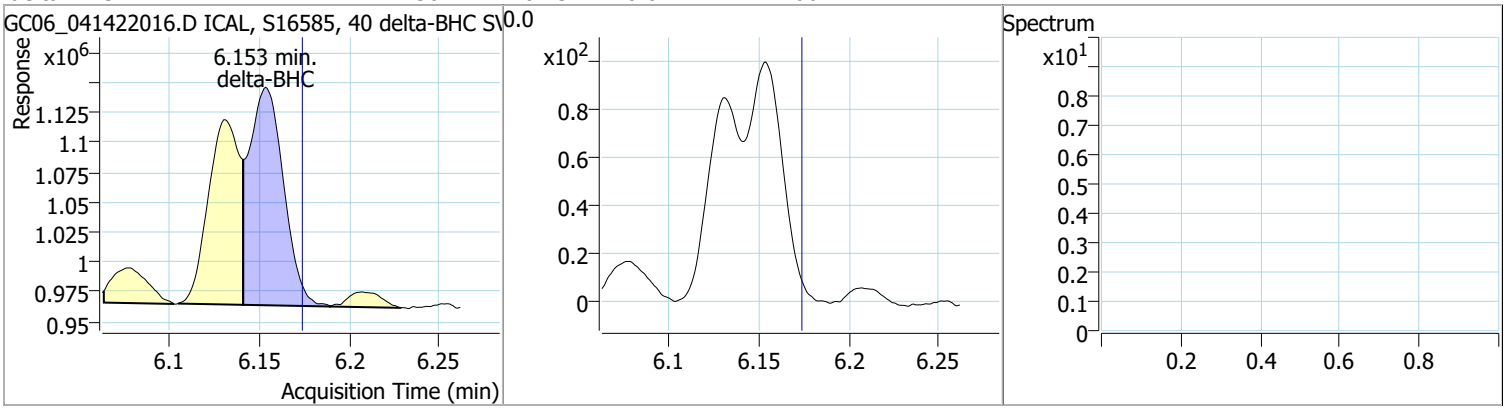
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	1.1123	5.94	0.03	186145			



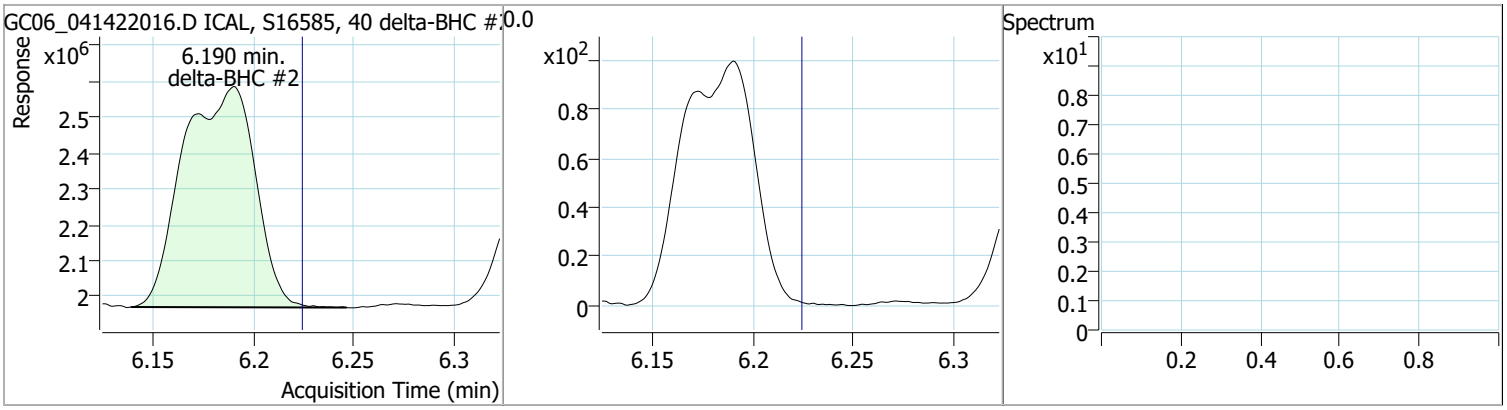
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	0.1789	5.99	0.04	7952			



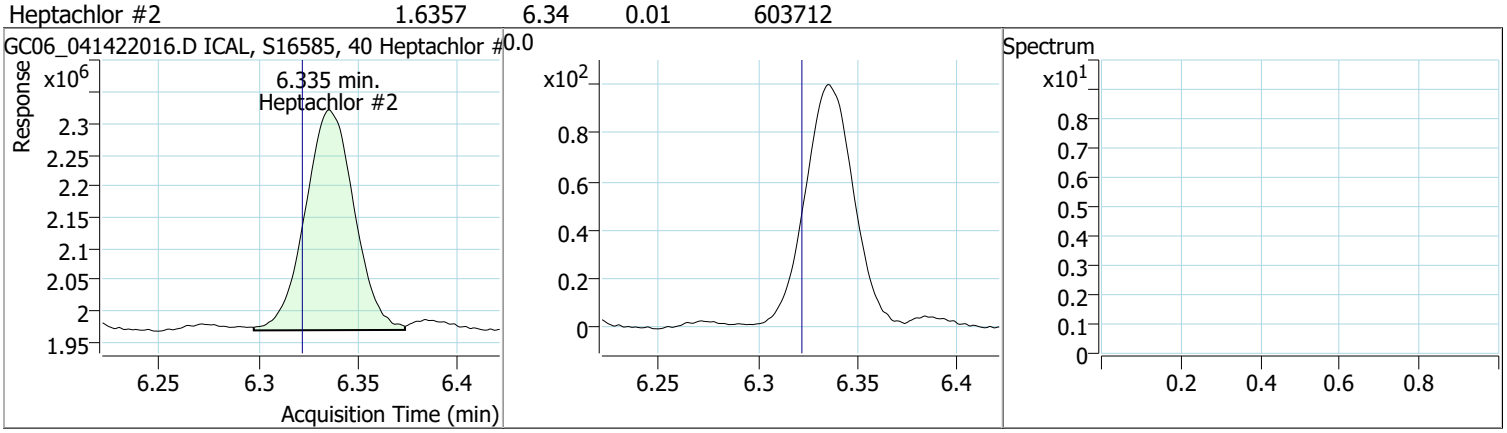
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	2.3017	6.15	0.01	242664			



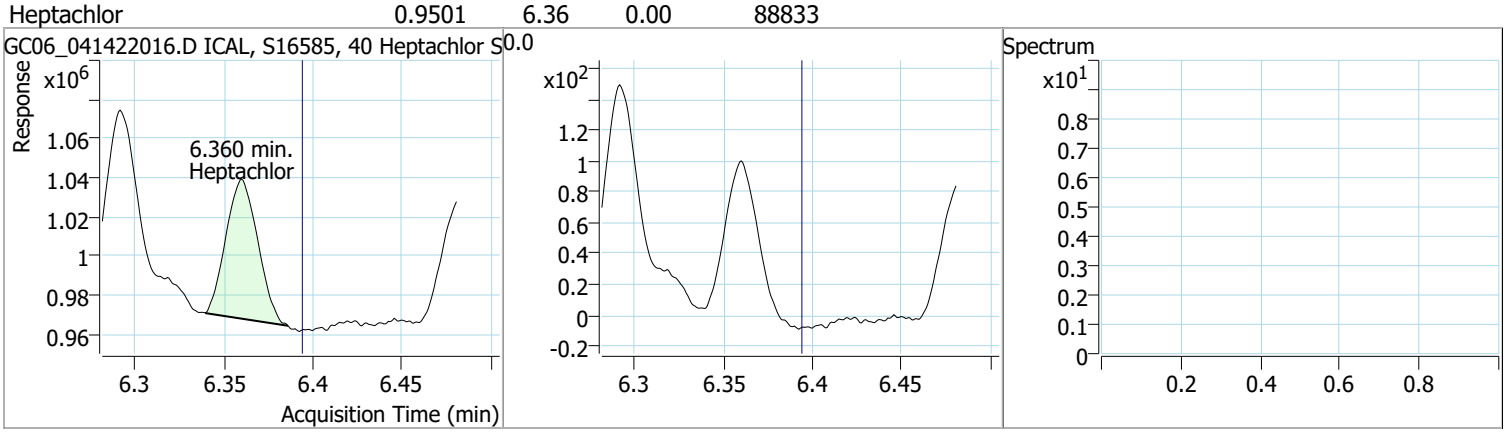
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	3.4300	6.19	-0.03	1556060			



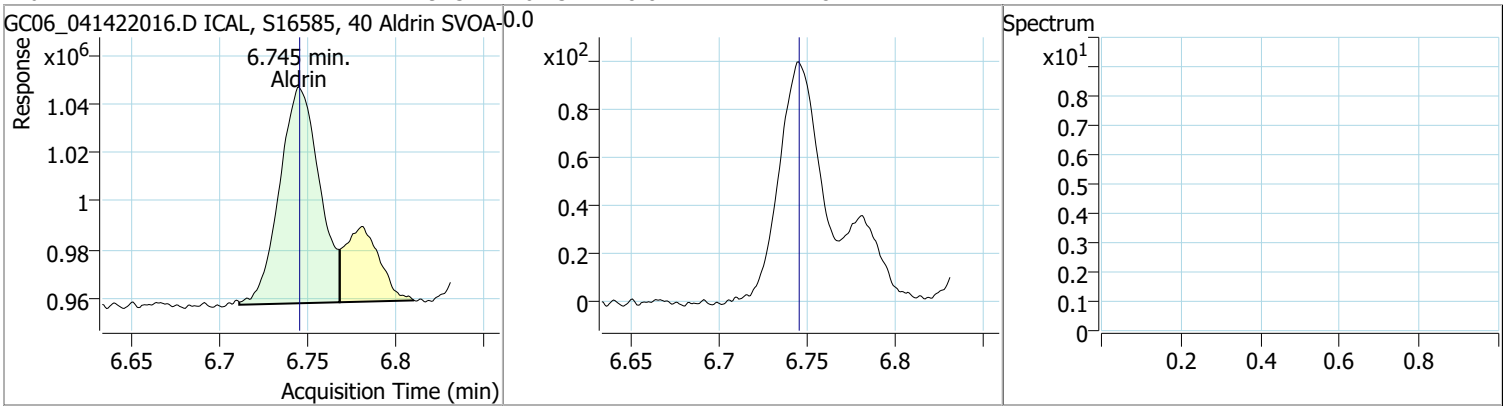
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	1.6357	6.34	0.01	603712			



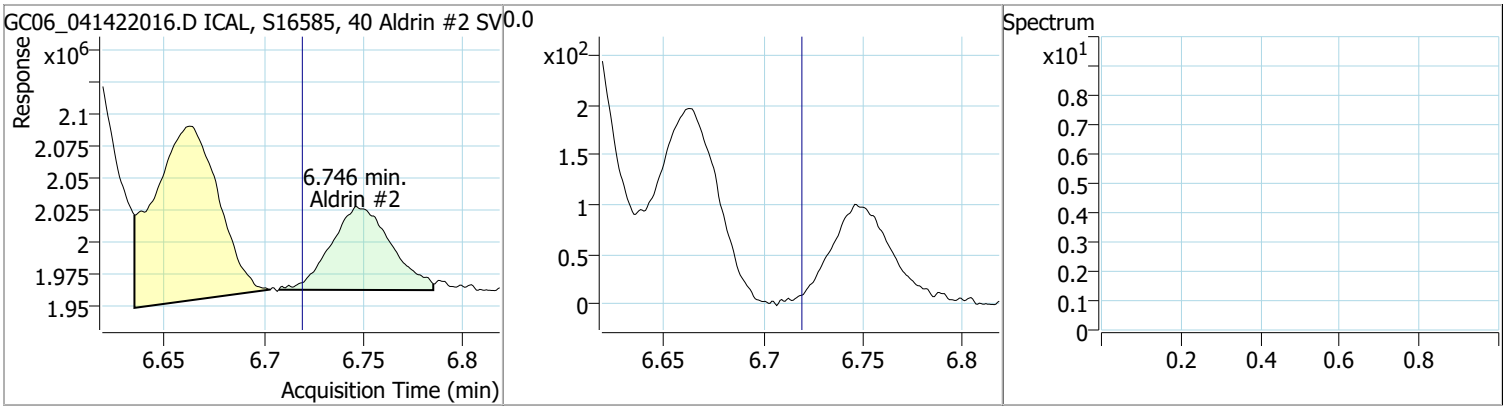
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	0.9501	6.36	0.00	88833			



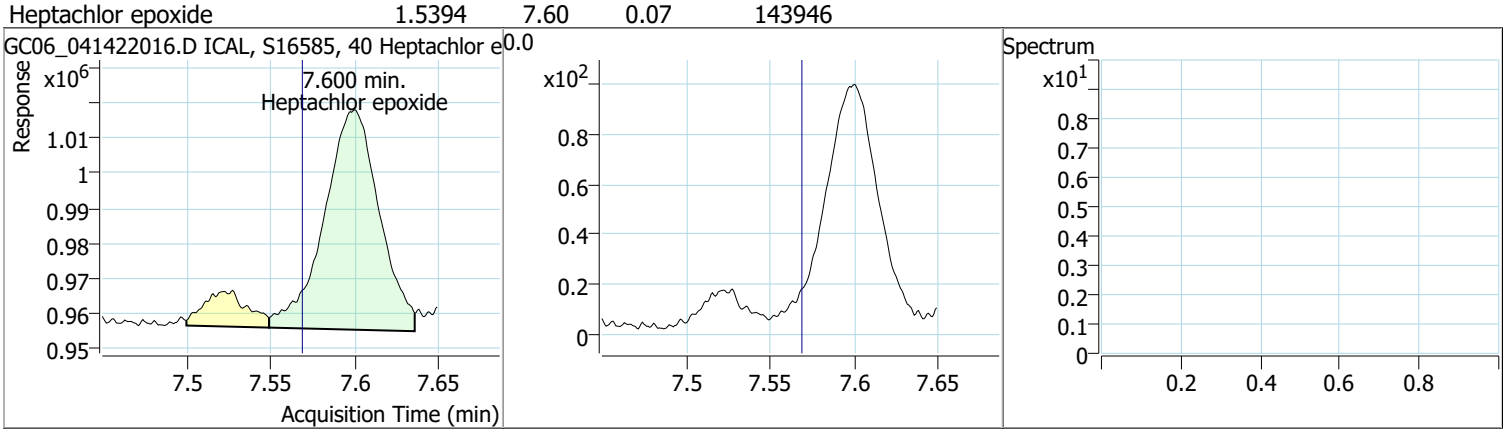
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	1.4925	6.75	0.04	142118			



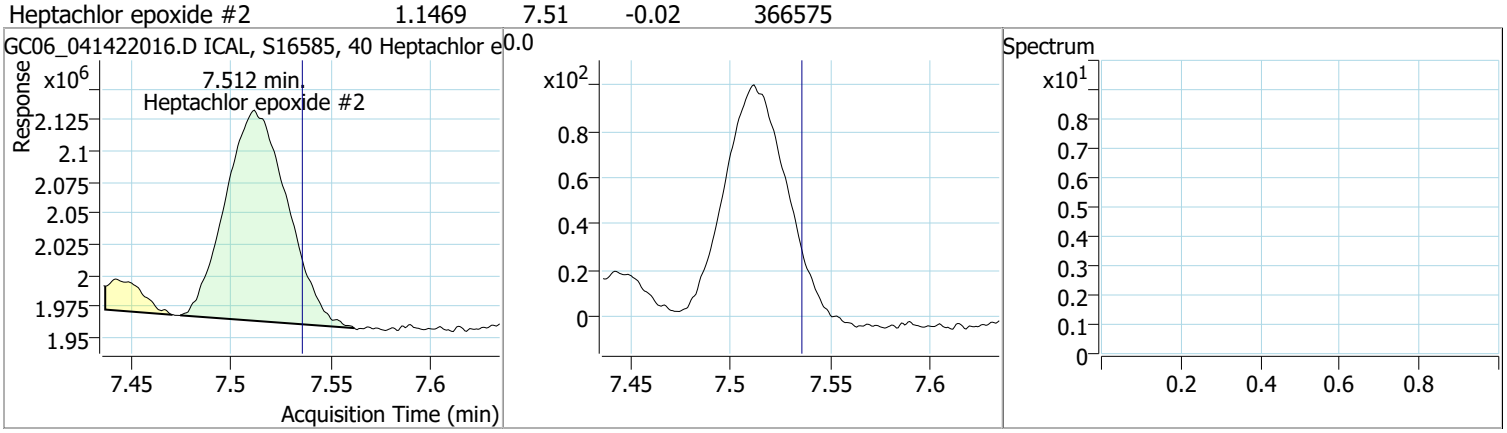
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	0.4062	6.75	0.03	137298			



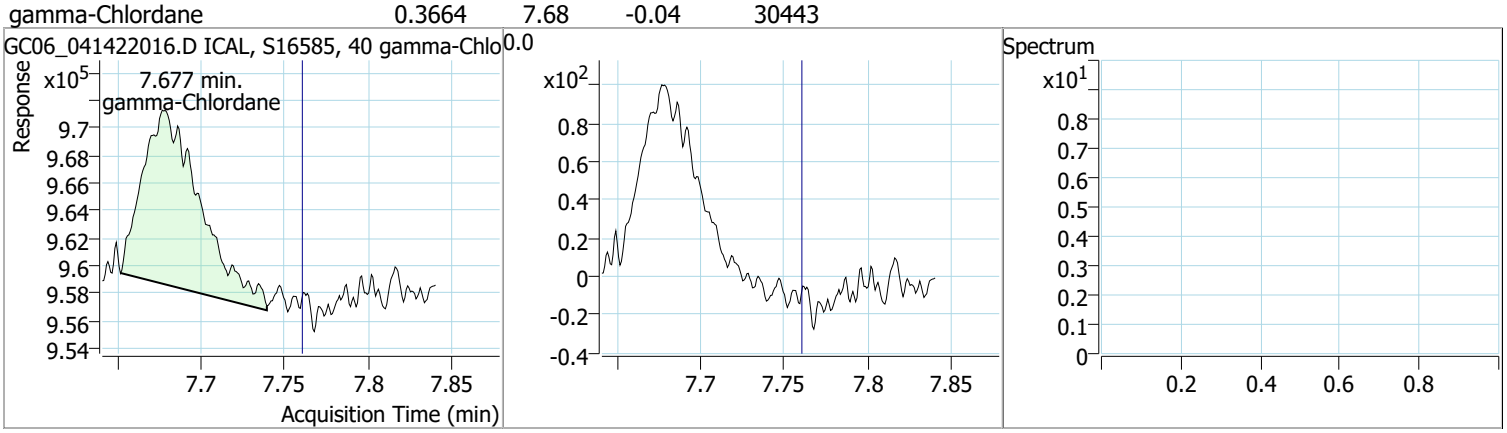
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	1.5394	7.60	0.07	143946			



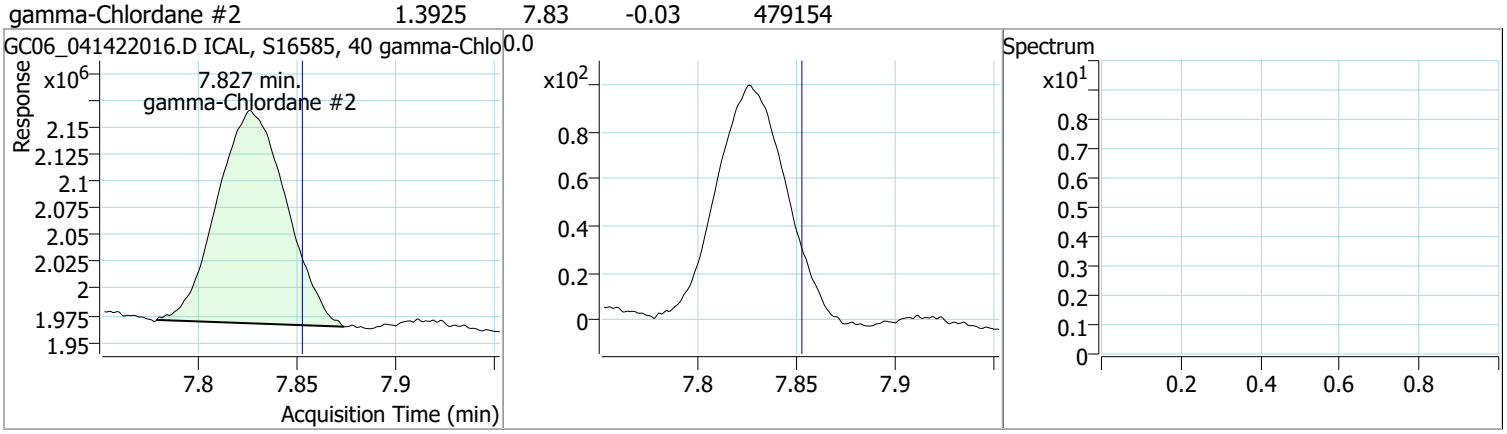
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	1.1469	7.51	-0.02	366575			



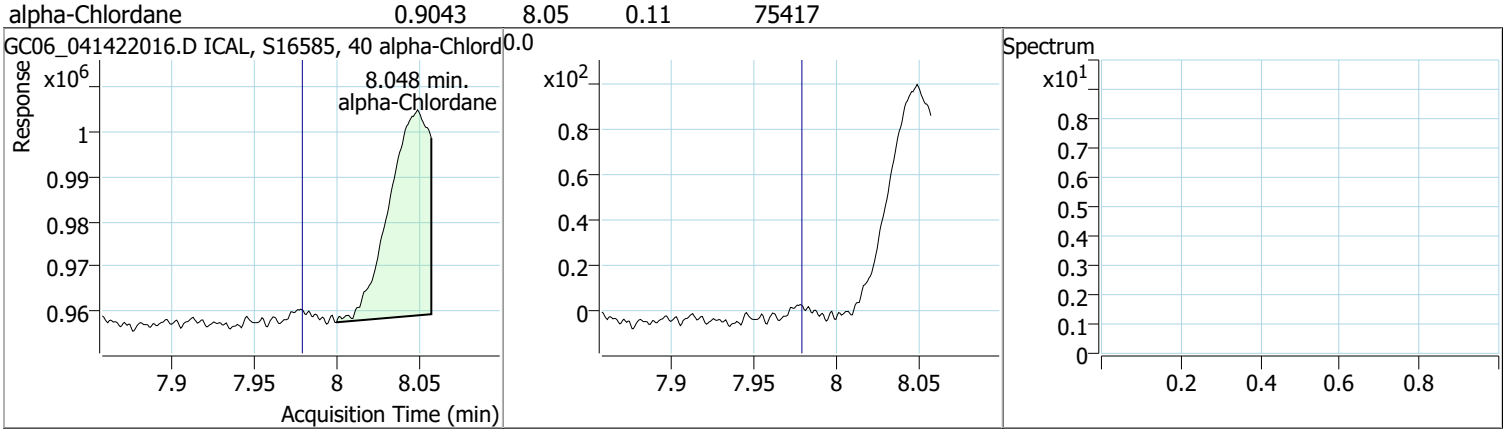
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.3664	7.68	-0.04	30443			



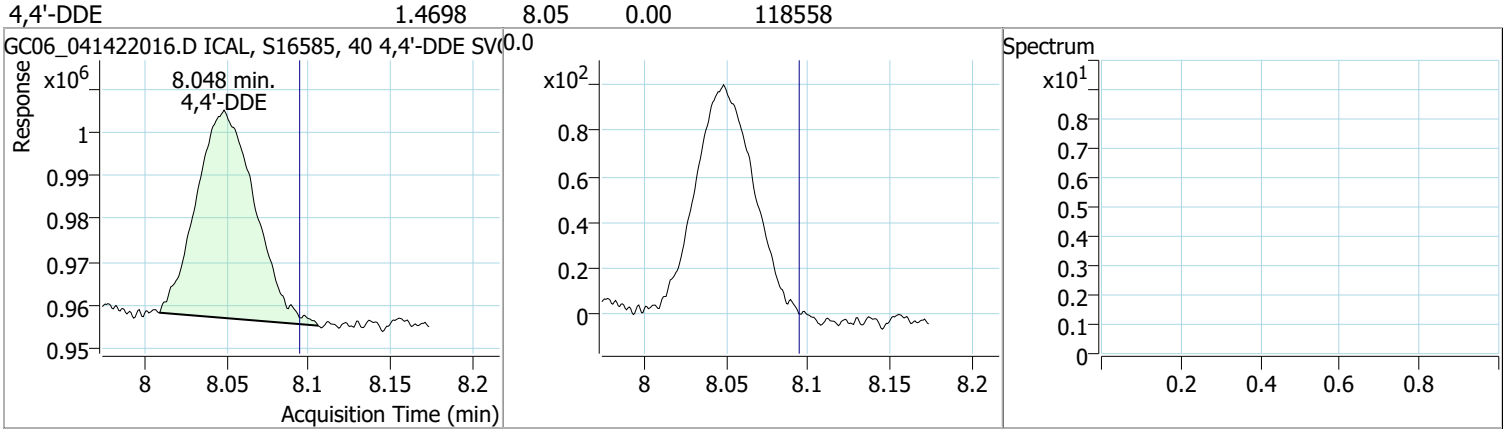
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	1.3925	7.83	-0.03	479154			



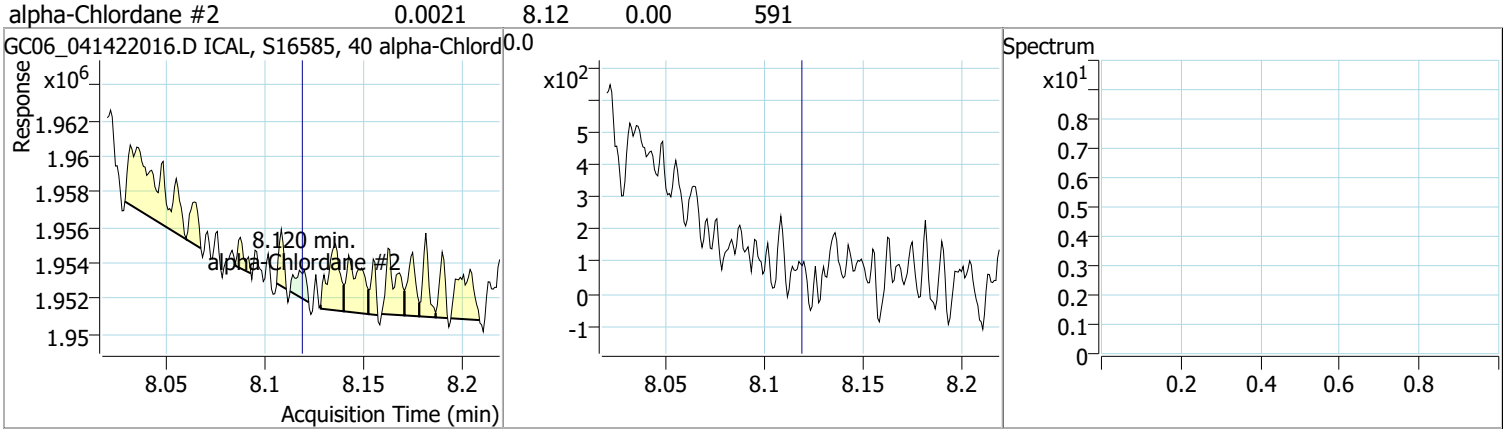
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	0.9043	8.05	0.11	75417			



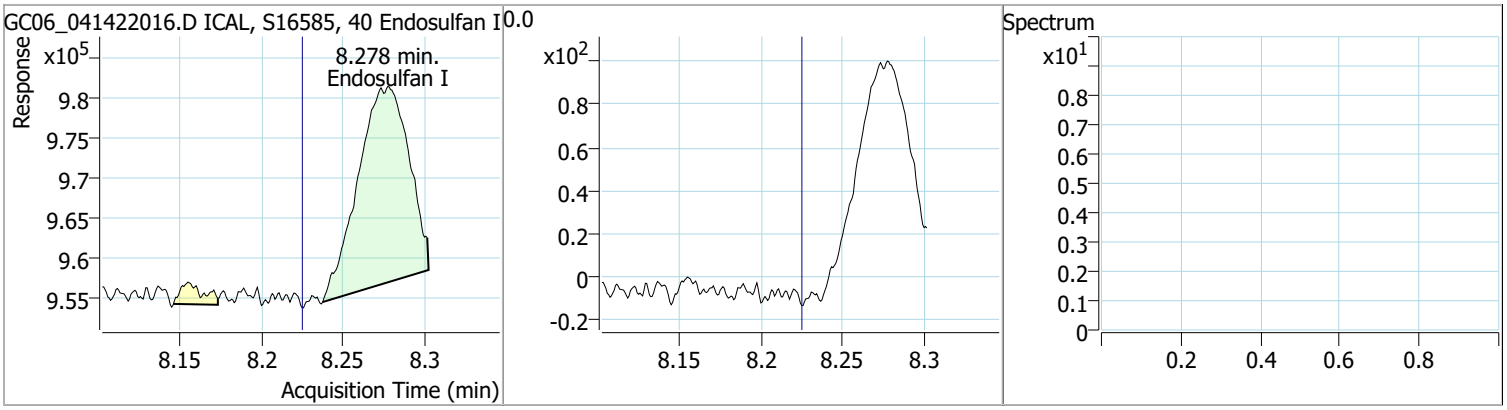
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	1.4698	8.05	0.00	118558			



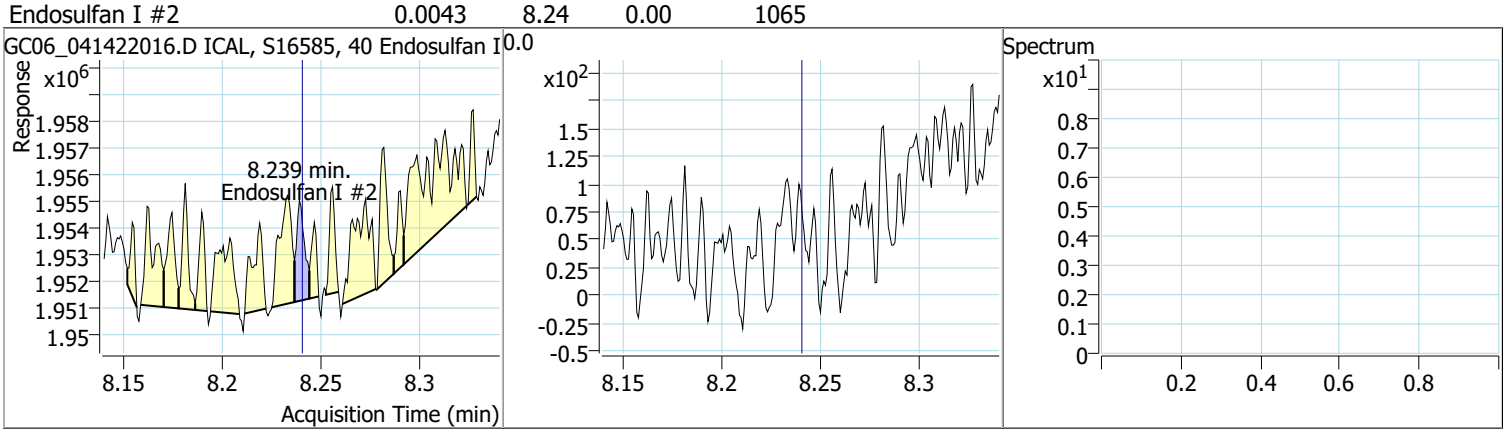
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane #2	0.0021	8.12	0.00	591			



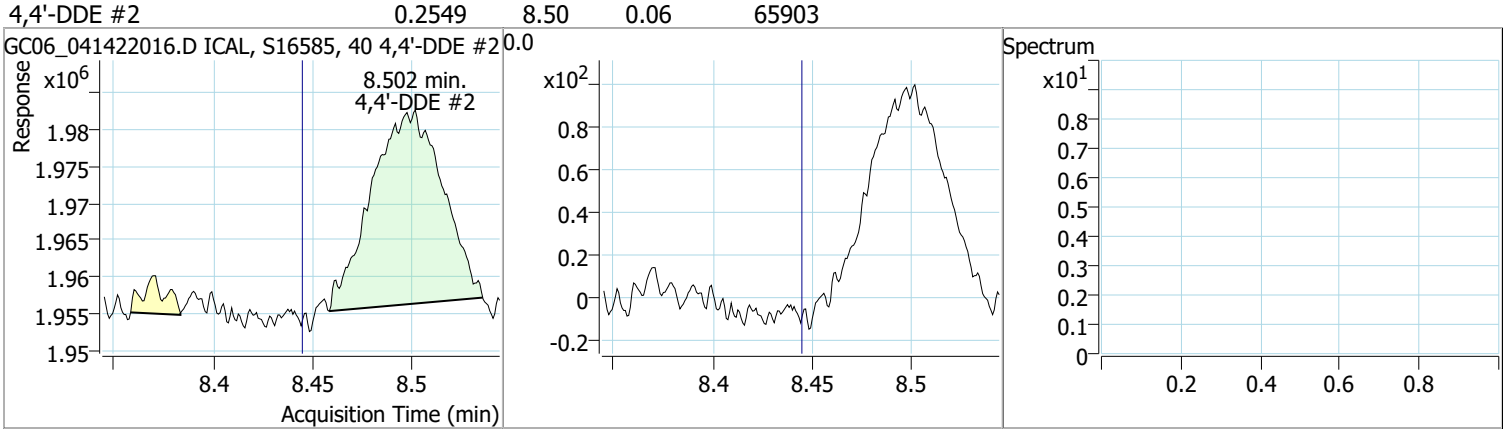
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	0.6969	8.28	0.10	52820			



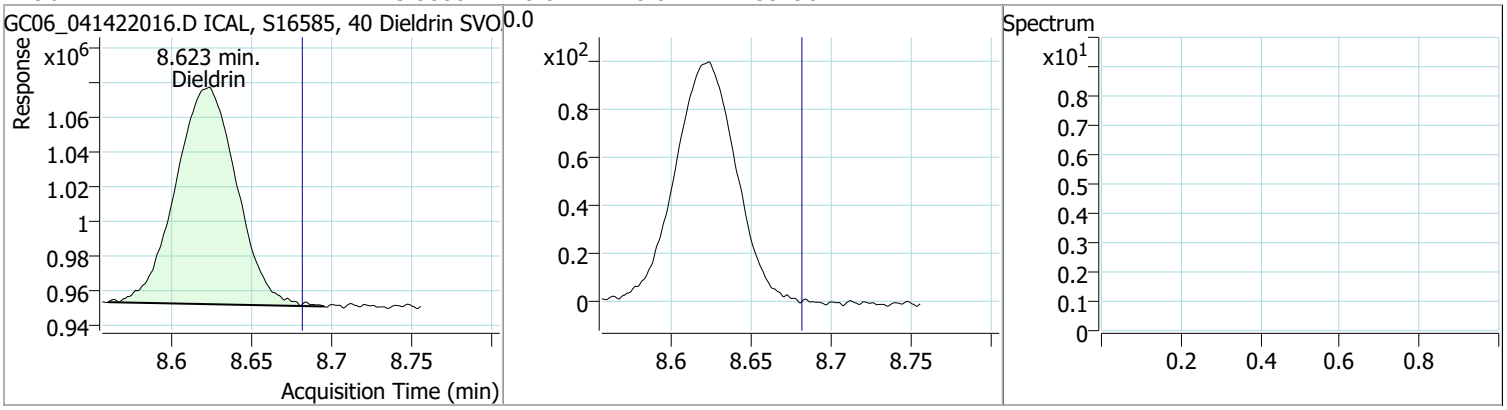
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I #2	0.0043	8.24	0.00	1065			



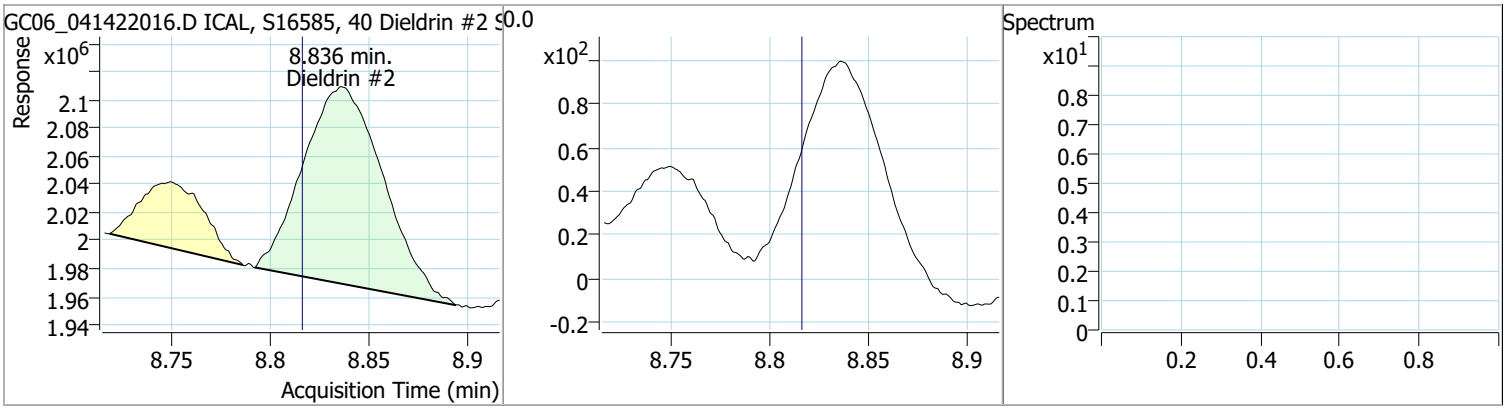
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	0.2549	8.50	0.06	65903			



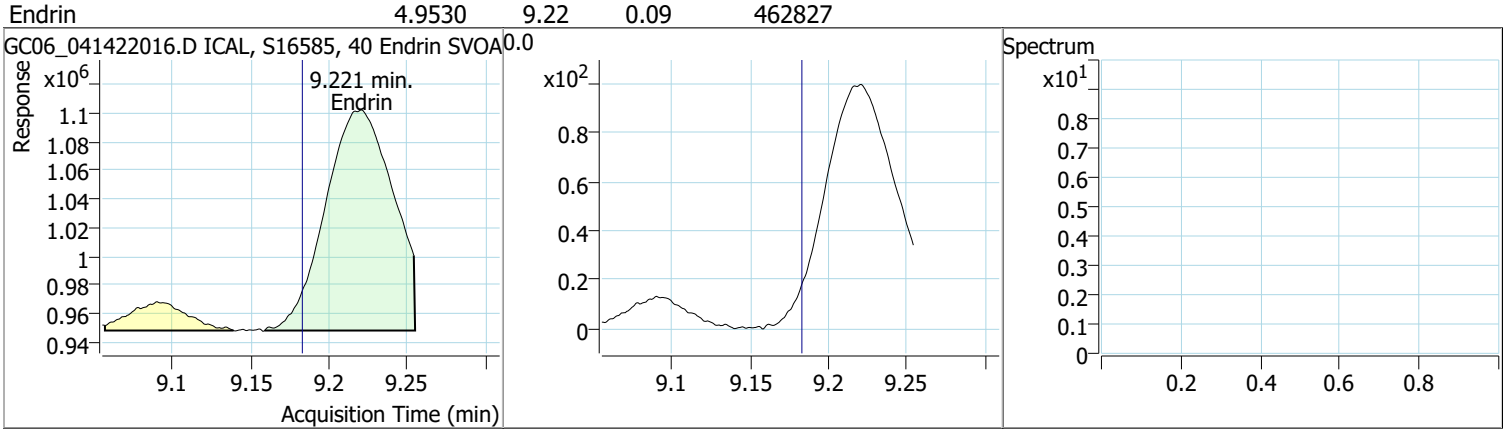
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin	3.5006	8.62	-0.01	332902			



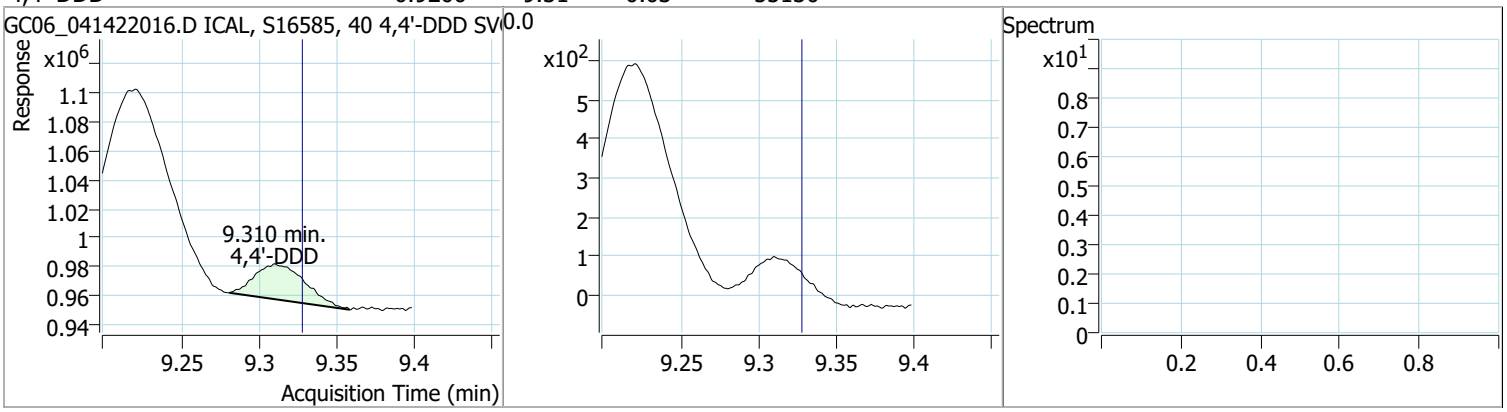
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	1.3419	8.84	0.02	394595			



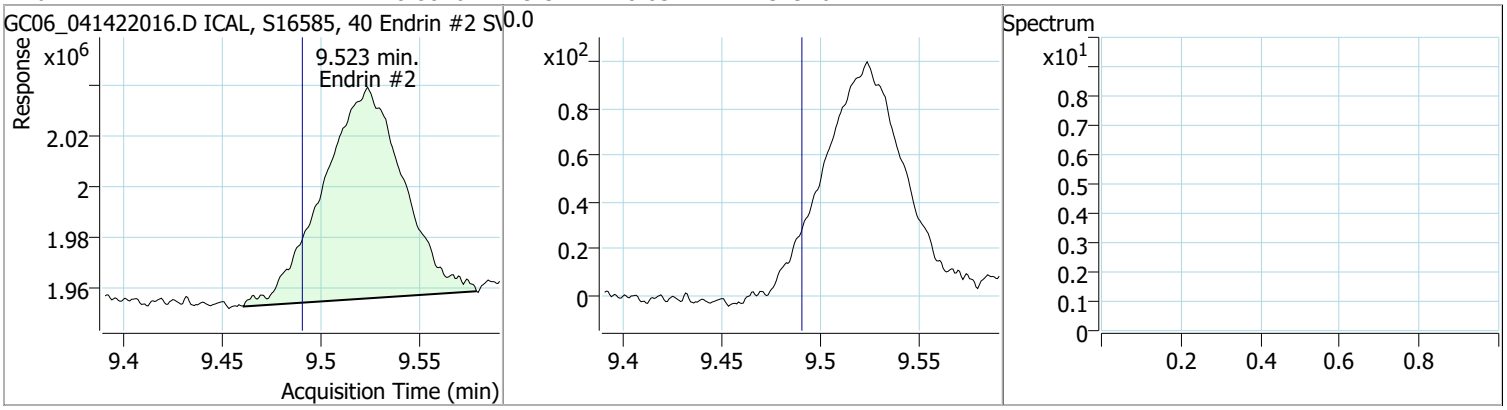
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin	4.9530	9.22	0.09	462827			



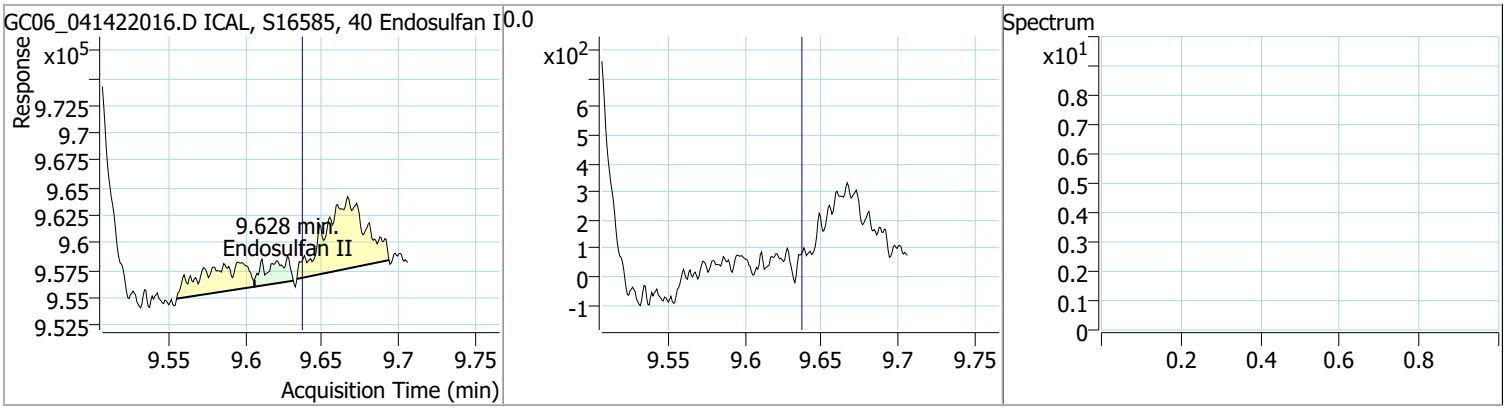
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	0.9200	9.31	0.03	55130			



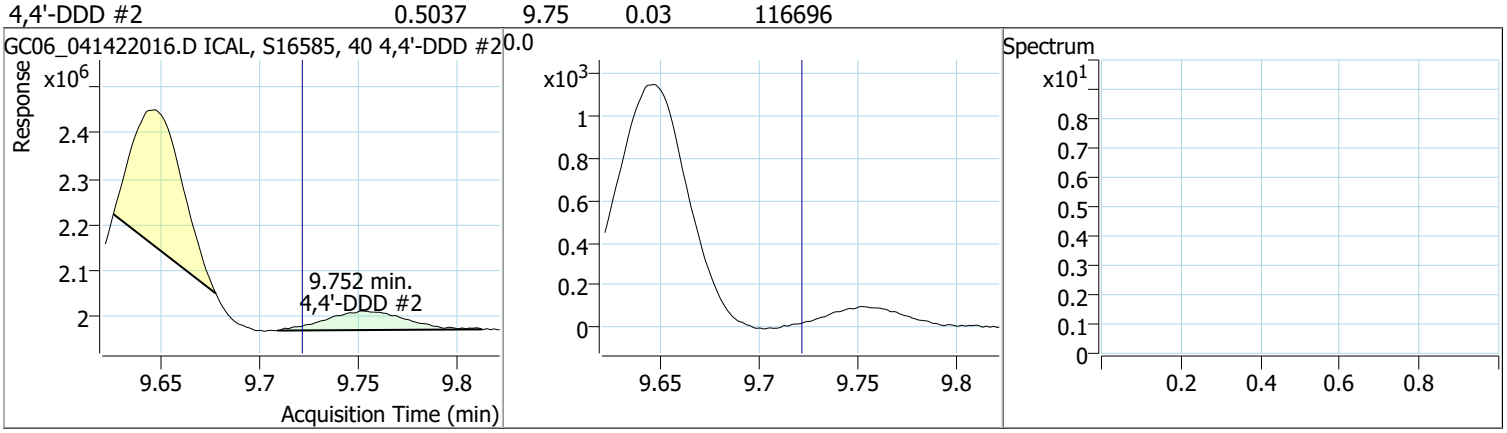
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endrin #2	0.8826	9.52	0.03	232946		



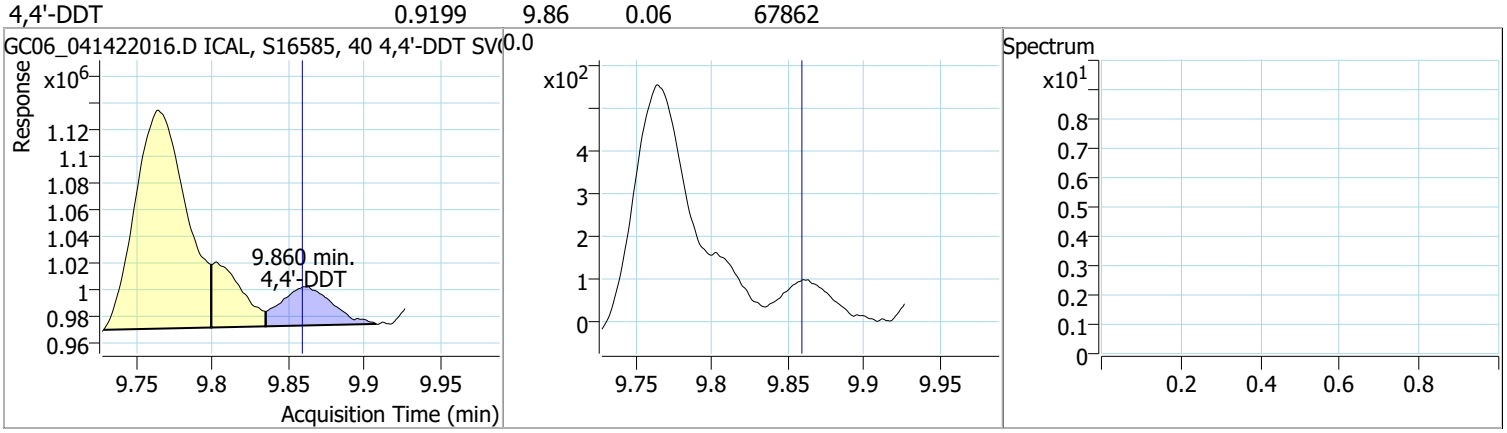
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endosulfan II	0.0277	9.63	0.04	2270		



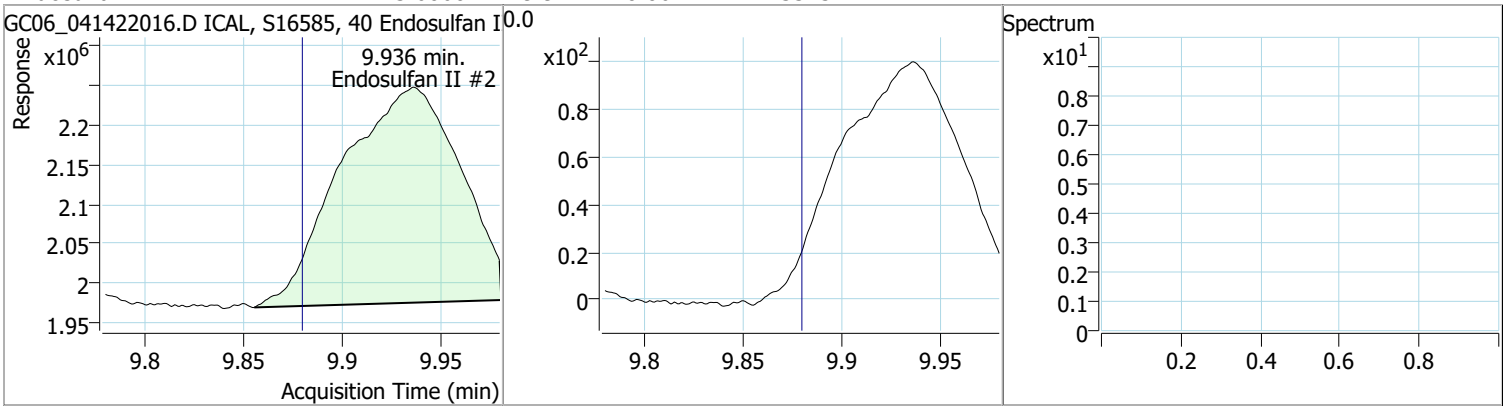
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	0.5037	9.75	0.03	116696		



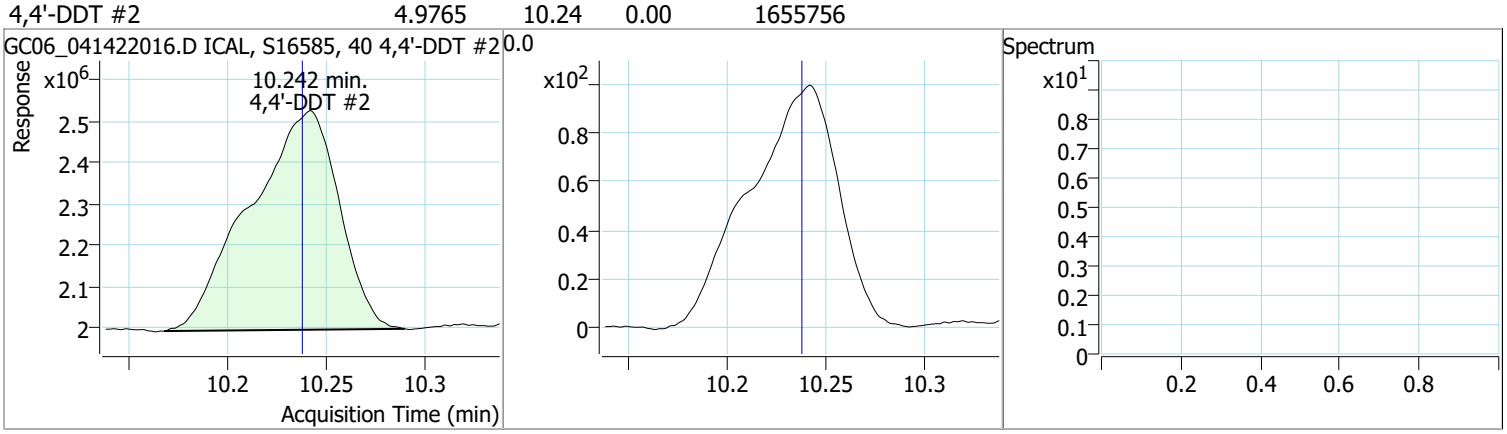
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	0.9199	9.86	0.06	67862		



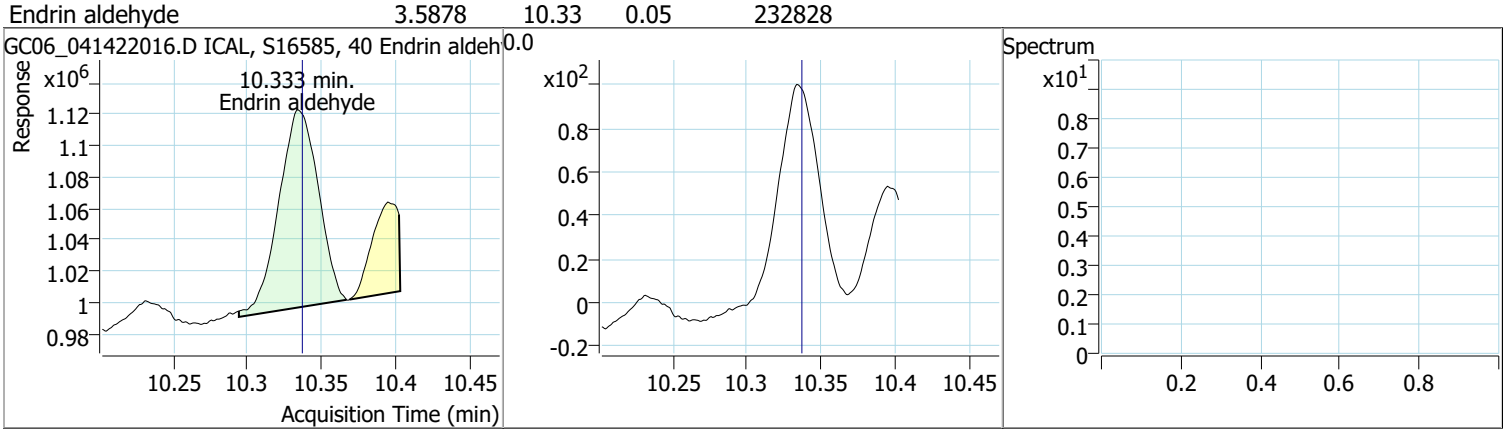
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	3.6060	9.94	0.06	1133452			



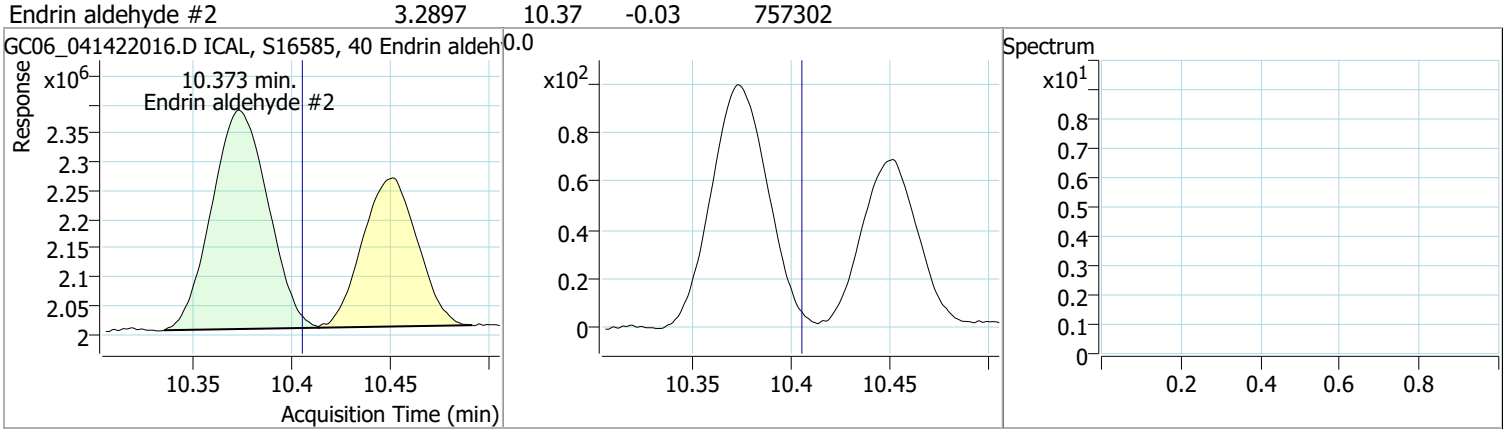
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	4.9765	10.24	0.00	1655756			



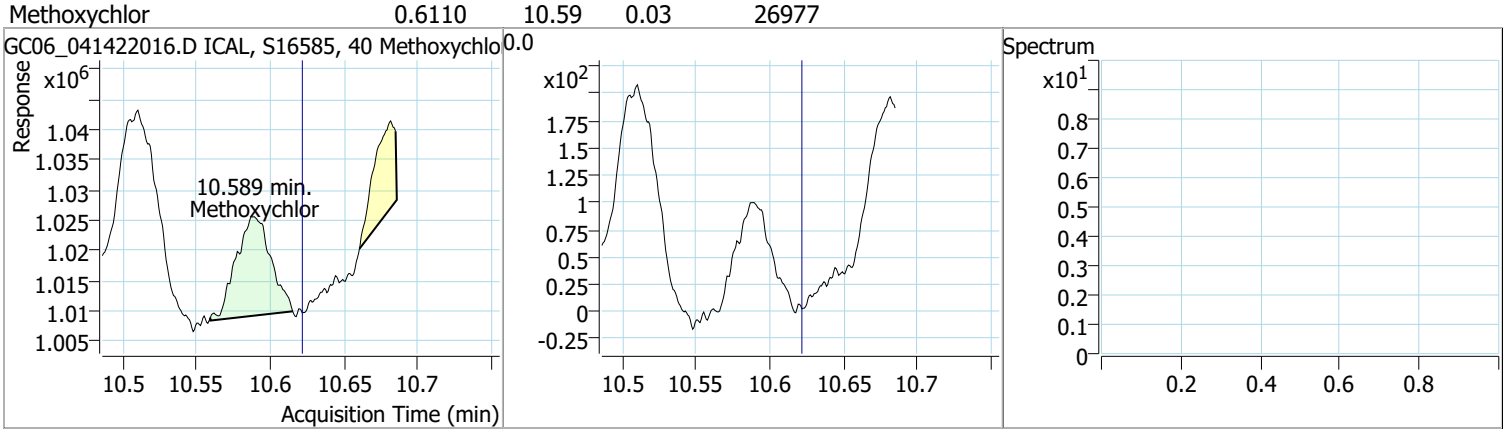
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	3.5878	10.33	0.05	232828			



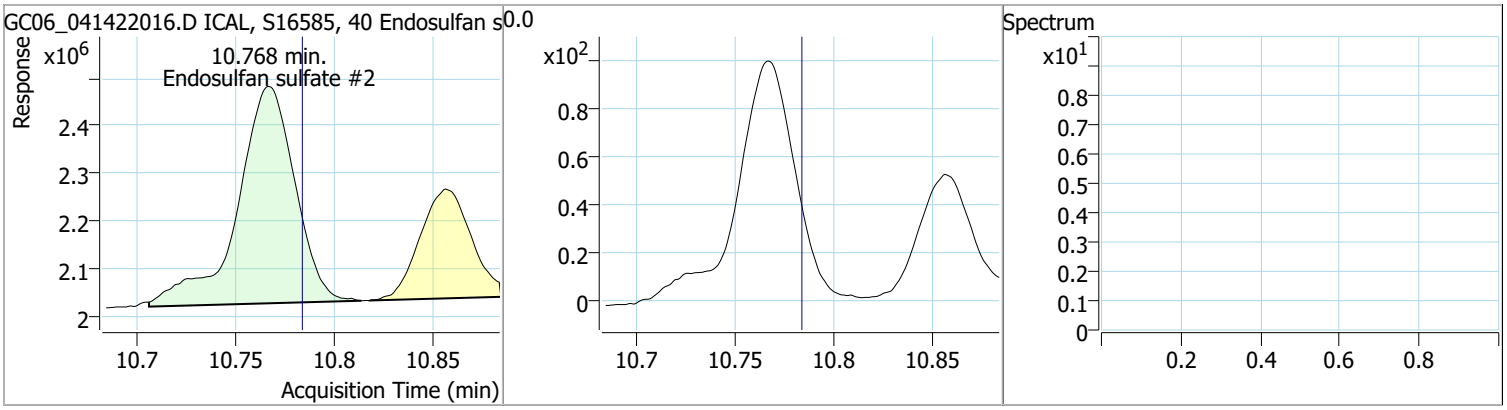
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	3.2897	10.37	-0.03	757302			



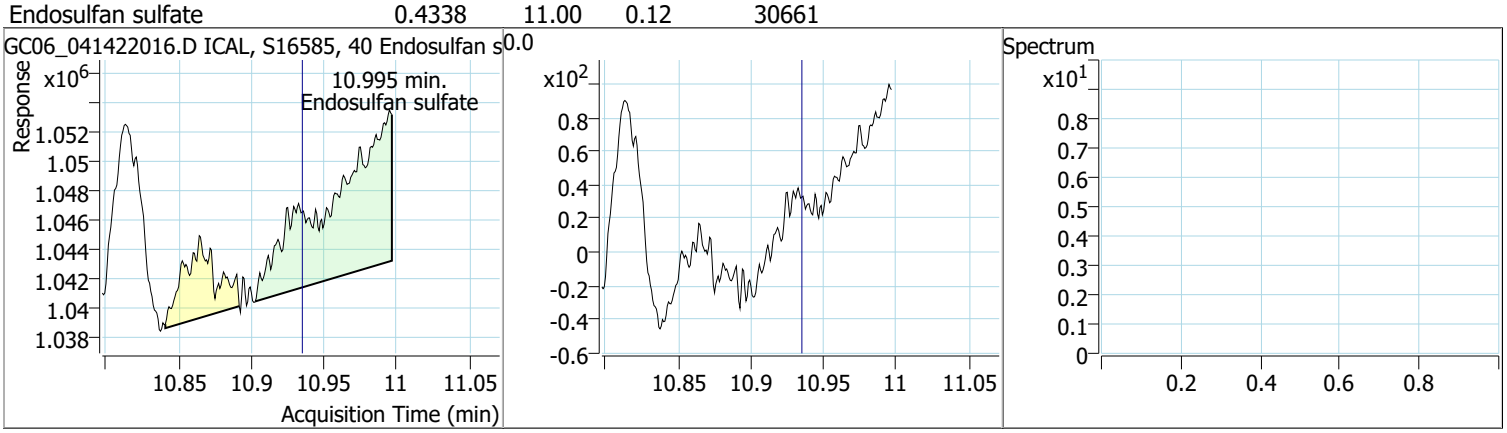
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	0.6110	10.59	0.03	26977			



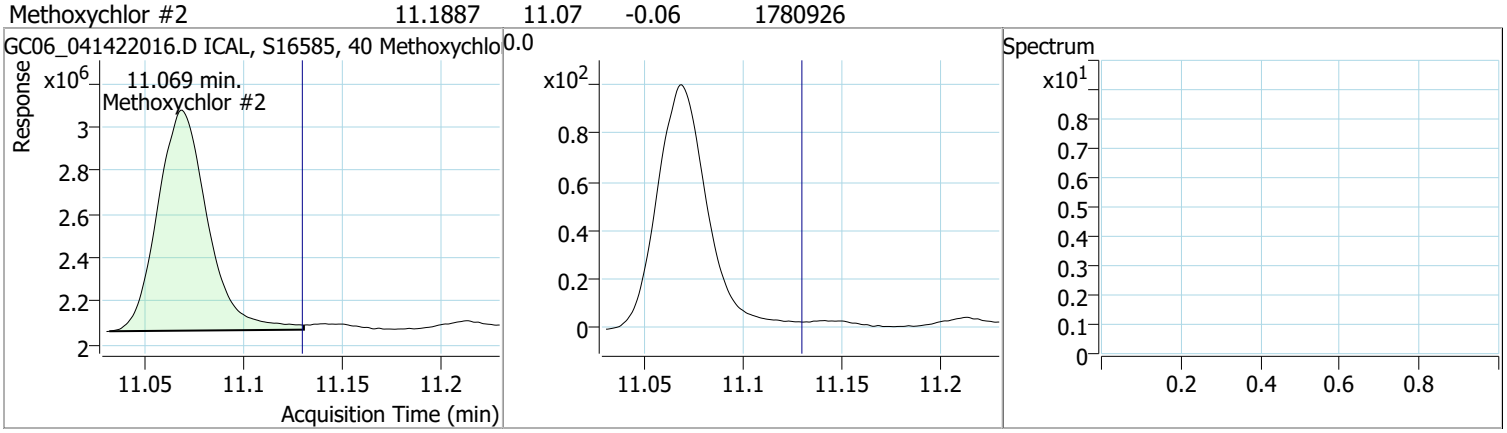
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	3.5192	10.77	-0.02	930538			



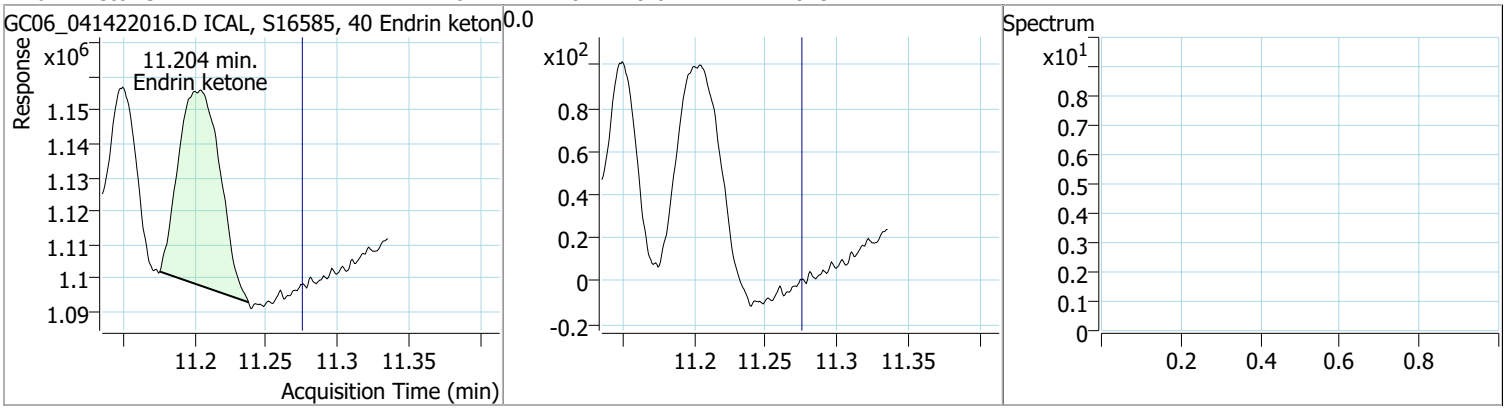
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	0.4338	11.00	0.12	30661			



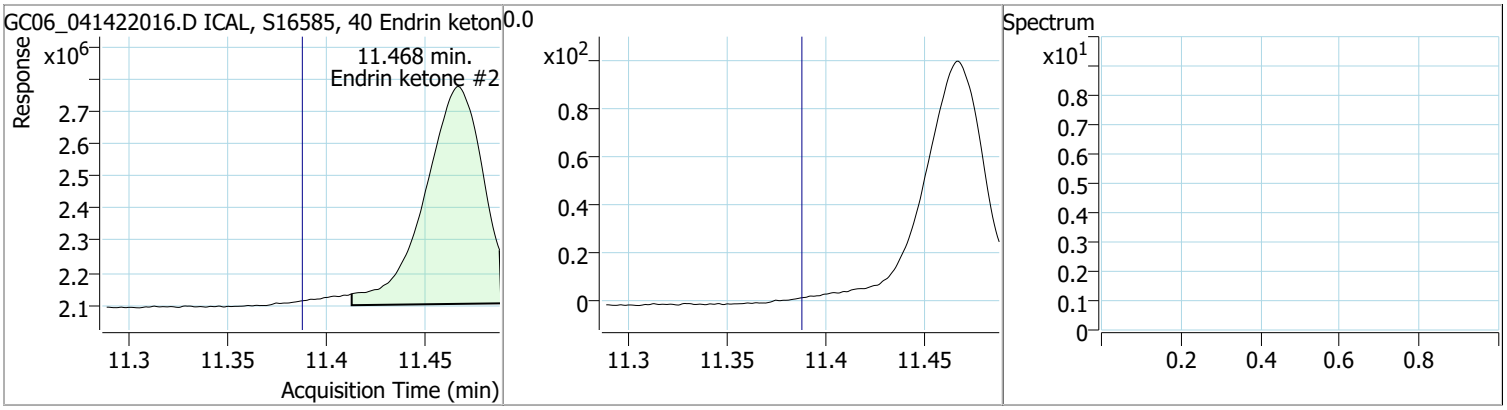
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	11.1887	11.07	-0.06	1780926			



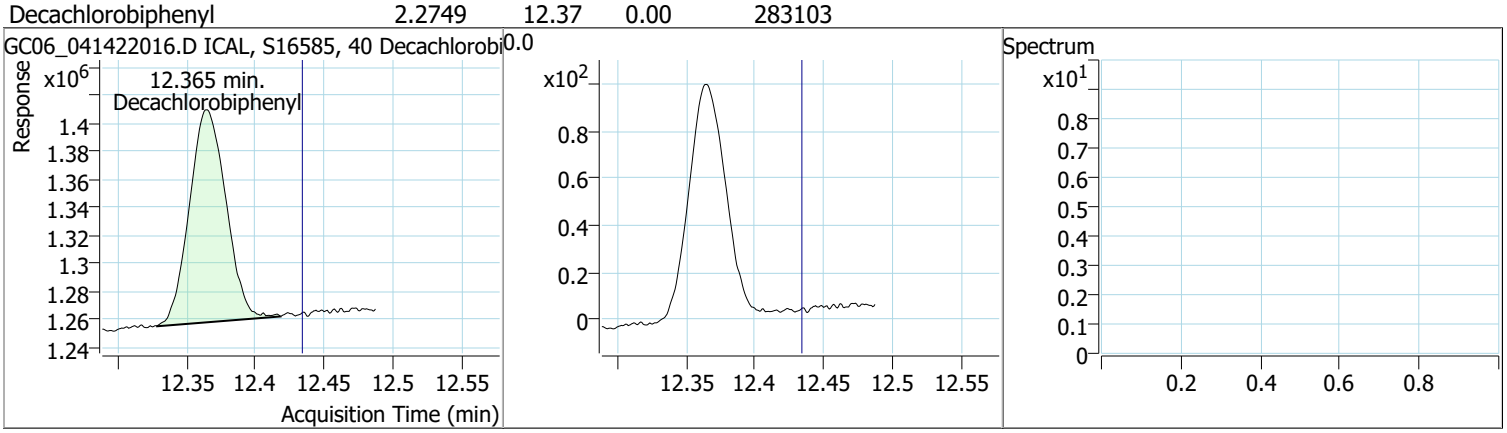
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	1.2778	11.20	-0.01	117079			



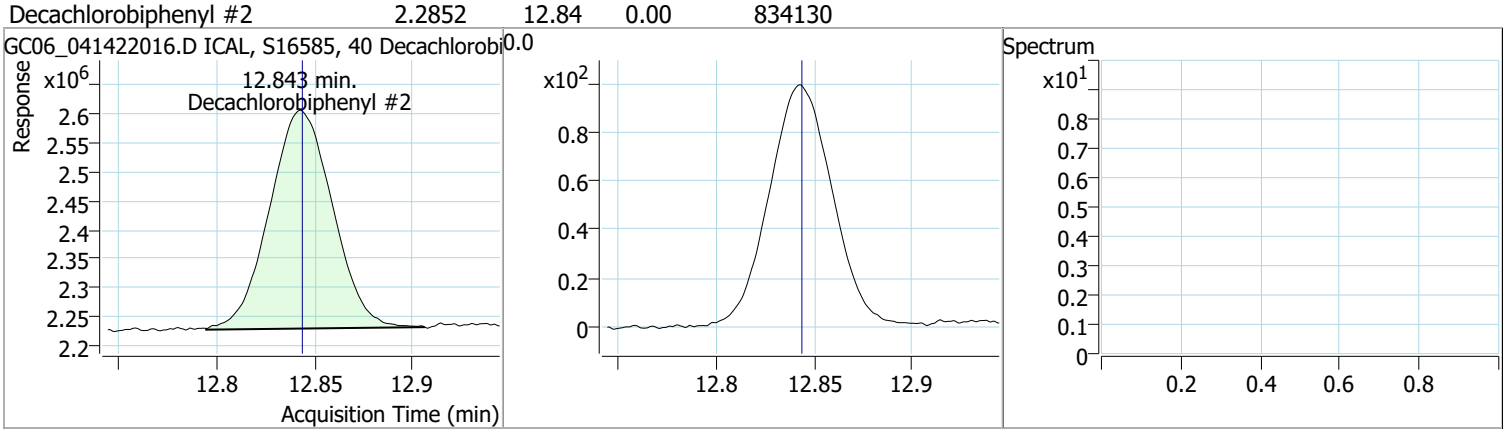
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	3.9694	11.47	0.08	1363092			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	2.2749	12.37	0.00	283103			

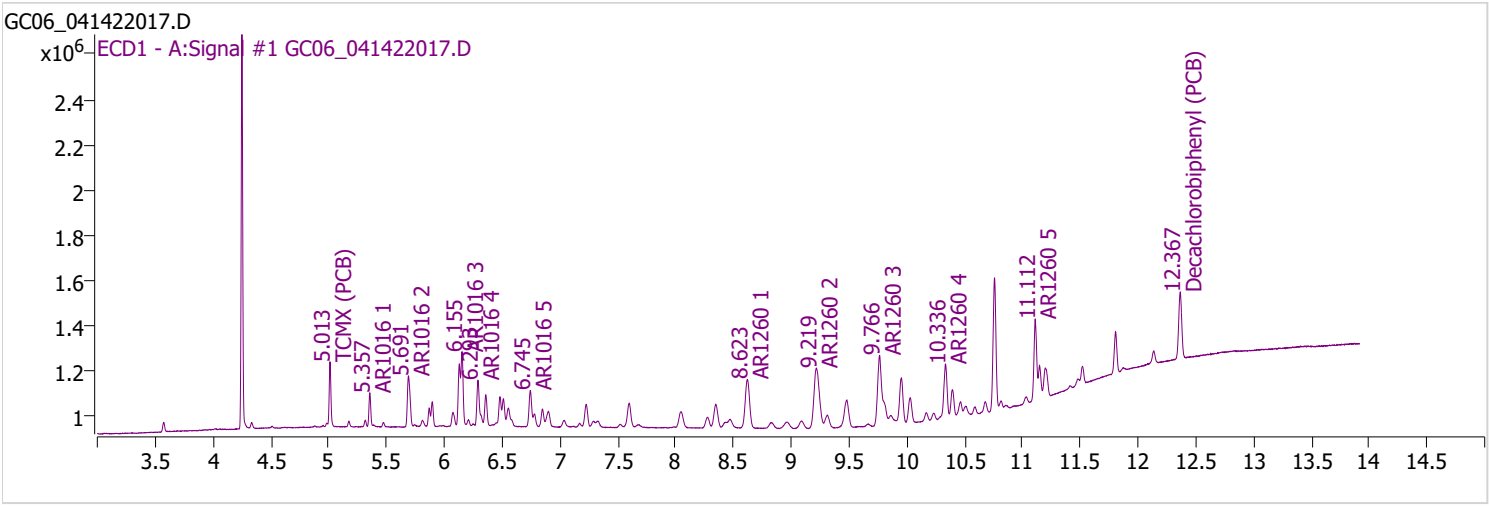


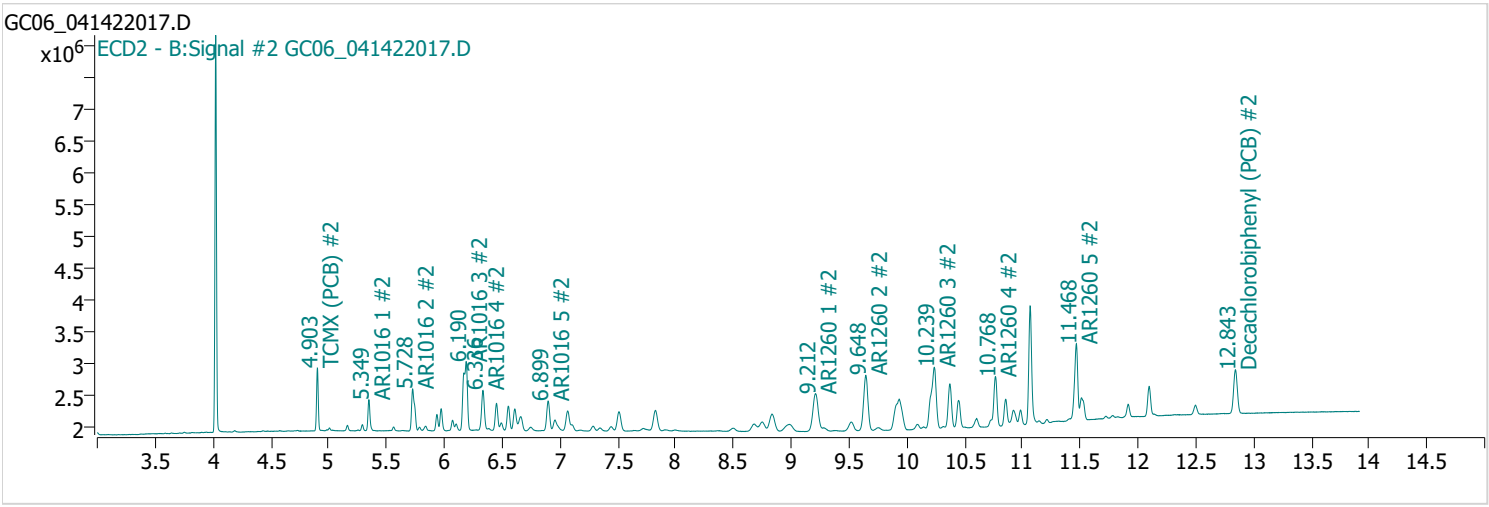
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	2.2852	12.84	0.00	834130			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422017.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 7:16:29 PM
Sample Name	ICAL, S16585, 20	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 113	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



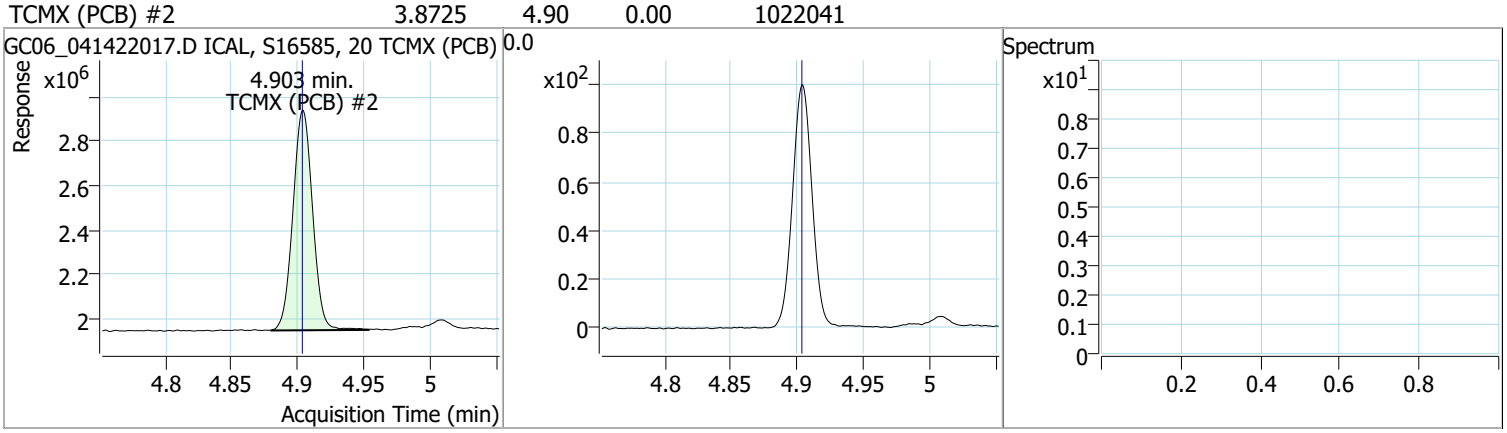


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.251	4.024	1622170	5762030	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.013	4.903	308043	1022041	3.948	3.873	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	19.74% *	19.36% *	
S Decachlorobiphenyl (PCB)	12.367	12.843	558001	1575553	4.524	4.531	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	22.62% *	22.66% *	
Target Compounds							
T AR1016 1	5.357	5.349	169121	620281	106.582	114.953	ng/ml
T AR1016 2	5.691	5.728	372547	1226965	107.829	109.570	ng/ml
T AR1016 3	6.155	6.190	432600	1559397 m	106.390	105.594	ng/ml
T AR1016 4	6.293	6.336	327124	1069117	107.505	106.708	ng/ml
T AR1016 5	6.745	6.899	257542	834356	109.416	106.516	ng/ml
T AR1260 1	8.623	9.212	571288	1942370	111.907	111.379	ng/ml
T AR1260 2	9.219	9.648	876378	2239752	111.457	111.151	ng/ml
T AR1260 3	9.766	10.239	880788	2981275	107.754	108.897	ng/ml
T AR1260 4	10.336	10.768	442513	1604425	108.854	108.304	ng/ml

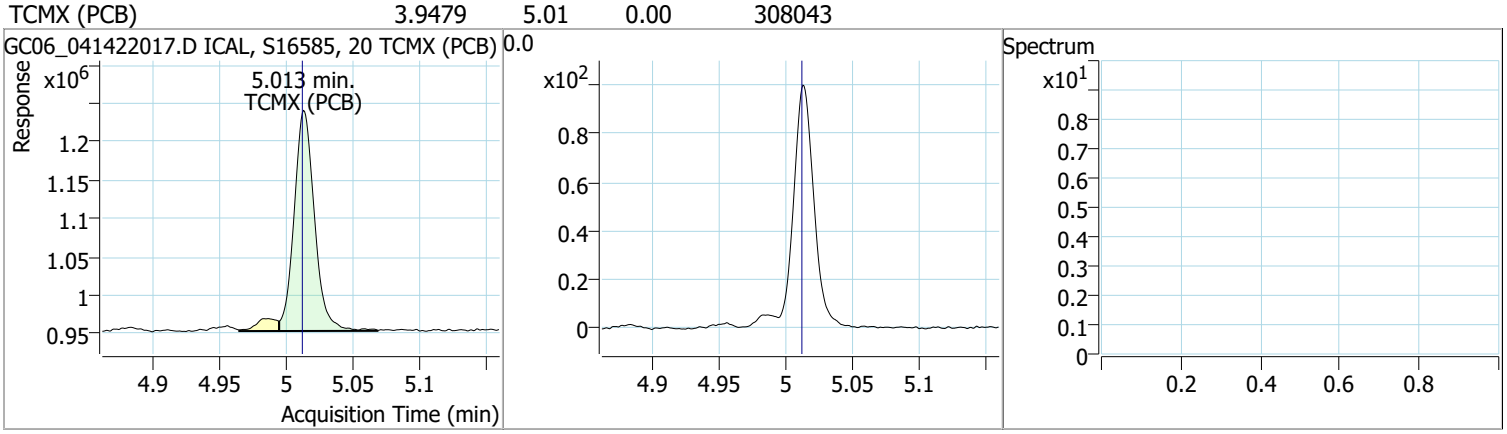
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.112	11.468	587244	2400549	109.144	109.910	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

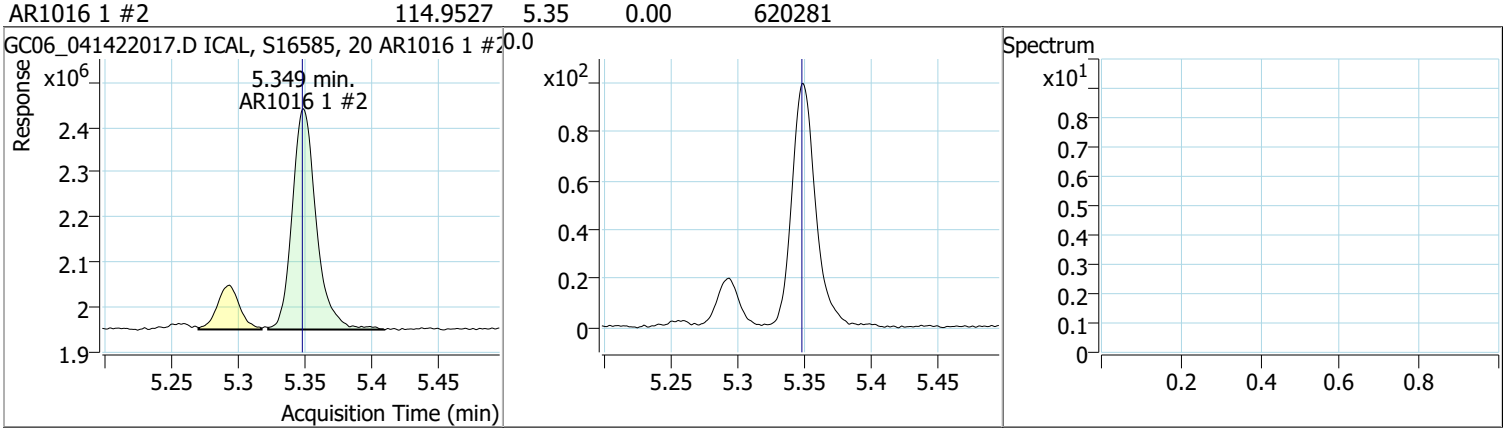
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	3.8725	4.90	0.00	1022041			



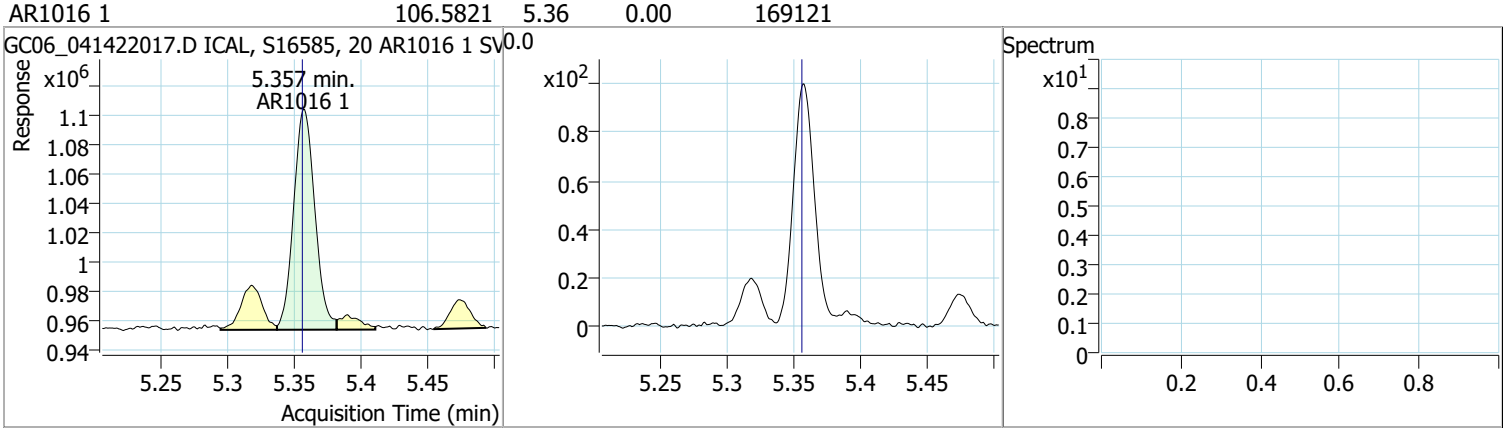
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	3.9479	5.01	0.00	308043			



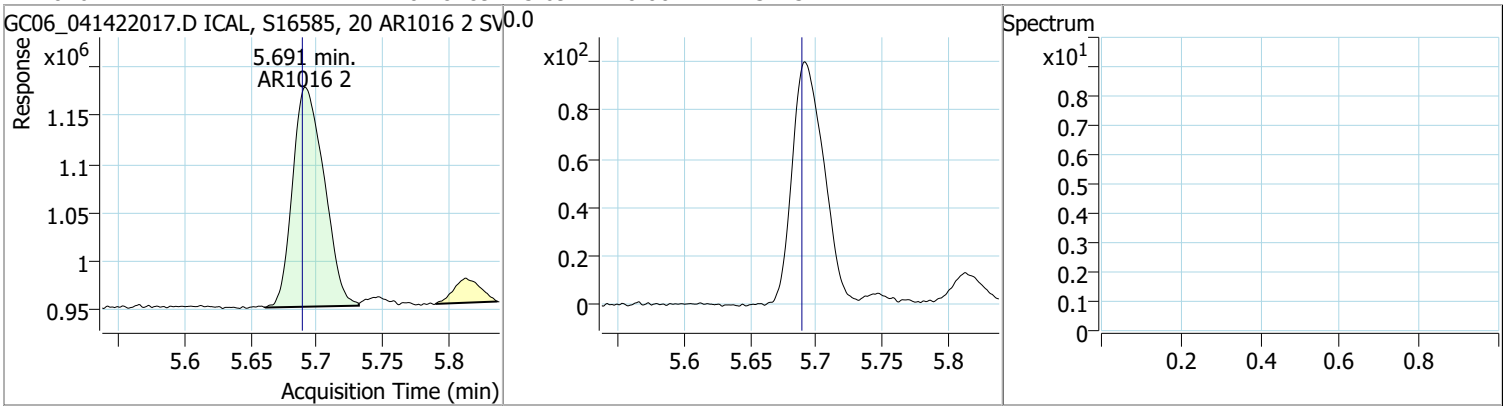
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	114.9527	5.35	0.00	620281			



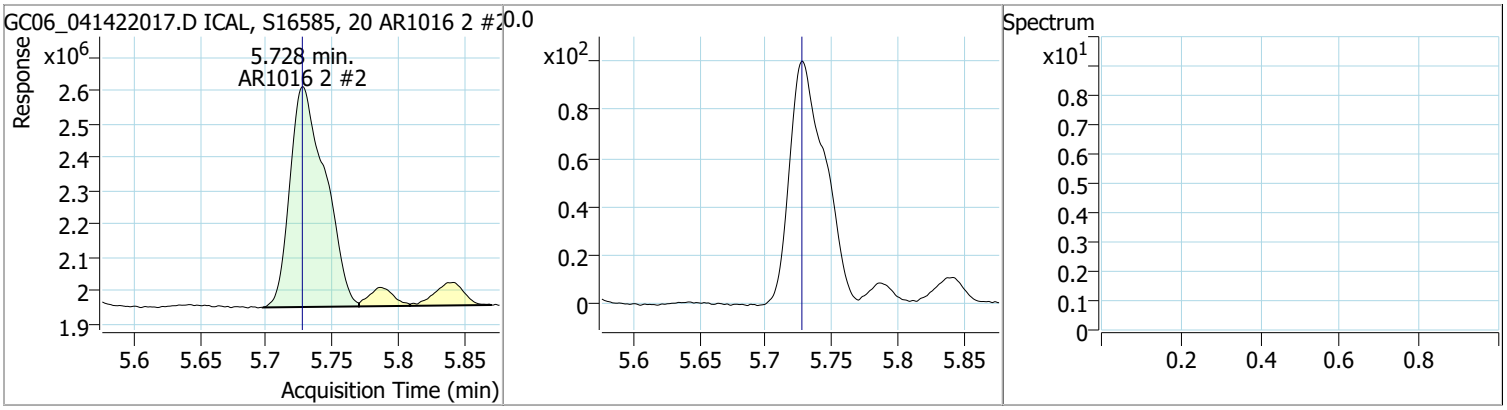
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	106.5821	5.36	0.00	169121			



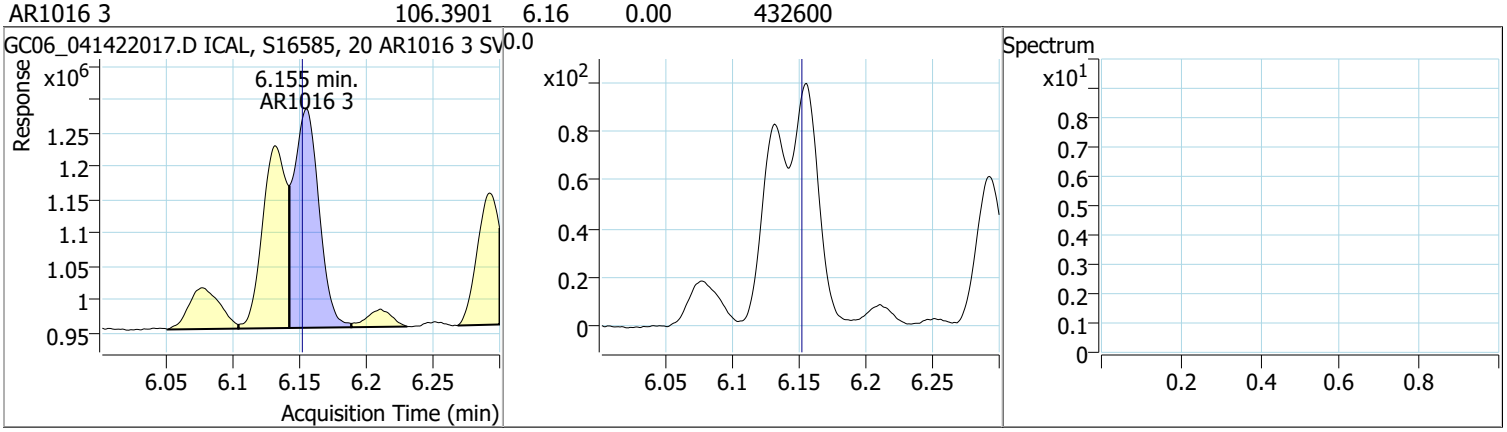
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	107.8289	5.69	0.00	372547			



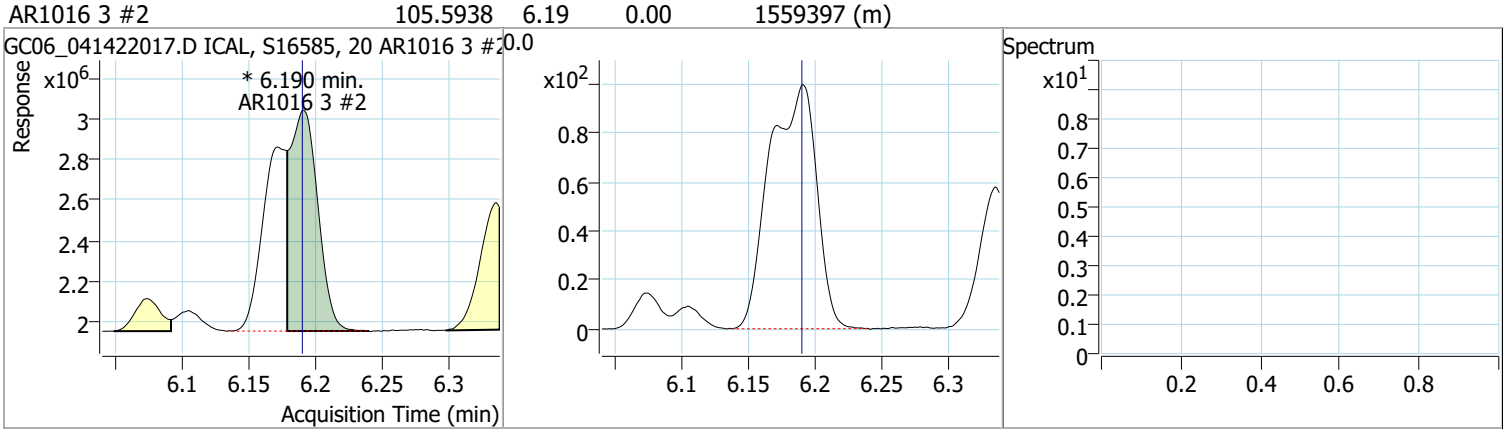
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	109.5703	5.73	0.00	1226965			



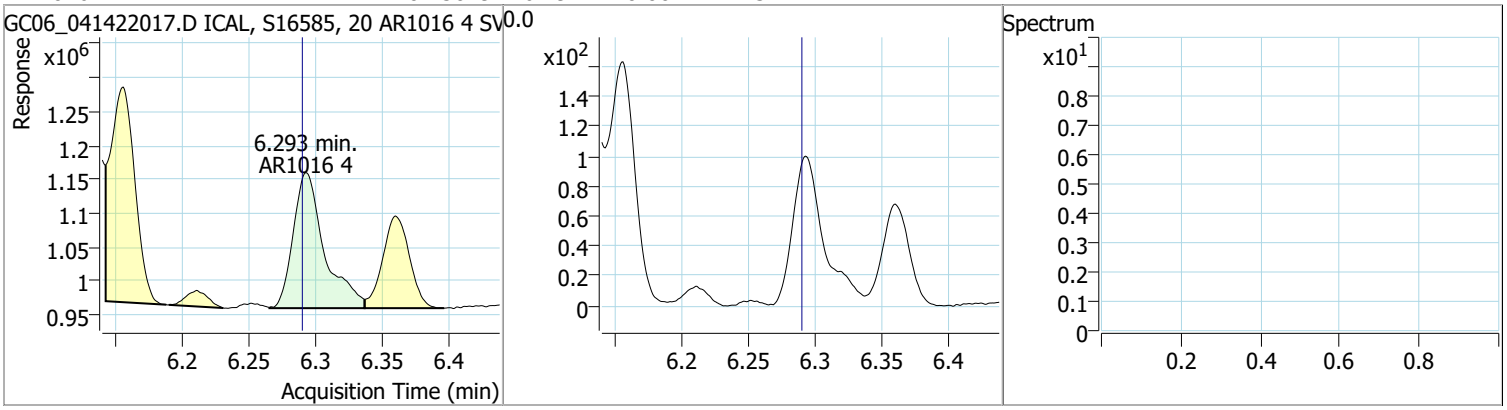
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	106.3901	6.16	0.00	432600			



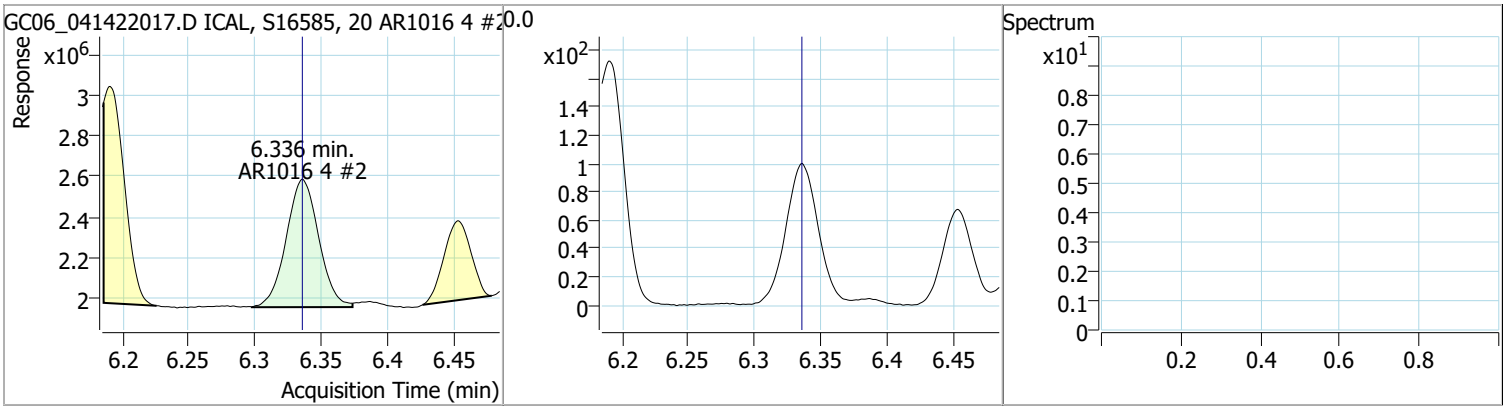
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	105.5938	6.19	0.00	1559397 (m)			



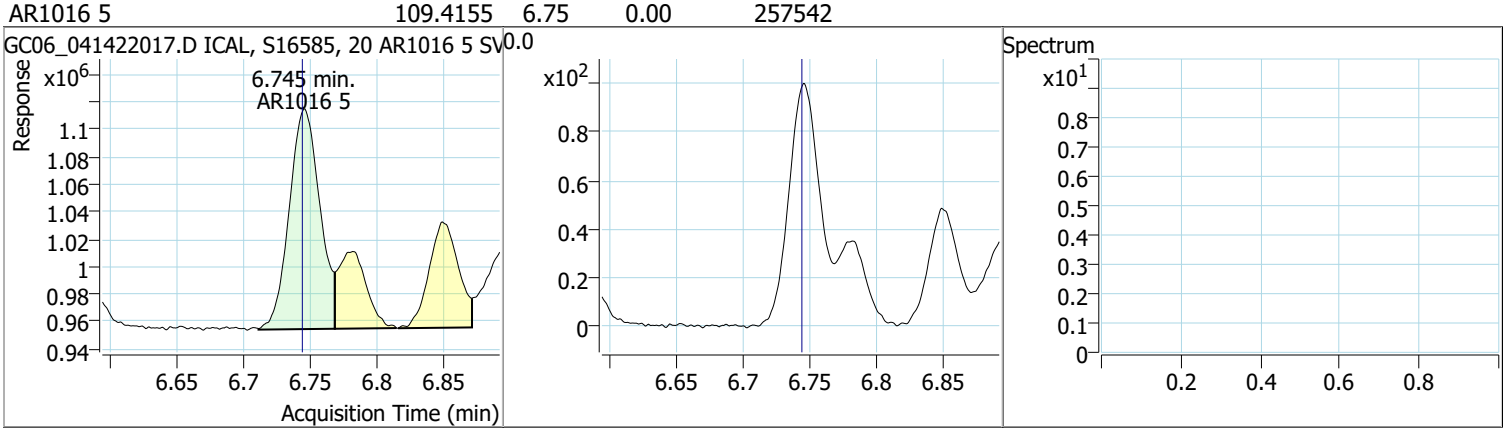
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	107.5049	6.29	0.00	327124			



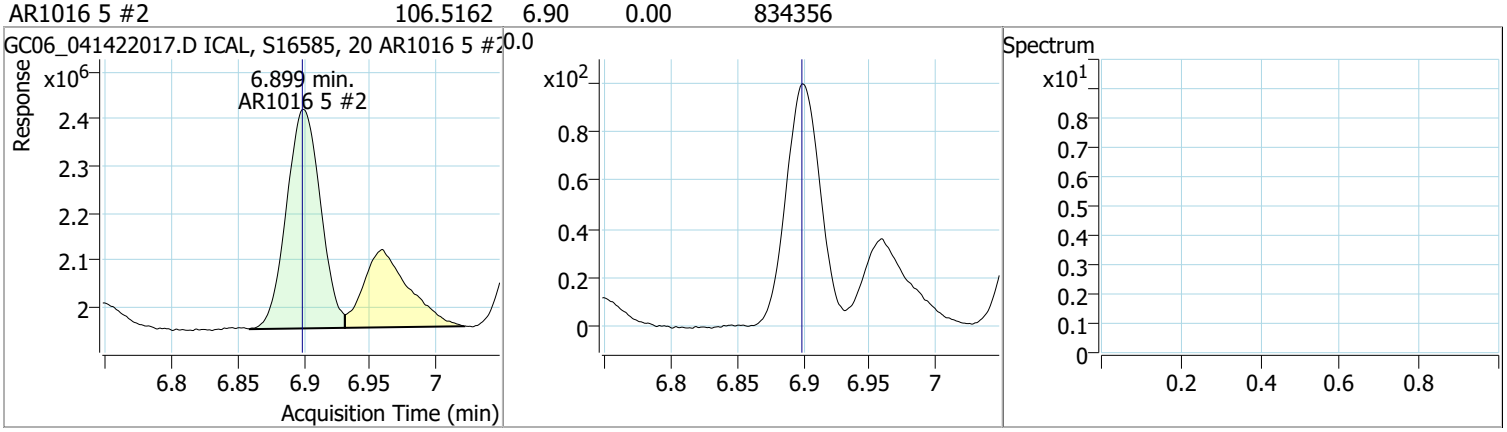
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	106.7085	6.34	0.00	1069117			



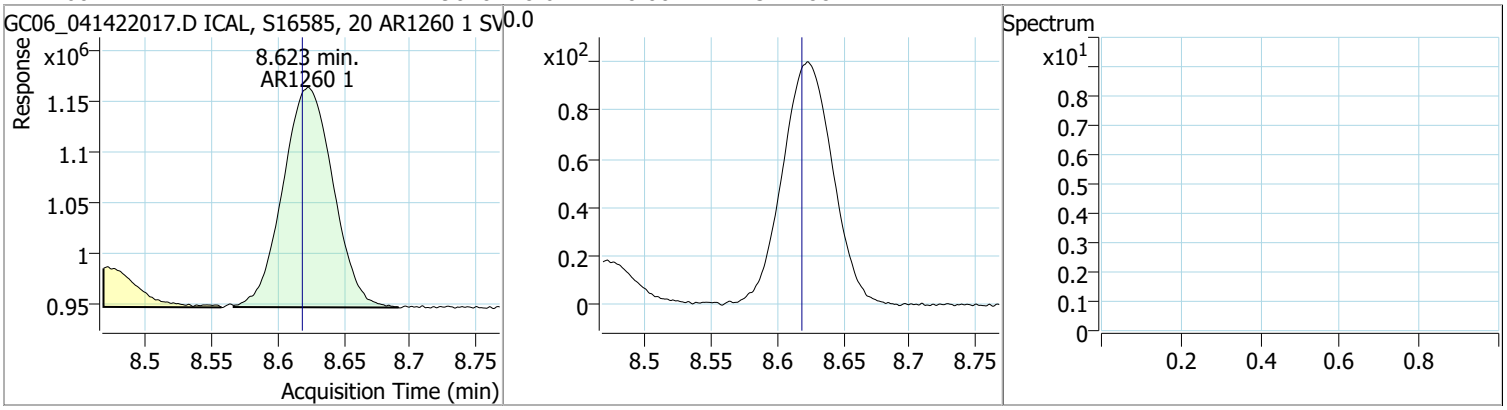
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	109.4155	6.75	0.00	257542			



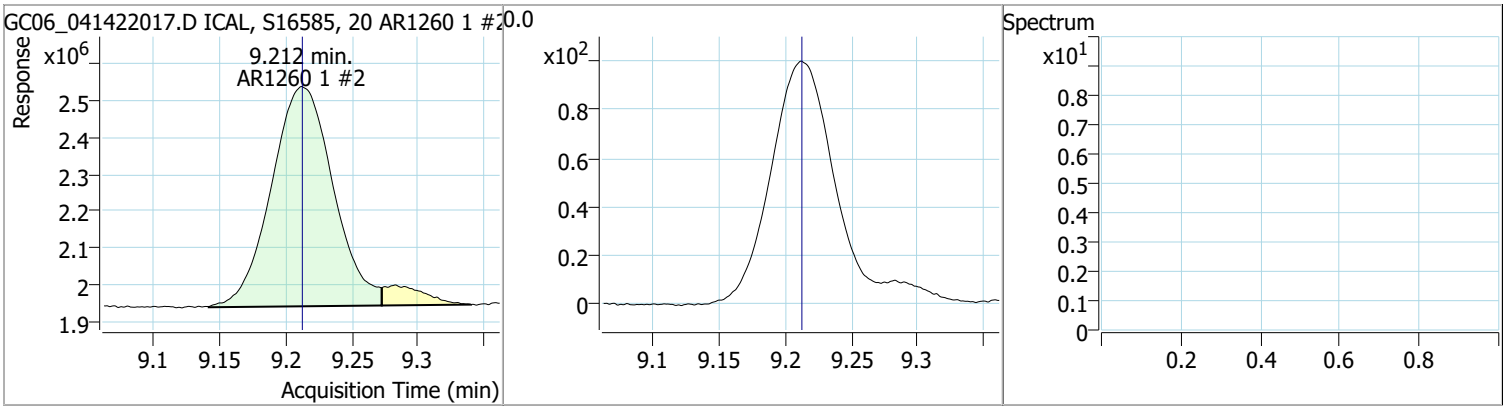
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	106.5162	6.90	0.00	834356			



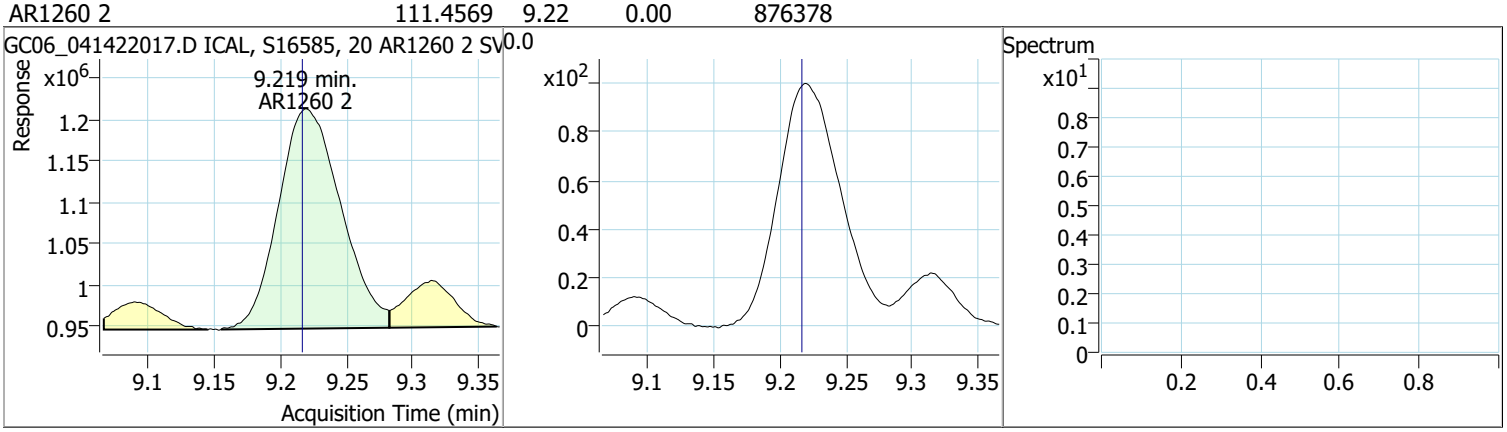
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
AR1260 1	111.9070	8.62	0.00	571288		



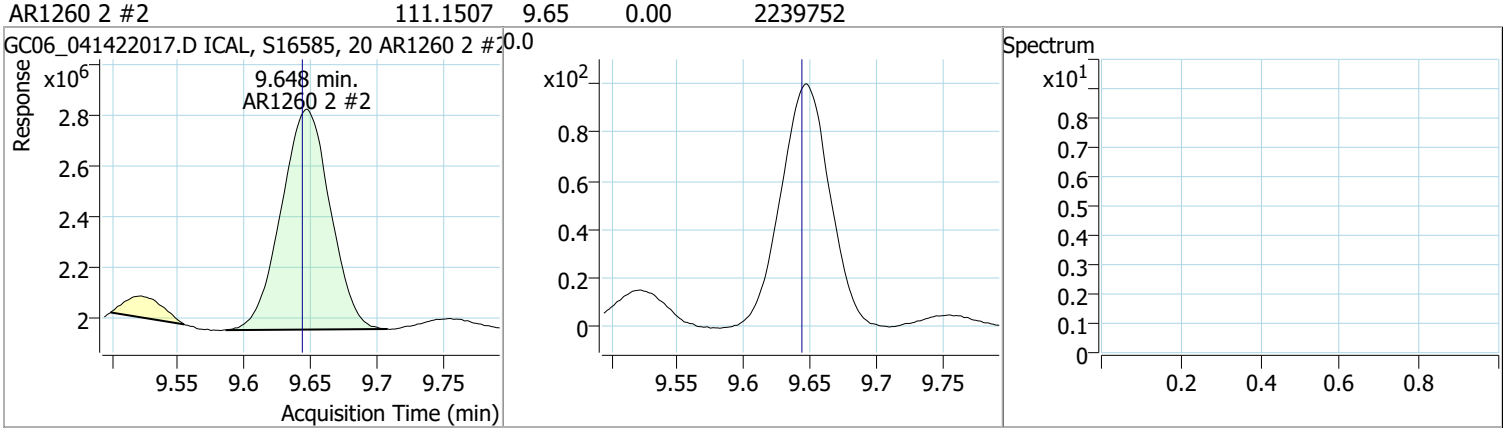
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
AR1260 1 #2	111.3788	9.21	0.00	1942370		



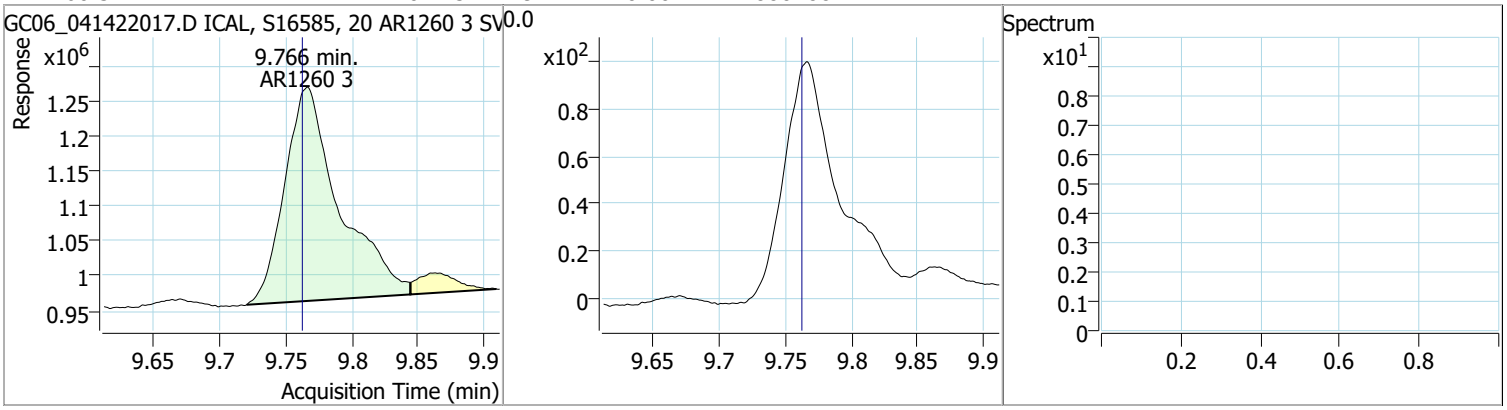
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
AR1260 2	111.4569	9.22	0.00	876378		



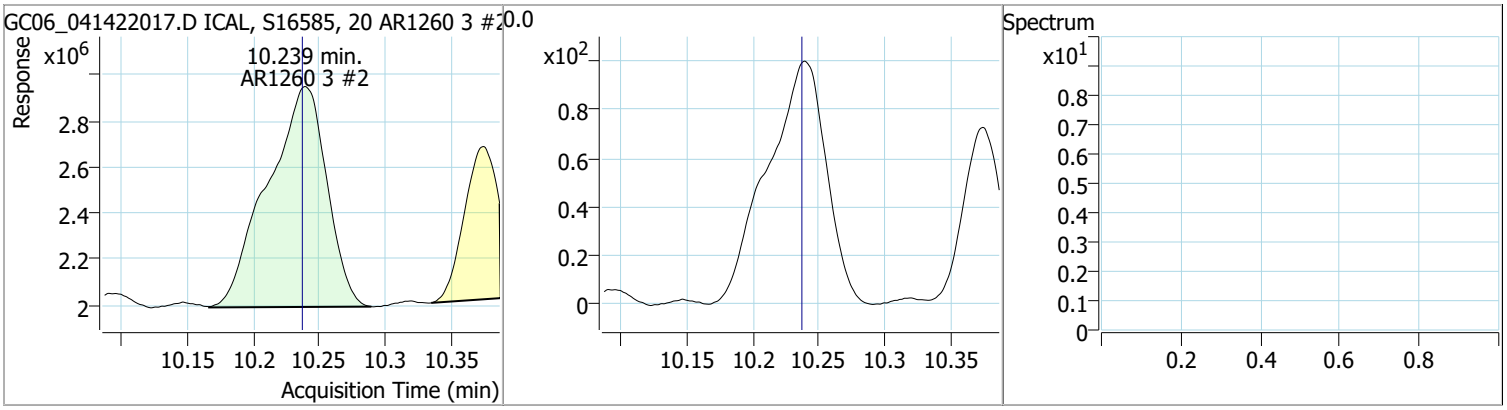
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
AR1260 2 #2	111.1507	9.65	0.00	2239752		



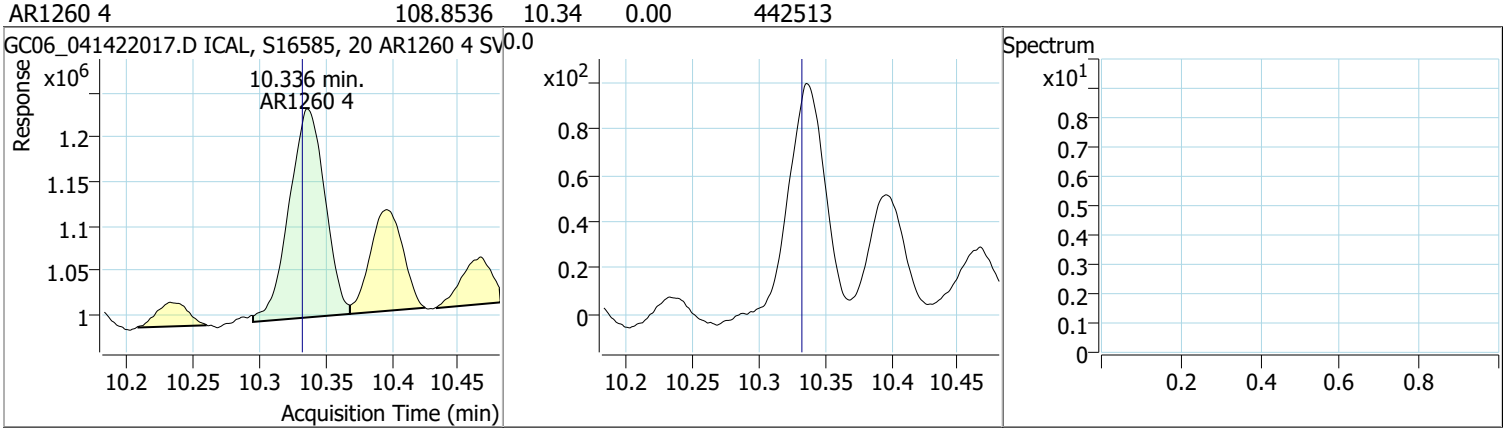
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	107.7542	9.77	0.00	880788			



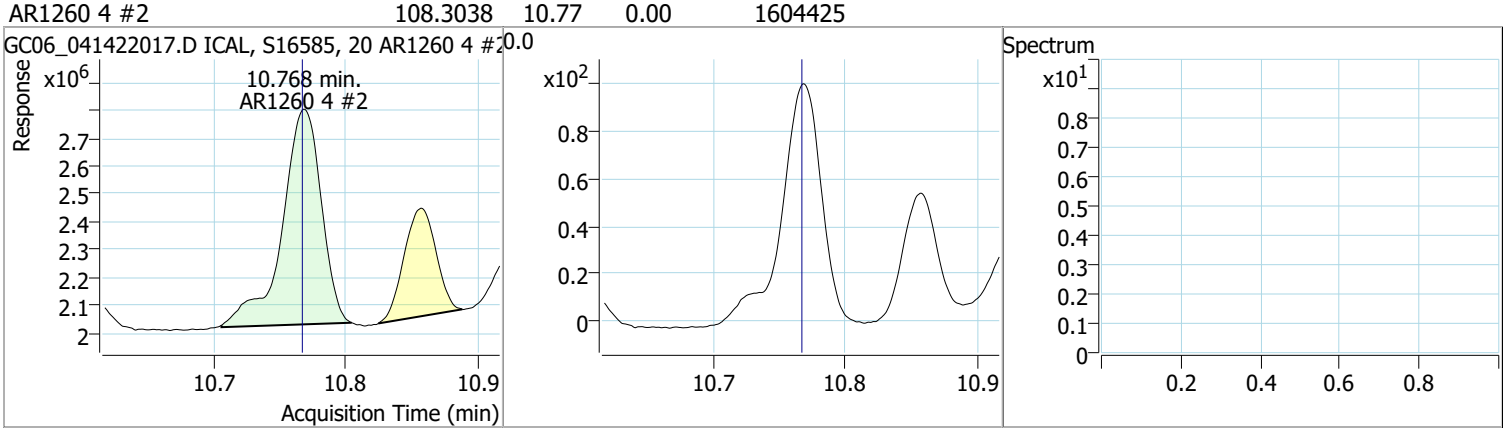
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	108.8974	10.24	0.00	2981275			



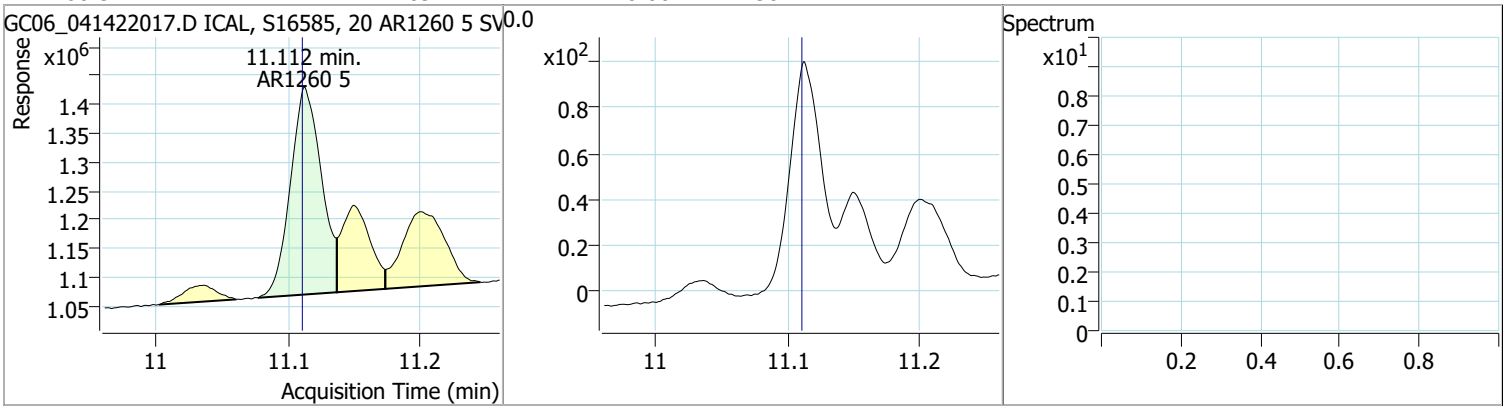
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	108.8536	10.34	0.00	442513			



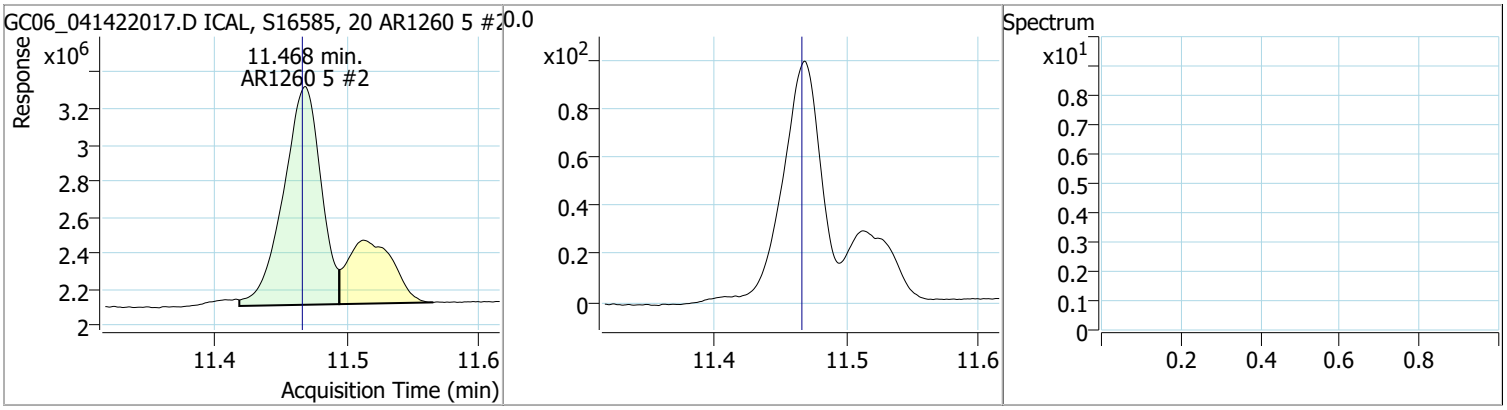
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	108.3038	10.77	0.00	1604425			



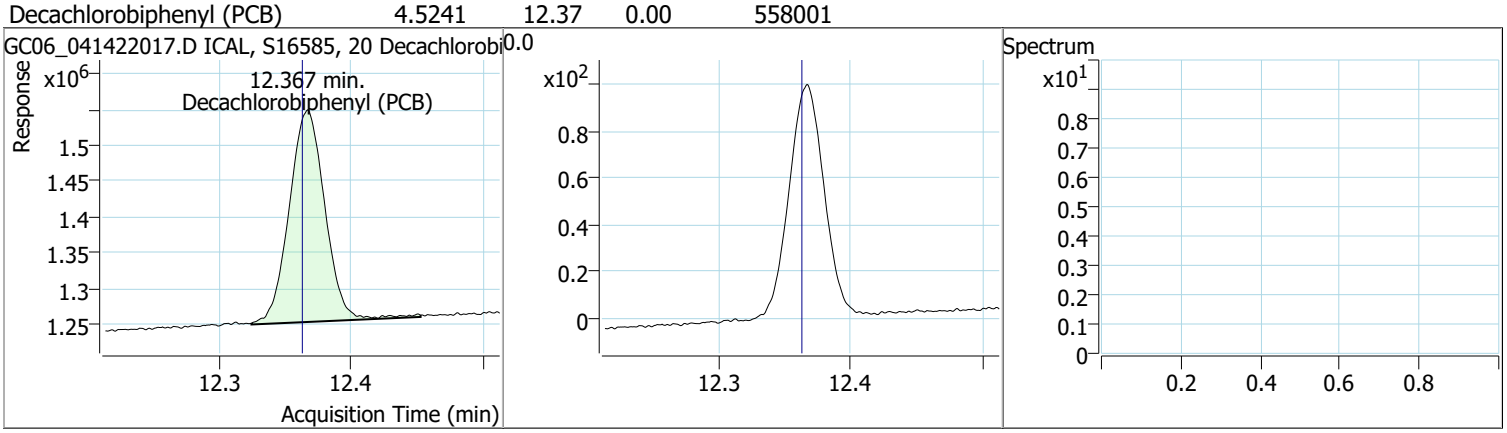
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	109.1442	11.11	0.00	587244			



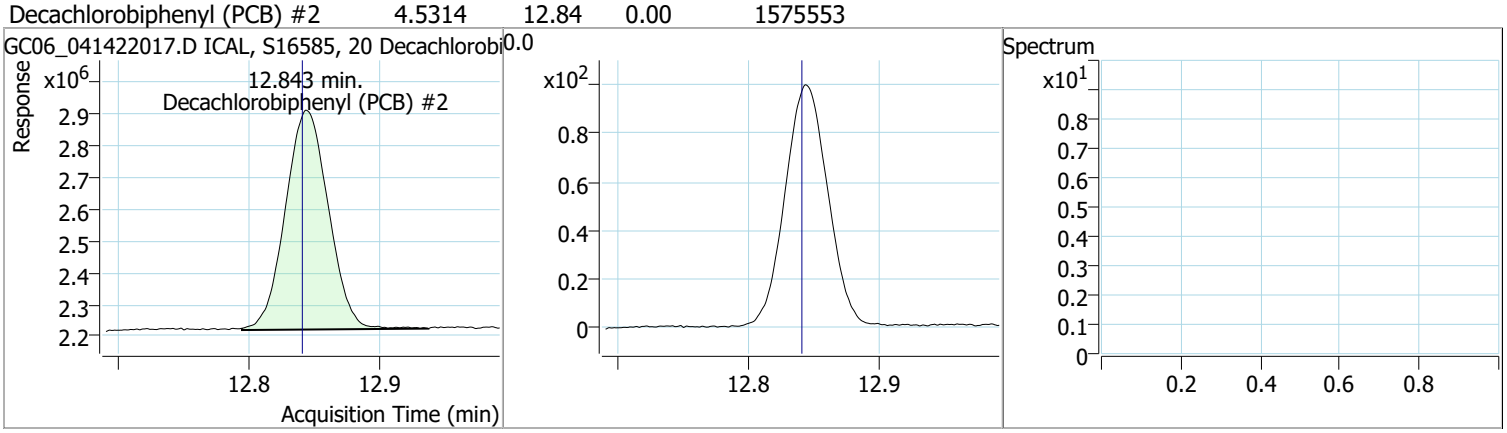
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	109.9105	11.47	0.00	2400549			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	4.5241	12.37	0.00	558001			

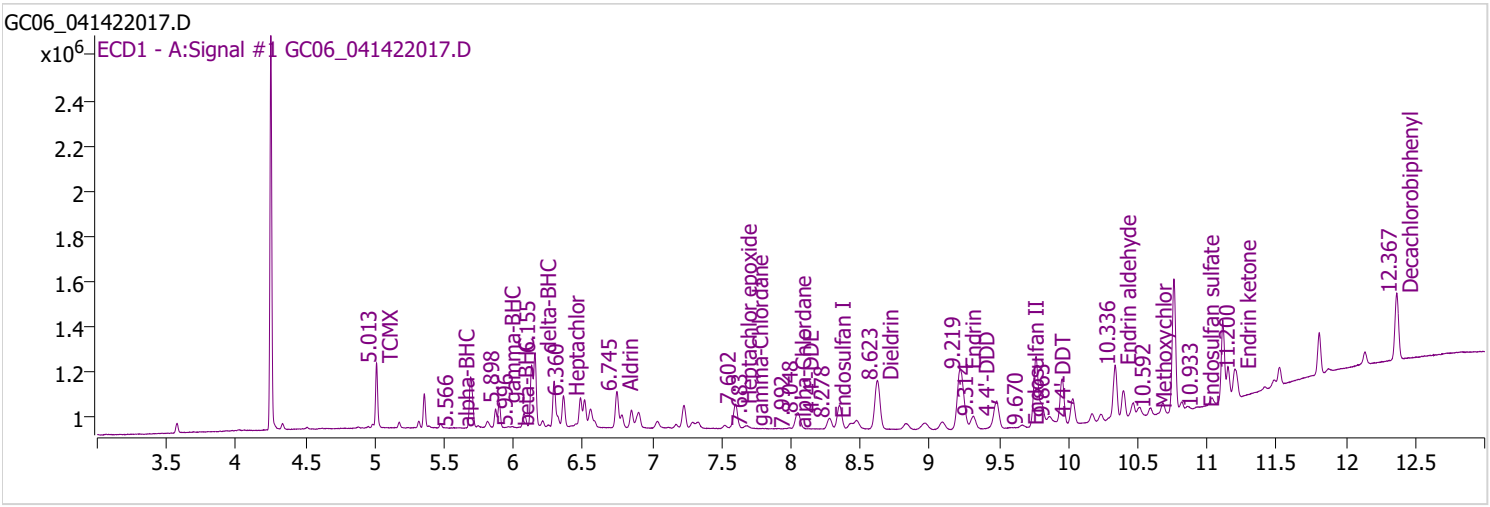


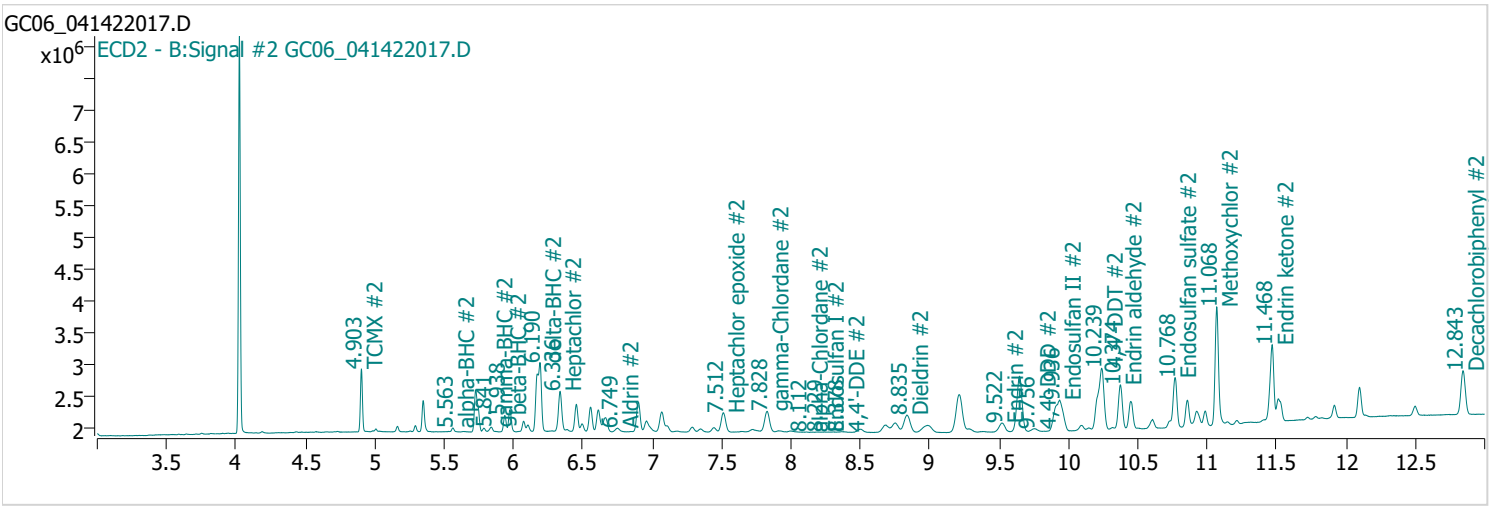
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	4.5314	12.84	0.00	1575553			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422017.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 7:16:29 PM
Sample Name	ICAL, S16585, 20	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 113	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 7:30:45 PM



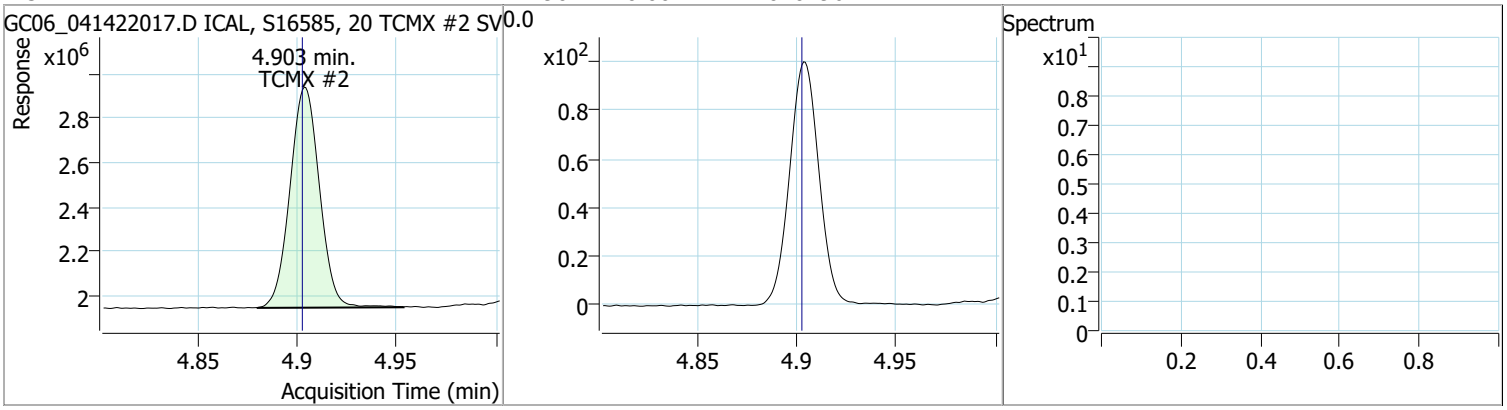


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.251	4.024	1600795	5755473	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.013	4.903	308808	1020196	4.185	4.128	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	20.93% *	20.64% *	
S Decachlorobiphenyl	12.367	12.843	544880	1543655	4.986	4.785	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	24.93% *	23.93% *	
Target Compounds							
T alpha-BHC	5.566	5.563 f	755	54780	0.011	0.213 #	ng/ml
T gamma-BHC	5.898	5.841	135164	109421	1.807	0.421 #	ng/ml
T beta-BHC	5.996	5.938	7089	330689	0.199	2.345 #	ng/ml
T delta-BHC	6.155	6.190	423413	2663412	4.608	6.426 #	ng/ml
T Heptachlor	6.360	6.336	165756	1068644	2.134	3.369 #	ng/ml
T Aldrin	6.745	6.749	257254	123038	3.187	0.447 #	ng/ml
T Heptachlor epoxide	7.602	7.512	219476	648063	2.790	2.403	ng/ml
T gamma-Chlordane	7.683	7.828	22732	773454	0.340	2.652 #	ng/ml
T alpha-Chlordane	7.992	8.112	2645	4717	0.040	0.021 #	ng/ml

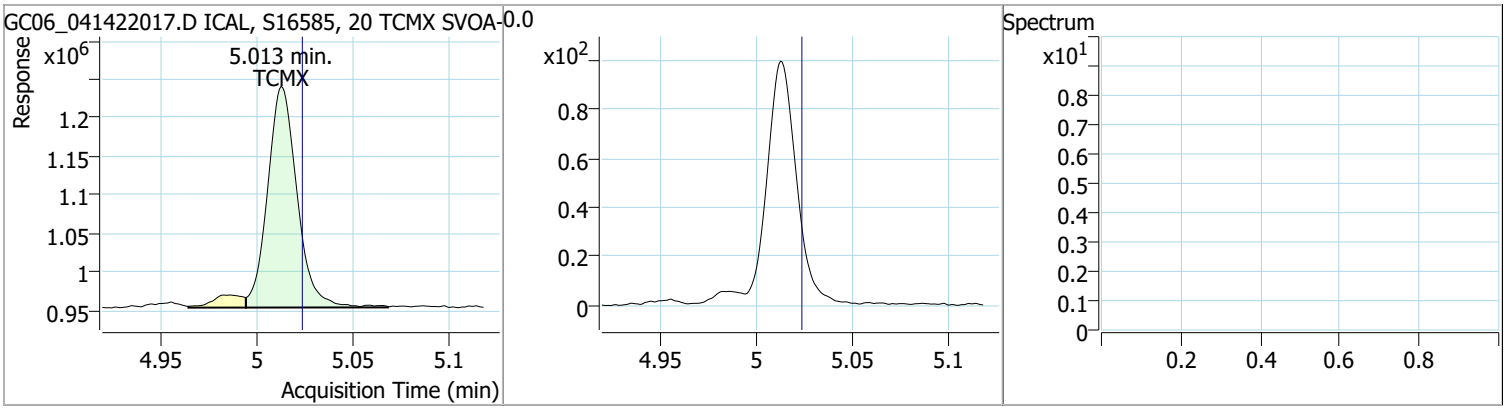
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.278	8.229	99753	2198	1.600	0.011 #	ng/ml
T 4,4'-DDE	8.048	8.378 f	179763	14782	2.722	0.071 #	ng/ml
T Dieldrin	8.623	8.835	571239	710390	7.040	2.915 #	ng/ml
T Endrin	9.219	9.522	790521	410212	9.663	1.893 #	ng/ml
T 4,4'-DDD	9.314	9.756	93460	111688	1.919	0.594 #	ng/ml
T Endosulfan II	9.670	9.936 f	22069	2012533	0.339	7.401 #	ng/ml
T 4,4'-DDT	9.863	10.239	54818	2962599	0.923	10.030 #	ng/ml
T Endrin aldehyde	10.336	10.374	412676	1362745	7.425	6.878	ng/ml
T Endosulfan sulfate	10.933	10.768	2493	1662139	0.044	7.276 #	ng/ml
T Methoxychlor	10.592	11.068 f	47842	3275638	1.367	24.375 #	ng/ml
T Endrin ketone	11.200	11.468 f	219505	2374924	2.920	7.988 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

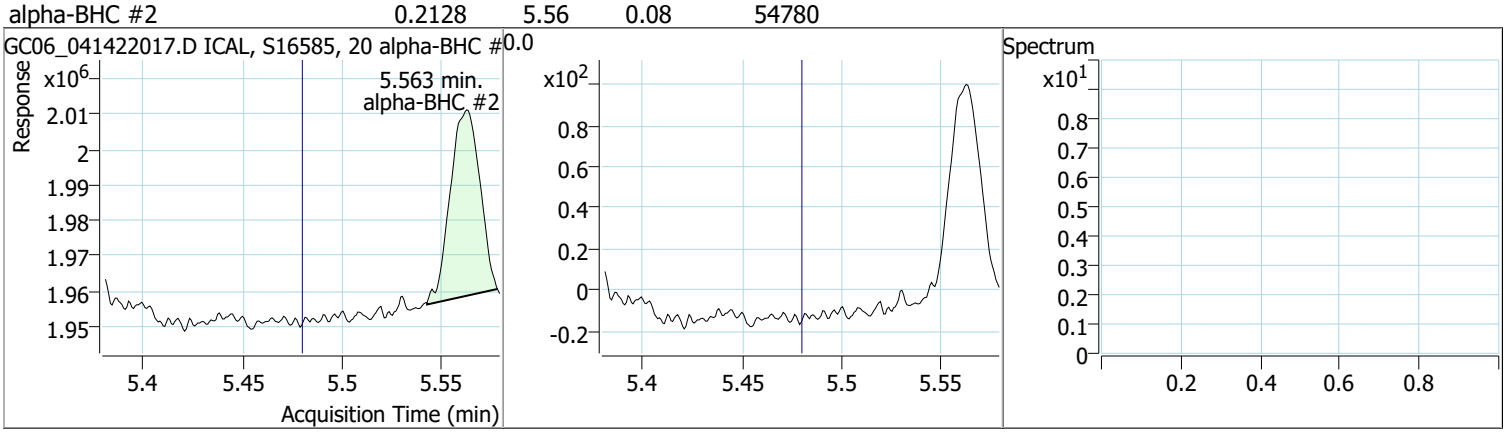
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	4.1277	4.90	0.00	1020196			



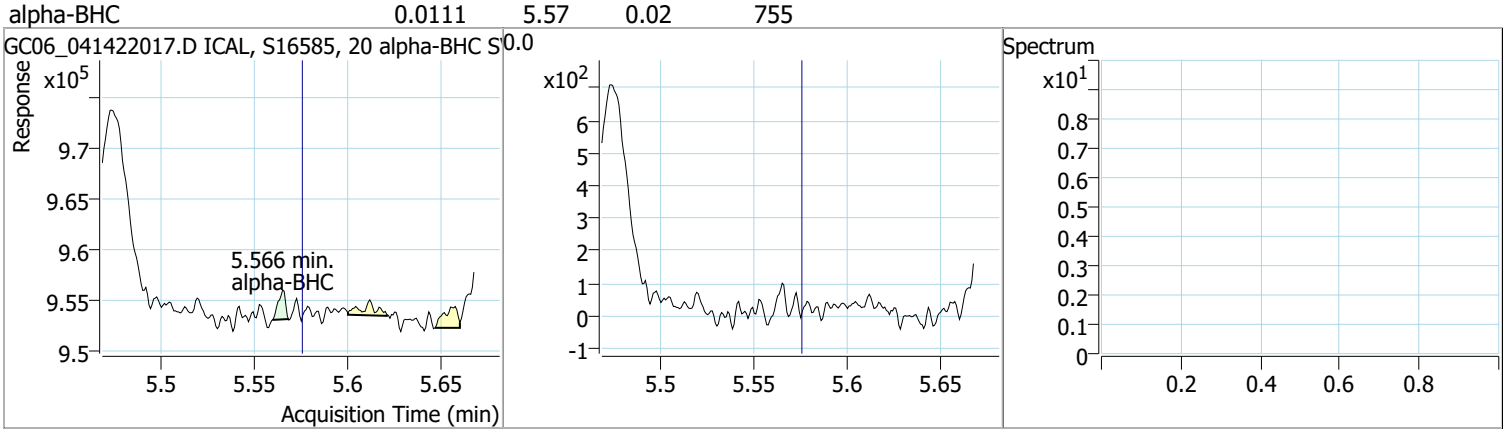
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	4.1854	5.01	0.01	308808			



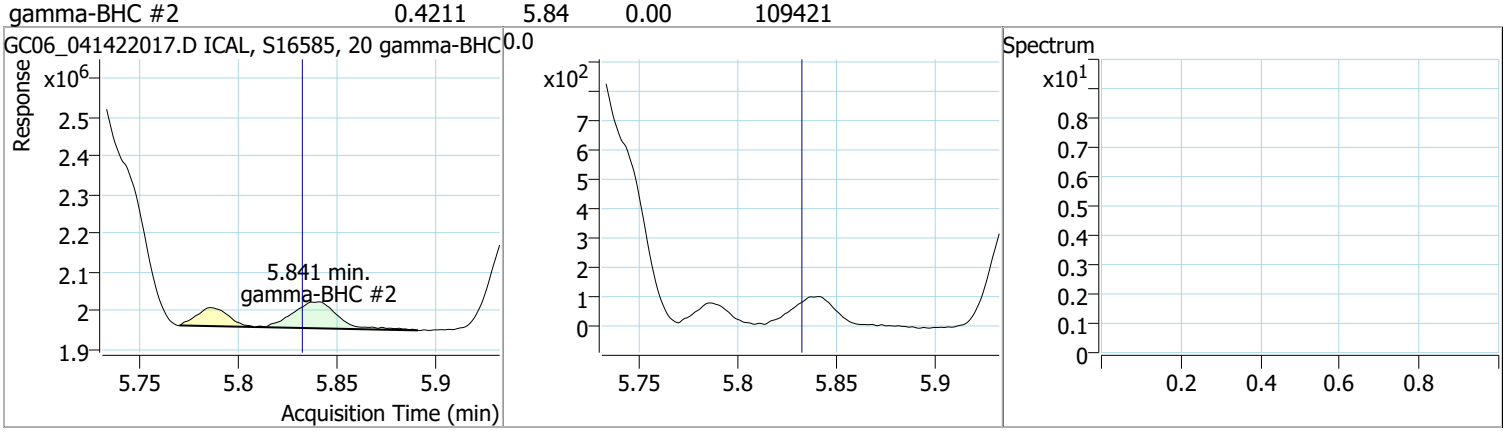
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	0.2128	5.56	0.08	54780			



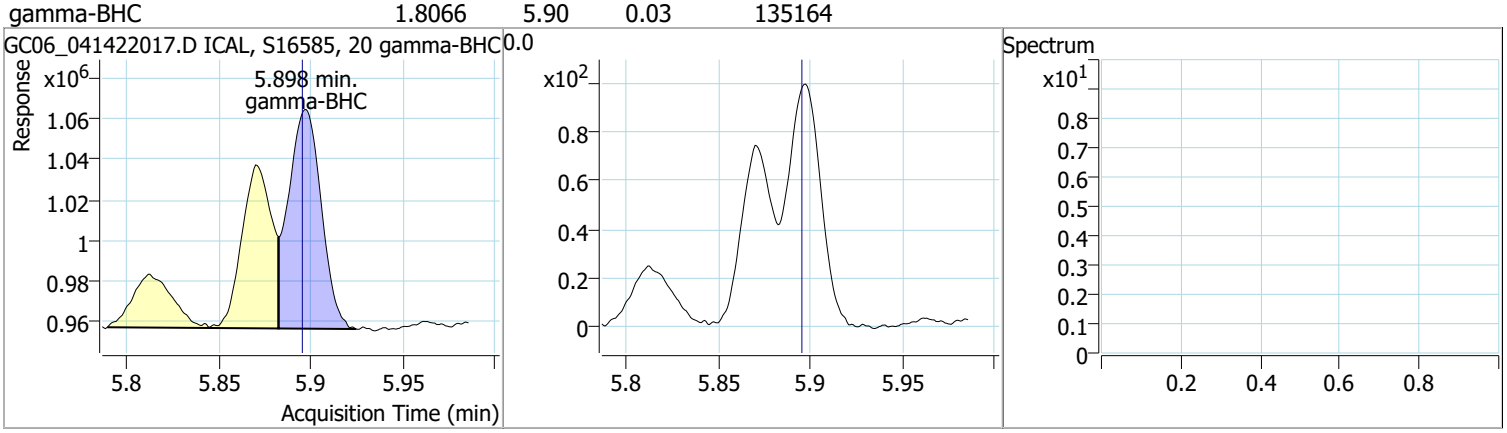
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC	0.0111	5.57	0.02	755			



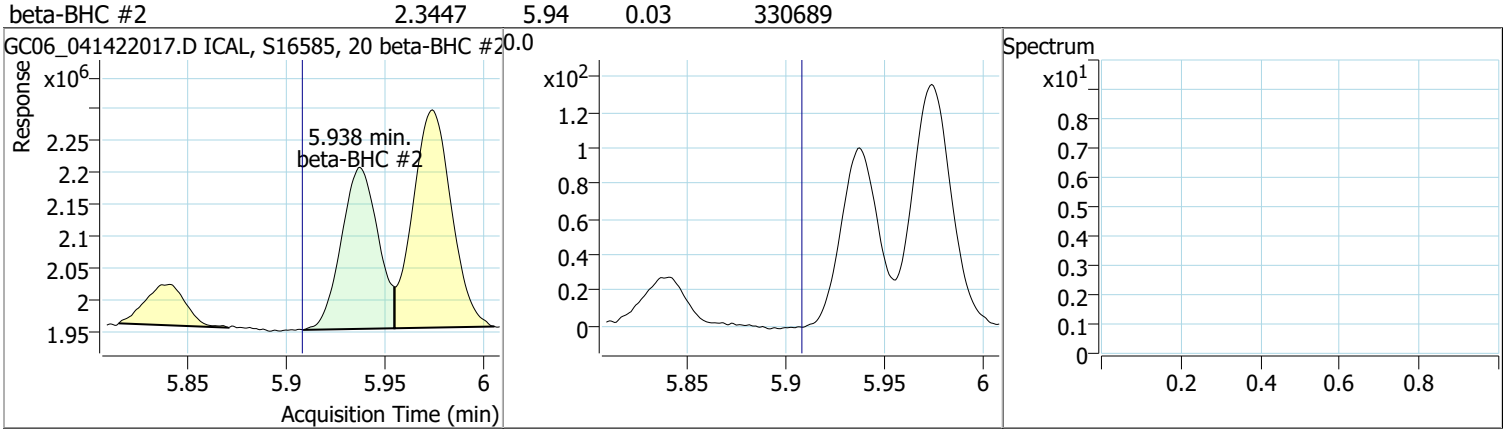
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	0.4211	5.84	0.00	109421			



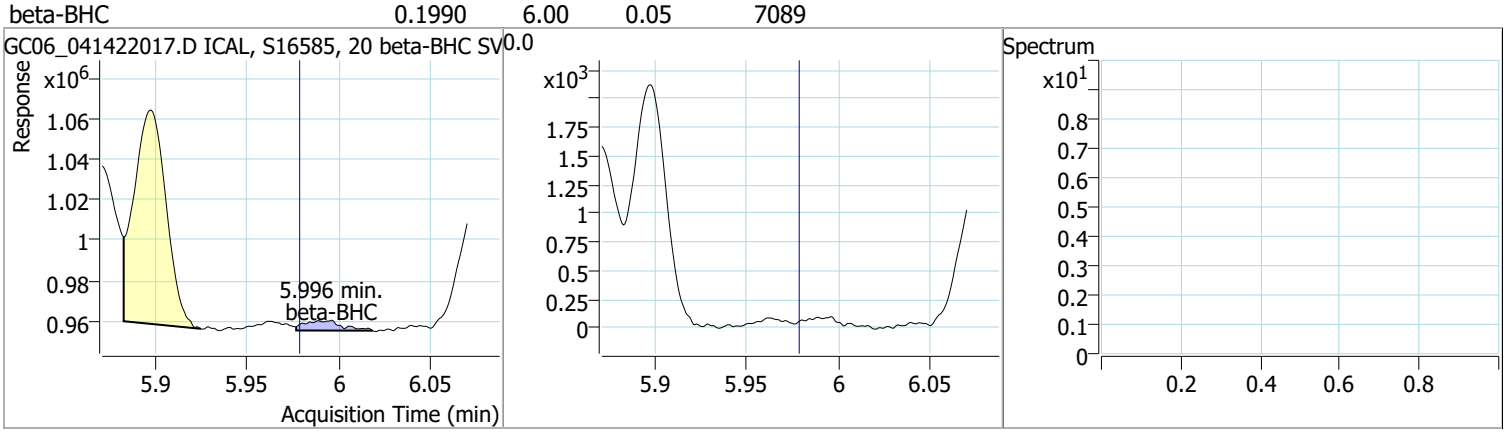
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	1.8066	5.90	0.03	135164			



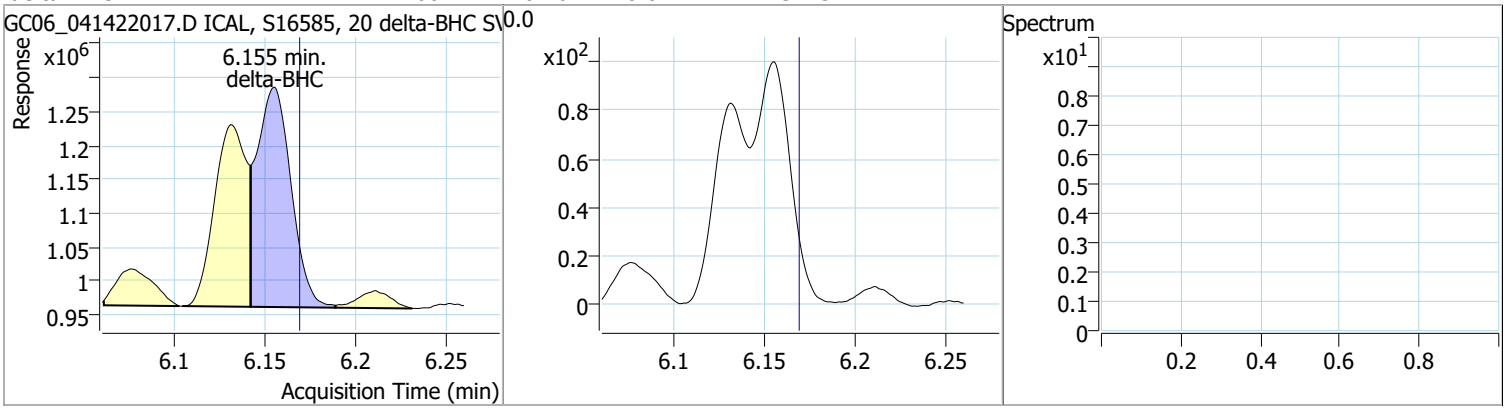
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	2.3447	5.94	0.03	330689			



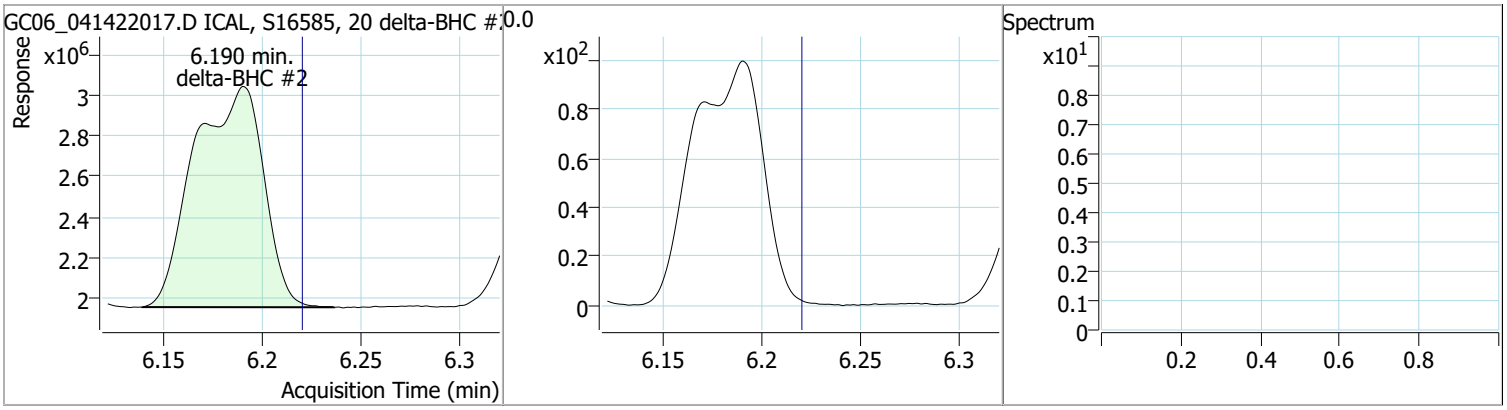
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	0.1990	6.00	0.05	7089			



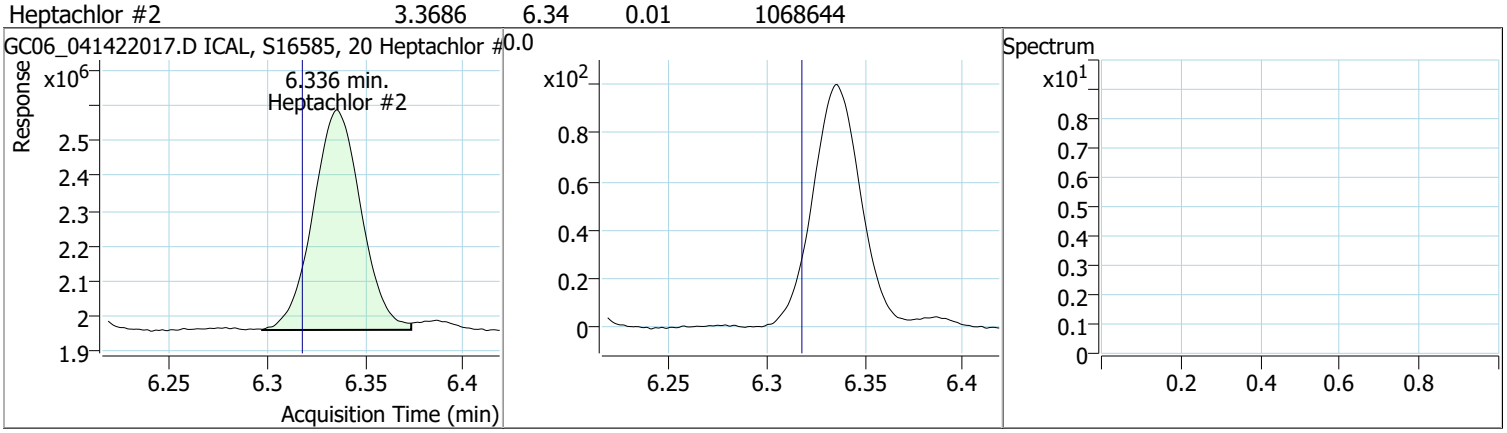
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	4.6077	6.16	0.02	423413			



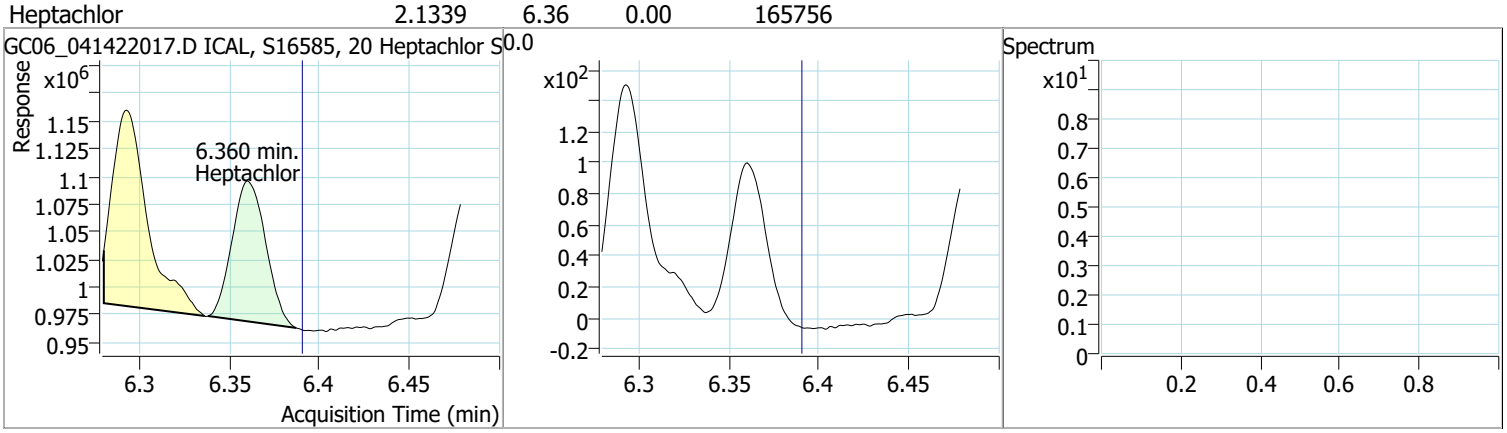
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	6.4261	6.19	-0.03	2663412			



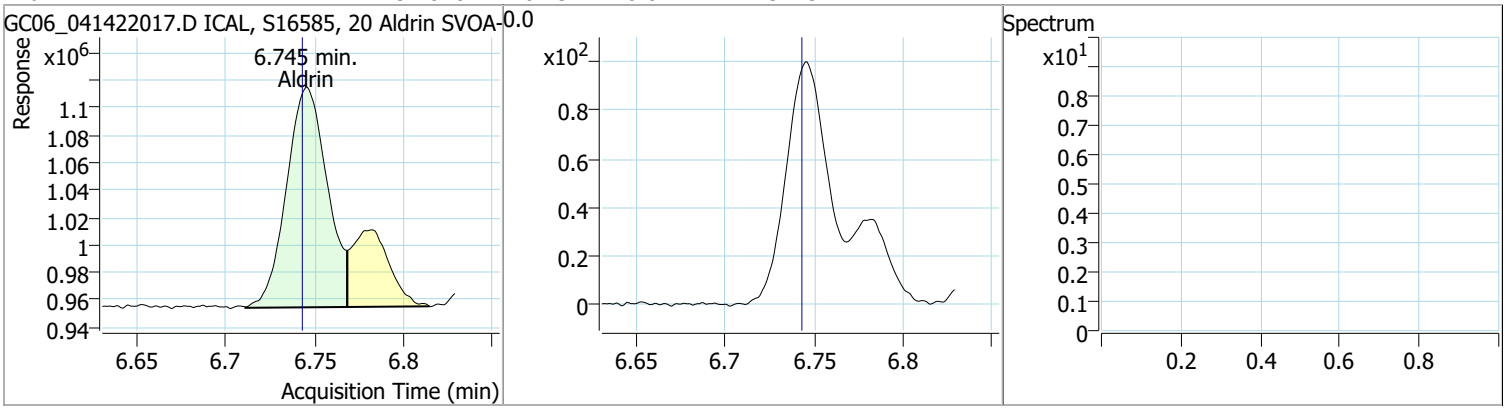
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	3.3686	6.34	0.01	1068644			



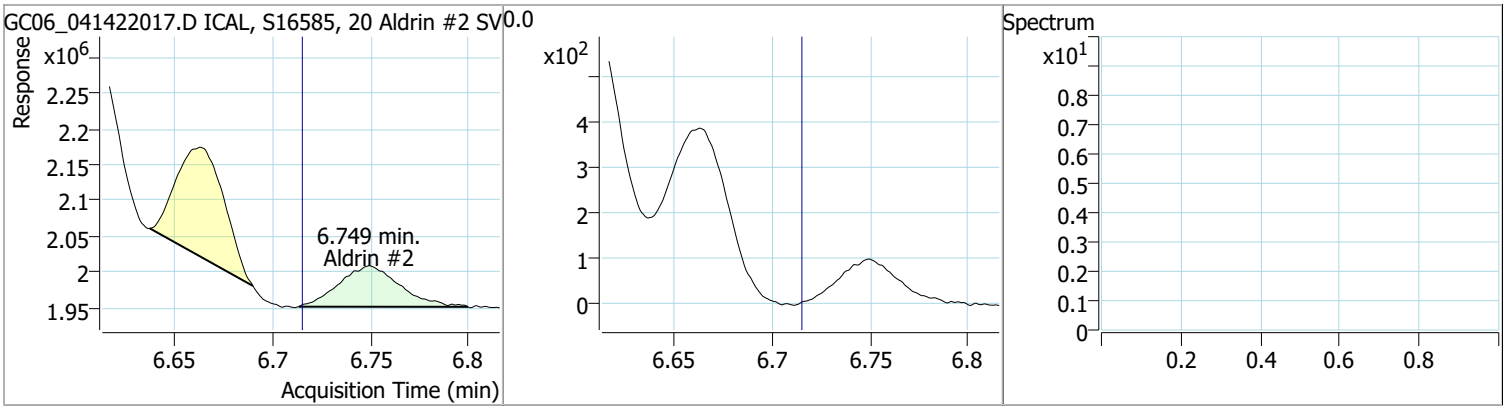
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	2.1339	6.36	0.00	165756			



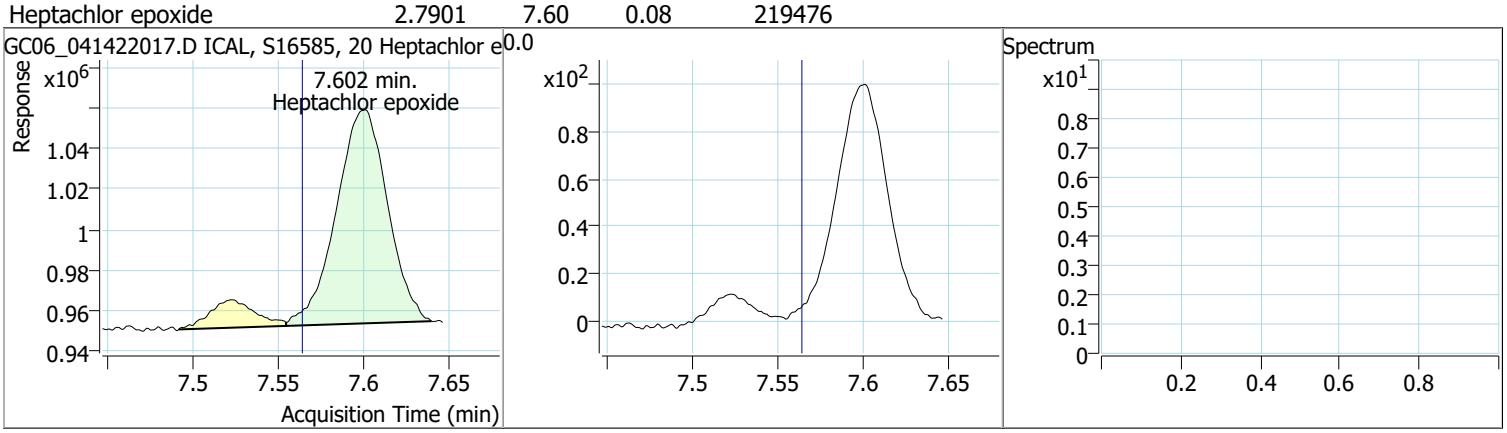
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	3.1870	6.75	0.04	257254			



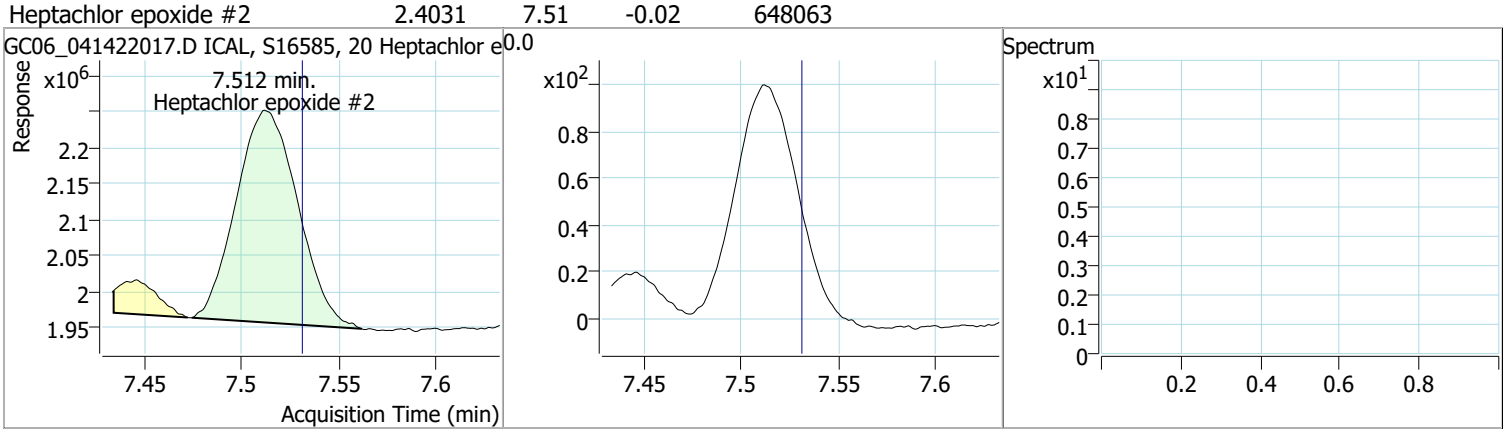
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	0.4474	6.75	0.03	123038			



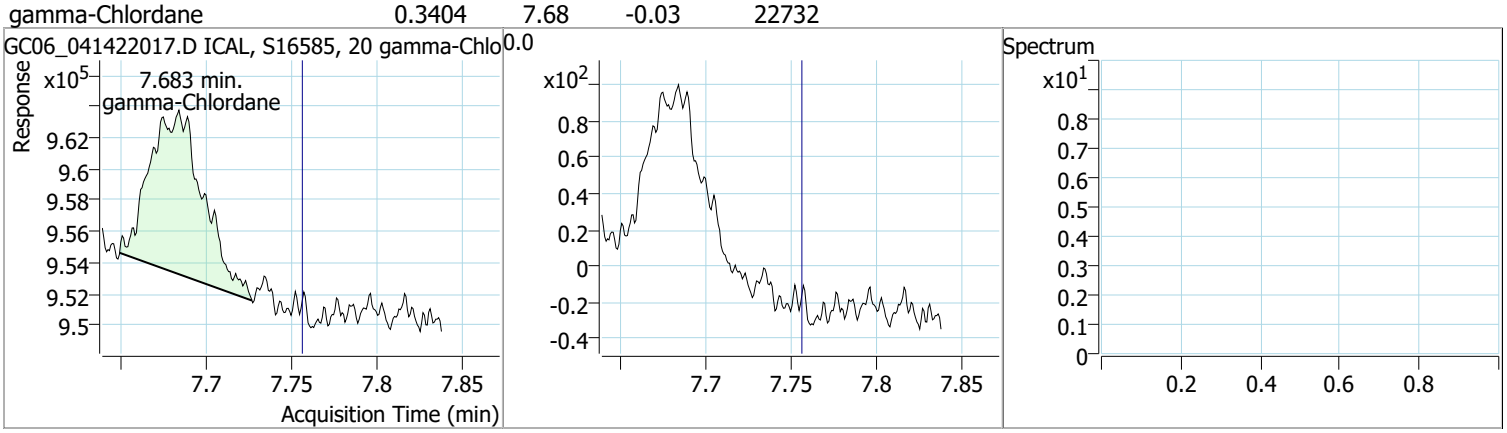
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	2.7901	7.60	0.08	219476			



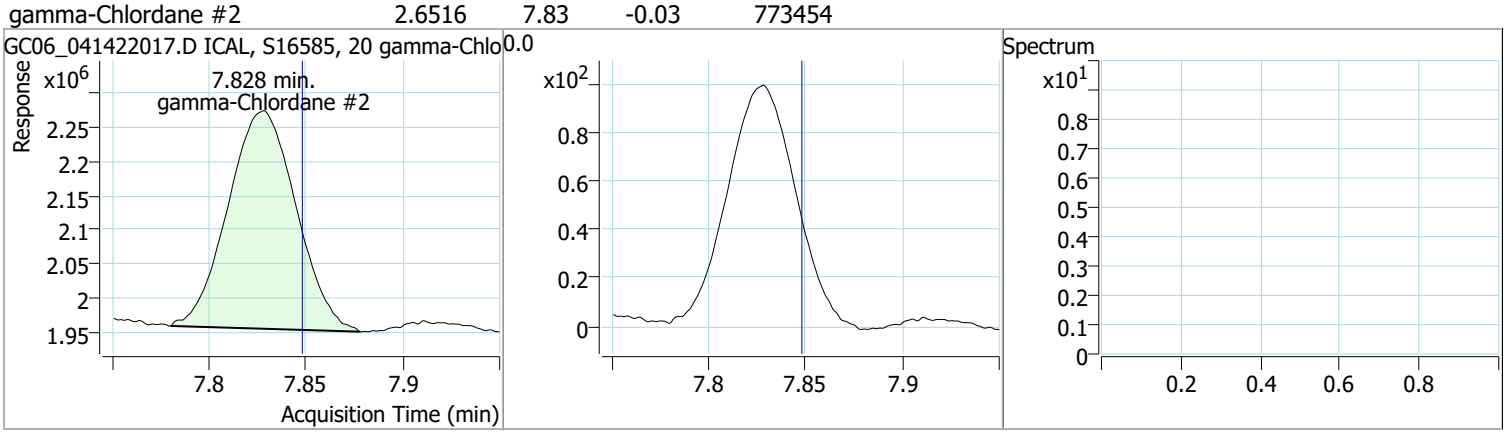
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	2.4031	7.51	-0.02	648063			



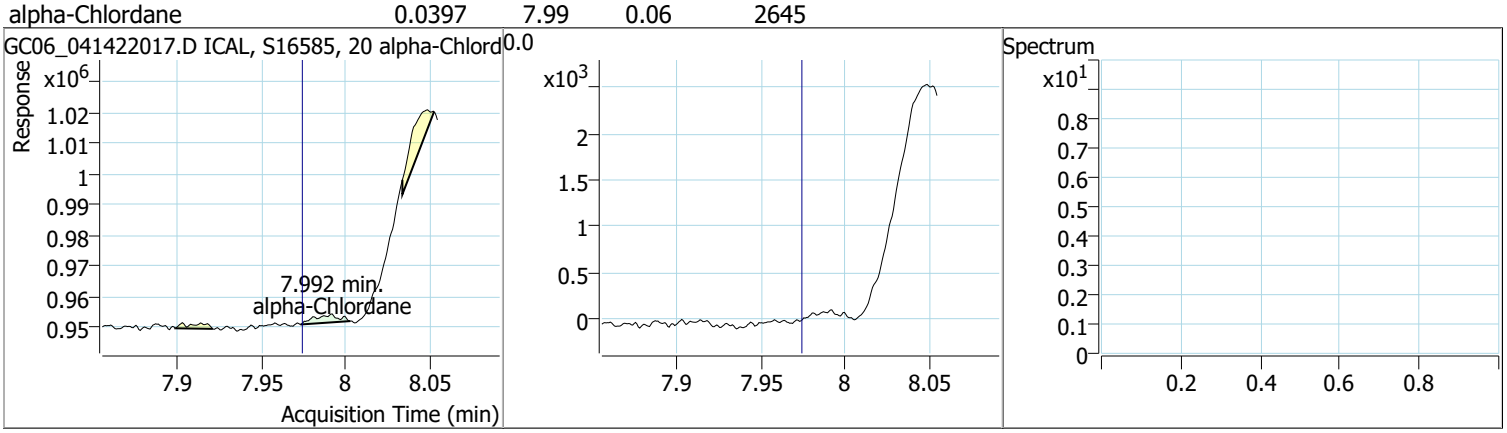
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.3404	7.68	-0.03	22732			



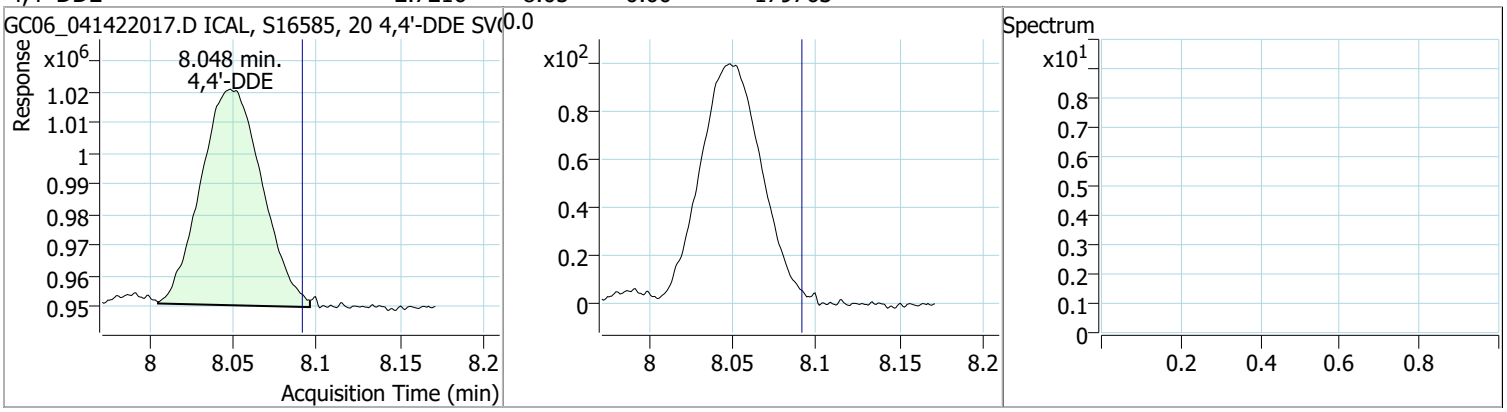
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	2.6516	7.83	-0.03	773454			



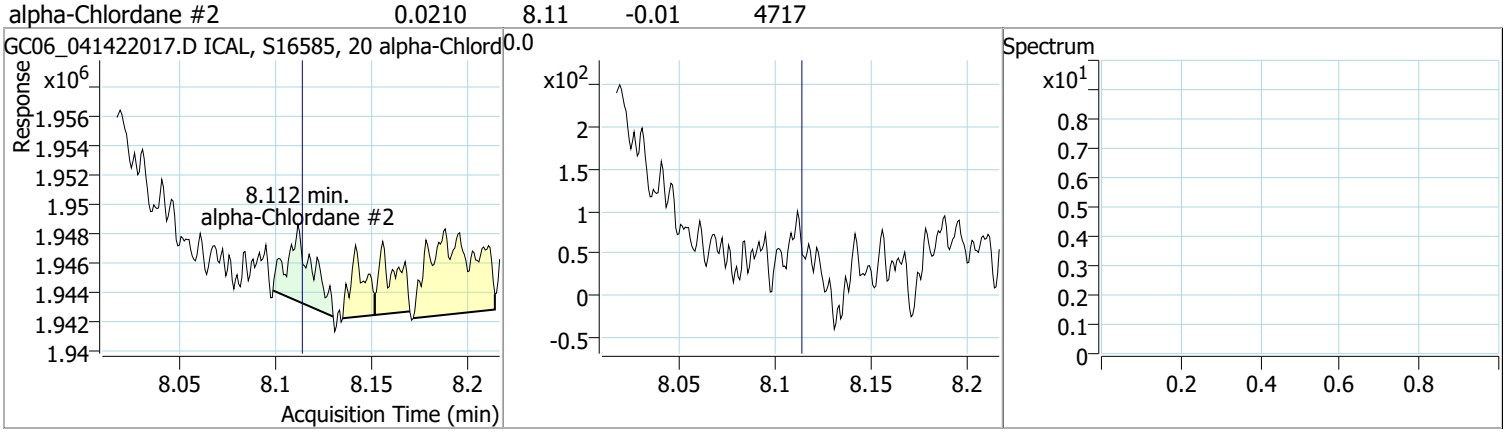
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	0.0397	7.99	0.06	2645			



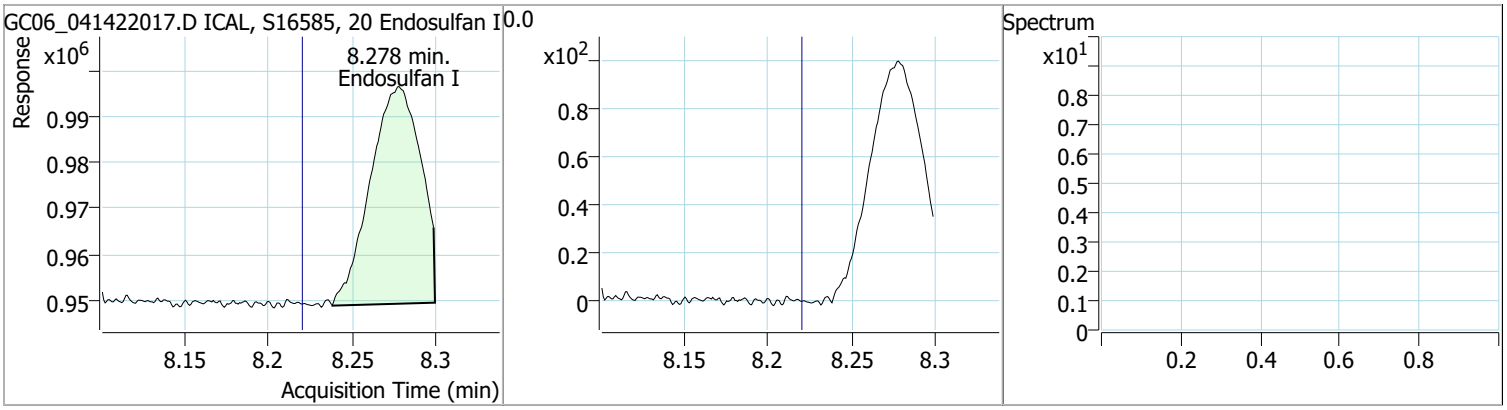
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	2.7216	8.05	0.00	179763			



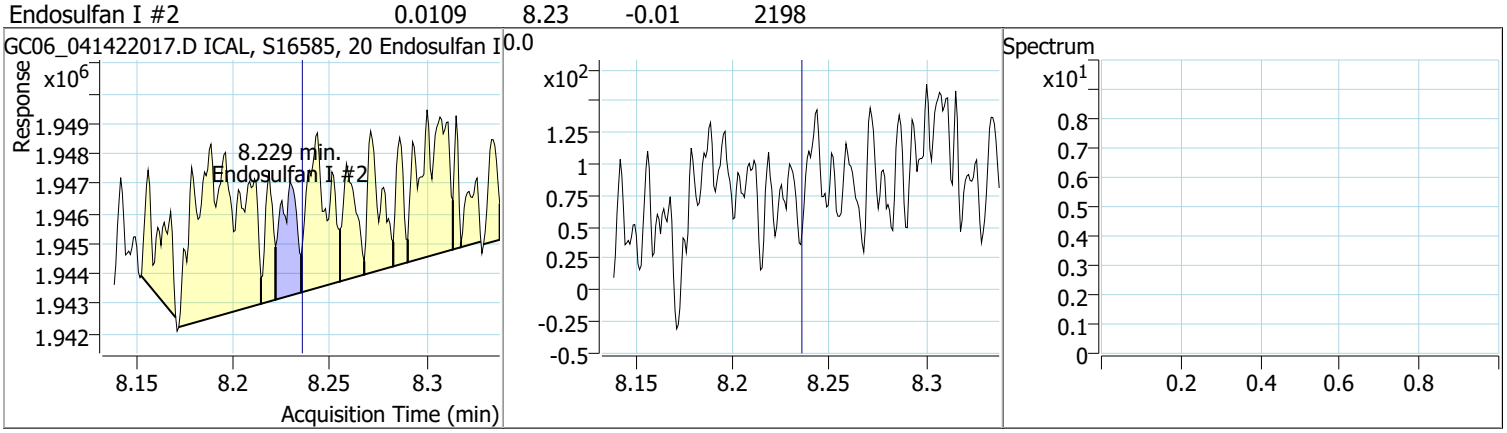
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
alpha-Chlordane #2	0.0210	8.11	-0.01	4717		



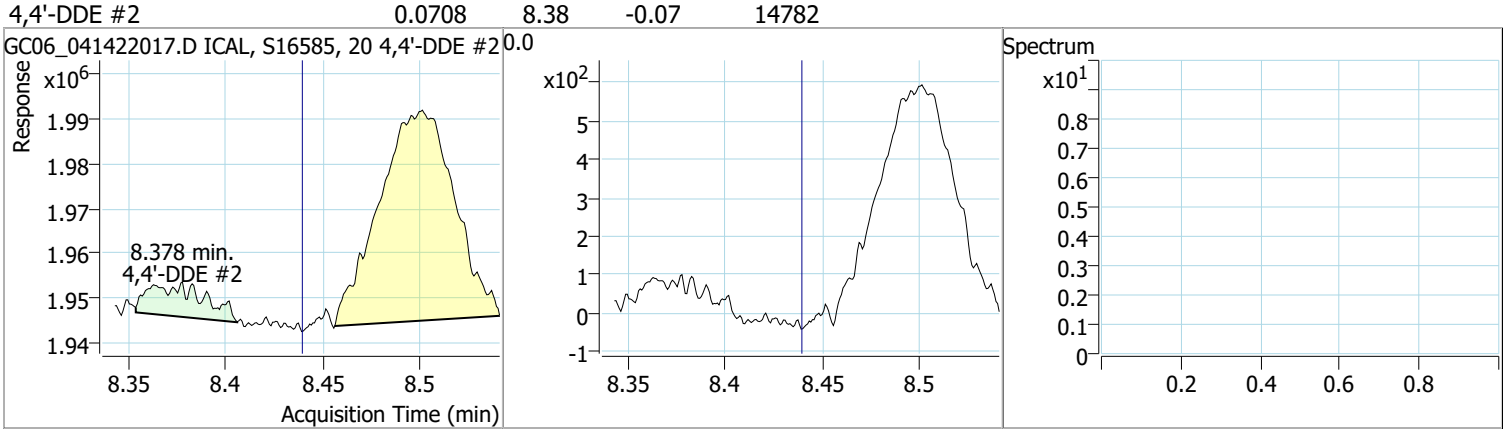
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
Endosulfan I	1.6001	8.28	0.10	99753		



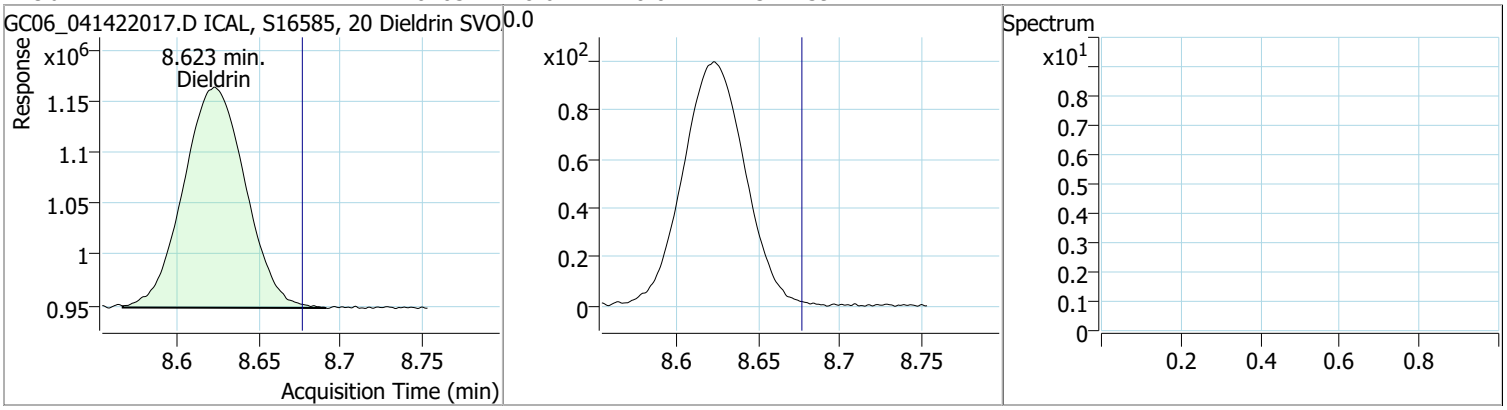
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
Endosulfan I #2	0.0109	8.23	-0.01	2198		



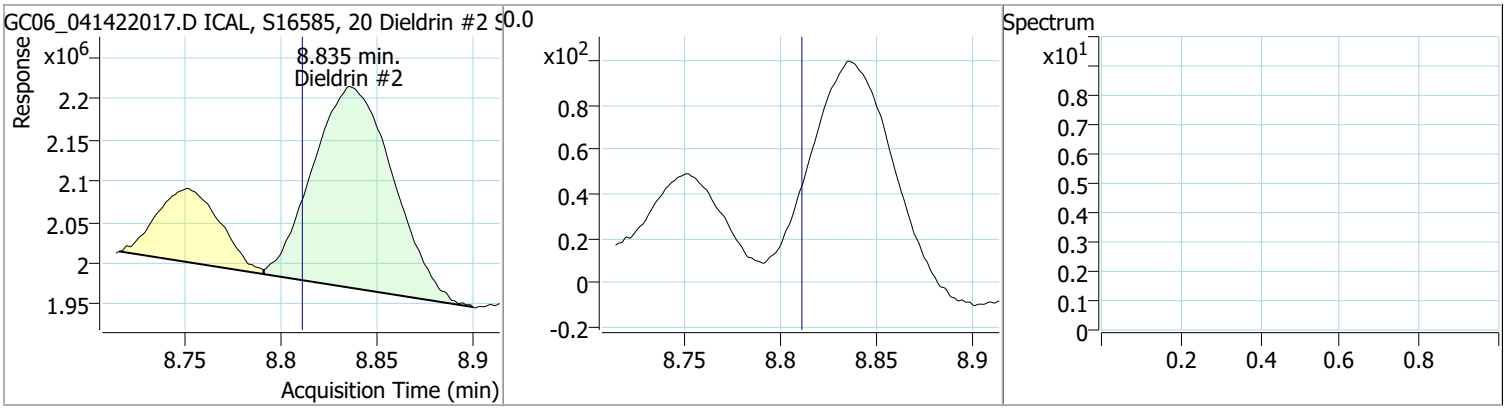
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
4,4'-DDE #2	0.0708	8.38	-0.07	14782		



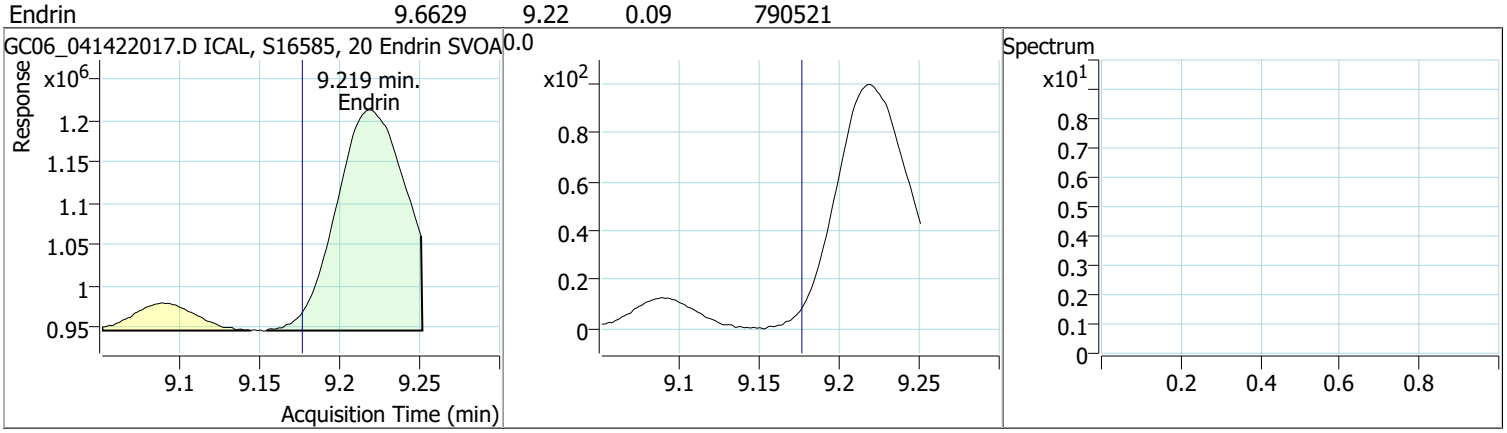
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin	7.0403	8.62	-0.01	571239			



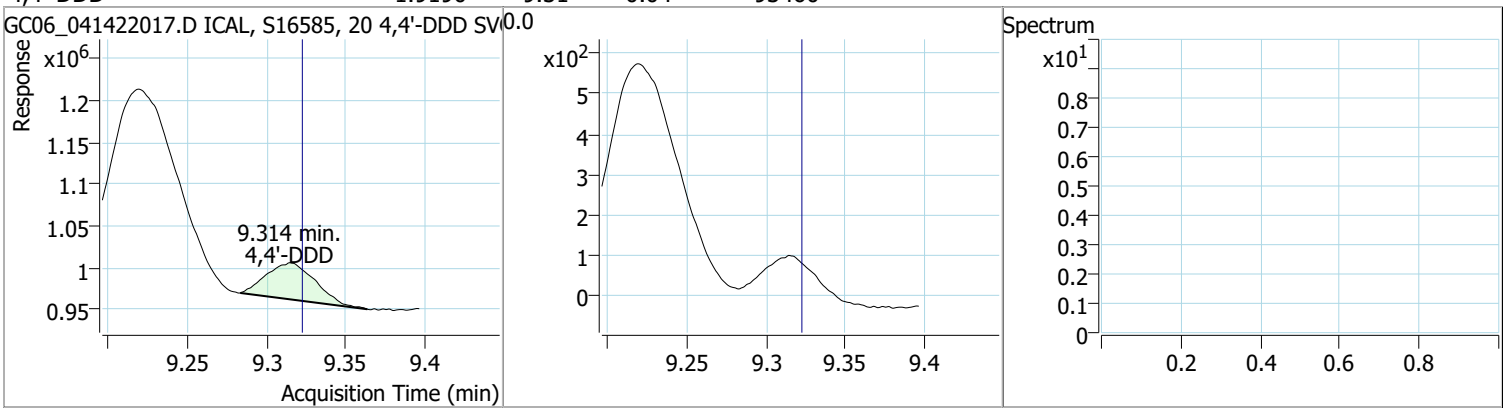
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	2.9149	8.84	0.02	710390			



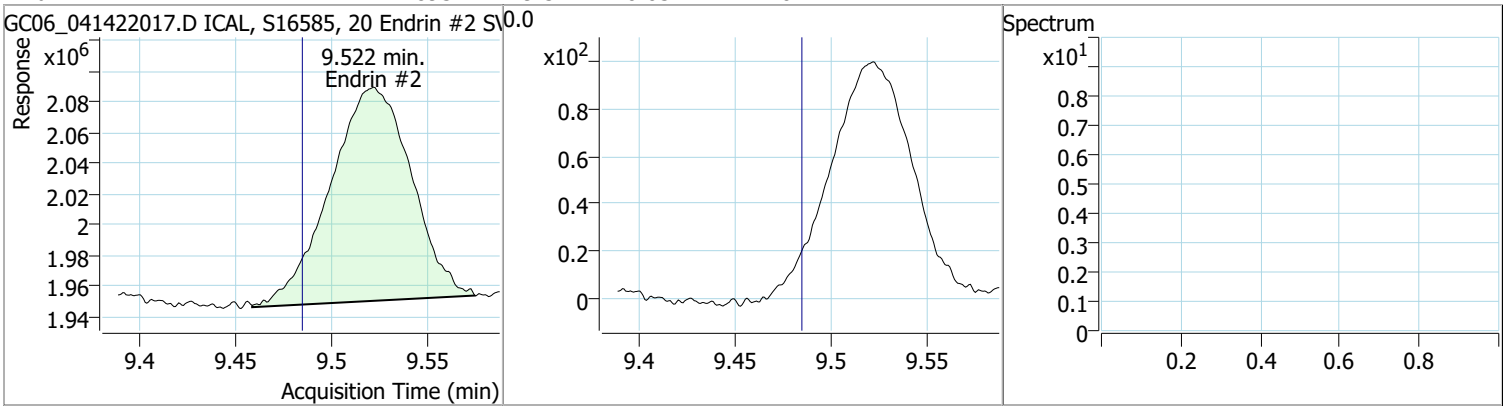
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin	9.6629	9.22	0.09	790521			



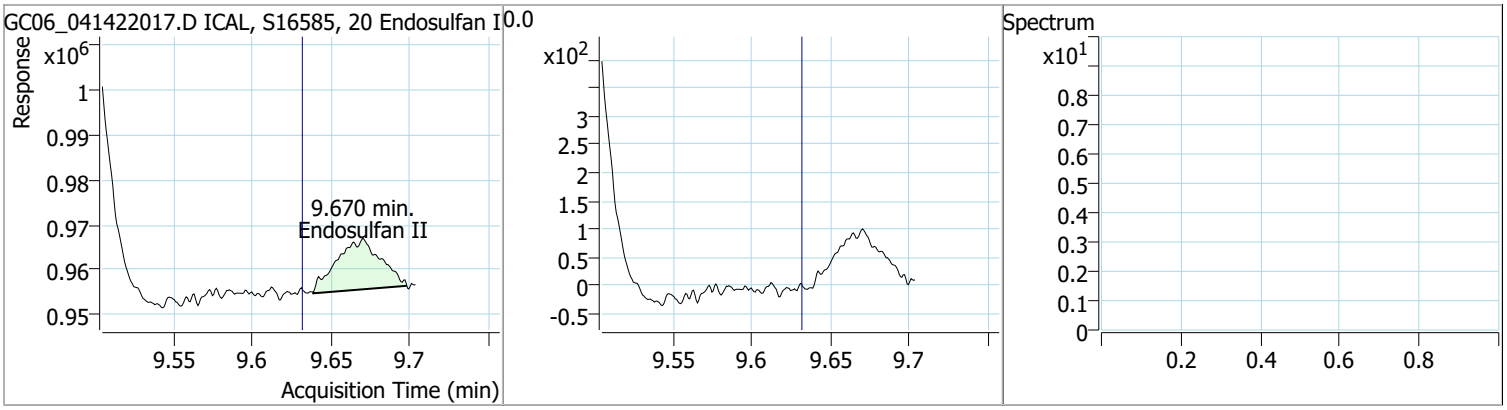
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	1.9190	9.31	0.04	93460			



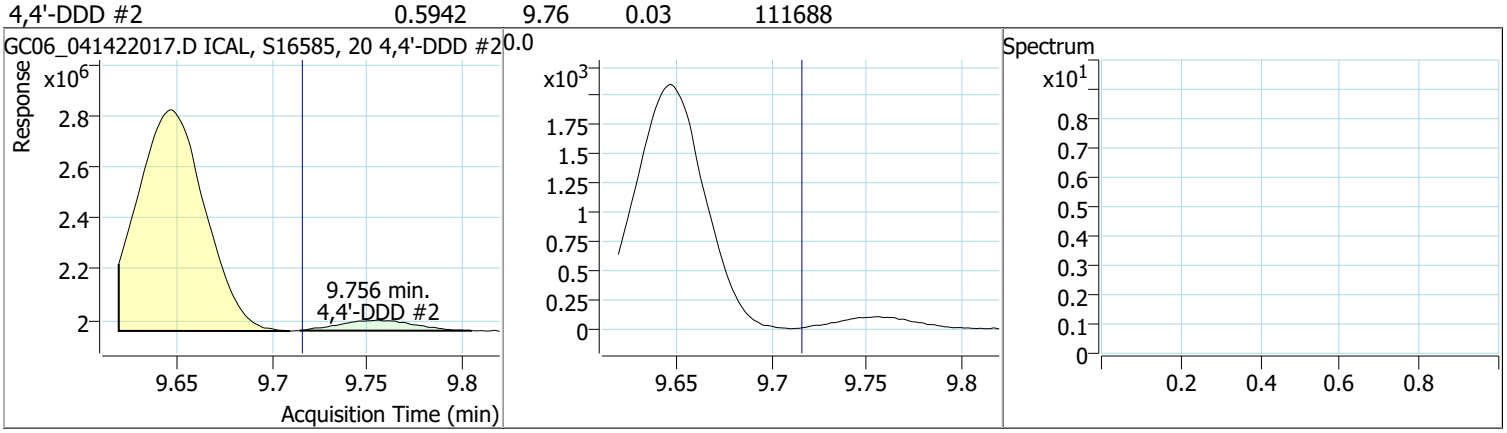
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin #2	1.8932	9.52	0.03	410212			



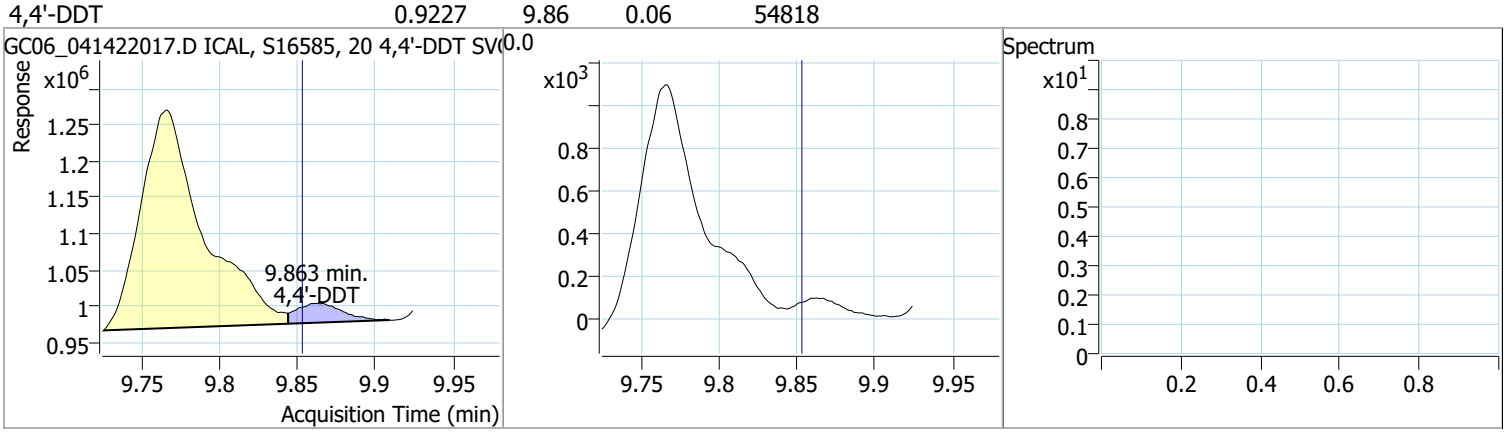
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II	0.3393	9.67	0.09	22069			



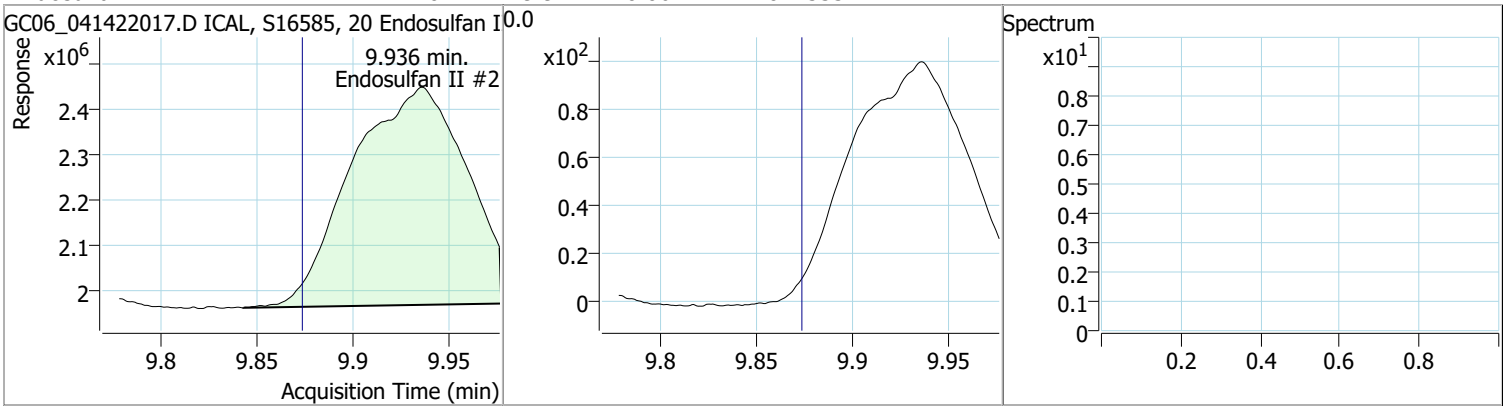
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	0.5942	9.76	0.03	111688			



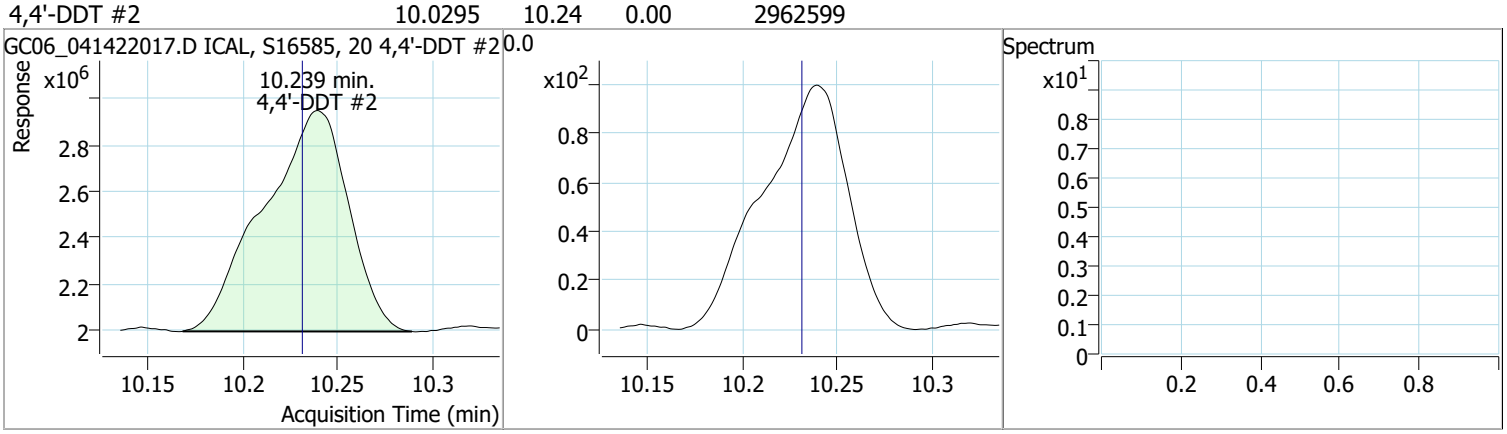
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	0.9227	9.86	0.06	54818			



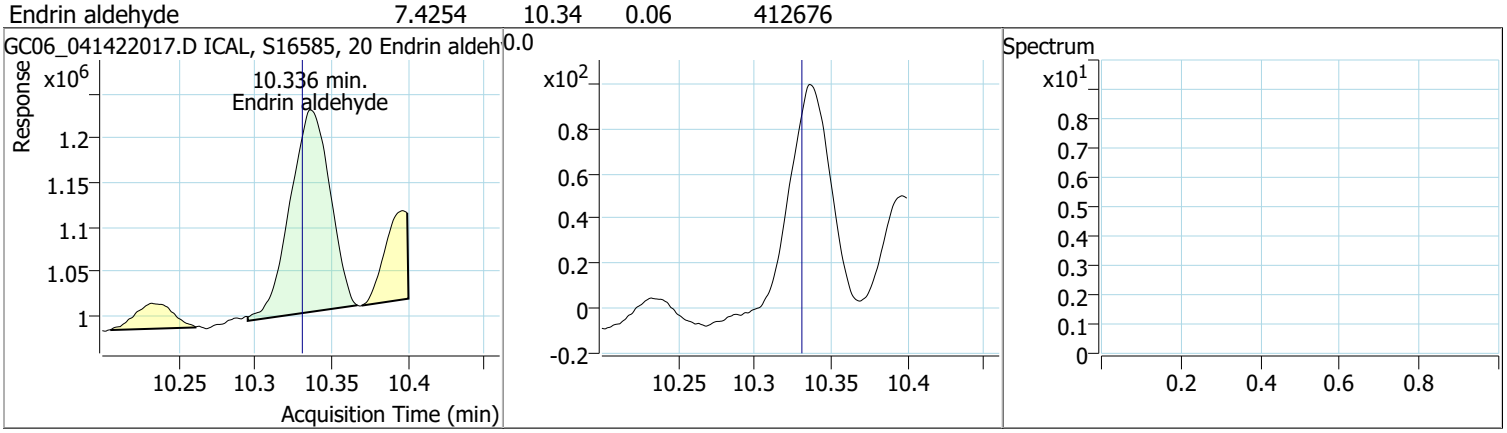
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	7.4014	9.94	0.06	2012533			



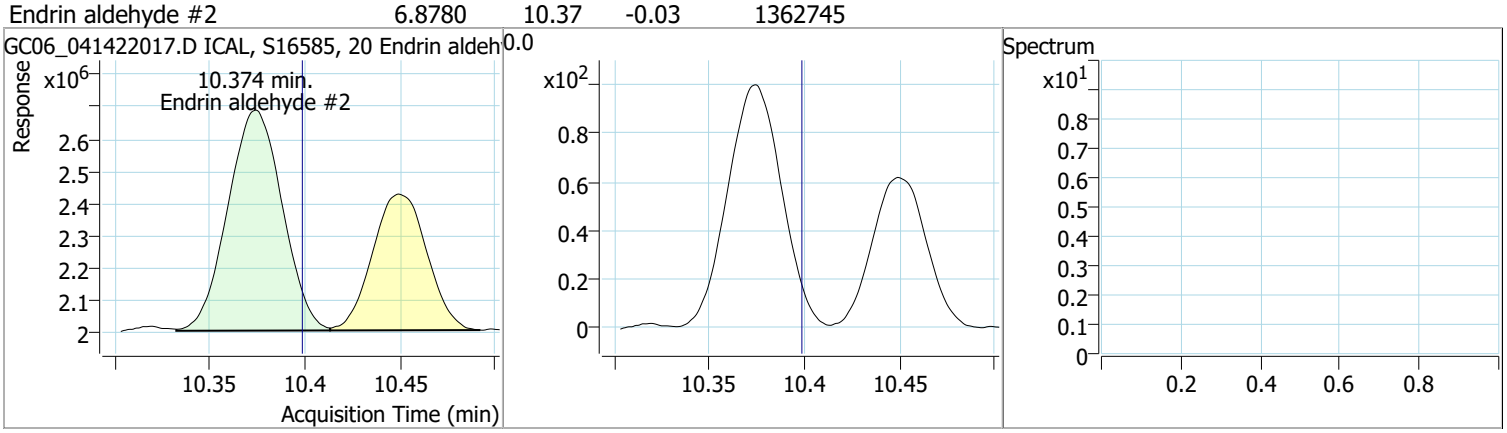
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	10.0295	10.24	0.00	2962599			



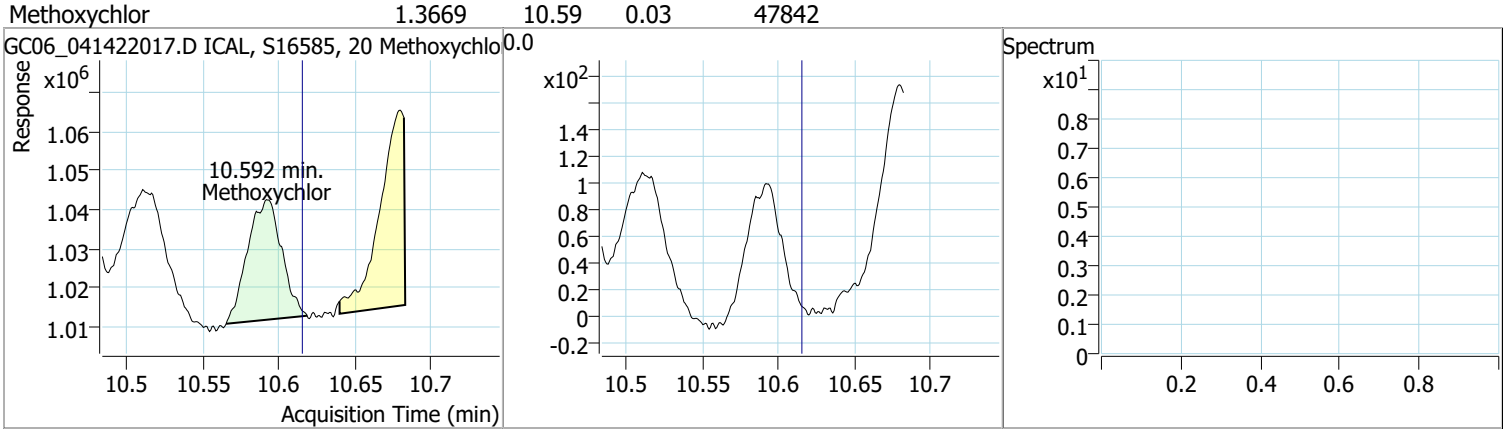
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	7.4254	10.34	0.06	412676			



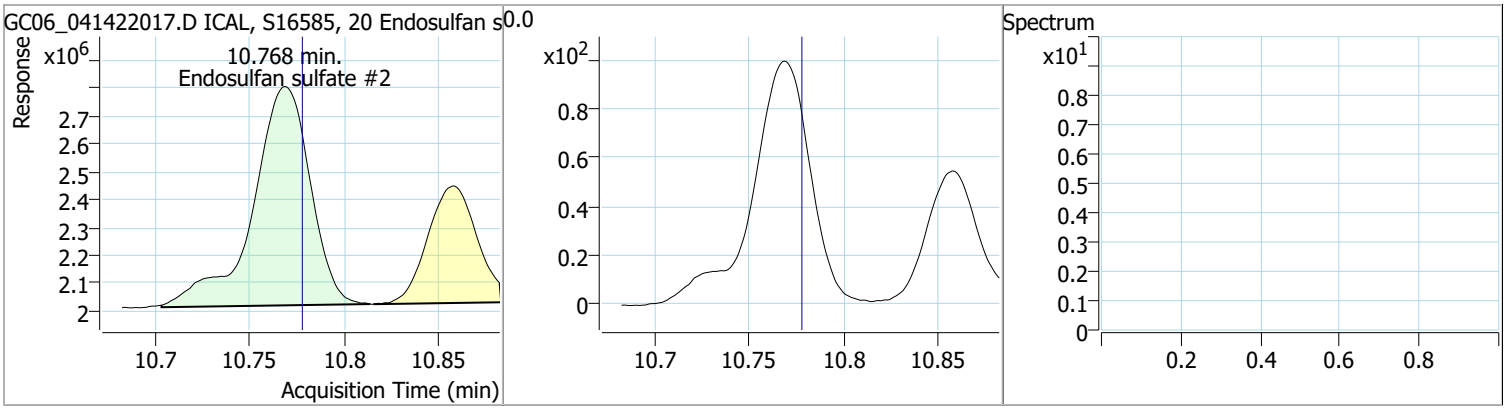
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	6.8780	10.37	-0.03	1362745			



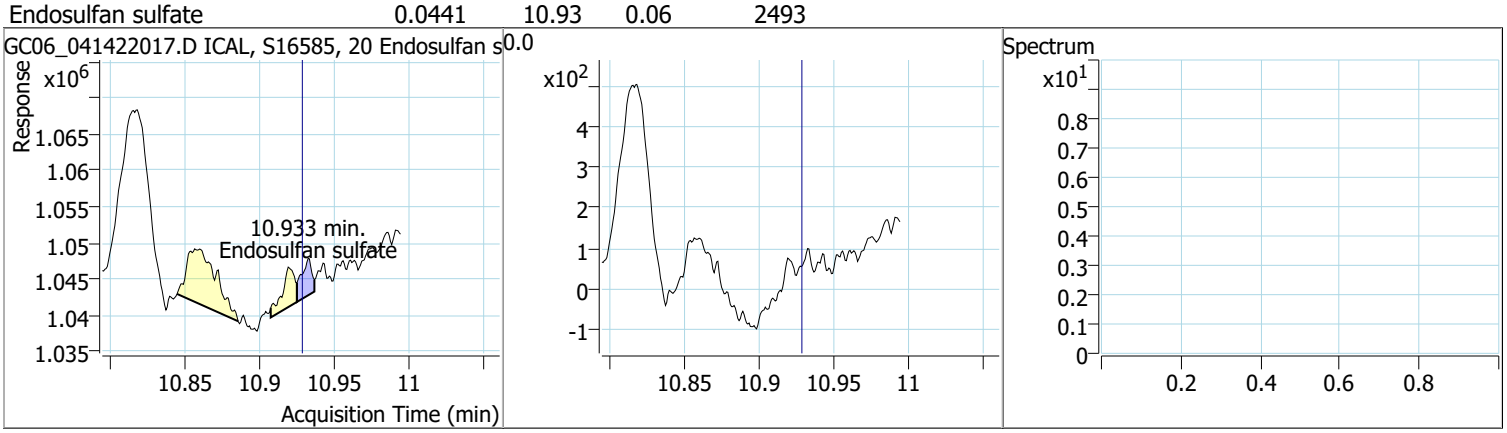
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	1.3669	10.59	0.03	47842			



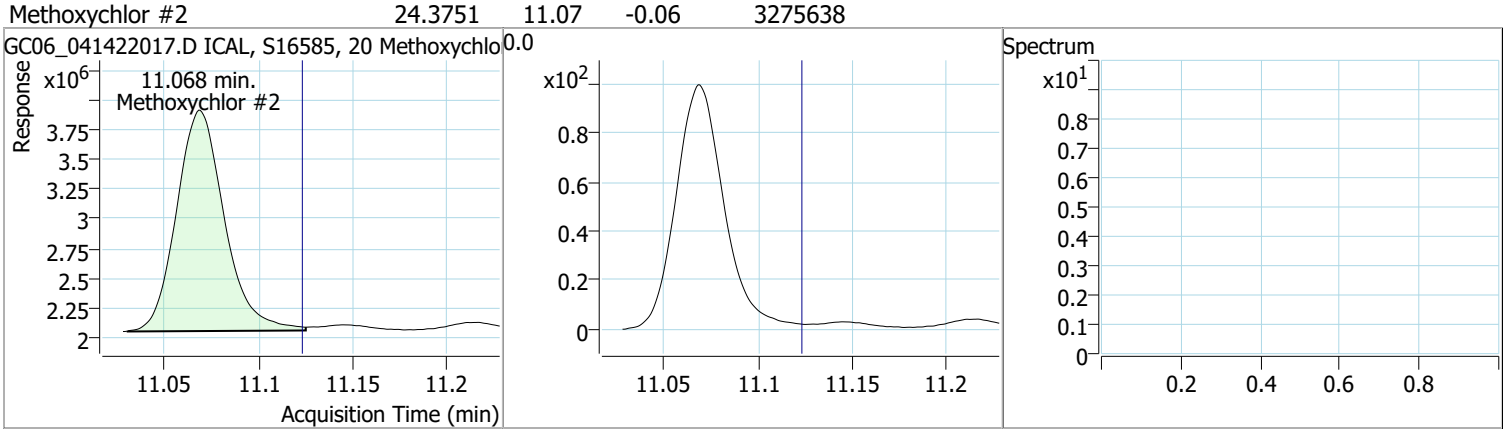
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	7.2755	10.77	-0.02	1662139			



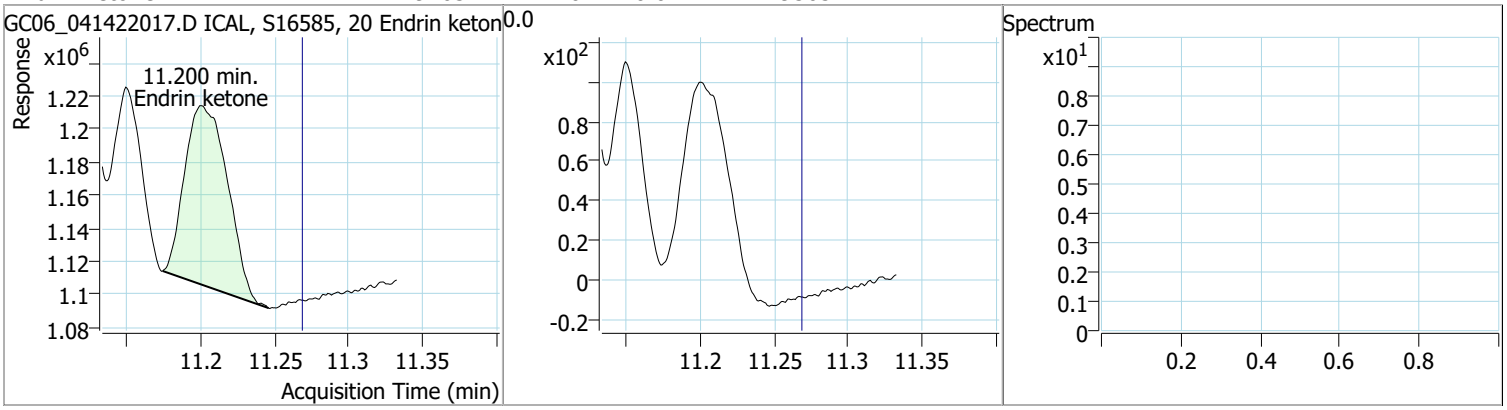
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	0.0441	10.93	0.06	2493			



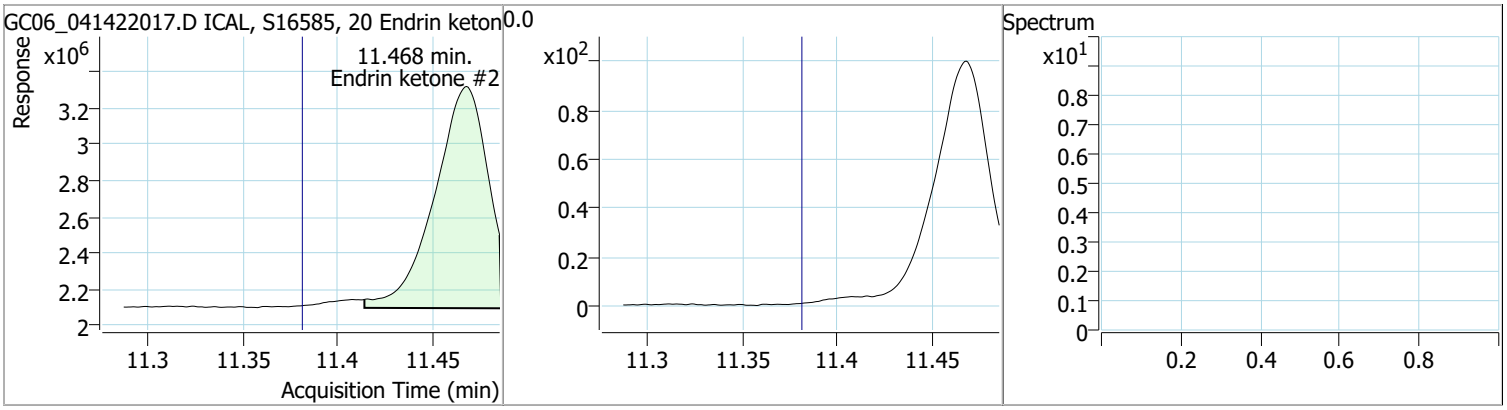
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	24.3751	11.07	-0.06	3275638			



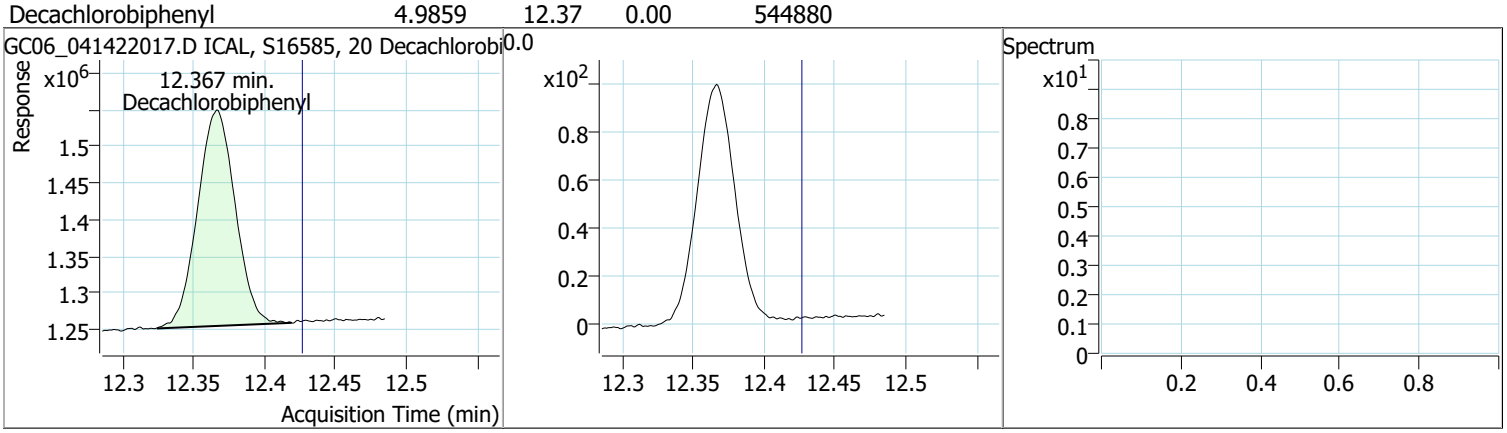
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	2.9203	11.20	-0.01	219505			



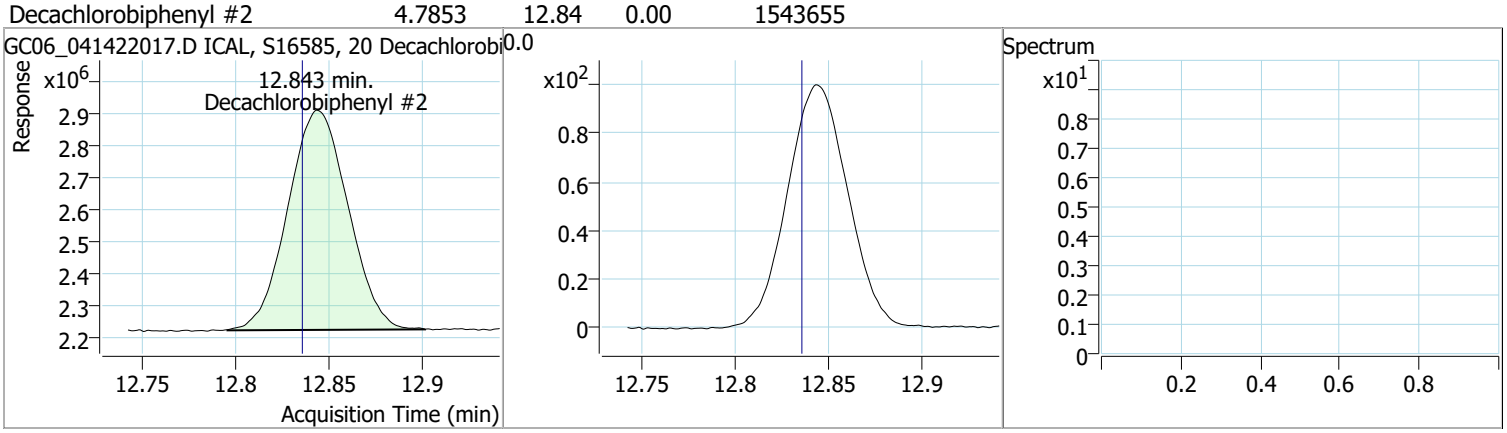
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	7.9882	11.47	0.08	2374924			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	4.9859	12.37	0.00	544880			

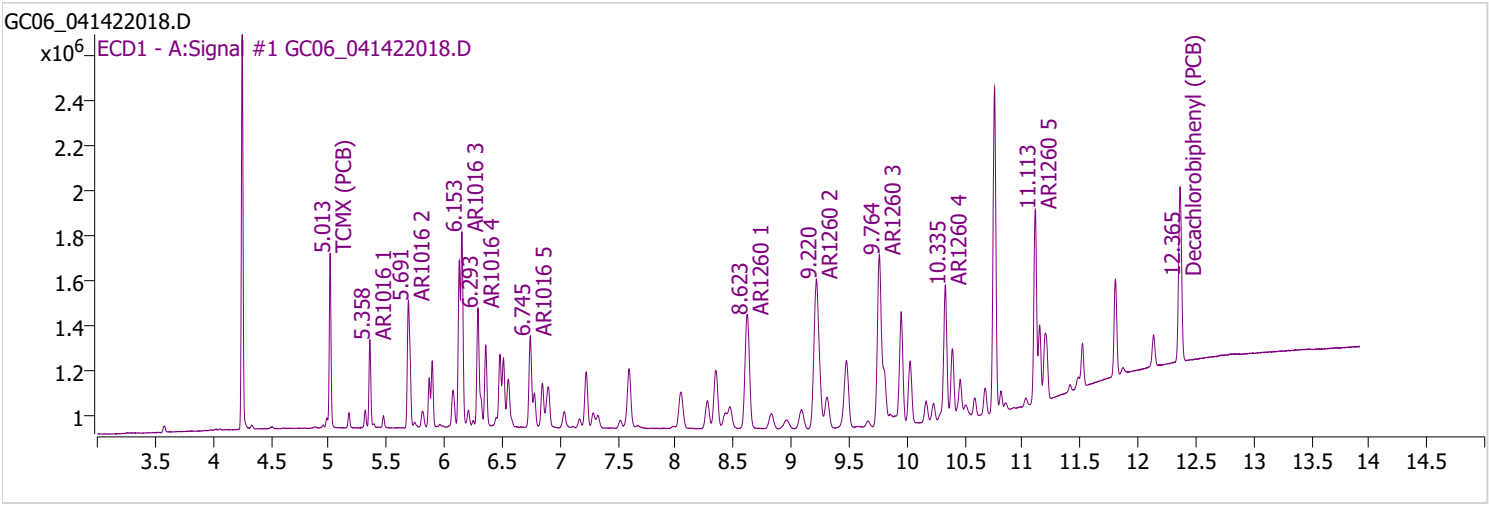


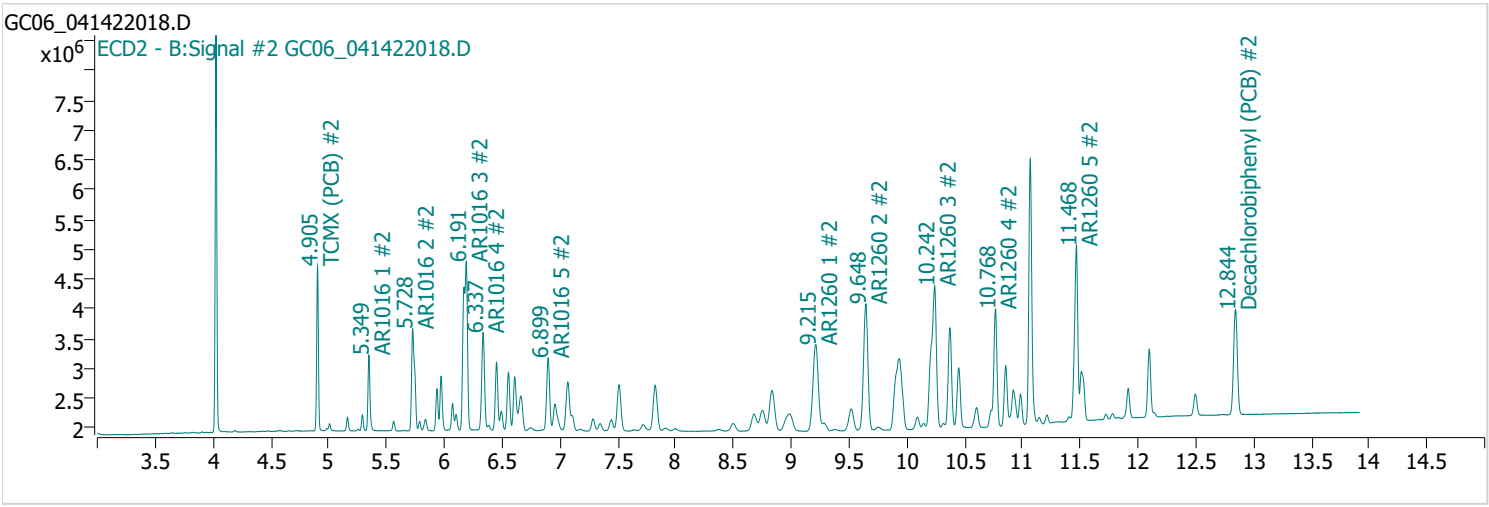
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	4.7853	12.84	0.00	1543655			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422018.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 7:33:59 PM
Sample Name	ICAL, S16585, 8	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 114	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



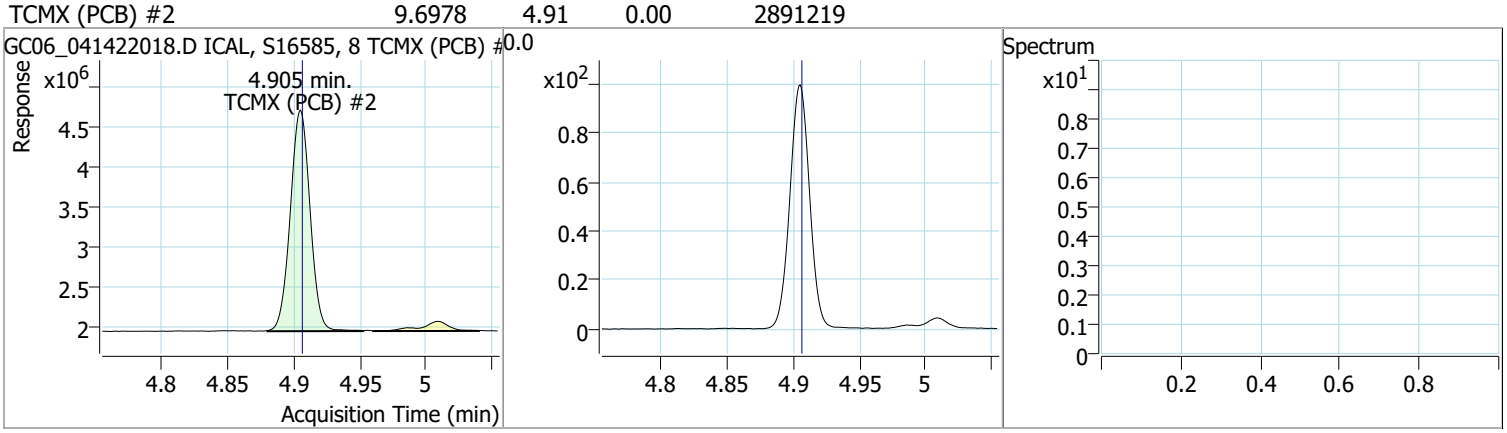


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.253	4.027	1820556	6508941	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.013	4.905	813524	2891219	9.290	9.698	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	46.45% *	48.49% *	
S Decachlorobiphenyl (PCB)	12.365	12.844	1430102	4047244	10.331	10.305	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	51.66%	51.52%	
Target Compounds							
T AR1016 1	5.358	5.349	457924	1557601	257.142	255.536	ng/ml
T AR1016 2	5.691	5.728	935259	3226343	241.201	255.057	ng/ml
T AR1016 3	6.153	6.191	1142128	4149358 m	250.277	248.730	ng/ml
T AR1016 4	6.293	6.337	848628	2863787	248.499	253.035	ng/ml
T AR1016 5	6.745	6.899	654329	2208069	247.696	249.541	ng/ml
T AR1260 1	8.623	9.215	1377678	4761062 m	240.459	241.679	ng/ml
T AR1260 2	9.220	9.648	2113917	5557383	239.550	244.145	ng/ml
T AR1260 3	9.764	10.242	2170500	7428428	236.600	240.203	ng/ml
T AR1260 4	10.335	10.768	1089495	4107005	238.800	245.423	ng/ml

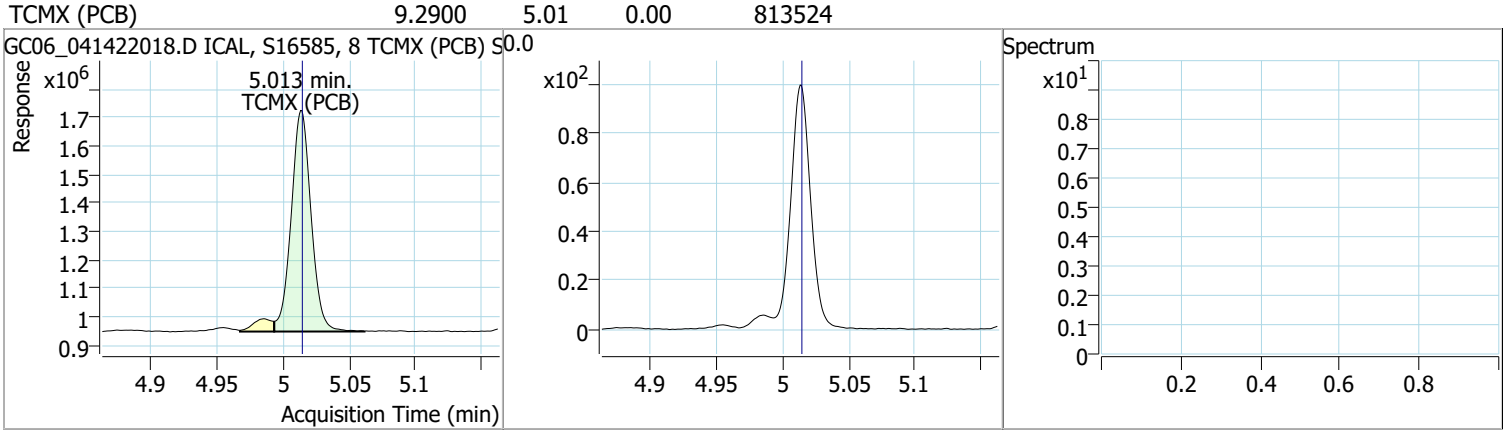
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.113	11.468	1425557	5858491	236.080	237.454	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

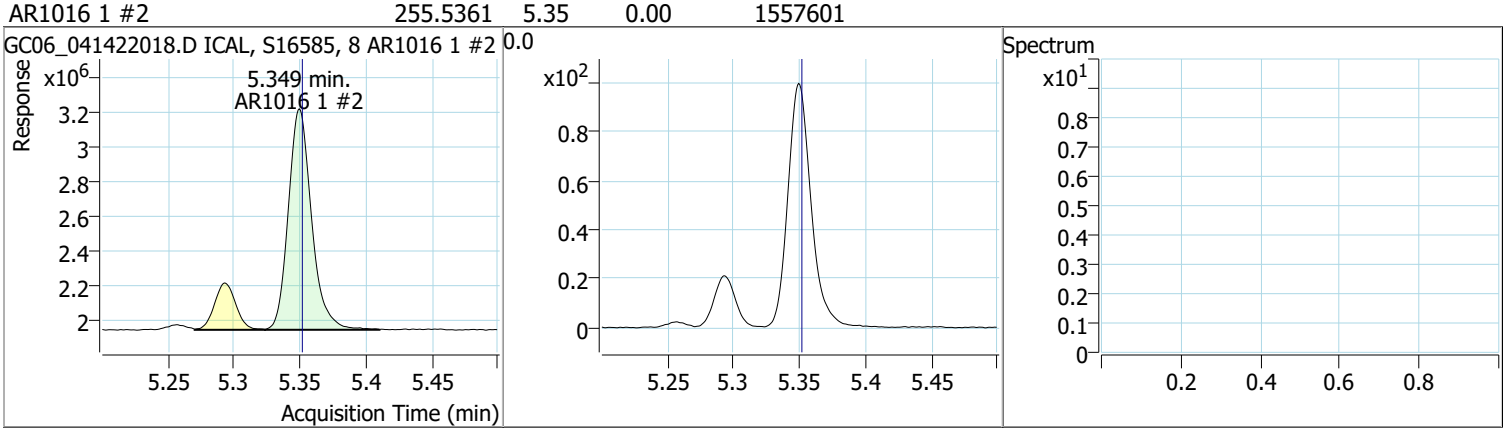
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	9.6978	4.91	0.00	2891219			



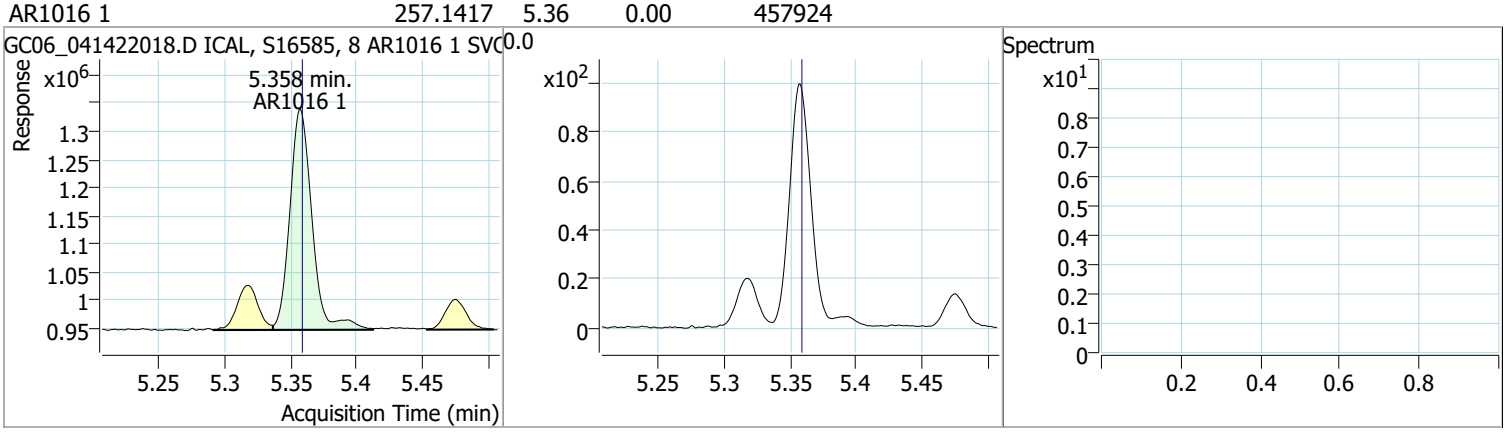
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	9.2900	5.01	0.00	813524			



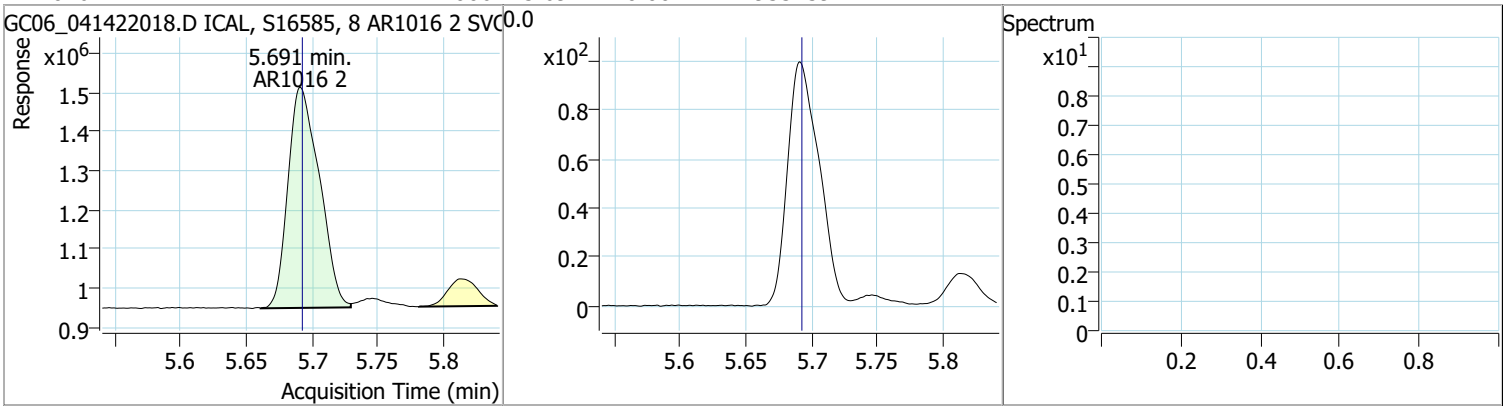
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	255.5361	5.35	0.00	1557601			



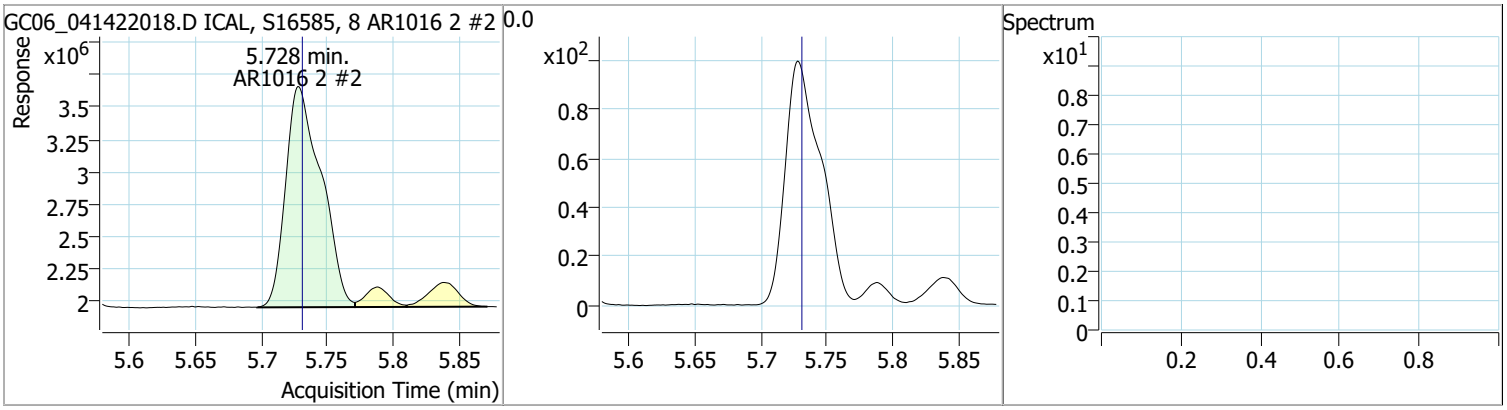
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	257.1417	5.36	0.00	457924			



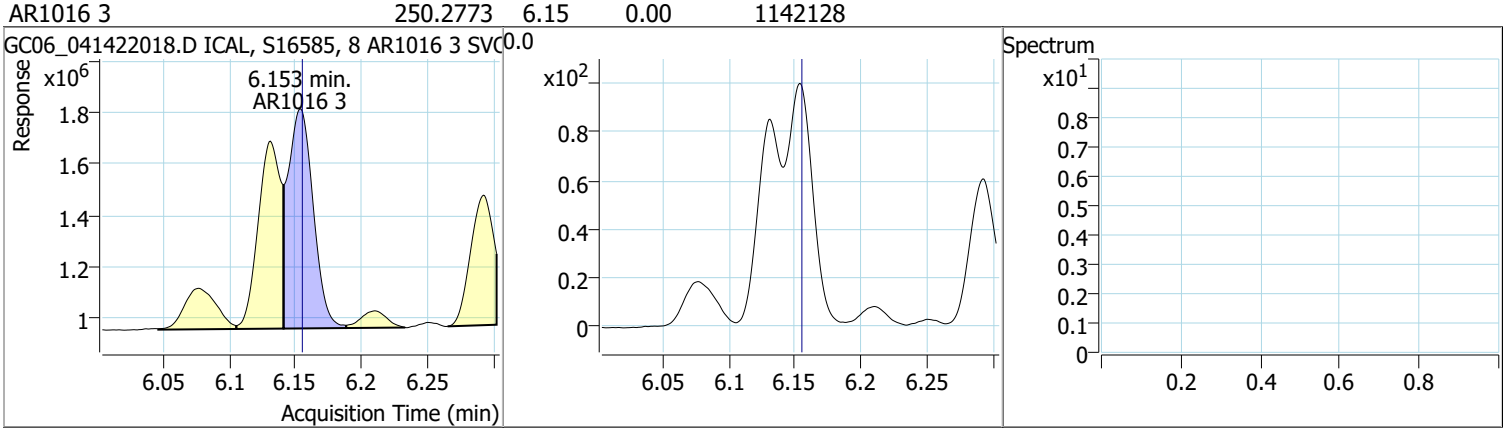
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	241.2006	5.69	0.00	935259			



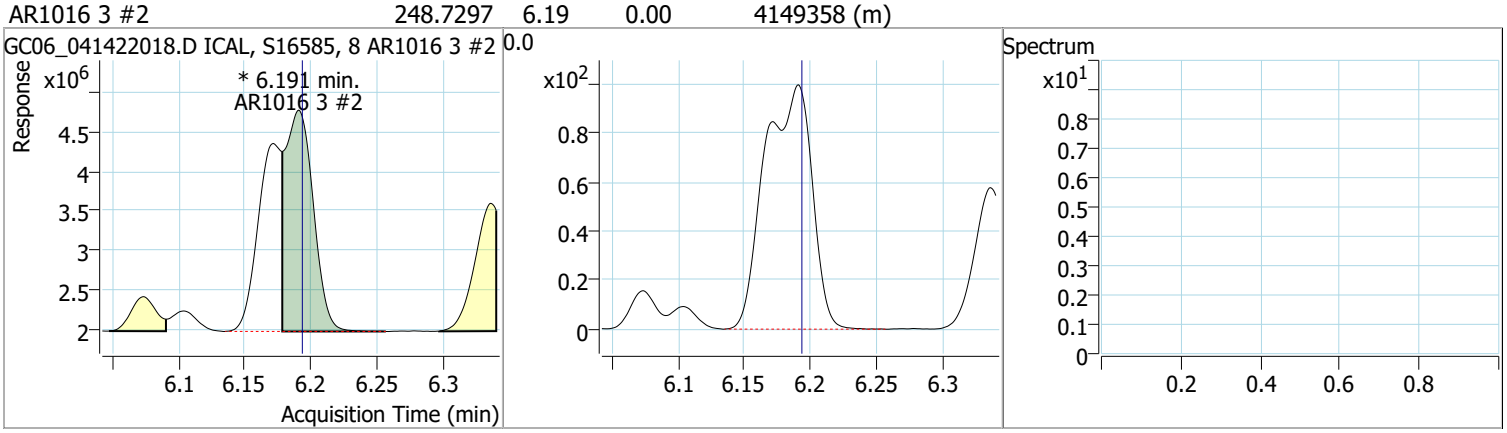
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	255.0565	5.73	0.00	3226343			



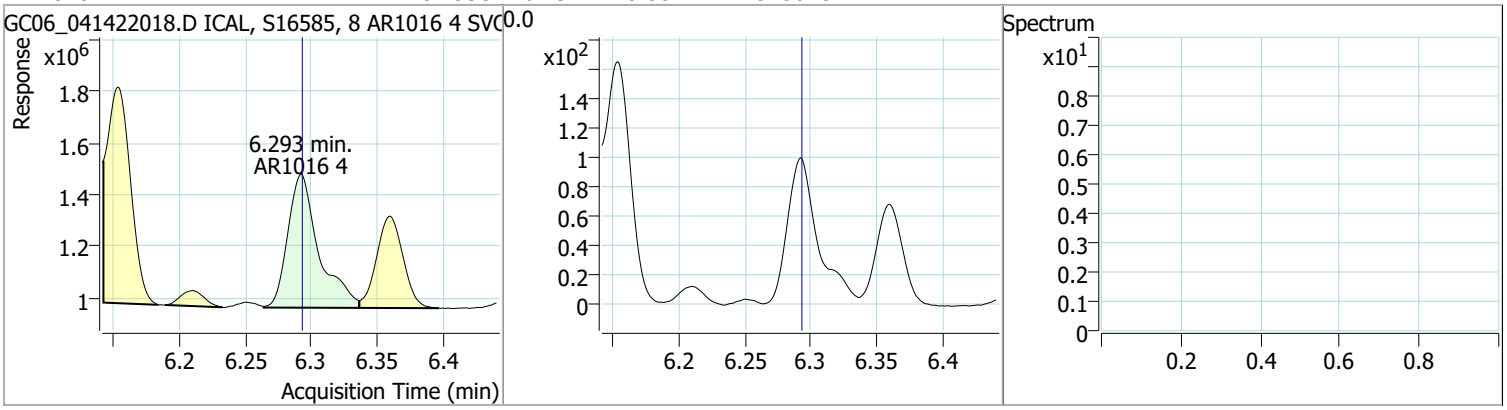
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	250.2773	6.15	0.00	1142128			



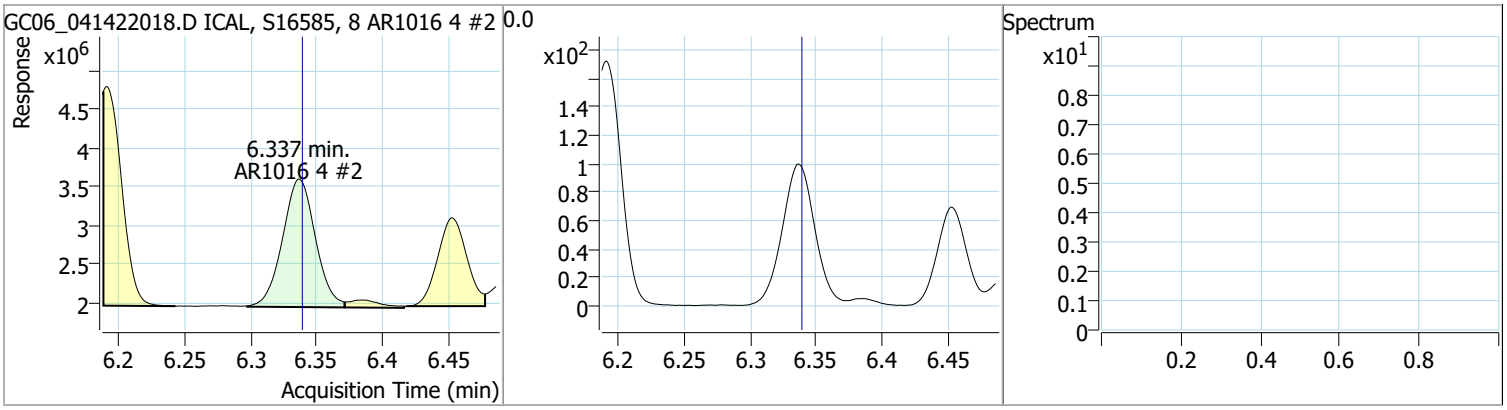
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	248.7297	6.19	0.00	4149358 (m)			



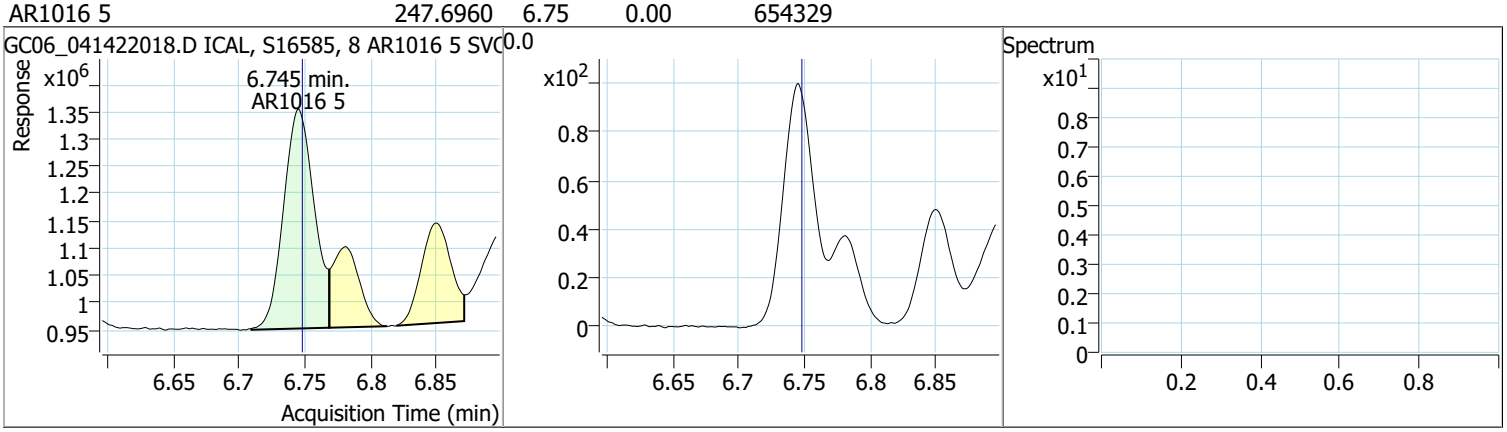
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	248.4995	6.29	0.00	848628			



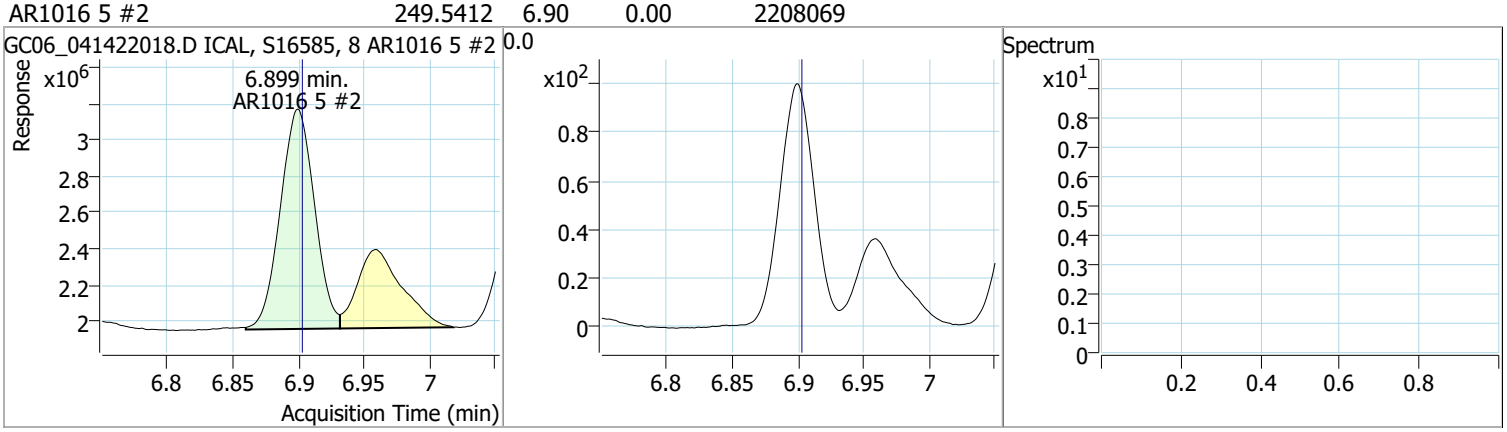
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	253.0345	6.34	0.00	2863787			



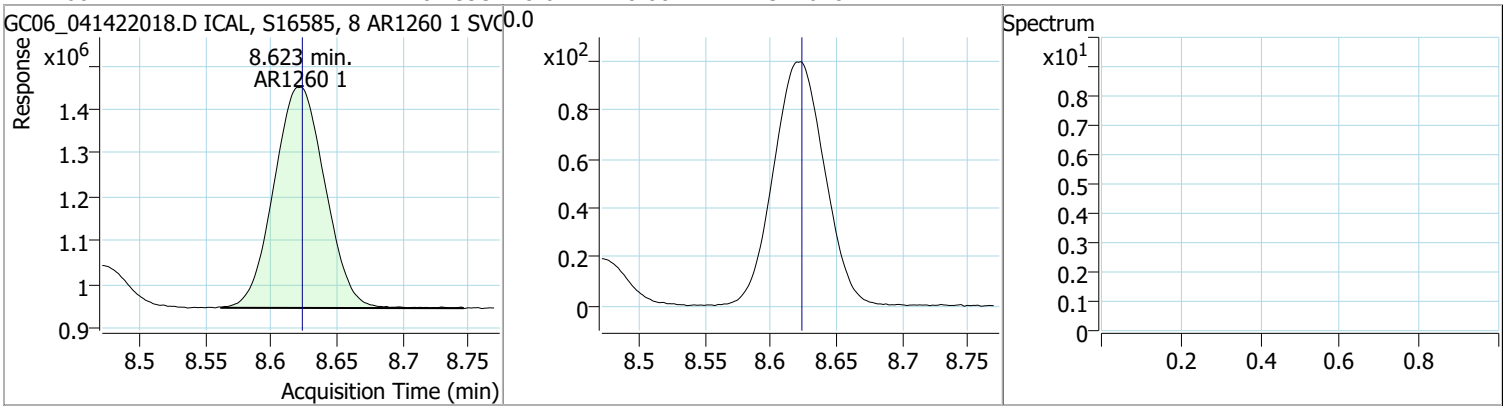
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	247.6960	6.75	0.00	654329			



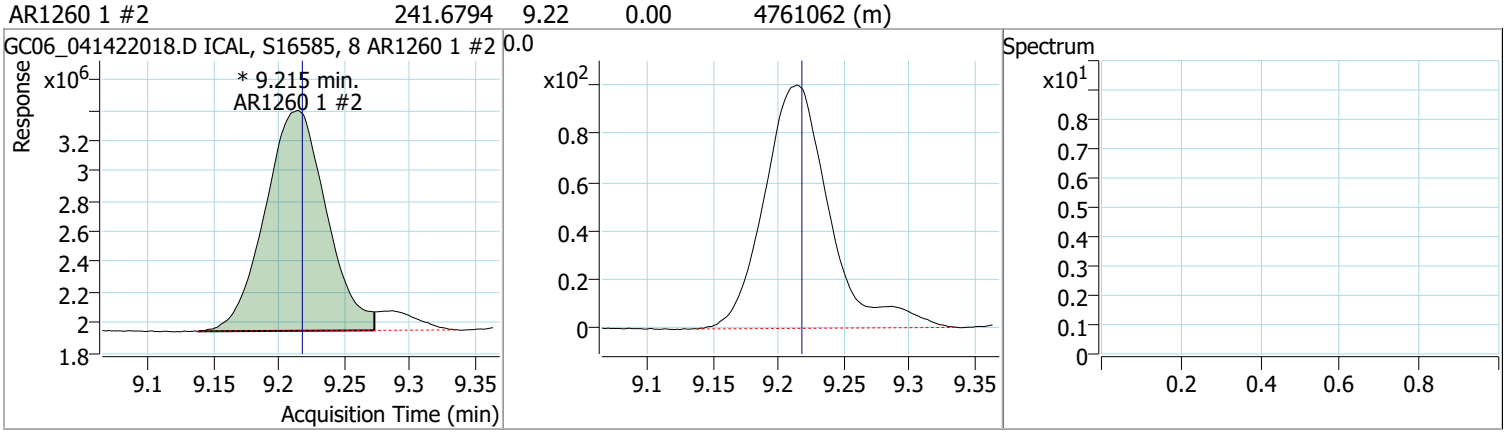
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	249.5412	6.90	0.00	2208069			



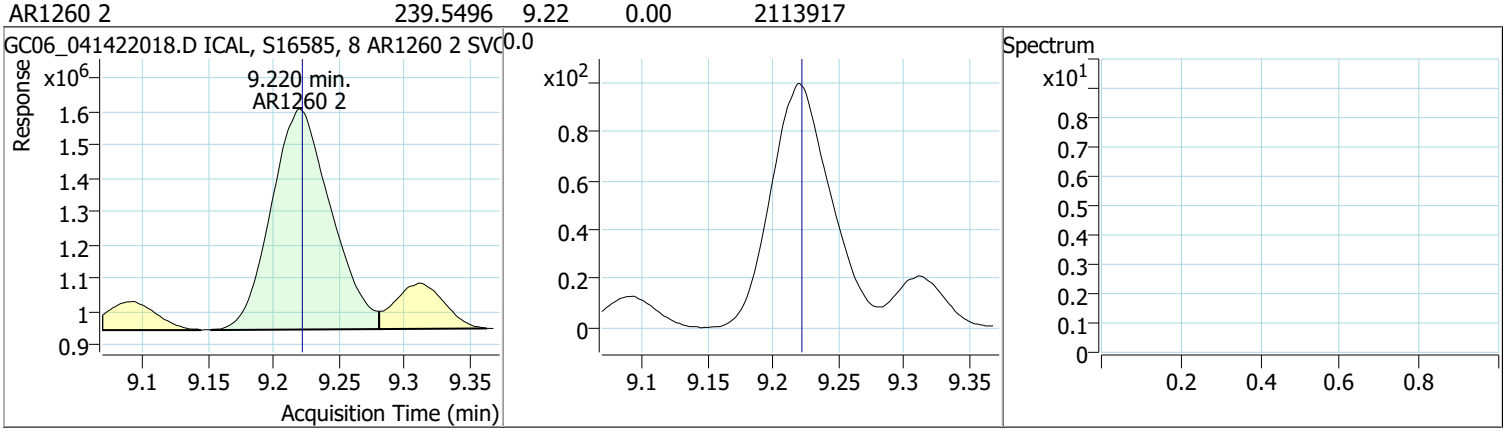
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	240.4595	8.62	0.00	1377678			



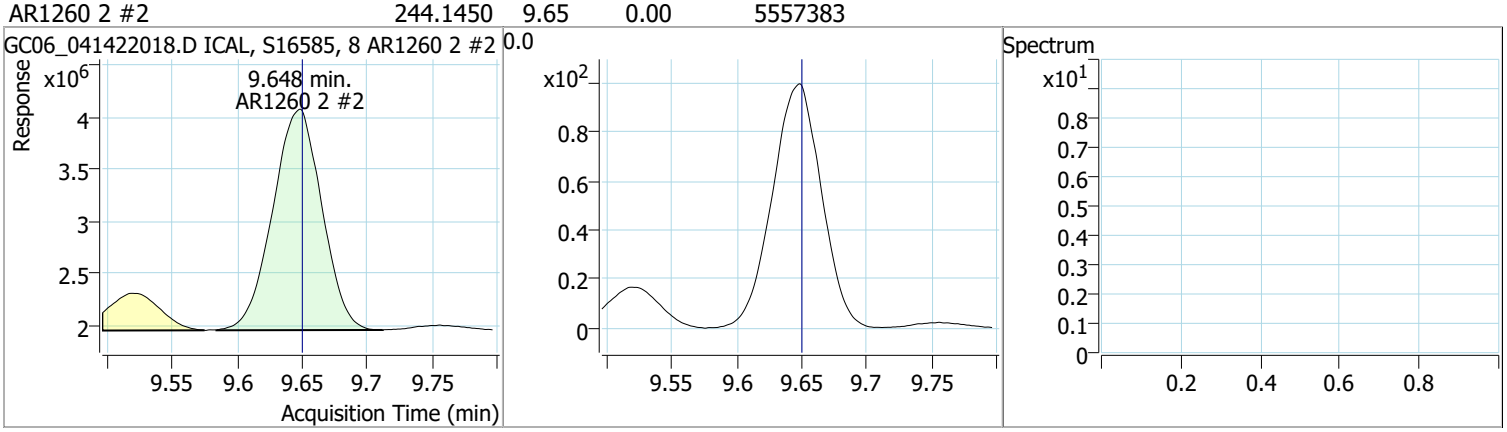
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	241.6794	9.22	0.00	4761062 (m)			



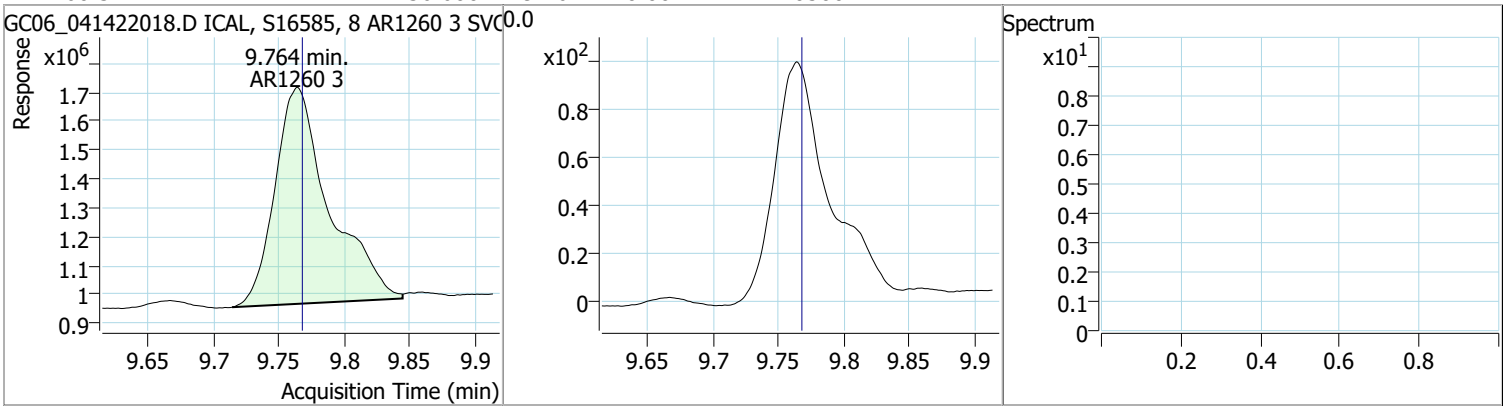
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	239.5496	9.22	0.00	2113917			



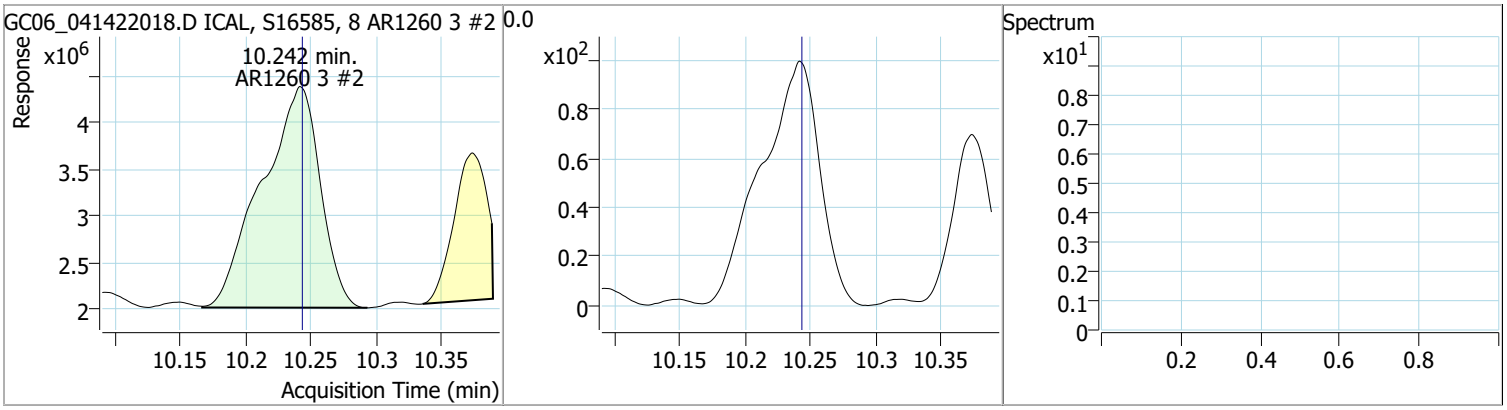
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	244.1450	9.65	0.00	5557383			



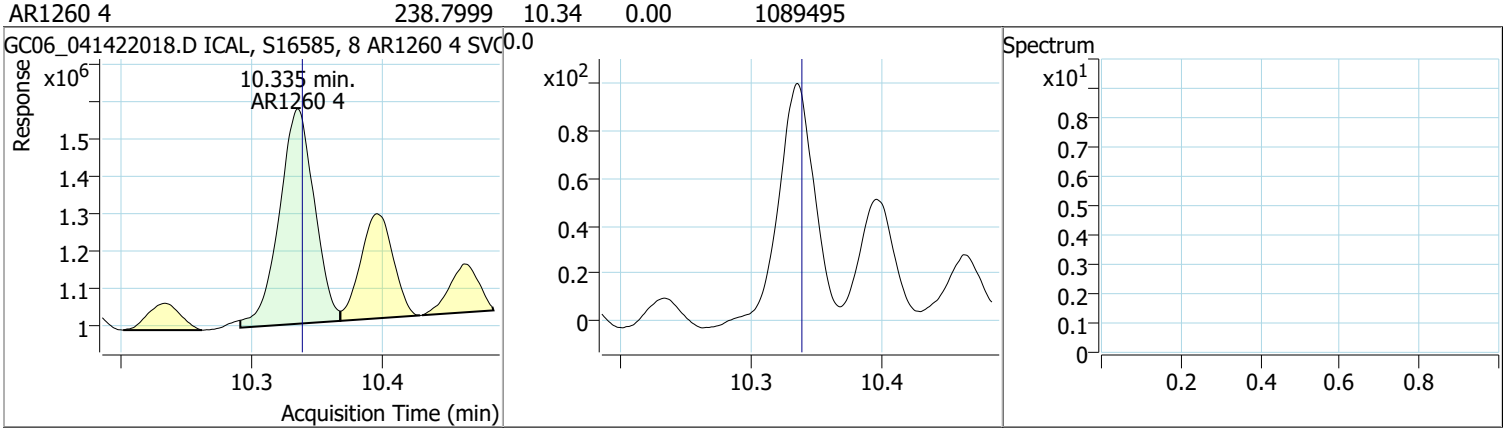
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	236.6001	9.76	0.00	2170500			



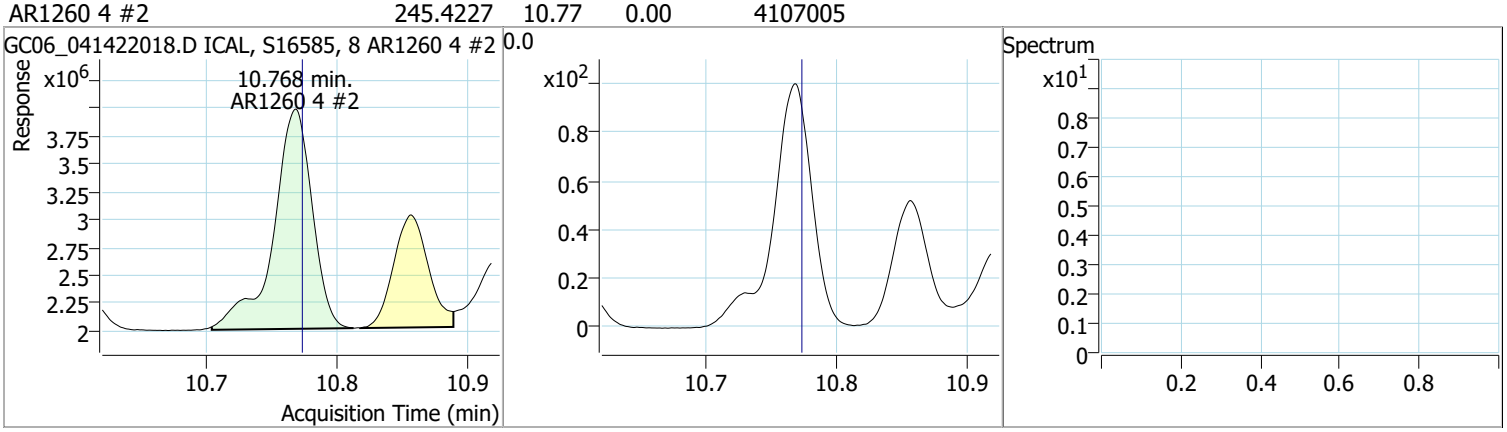
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	240.2026	10.24	0.00	7428428			



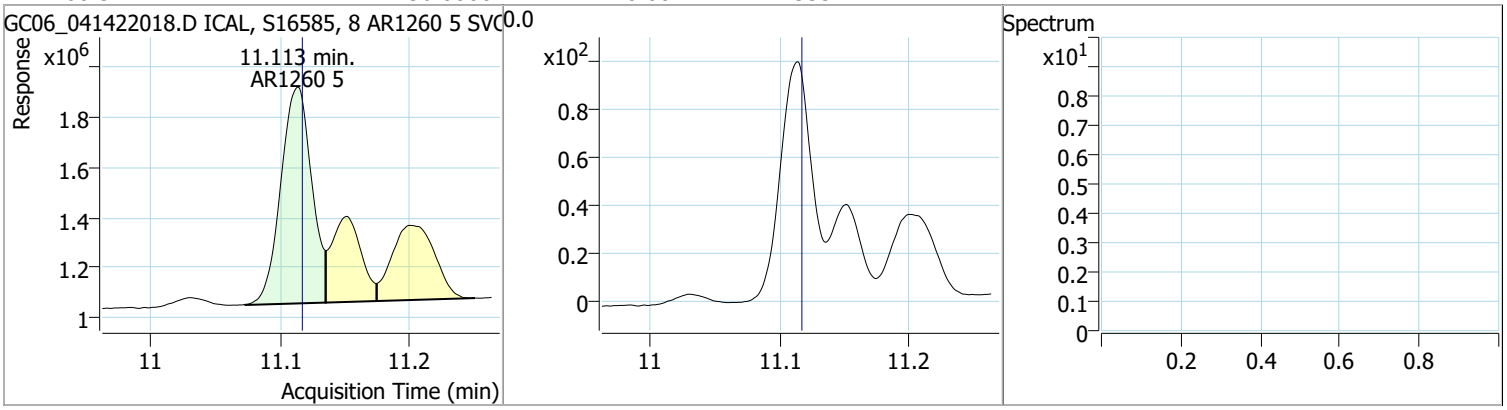
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	238.7999	10.34	0.00	1089495			



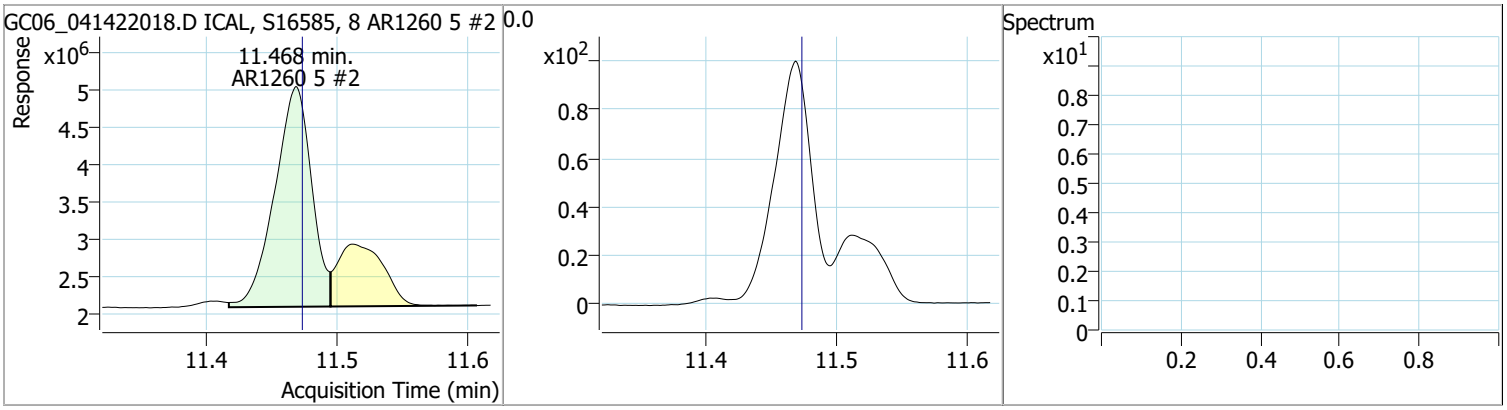
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	245.4227	10.77	0.00	4107005			



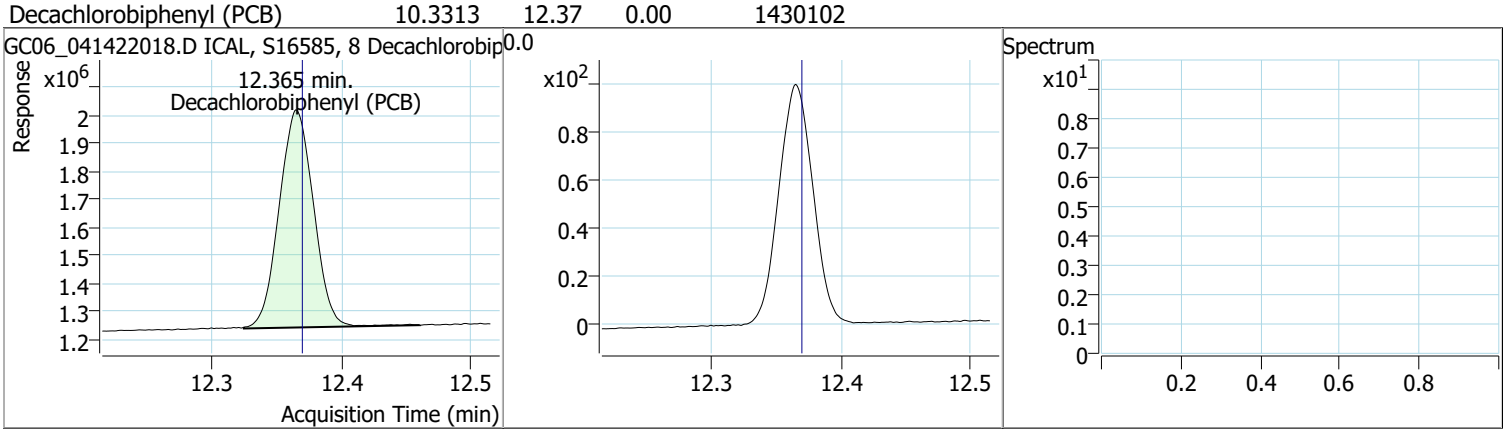
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	236.0800	11.11	0.00	1425557			



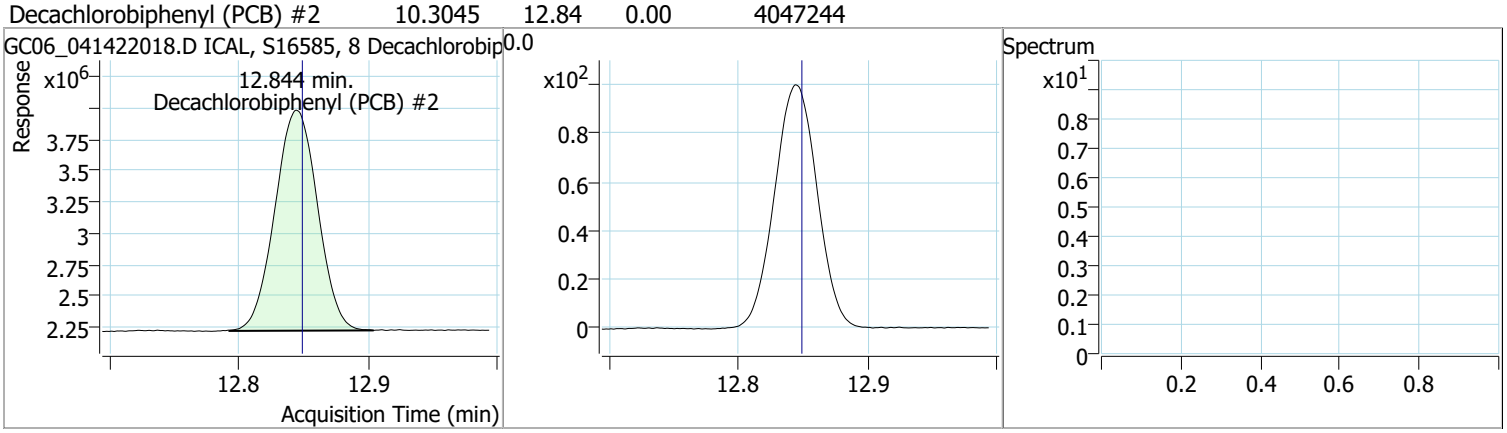
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	237.4541	11.47	0.00	5858491			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	10.3313	12.37	0.00	1430102			

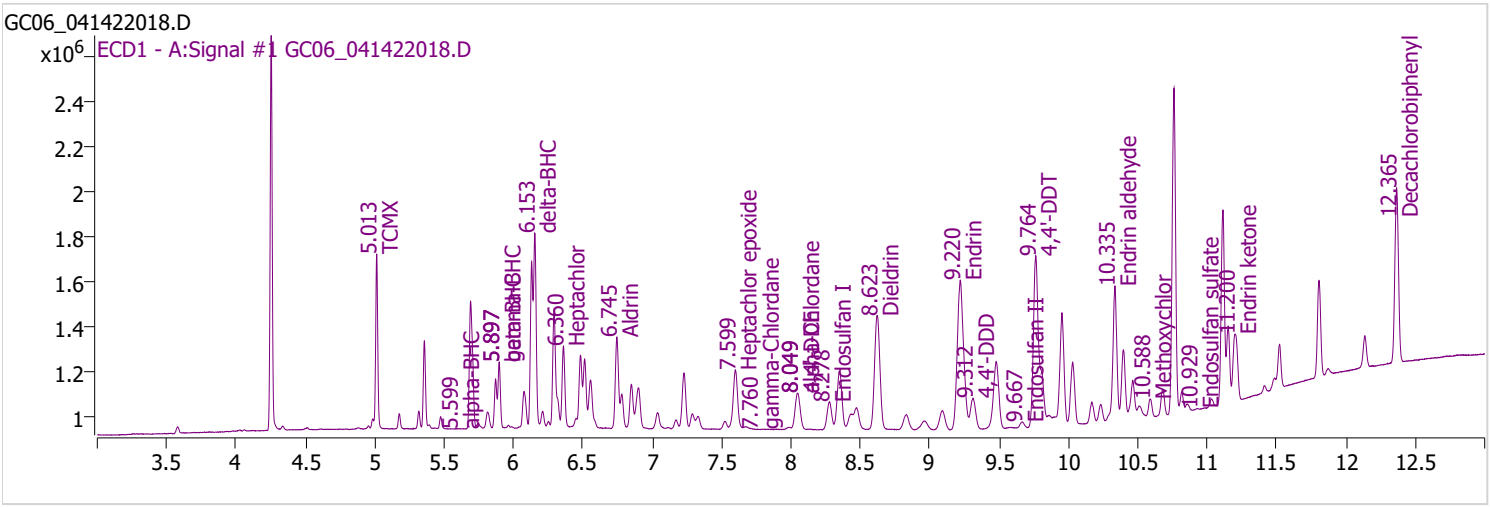


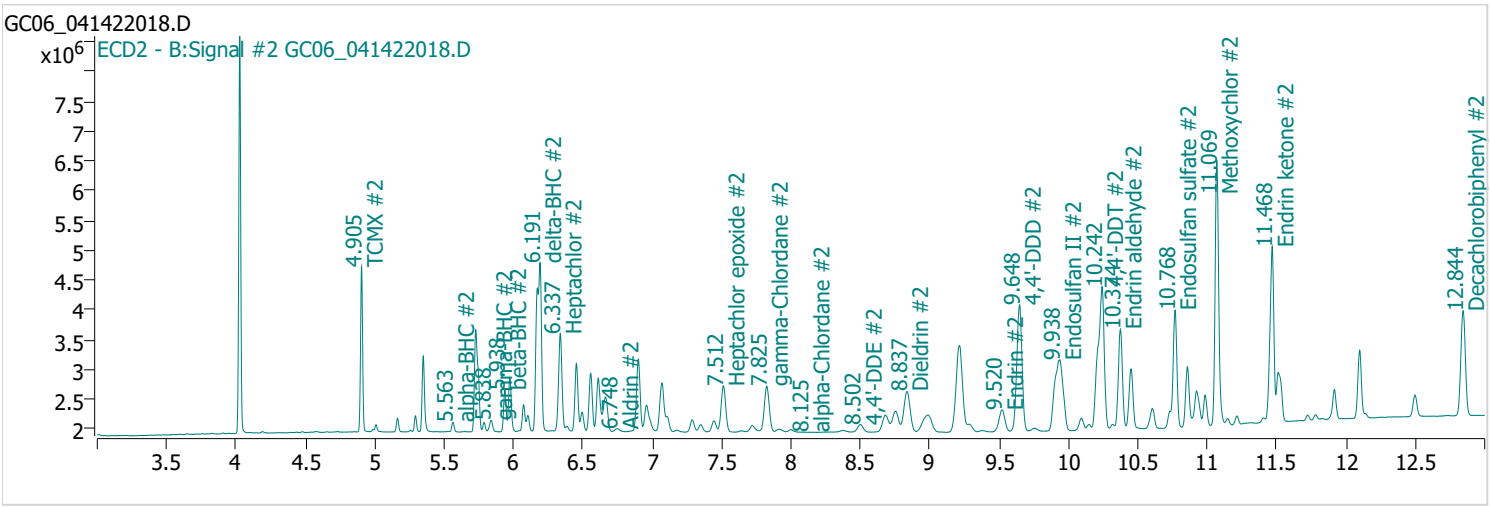
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	10.3045	12.84	0.00	4047244			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422018.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 7:33:59 PM
Sample Name	ICAL, S16585, 8	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 114	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 7:48:13 PM



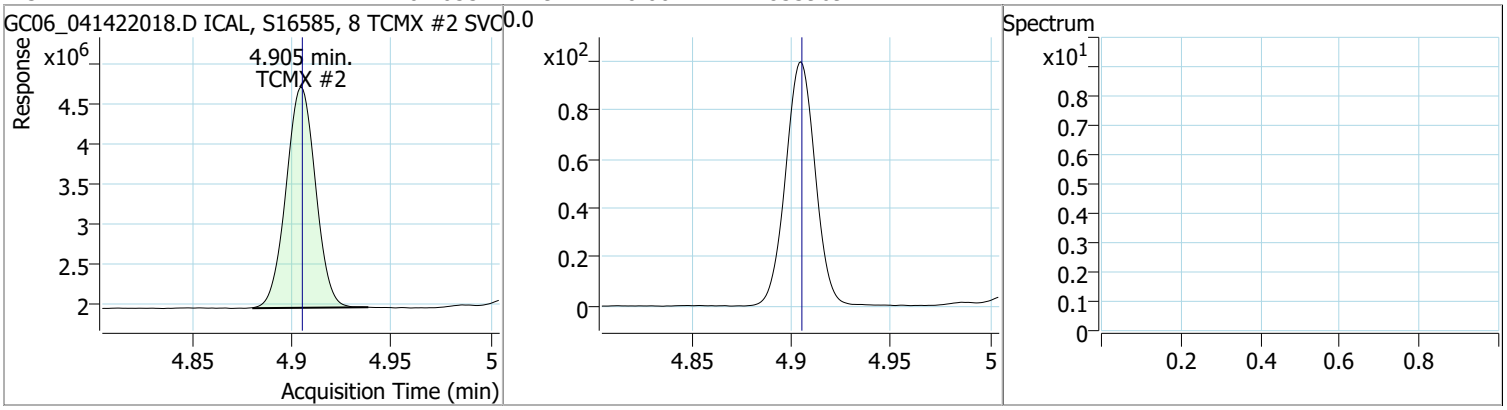


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.253	4.027	1810417	6499905	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.013	4.905	811346	2853969	9.746	10.206	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	48.73% *	51.03%	
S Decachlorobiphenyl	12.365	12.844	1415434	4046605	11.288	11.006	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	56.44%	55.03%	
Target Compounds							
T alpha-BHC	5.599	5.563 f	2285	173751	0.032	0.648 #	ng/ml
T gamma-BHC	5.897	5.838	352956	272025	4.384	1.003 #	ng/ml
T beta-BHC	5.897	5.938	353220	900456	8.858	5.866 #	ng/ml
T delta-BHC	6.153	6.191	1121361	7054070	10.720	14.459 #	ng/ml
T Heptachlor	6.360	6.337	440891	2815494	5.236	8.001 #	ng/ml
T Aldrin	6.745	6.748	654490	109610	7.342	0.384 #	ng/ml
T Heptachlor epoxide	7.599	7.512	560065	1627819	6.496	5.561	ng/ml
T gamma-Chlordane	7.760	7.825	651	1822297	0.009	5.746 #	ng/ml
T alpha-Chlordane	8.049	8.125	258648	870	3.630	0.004 #	ng/ml

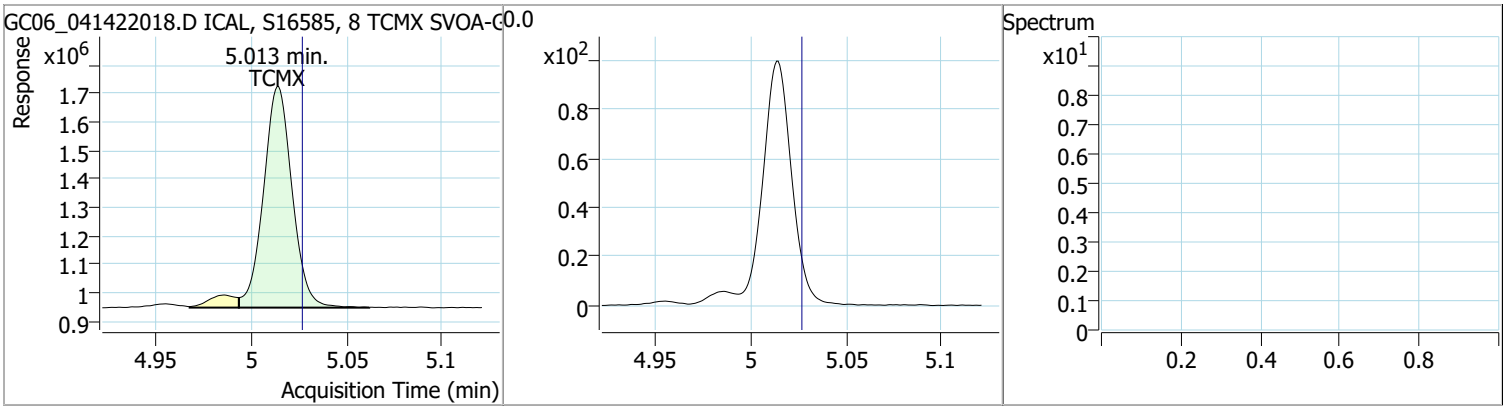
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.278	----	285063	0	4.254	N.D. #	ng/ml
T 4,4'-DDE	8.049	8.502 f	389107	323971	5.551	1.490 #	ng/ml
T Dieldrin	8.623	8.837	1377278	1442884	15.328	5.586 #	ng/ml
T Endrin	9.220	9.520	1953611	1048602	21.017	4.585 #	ng/ml
T 4,4'-DDD	9.312	9.648 f	210064	5022109	4.090	23.303 #	ng/ml
T Endosulfan II	9.667	9.938 f	53210	5247074	0.793	17.297 #	ng/ml
T 4,4'-DDT	9.764	10.242	1994739	7377662	28.536	21.922	ng/ml
T Endrin aldehyde	10.335	10.374	1010553	3311917	16.345	15.129	ng/ml
T Endosulfan sulfate	10.929	10.768	5056	4111671	0.086	16.211 #	ng/ml
T Methoxychlor	10.588	11.069 f	124996	7954126	3.462	54.575 #	ng/ml
T Endrin ketone	11.200	11.468 f	533254	5227834	6.654	15.923 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

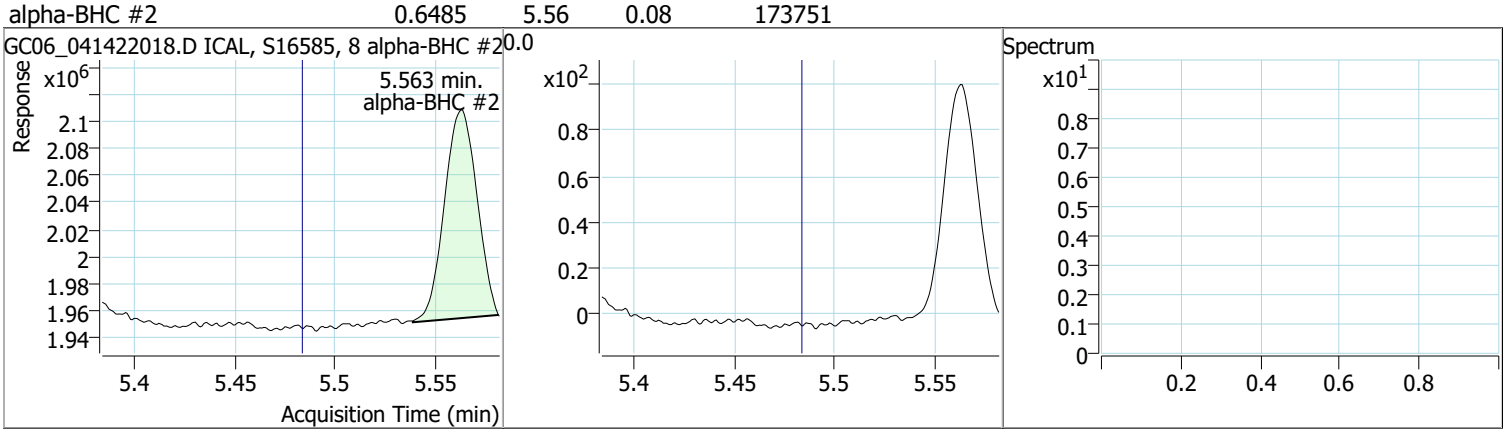
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	10.2055	4.91	0.00	2853969			



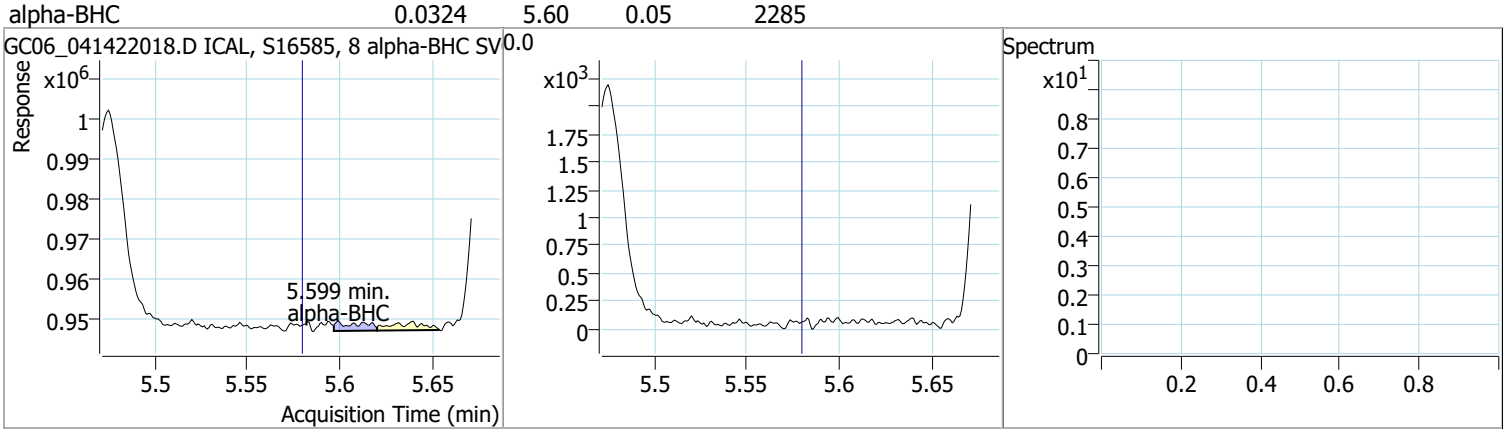
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	9.7457	5.01	0.02	811346			



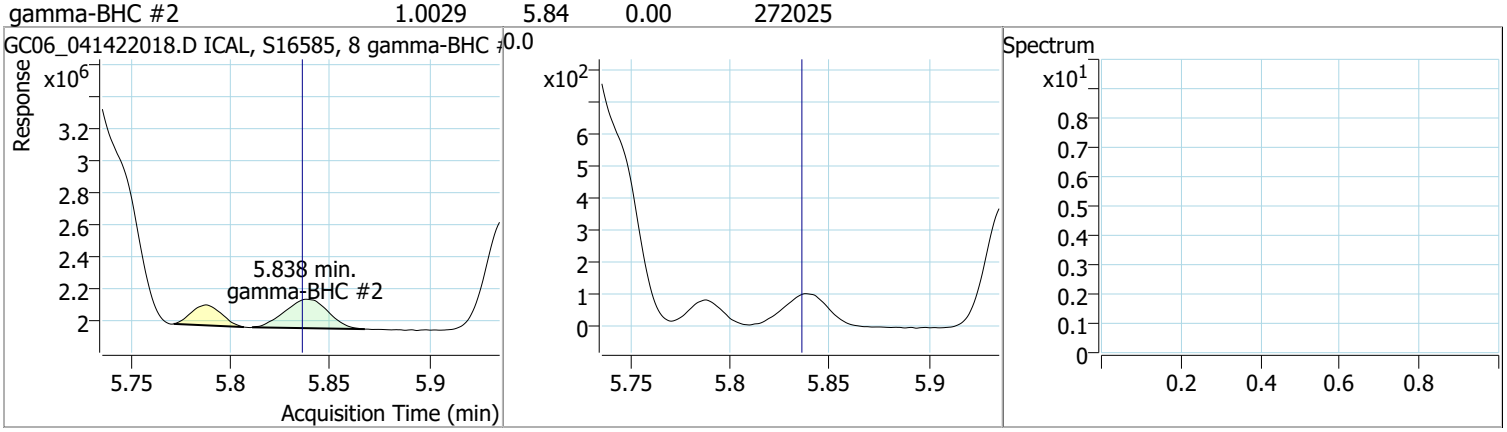
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	0.6485	5.56	0.08	173751			



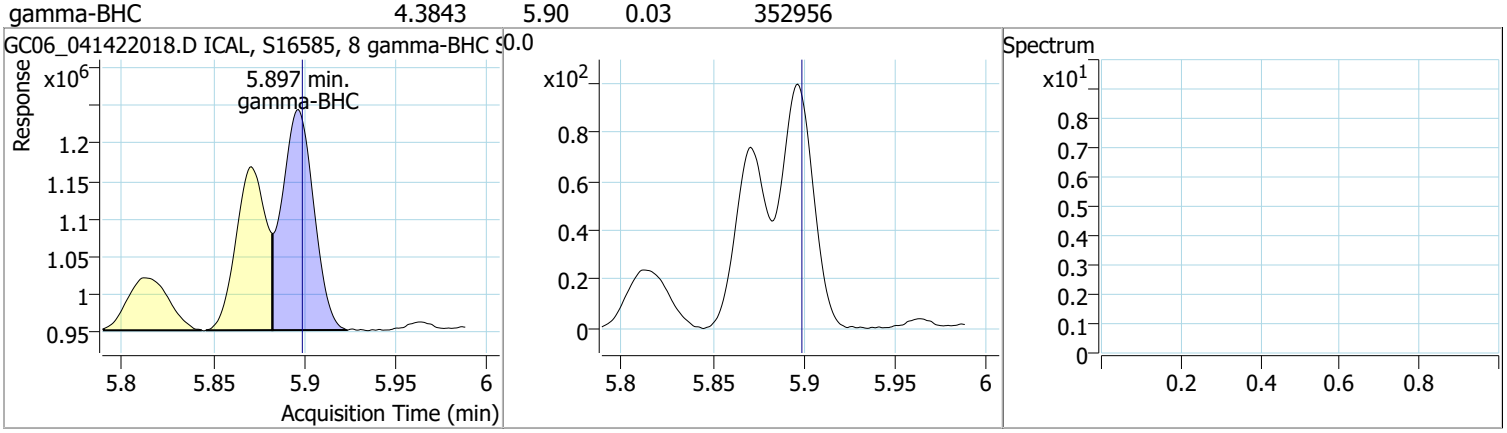
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC	0.0324	5.60	0.05	2285			



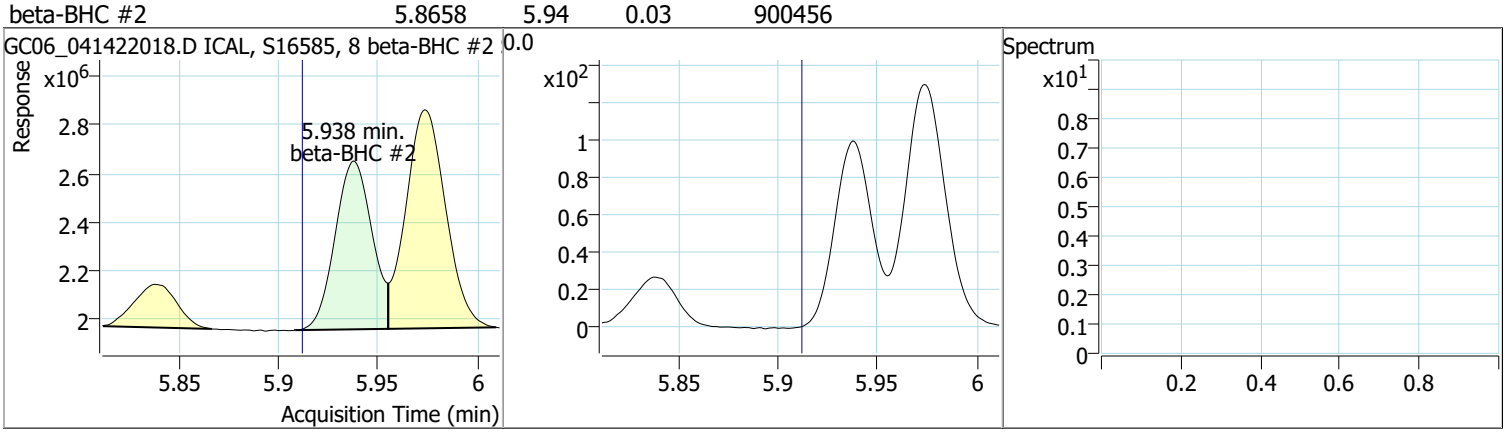
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	1.0029	5.84	0.00	272025			



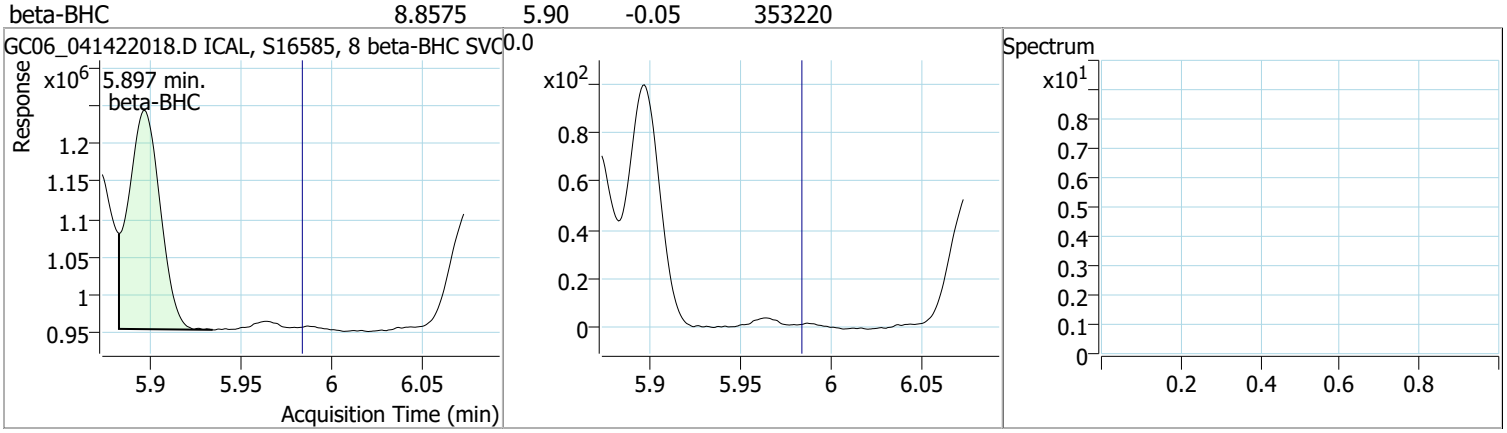
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	4.3843	5.90	0.03	352956			



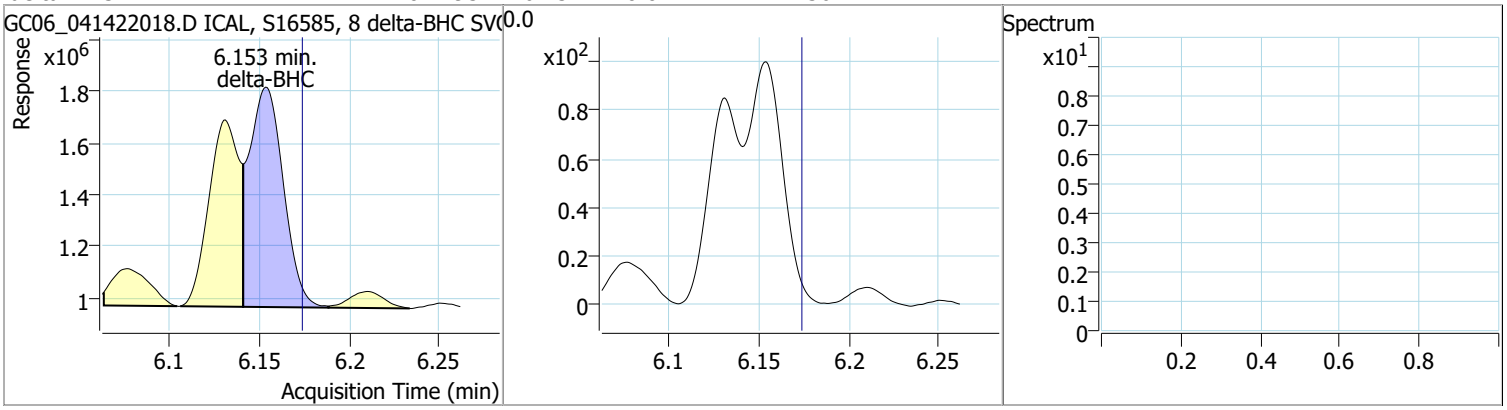
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	5.8658	5.94	0.03	900456			



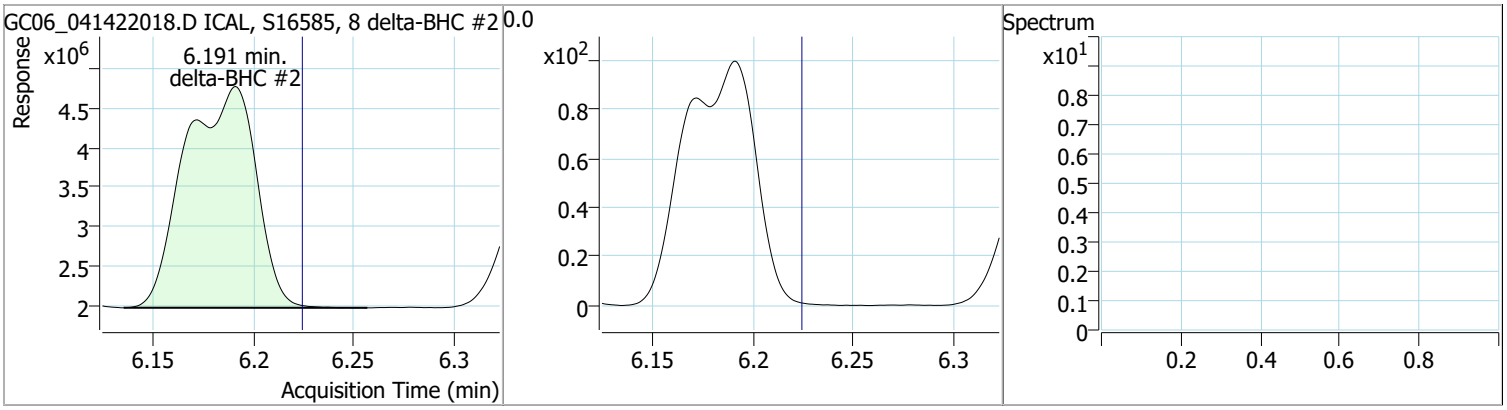
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	8.8575	5.90	-0.05	353220			



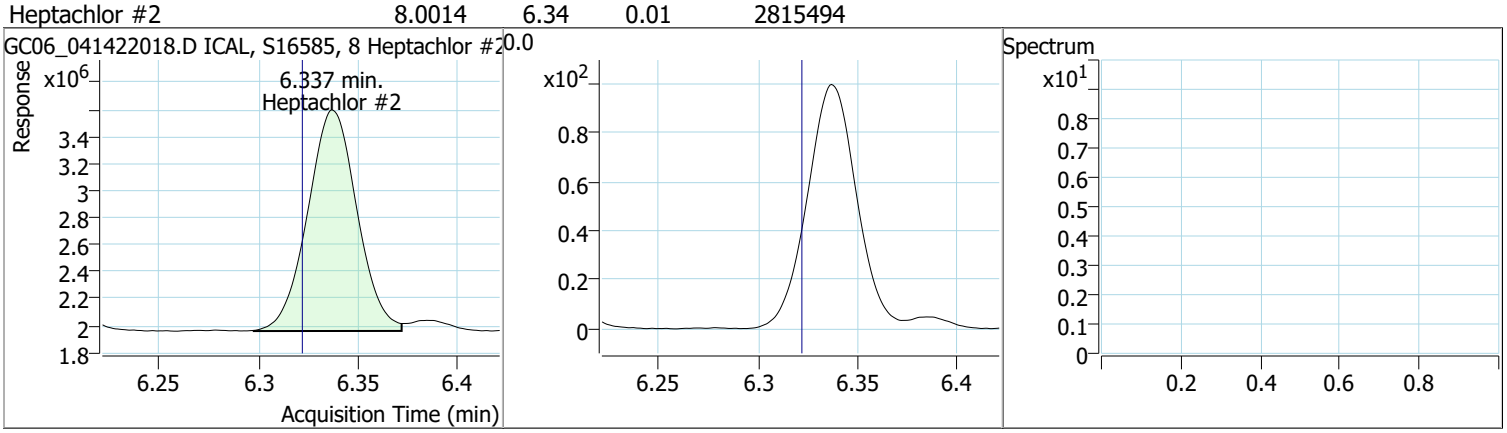
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	10.7195	6.15	0.01	1121361			



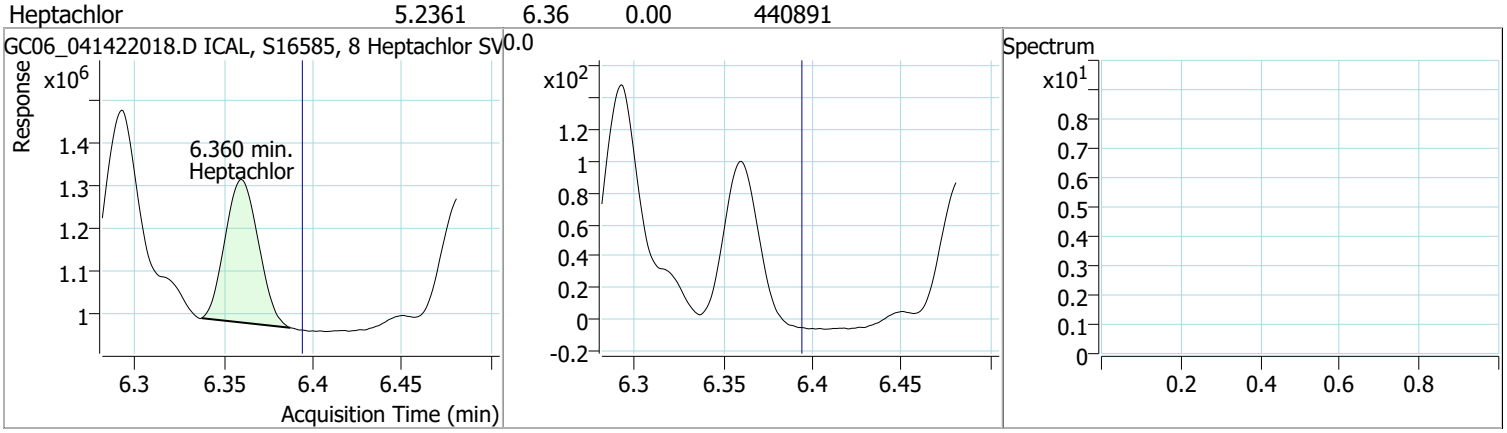
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	14.4595	6.19	-0.03	7054070			



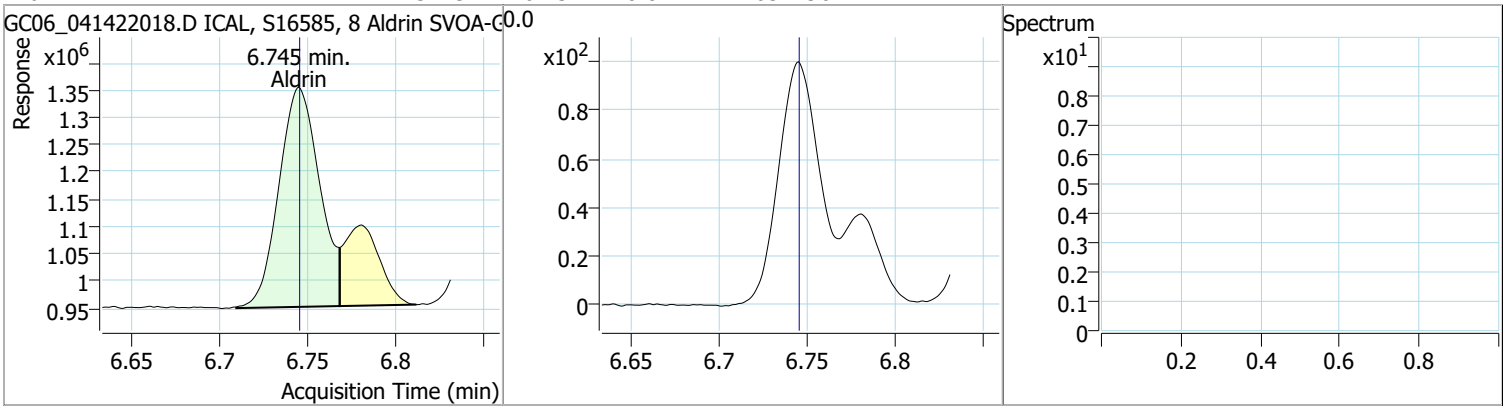
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	8.0014	6.34	0.01	2815494			



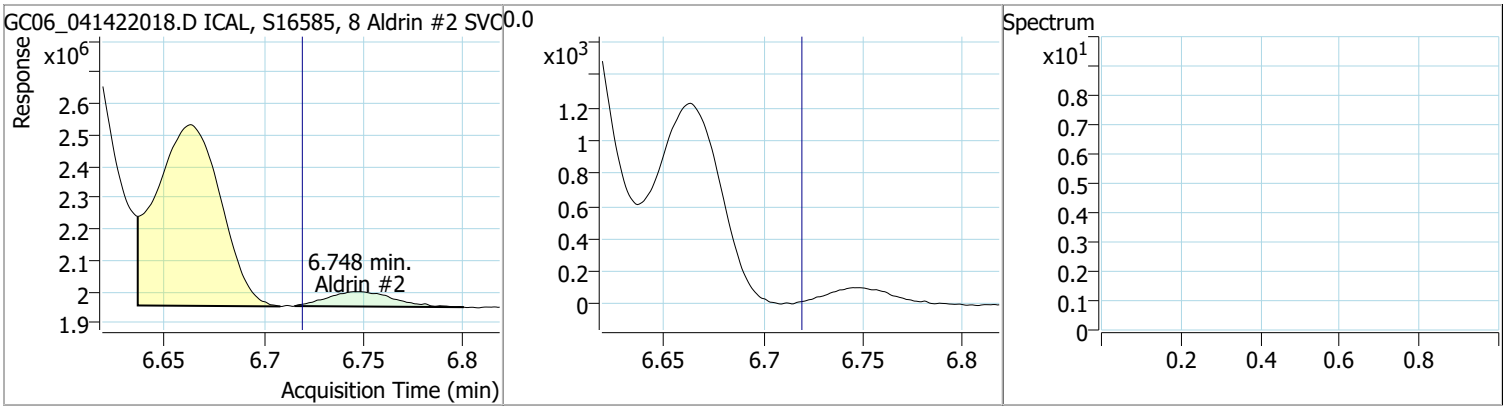
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	5.2361	6.36	0.00	440891			



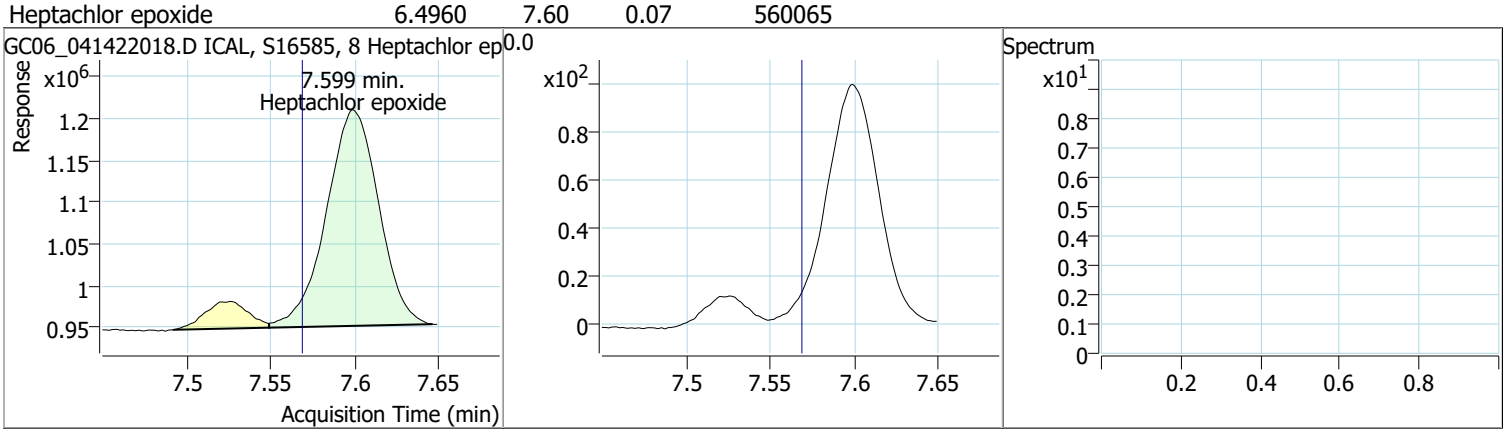
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	7.3425	6.75	0.04	654490			



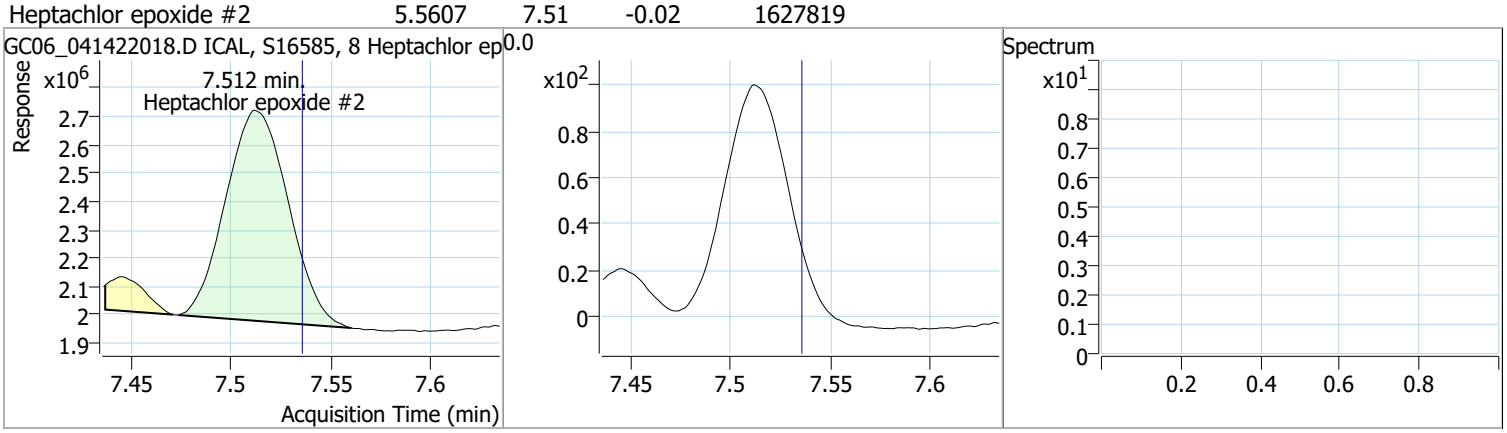
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	0.3838	6.75	0.03	109610			



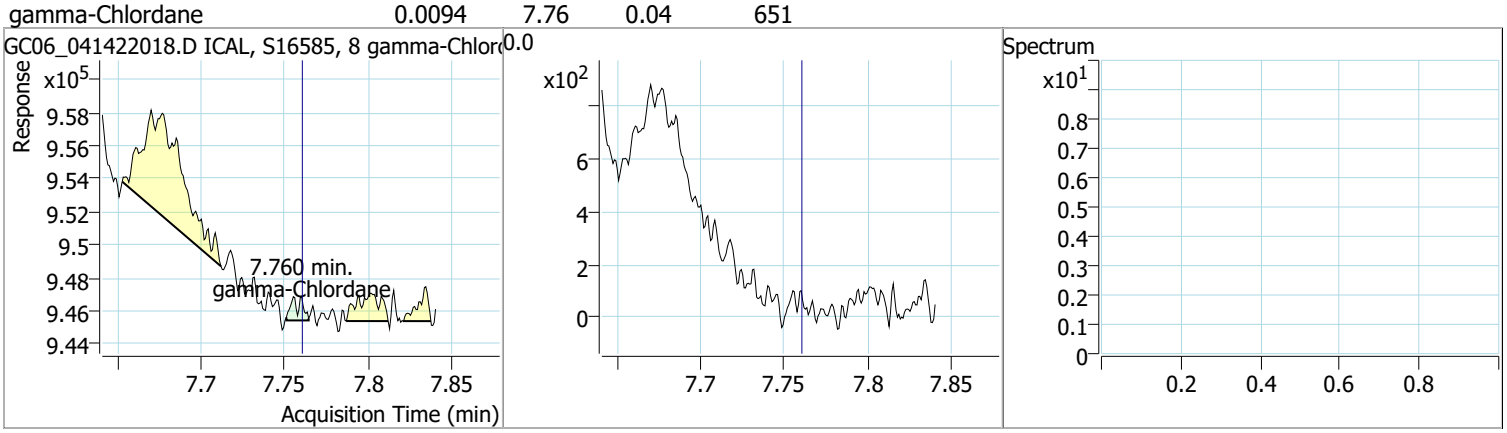
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	6.4960	7.60	0.07	560065			



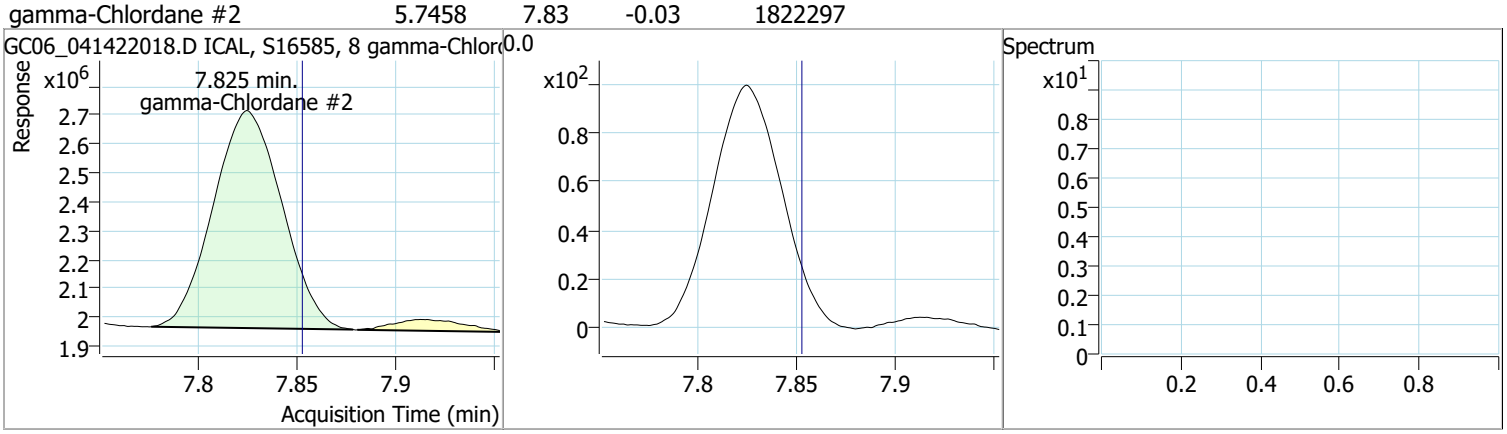
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	5.5607	7.51	-0.02	1627819			



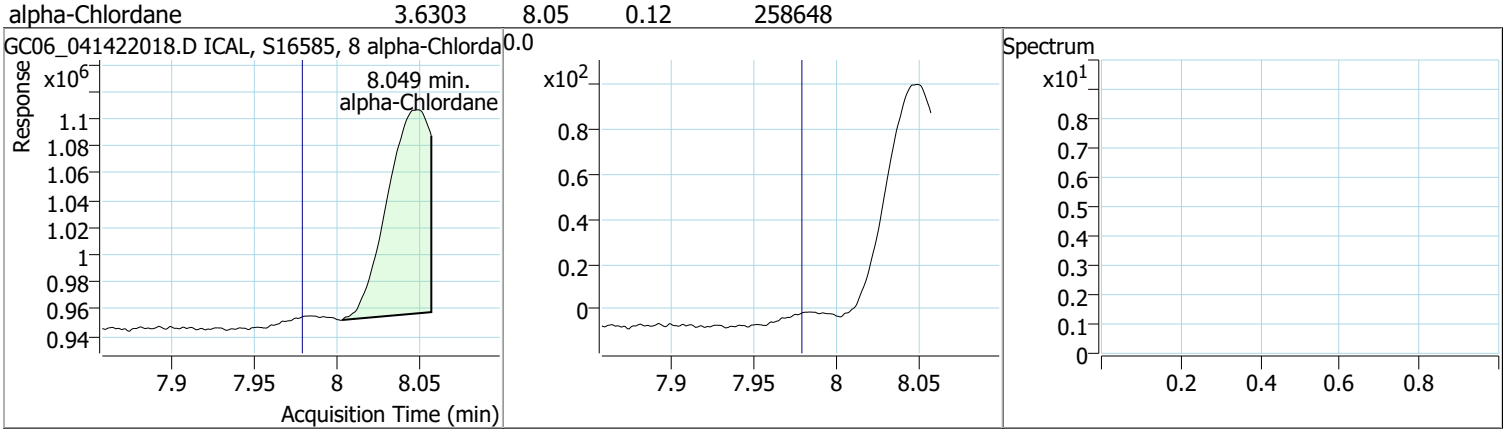
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.0094	7.76	0.04	651			



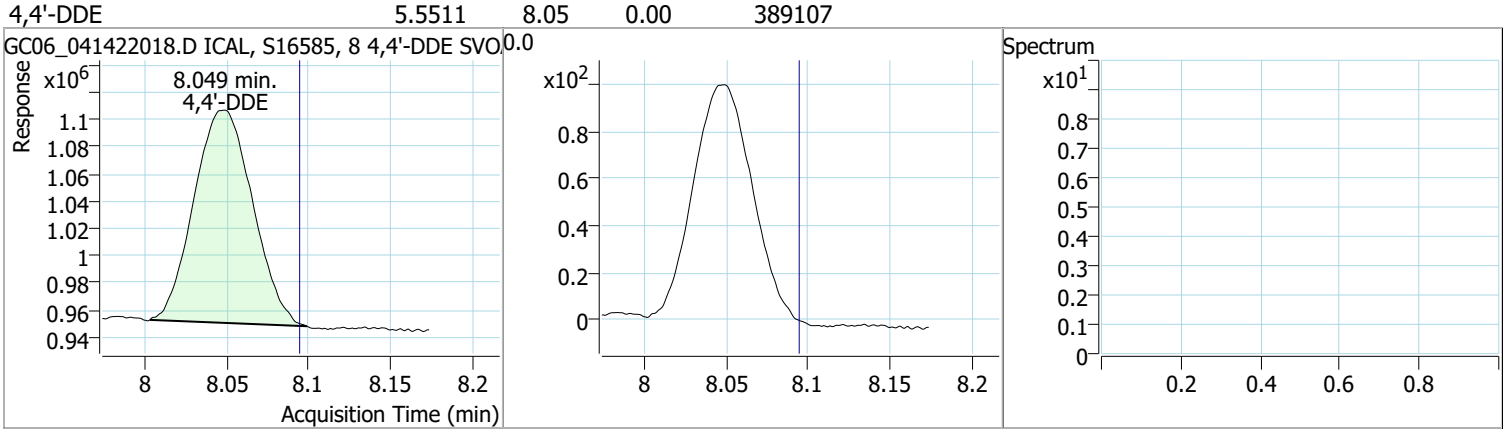
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	5.7458	7.83	-0.03	1822297			



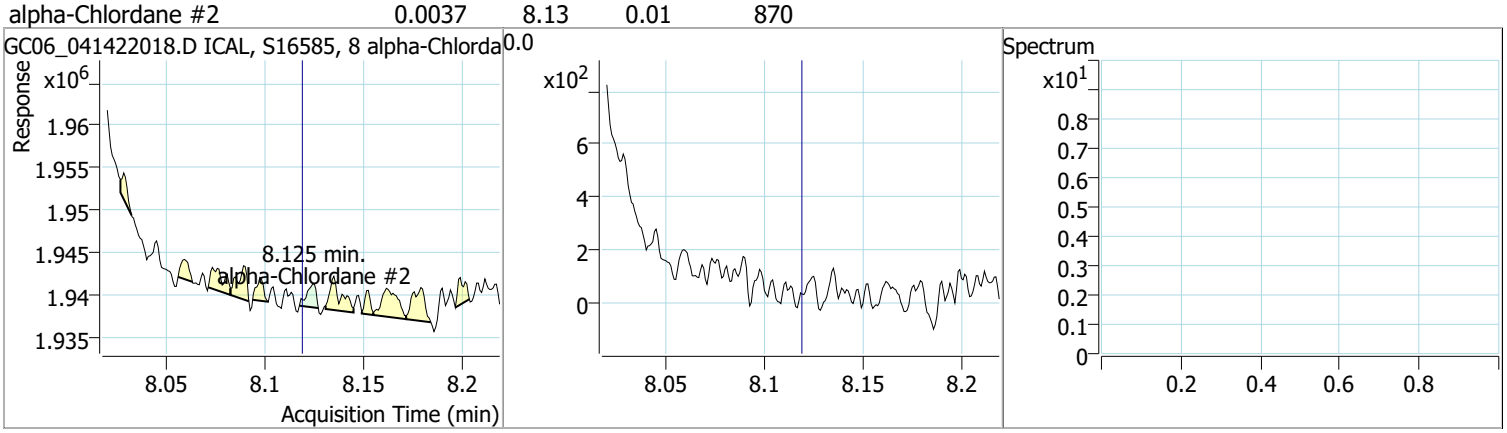
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	3.6303	8.05	0.12	258648			



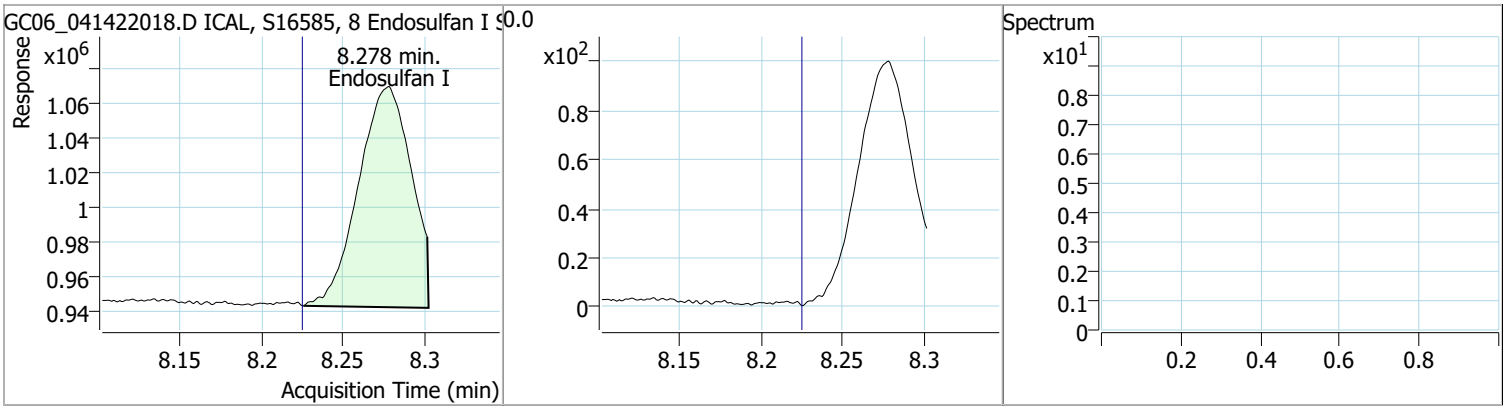
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	5.5511	8.05	0.00	389107			



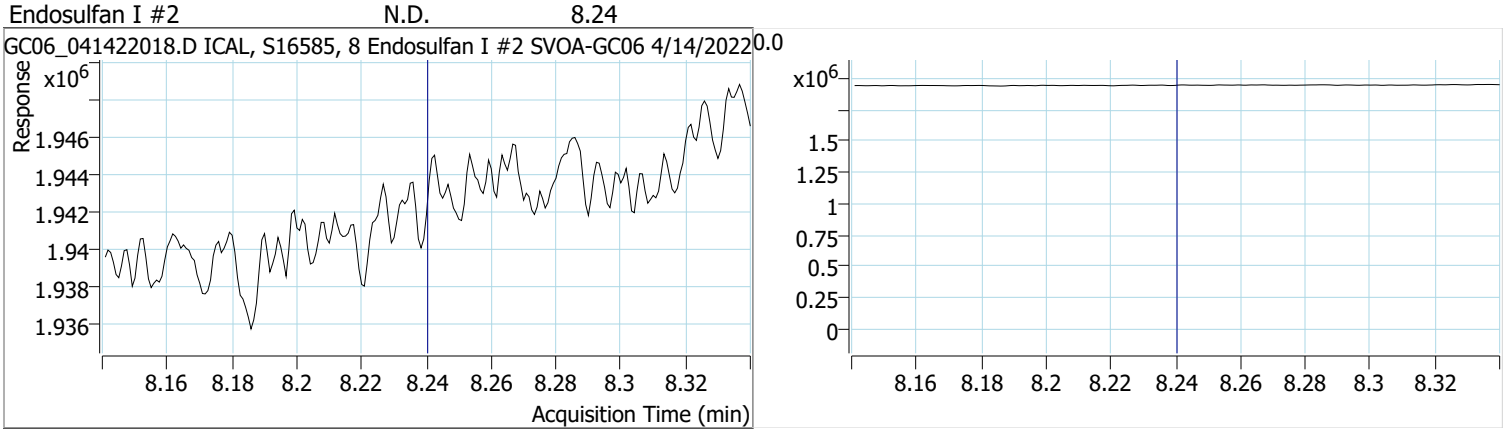
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane #2	0.0037	8.13	0.01	870			



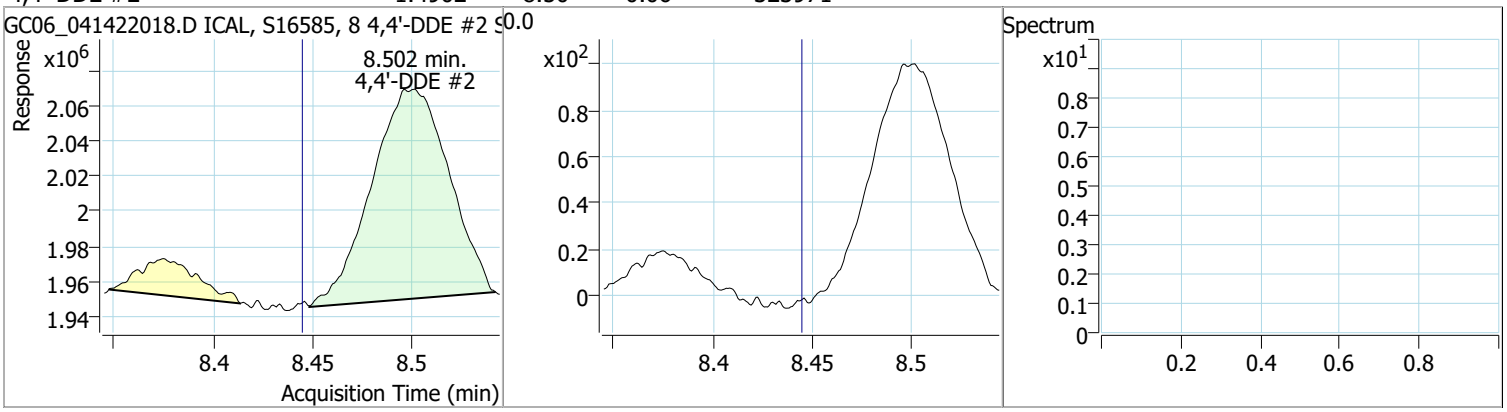
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	4.2544	8.28	0.10	285063			



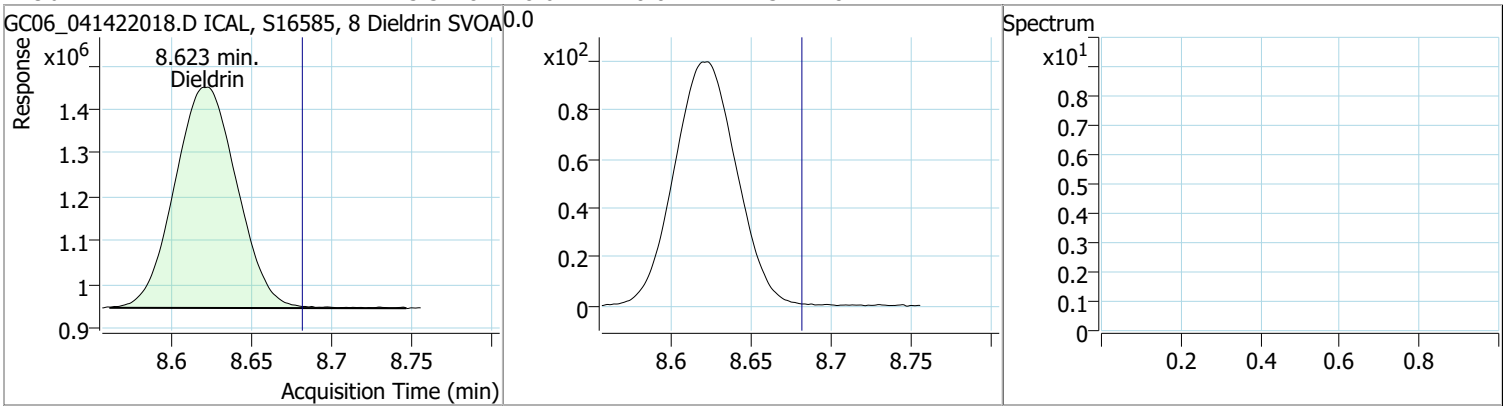
Compound	Conc.		Exp Ratio
Endosulfan I #2	N.D.	8.24	



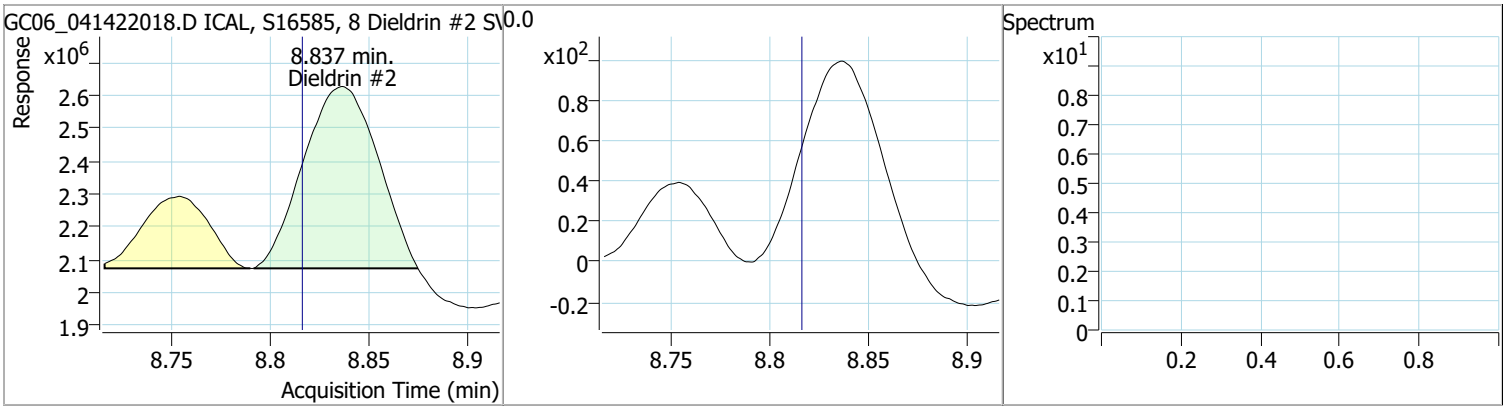
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	1.4902	8.50	0.06	323971			



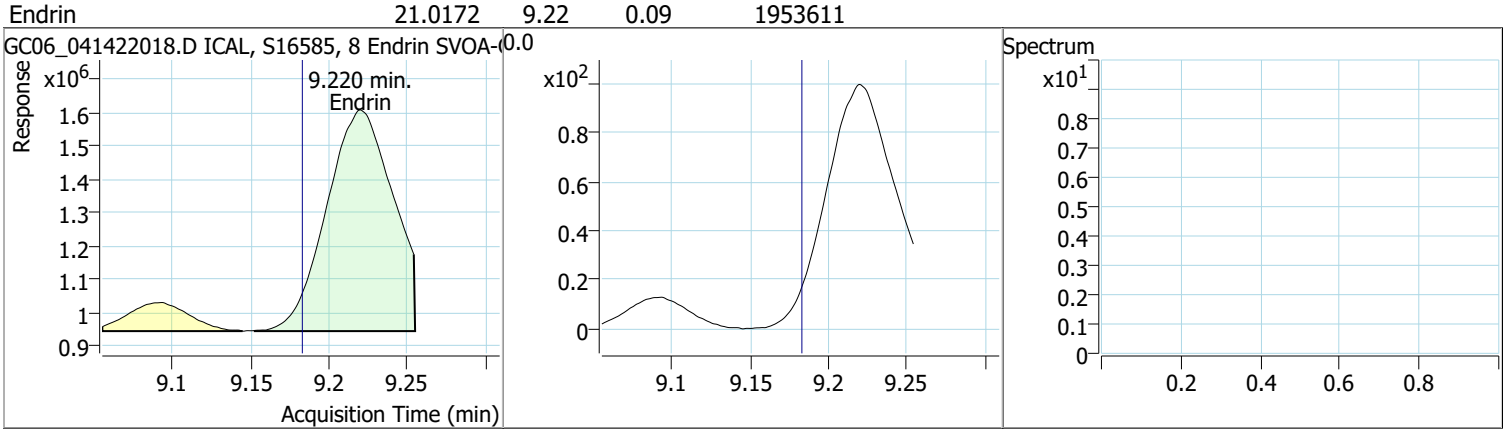
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin	15.3278	8.62	-0.01	1377278			



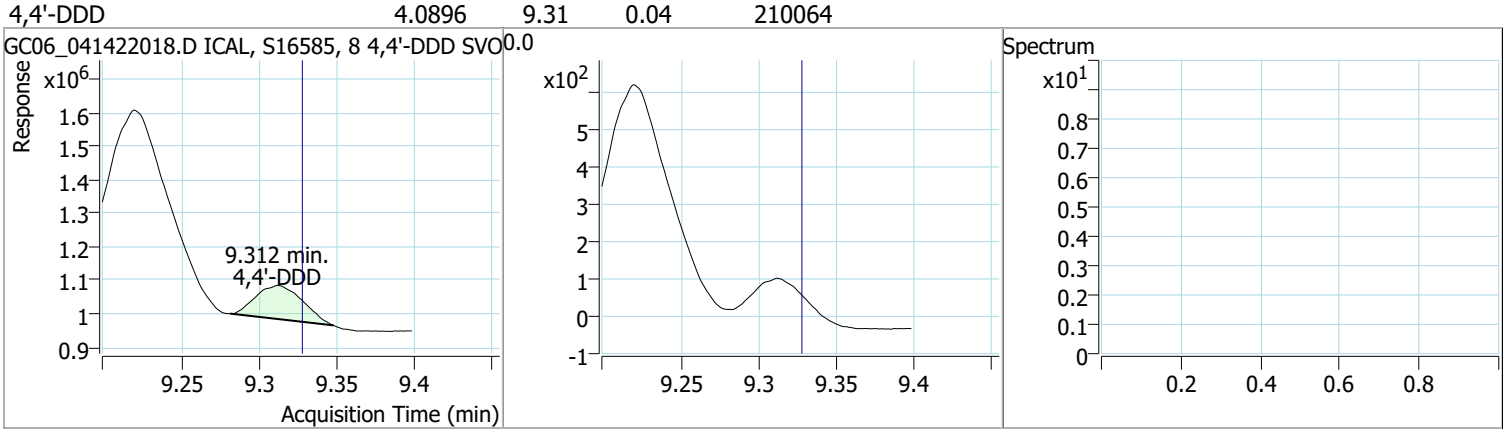
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	5.5858	8.84	0.02	1442884			



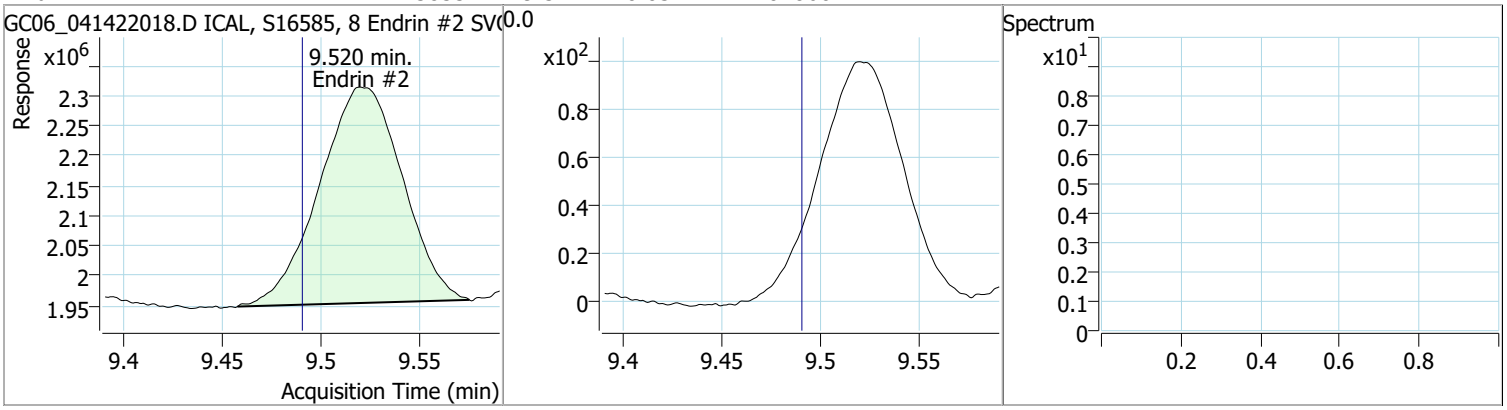
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin	21.0172	9.22	0.09	1953611			



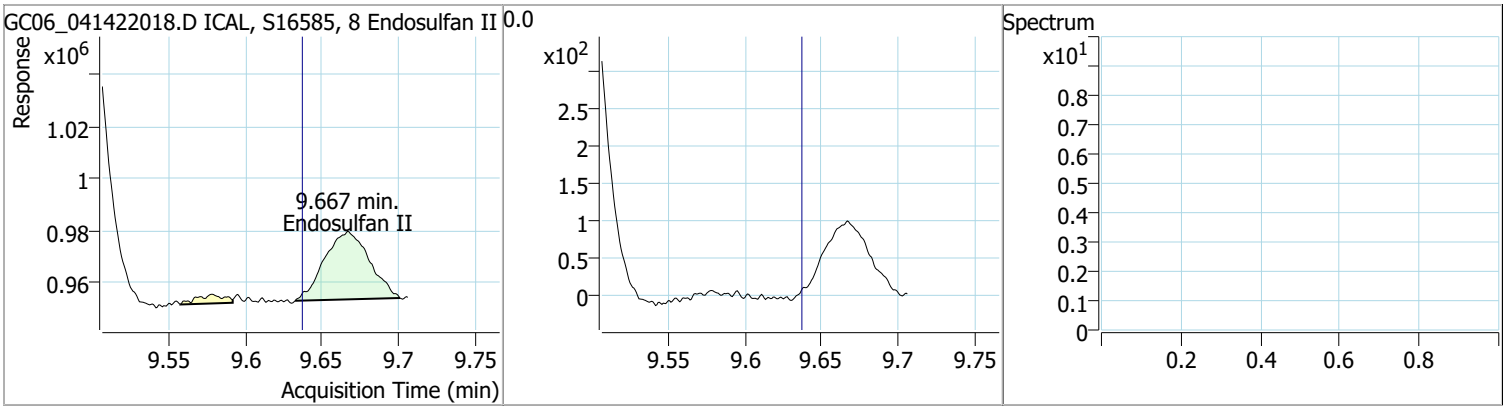
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	4.0896	9.31	0.04	210064			



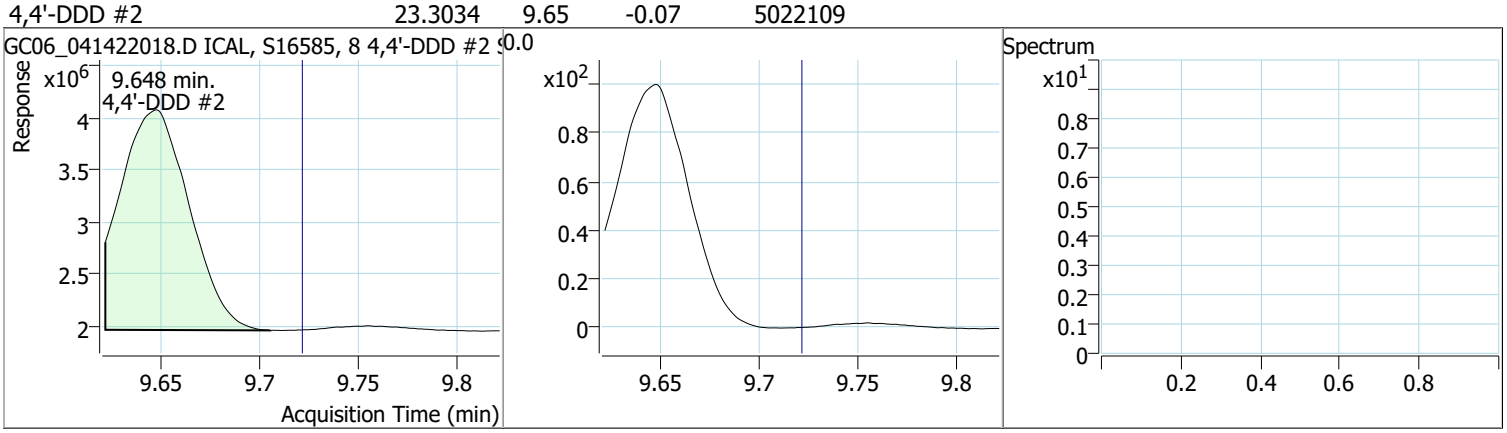
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin #2	4.5855	9.52	0.03	1048602			



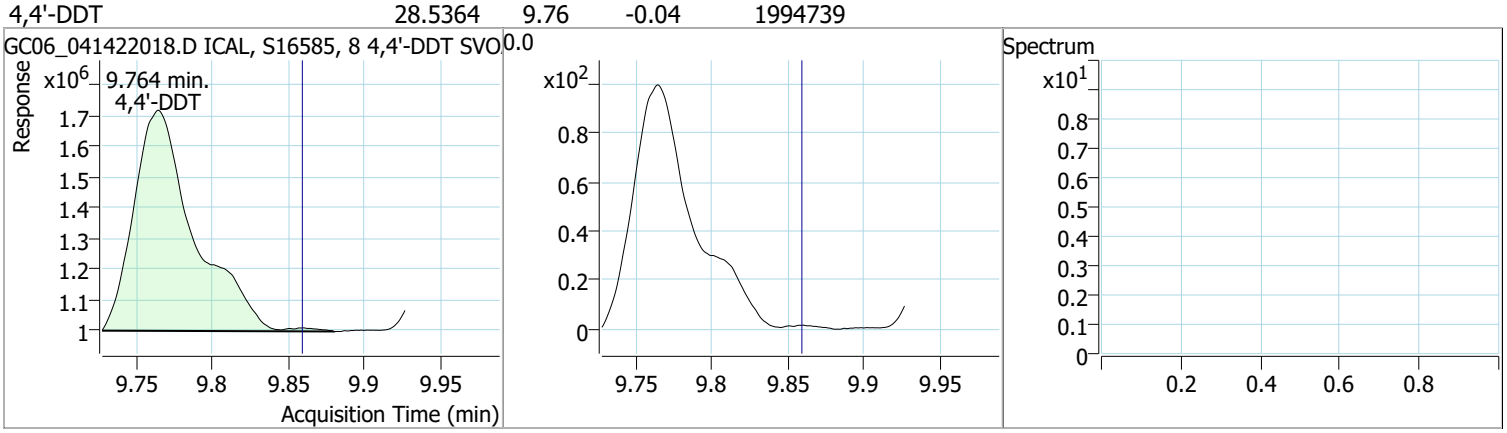
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II	0.7928	9.67	0.08	53210			



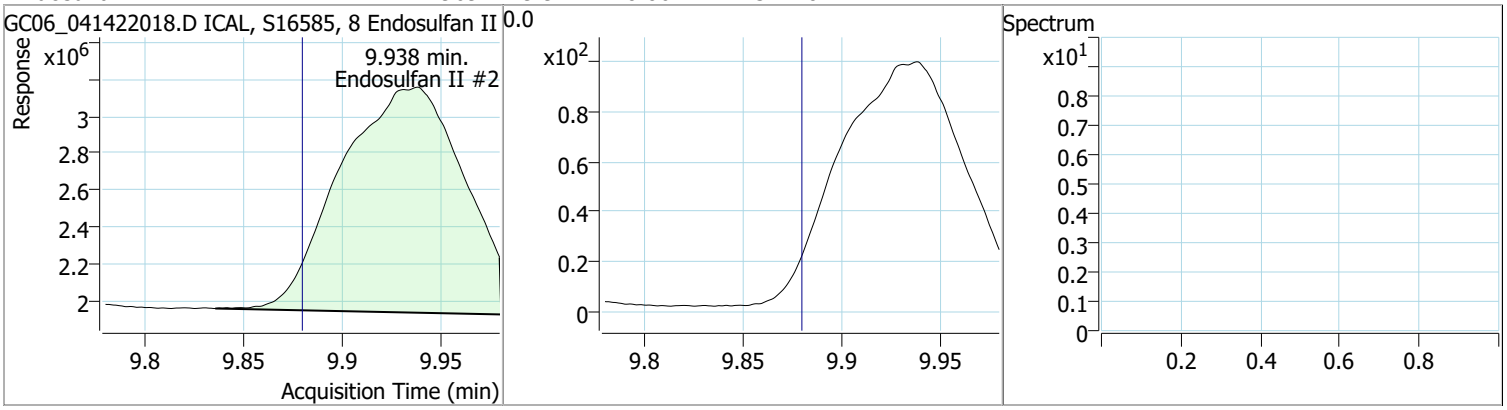
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	23.3034	9.65	-0.07	5022109			



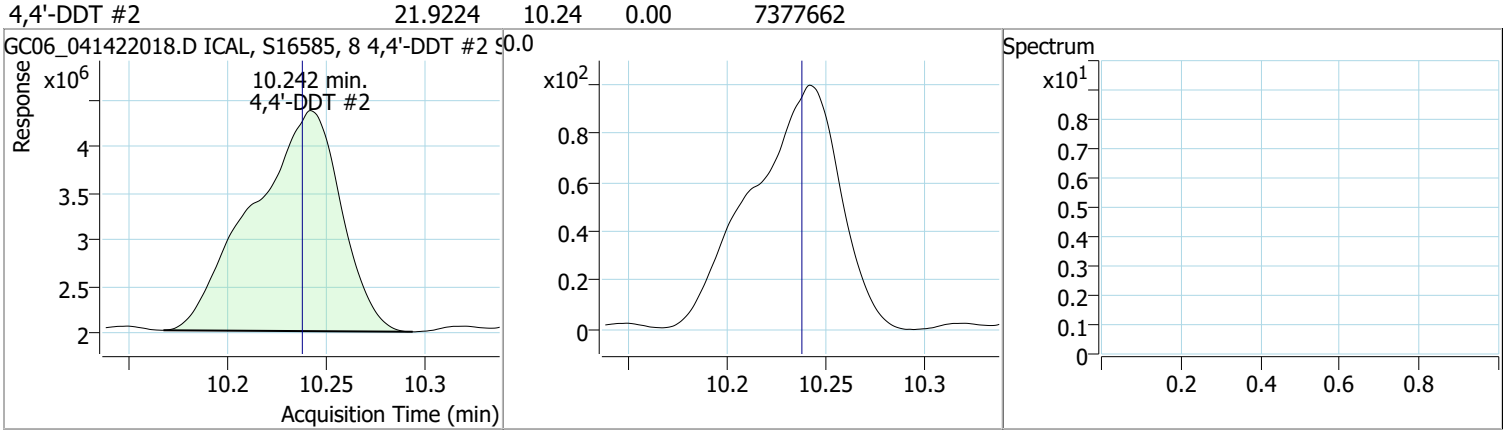
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	28.5364	9.76	-0.04	1994739			



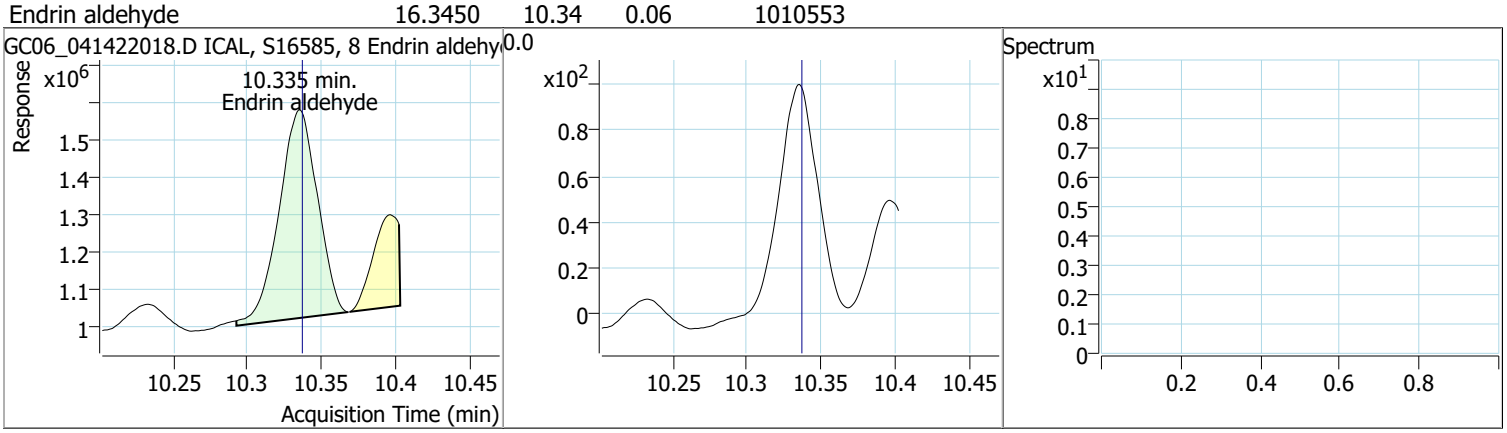
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	17.2969	9.94	0.06	5247074			



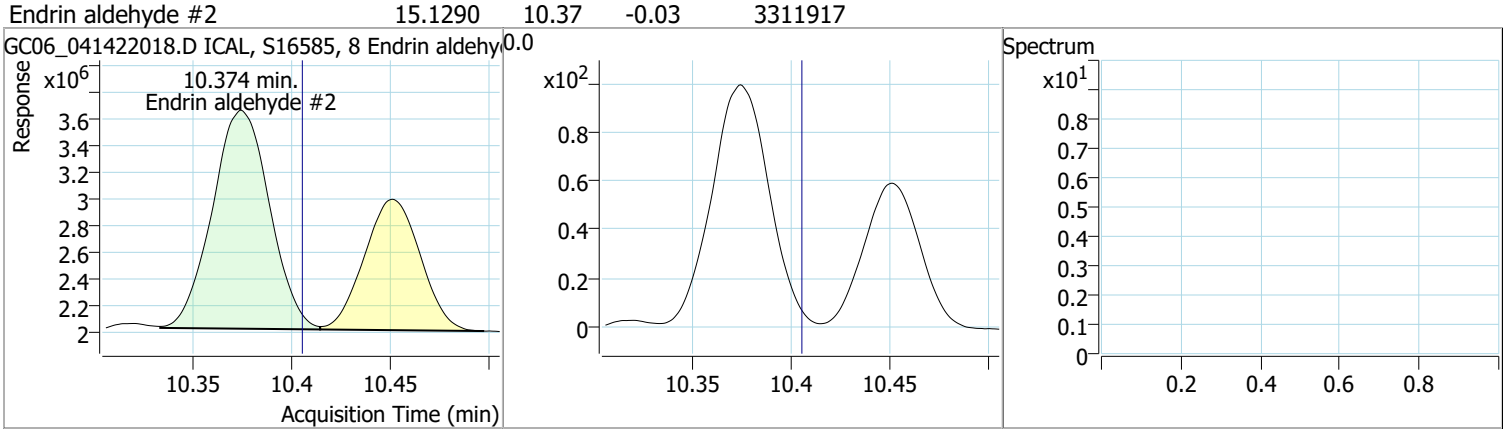
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	21.9224	10.24	0.00	7377662			



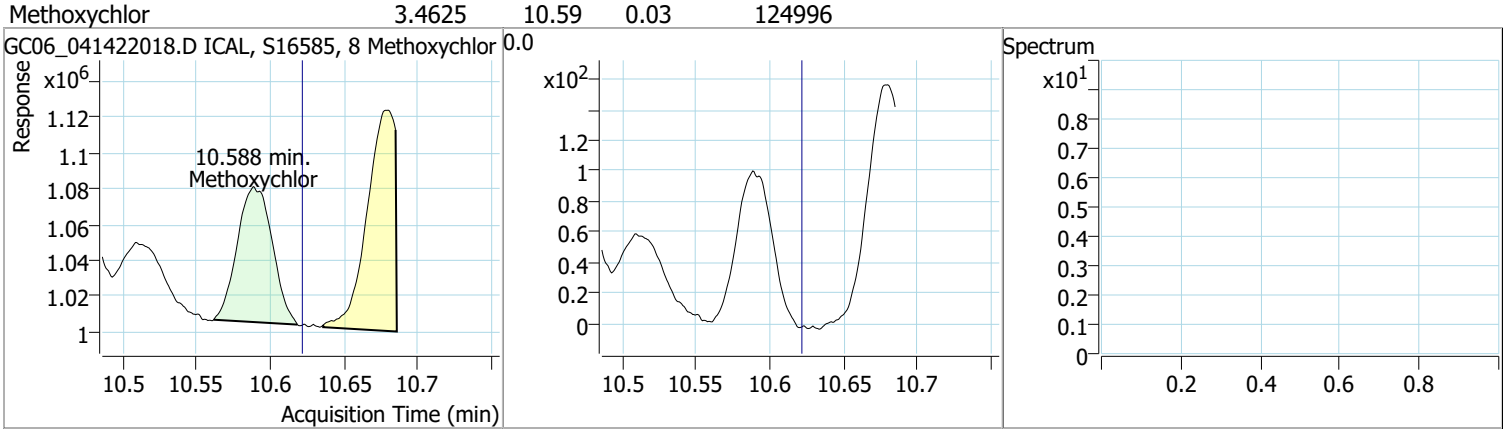
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	16.3450	10.34	0.06	1010553			



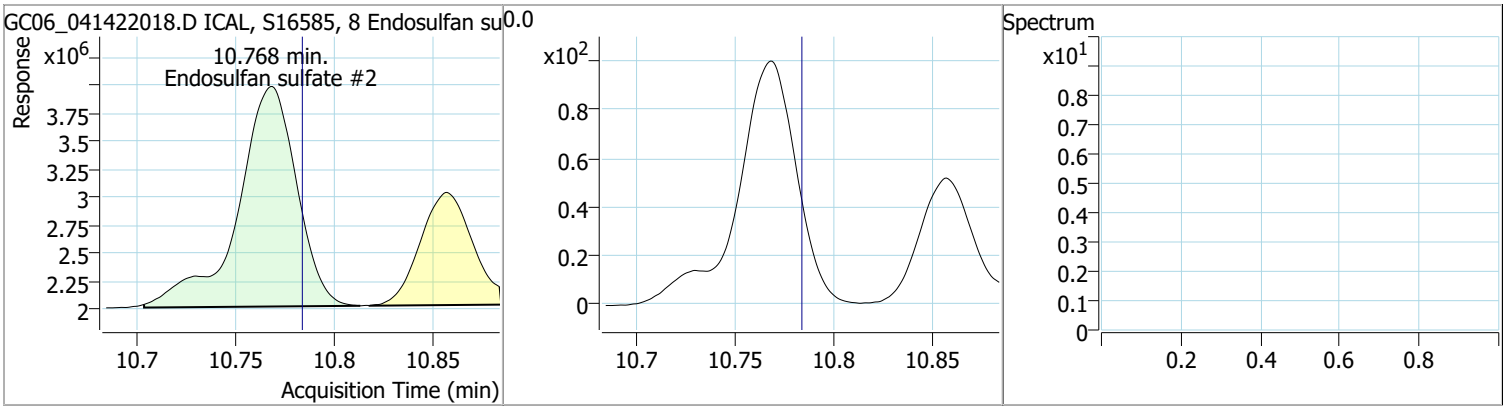
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	15.1290	10.37	-0.03	3311917			



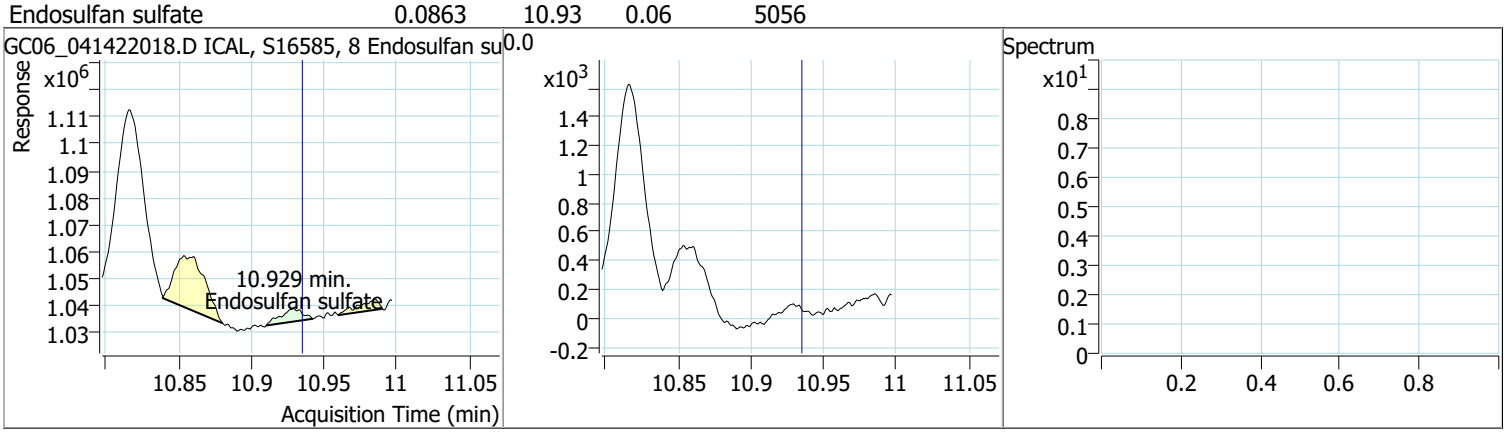
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	3.4625	10.59	0.03	124996			



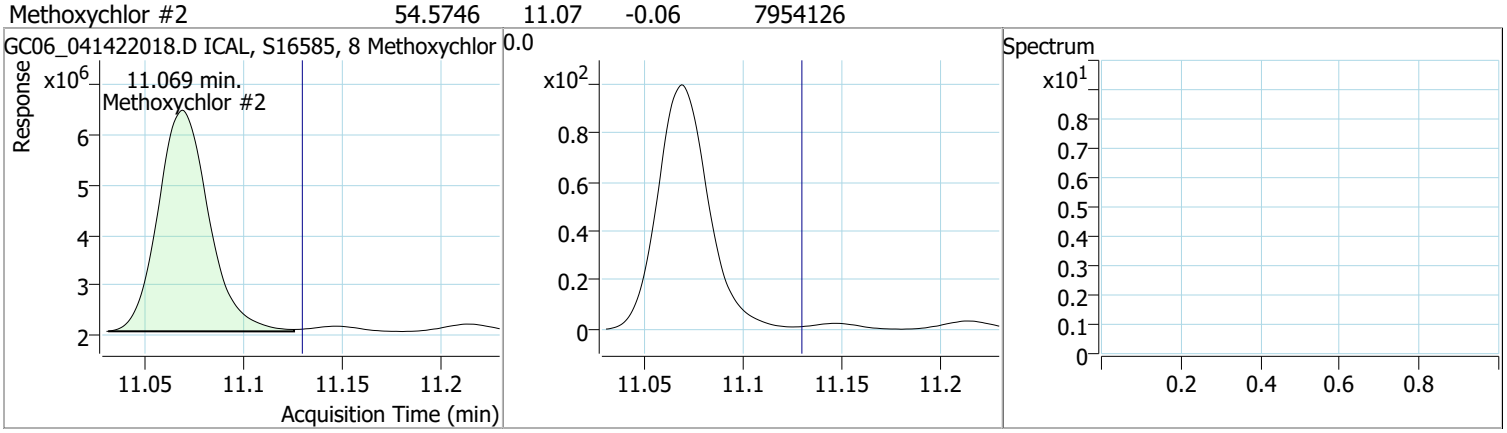
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	16.2109	10.77	-0.02	4111671			



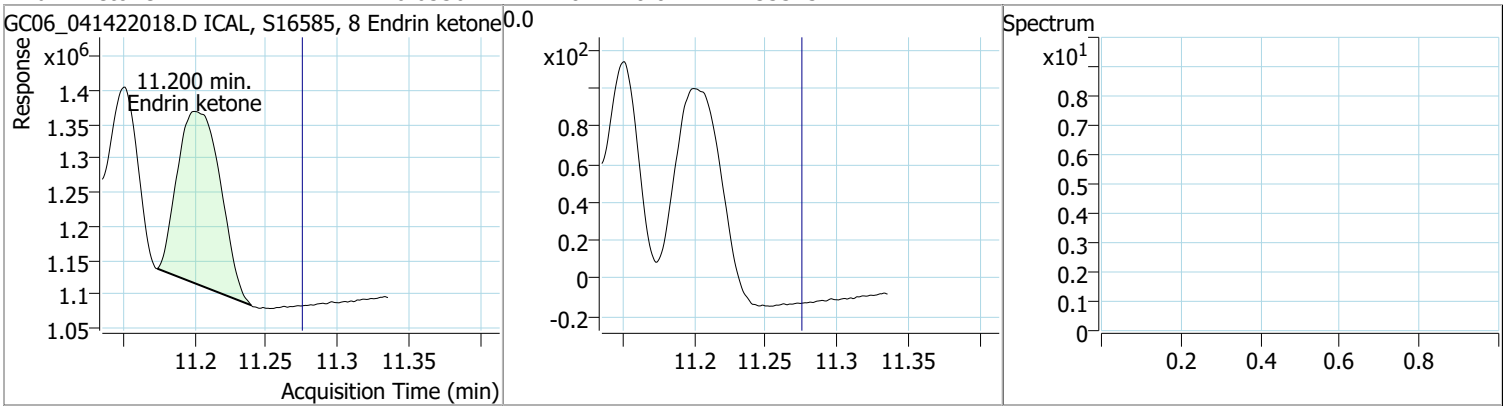
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	0.0863	10.93	0.06	5056			



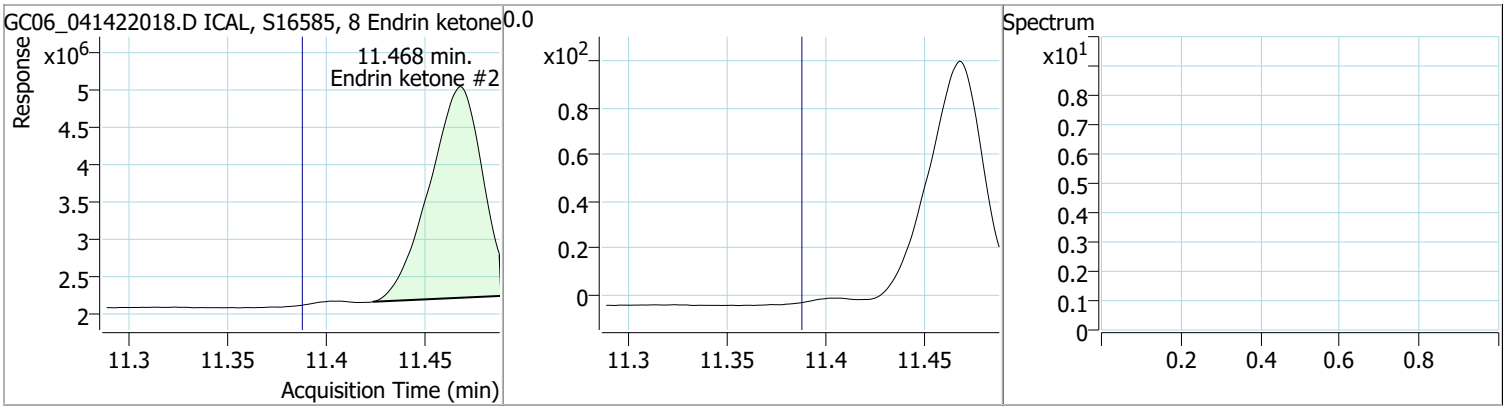
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	54.5746	11.07	-0.06	7954126			



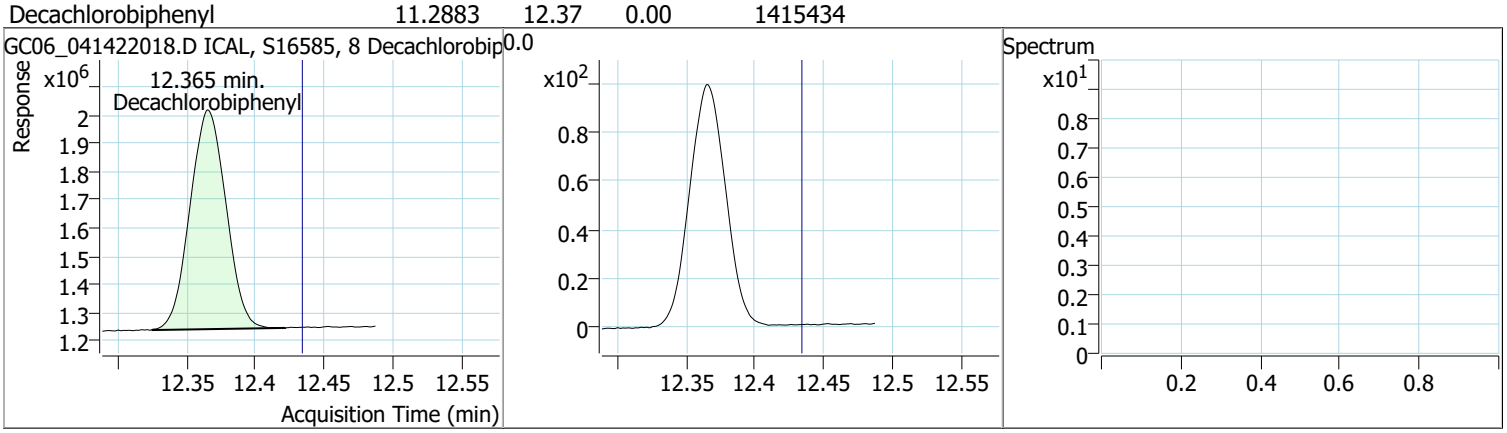
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	6.6536	11.20	-0.01	533254			



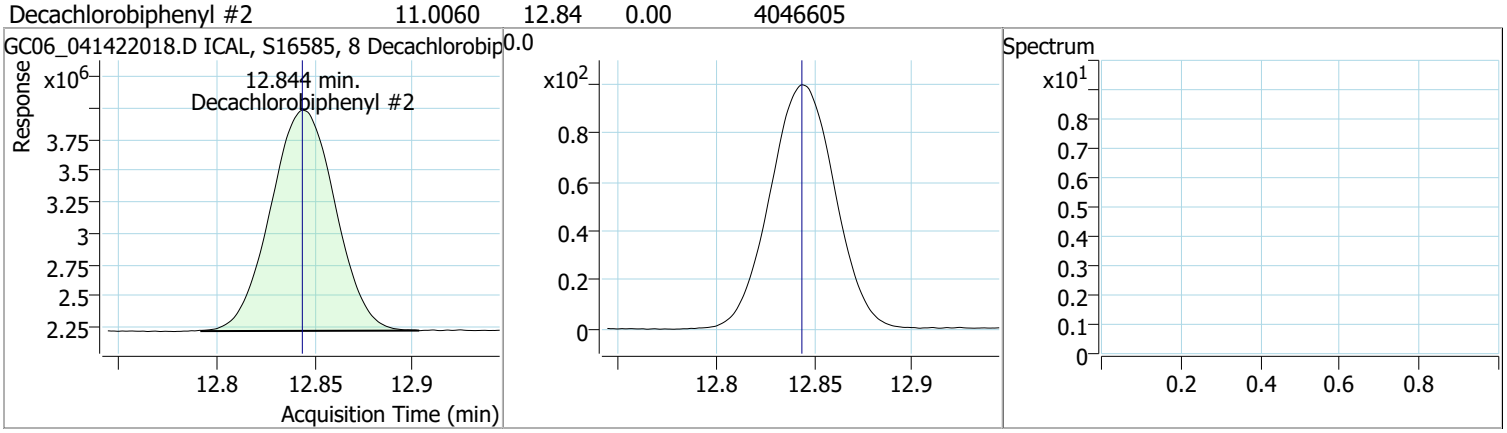
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	15.9229	11.47	0.08	5227834			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	11.2883	12.37	0.00	1415434			

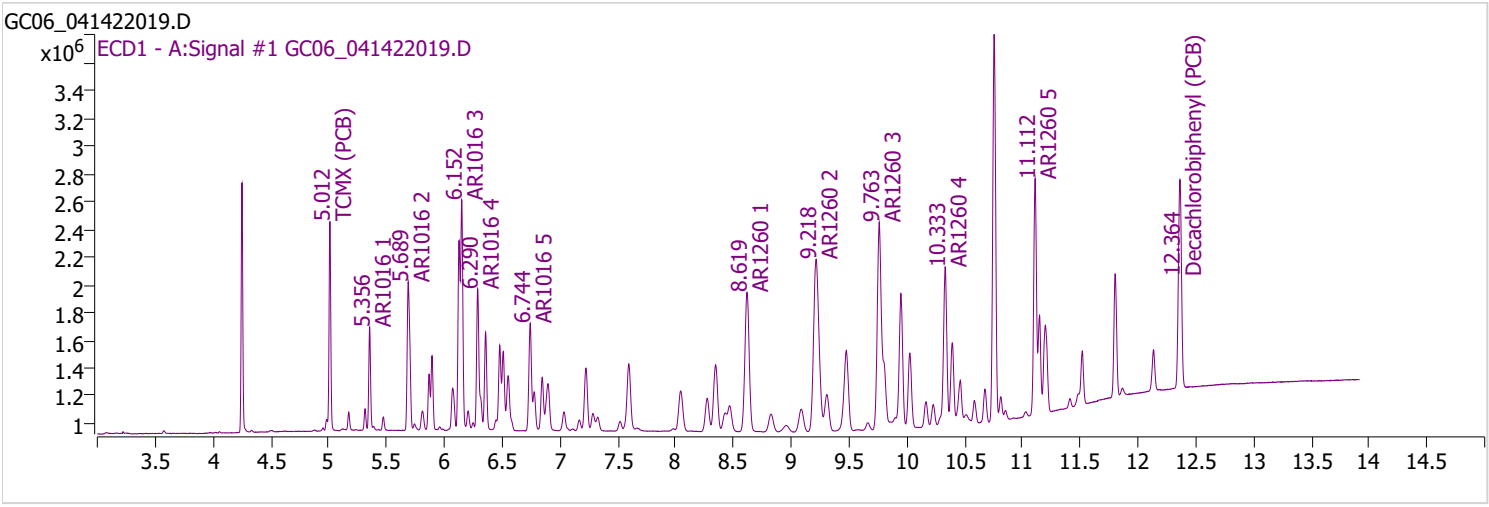


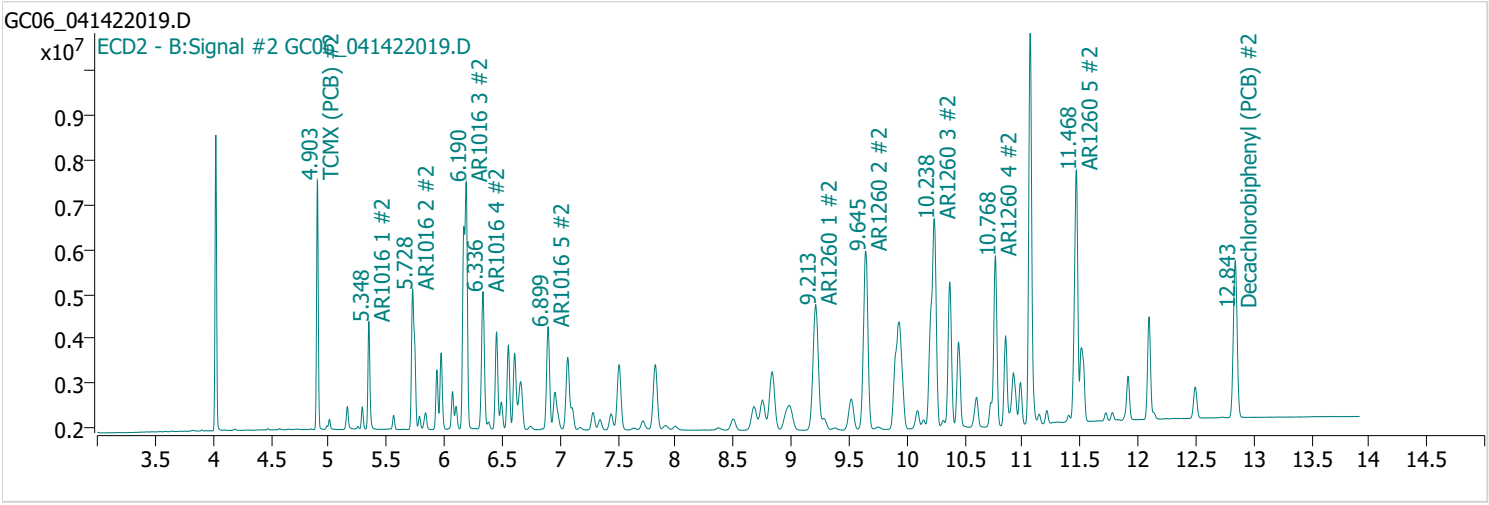
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	11.0060	12.84	0.00	4046605			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422019.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 7:51:33 PM
Sample Name	ICAL, S16585, 4	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 115	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



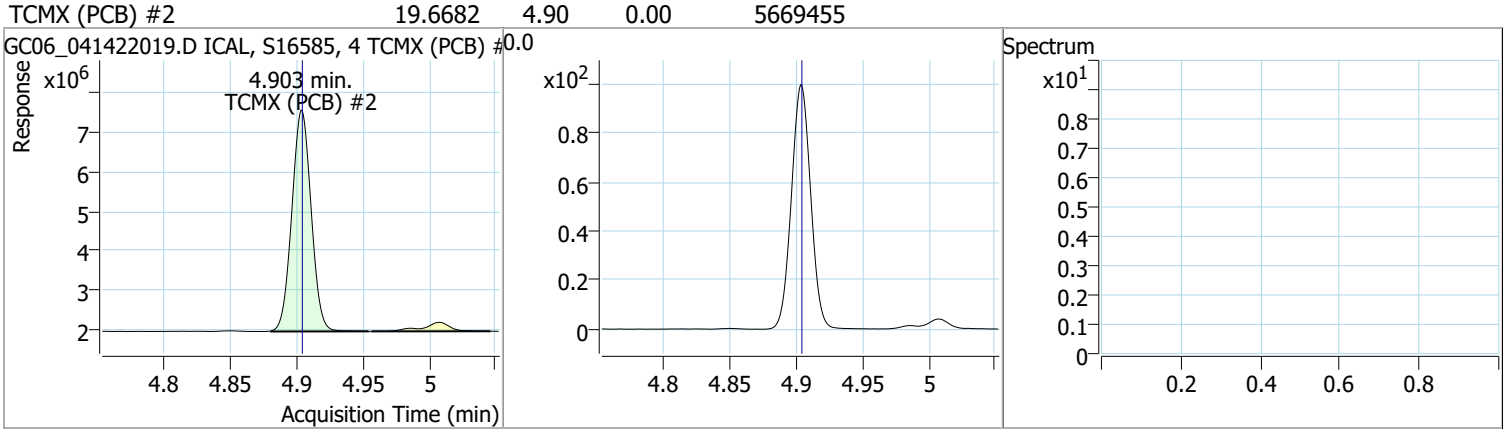


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.252	4.025	1751391	6293294	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.012	4.903	1579508	5669455	18.750	19.668	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	93.75%	98.34%	
S Decachlorobiphenyl (PCB)	12.364	12.843	2854774	8049404	21.438	21.197	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	107.19%	105.98%	
Target Compounds							
T AR1016 1	5.356	5.348	817856	2886563	477.394	489.790	ng/ml
T AR1016 2	5.689	5.728	1755526	6043942	470.625	494.172	ng/ml
T AR1016 3	6.152	6.190	2166227	7959848 m	493.437	493.496	ng/ml
T AR1016 4	6.290	6.336	1608136	5357999	489.499	489.637	ng/ml
T AR1016 5	6.744	6.899	1233025	4246029	485.194	496.301	ng/ml
T AR1260 1	8.619	9.213	2643383	9095023 m	479.596	477.498	ng/ml
T AR1260 2	9.218	9.645	4080185	10571114 m	480.627	480.320	ng/ml
T AR1260 3	9.763	10.238	4246183 m	14462994	481.144	483.695	ng/ml
T AR1260 4	10.333	10.768	2144630	8020449	488.632	495.702	ng/ml

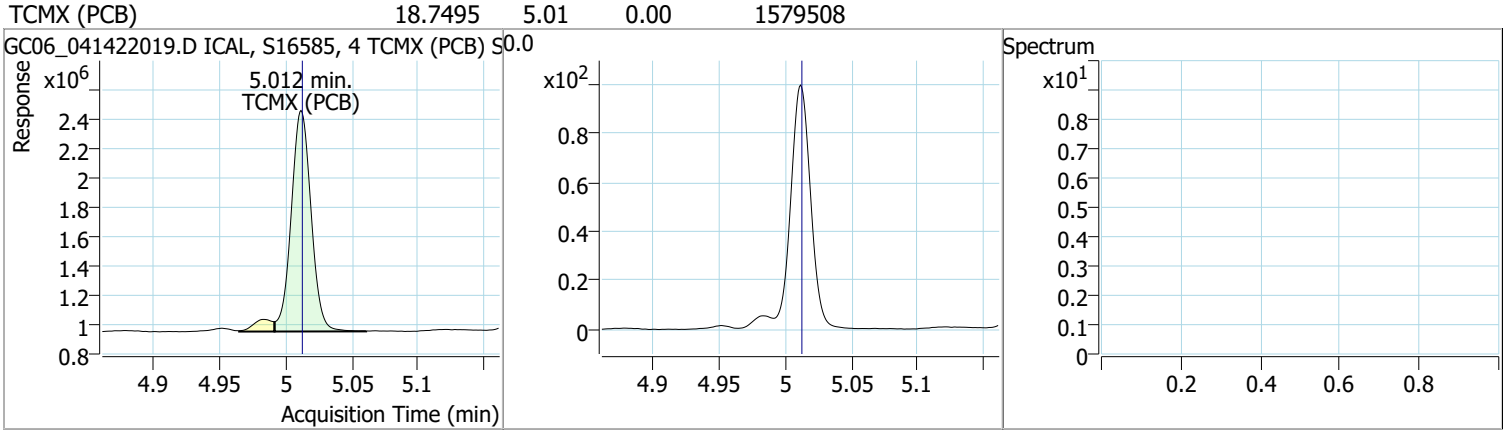
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.112	11.468	2847527	11472329	490.189	480.925	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

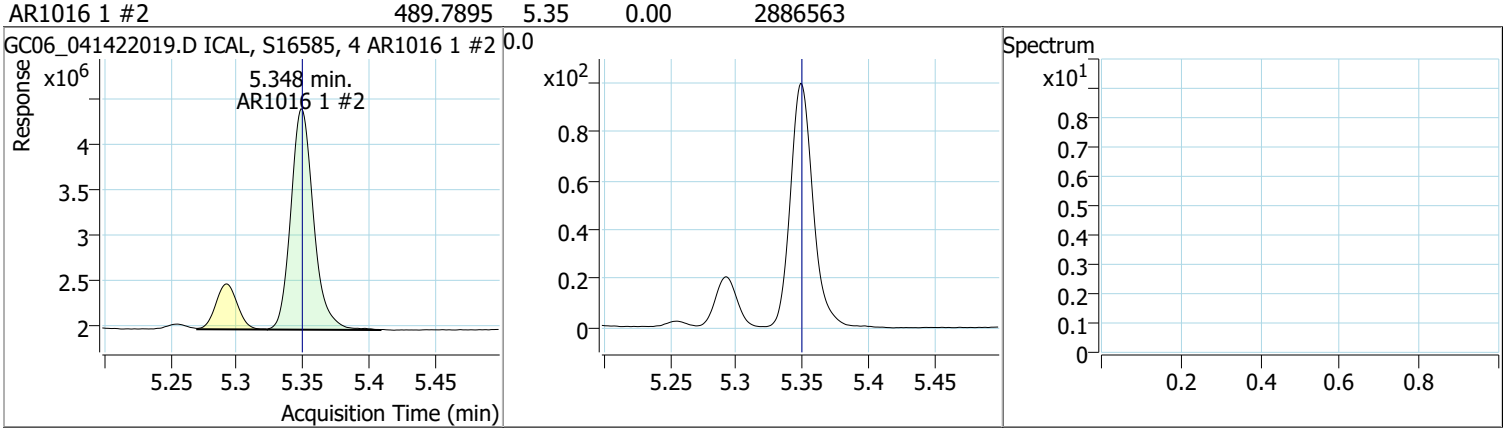
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	19.6682	4.90	0.00	5669455			



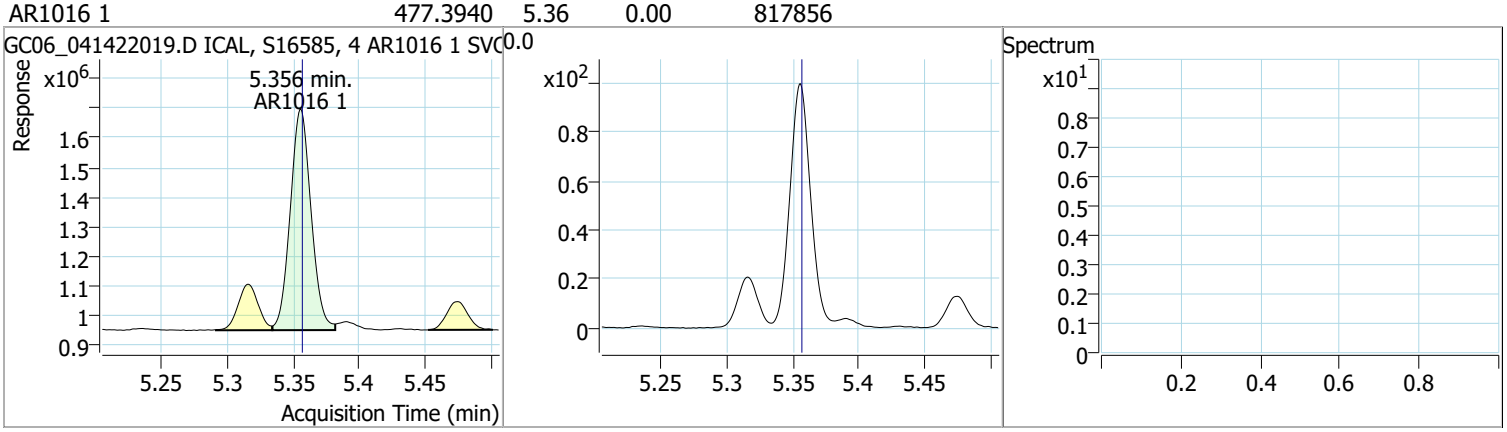
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	18.7495	5.01	0.00	1579508			



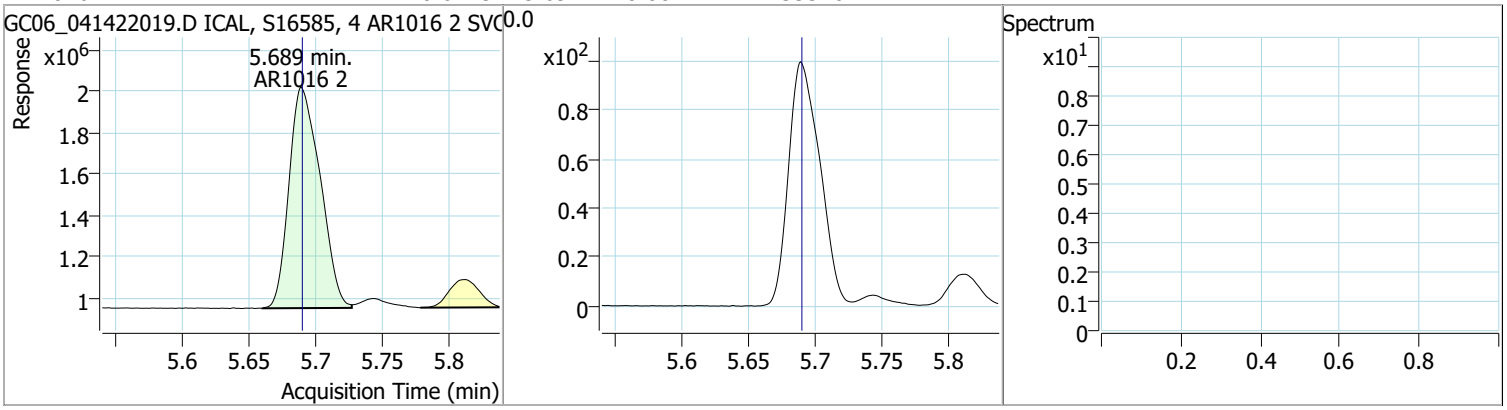
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	489.7895	5.35	0.00	2886563			



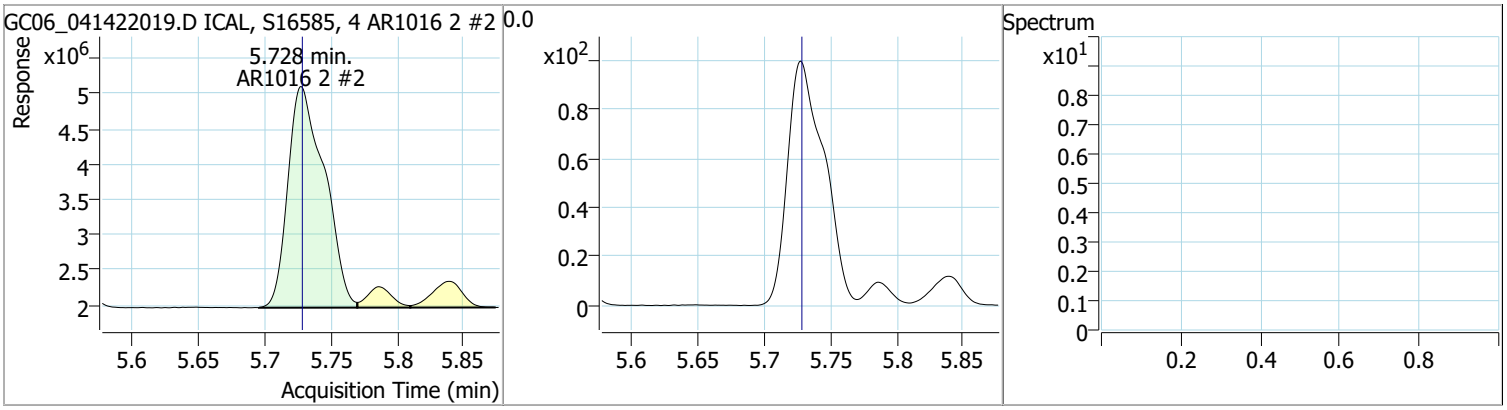
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	477.3940	5.36	0.00	817856			



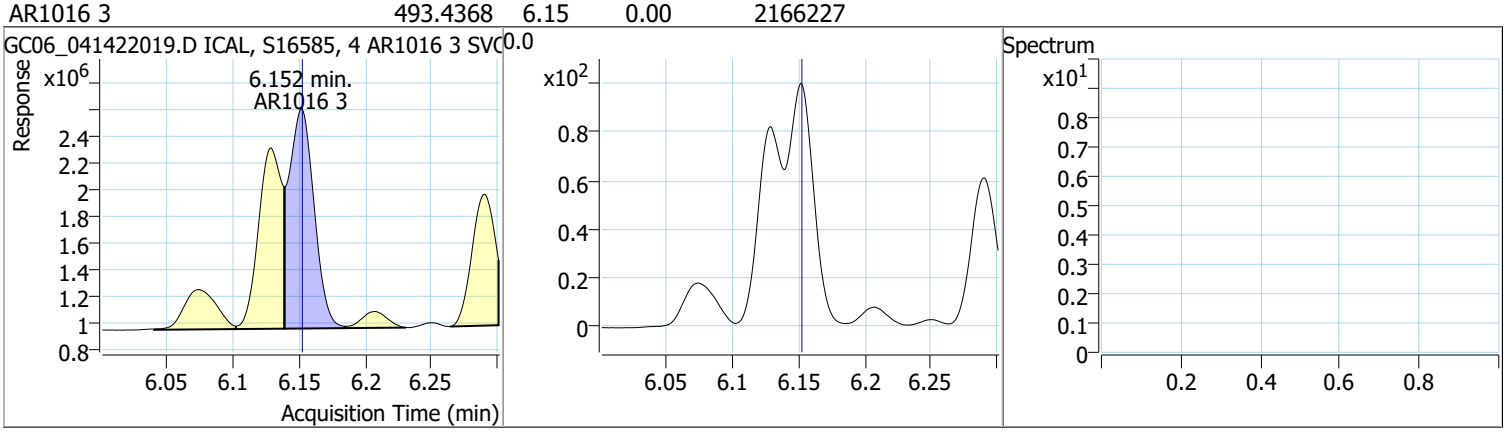
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	470.6245	5.69	0.00	1755526			



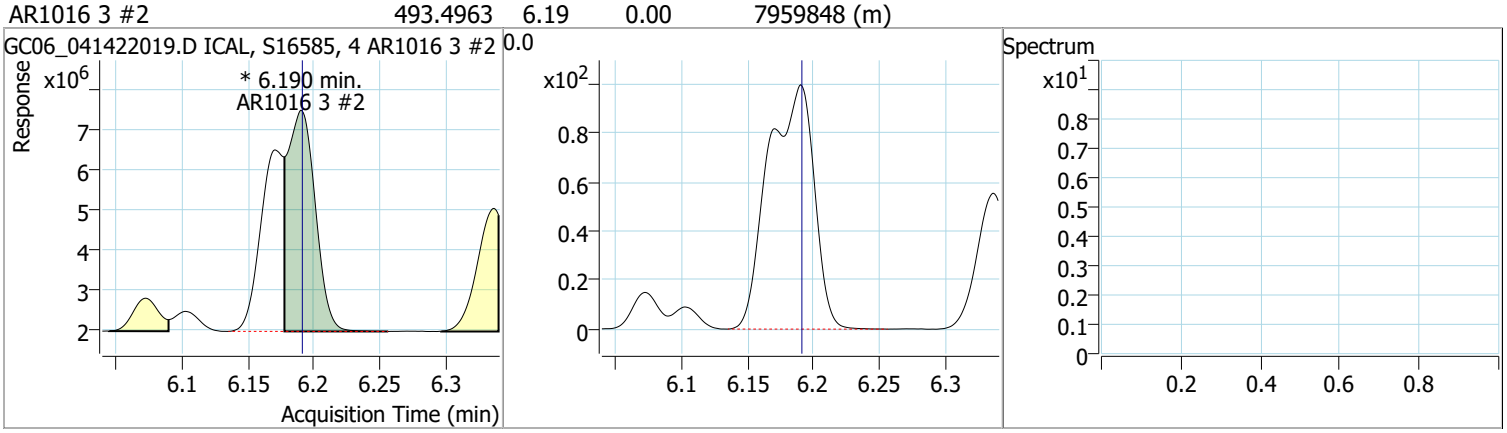
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	494.1724	5.73	0.00	6043942			



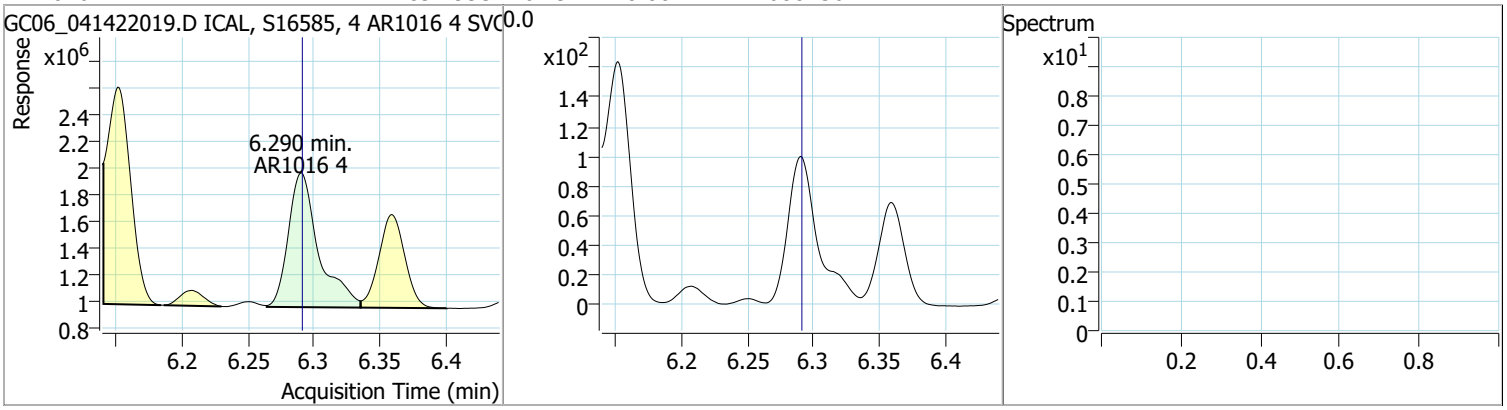
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	493.4368	6.15	0.00	2166227			



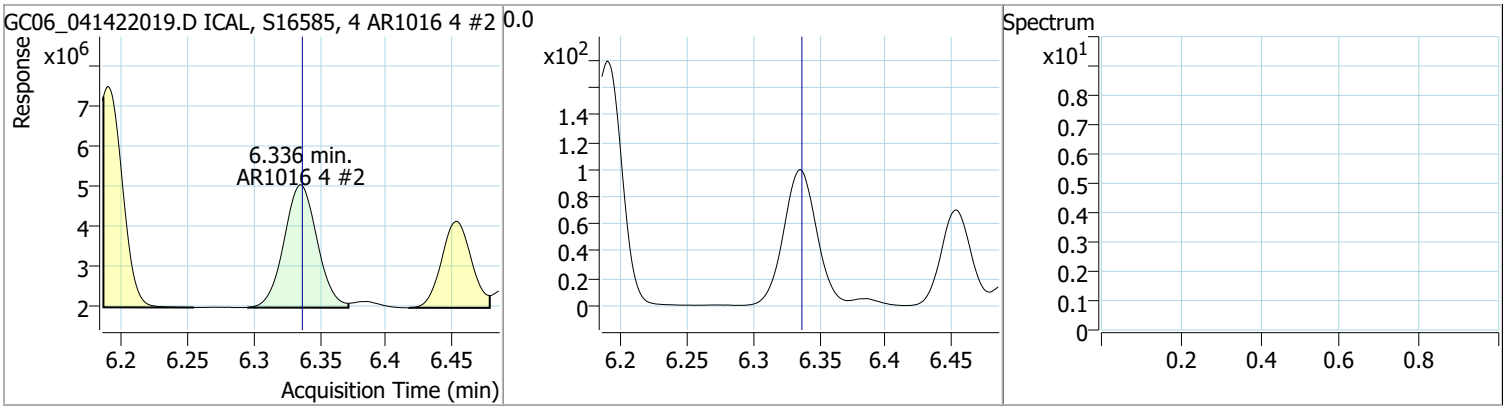
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	493.4963	6.19	0.00	7959848 (m)			



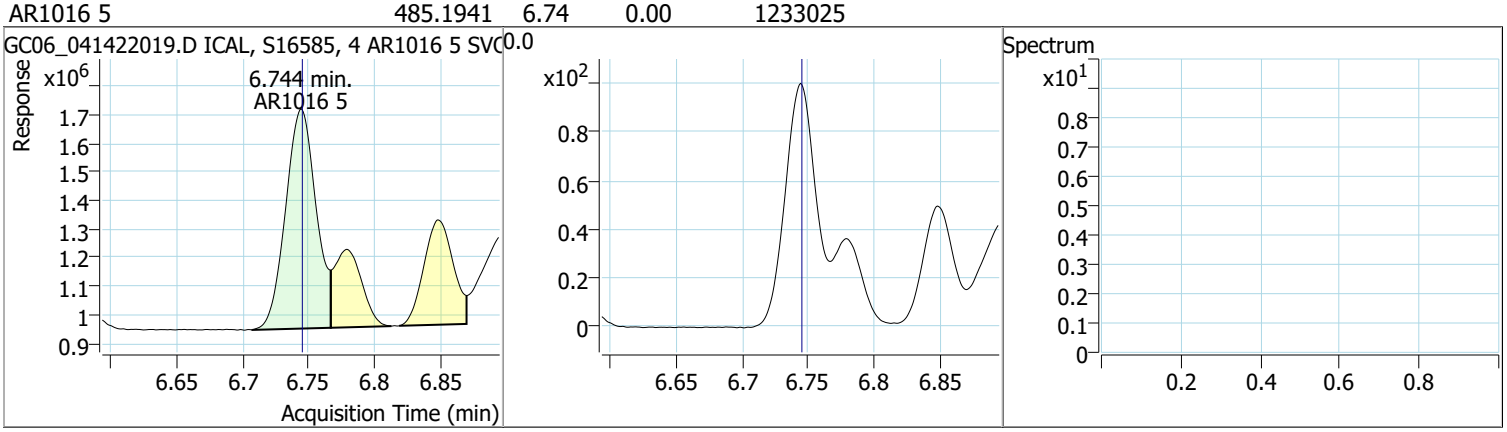
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	489.4993	6.29	0.00	1608136			



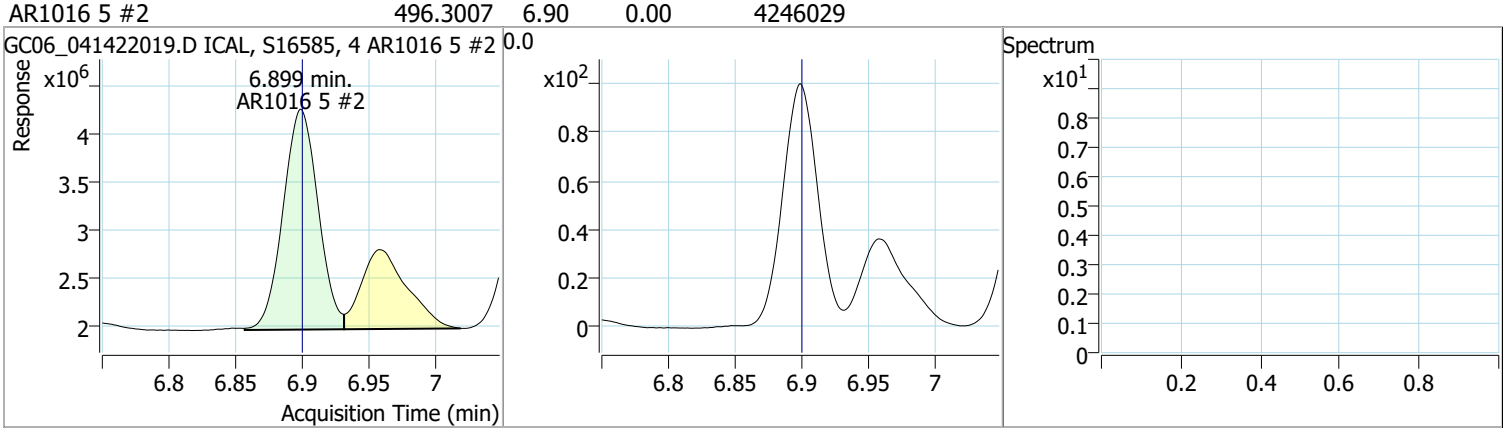
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	489.6367	6.34	0.00	5357999			



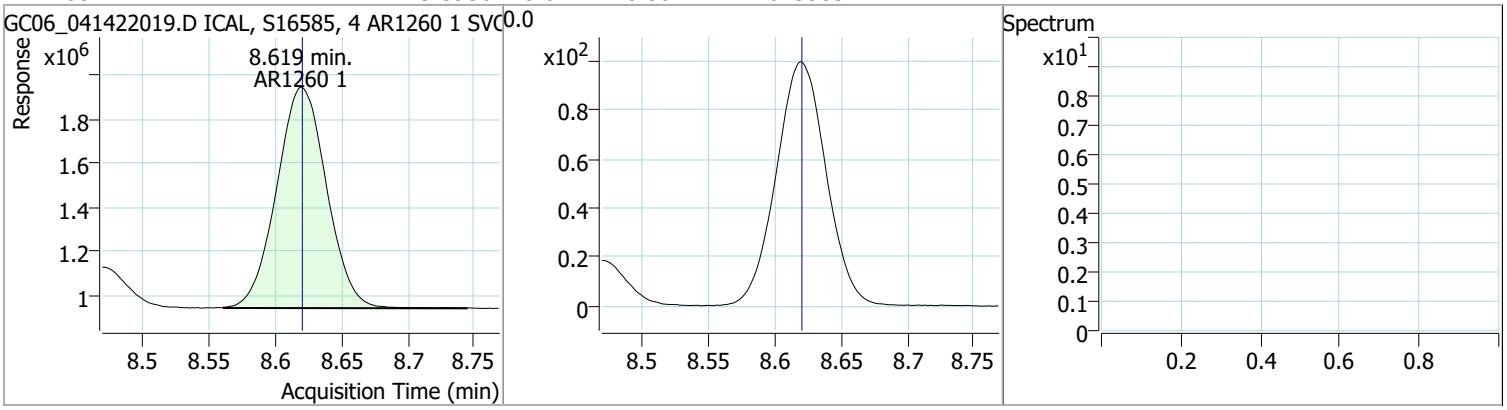
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	485.1941	6.74	0.00	1233025			



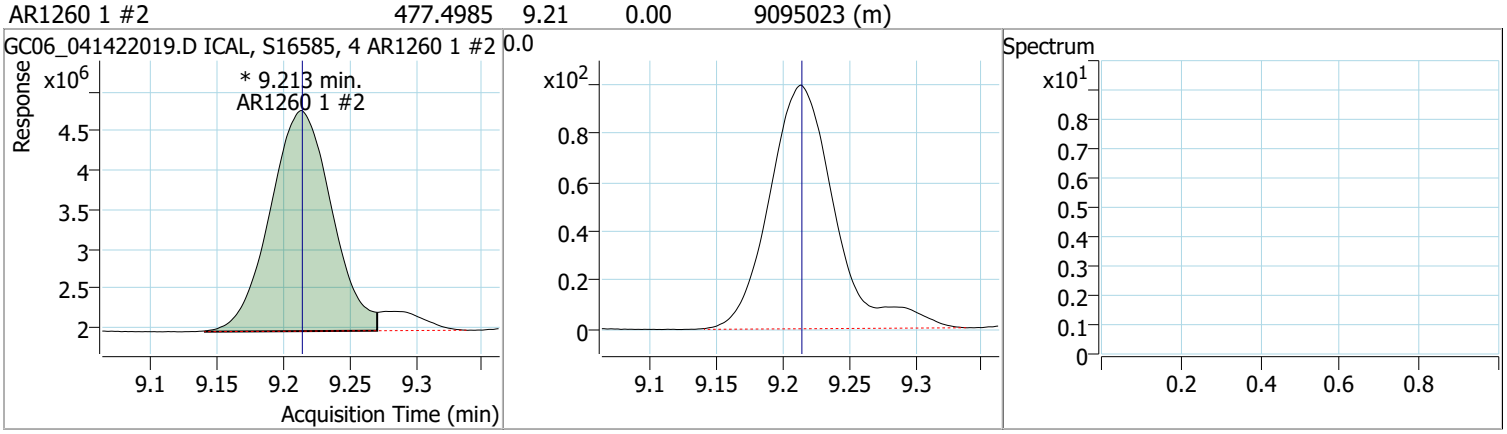
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	496.3007	6.90	0.00	4246029			



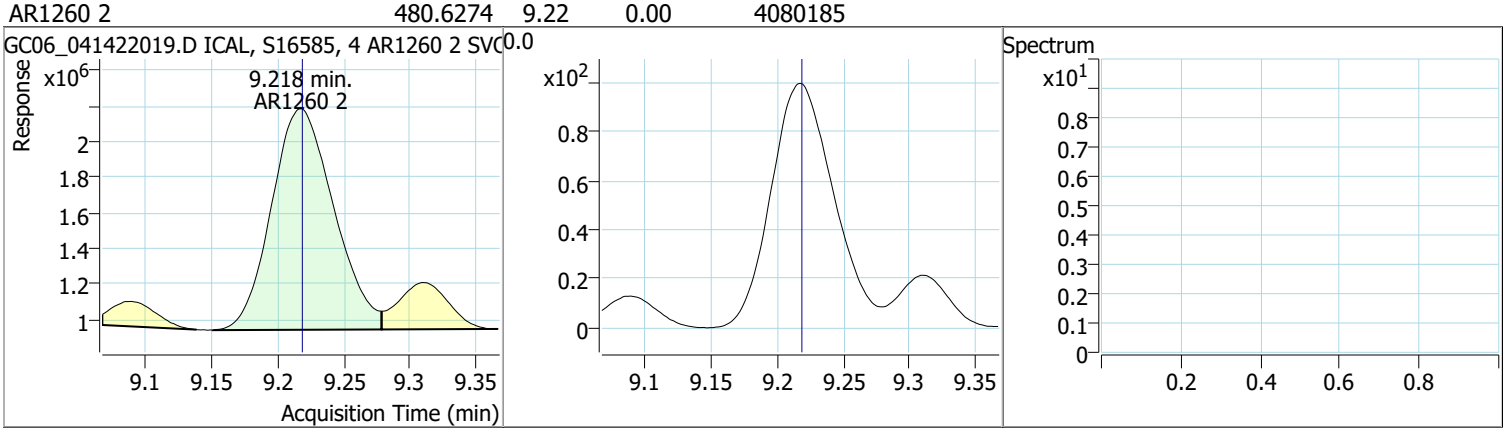
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	479.5958	8.62	0.00	2643383			



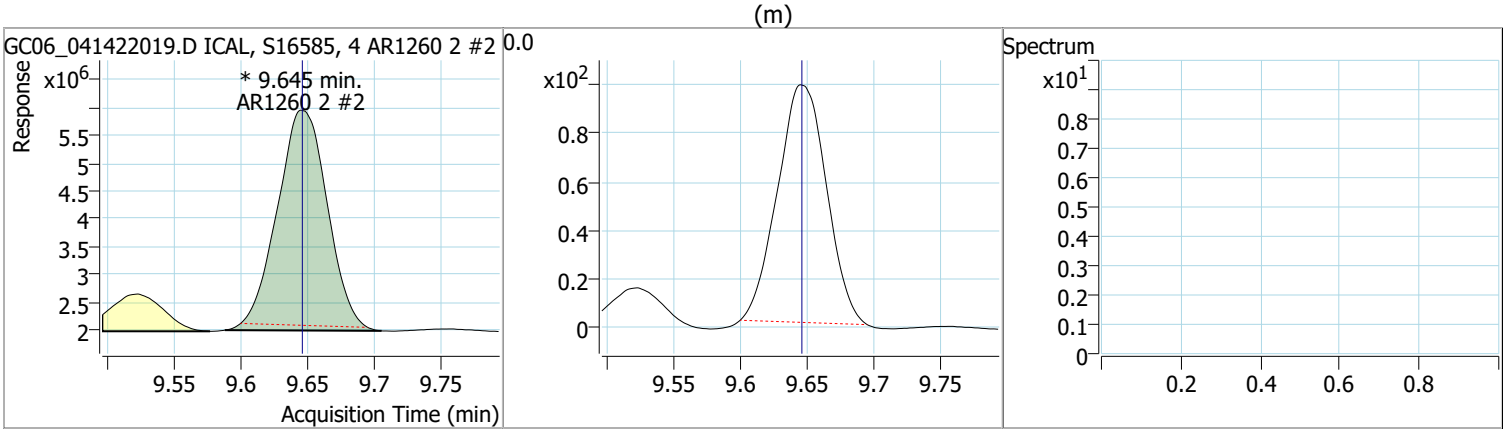
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	477.4985	9.21	0.00	9095023 (m)			



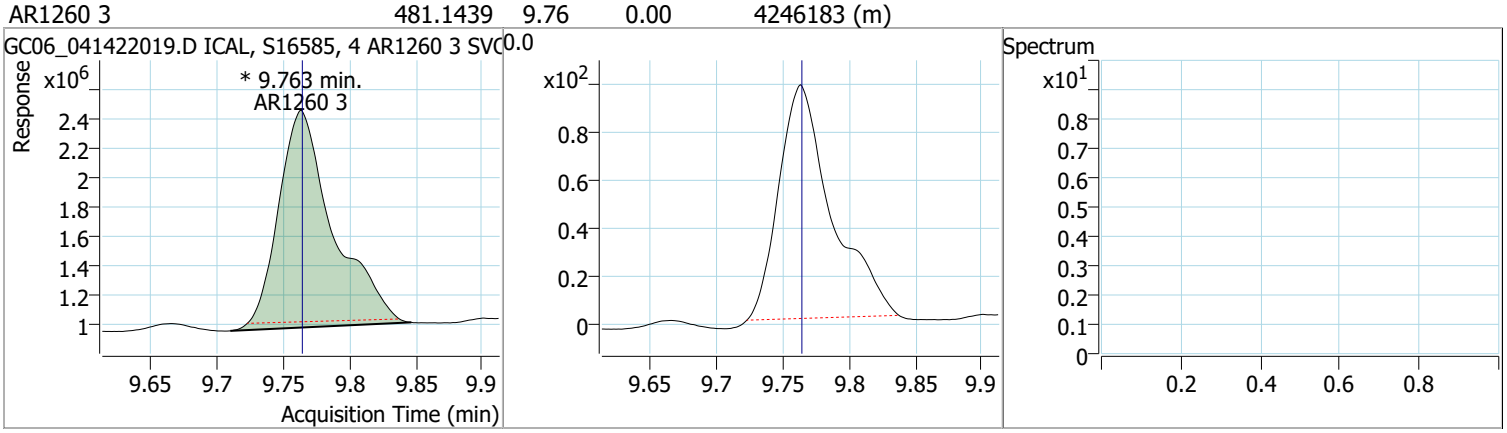
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	480.6274	9.22	0.00	4080185			



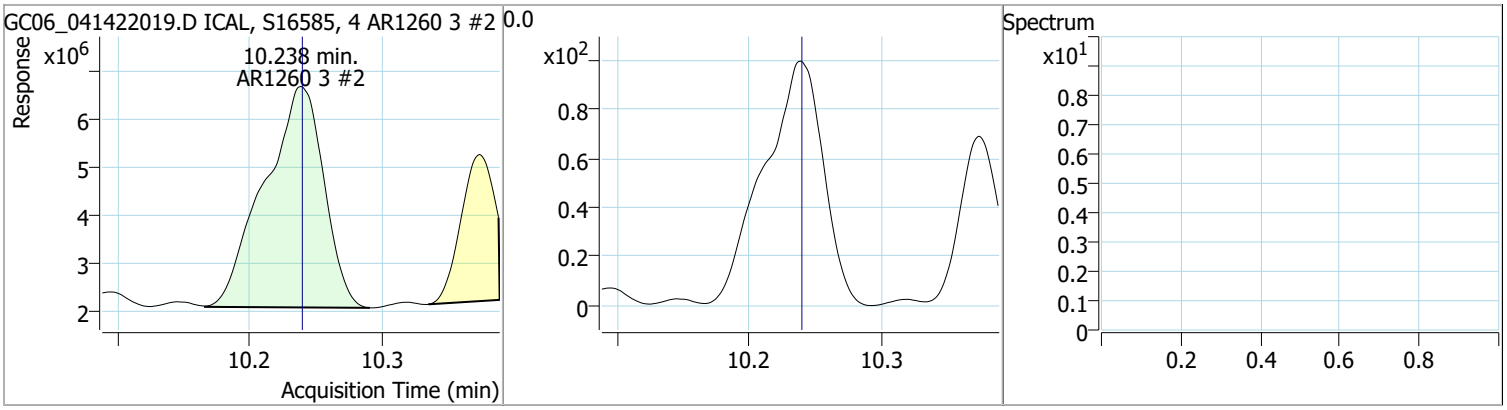
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	480.3199	9.65	0.00	10571114 (m)			



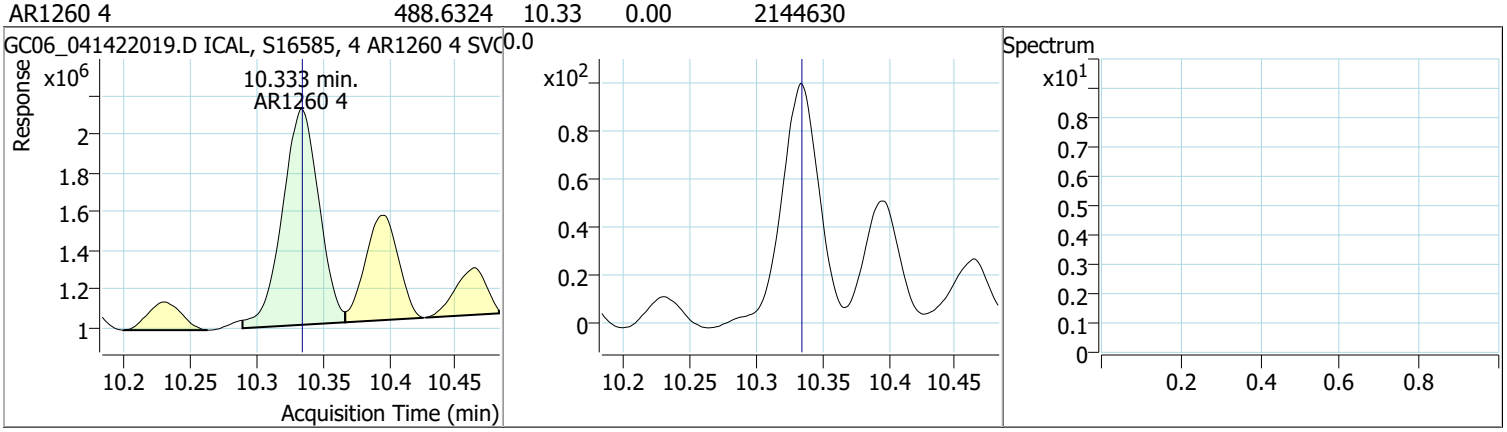
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	481.1439	9.76	0.00	4246183 (m)			



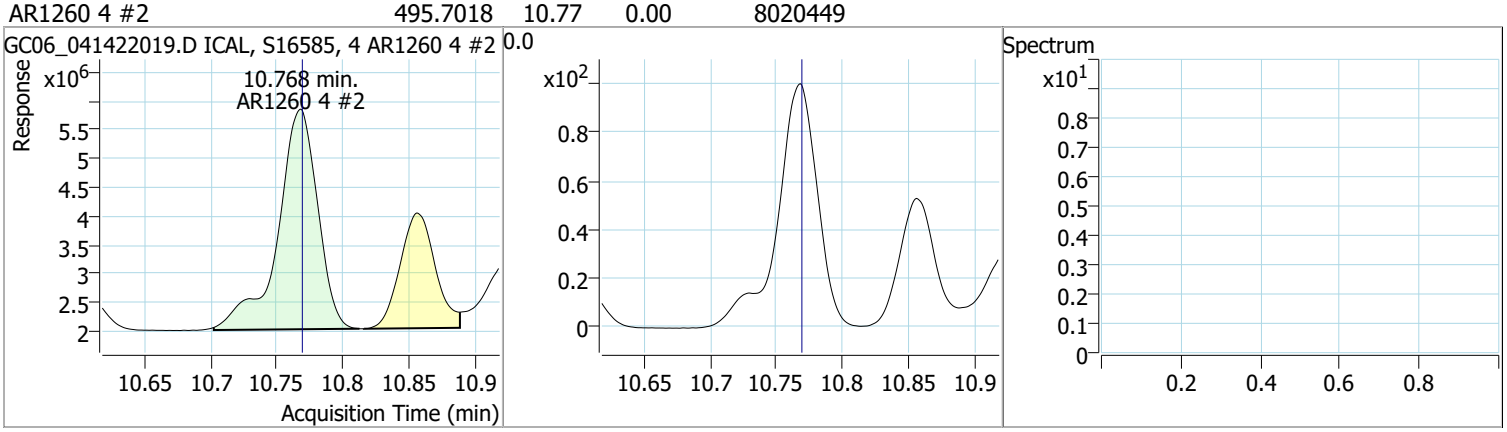
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	483.6947	10.24	0.00	14462994			



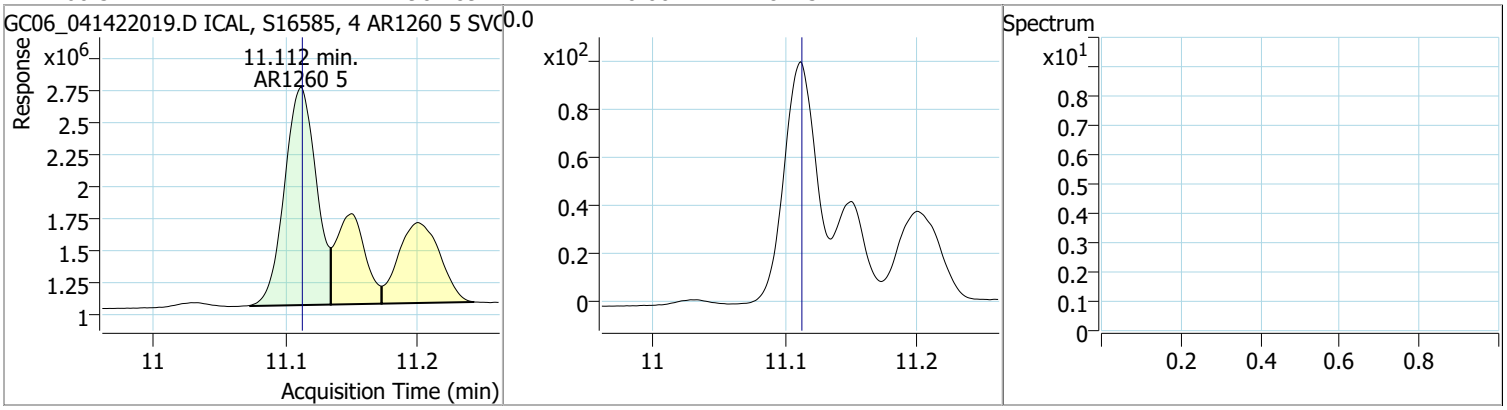
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	488.6324	10.33	0.00	2144630			



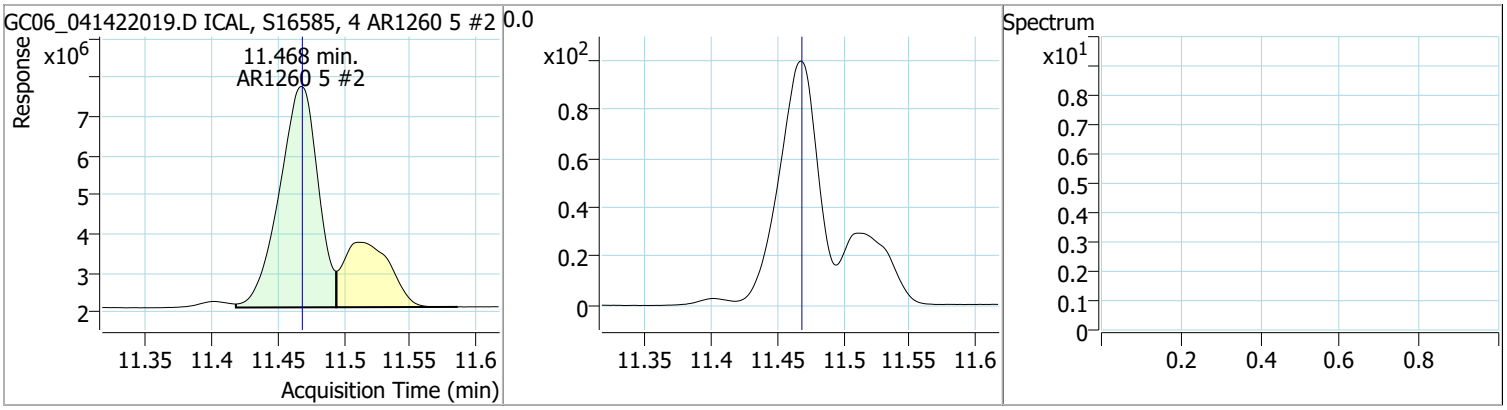
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	495.7018	10.77	0.00	8020449			



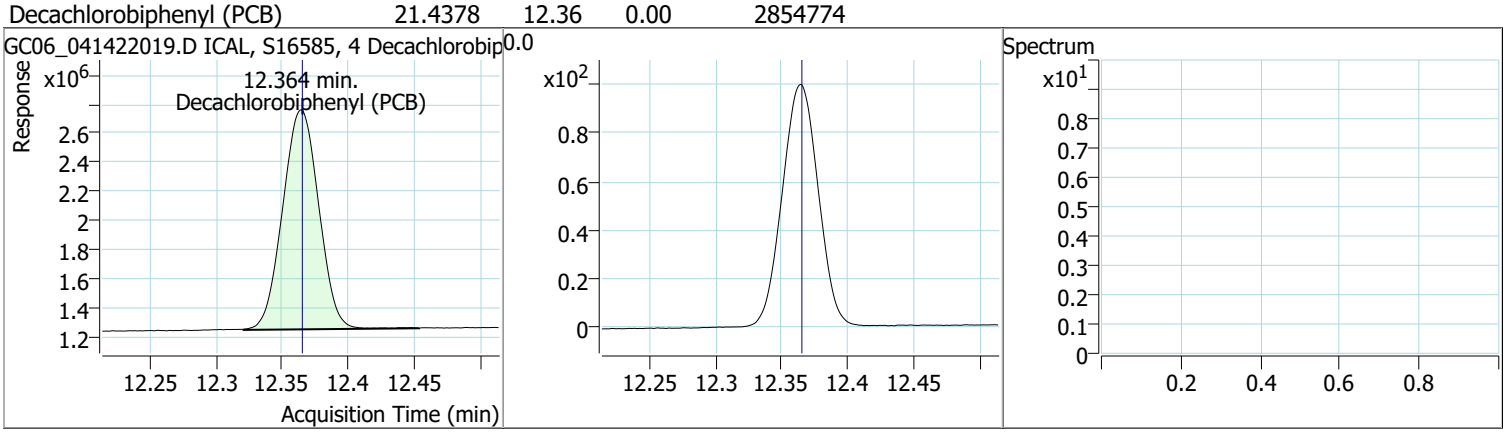
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	490.1891	11.11	0.00	2847527			



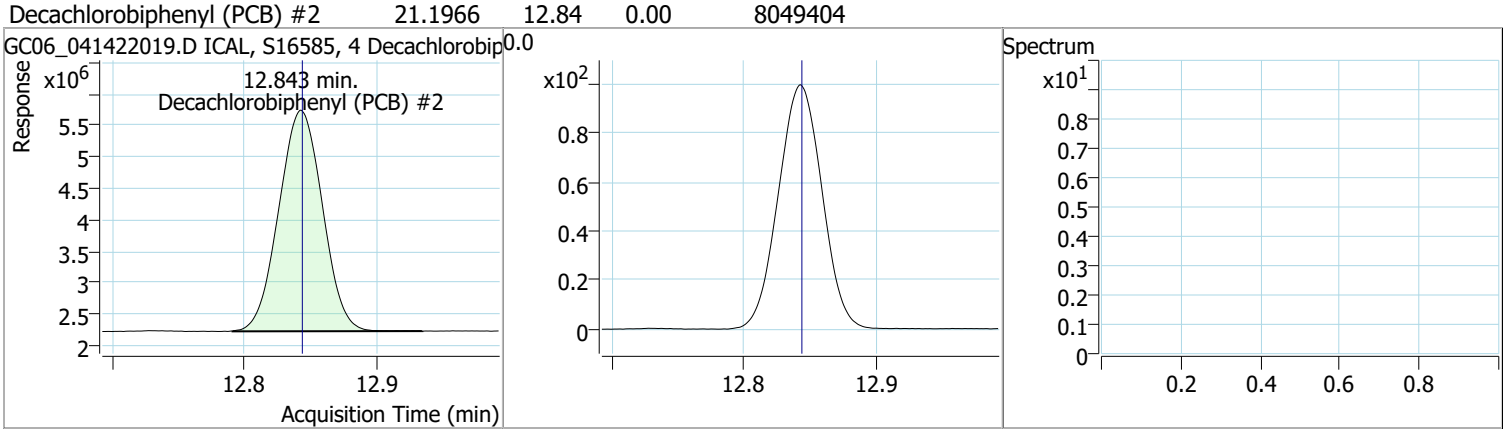
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	480.9254	11.47	0.00	11472329			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	21.4378	12.36	0.00	2854774			

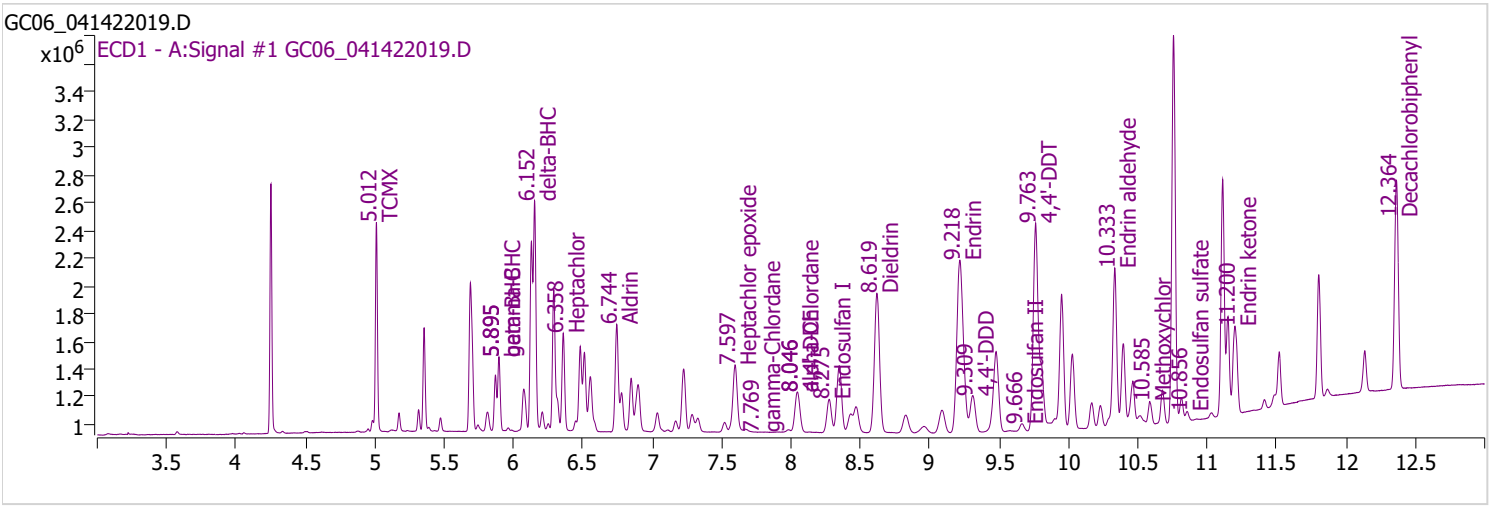


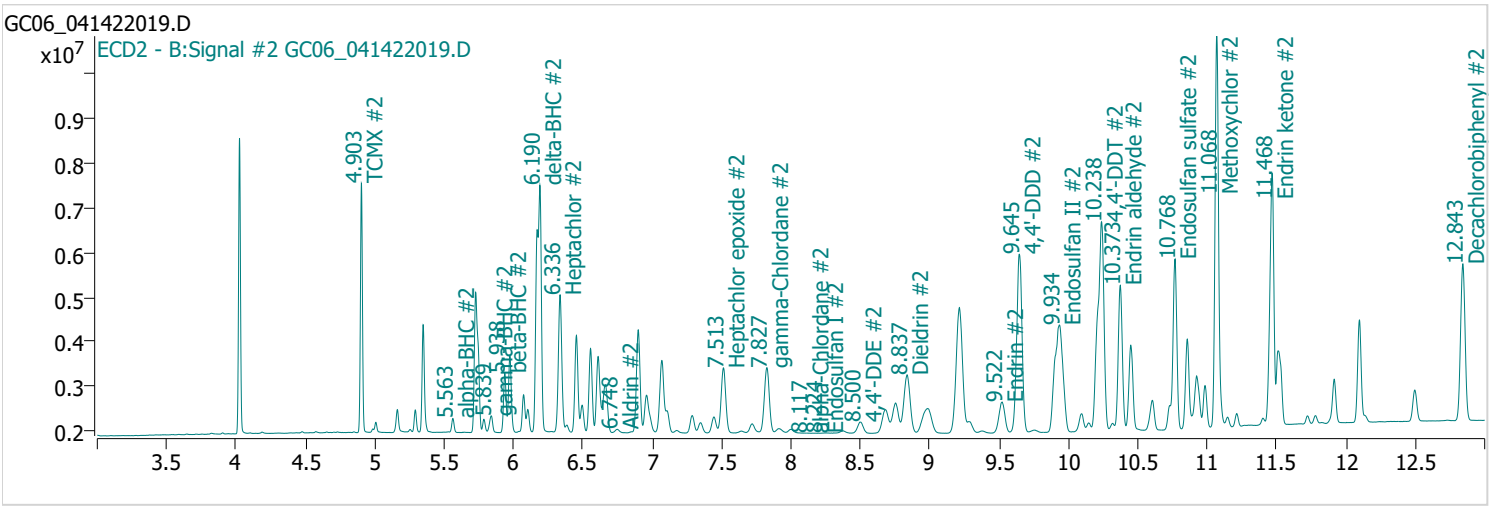
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	21.1966	12.84	0.00	8049404			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422019.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 7:51:33 PM
Sample Name	ICAL, S16585, 4	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 115	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 8:05:48 PM



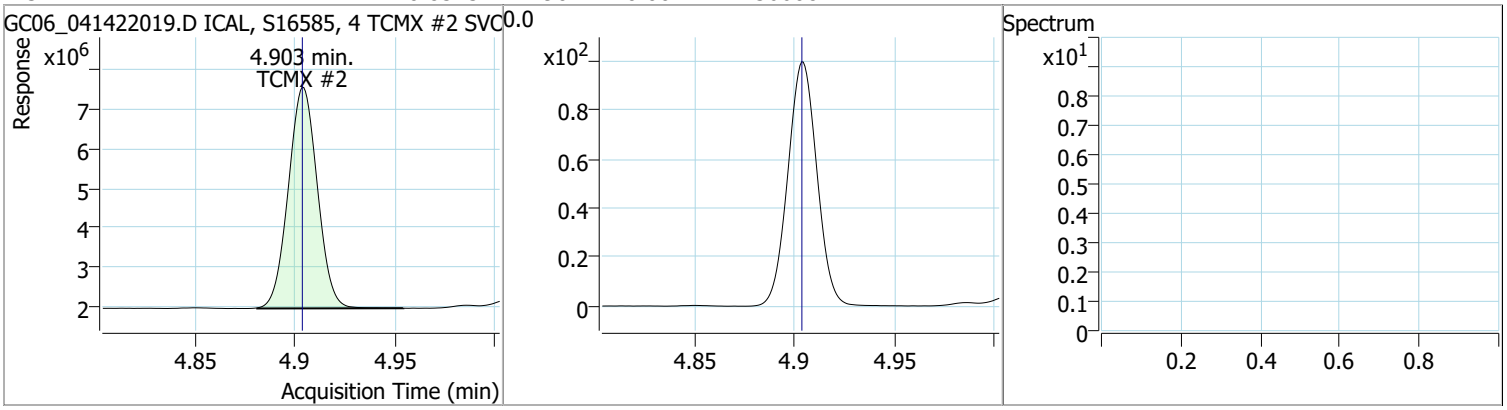


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.252	4.025	1741966	6286733	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.012	4.903	1580217	5660824	19.748	20.854	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	98.74%	104.27%	
S Decachlorobiphenyl	12.364	12.843	2820629	8017653	23.025	22.327	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	115.13%	111.64%	
Target Compounds							
T alpha-BHC	----	5.563 f	0	343211	N.D.	1.427 #	ng/ml
T gamma-BHC	5.895	5.839	657278	532329	8.878	2.180 #	ng/ml
T beta-BHC	5.895	5.938	655012	1711470	17.265	11.915 #	ng/ml
T delta-BHC	6.152	6.190	2131988	13330961	21.086	27.383 #	ng/ml
T Heptachlor	6.358	6.336	849316	5357740	10.881	16.005 #	ng/ml
T Aldrin	6.744	6.748	1231822	147229	14.681	0.576 #	ng/ml
T Heptachlor epoxide	7.597	7.513	1044332	3071162	12.958	11.243	ng/ml
T gamma-Chlordane	7.769	7.827	1352	3546430	0.022	11.949 #	ng/ml
T alpha-Chlordane	8.046	8.117	460118	759	7.073	0.004 #	ng/ml

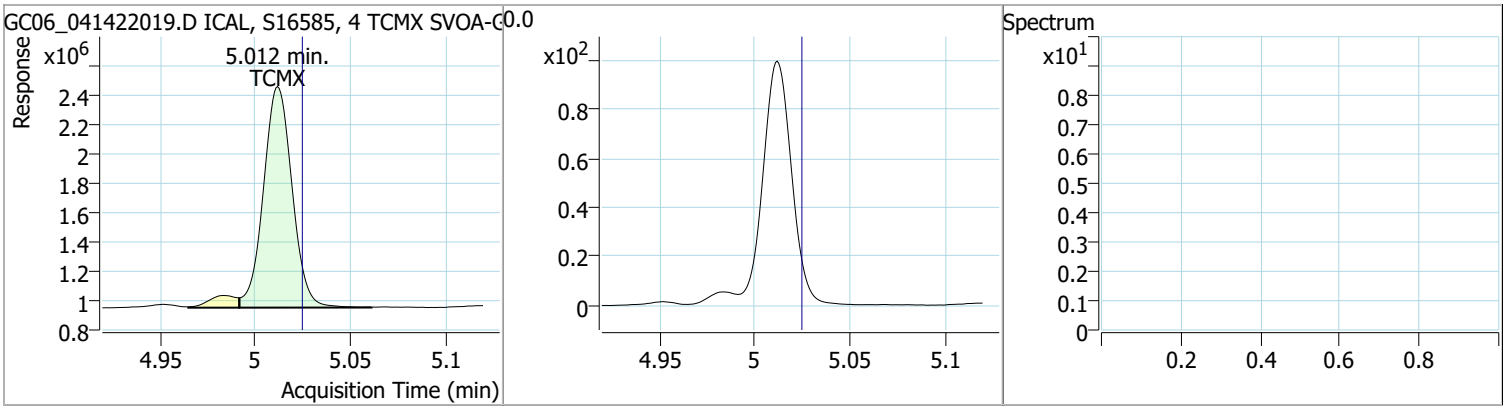
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.275	8.224	543392	2878	8.821	0.014 #	ng/ml
T 4,4'-DDE	8.046	8.500 f	708218	696359	11.132	3.563 #	ng/ml
T Dieldrin	8.619	8.837	2625480	2765724	30.940	11.722 #	ng/ml
T Endrin	9.218	9.522	3891311	2017240	43.217	9.696 #	ng/ml
T 4,4'-DDD	9.309	9.645 f	404913	9764947	8.727	46.238 #	ng/ml
T Endosulfan II	9.666	9.934 f	108827	9923288	1.831	34.228 #	ng/ml
T 4,4'-DDT	9.763	10.238	4068912	14395011	58.202	43.868	ng/ml
T Endrin aldehyde	10.333	10.373	1982540	6406259	33.760	30.834	ng/ml
T Endosulfan sulfate	10.856	10.768	56701	8033382	1.088	33.210 #	ng/ml
T Methoxychlor	10.585	11.068 f	250002	15855033	7.826	116.391 #	ng/ml
T Endrin ketone	11.200	11.468 f	1061145	10465973	14.492	33.494 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

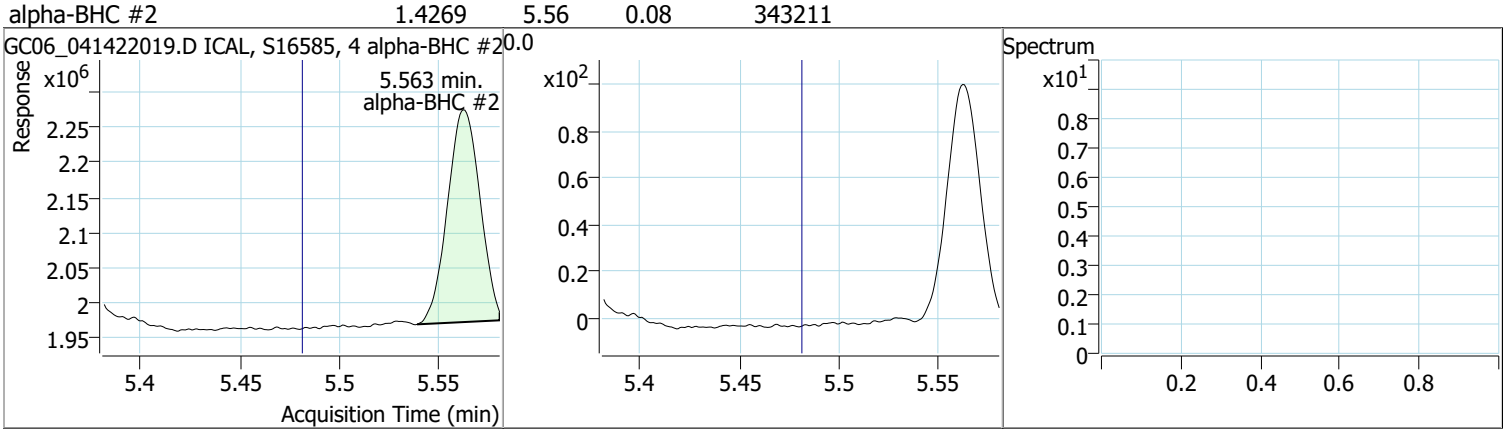
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	20.8545	4.90	0.00	5660824			



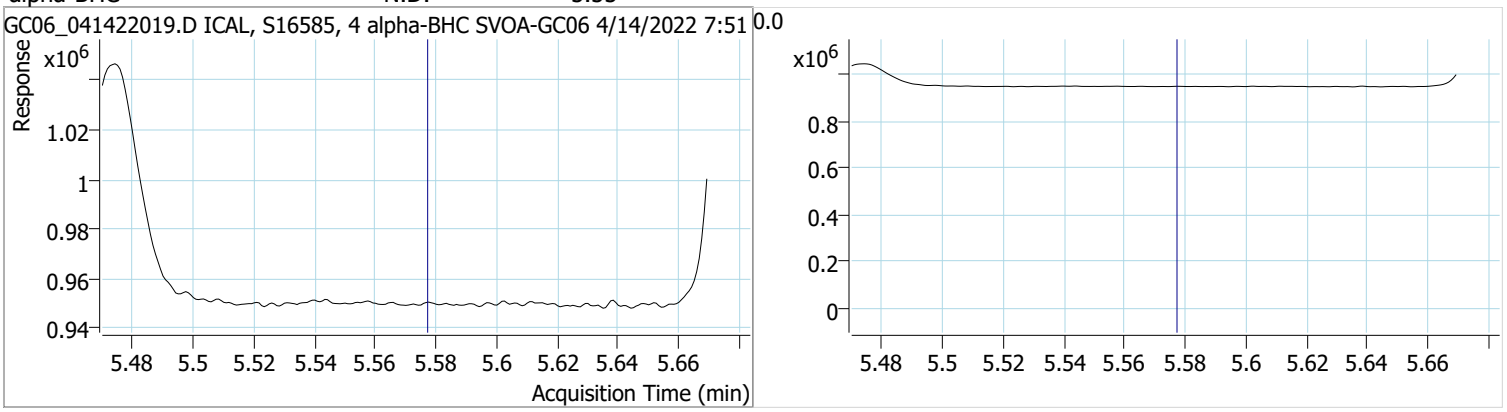
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	19.7478	5.01	0.01	1580217			



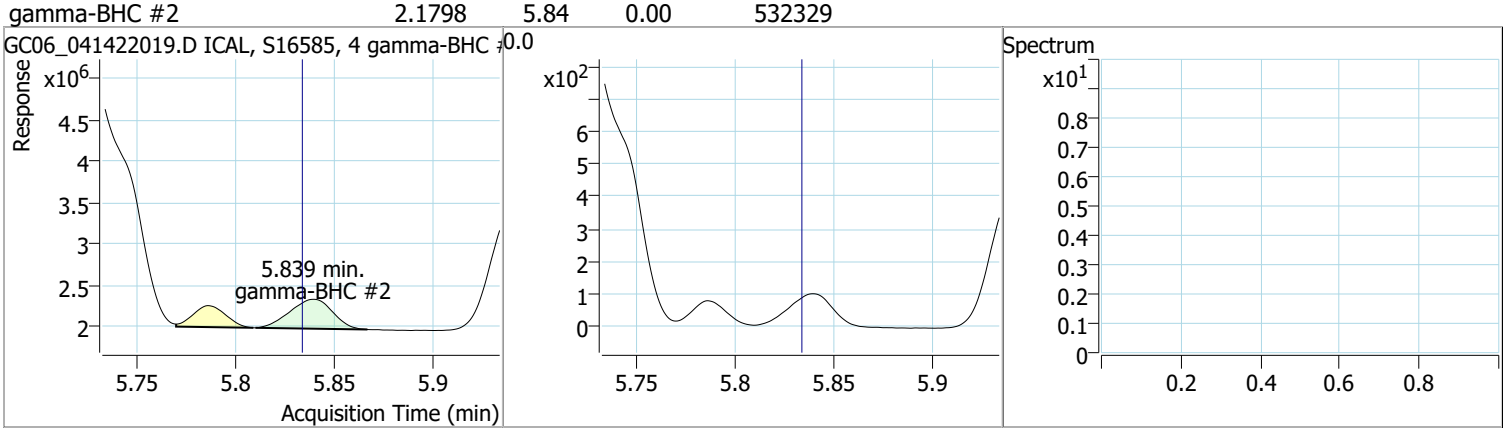
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	1.4269	5.56	0.08	343211			



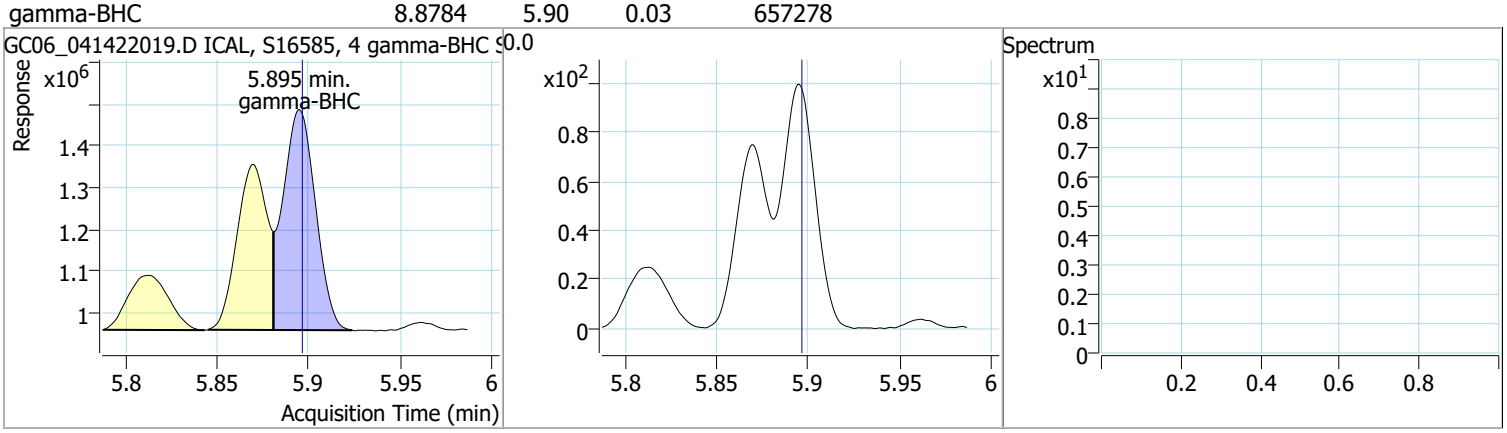
Compound	Conc.		Exp Ratio
alpha-BHC	N.D.	5.55	



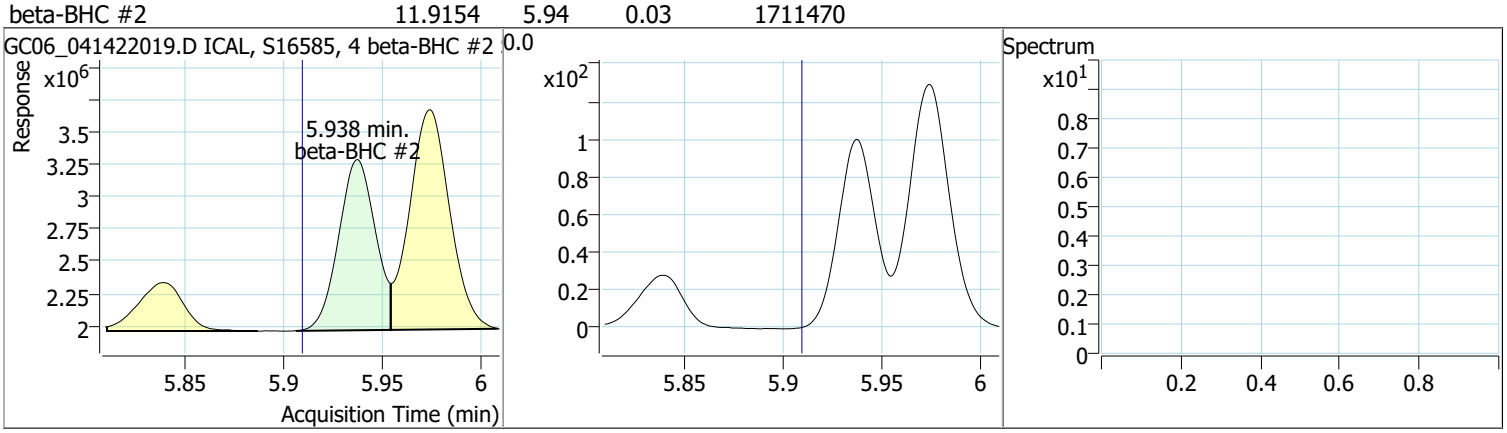
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	2.1798	5.84	0.00	532329			



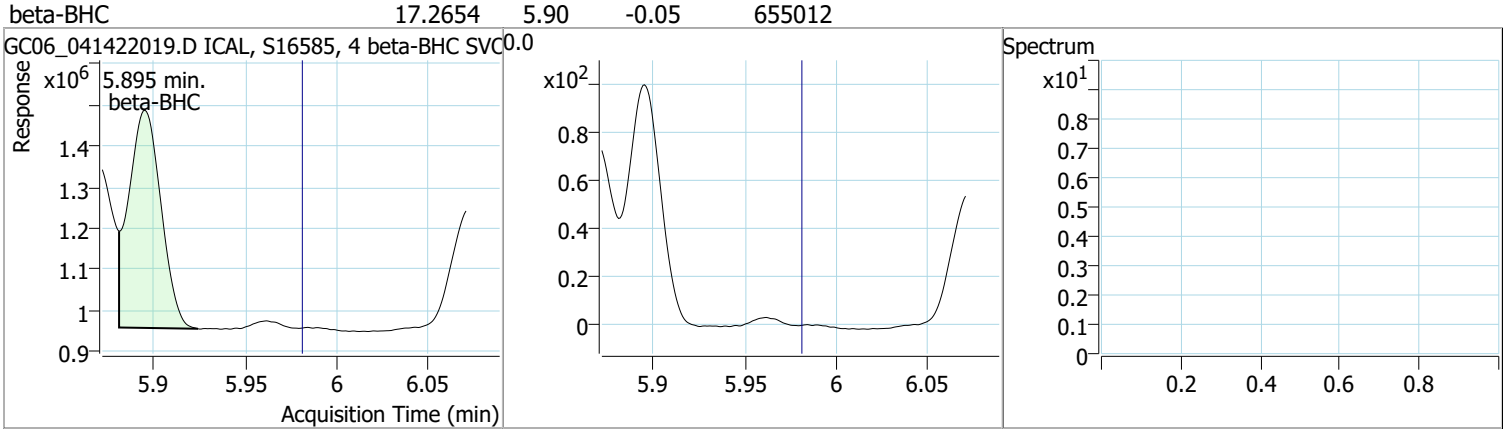
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	8.8784	5.90	0.03	657278			



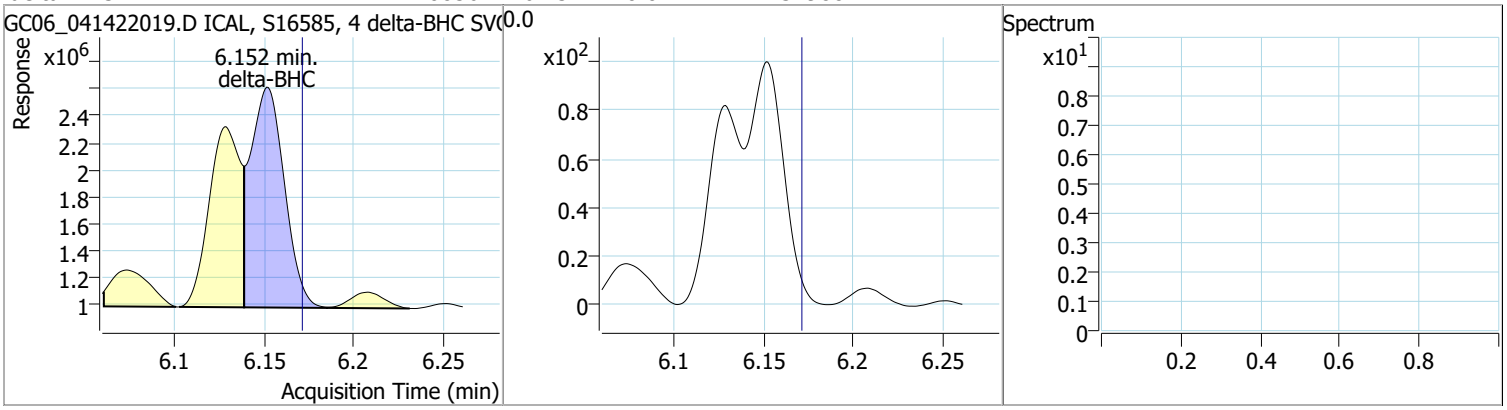
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	11.9154	5.94	0.03	1711470			



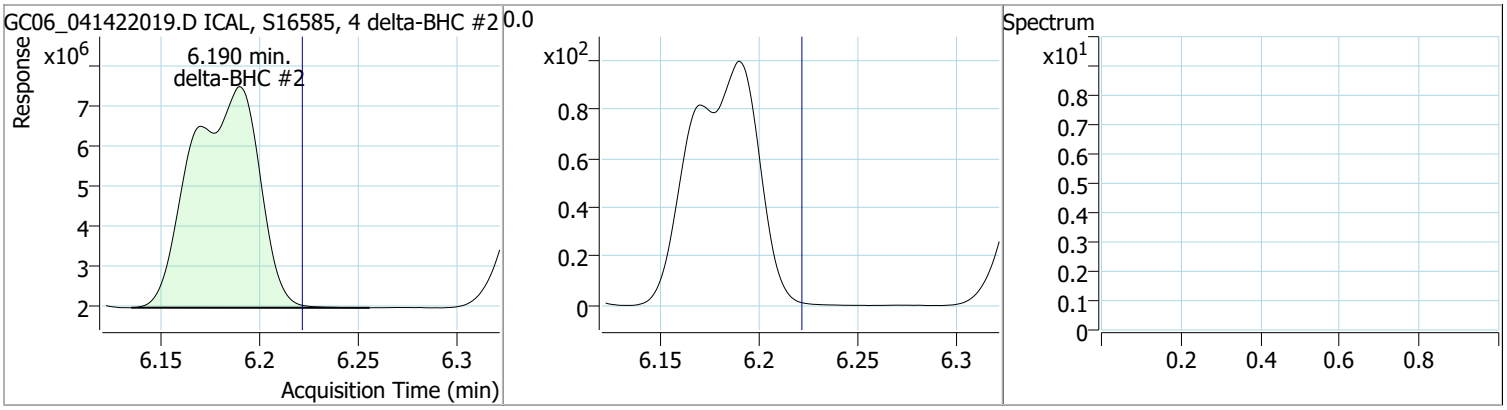
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	17.2654	5.90	-0.05	655012			



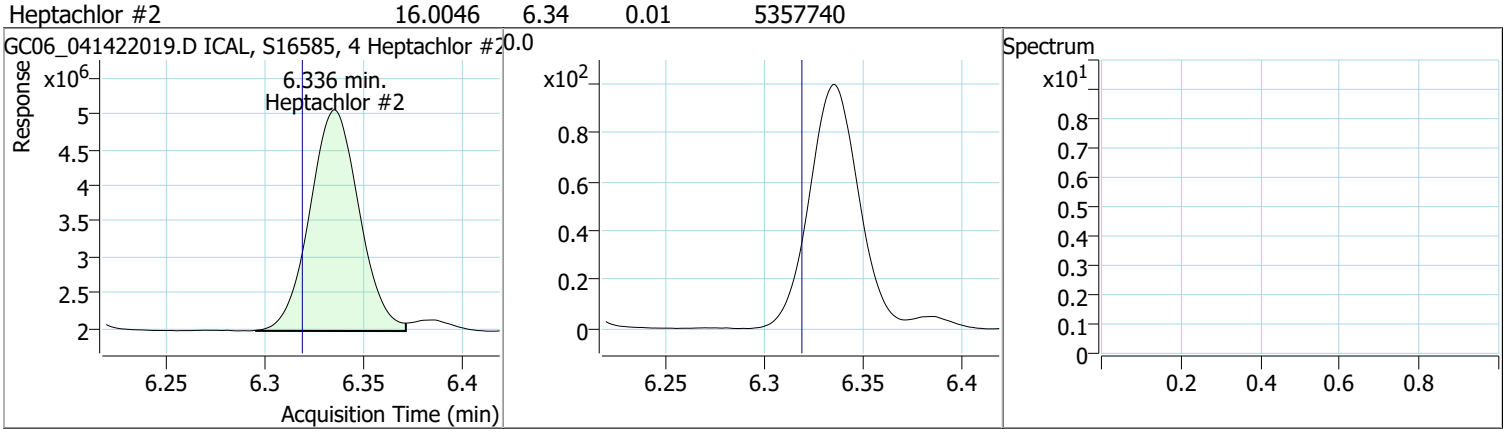
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	21.0856	6.15	0.01	2131988			



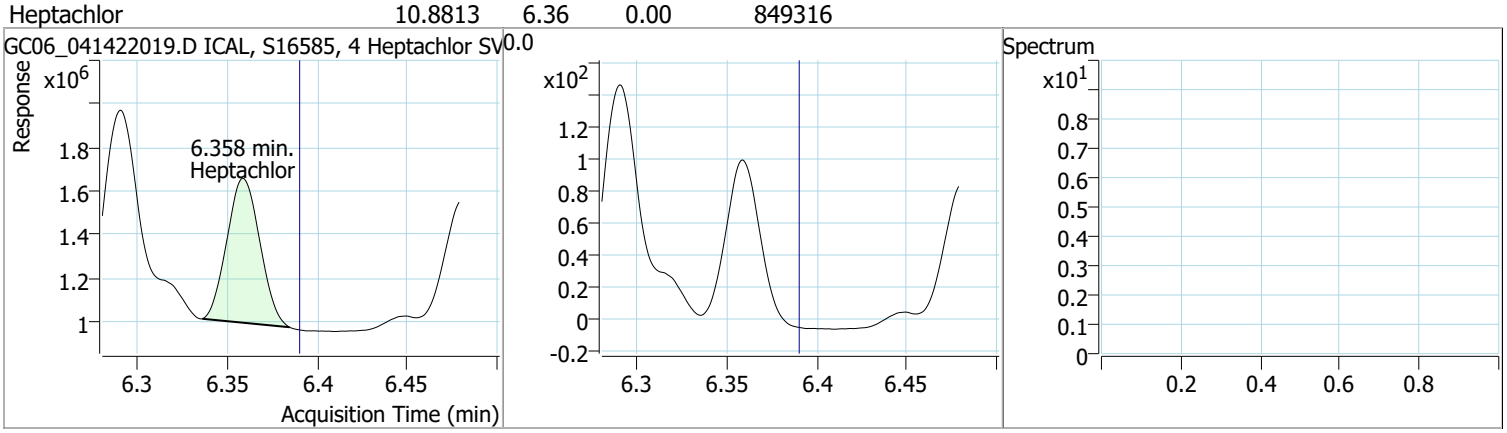
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	27.3833	6.19	-0.03	13330961			



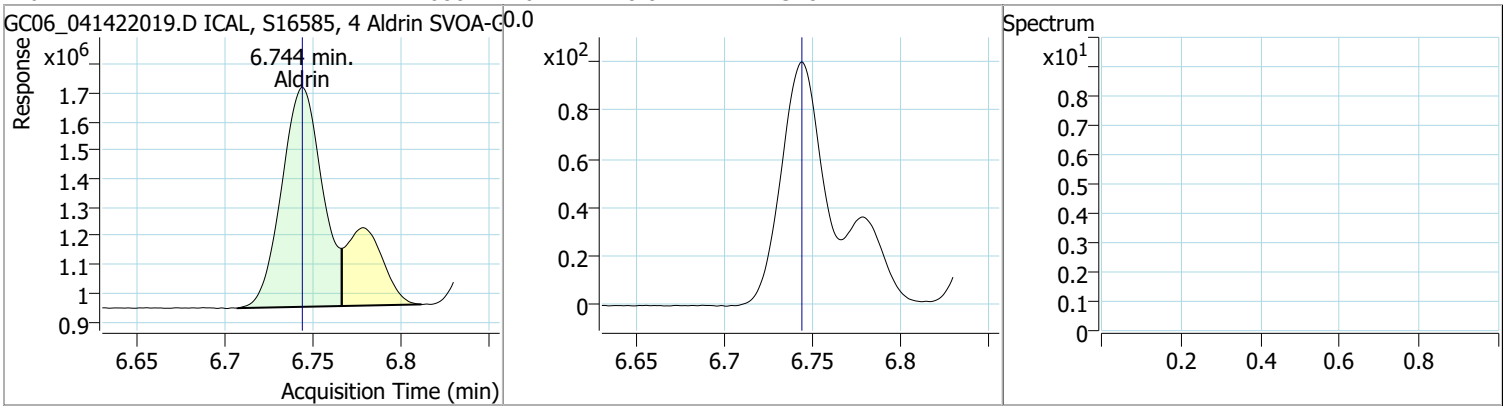
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	16.0046	6.34	0.01	5357740			



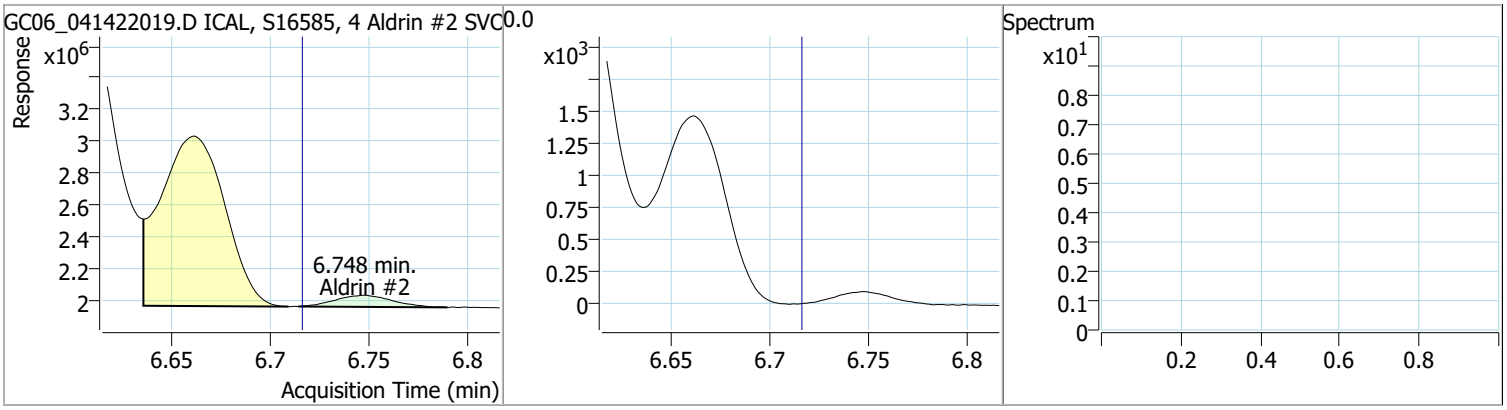
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	10.8813	6.36	0.00	849316			



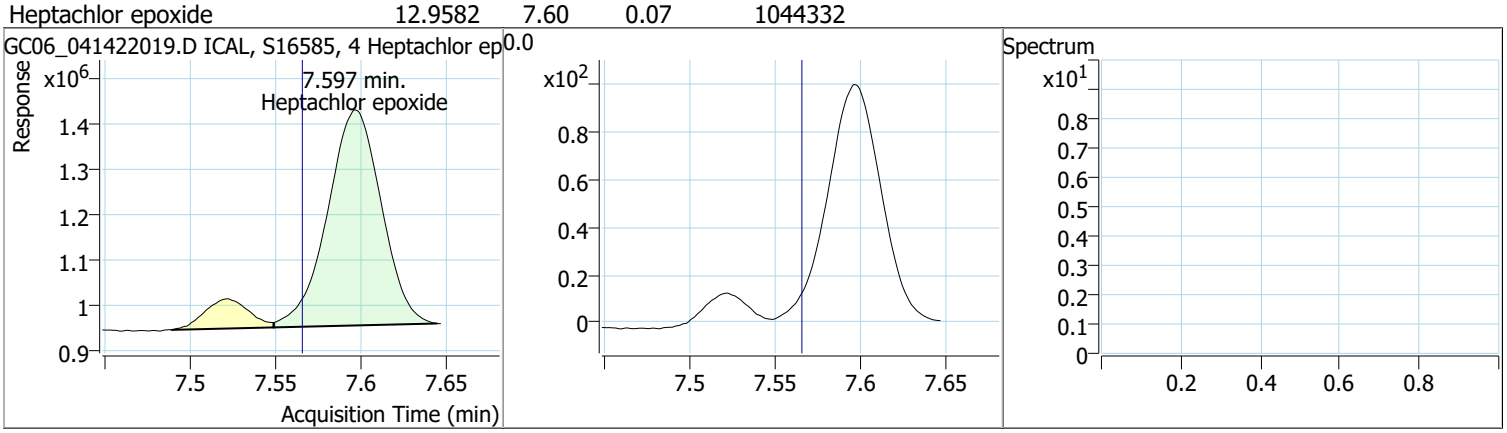
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	14.6807	6.74	0.04	1231822			



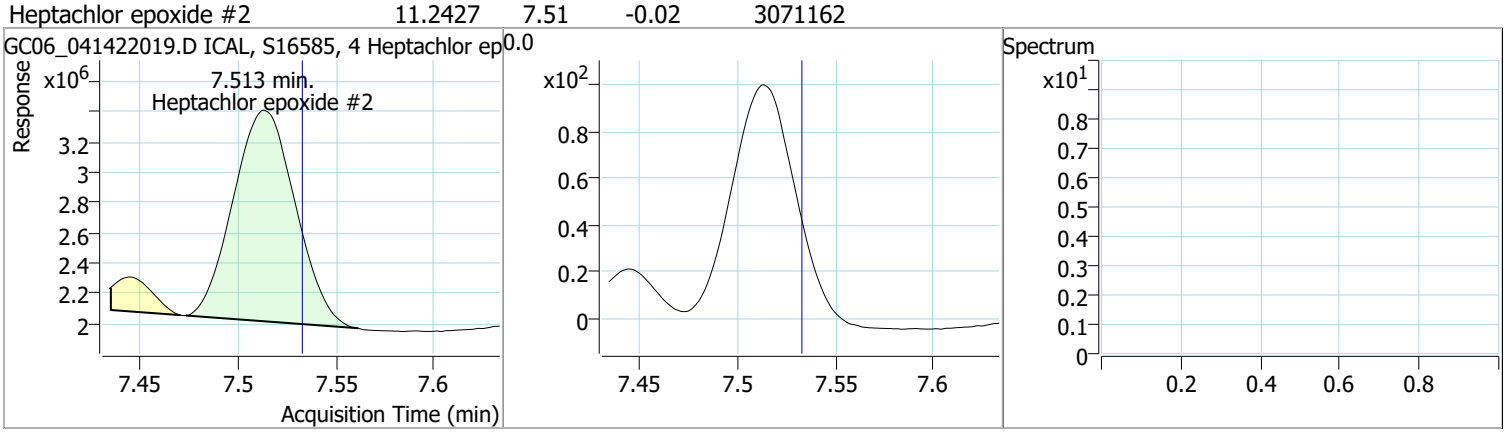
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	0.5761	6.75	0.03	147229			



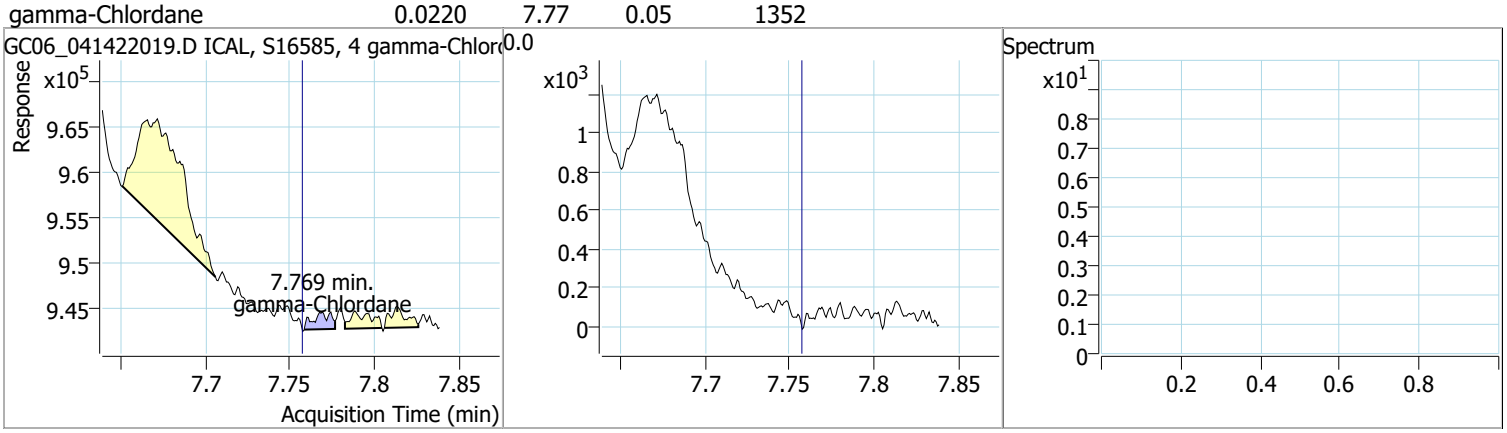
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	12.9582	7.60	0.07	1044332			



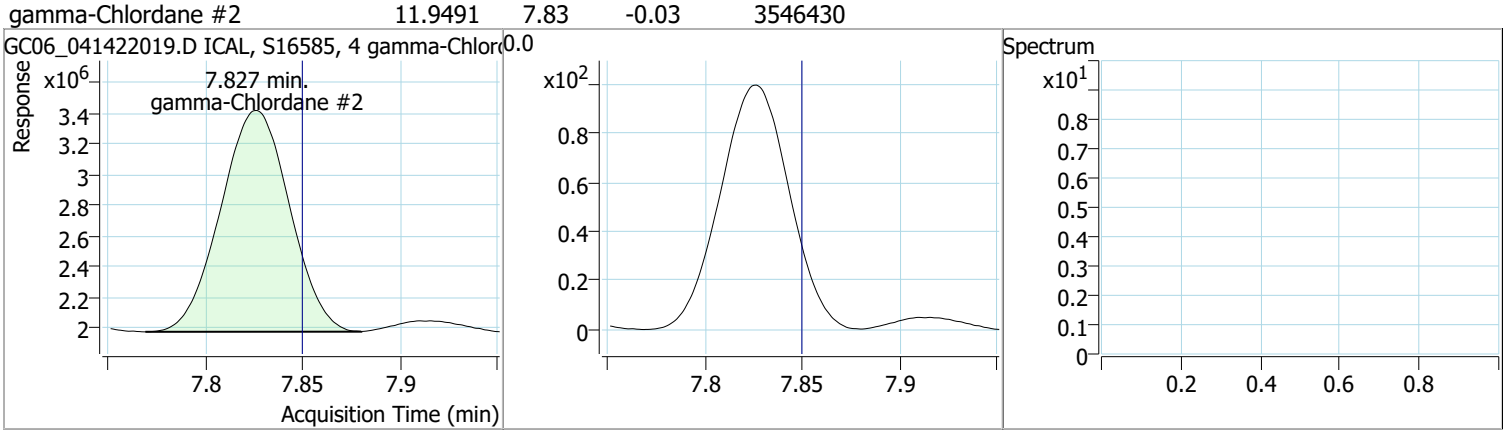
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	11.2427	7.51	-0.02	3071162			



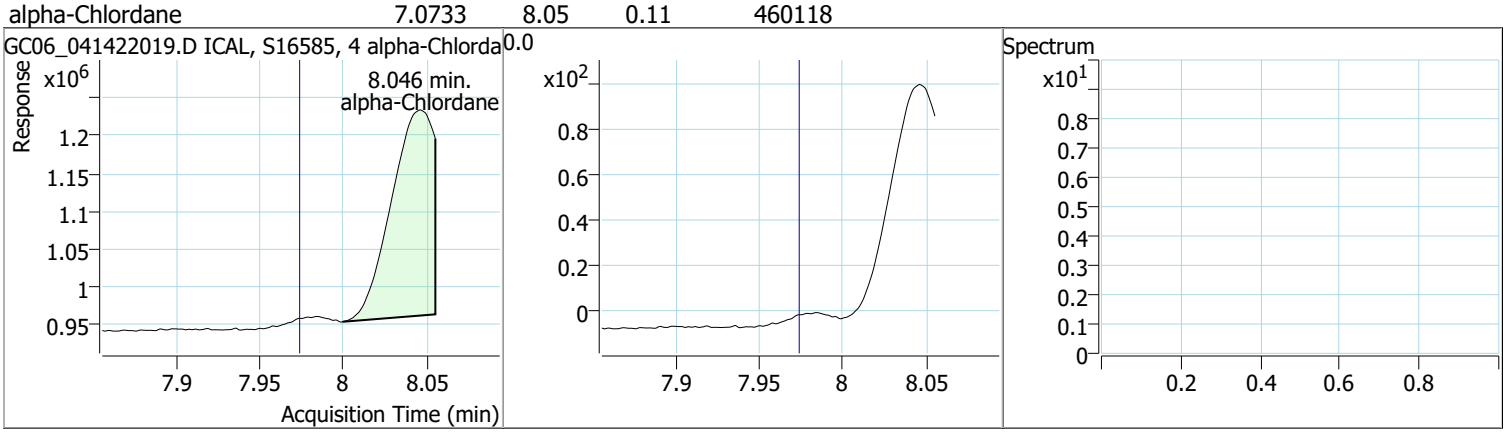
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
gamma-Chlordane	0.0220	7.77	0.05	1352		



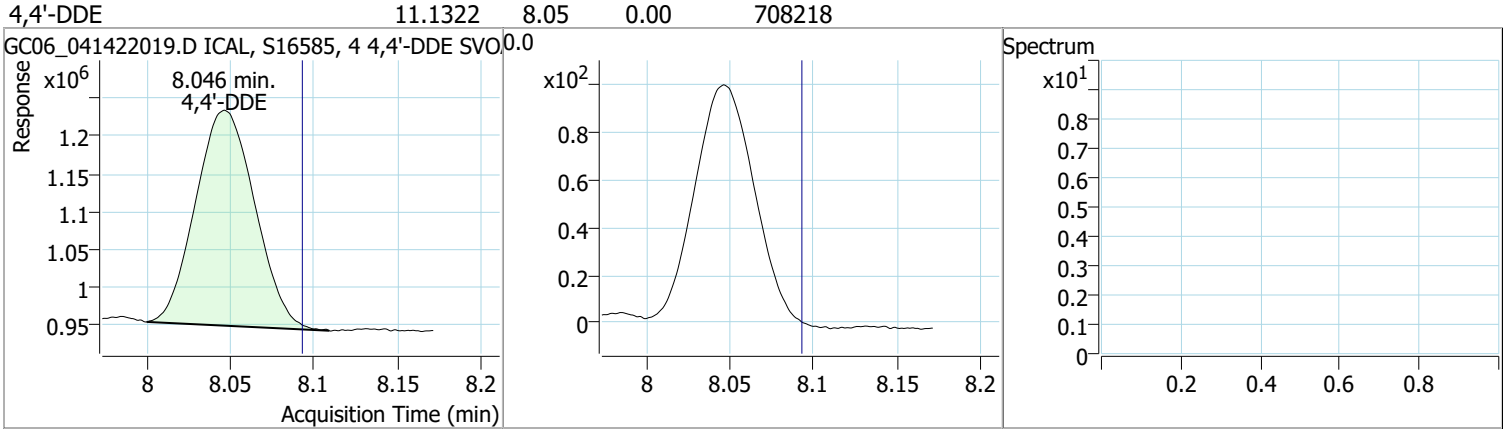
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
gamma-Chlordane #2	11.9491	7.83	-0.03	3546430		



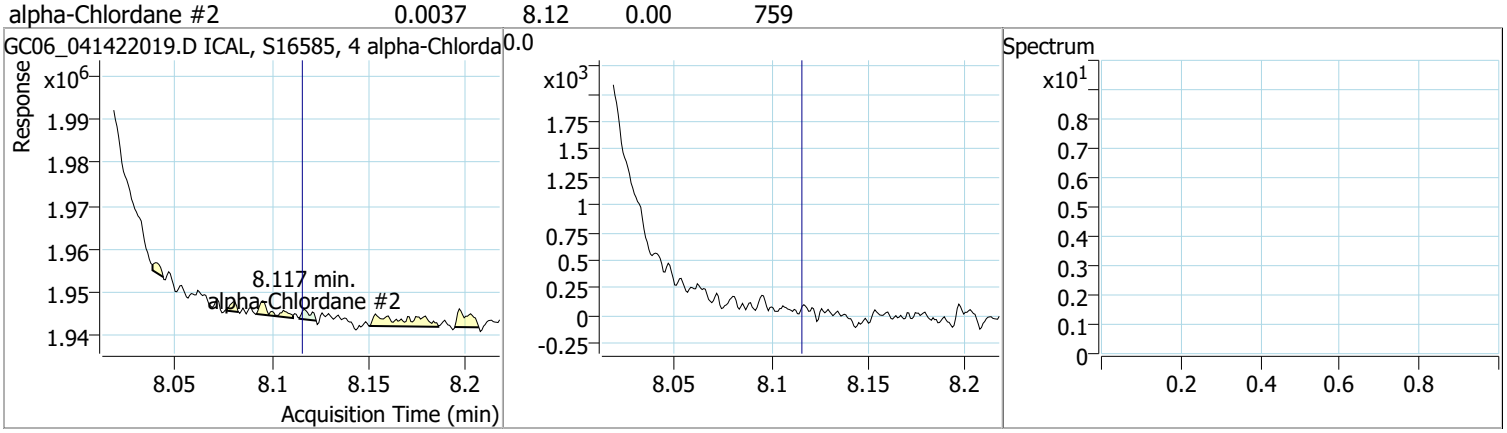
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
alpha-Chlordane	7.0733	8.05	0.11	460118		



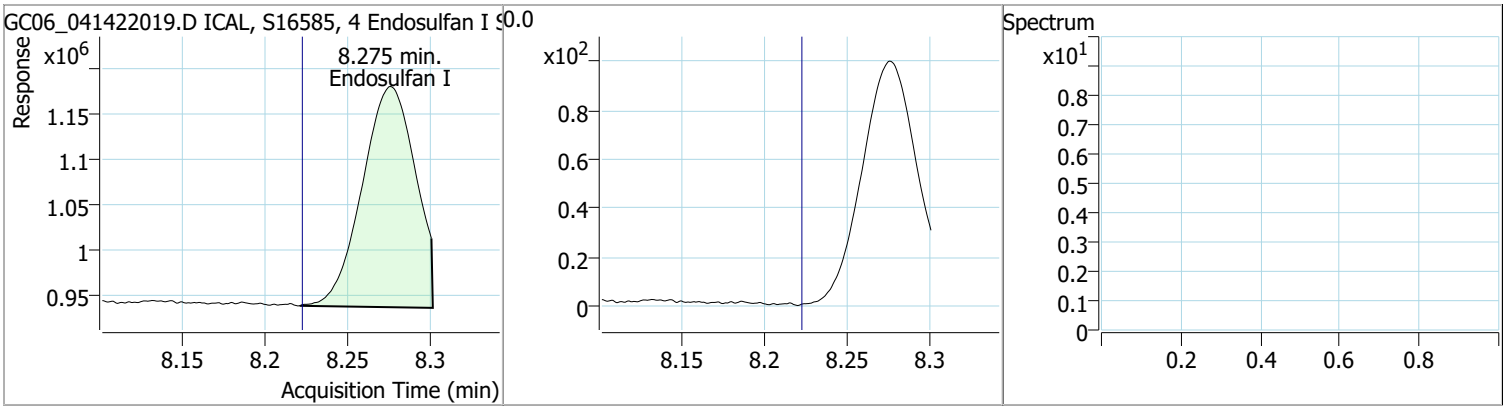
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
4,4'-DDE	11.1322	8.05	0.00	708218		



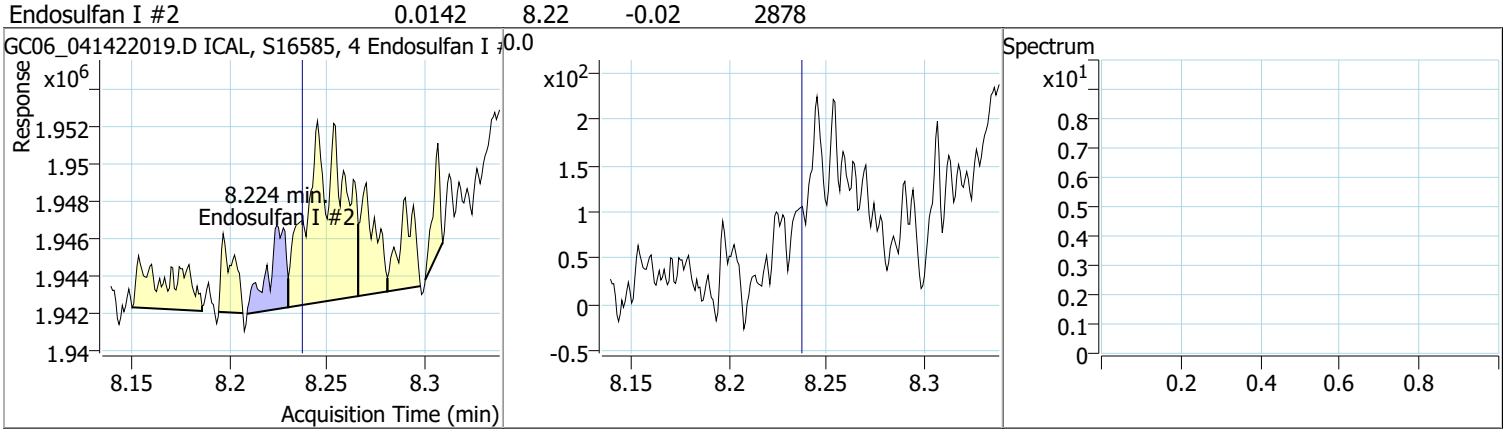
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane #2	0.0037	8.12	0.00	759			



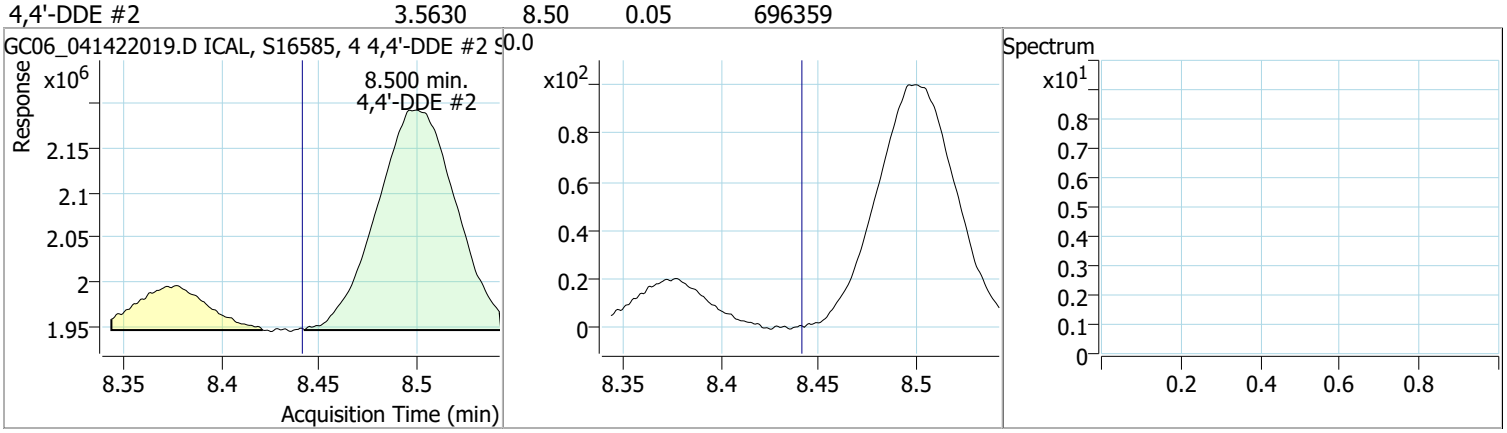
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	8.8210	8.28	0.10	543392			



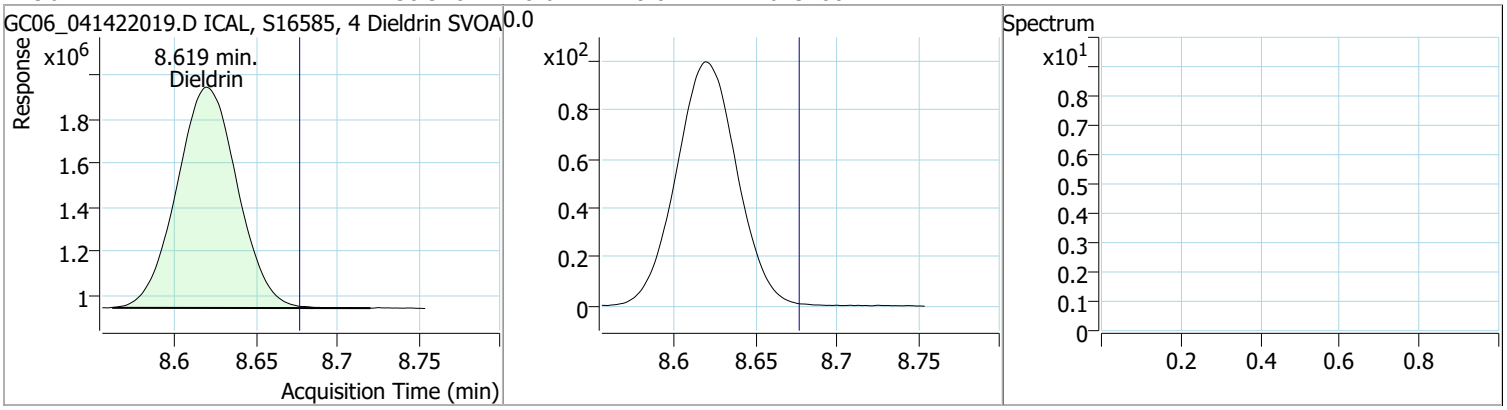
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I #2	0.0142	8.22	-0.02	2878			



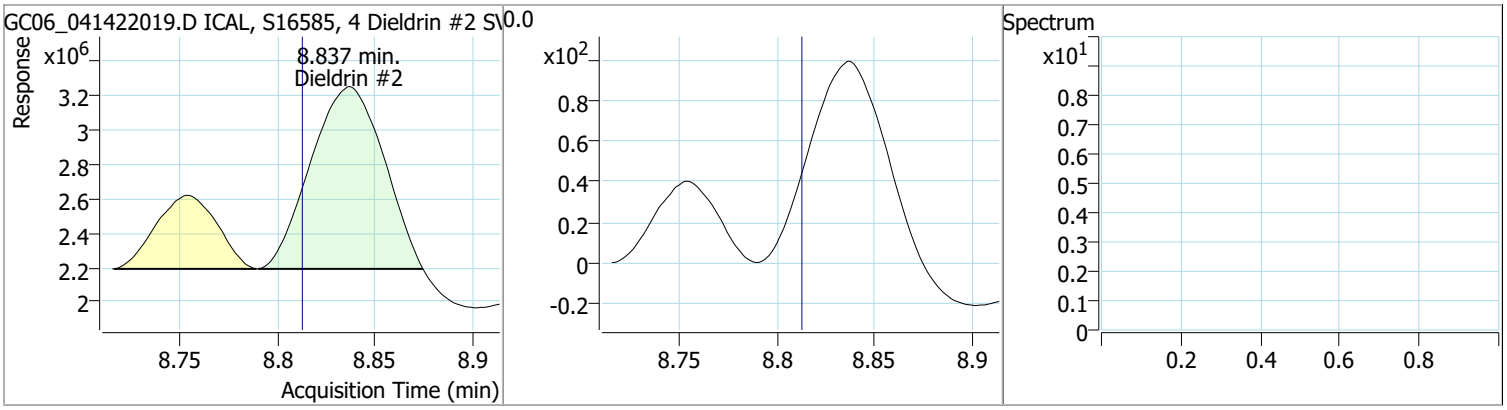
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	3.5630	8.50	0.05	696359			



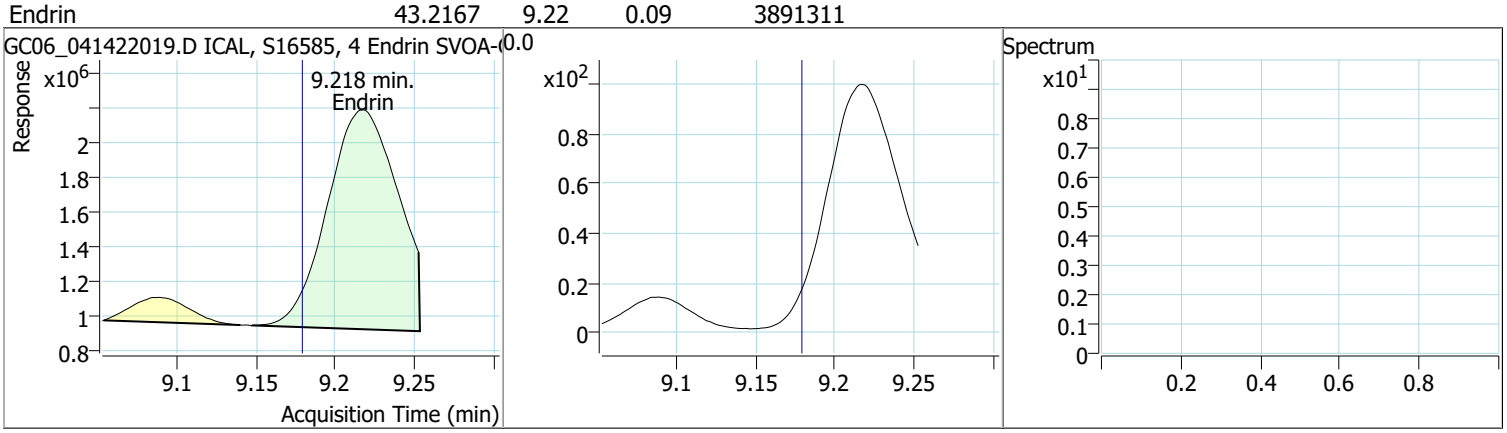
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin	30.9404	8.62	-0.01	2625480			



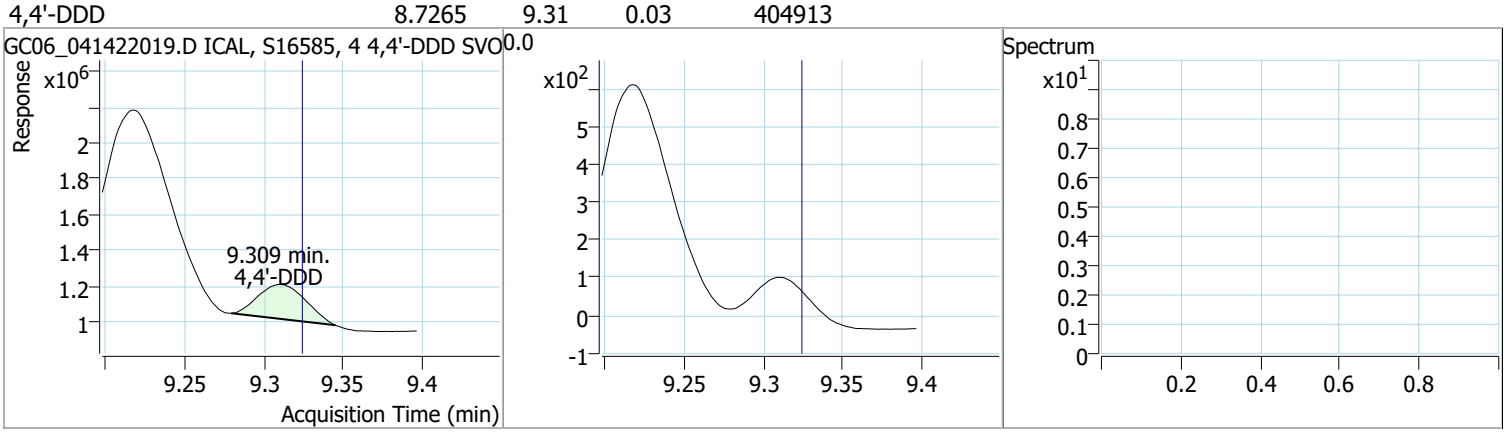
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	11.7221	8.84	0.02	2765724			



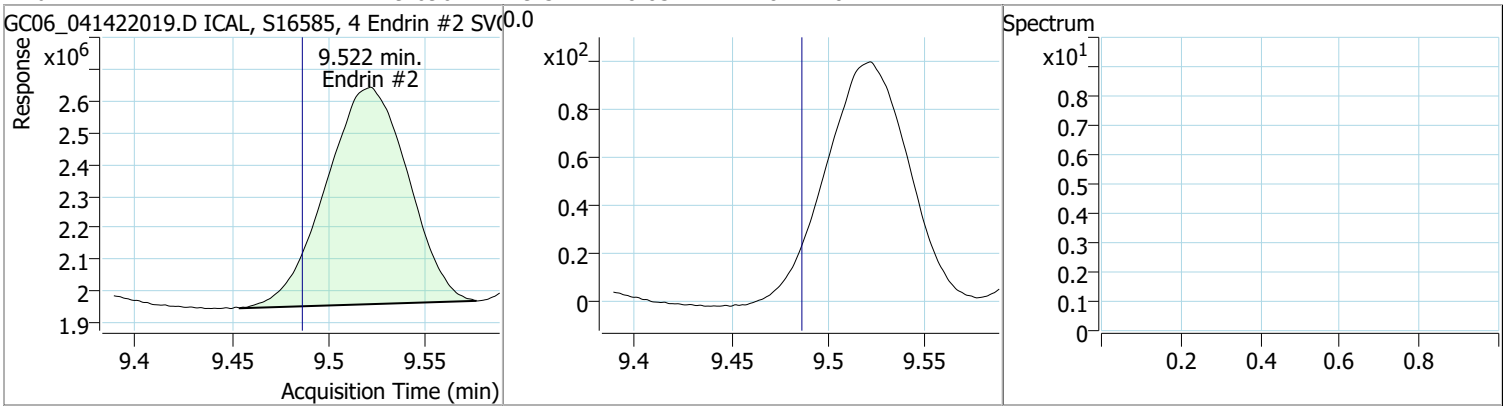
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin	43.2167	9.22	0.09	3891311			



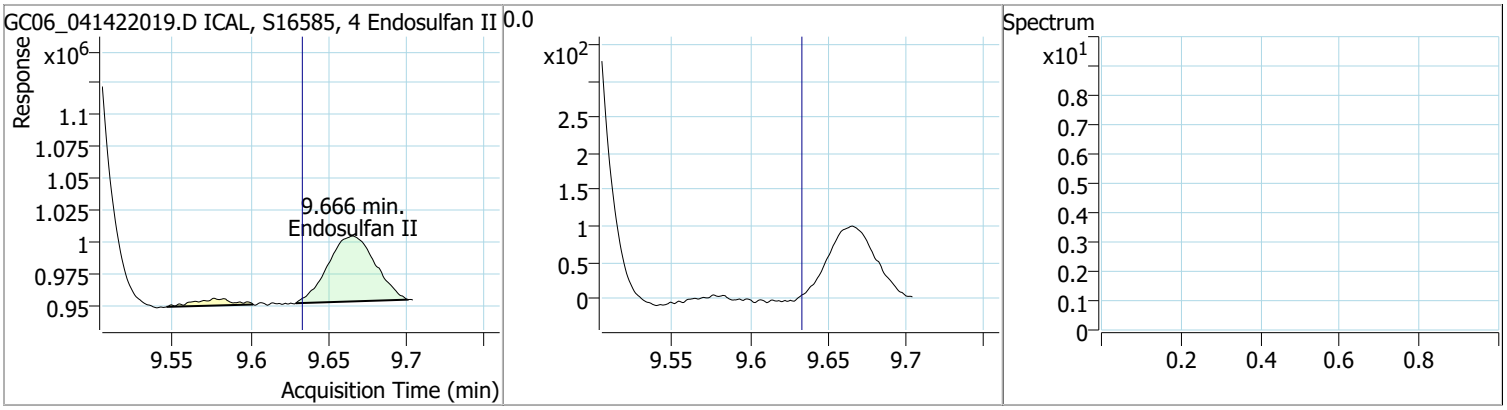
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	8.7265	9.31	0.03	404913			



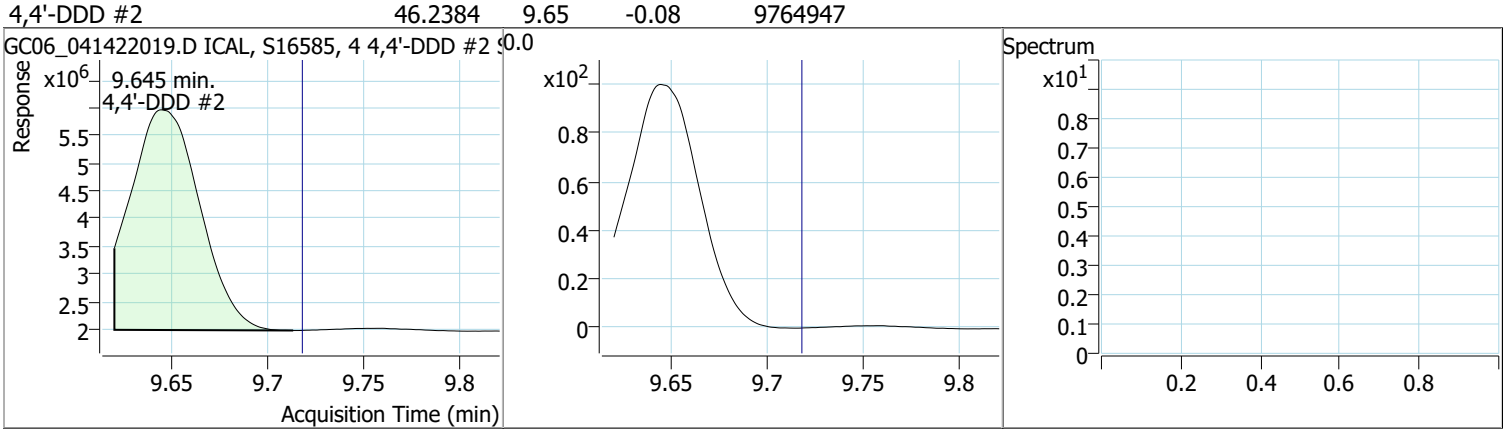
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin #2	9.6962	9.52	0.03	2017240			



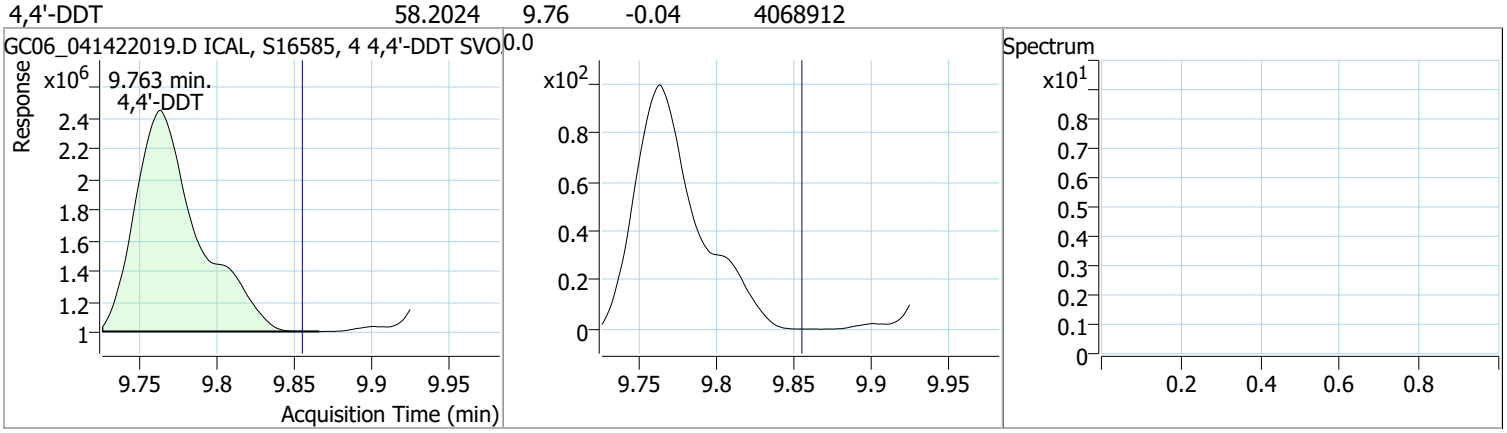
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II	1.8314	9.67	0.08	108827			



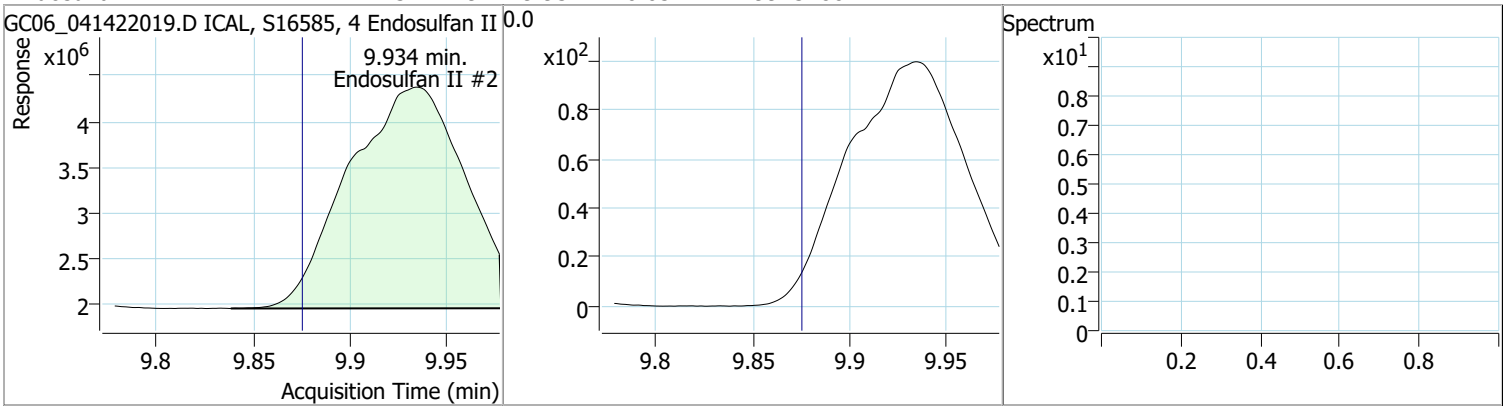
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	46.2384	9.65	-0.08	9764947			



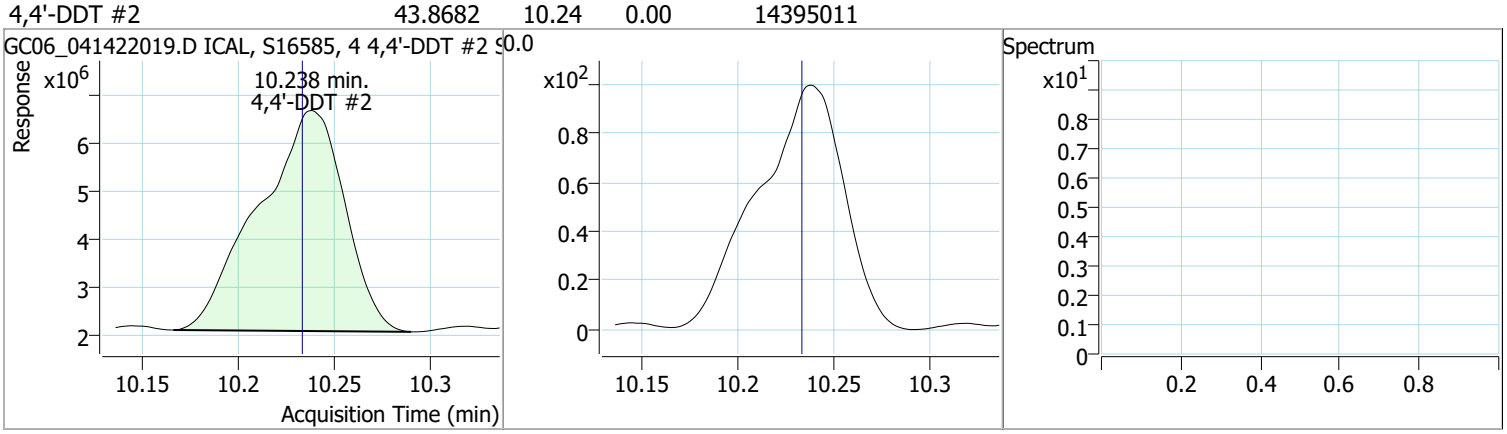
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	58.2024	9.76	-0.04	4068912			



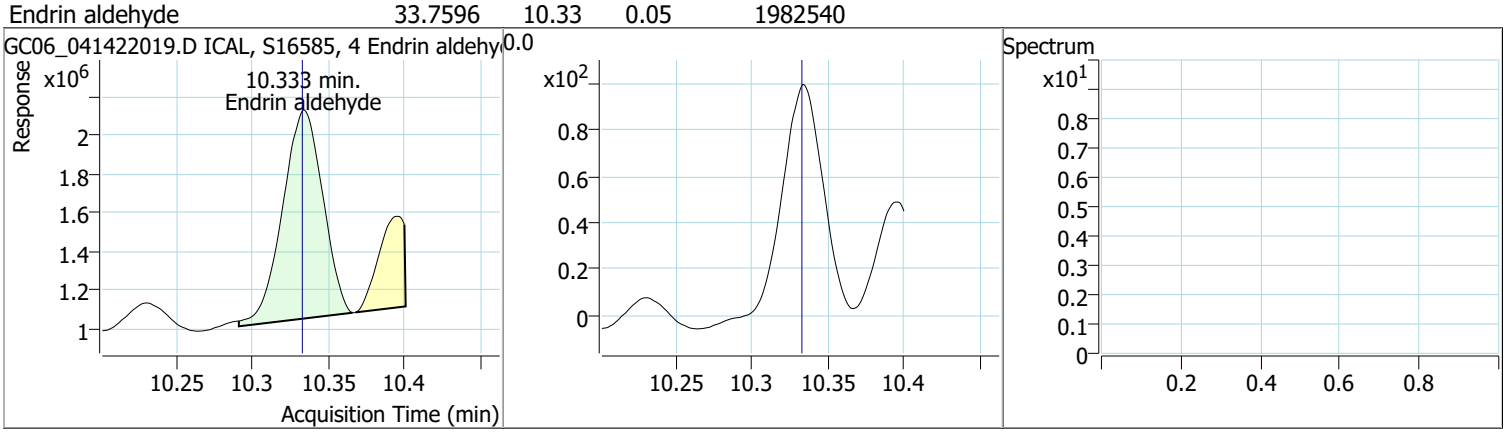
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	34.2279	9.93	0.05	9923288			



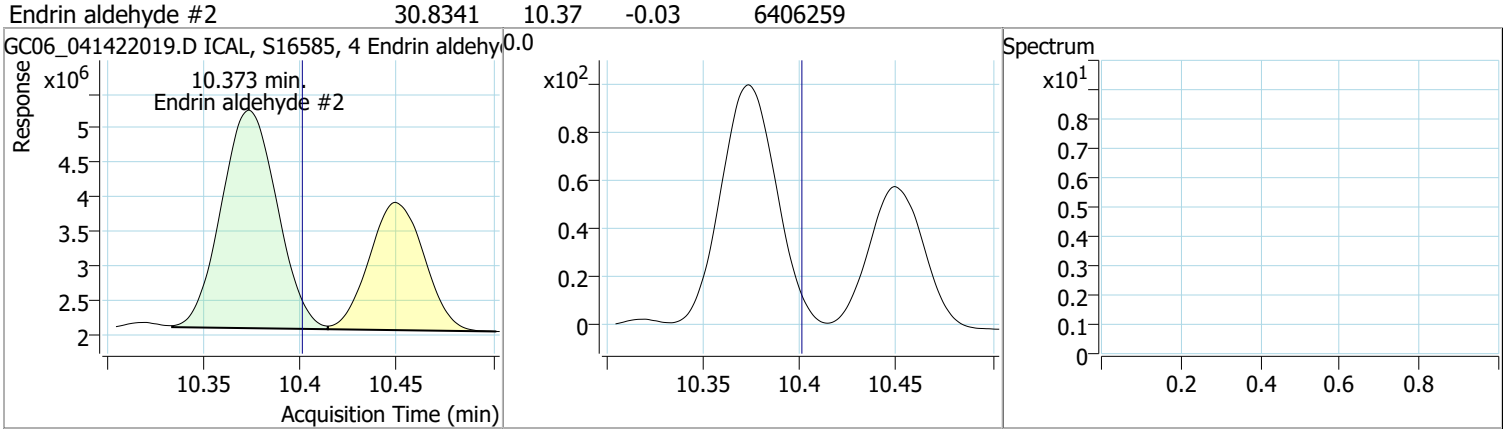
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	43.8682	10.24	0.00	14395011			



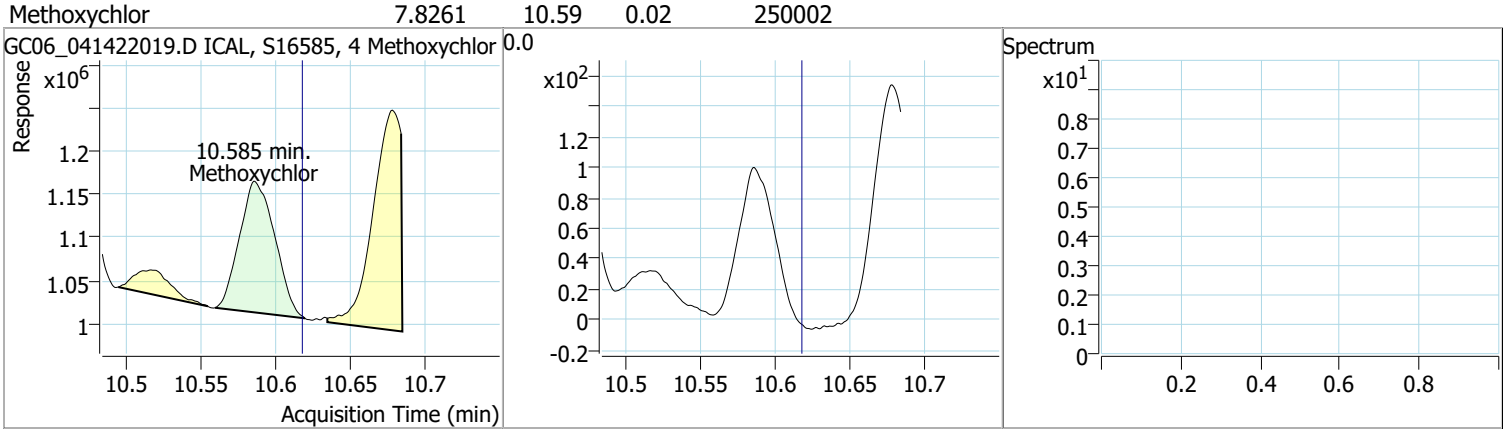
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	33.7596	10.33	0.05	1982540			



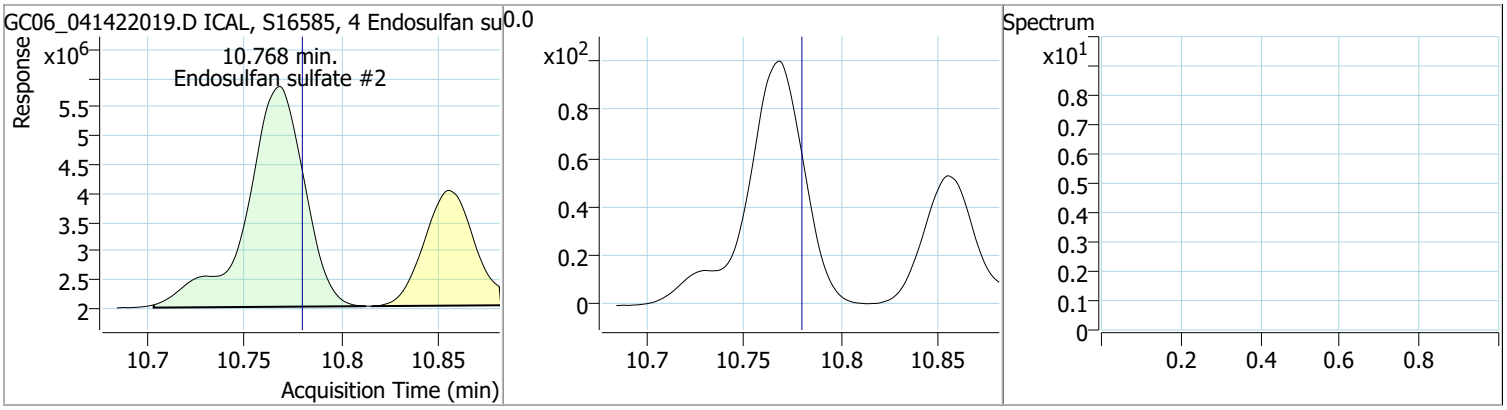
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	30.8341	10.37	-0.03	6406259			



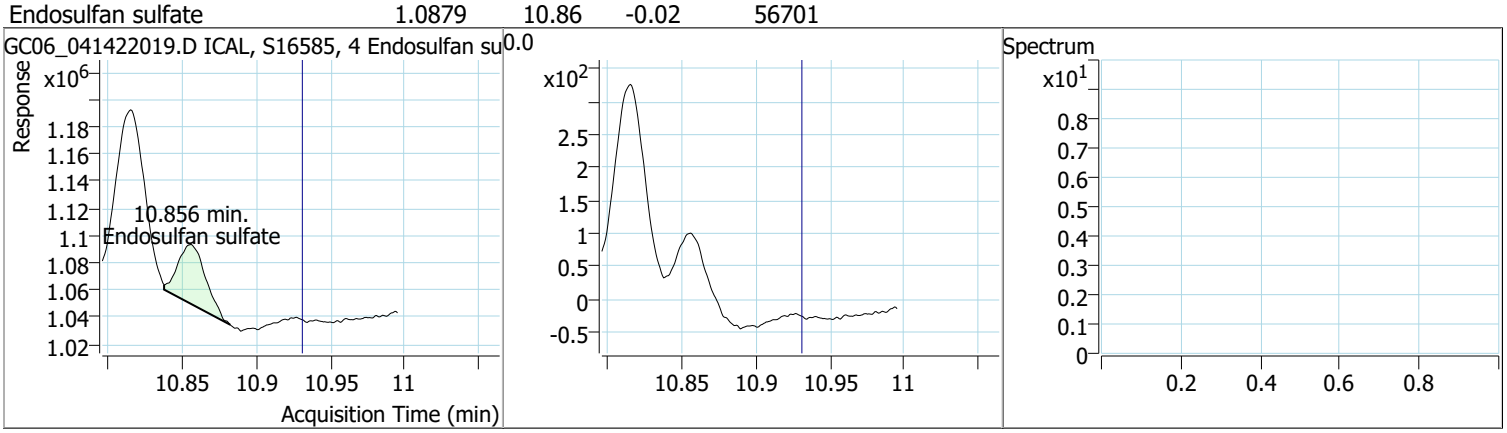
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	7.8261	10.59	0.02	250002			



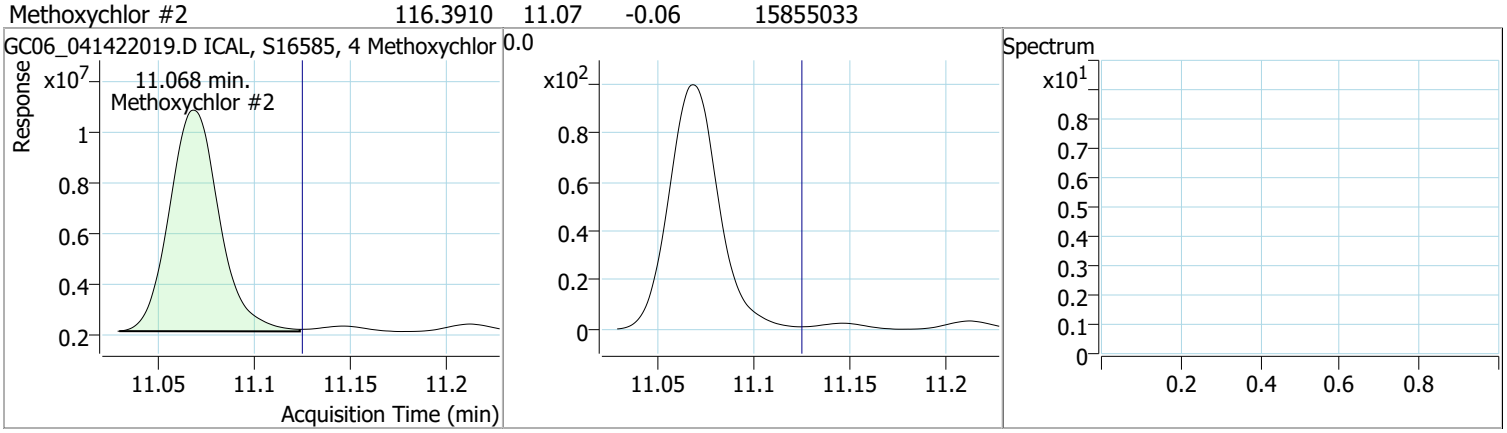
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	33.2100	10.77	-0.02	8033382			



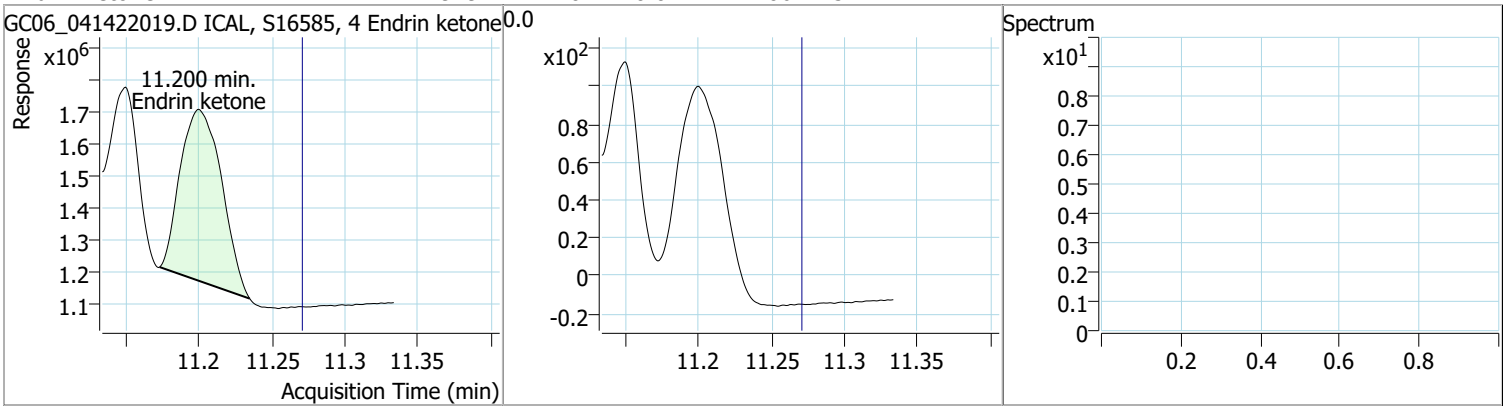
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	1.0879	10.86	-0.02	56701			



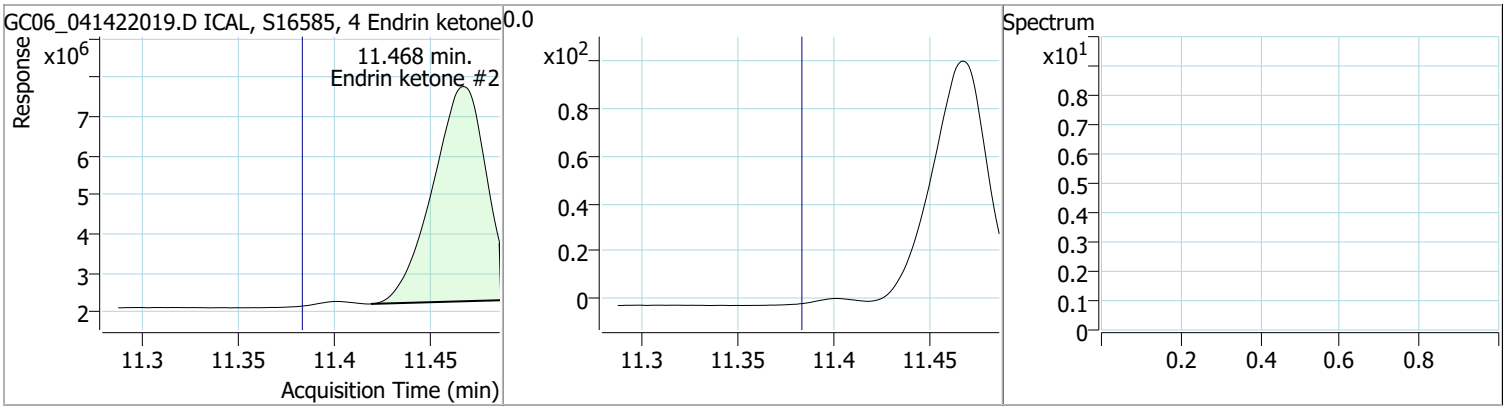
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	116.3910	11.07	-0.06	15855033			



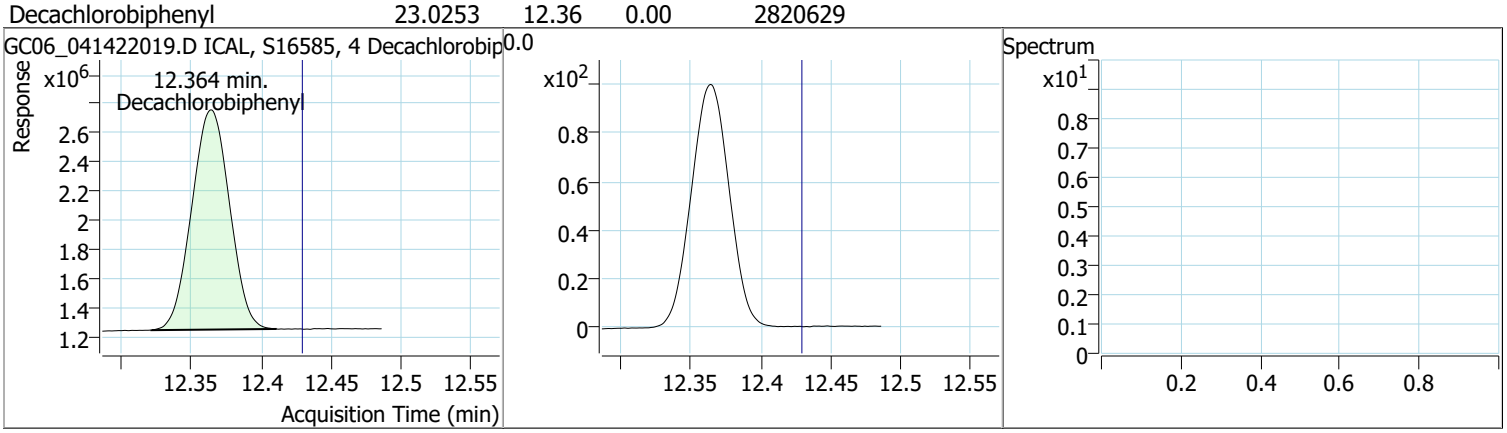
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	14.4919	11.20	-0.01	1061145			



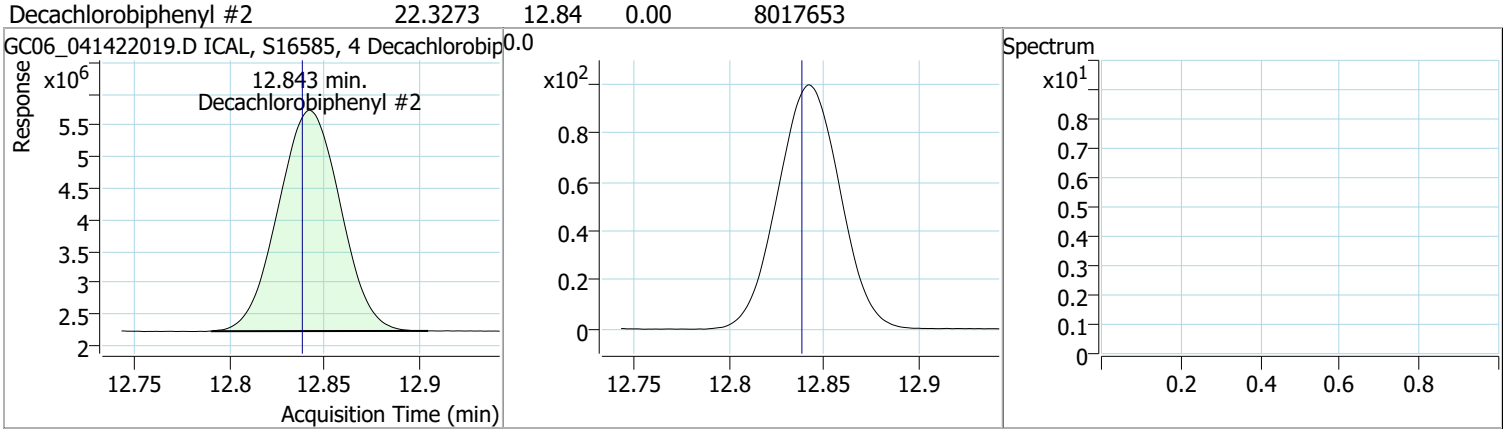
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	33.4941	11.47	0.08	10465973			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	23.0253	12.36	0.00	2820629			

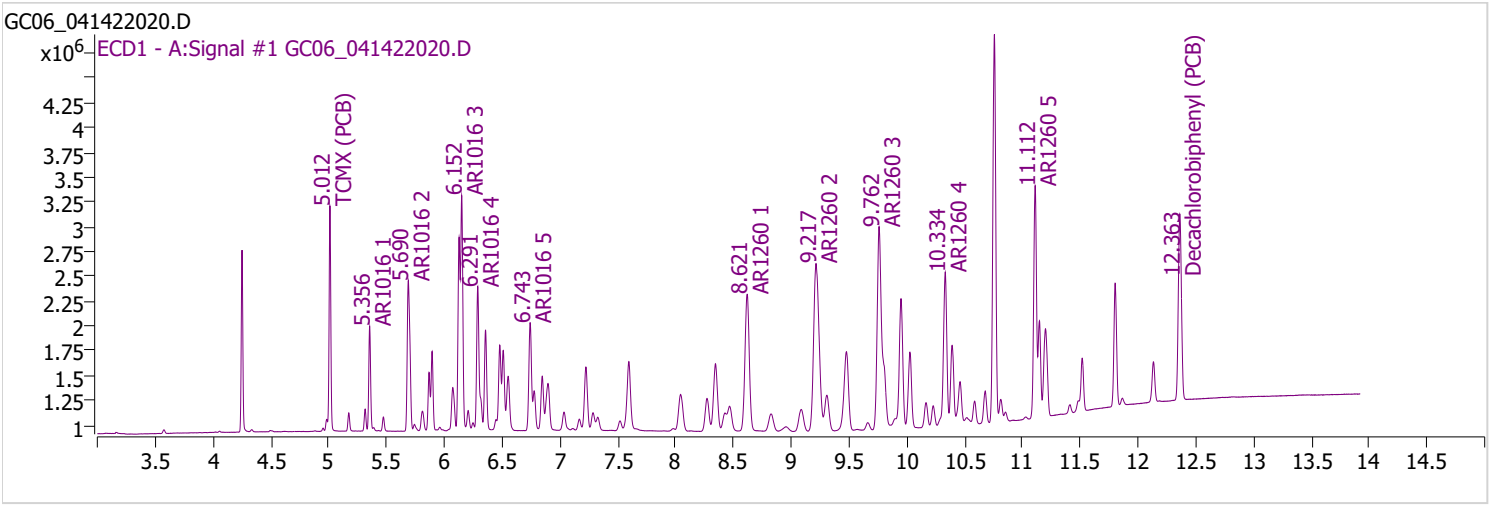


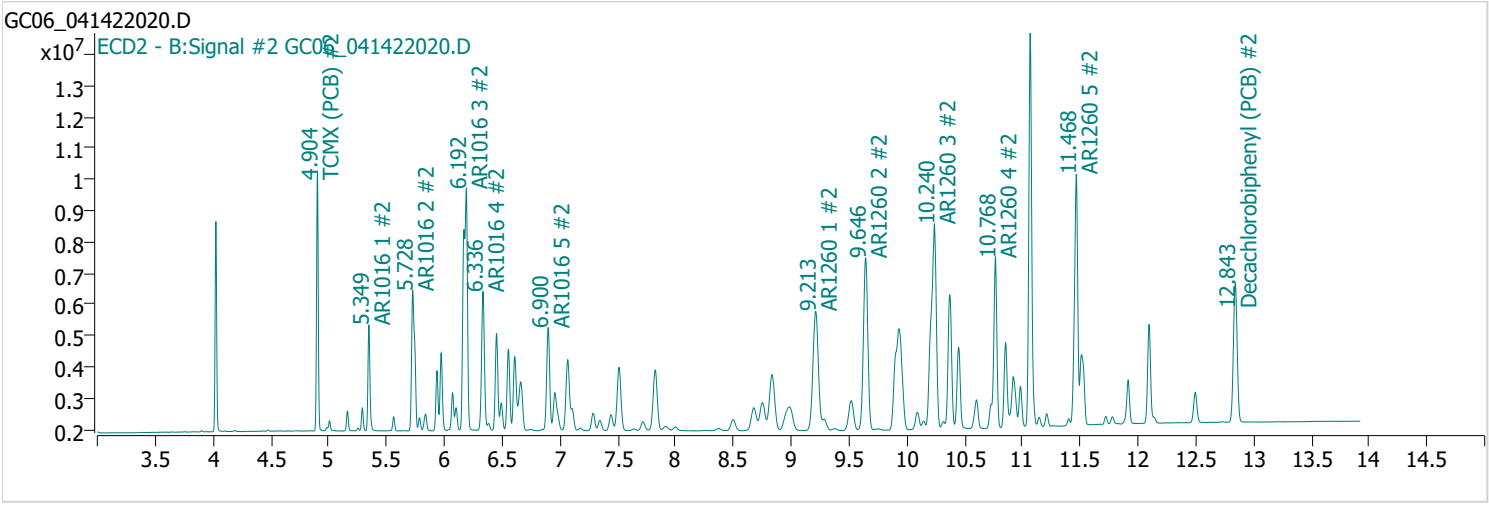
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	22.3273	12.84	0.00	8017653			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422020.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 8:09:10 PM
Sample Name	ICAL, S16585, 2.667	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 116	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



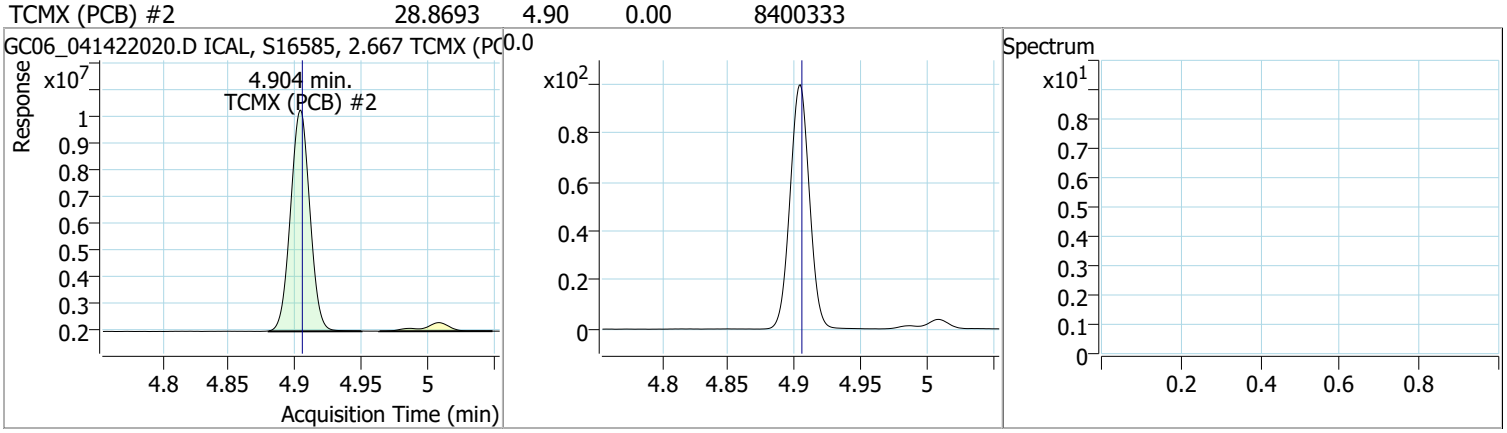


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.252	4.026	1763666	6352752	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.012	4.904	2330516	8400333	27.472	28.869	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	137.36%	144.35%	
S Decachlorobiphenyl (PCB)	12.363	12.843	3562364	10139248	26.565	26.450	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	132.83%	132.25%	
Target Compounds							
T AR1016 1	5.356	5.349	1182989	4107171	685.721	690.379	ng/ml
T AR1016 2	5.690	5.728	2494294	8581795	664.021	695.108	ng/ml
T AR1016 3	6.152	6.192	3076509	11225999 m	695.909	689.478	ng/ml
T AR1016 4	6.291	6.336	2275238	7617947	687.738	689.645	ng/ml
T AR1016 5	6.743	6.900	1716697	6004720	670.817	695.298	ng/ml
T AR1260 1	8.621	9.213	3611803	12566233 m	650.738	653.566	ng/ml
T AR1260 2	9.217	9.646	5576918	14609281	652.363	657.589	ng/ml
T AR1260 3	9.762	10.240	5970444 m	19985948	671.815	662.146	ng/ml
T AR1260 4	10.334	10.768	2920176	10976814	660.702	672.070	ng/ml

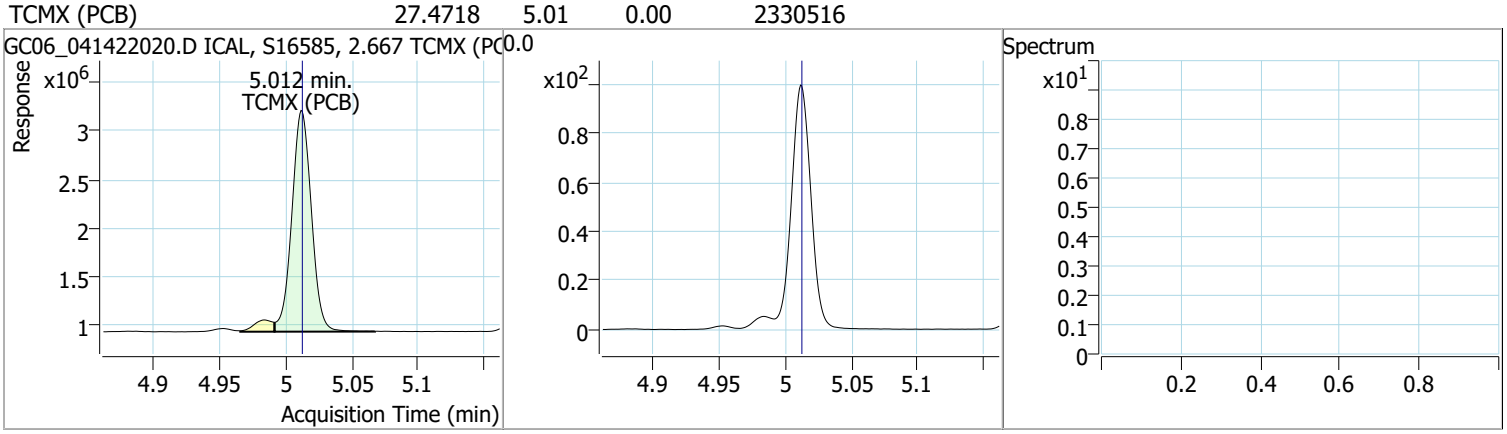
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.112	11.468	3951886	15787028	675.565	655.606	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

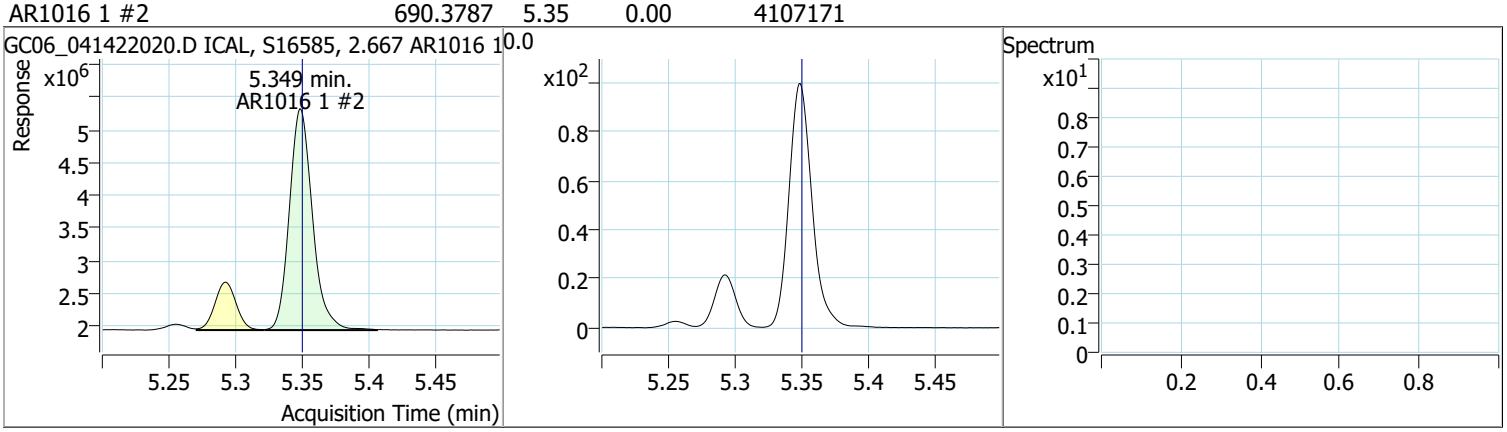
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	28.8693	4.90	0.00	8400333			



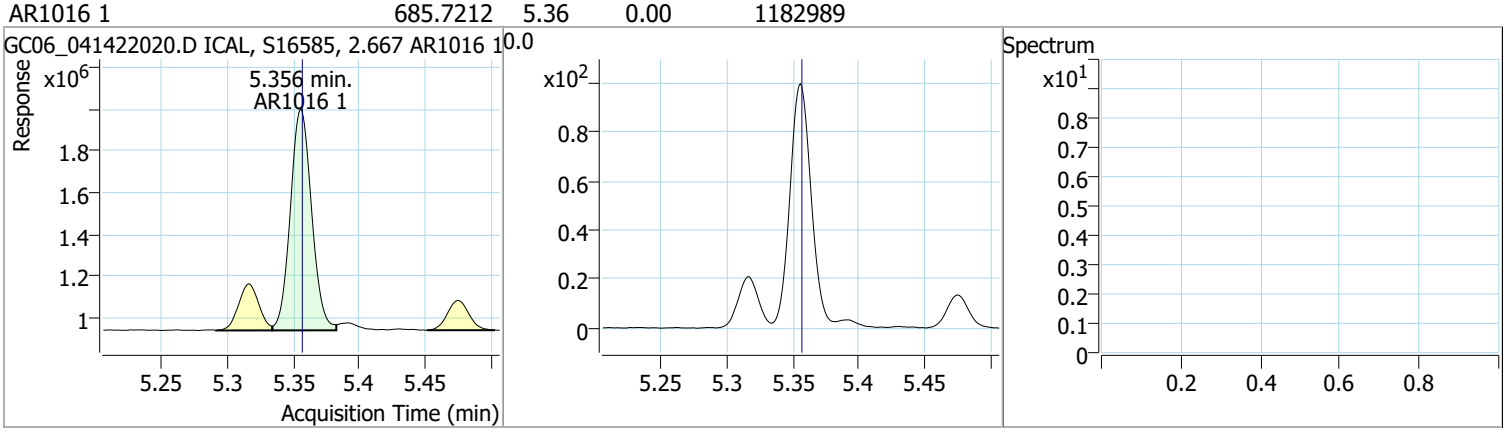
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	27.4718	5.01	0.00	2330516			



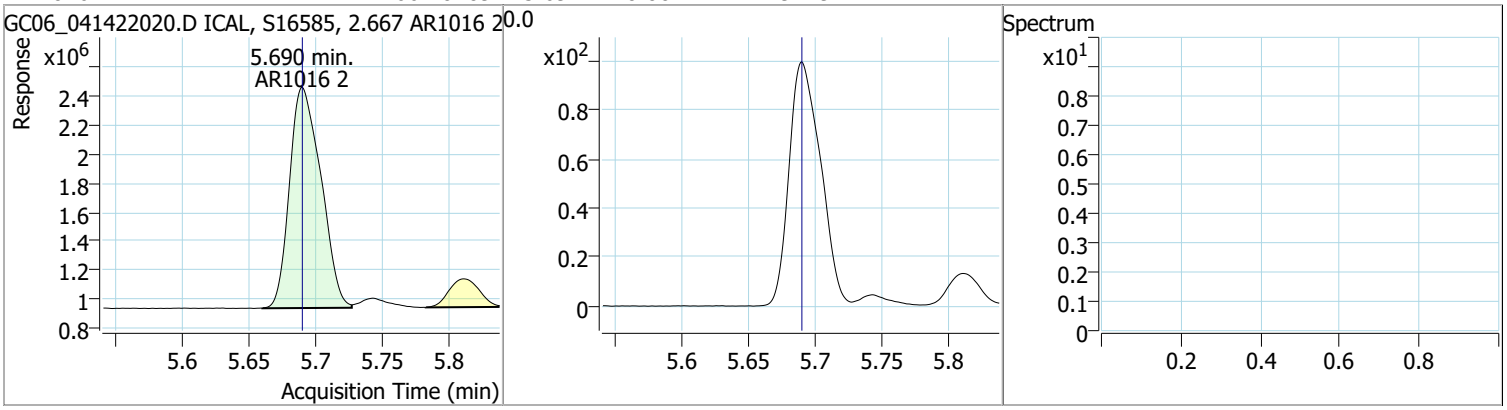
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	690.3787	5.35	0.00	4107171			



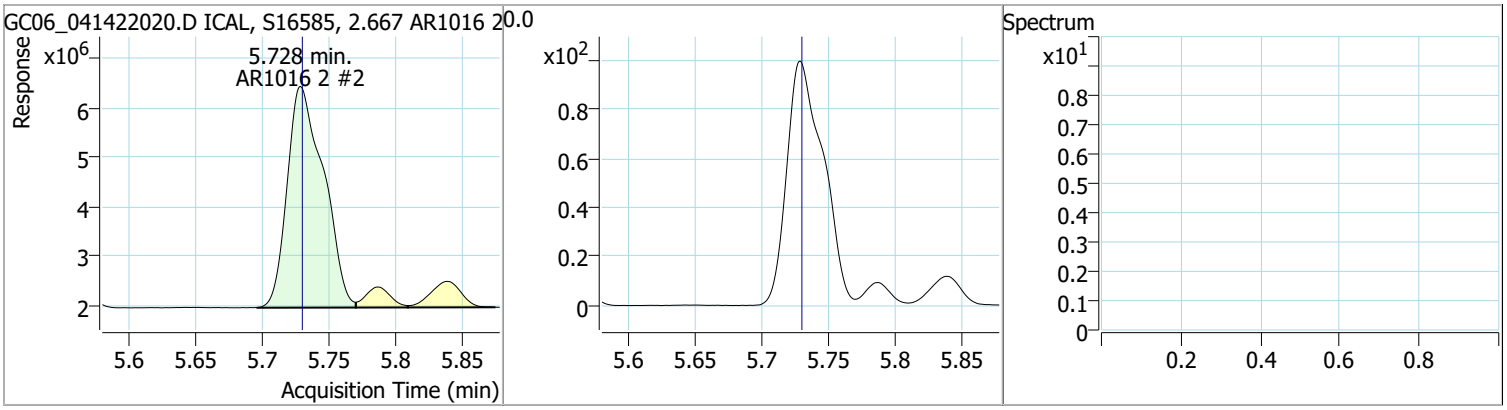
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	685.7212	5.36	0.00	1182989			



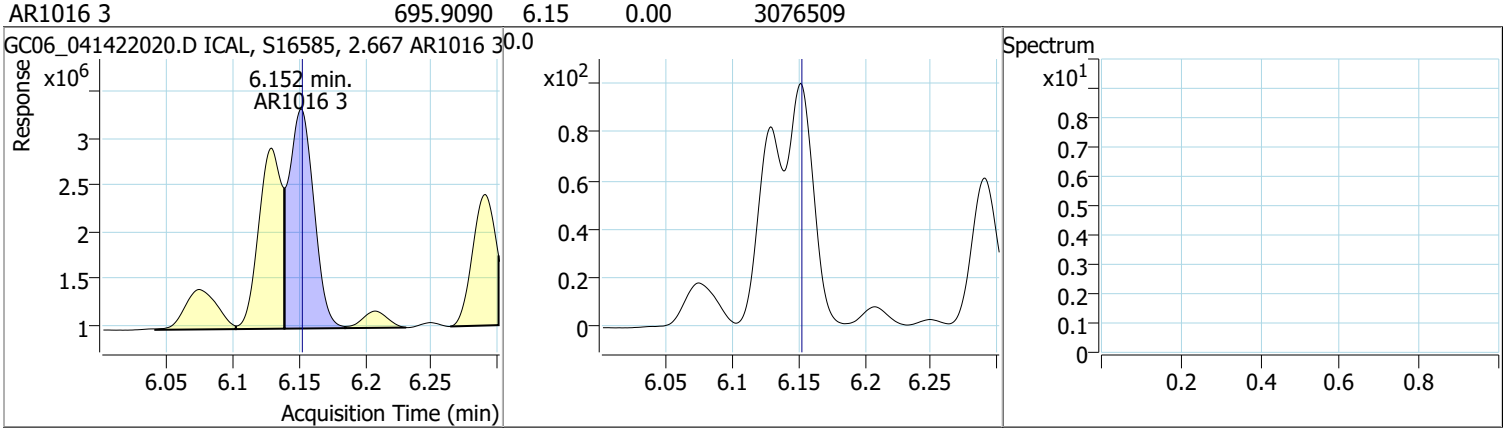
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	664.0209	5.69	0.00	2494294			



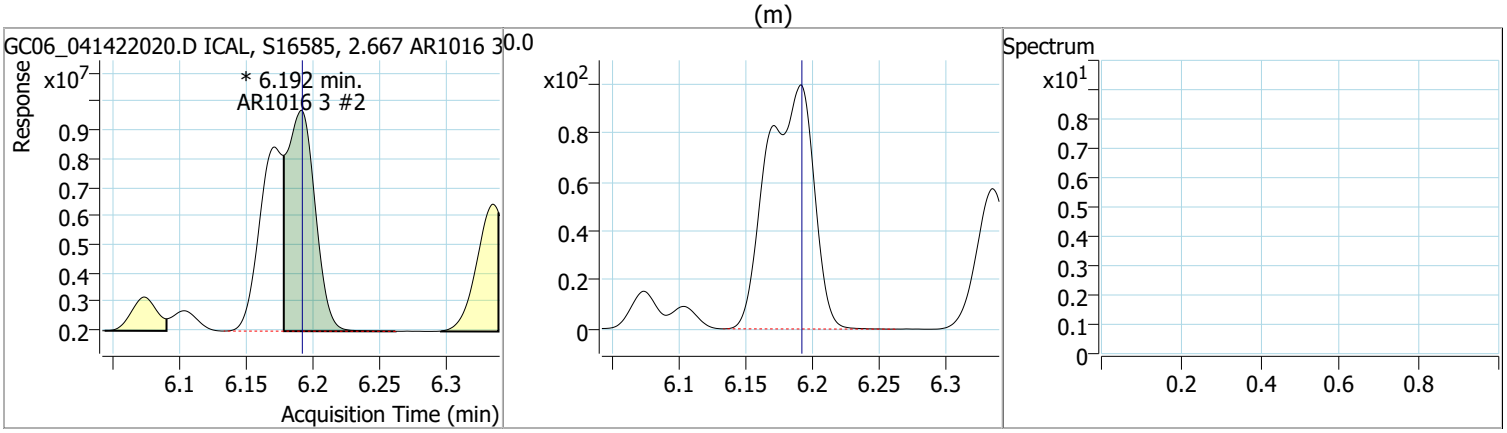
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	695.1082	5.73	0.00	8581795			



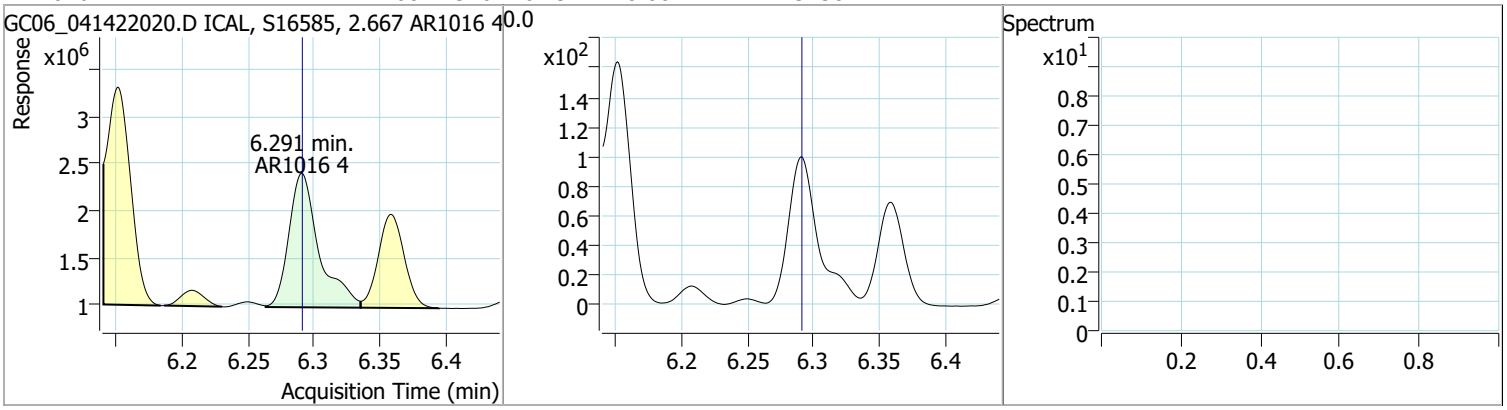
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	695.9090	6.15	0.00	3076509			



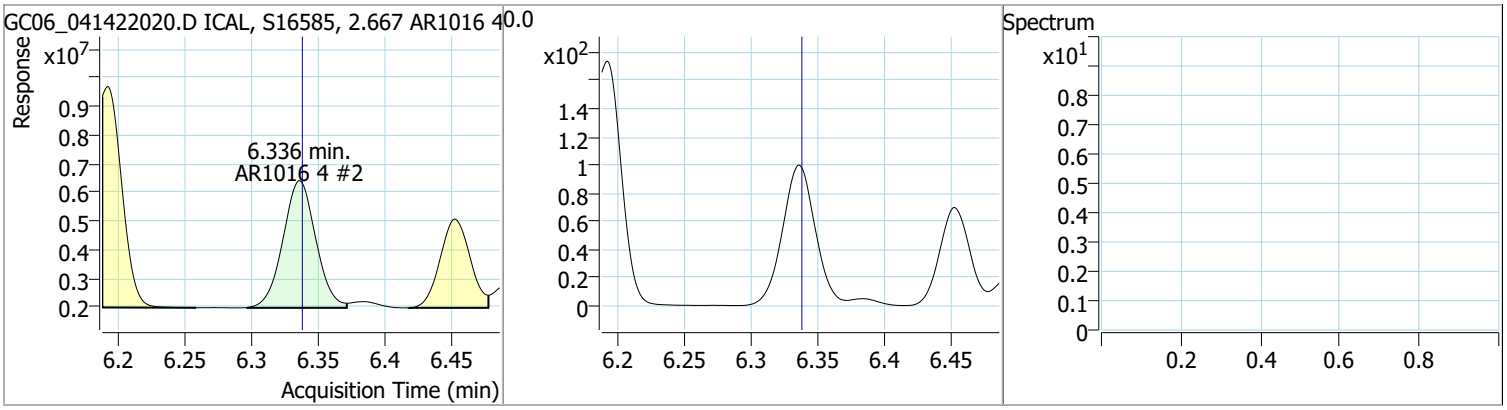
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	689.4777	6.19	0.00	11225999 (m)			



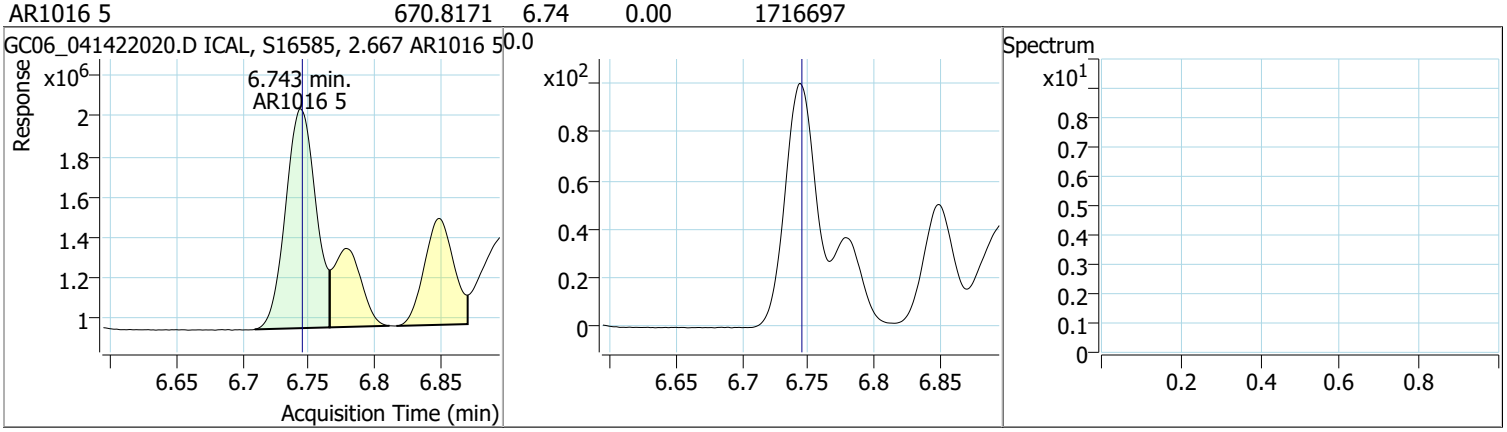
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	687.7376	6.29	0.00	2275238			



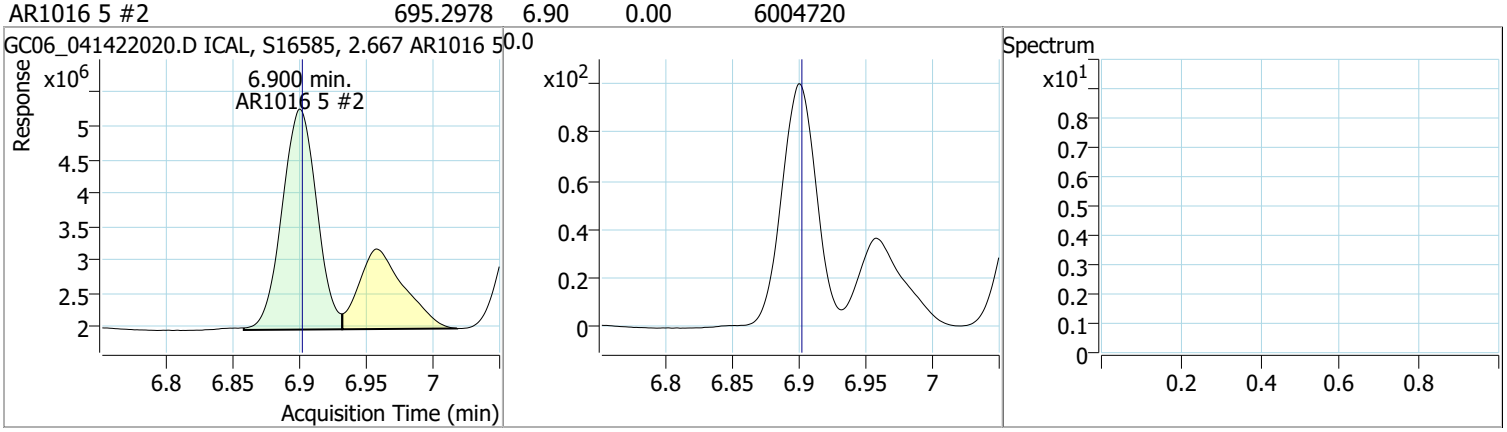
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	689.6447	6.34	0.00	7617947			



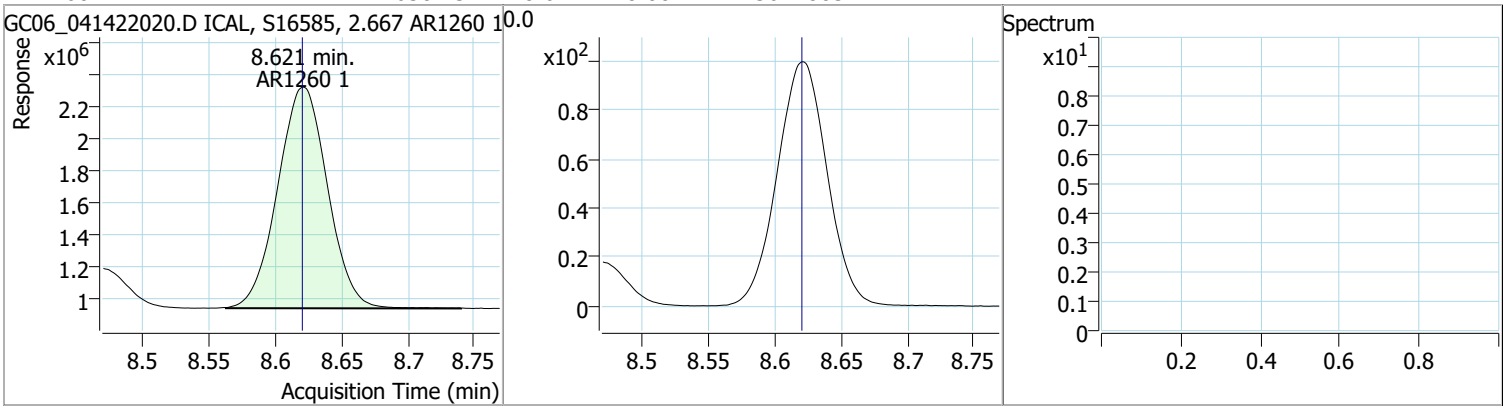
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	670.8171	6.74	0.00	1716697			



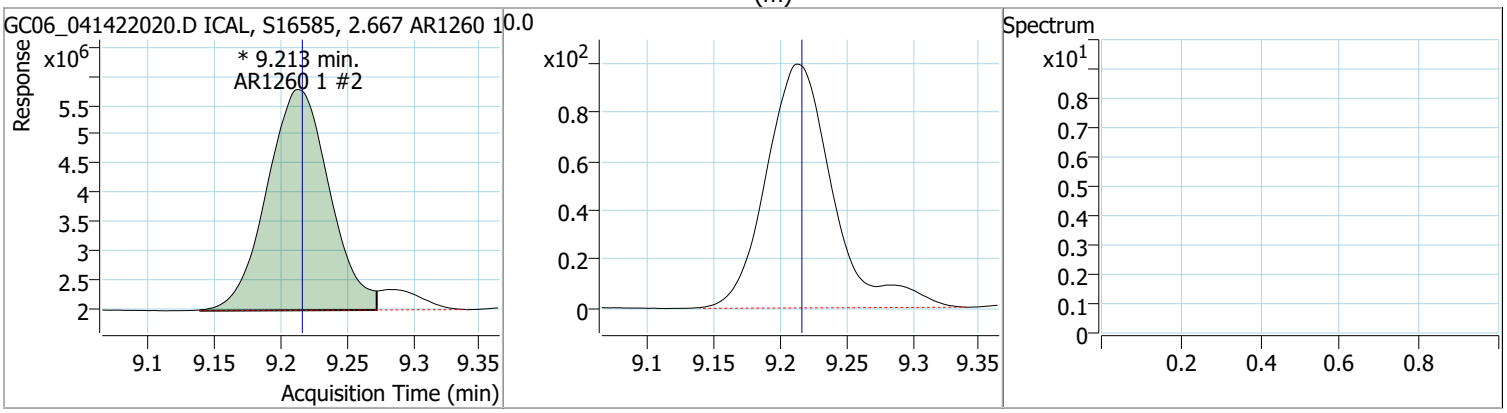
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	695.2978	6.90	0.00	6004720			



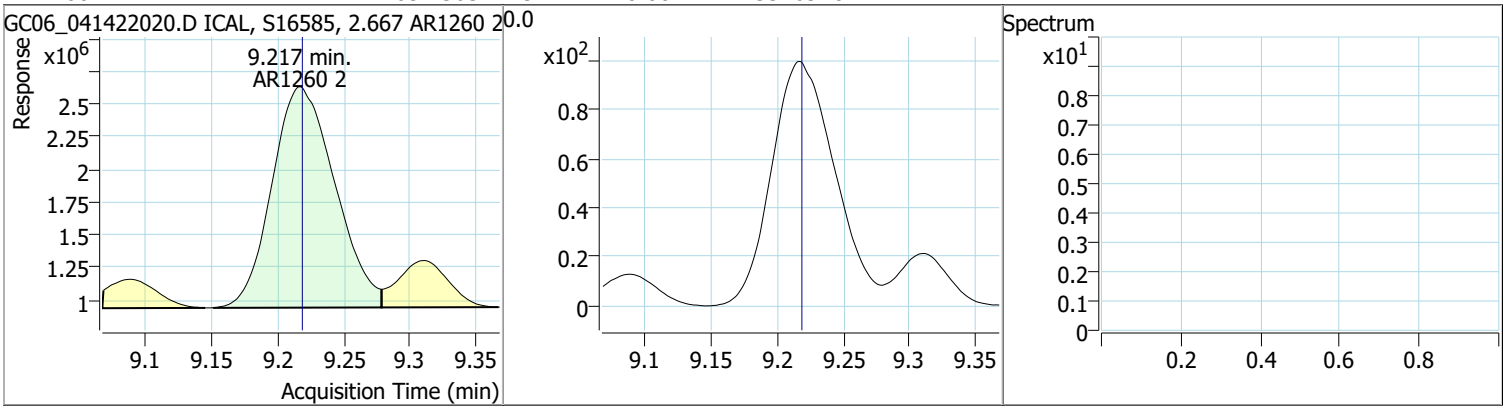
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	650.7377	8.62	0.00	3611803			



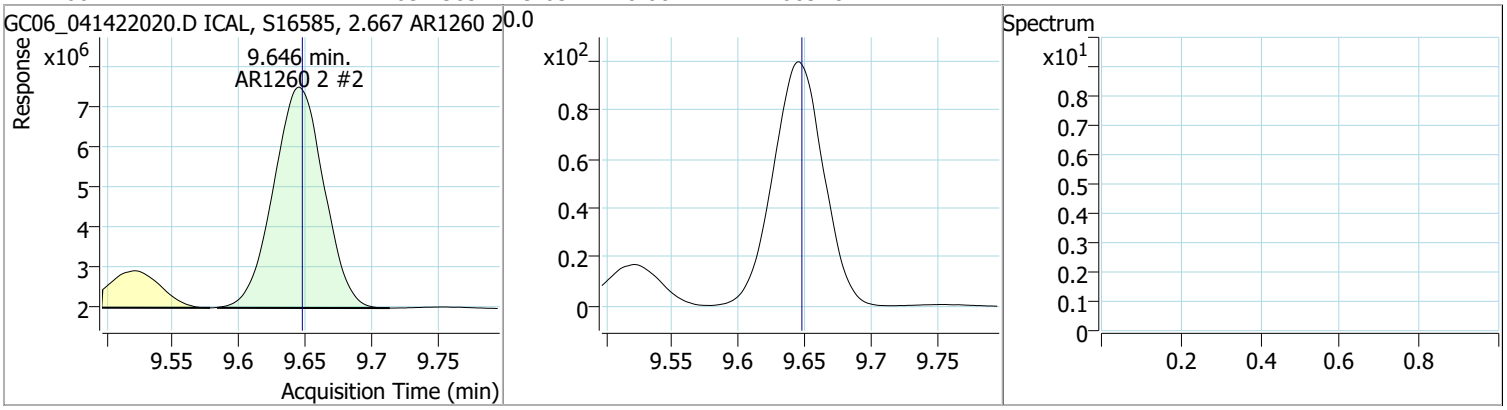
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	653.5660	9.21	0.00	12566233 (m)			



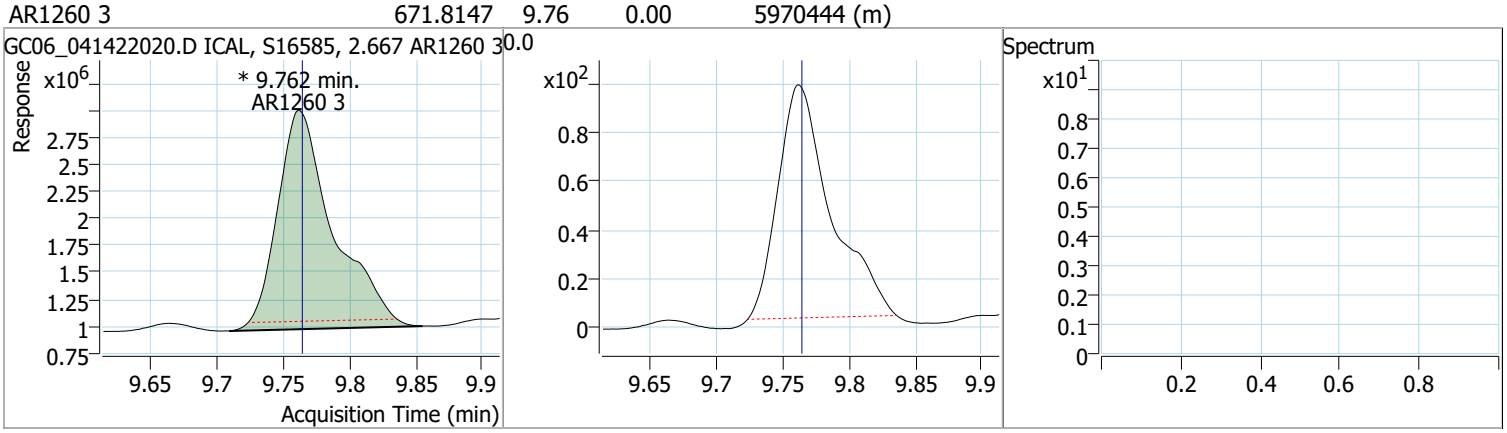
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	652.3634	9.22	0.00	5576918			



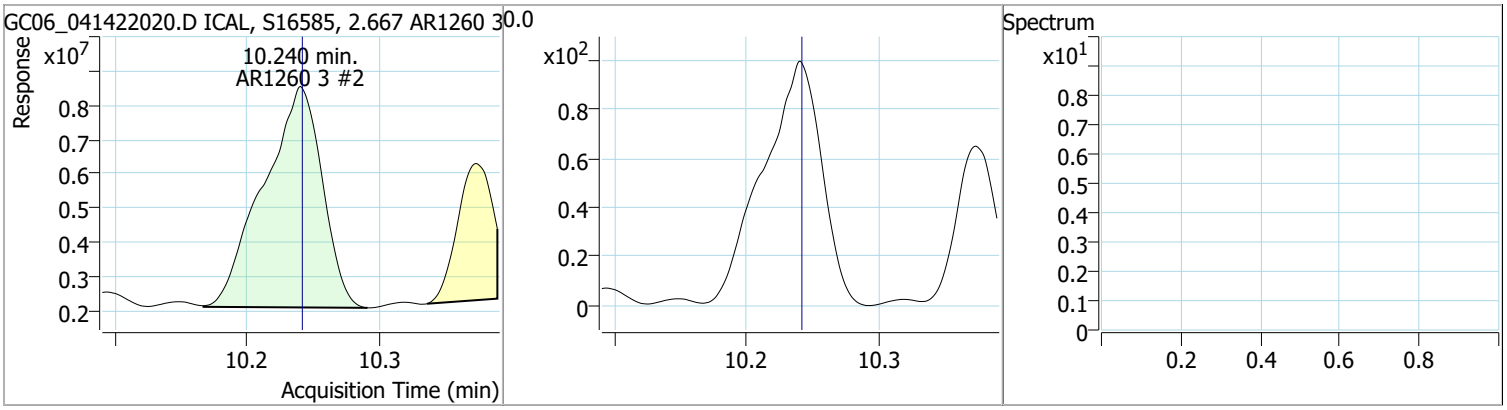
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	657.5894	9.65	0.00	14609281			



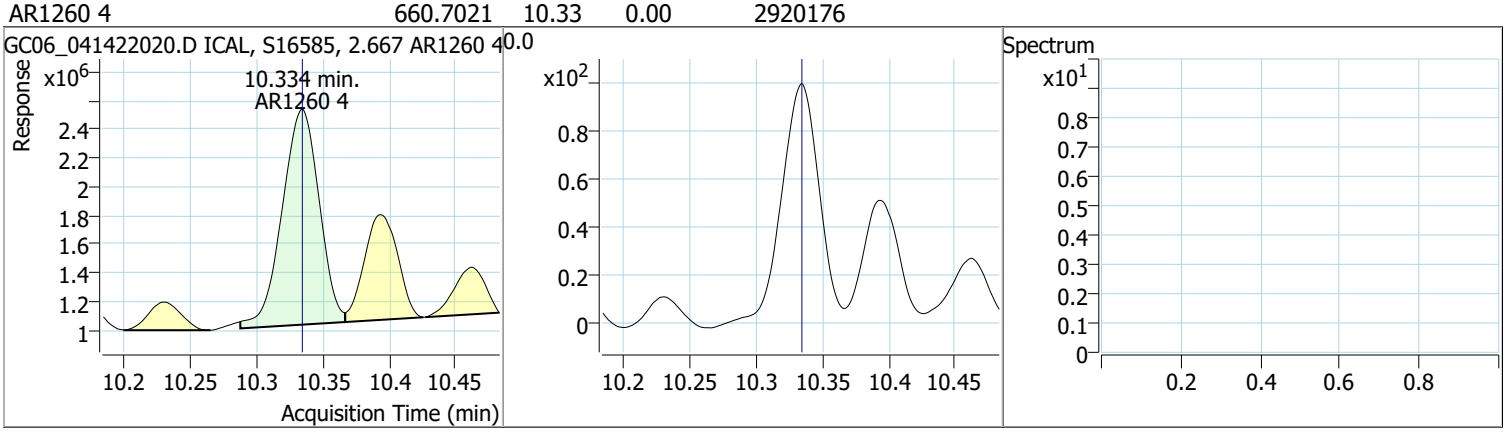
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	671.8147	9.76	0.00	5970444 (m)			



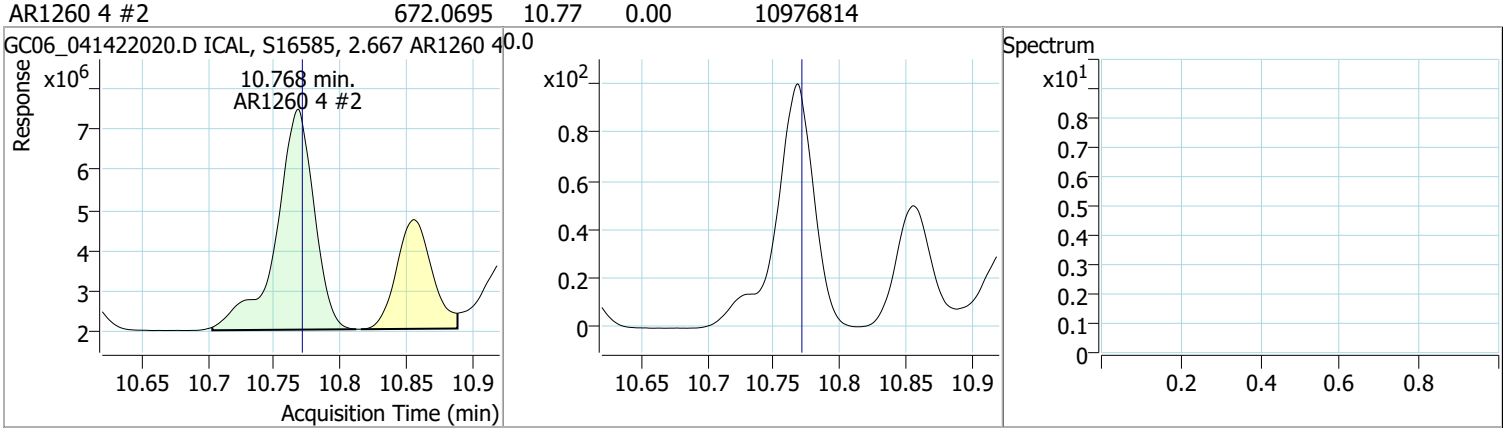
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	662.1464	10.24	0.00	19985948			



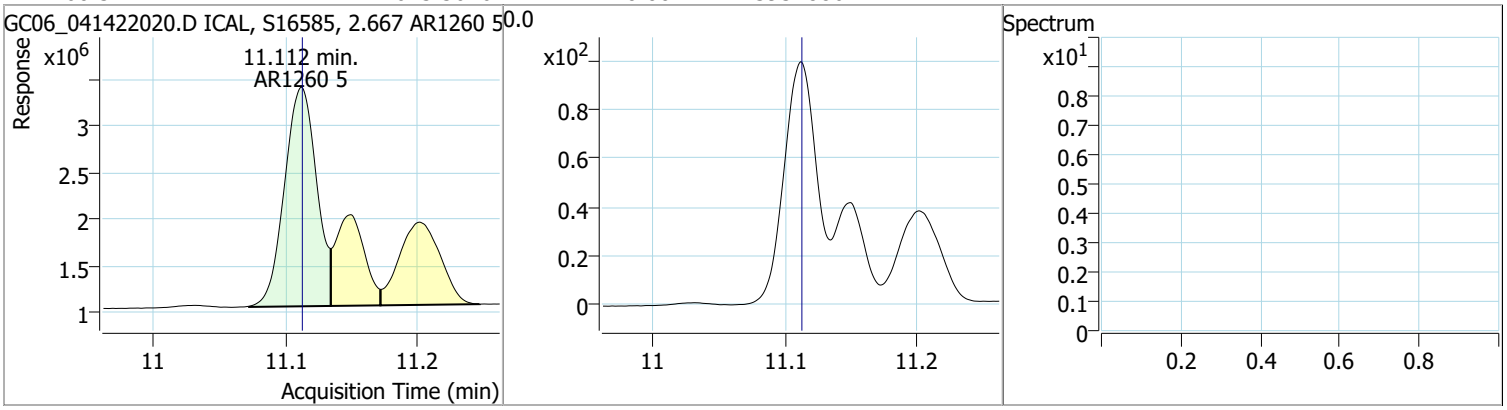
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	660.7021	10.33	0.00	2920176			



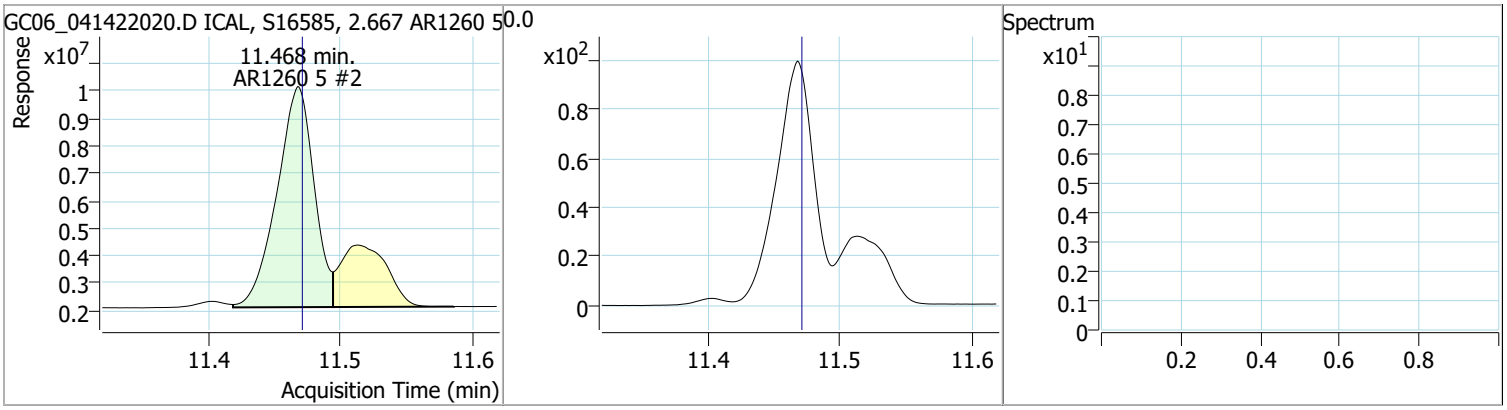
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	672.0695	10.77	0.00	10976814			



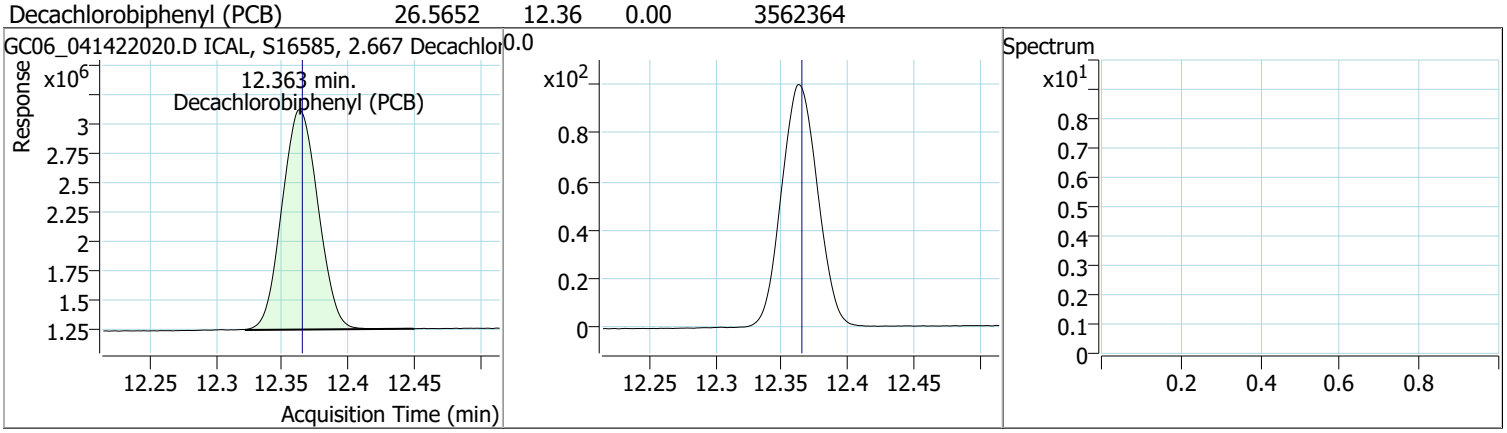
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	675.5646	11.11	0.00	3951886			



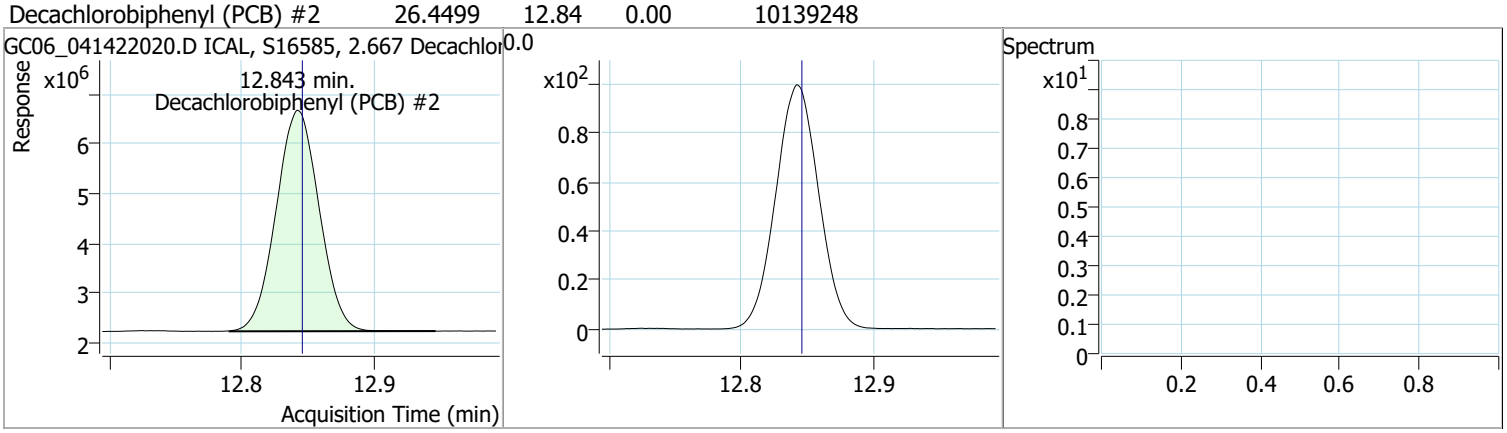
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	655.6056	11.47	0.00	15787028			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	26.5652	12.36	0.00	3562364			

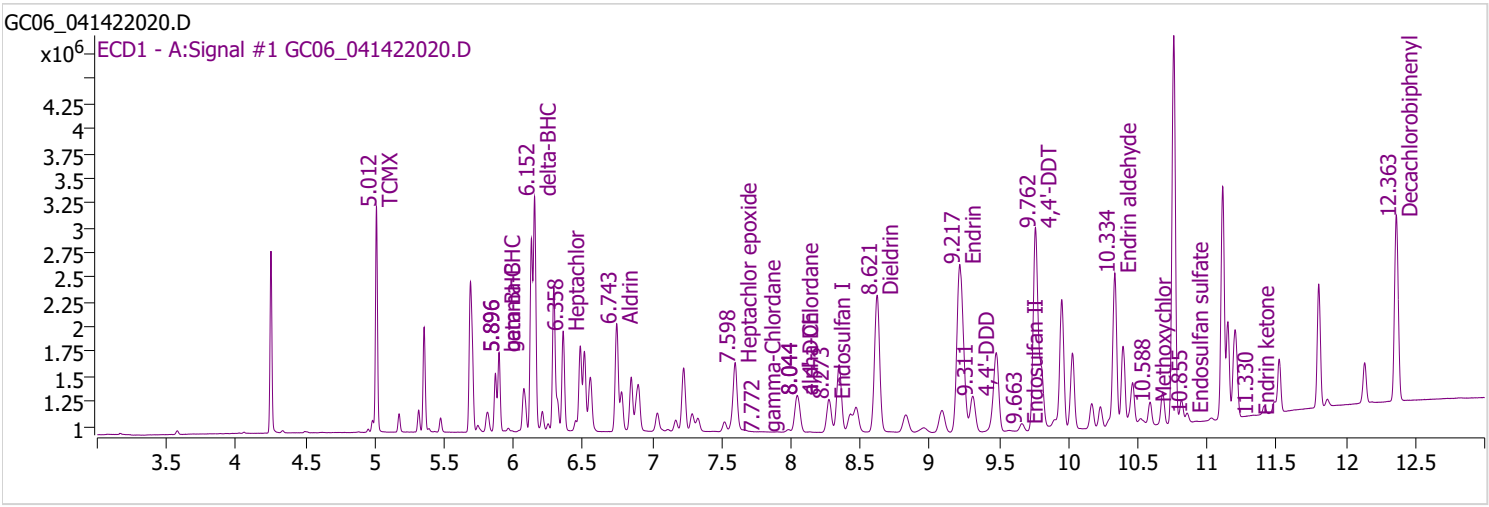


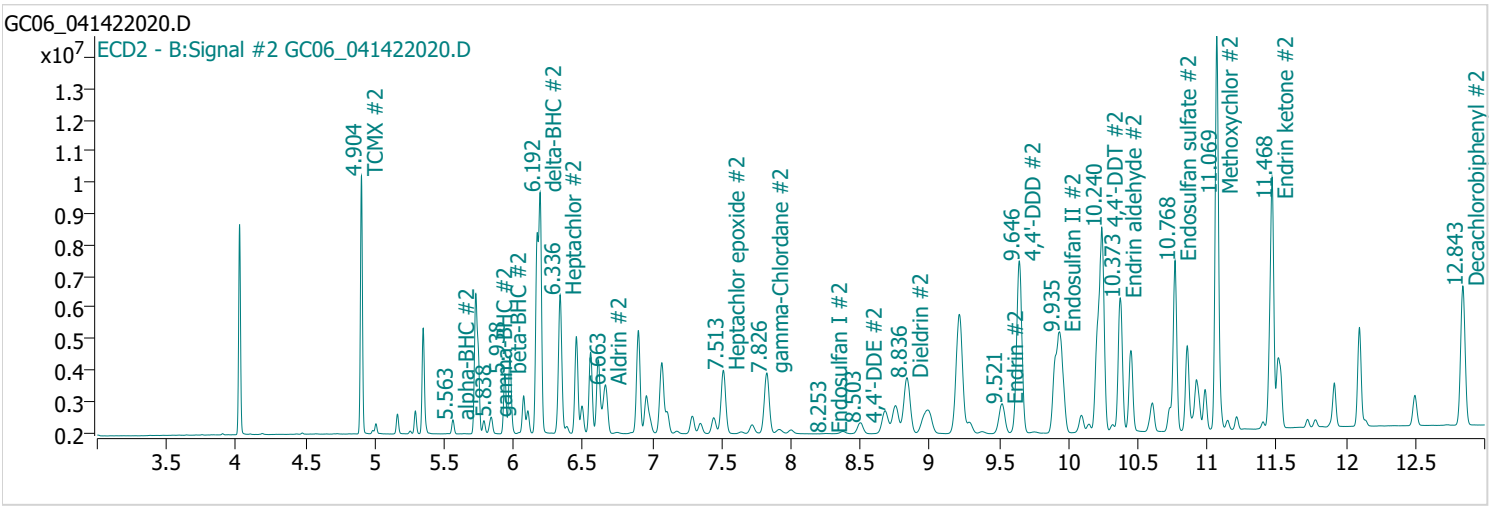
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	26.4499	12.84	0.00	10139248			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422020.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 8:09:10 PM
Sample Name	ICAL, S16585, 2.667	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 116	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 8:23:27 PM



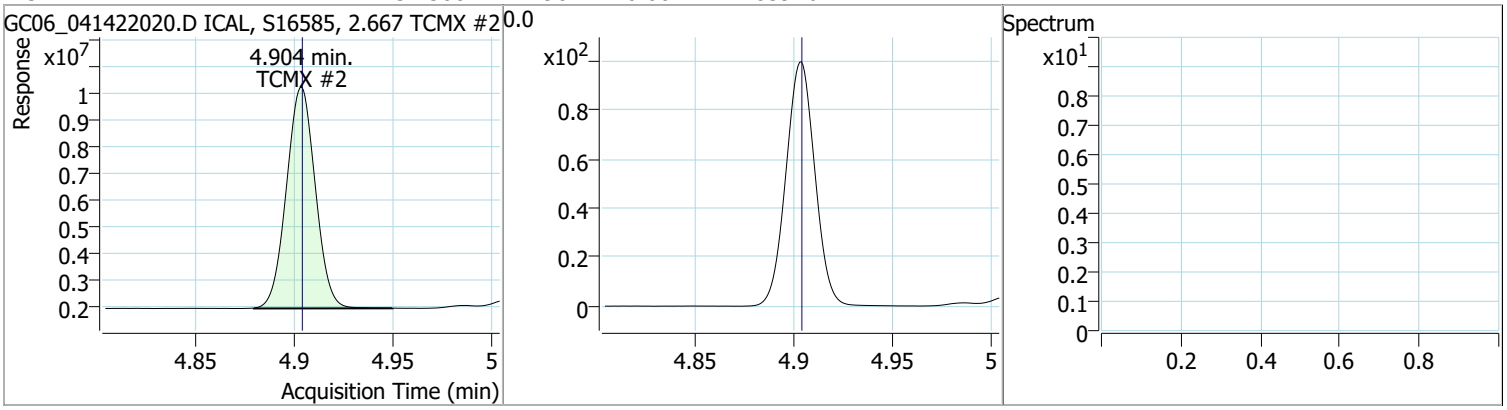


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.252	4.026	1755139	6346018	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.012	4.904	2333042	8394614	29.835	31.508	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	149.17%	157.54% *	
S Decachlorobiphenyl	12.363	12.843	3553731	10117201	29.847	28.820	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	149.24%	144.10%	
Target Compounds							
T alpha-BHC	----	5.563 f	0	503087	N.D.	2.224 #	ng/ml
T gamma-BHC	5.896	5.838	935894	773059	13.256	3.361 #	ng/ml
T beta-BHC	5.896	5.938	925269	2485893	25.132	17.990 #	ng/ml
T delta-BHC	6.152	6.192	3026787	19000584	30.597	39.301 #	ng/ml
T Heptachlor	6.358	6.336	1226394	7617947	16.400	23.464 #	ng/ml
T Aldrin	6.743	6.663 f	1717976	3438770	21.221	14.068 #	ng/ml
T Heptachlor epoxide	7.598	7.513	1462618	4285912	18.875	16.348	ng/ml
T gamma-Chlordane	7.772	7.826	3035	4735328	0.053	16.618 #	ng/ml
T alpha-Chlordane	8.044	----	588280	0	9.534	N.D. #	ng/ml

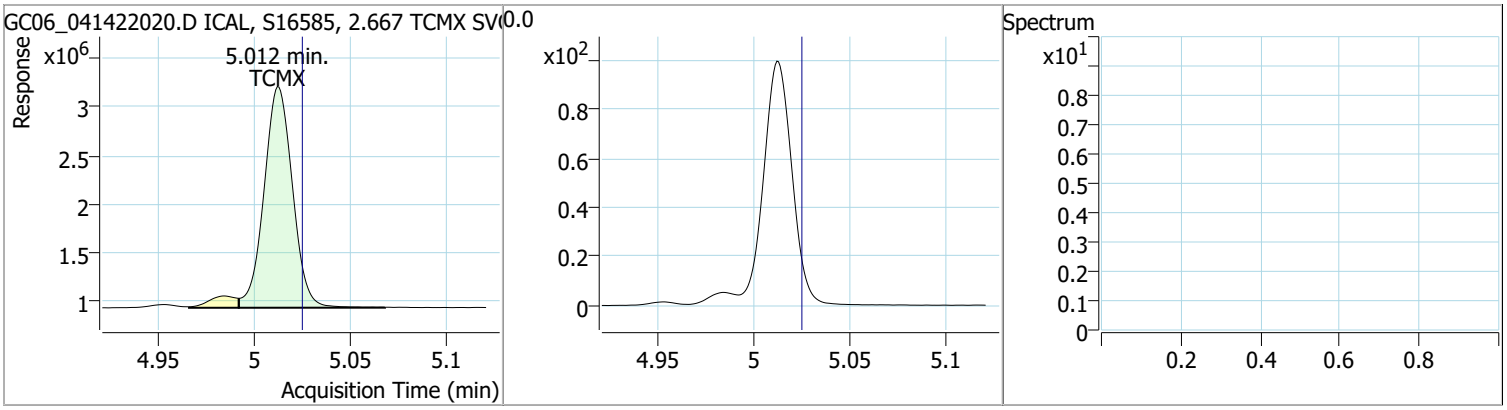
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.273	8.253	752549	18720	12.818	0.099 #	ng/ml
T 4,4'-DDE	8.044	8.503 f	918708	914575	15.267	4.975 #	ng/ml
T Dieldrin	8.621	8.836	3602536	4987733	43.953	22.196 #	ng/ml
T Endrin	9.217	9.521	5149660	2892006	58.571	14.675 #	ng/ml
T 4,4'-DDD	9.311	9.646 f	555403	13255716	12.678	63.908 #	ng/ml
T Endosulfan II	9.663	9.935 f	154699	13733433	2.793	48.777 #	ng/ml
T 4,4'-DDT	9.762	10.240	5781197	19867154	83.139	61.744 #	ng/ml
T Endrin aldehyde	10.334	10.373	2722503	8532275	47.858	42.483	ng/ml
T Endosulfan sulfate	10.855	10.768	76622	10983606	1.570	46.822 #	ng/ml
T Methoxychlor	10.588	11.069 f	361008	21812588	12.128	166.762 #	ng/ml
T Endrin ketone	11.330	11.468 f	397876	14584668	5.784	48.408 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

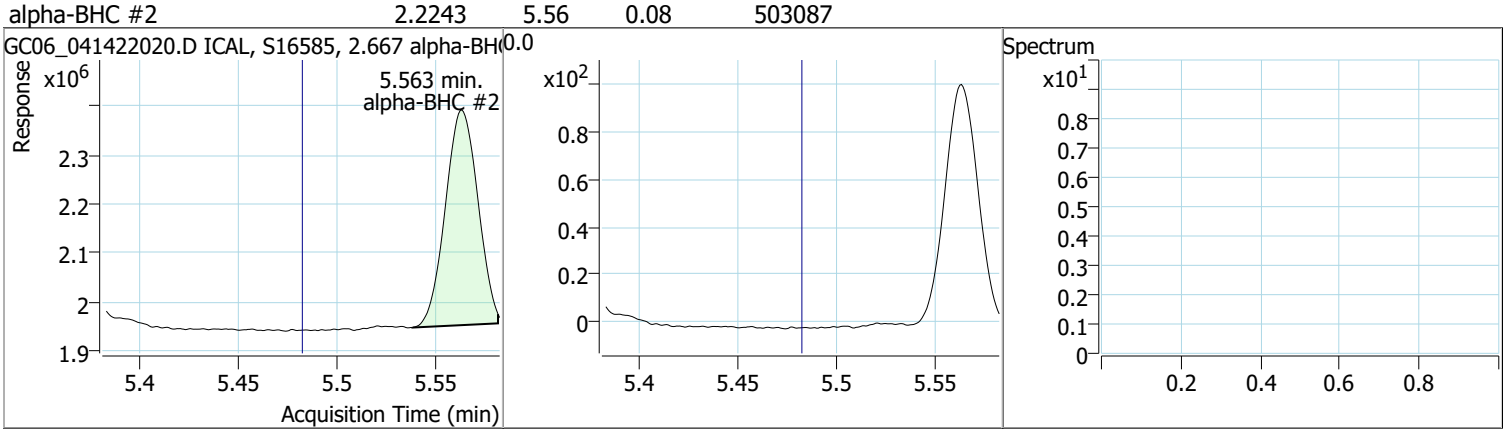
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	31.5084	4.90	0.00	8394614			



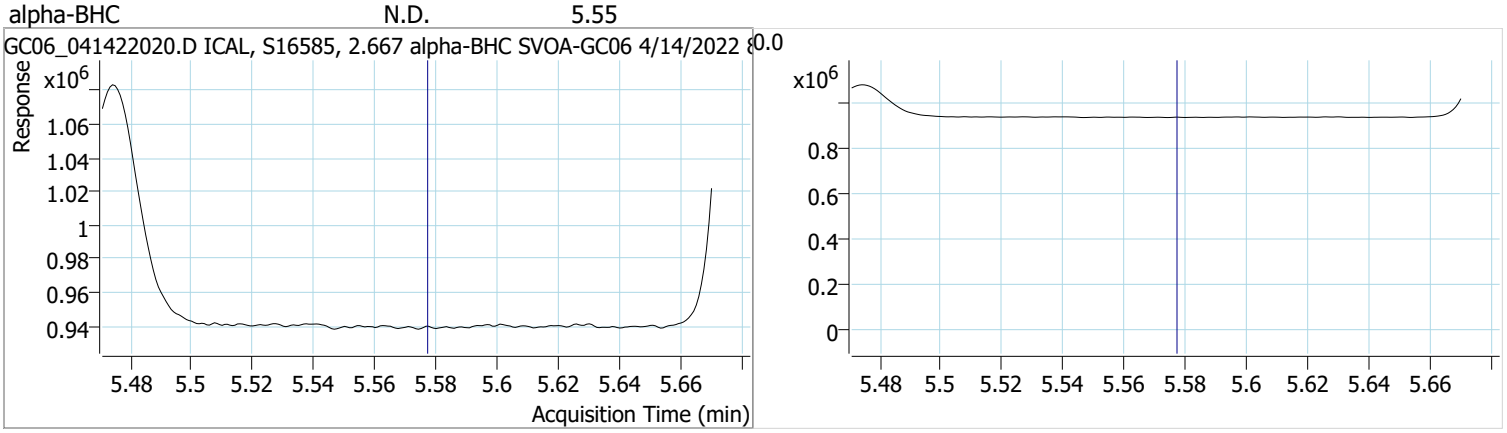
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	29.8347	5.01	0.01	2333042			



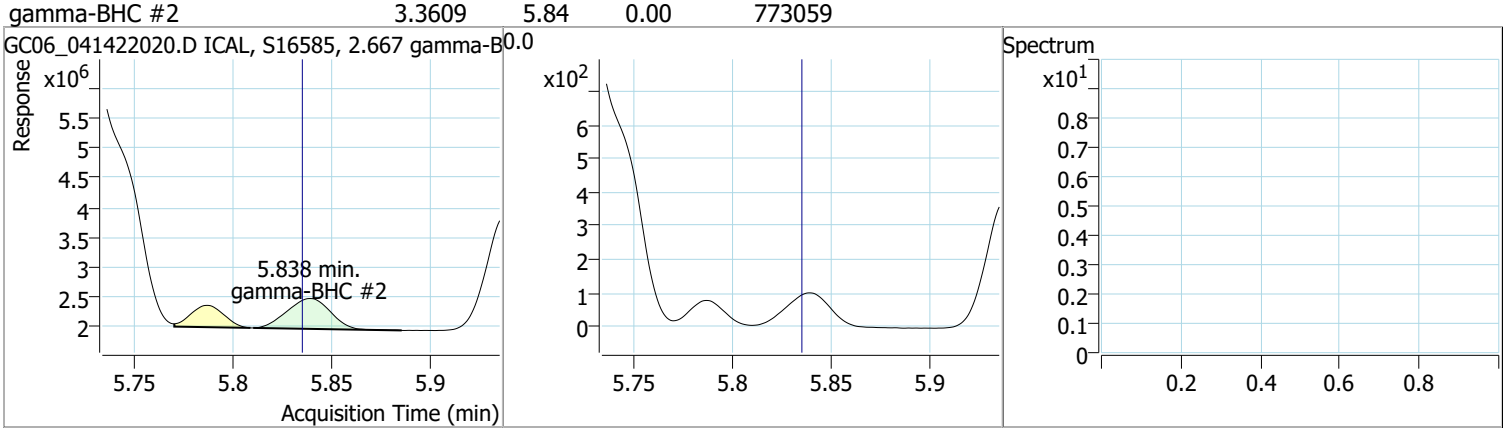
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	2.2243	5.56	0.08	503087			



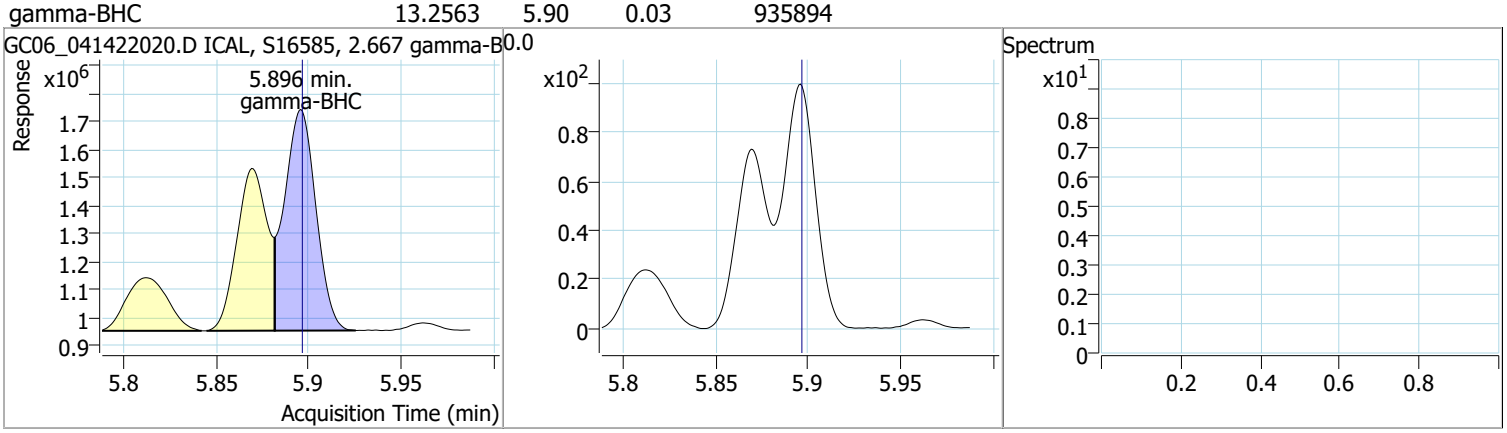
Compound	Conc.		Exp Ratio
alpha-BHC	N.D.	5.55	



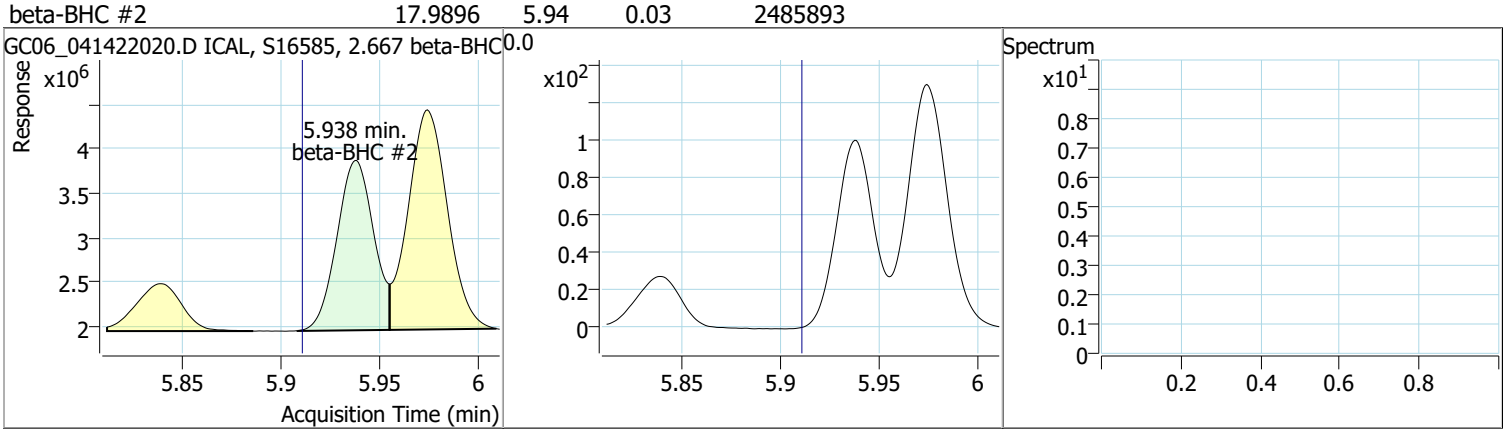
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	3.3609	5.84	0.00	773059			



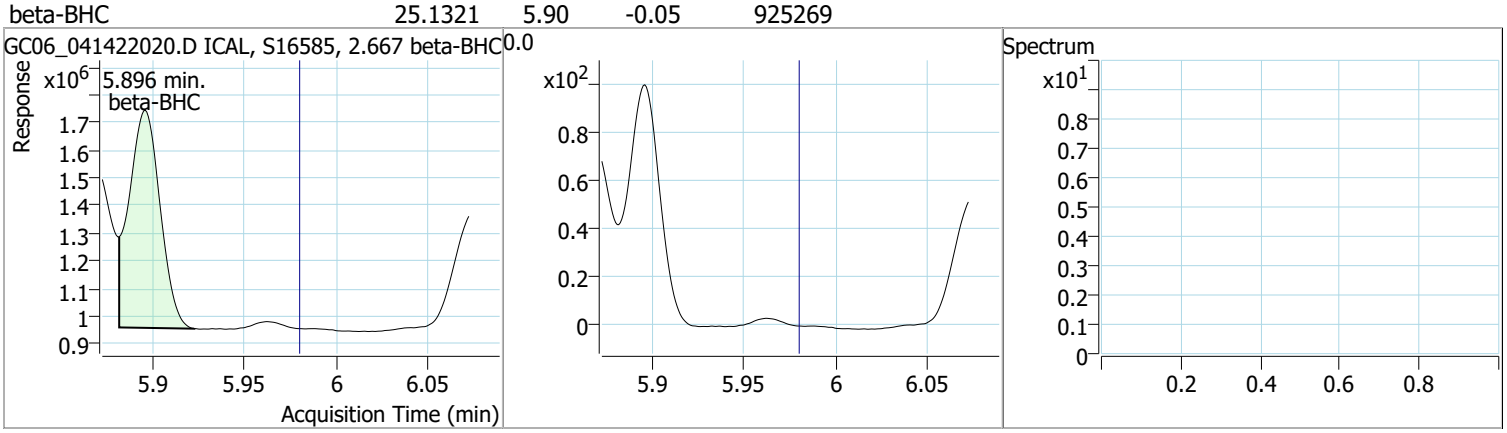
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	13.2563	5.90	0.03	935894			



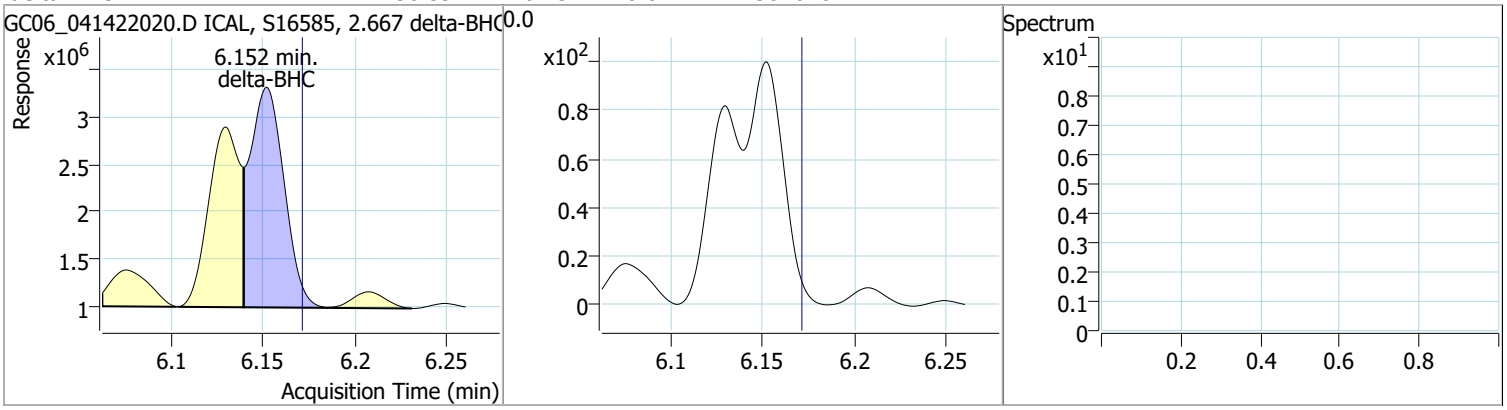
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	17.9896	5.94	0.03	2485893			



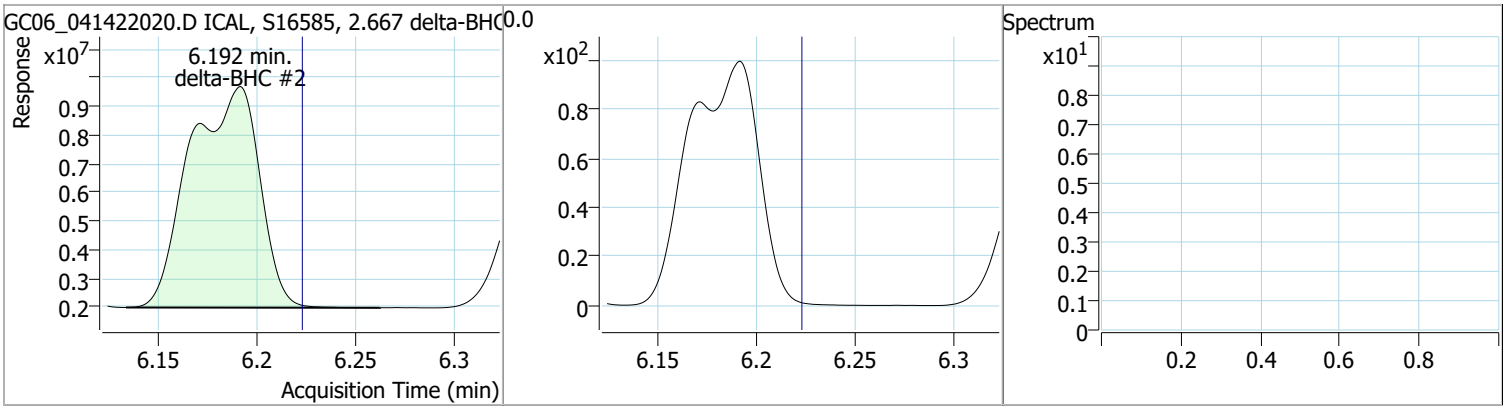
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	25.1321	5.90	-0.05	925269			



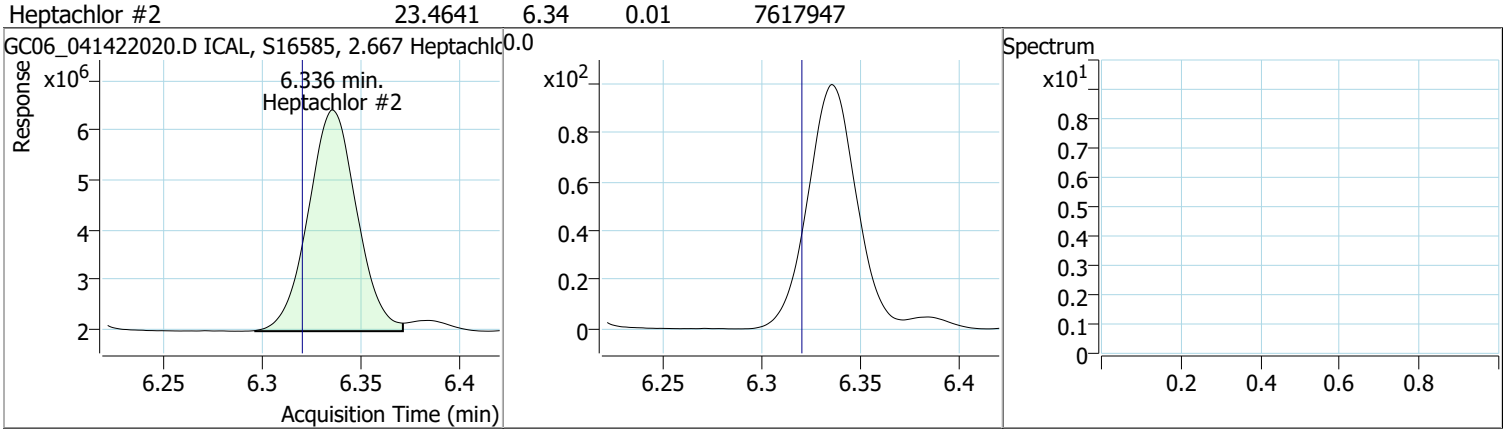
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	30.5974	6.15	0.01	3026787			



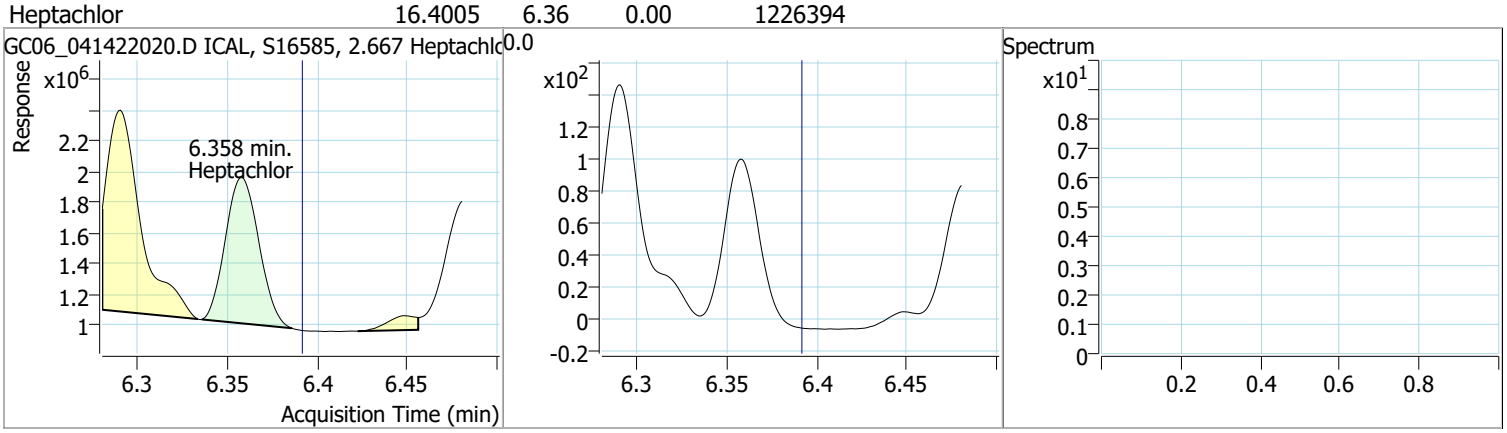
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	39.3011	6.19	-0.03	19000584			



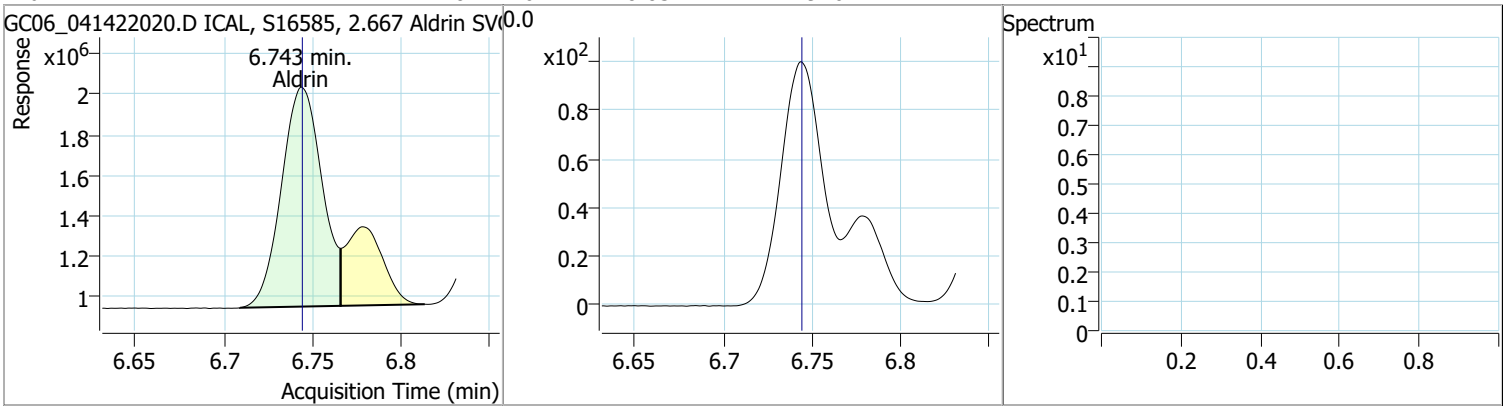
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	23.4641	6.34	0.01	7617947			



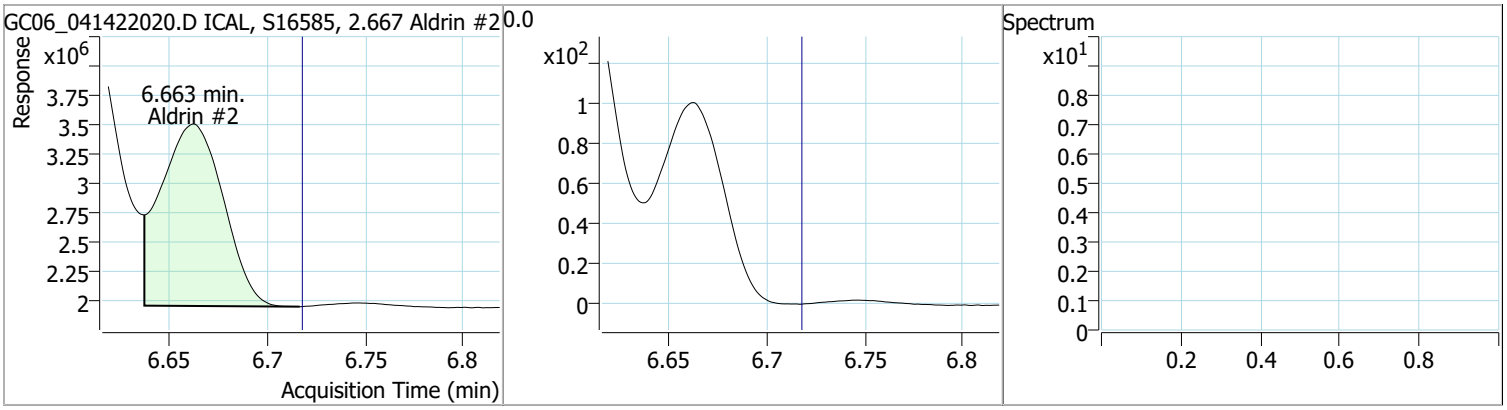
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	16.4005	6.36	0.00	1226394			



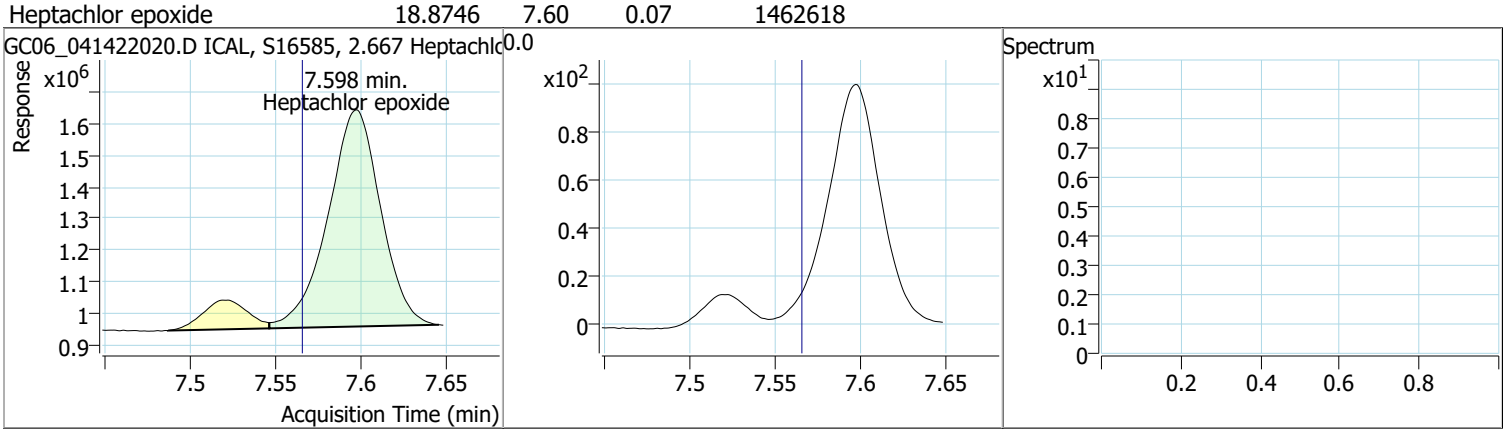
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	21.2207	6.74	0.03	1717976			



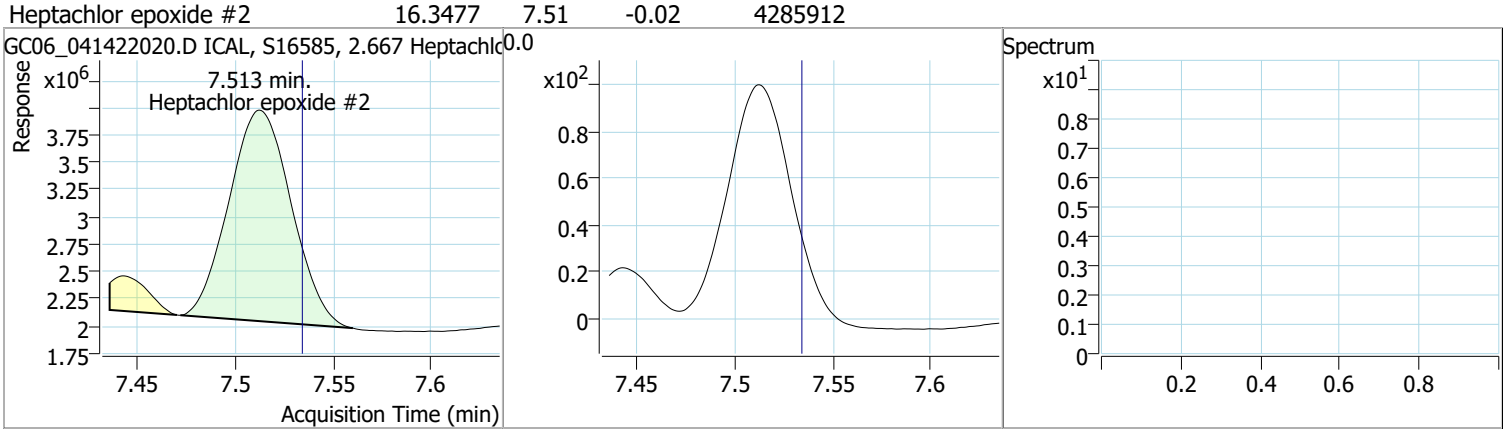
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	14.0681	6.66	-0.06	3438770			



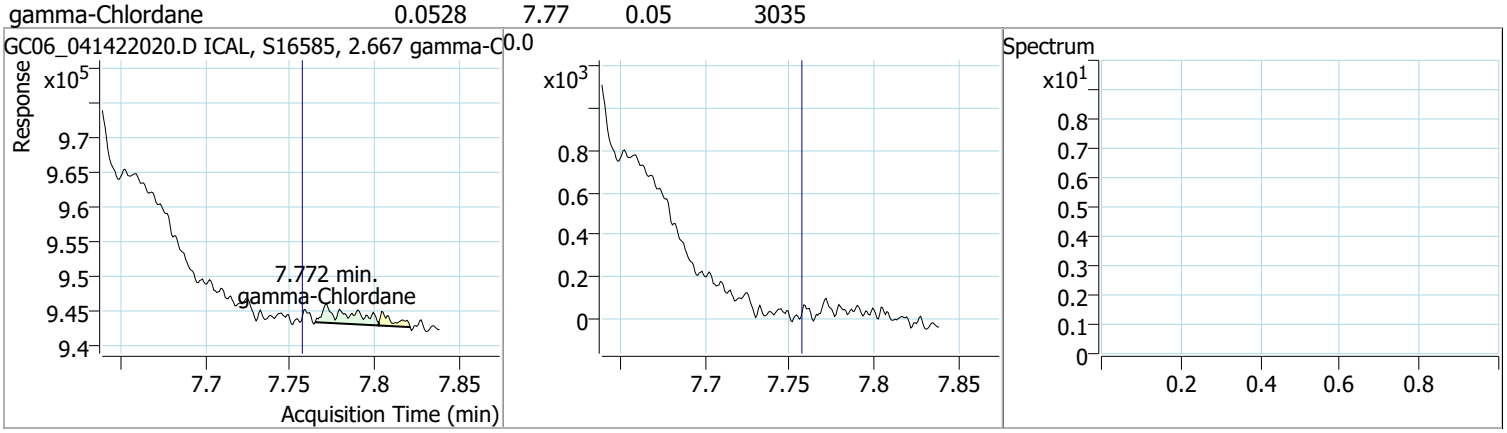
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	18.8746	7.60	0.07	1462618			



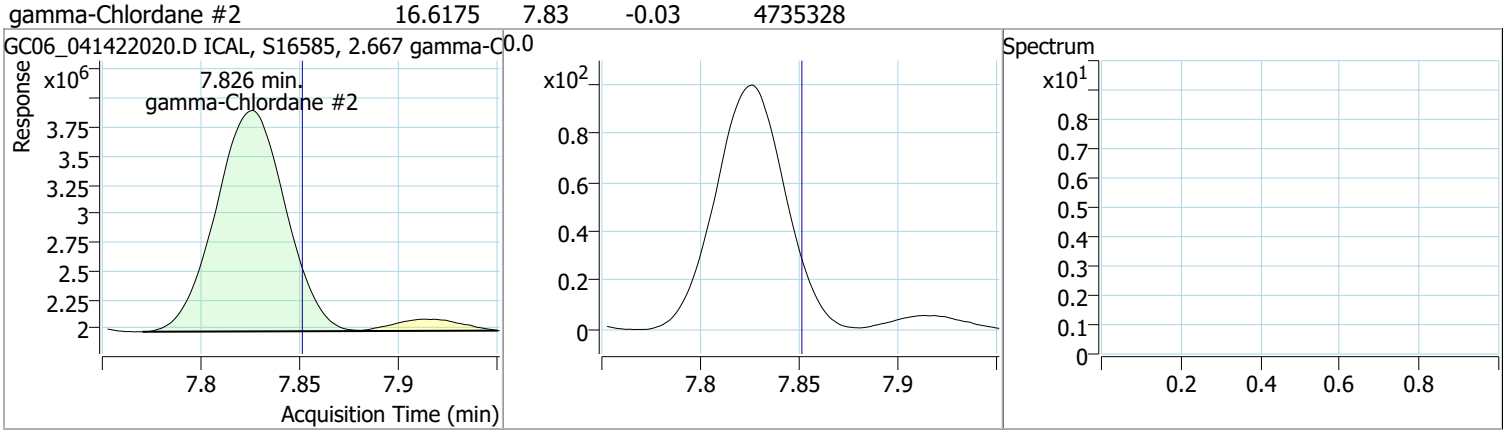
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	16.3477	7.51	-0.02	4285912			



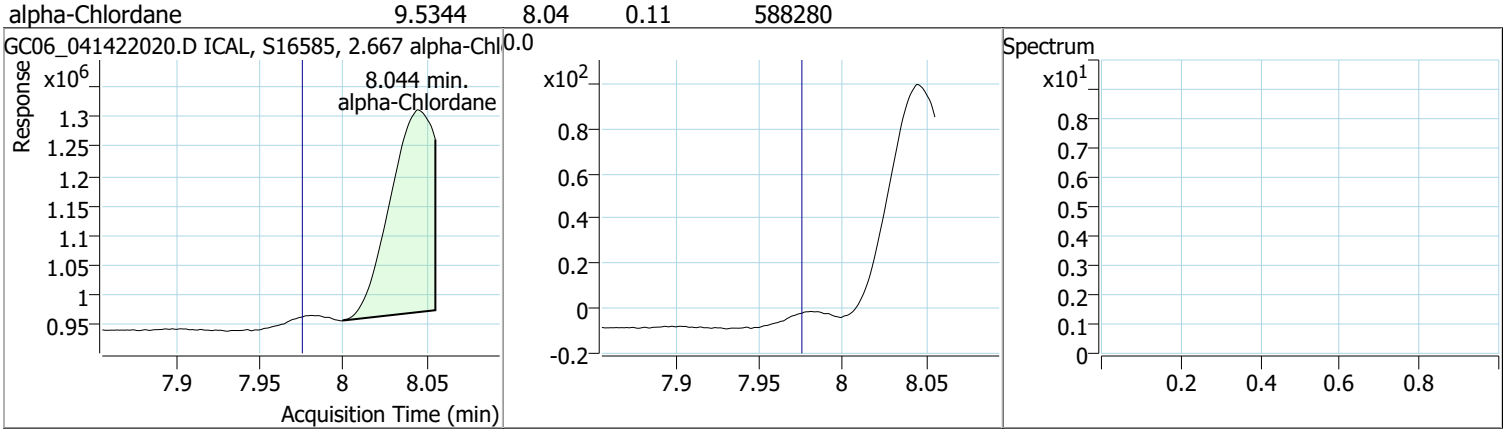
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.0528	7.77	0.05	3035			



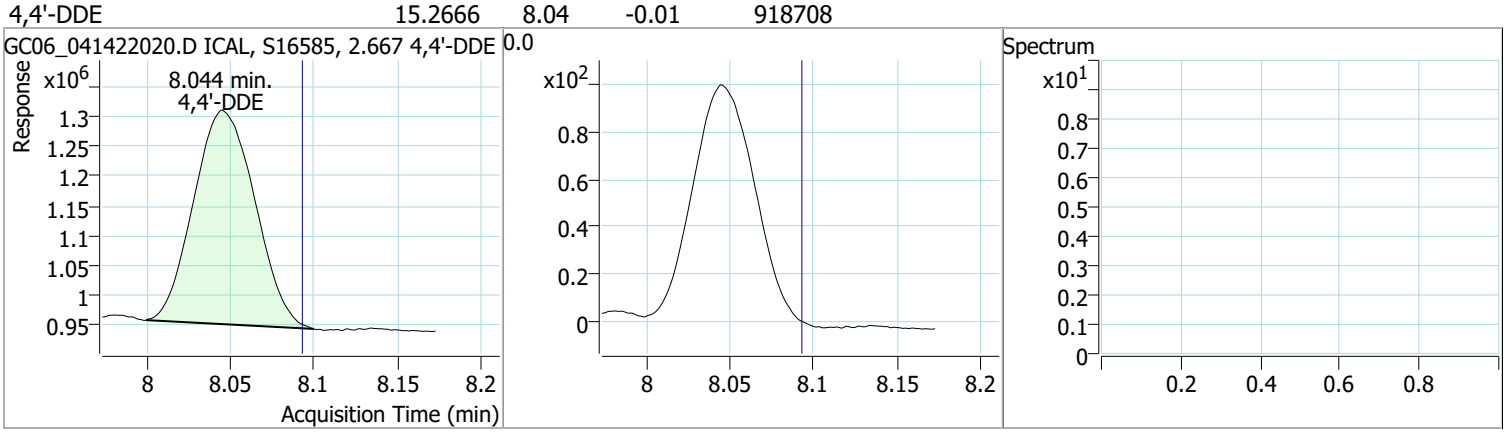
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	16.6175	7.83	-0.03	4735328			



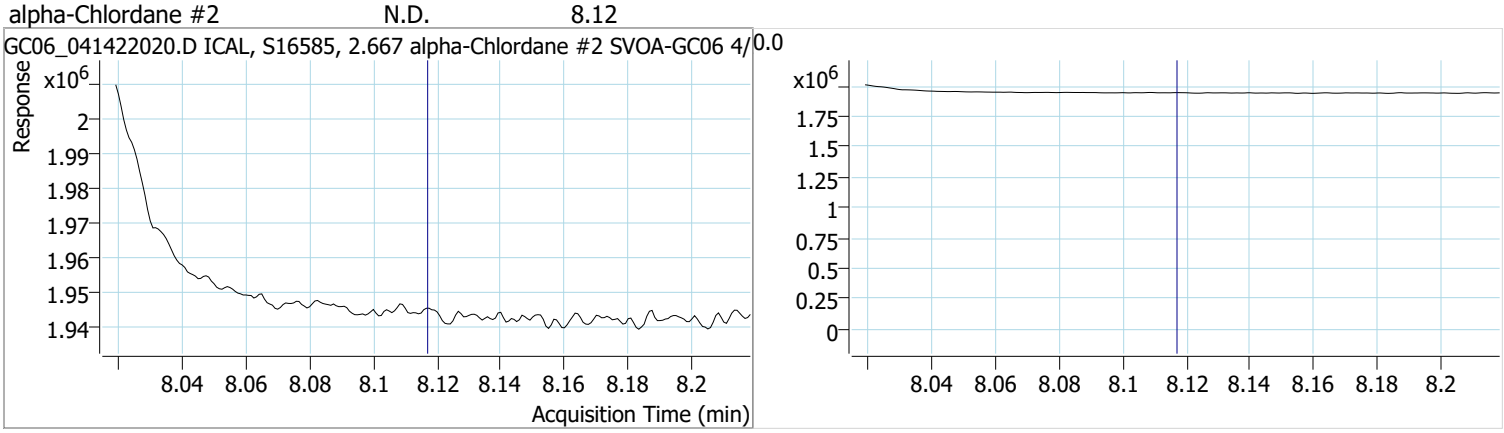
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	9.5344	8.04	0.11	588280			



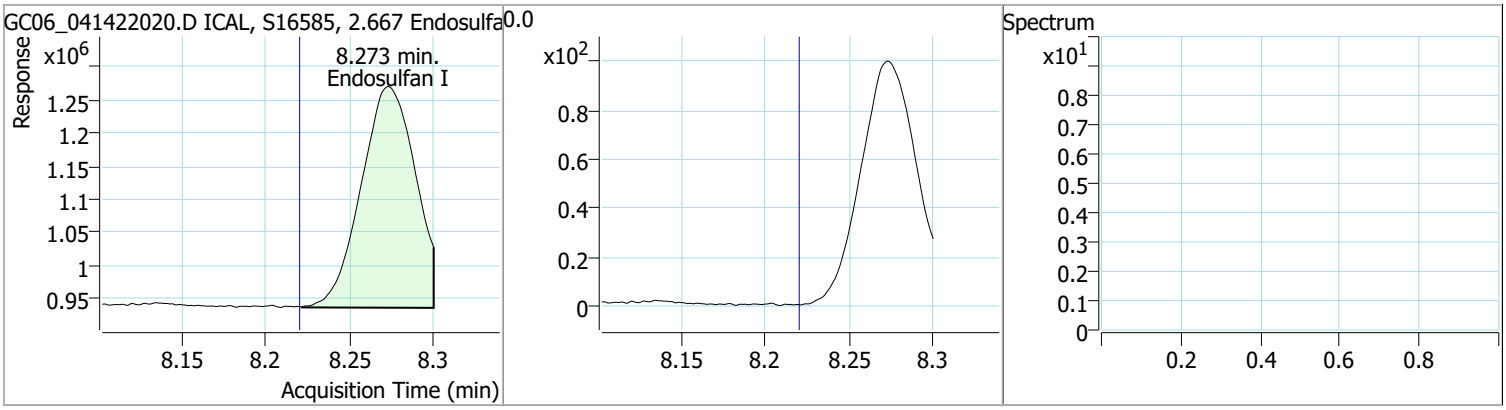
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	15.2666	8.04	-0.01	918708			



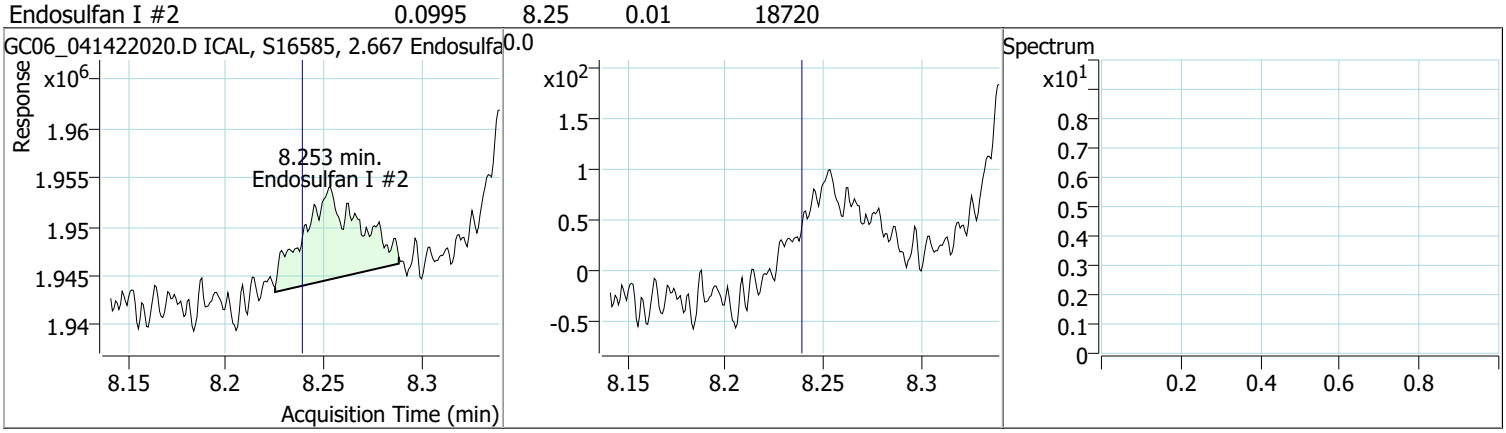
Compound	Conc.	Exp Ratio
alpha-Chlordane #2	N.D.	8.12



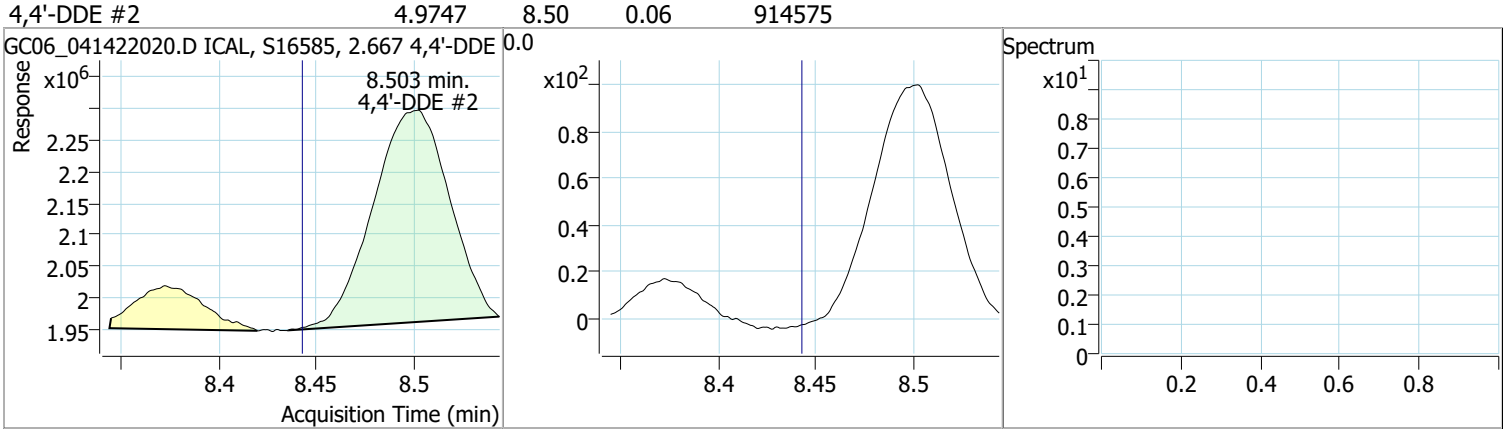
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	12.8182	8.27	0.09	752549			



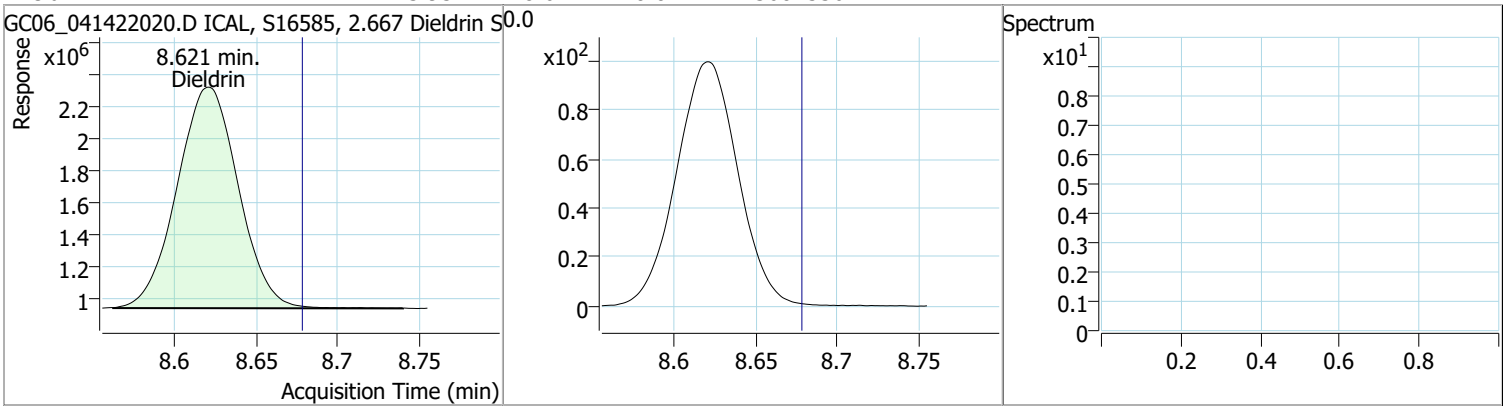
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I #2	0.0995	8.25	0.01	18720			



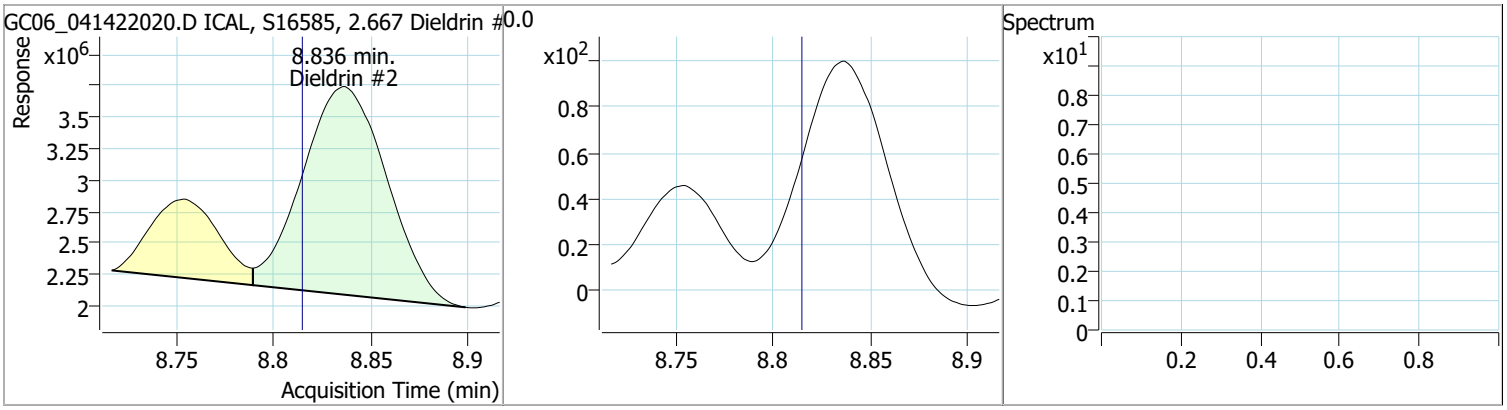
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	4.9747	8.50	0.06	914575			



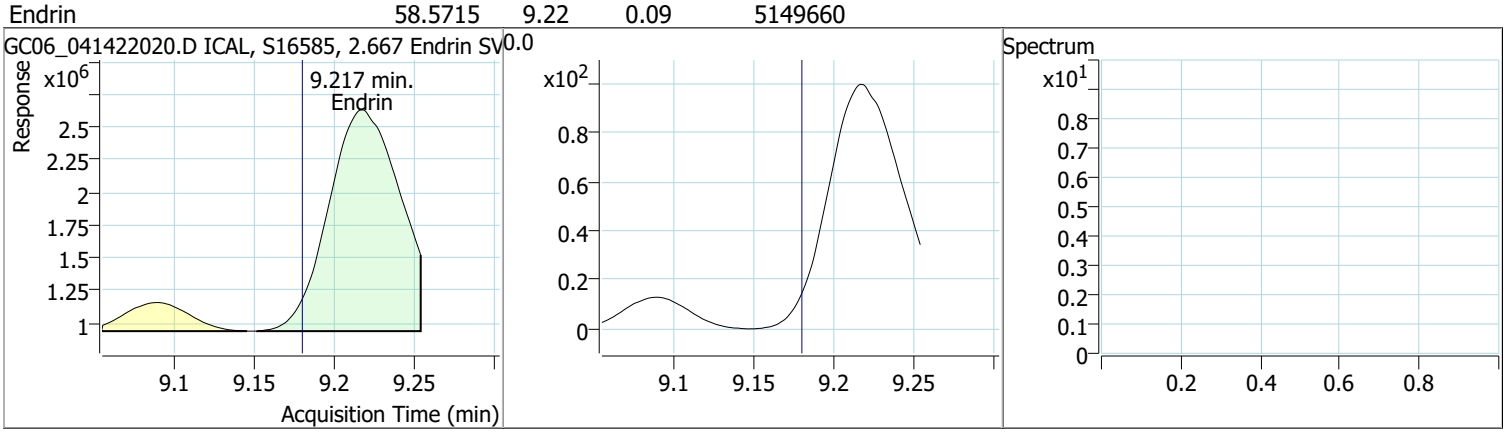
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin	43.9527	8.62	-0.01	3602536			



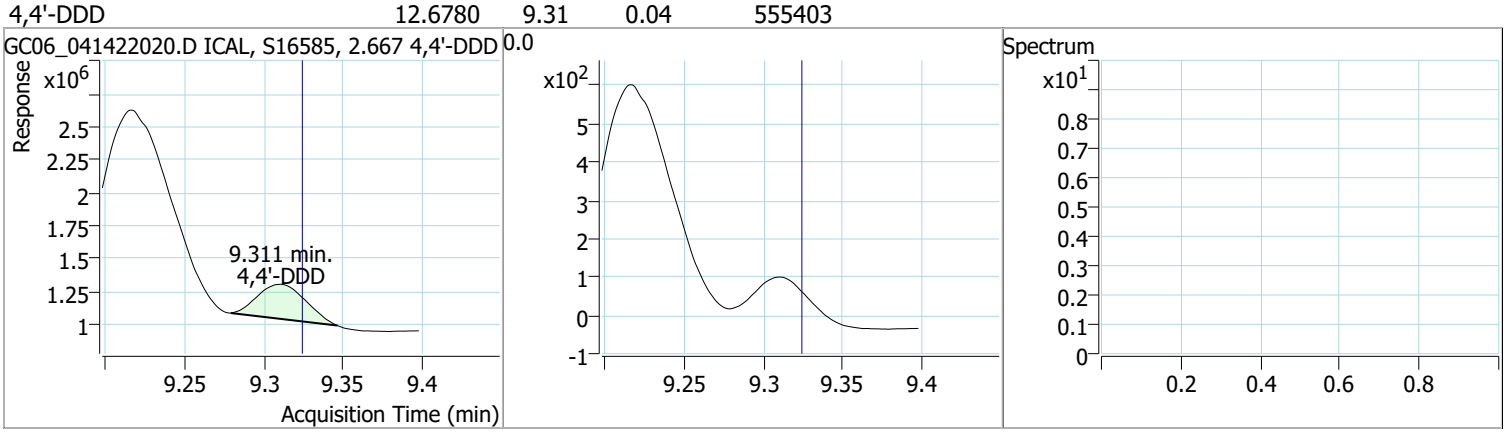
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	22.1957	8.84	0.02	4987733			



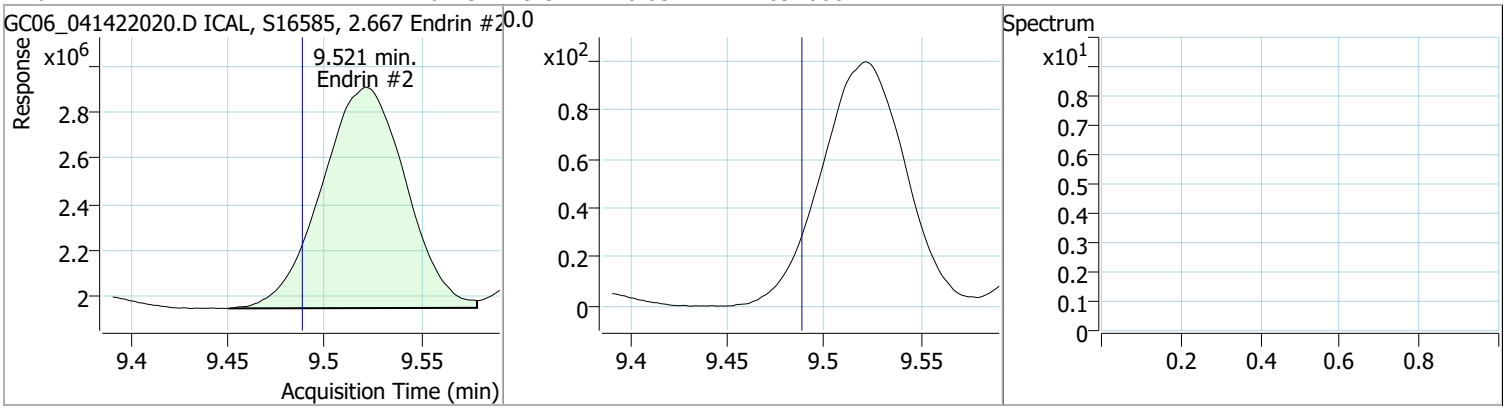
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin	58.5715	9.22	0.09	5149660			



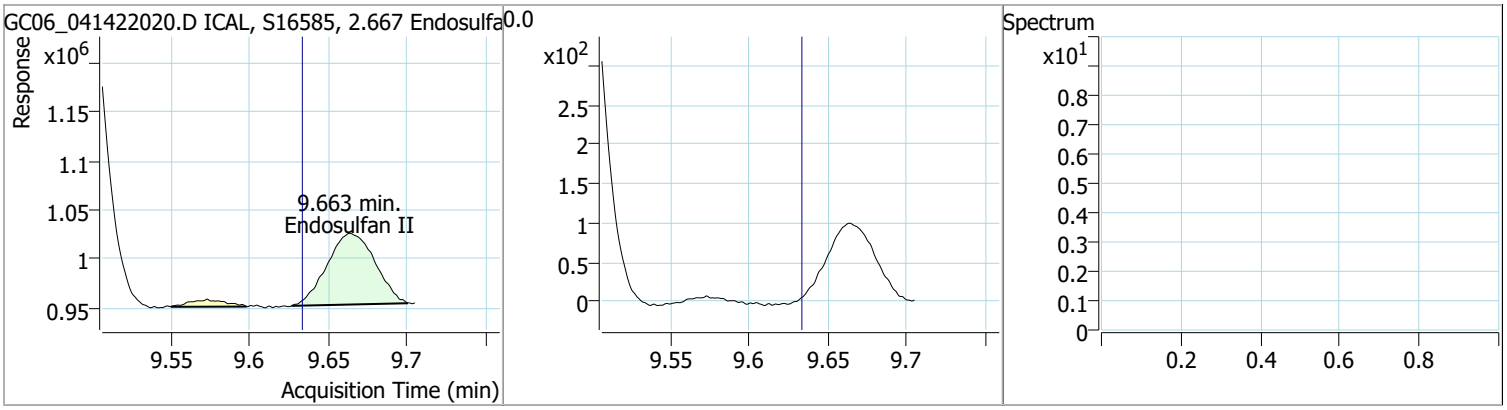
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	12.6780	9.31	0.04	555403			



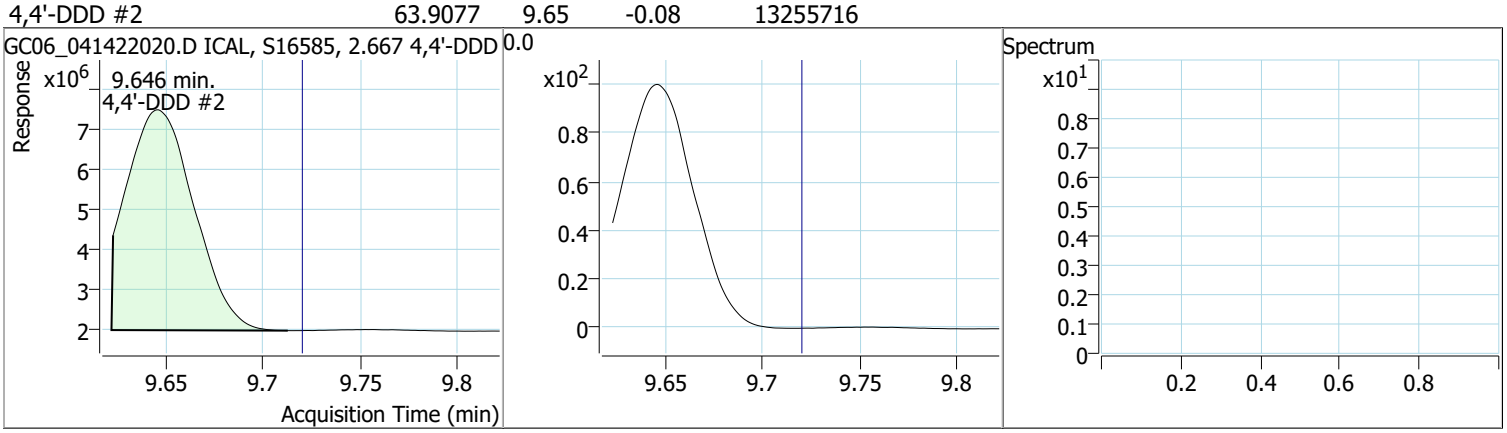
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin #2	14.6749	9.52	0.03	2892006			



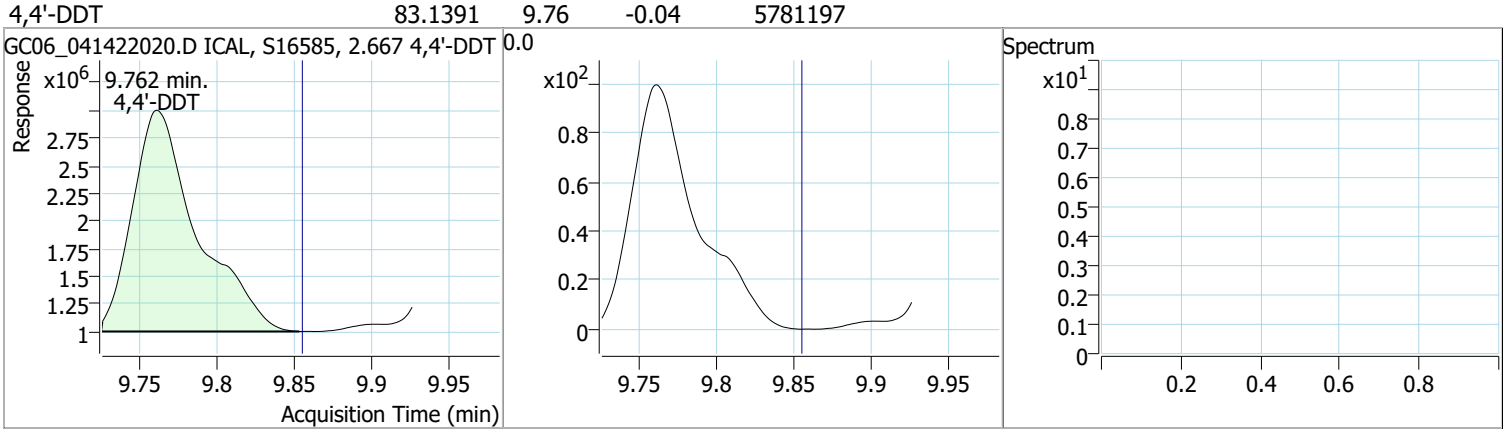
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II	2.7932	9.66	0.08	154699			



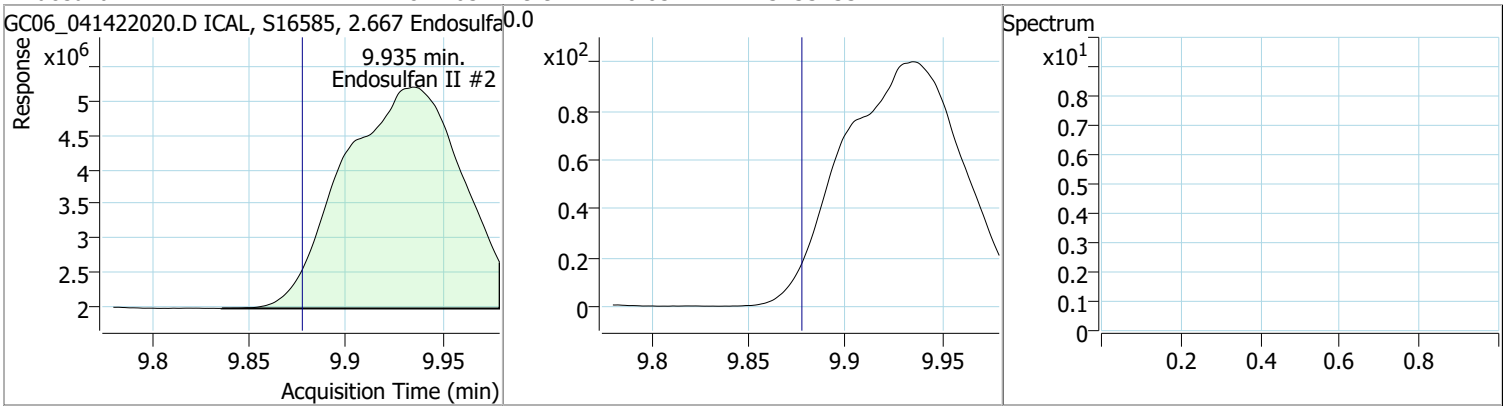
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	63.9077	9.65	-0.08	13255716			



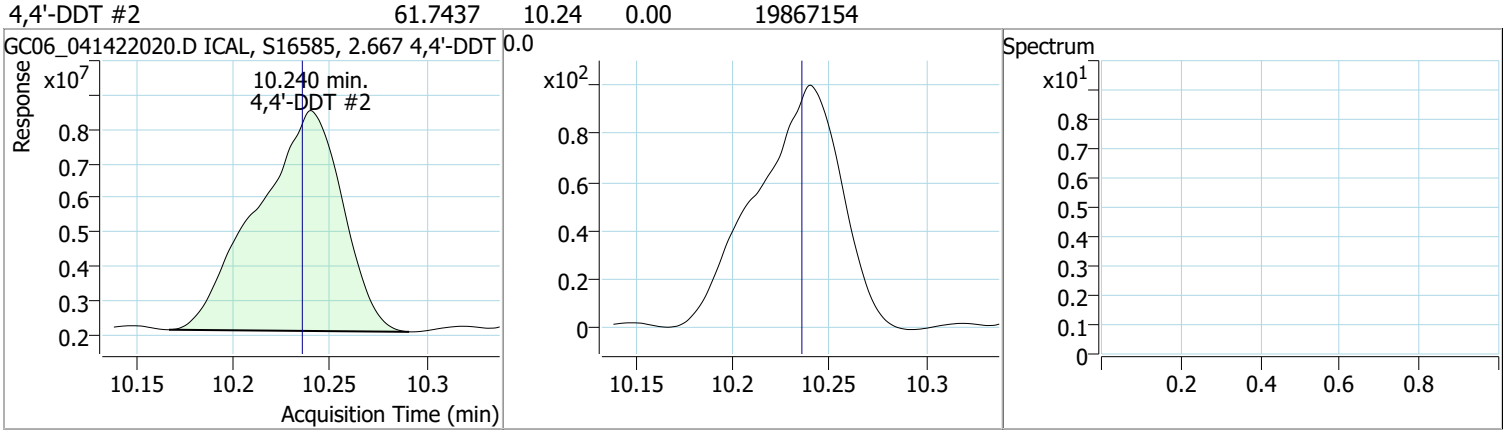
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	83.1391	9.76	-0.04	5781197			



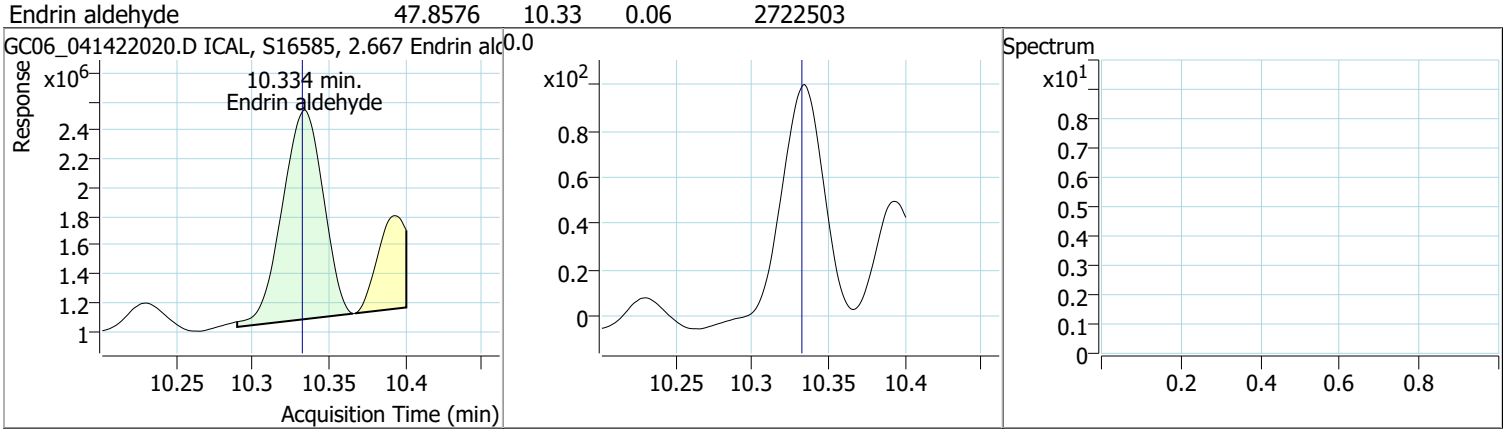
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	48.7765	9.94	0.05	13733433			



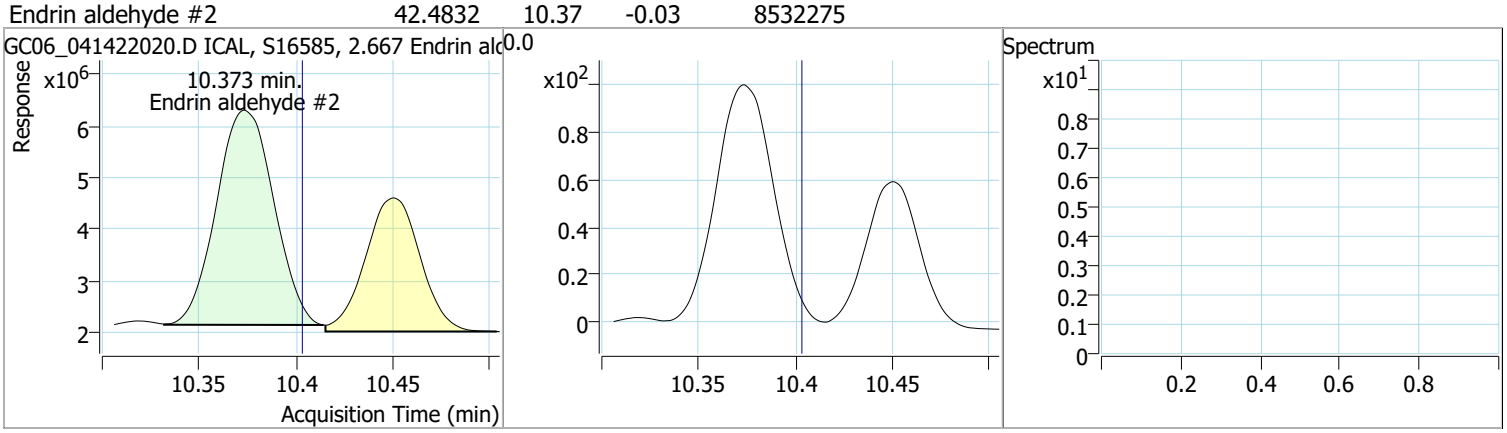
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	61.7437	10.24	0.00	19867154			



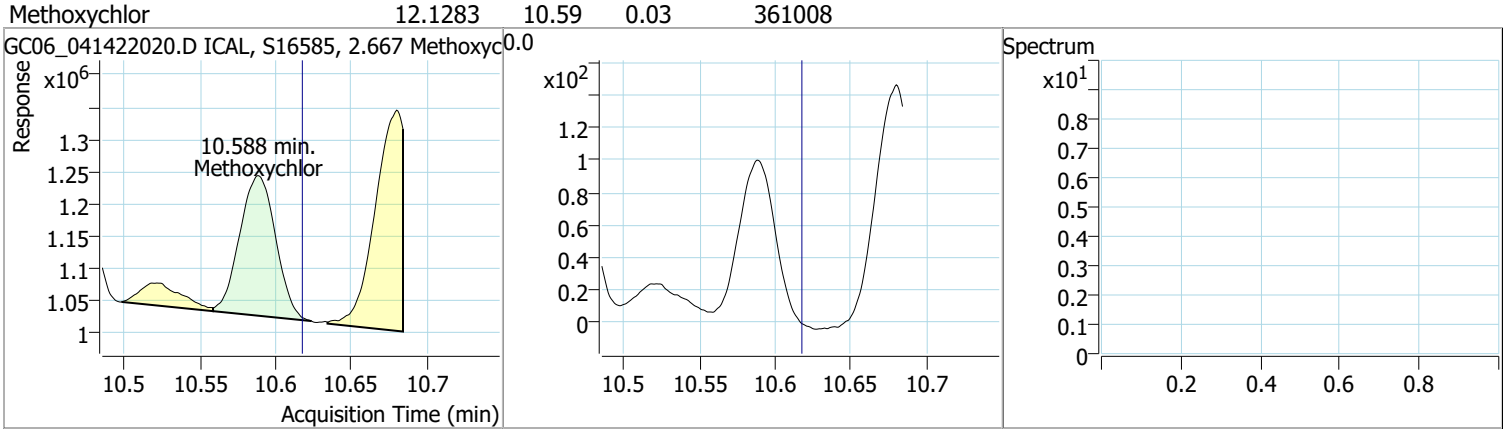
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	47.8576	10.33	0.06	2722503			



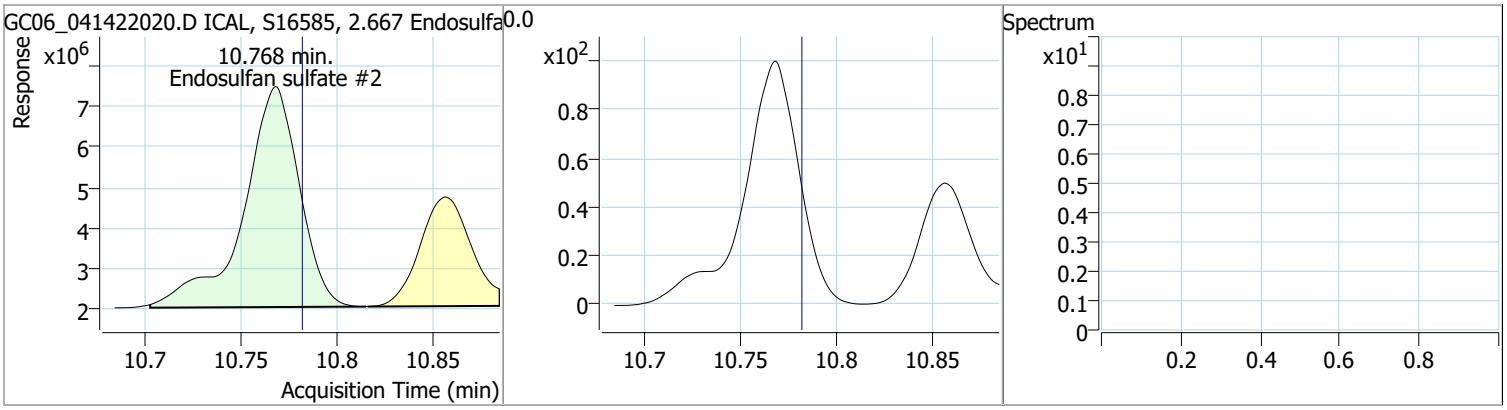
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	42.4832	10.37	-0.03	8532275			



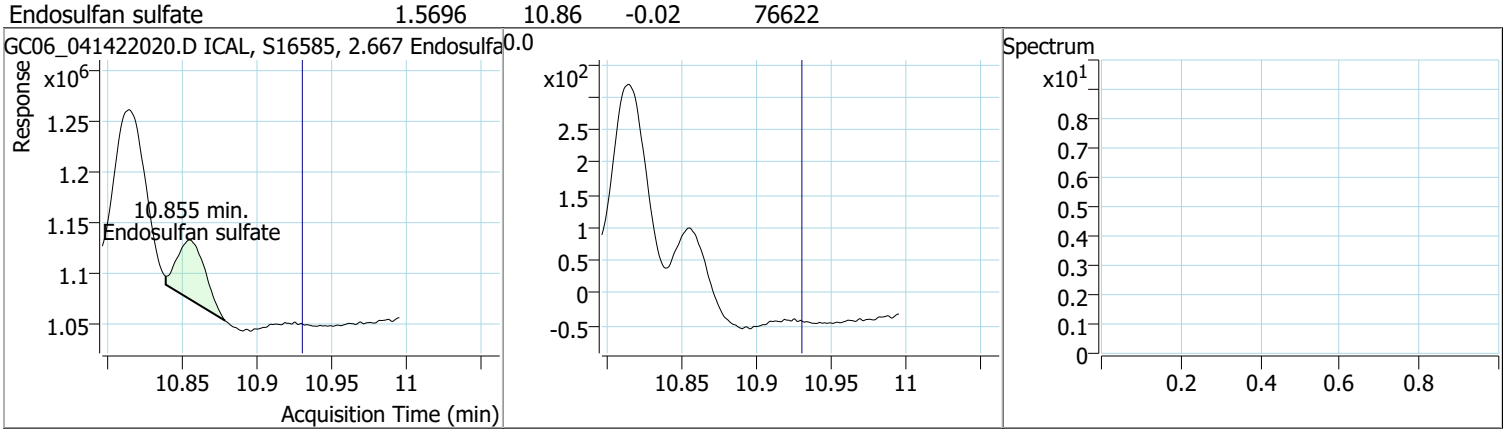
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	12.1283	10.59	0.03	361008			



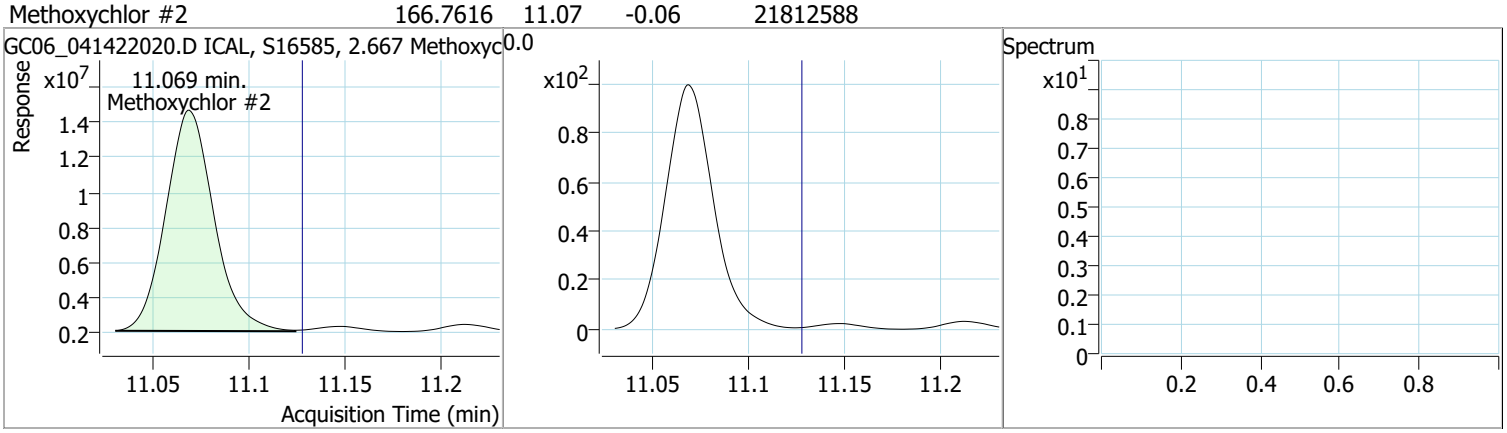
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	46.8221	10.77	-0.02	10983606			



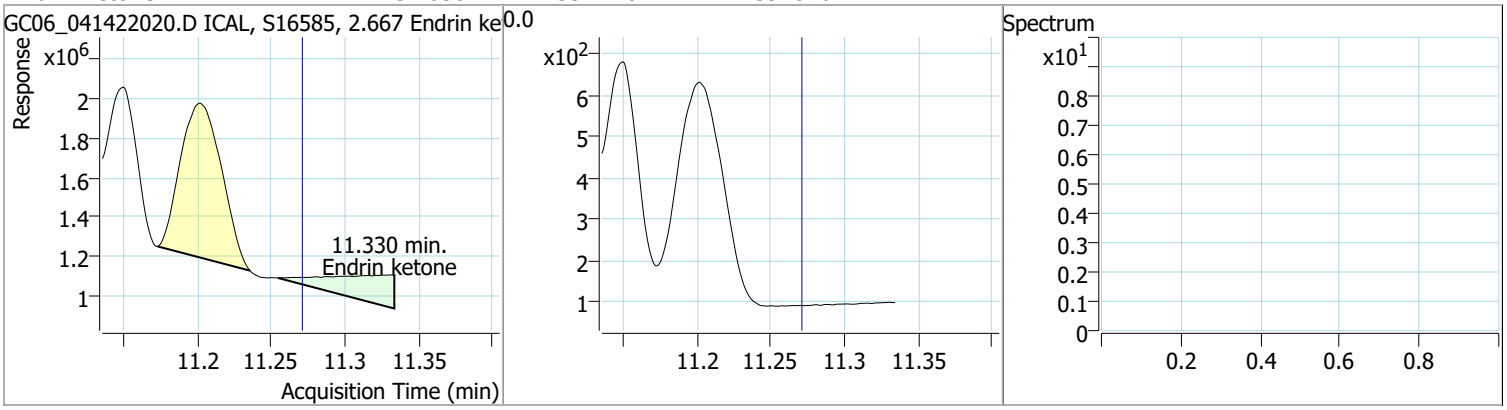
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	1.5696	10.86	-0.02	76622			



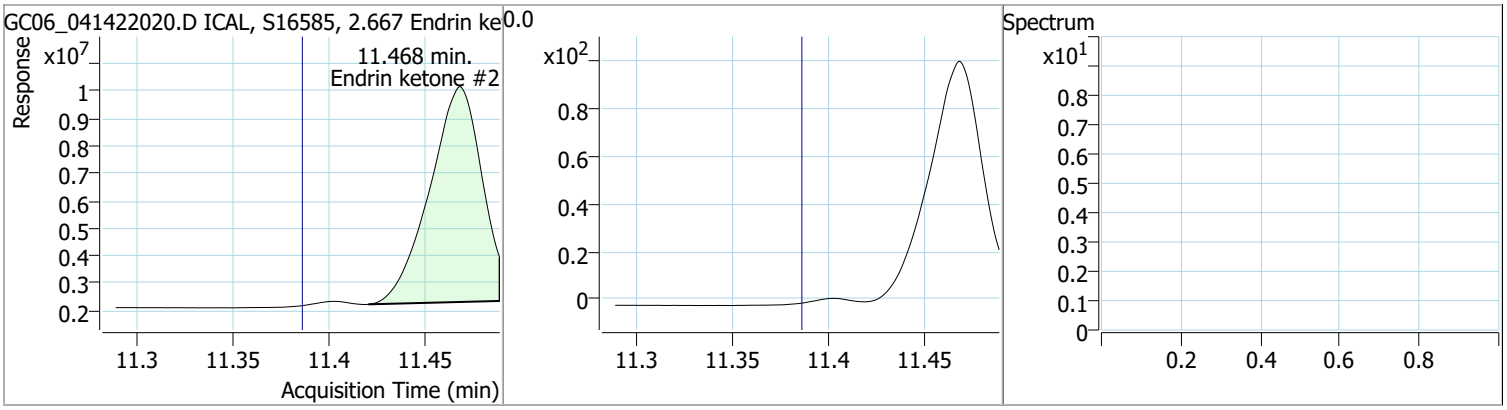
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	166.7616	11.07	-0.06	21812588			



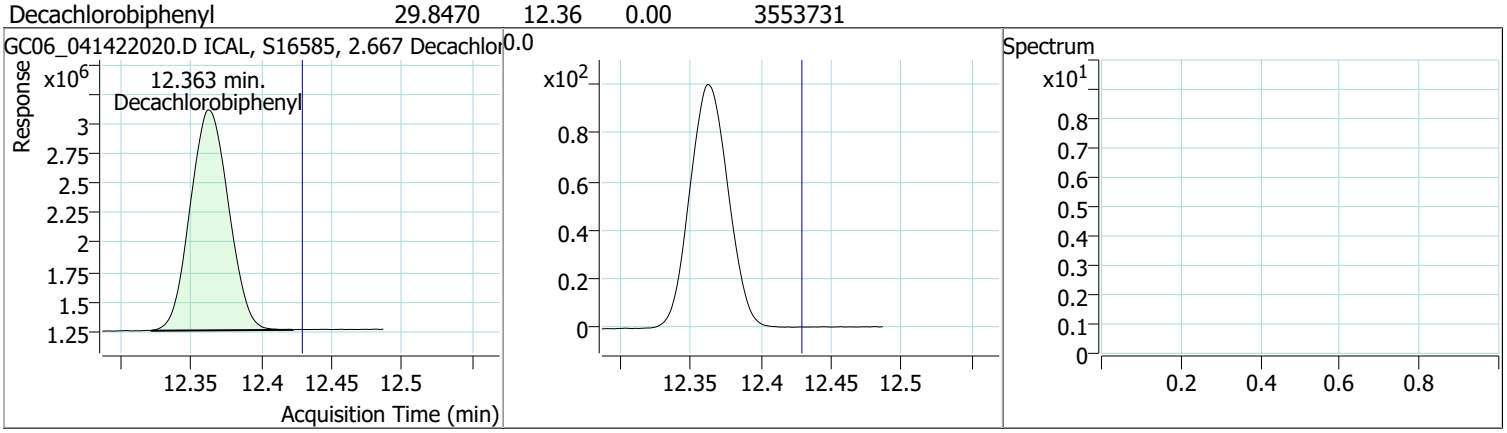
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	5.7838	11.33	0.12	397876			



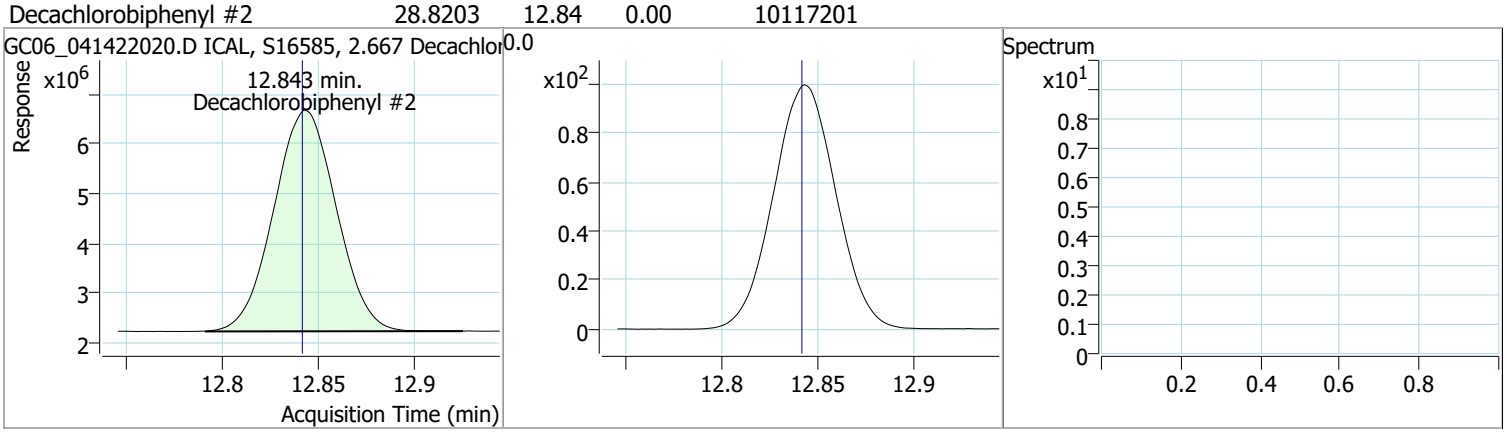
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	48.4077	11.47	0.08	14584668			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	29.8470	12.36	0.00	3553731			

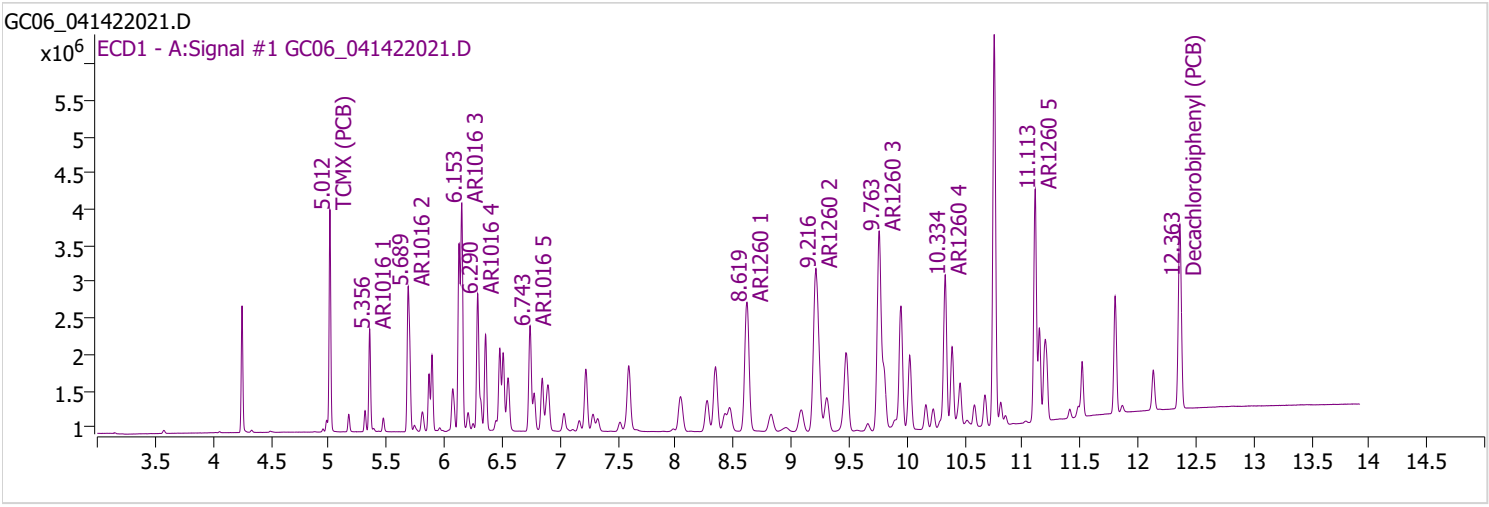


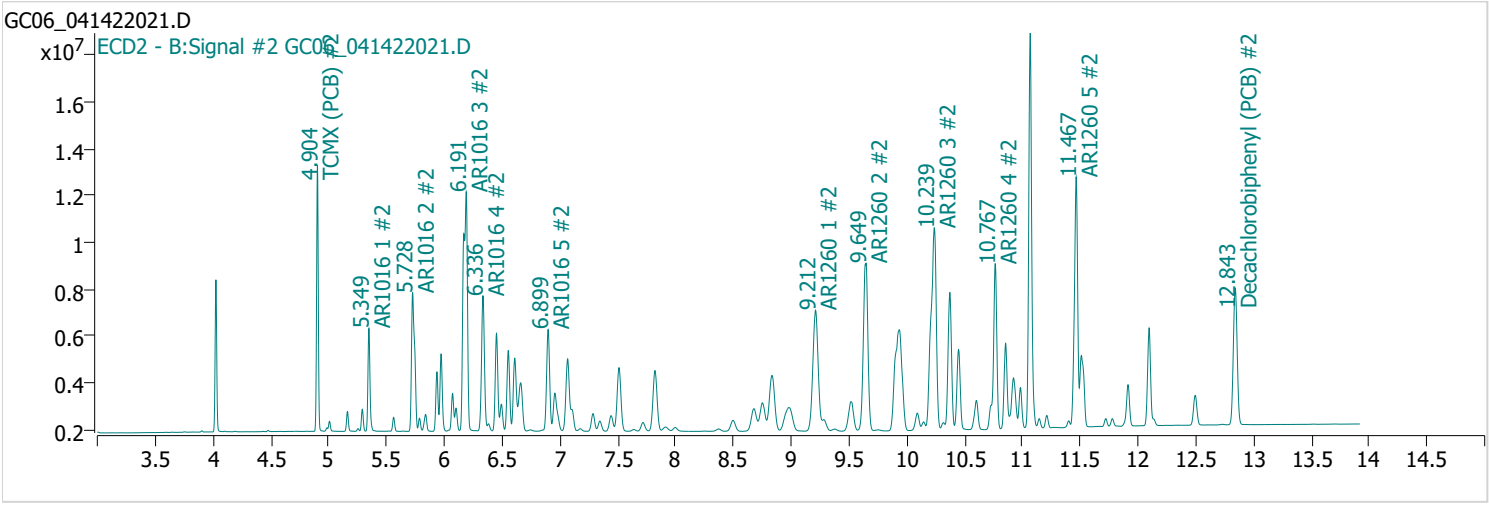
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	28.8203	12.84	0.00	10117201			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422021.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 8:26:46 PM
Sample Name	ICAL, S16585, 2	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 117	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



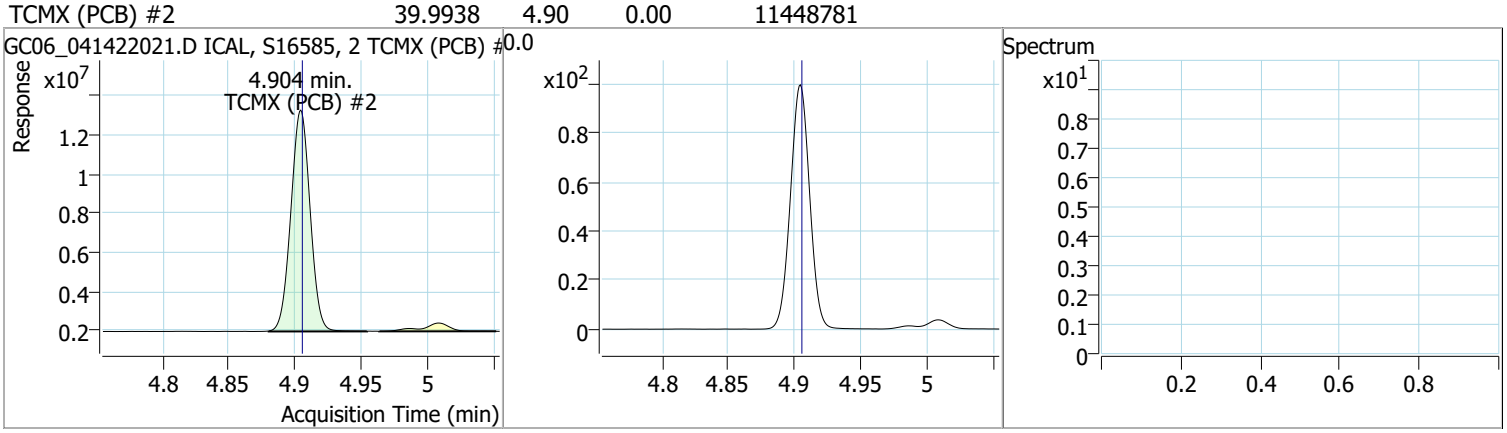


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.252	4.026	1726223	6249825	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.012	4.904	3158804	11448781	38.043	39.994	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	190.22% *	199.97% *	
S Decachlorobiphenyl (PCB)	12.363	12.843	4719394	13502951	35.957	35.805	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	179.78% *	179.02% *	
Target Compounds							
T AR1016 1	5.356	5.349	1559025	5412266	923.292	924.736	ng/ml
T AR1016 2	5.689	5.728	3283408	11352100	893.055	934.640	ng/ml
T AR1016 3	6.153	6.191	4098689	15182937 m	947.237	947.862	ng/ml
T AR1016 4	6.290	6.336	3006591	10164592	928.517	935.344	ng/ml
T AR1016 5	6.743	6.899	2288258	7985575	913.555	939.893	ng/ml
T AR1260 1	8.619	9.212	4769088	16601847 m	877.883	877.677	ng/ml
T AR1260 2	9.216	9.649	7387577	19464462	882.911	890.558	ng/ml
T AR1260 3	9.763	10.239	8027982 m	26860418	922.930	904.557	ng/ml
T AR1260 4	10.334	10.767	3879336	13727290	896.754	854.312	ng/ml

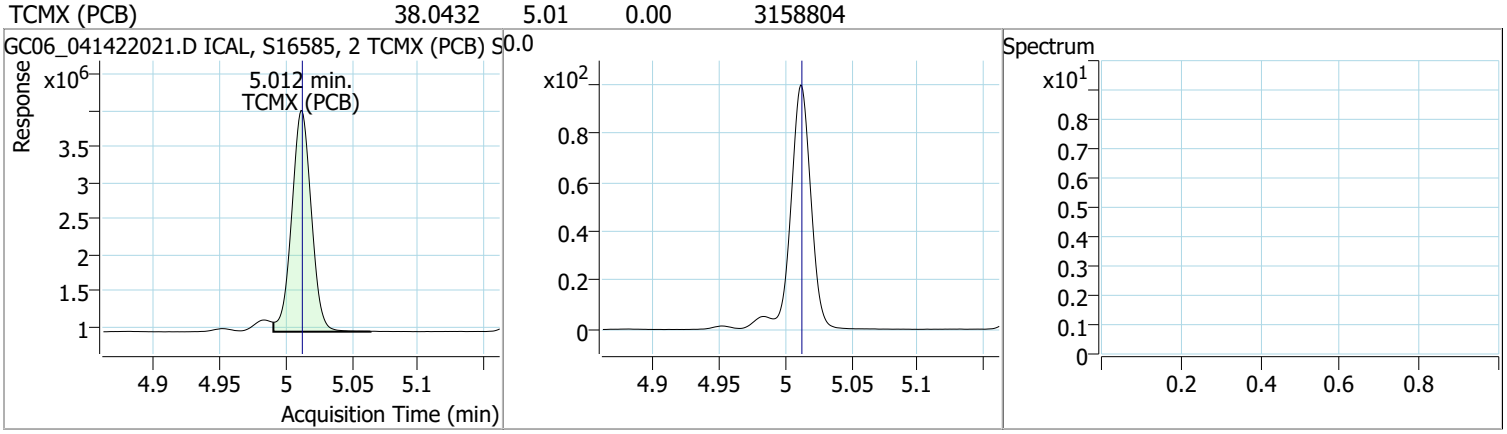
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.113	11.467	5329819	20928472	930.881	883.433	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

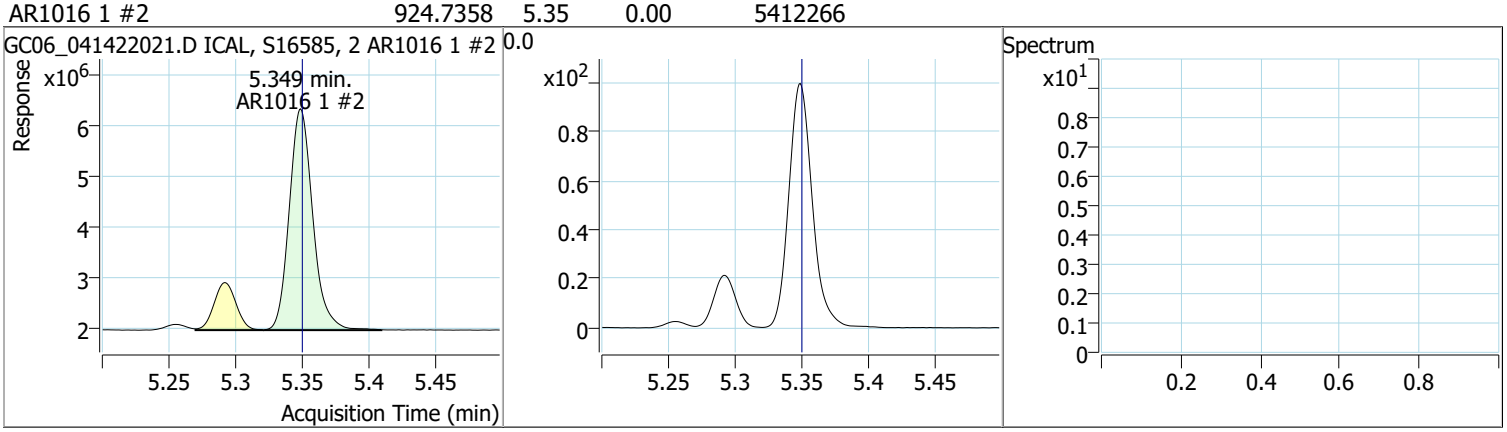
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	39.9938	4.90	0.00	11448781			



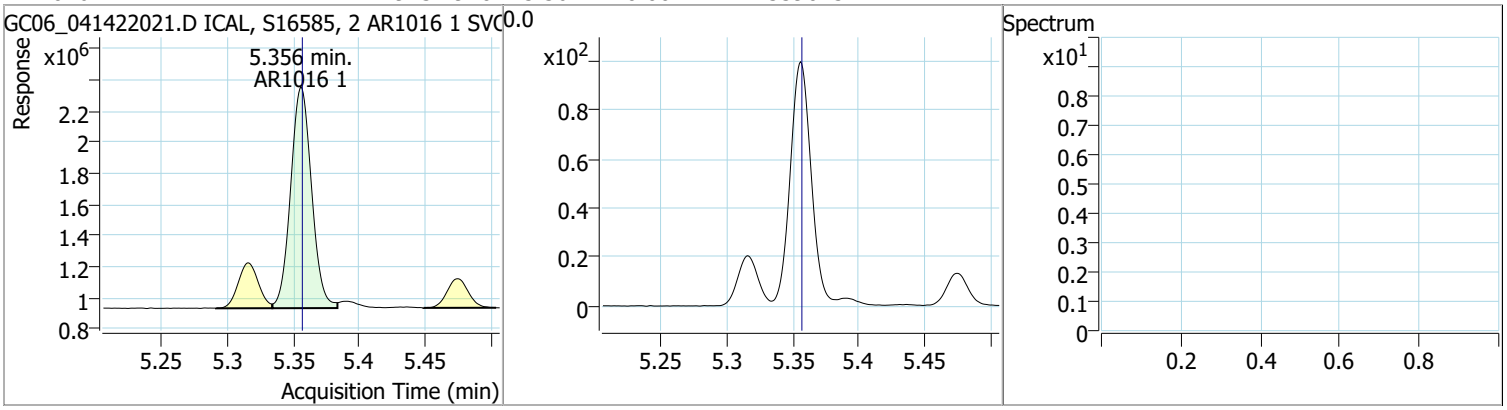
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	38.0432	5.01	0.00	3158804			



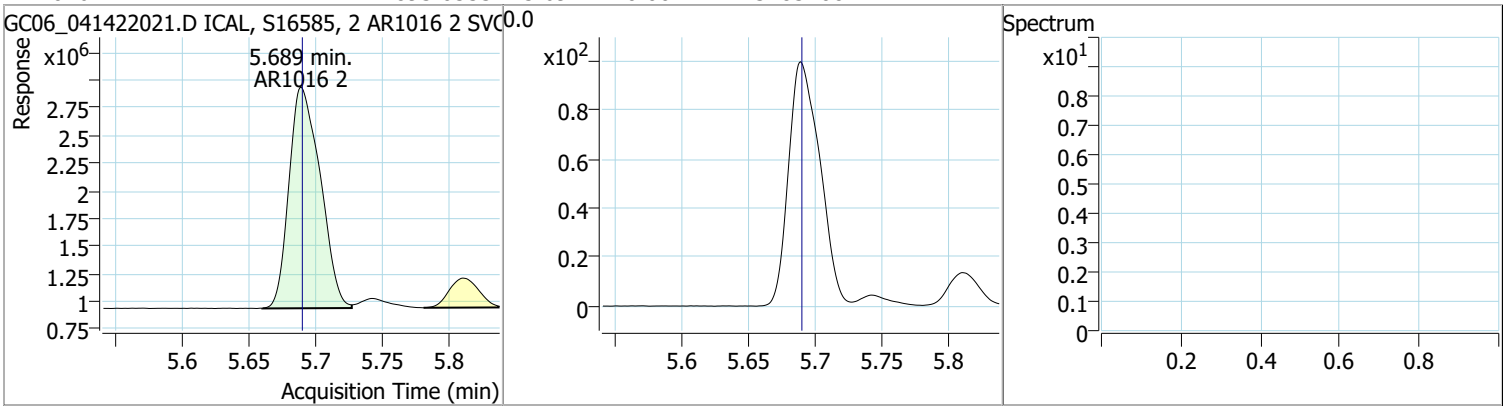
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	924.7358	5.35	0.00	5412266			



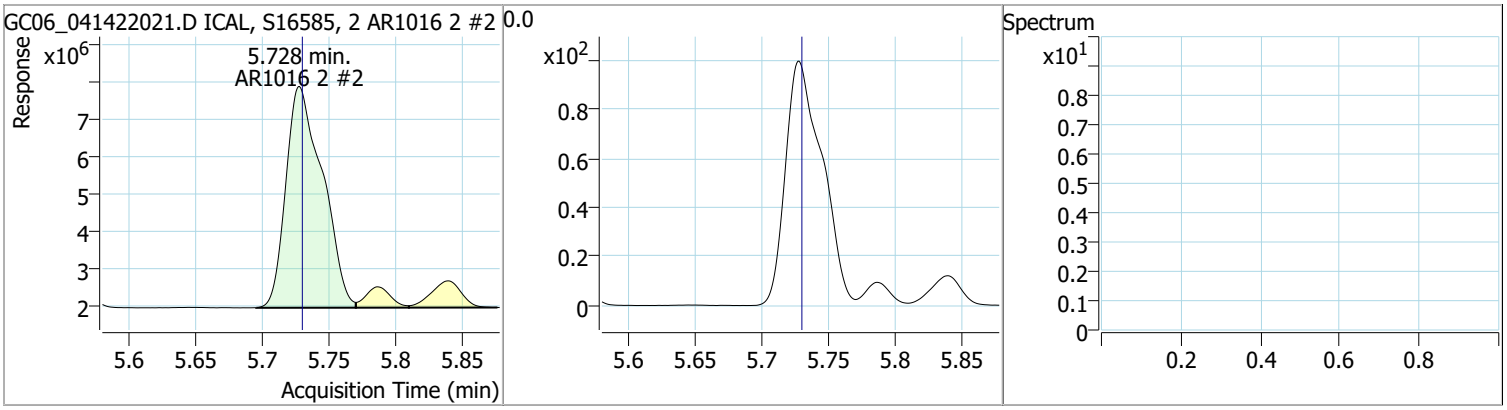
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	923.2920	5.36	0.00	1559025			



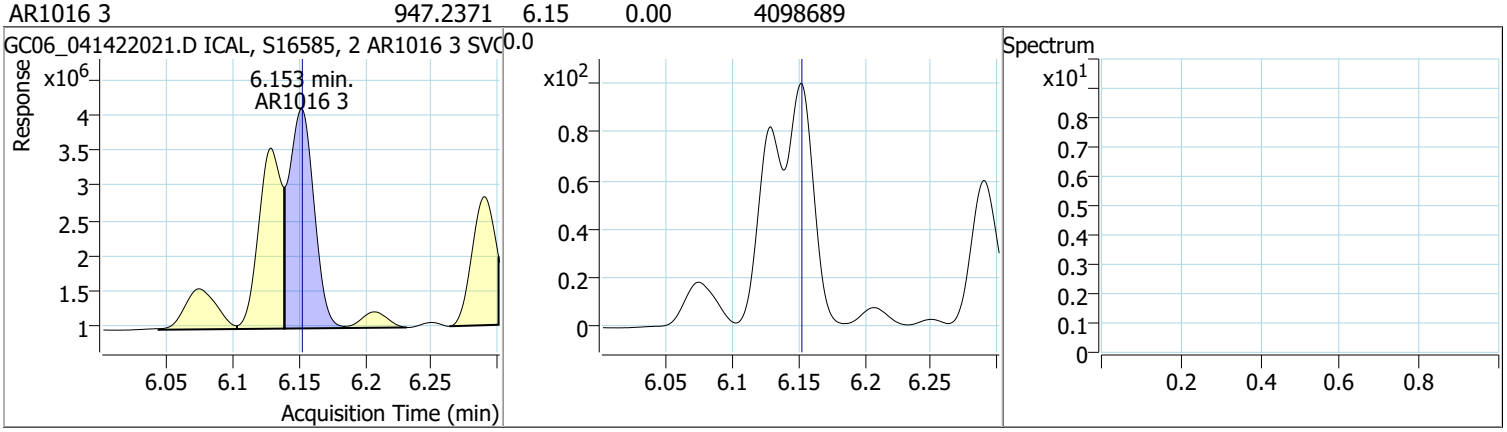
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	893.0553	5.69	0.00	3283408			



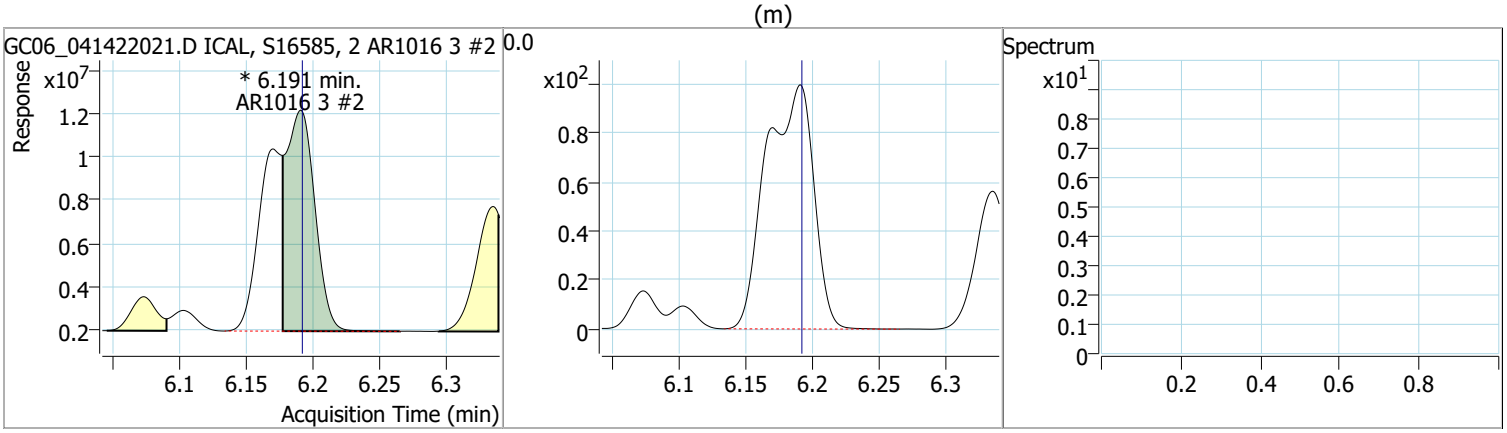
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	934.6403	5.73	0.00	11352100			



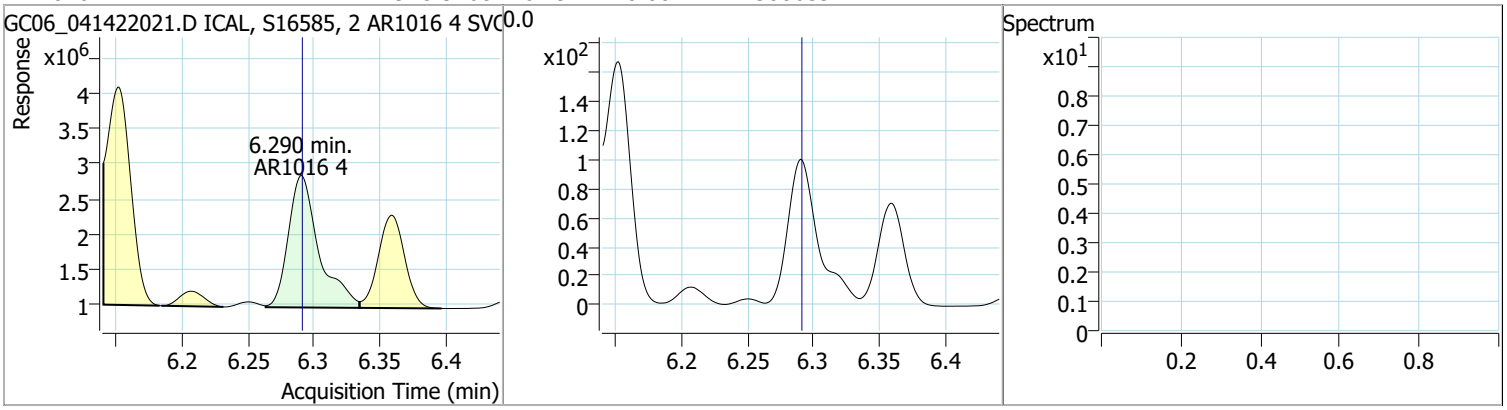
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	947.2371	6.15	0.00	4098689			



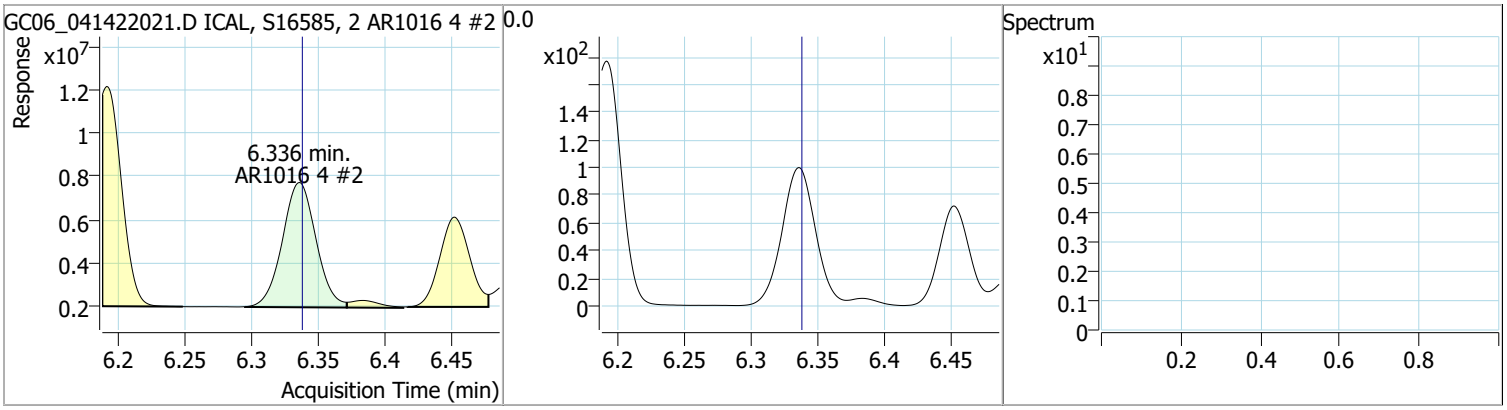
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	947.8618	6.19	0.00	15182937 (m)			



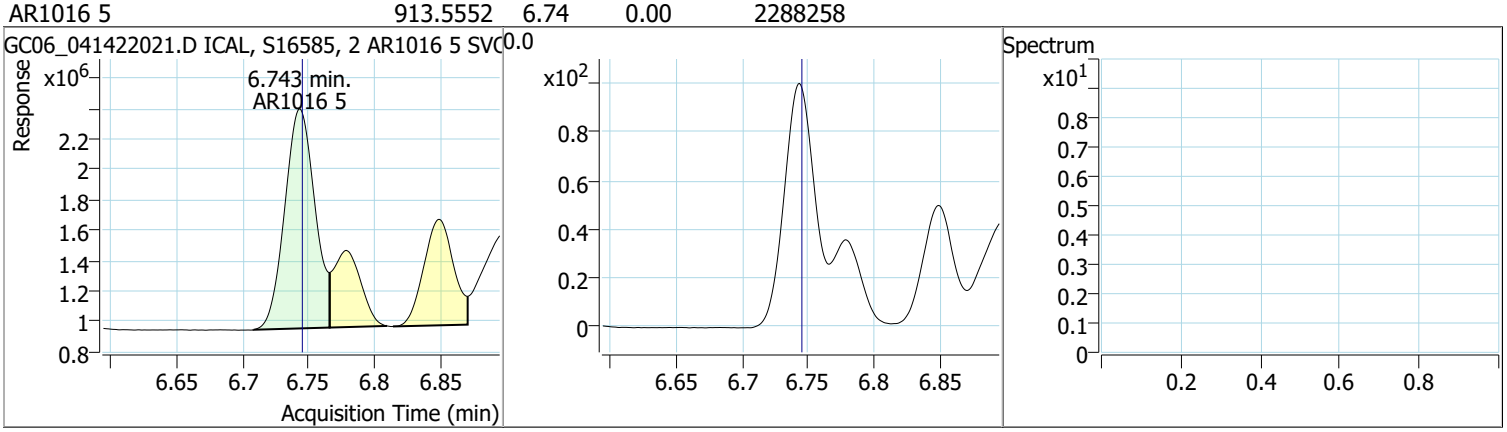
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	928.5168	6.29	0.00	3006591			



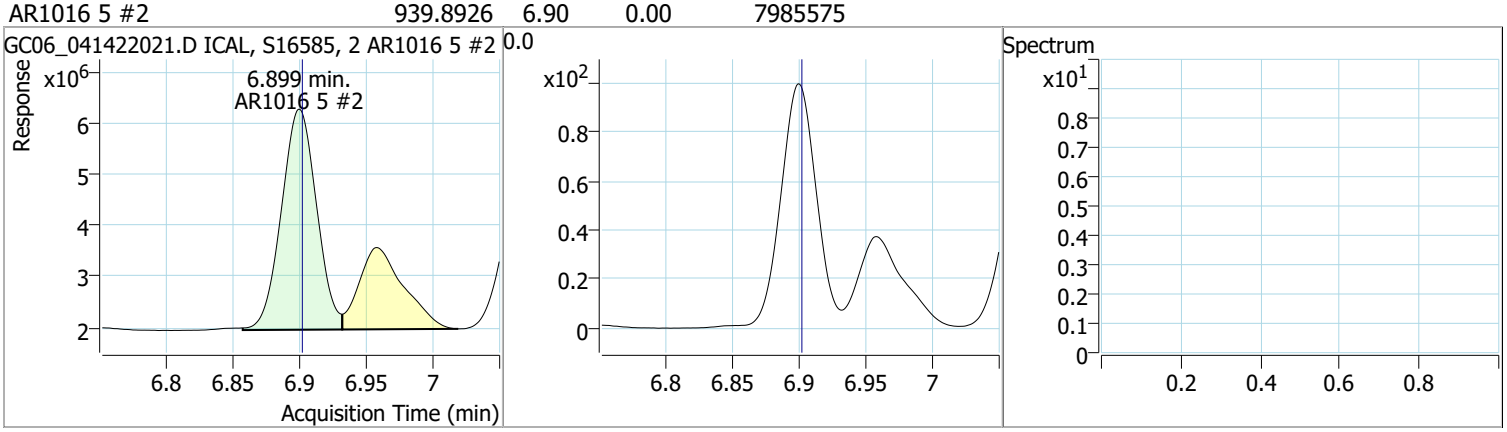
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	935.3441	6.34	0.00	10164592			



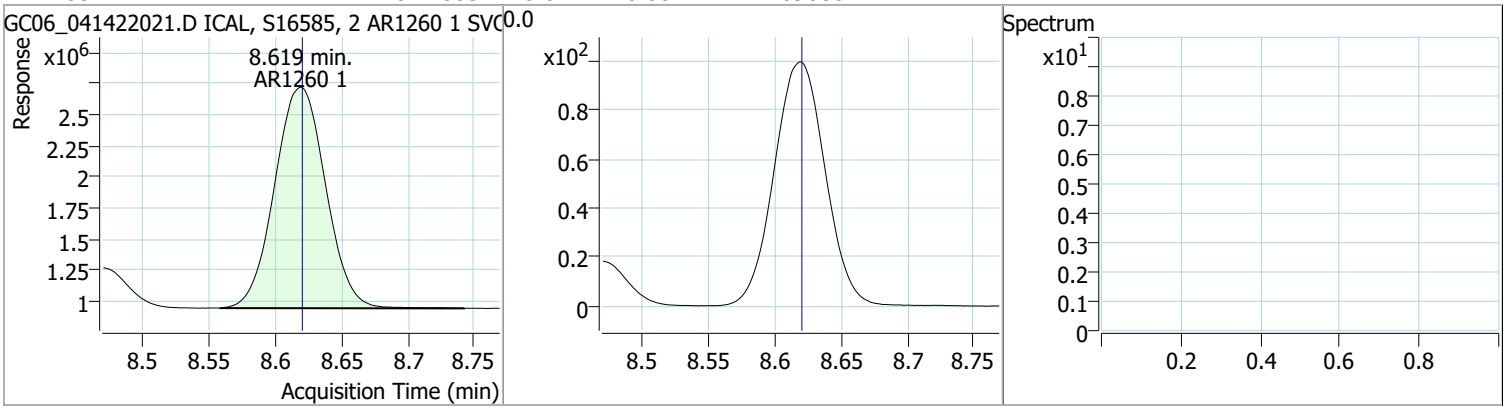
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	913.5552	6.74	0.00	2288258			



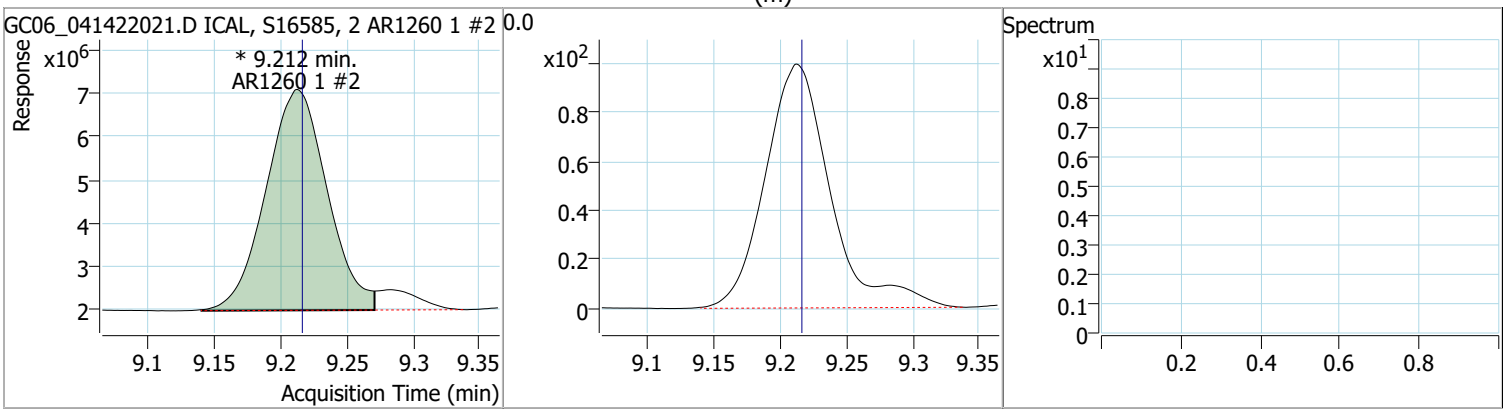
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	939.8926	6.90	0.00	7985575			



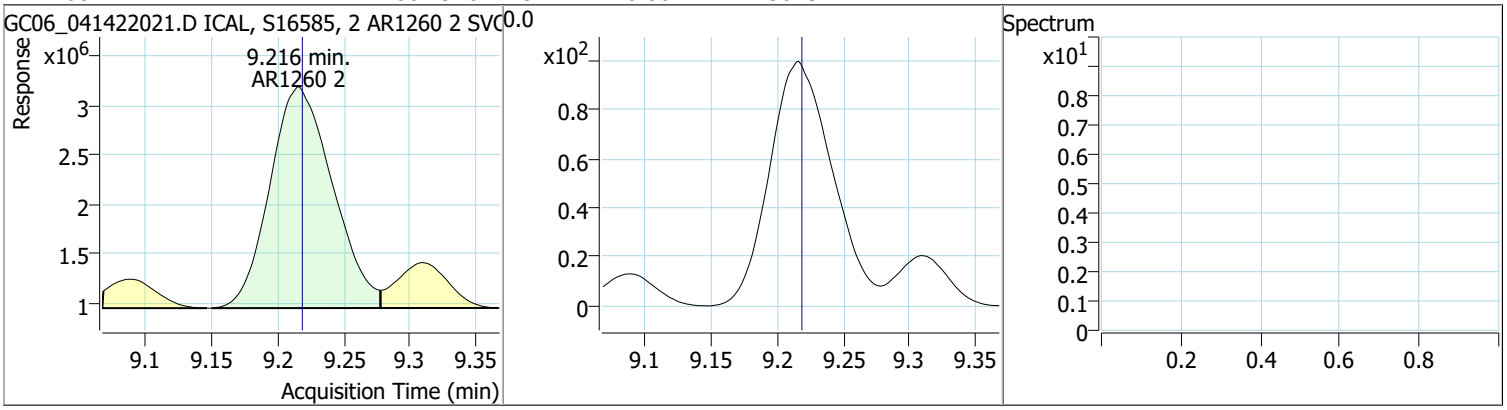
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	877.8831	8.62	0.00	4769088			



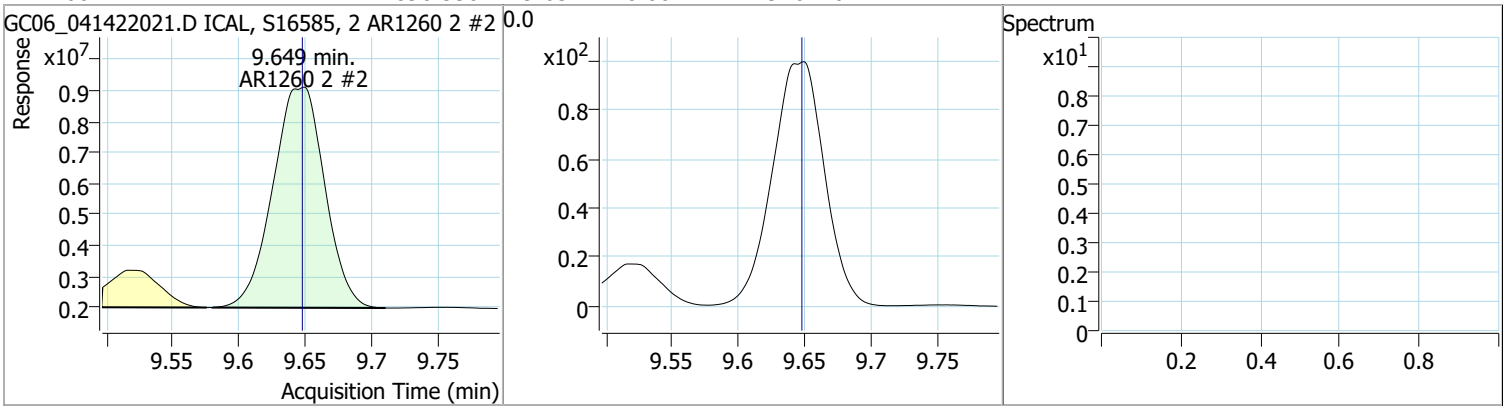
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	877.6771	9.21	0.00	16601847 (m)			



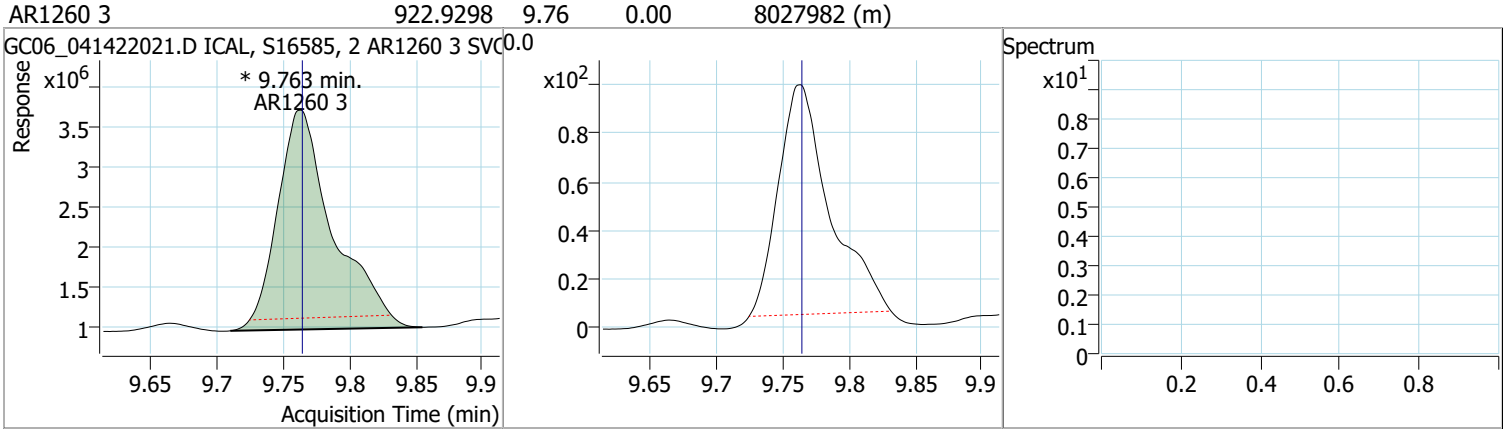
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	882.9107	9.22	0.00	7387577			



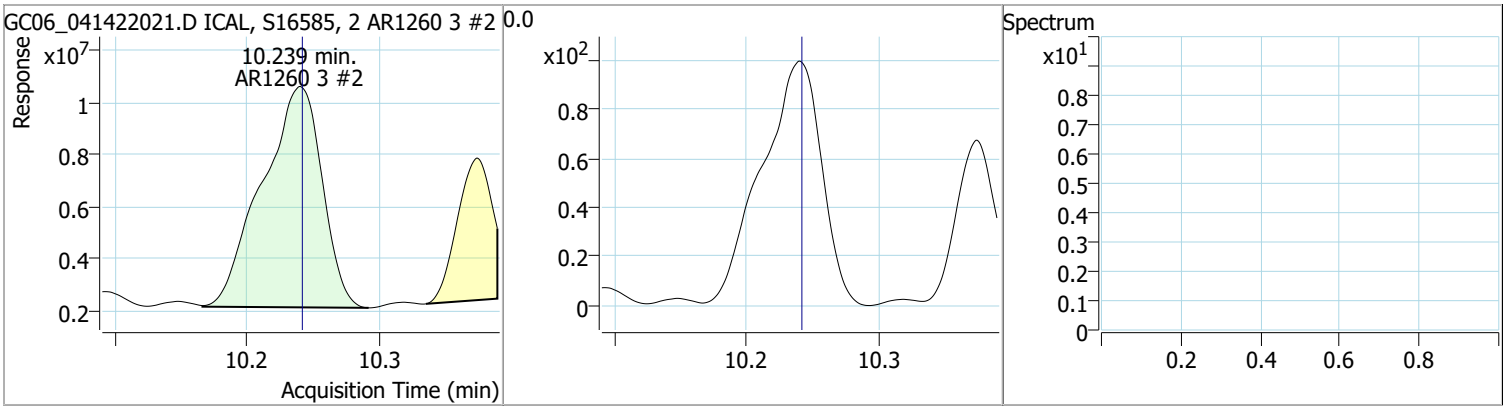
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	890.5584	9.65	0.00	19464462			



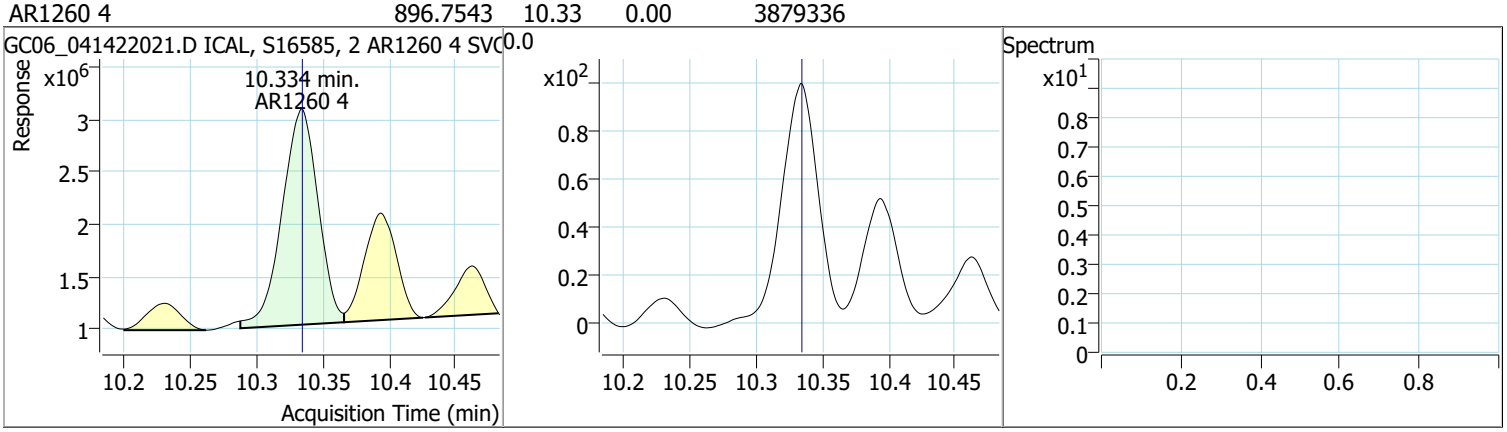
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	922.9298	9.76	0.00	8027982 (m)			



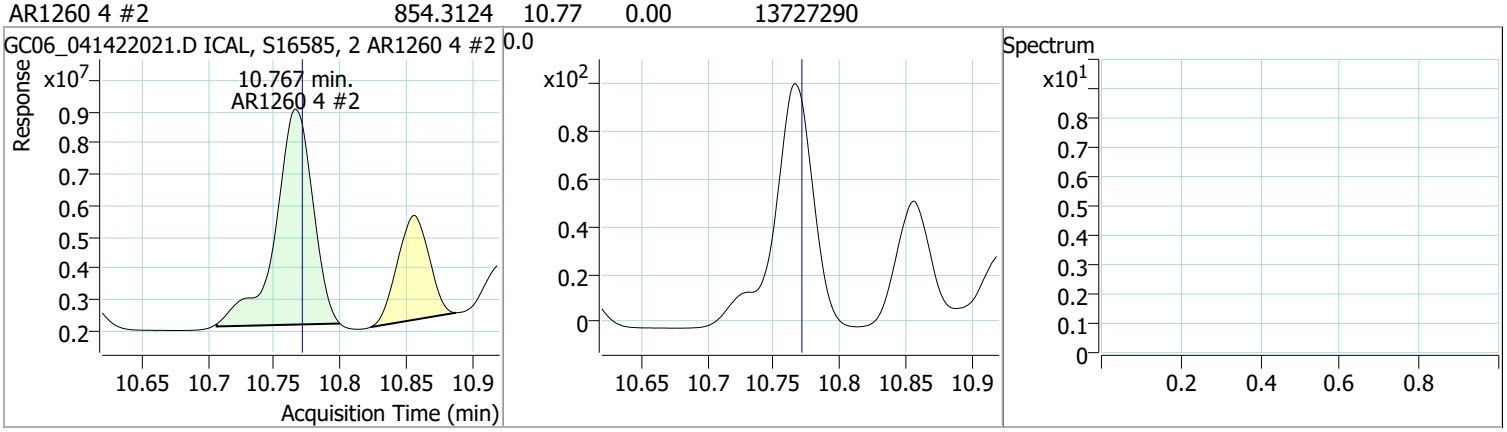
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	904.5572	10.24	0.00	26860418			



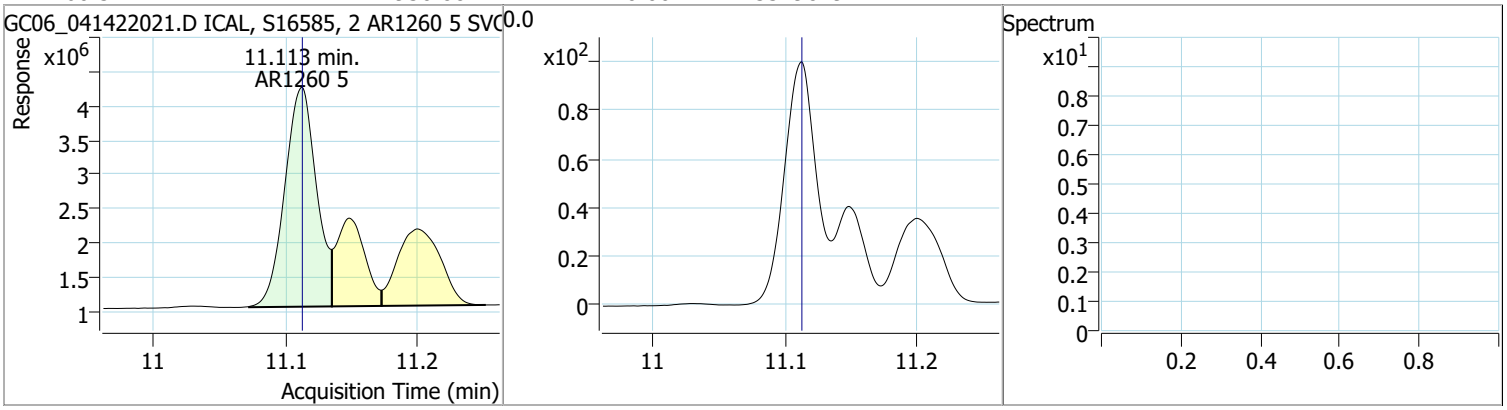
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	896.7543	10.33	0.00	3879336			



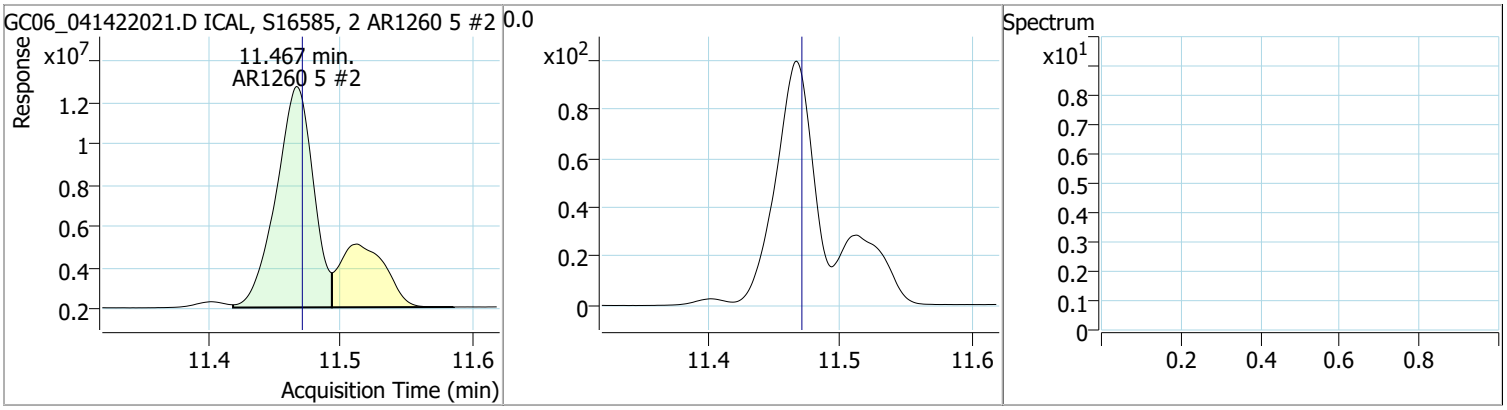
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	854.3124	10.77	0.00	13727290			



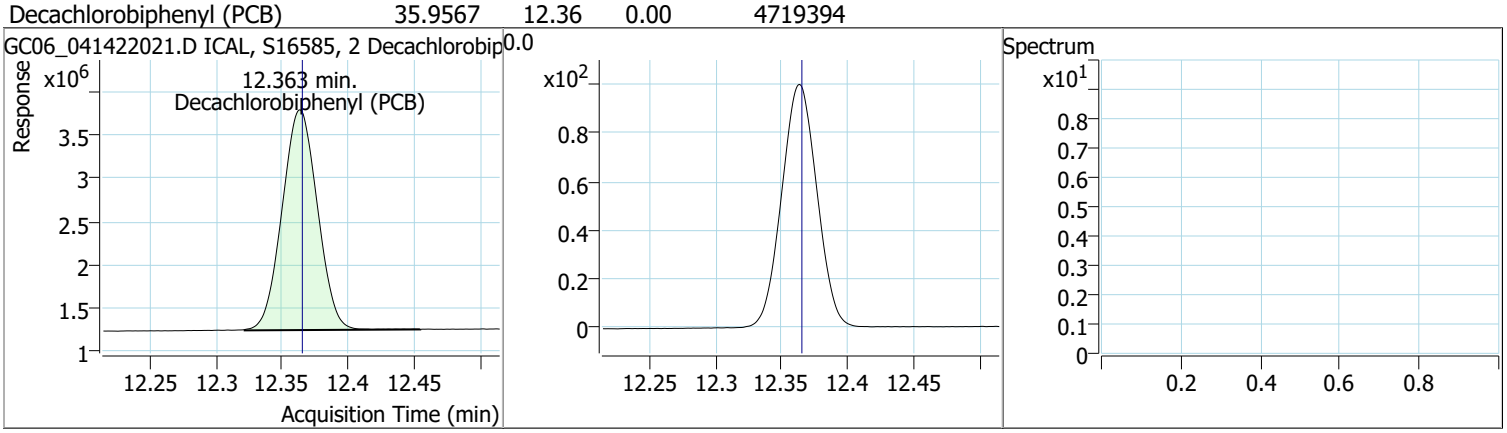
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	930.8812	11.11	0.00	5329819			



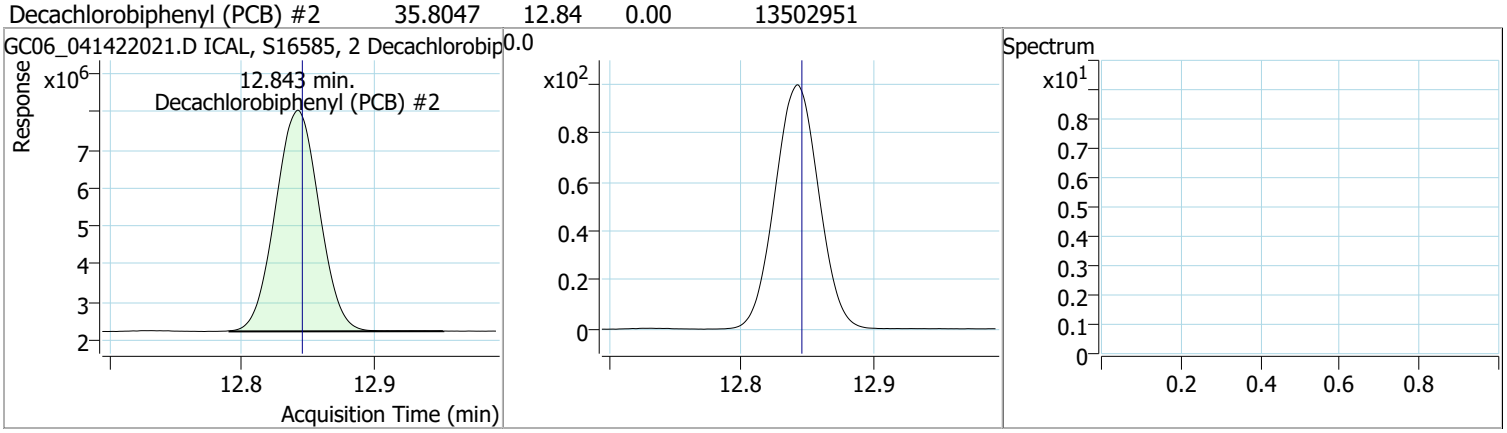
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	883.4334	11.47	0.00	20928472			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	35.9567	12.36	0.00	4719394			

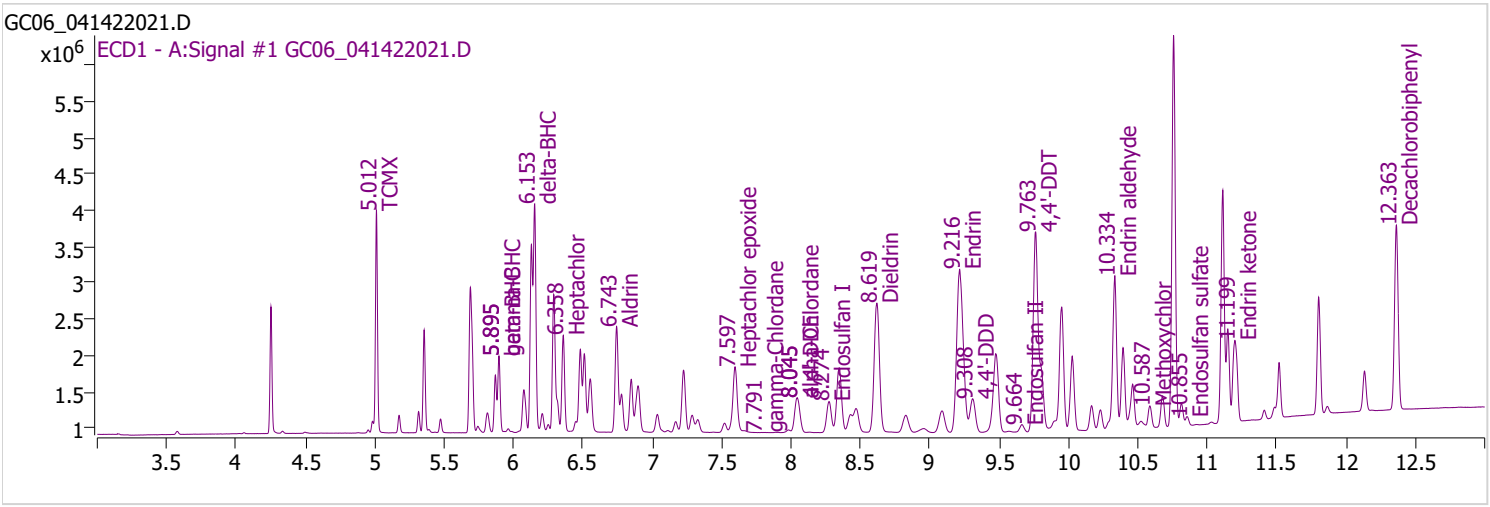


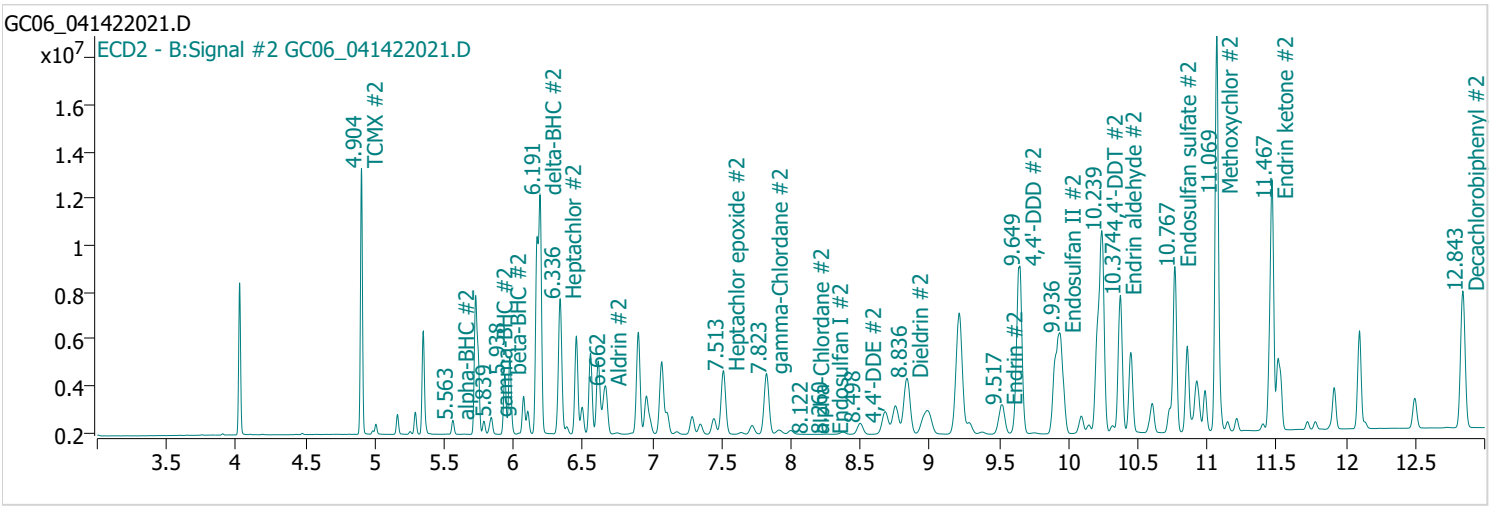
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	35.8047	12.84	0.00	13502951			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422021.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 8:26:46 PM
Sample Name	ICAL, S16585, 2	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 117	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 8:41:01 PM



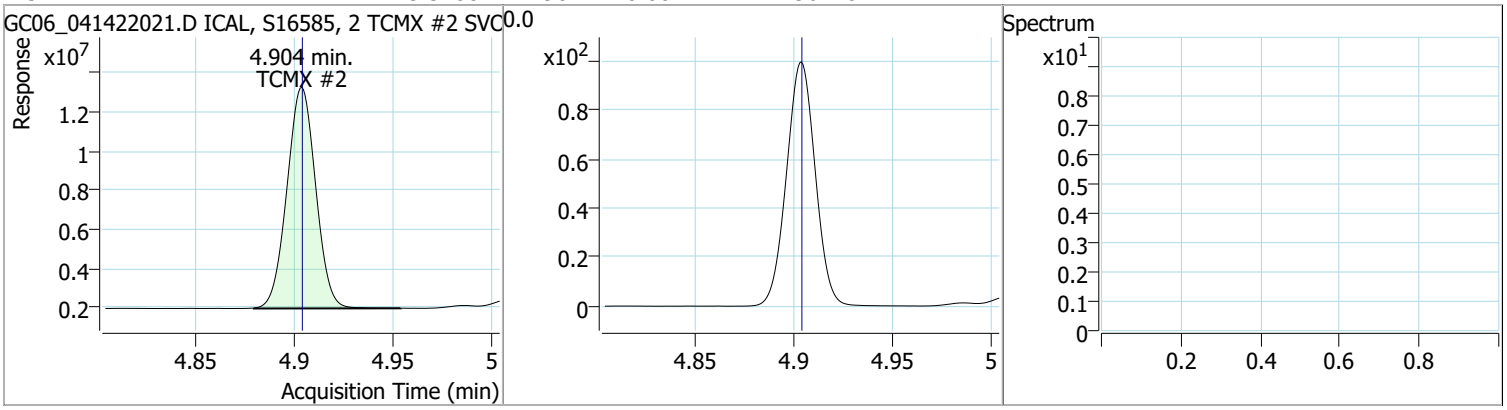


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.252	4.026	1705220	6237320	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.012	4.904	3158750	11436748	43.261	45.379	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	216.31% *	226.89% *	
S Decachlorobiphenyl	12.363	12.843	4708900	13481222	42.652	40.727	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	213.26% *	203.63% *	
Target Compounds							
T alpha-BHC	----	5.563 f	0	677720	N.D.	3.259 #	ng/ml
T gamma-BHC	5.895	5.839	1258227	1016202	19.400	4.801 #	ng/ml
T beta-BHC	5.895	5.938	1248074	3295961	36.476	25.558 #	ng/ml
T delta-BHC	6.153	6.191	4030553	25296848	43.626	54.949 #	ng/ml
T Heptachlor	6.358	6.336	1644144	10093516	23.861	33.141 #	ng/ml
T Aldrin	6.743	6.662 f	2292942	4639458	30.597	20.409 #	ng/ml
T Heptachlor epoxide	7.597	7.513	1939346	5680328	27.101	23.252	ng/ml
T gamma-Chlordane	7.791	7.823	1248	6263878	0.024	23.585 #	ng/ml
T alpha-Chlordane	8.045	8.122	784249	670	13.887	0.004 #	ng/ml

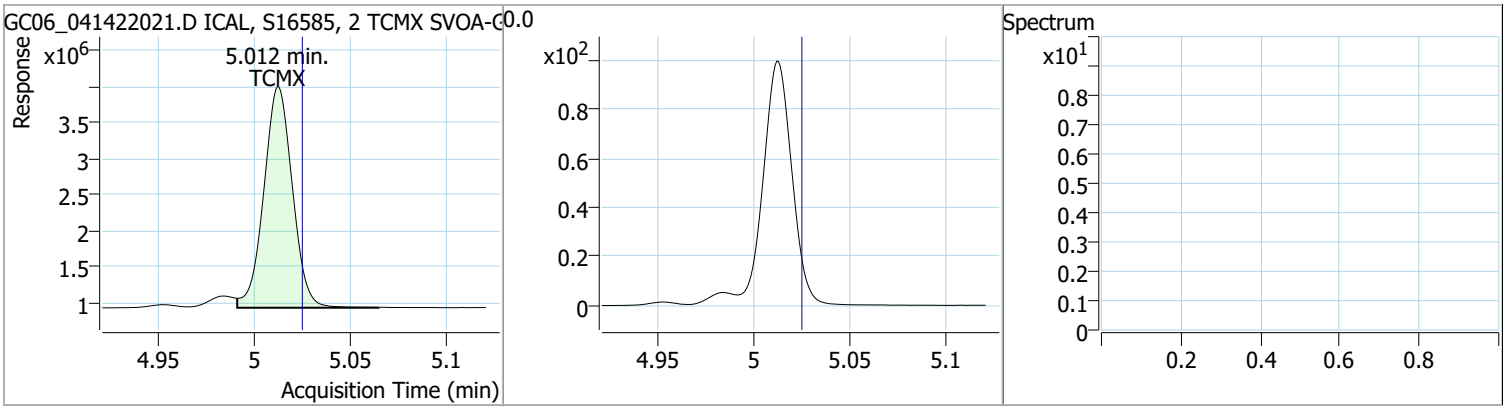
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.274	8.260	987150	29273	18.316	0.170 #	ng/ml
T 4,4'-DDE	8.045	8.498 f	1192619	1323530	21.697	7.827 #	ng/ml
T Dieldrin	8.619	8.836	4757019	6645238	62.667	31.893 #	ng/ml
T Endrin	9.216	9.517	6874073	3668606	83.813	20.156 #	ng/ml
T 4,4'-DDD	9.308	9.649 f	721711	17662285	18.058	90.039 #	ng/ml
T Endosulfan II	9.664	9.936 f	211278	18596498	4.222	70.312 #	ng/ml
T 4,4'-DDT	9.763	10.239	7825709	26703508	119.179	87.819 #	ng/ml
T Endrin aldehyde	10.334	10.374	3615488	11626546	68.488	61.806	ng/ml
T Endosulfan sulfate	10.855	10.767	106741	14667492	2.409	66.646 #	ng/ml
T Methoxychlor	10.587	11.069 f	491010	29283753	18.261	240.145 #	ng/ml
T Endrin ketone	11.199	11.467 f	1997888	19548666	31.690	69.601 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

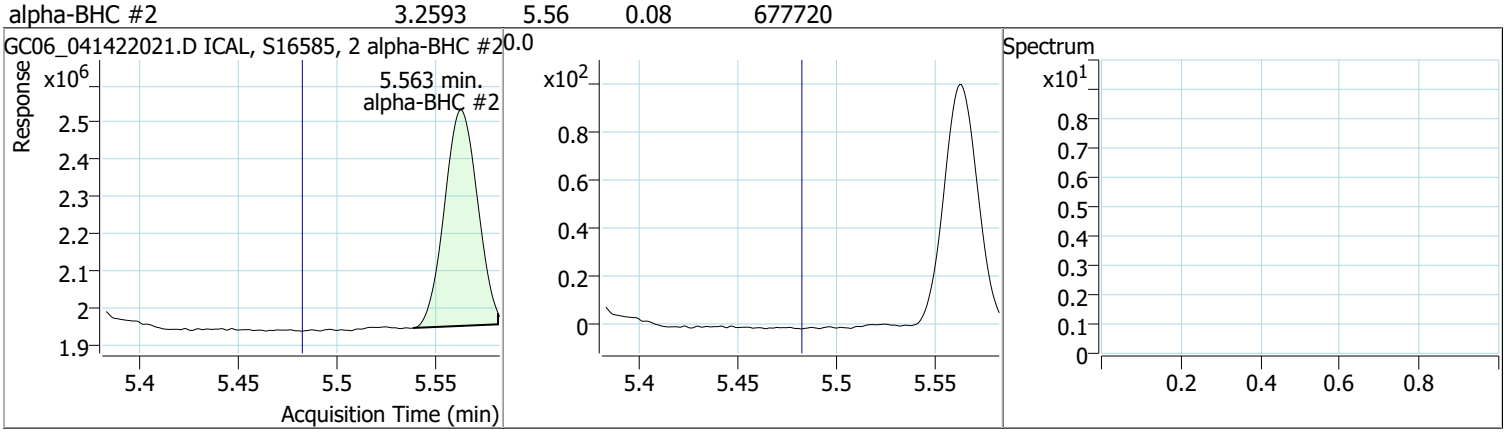
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	45.3788	4.90	0.00	11436748			



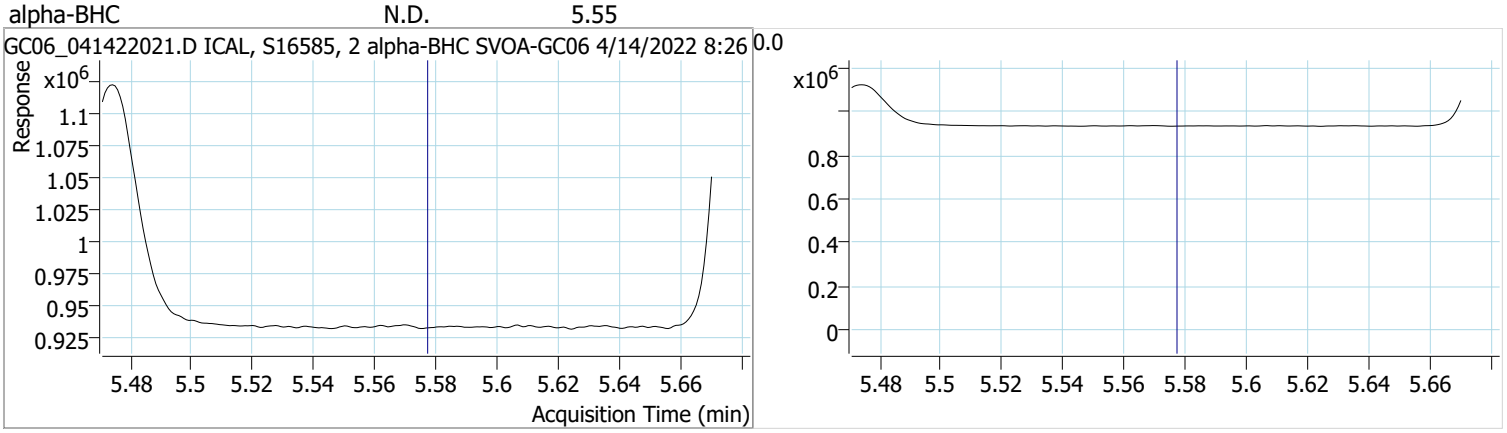
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	43.2613	5.01	0.01	3158750			



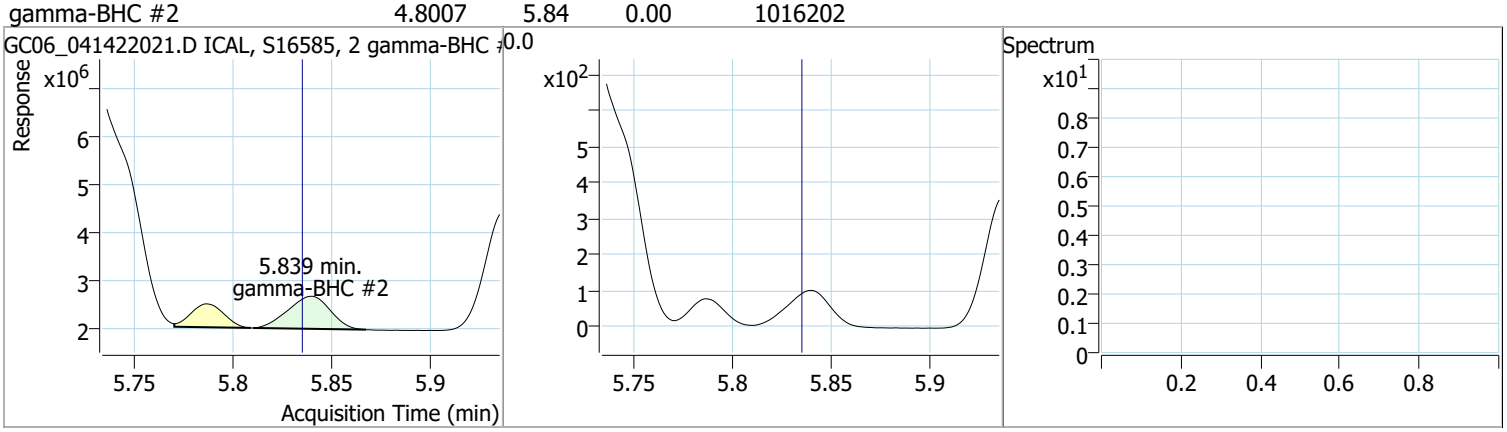
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	3.2593	5.56	0.08	677720			



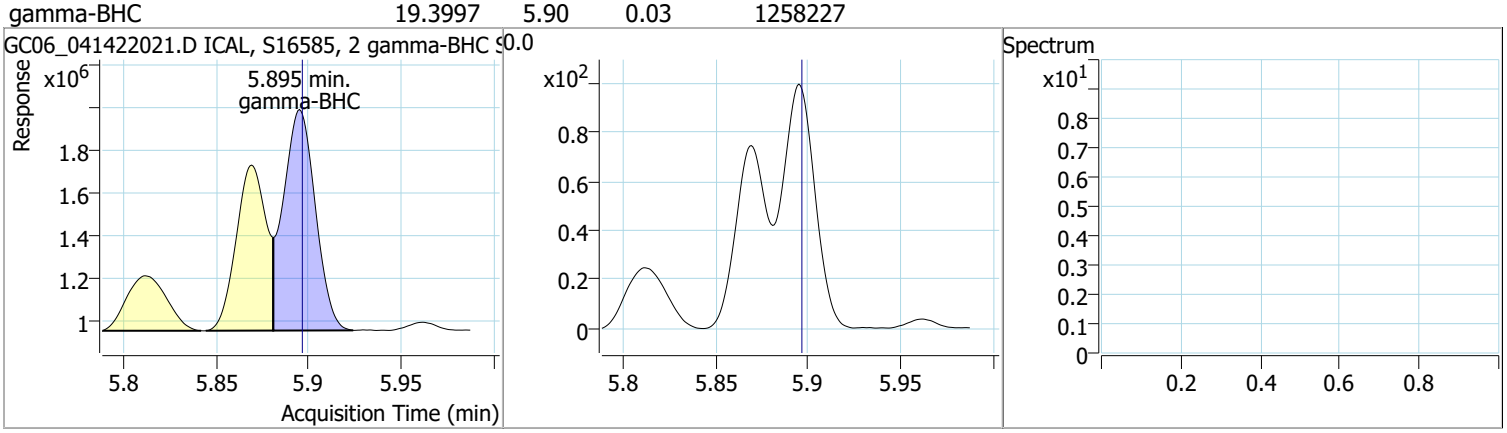
Compound	Conc.		Exp Ratio
alpha-BHC	N.D.	5.55	



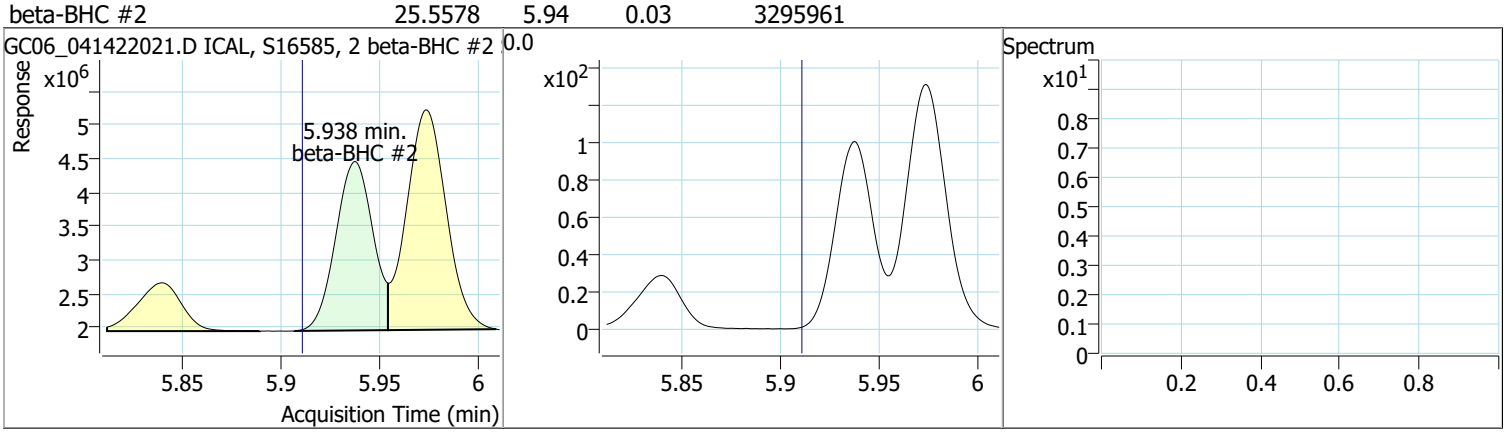
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	4.8007	5.84	0.00	1016202			



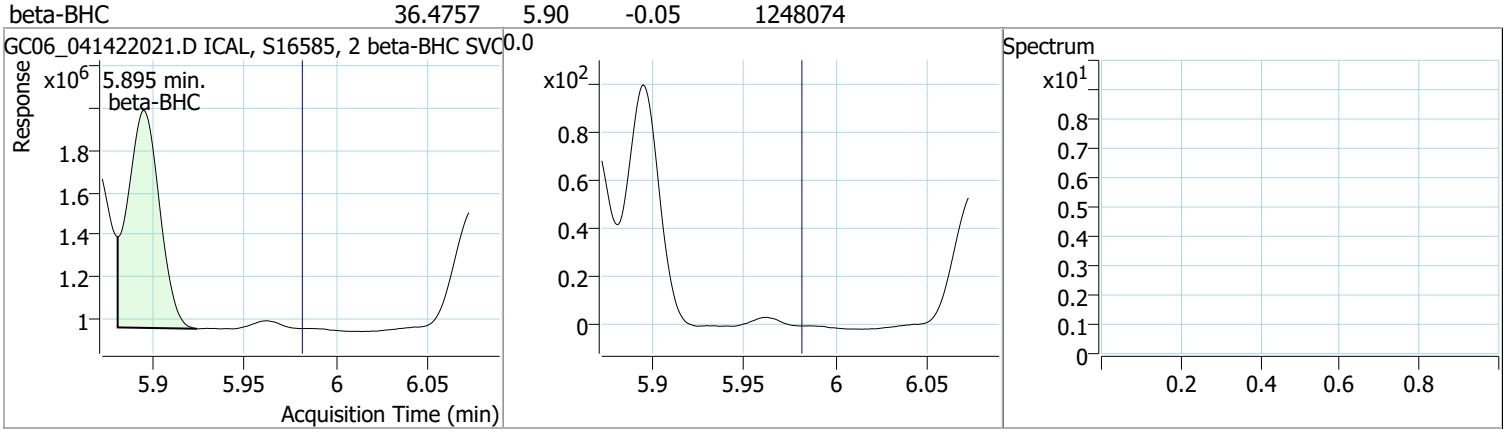
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	19.3997	5.90	0.03	1258227			



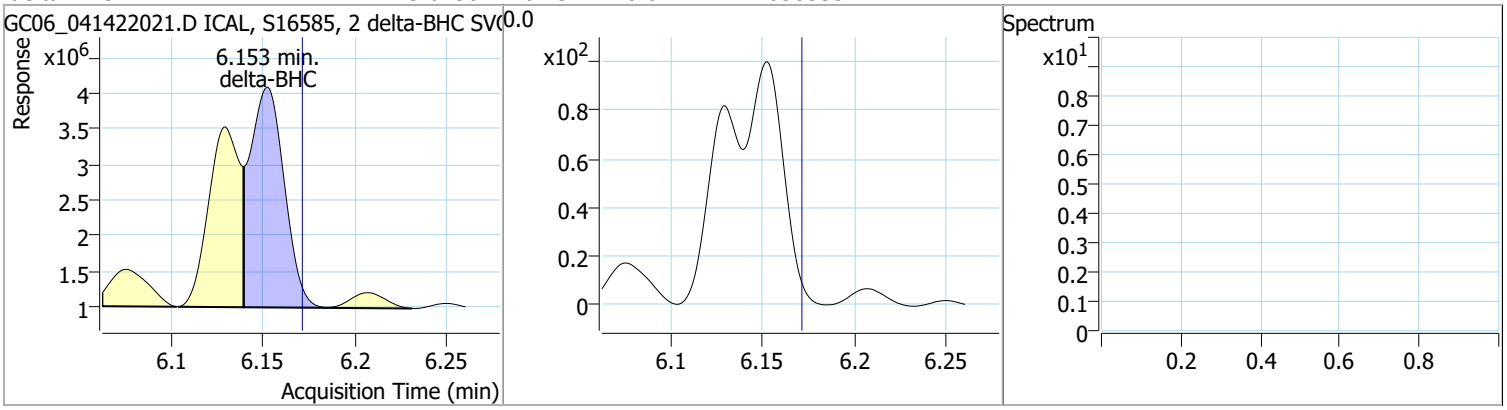
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	25.5578	5.94	0.03	3295961			



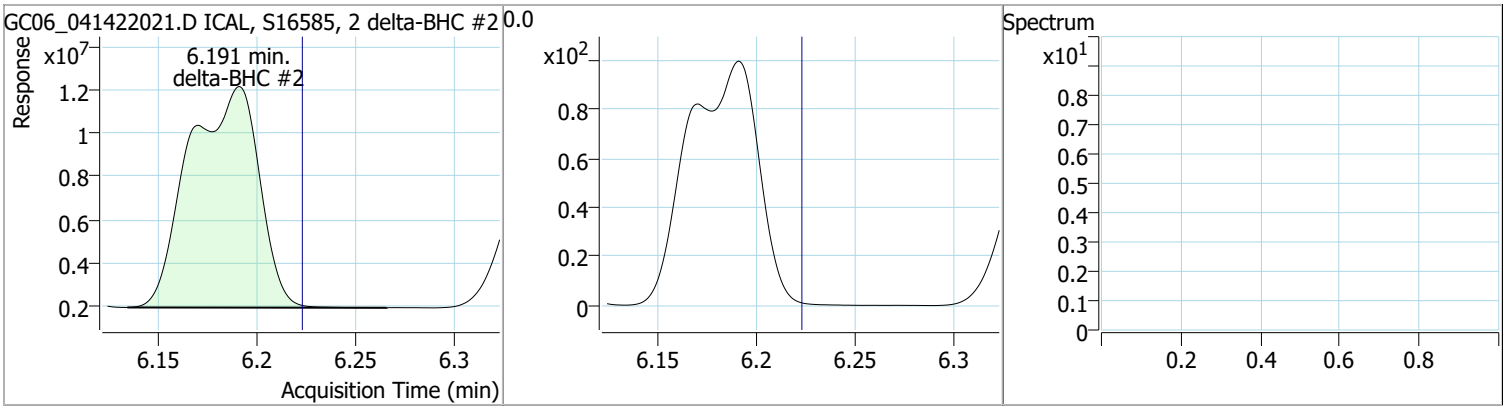
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	36.4757	5.90	-0.05	1248074			



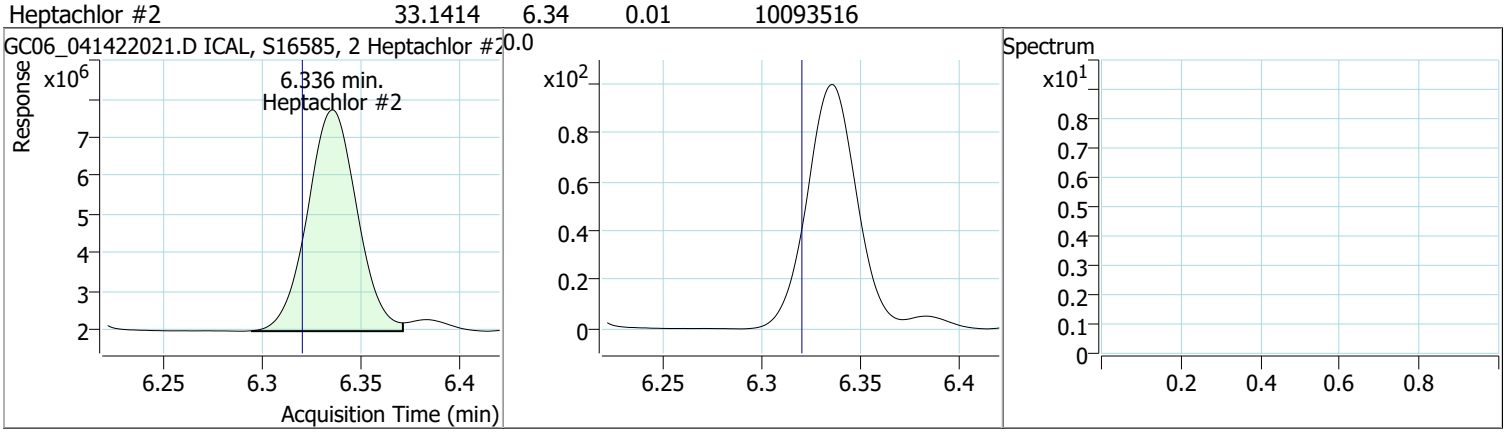
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	43.6258	6.15	0.01	4030553			



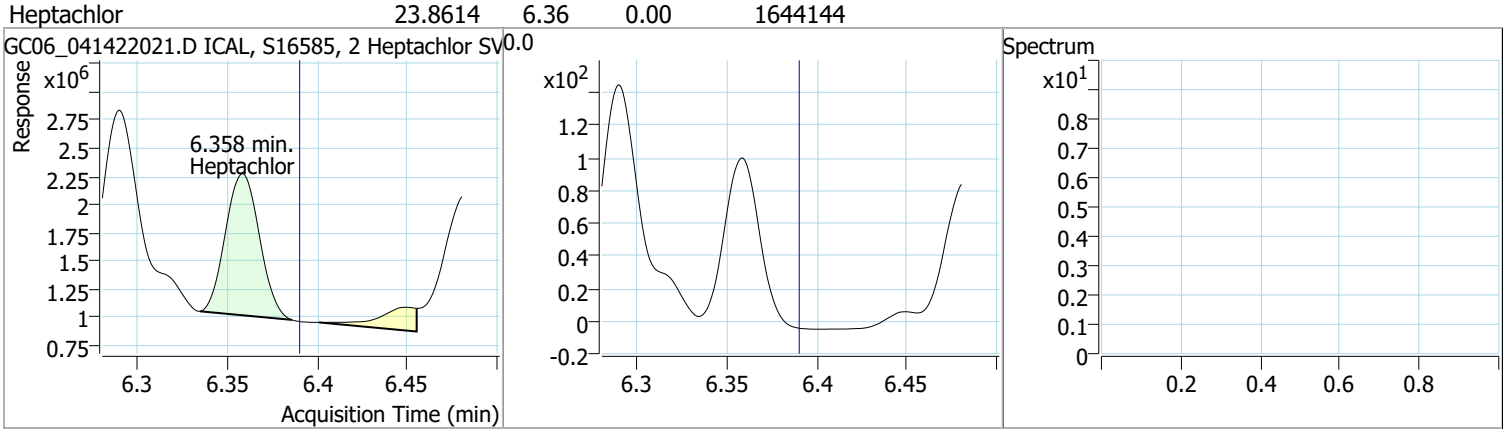
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	54.9494	6.19	-0.03	25296848			



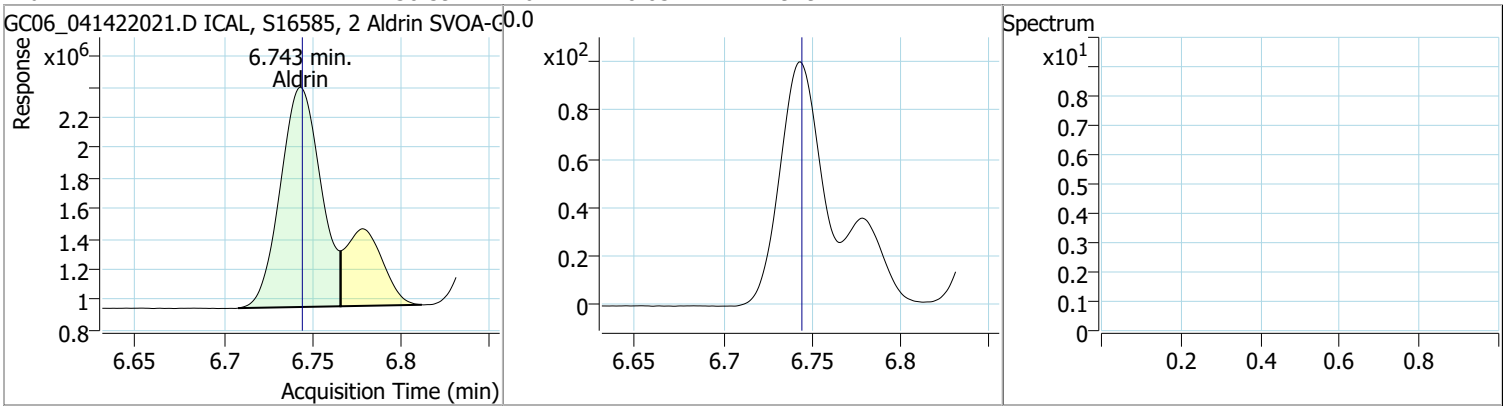
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	33.1414	6.34	0.01	10093516			



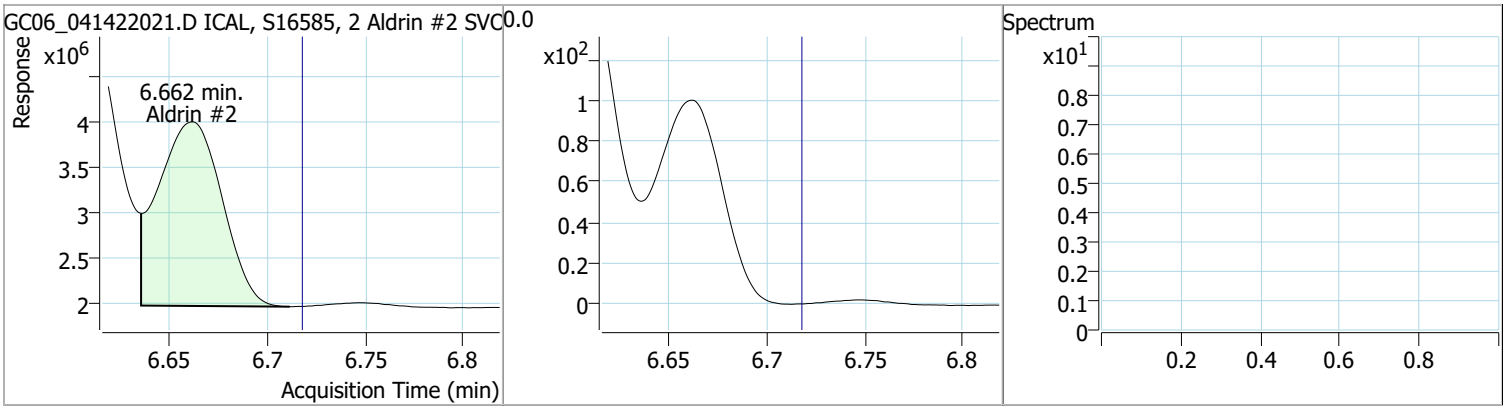
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	23.8614	6.36	0.00	1644144			



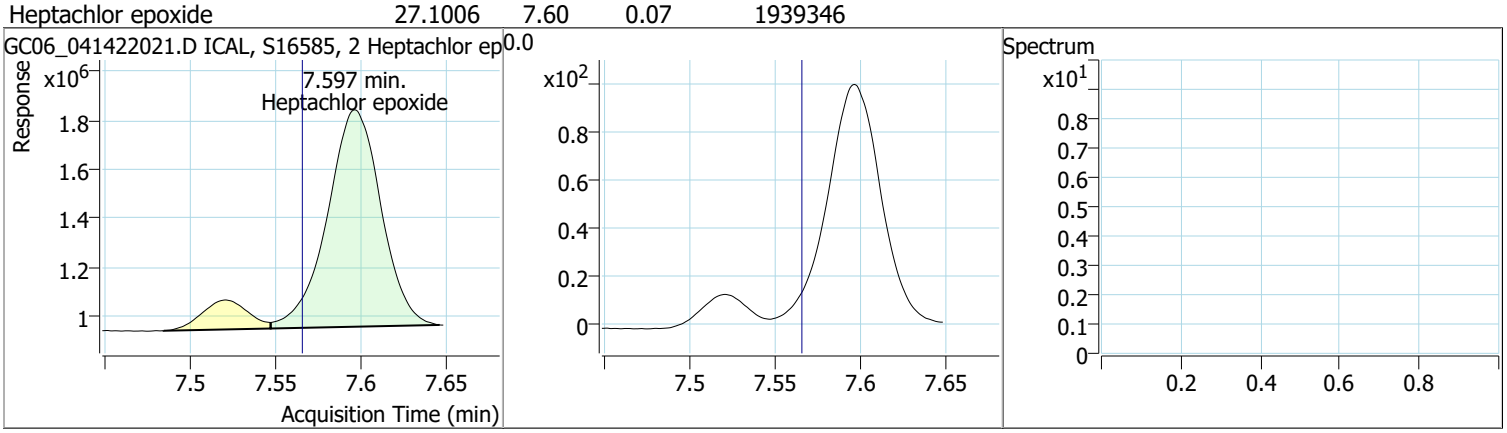
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	30.5971	6.74	0.03	2292942			



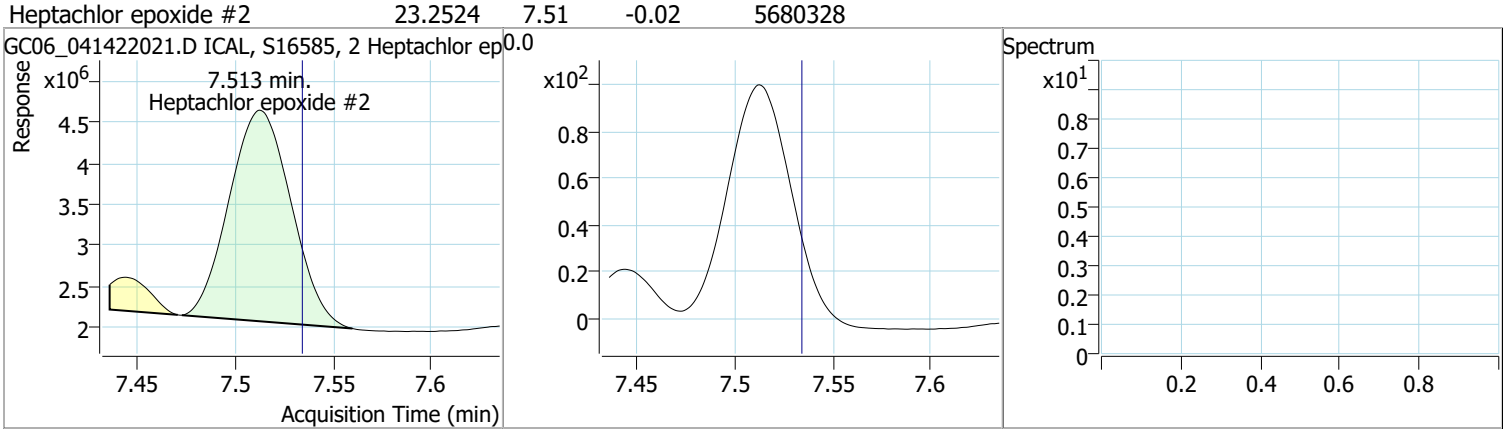
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	20.4087	6.66	-0.06	4639458			



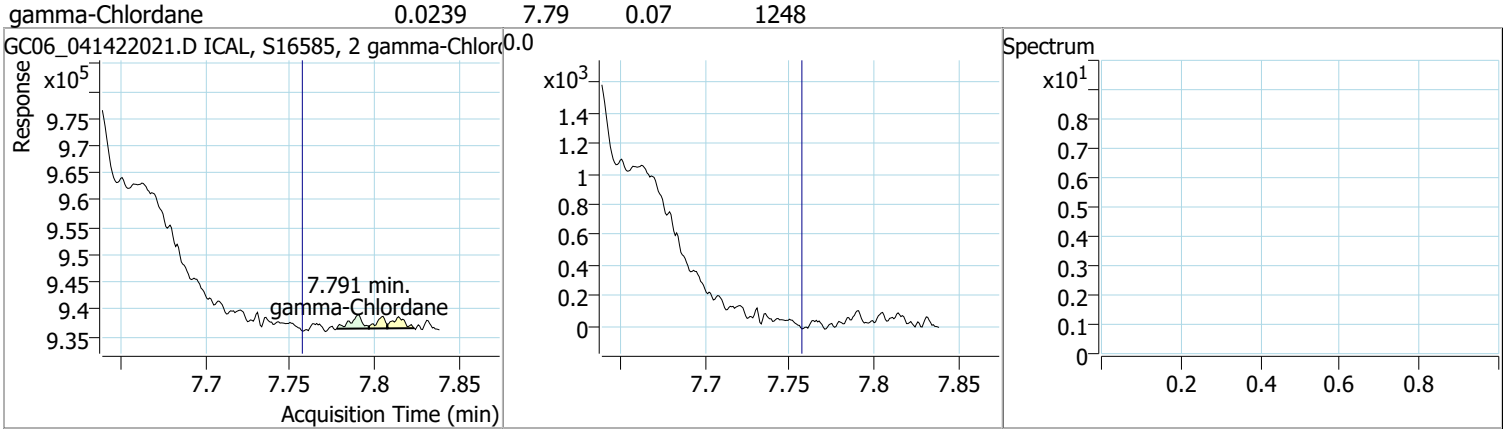
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	27.1006	7.60	0.07	1939346			



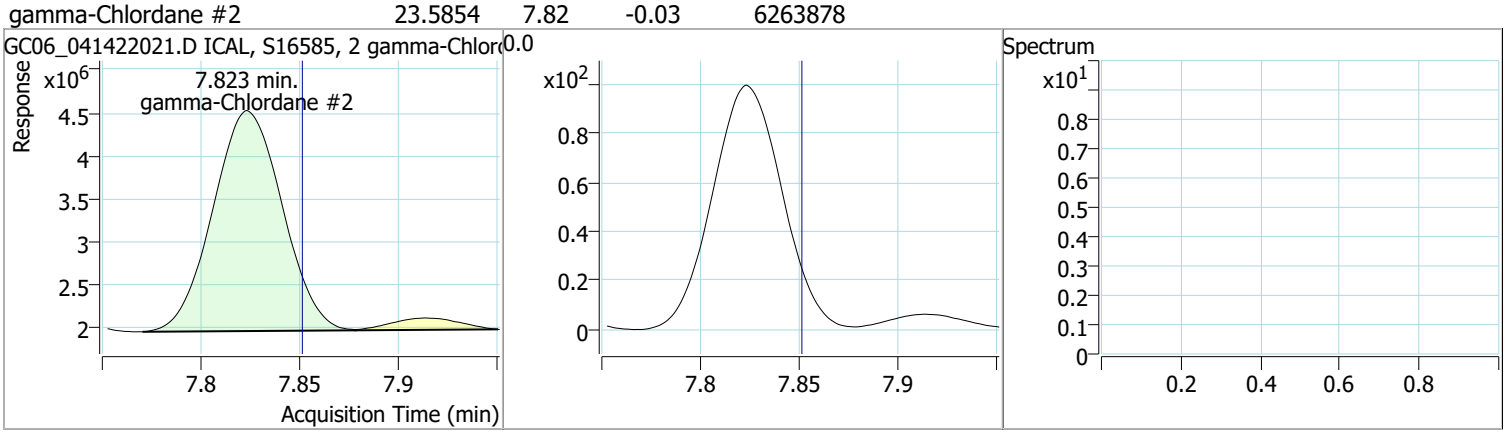
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	23.2524	7.51	-0.02	5680328			



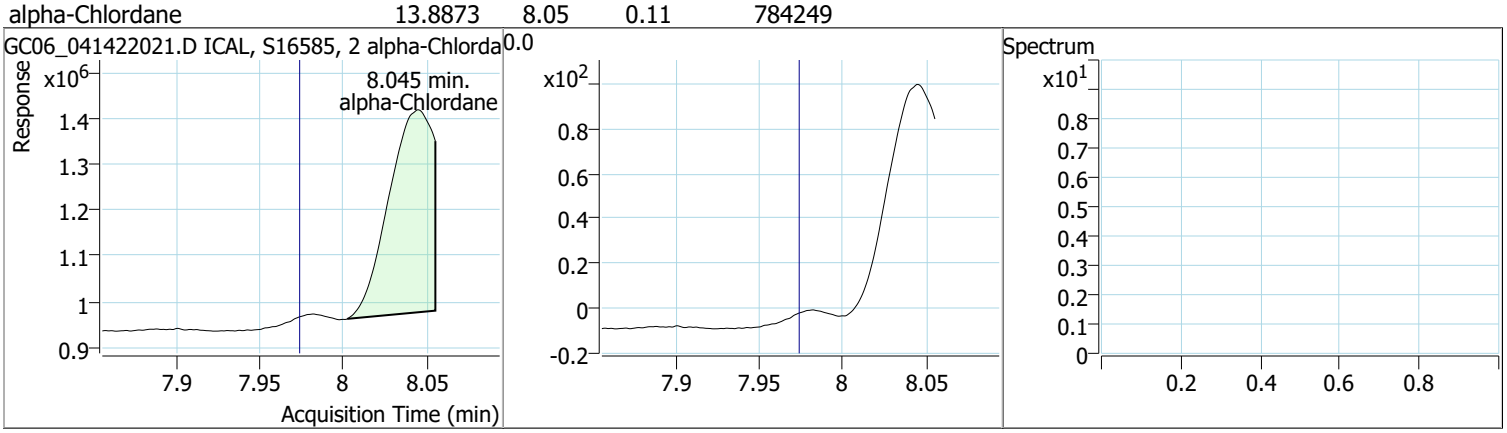
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.0239	7.79	0.07	1248			



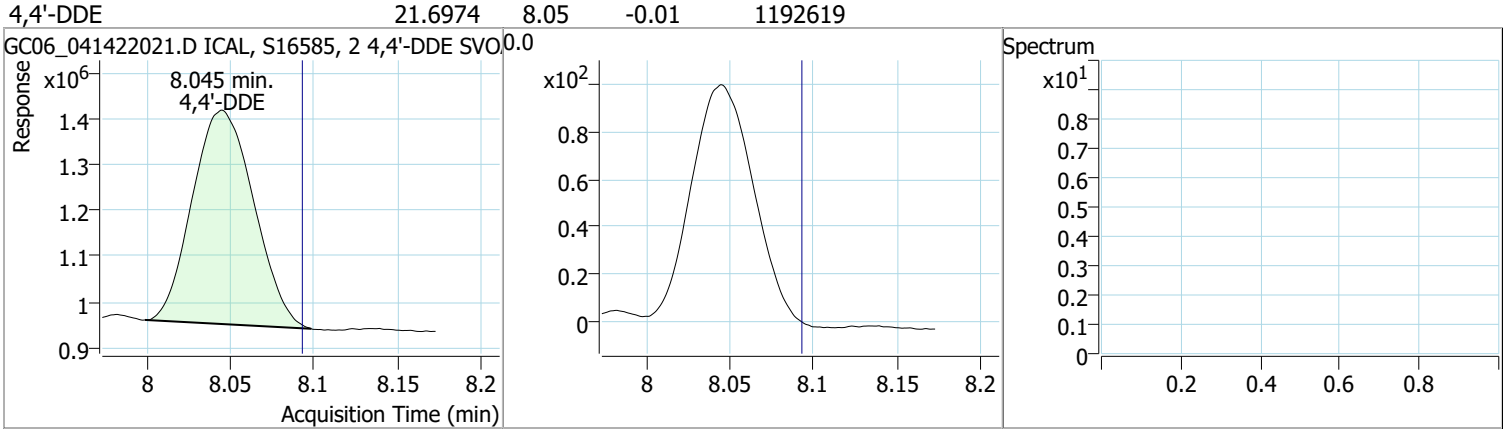
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	23.5854	7.82	-0.03	6263878			



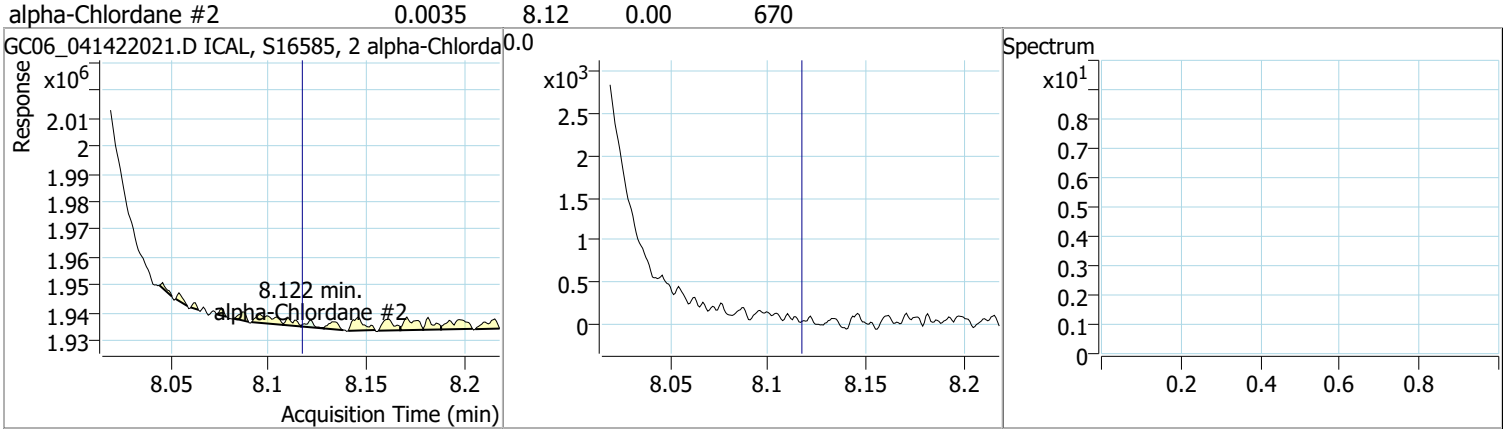
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	13.8873	8.05	0.11	784249			



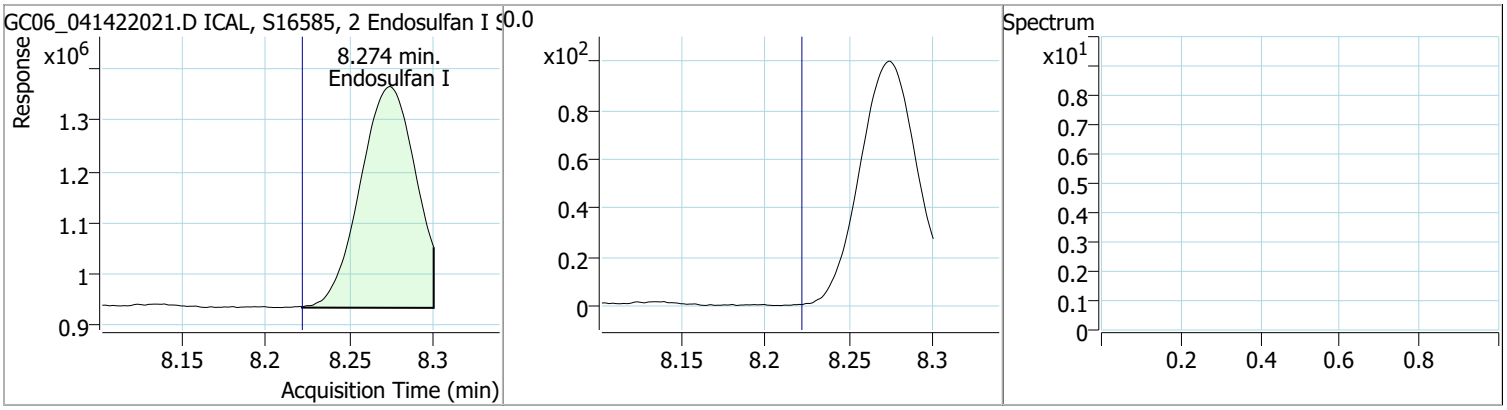
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	21.6974	8.05	-0.01	1192619			



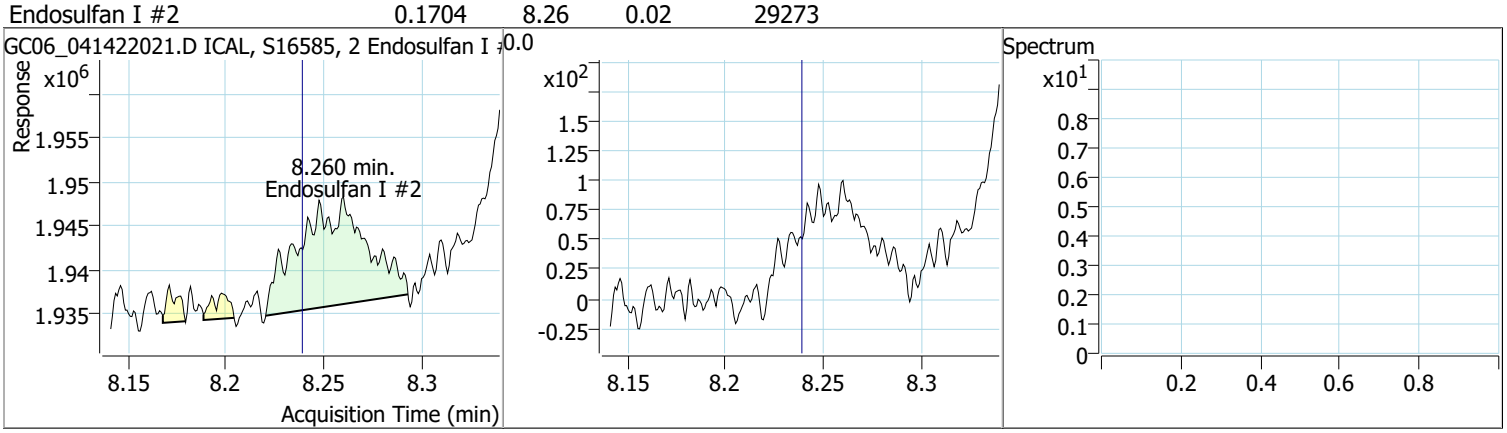
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane #2	0.0035	8.12	0.00	670			



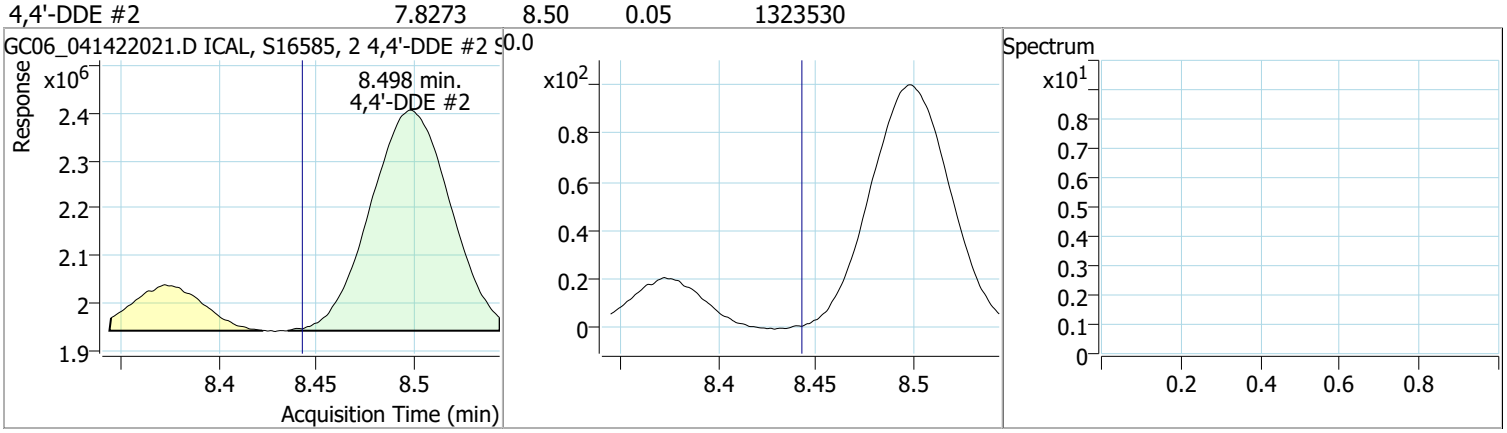
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	18.3161	8.27	0.10	987150			



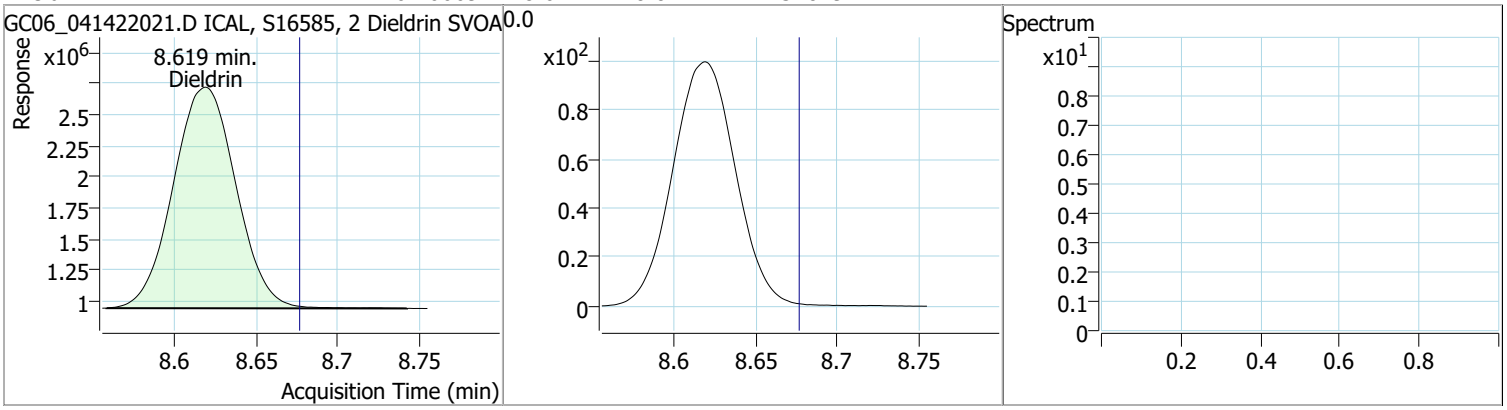
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I #2	0.1704	8.26	0.02	29273			



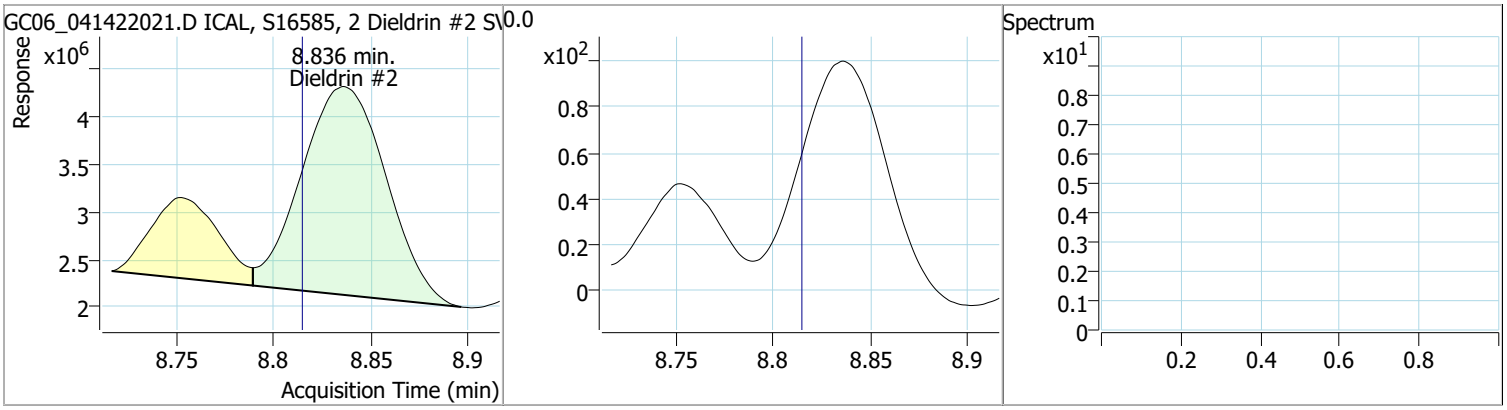
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	7.8273	8.50	0.05	1323530			



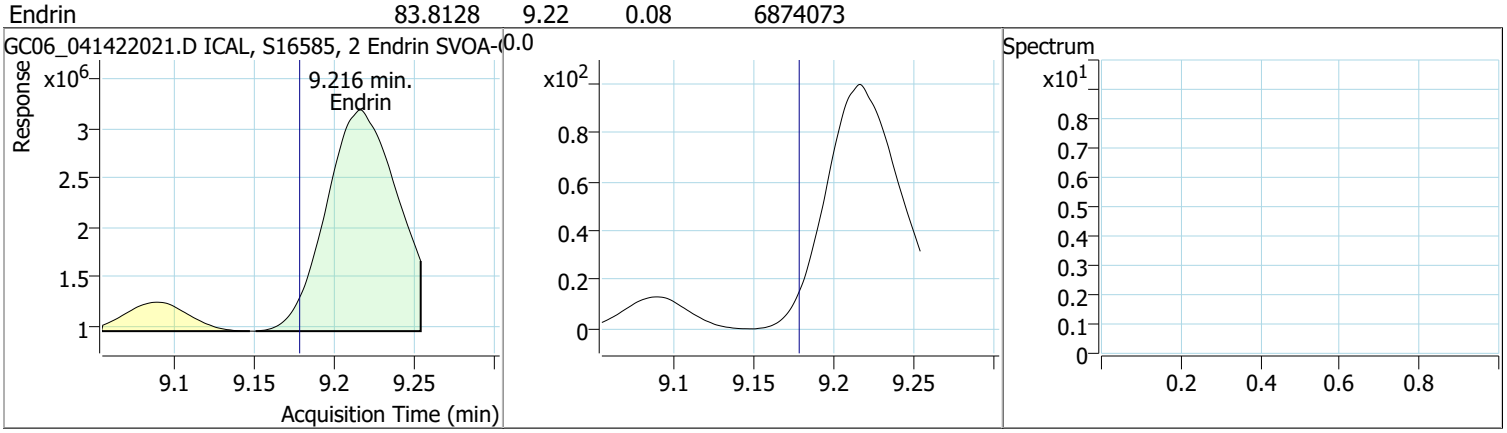
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin	62.6669	8.62	-0.01	4757019			



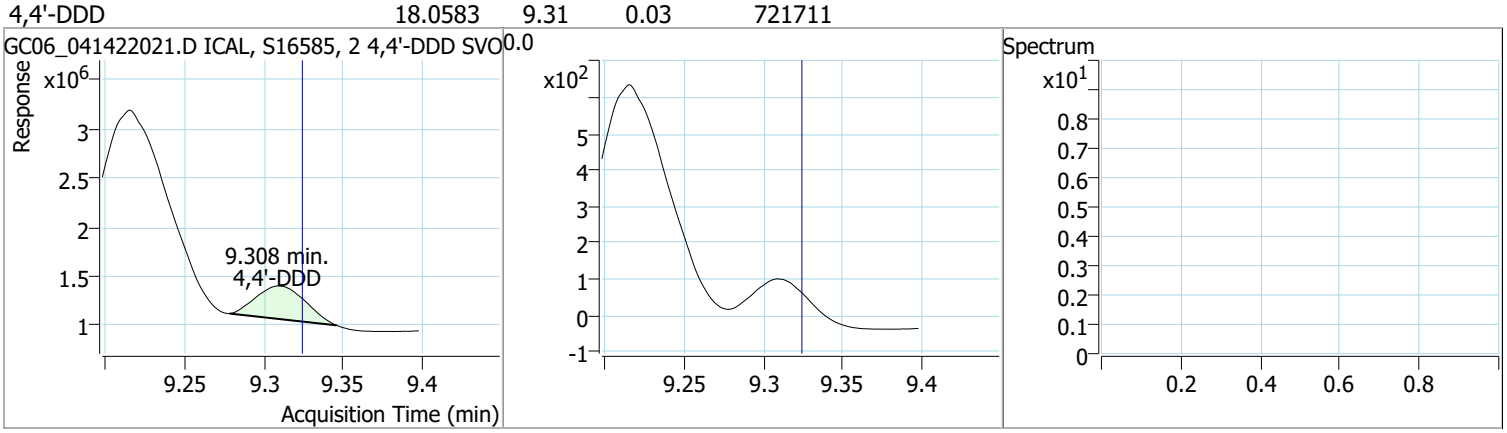
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	31.8934	8.84	0.02	6645238			



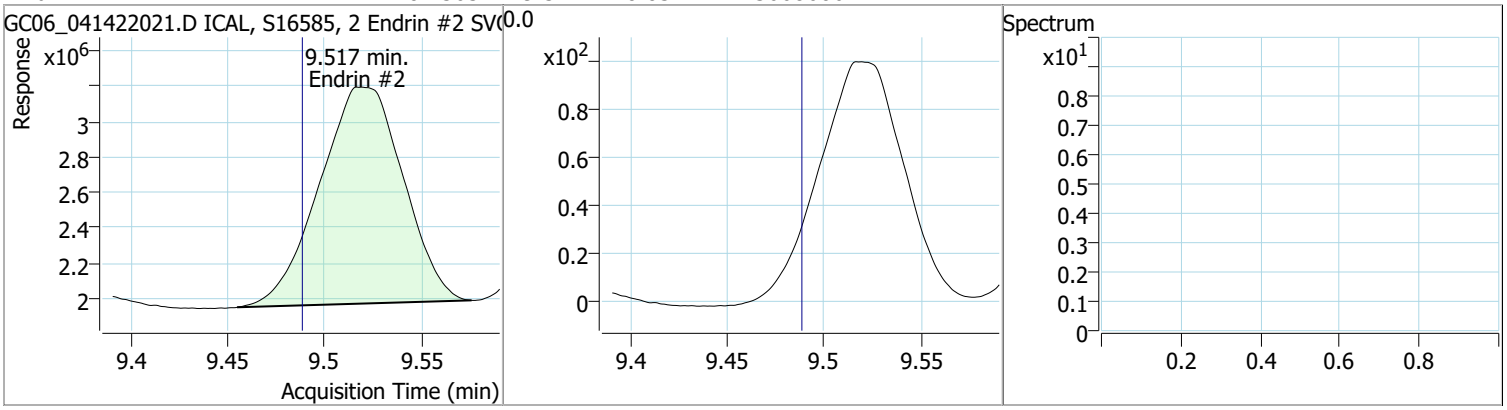
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin	83.8128	9.22	0.08	6874073			



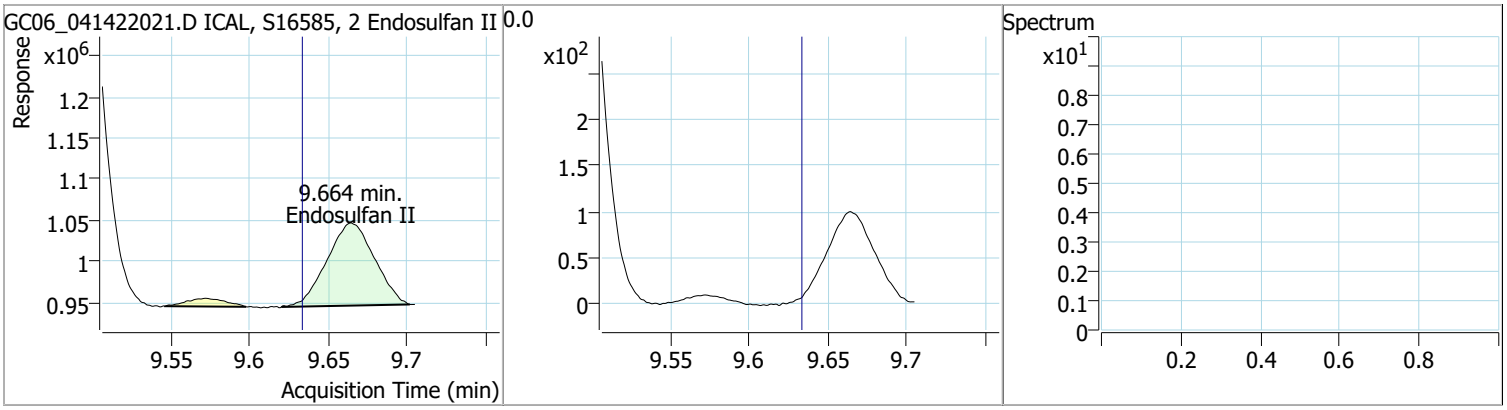
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	18.0583	9.31	0.03	721711			



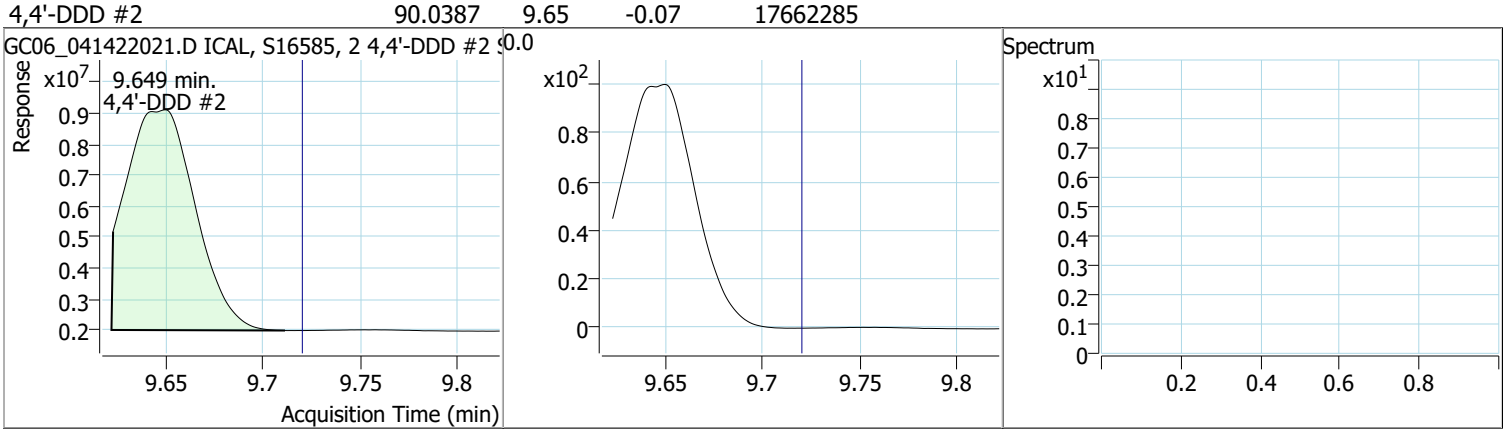
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin #2	20.1565	9.52	0.03	3668606			



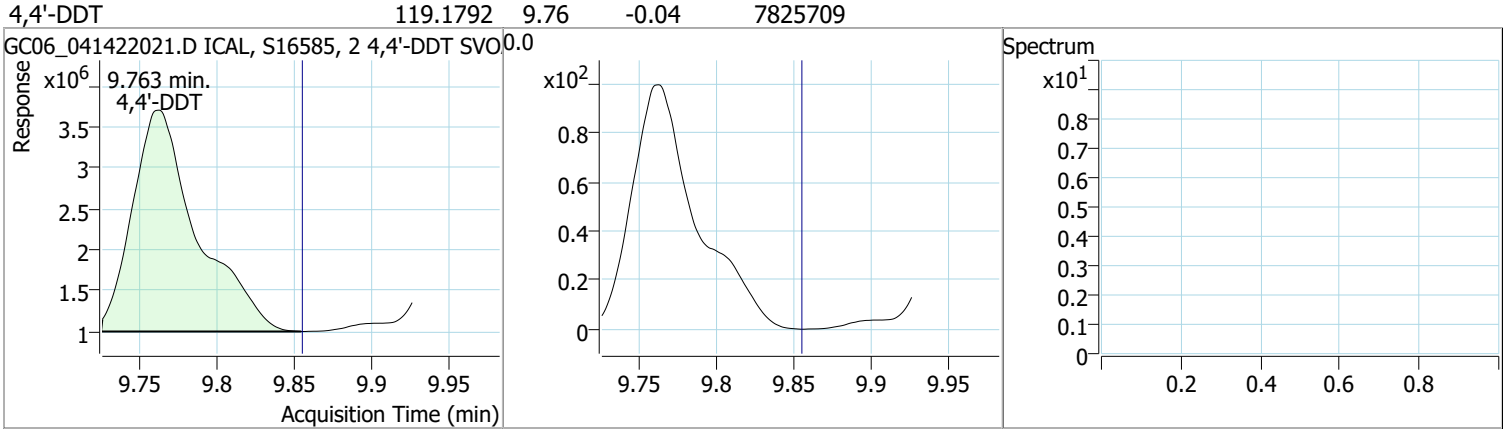
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II	4.2221	9.66	0.08	211278			



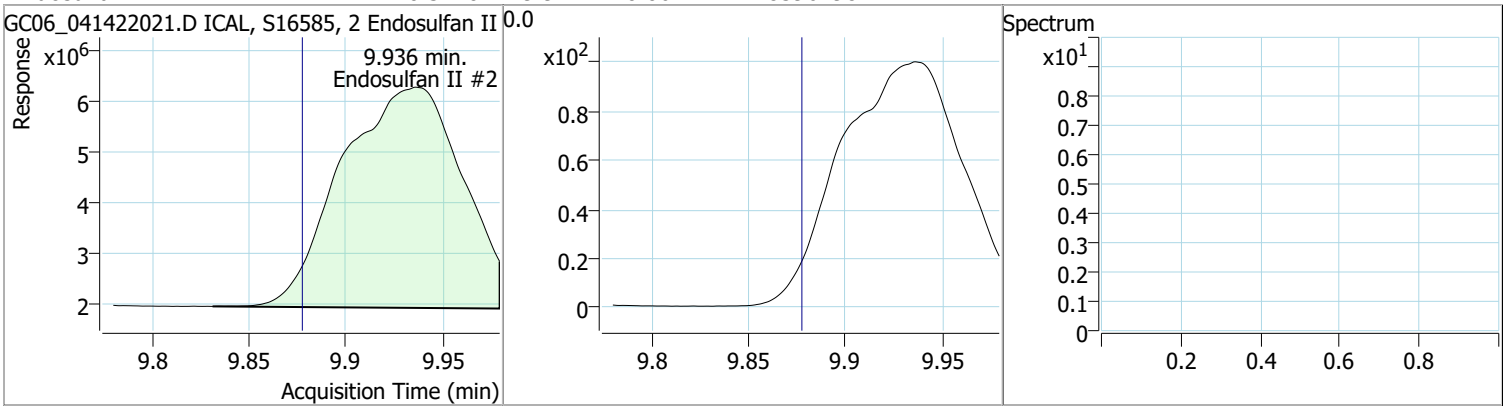
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	90.0387	9.65	-0.07	17662285			



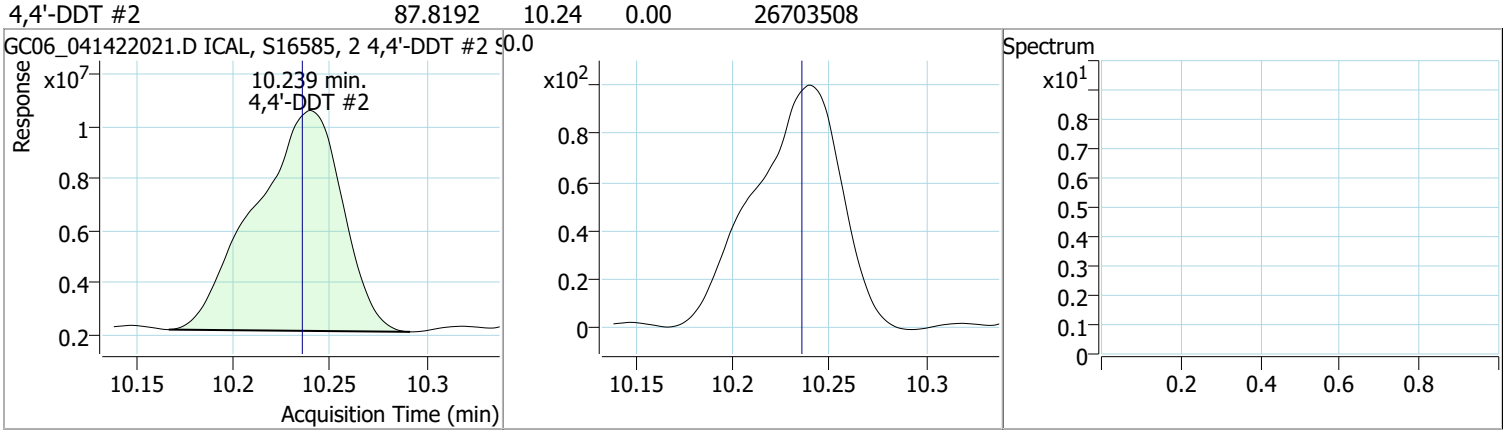
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	119.1792	9.76	-0.04	7825709			



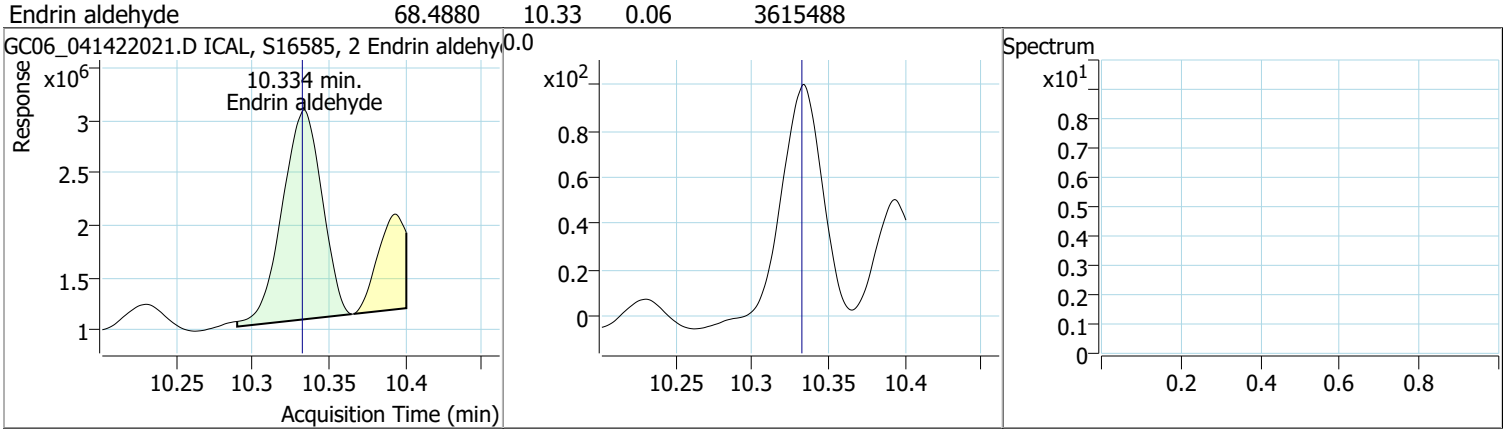
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	70.3120	9.94	0.06	18596498			



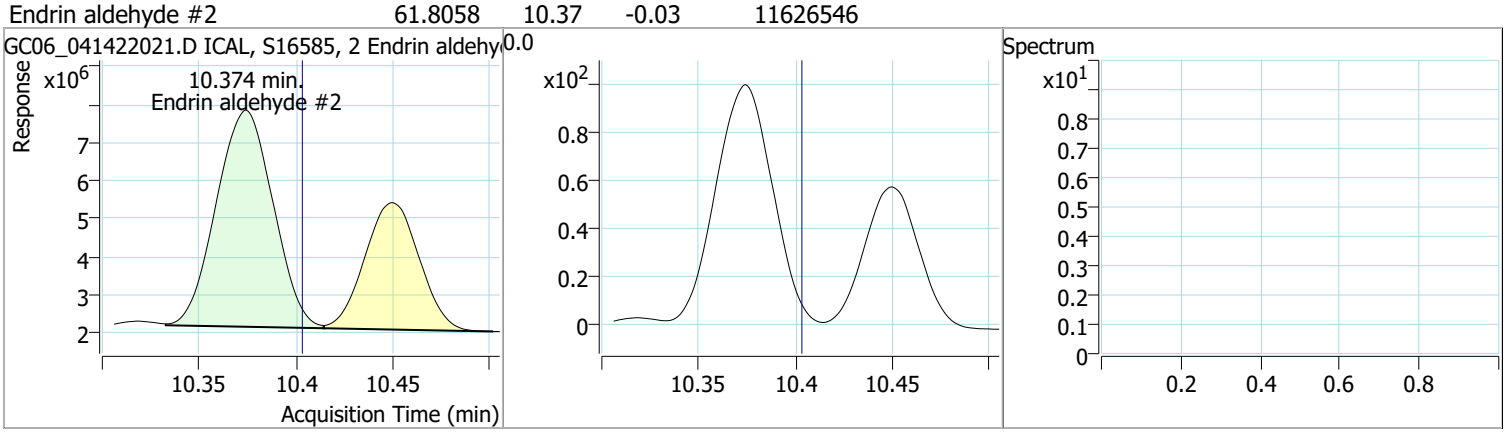
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	87.8192	10.24	0.00	26703508			



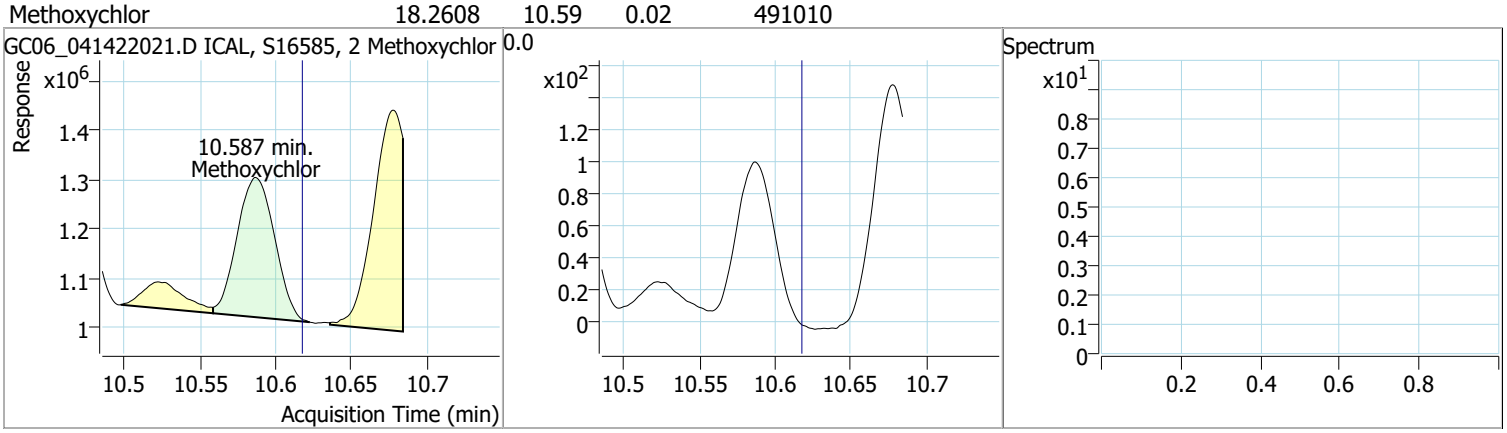
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	68.4880	10.33	0.06	3615488			



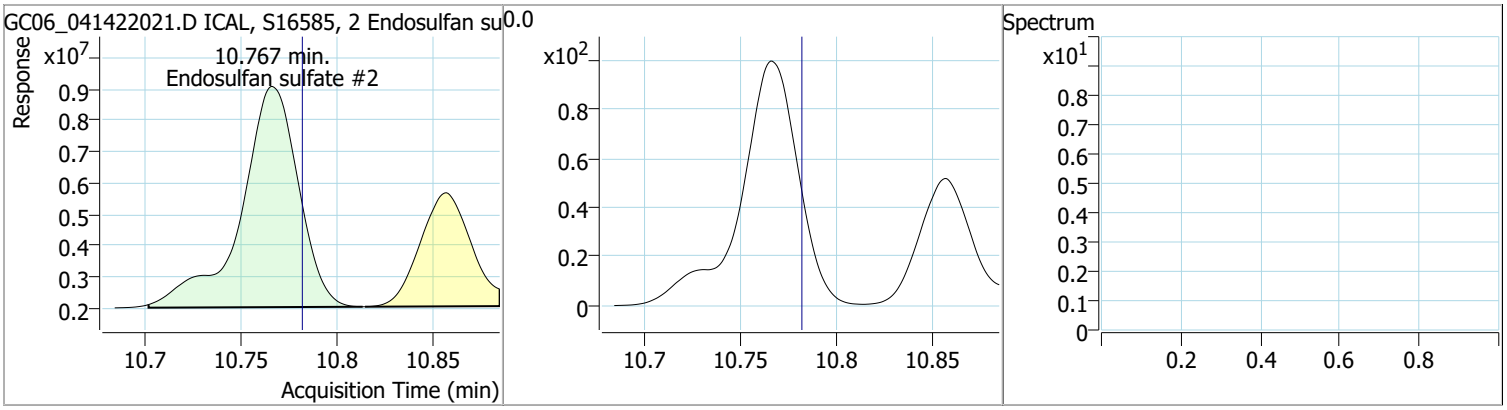
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	61.8058	10.37	-0.03	11626546			



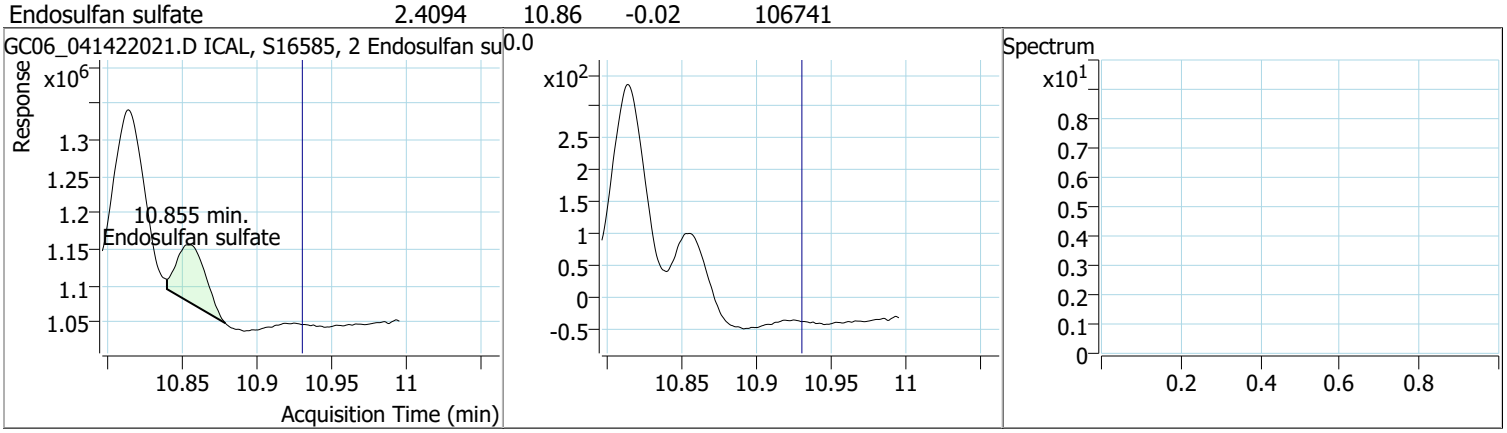
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	18.2608	10.59	0.02	491010			



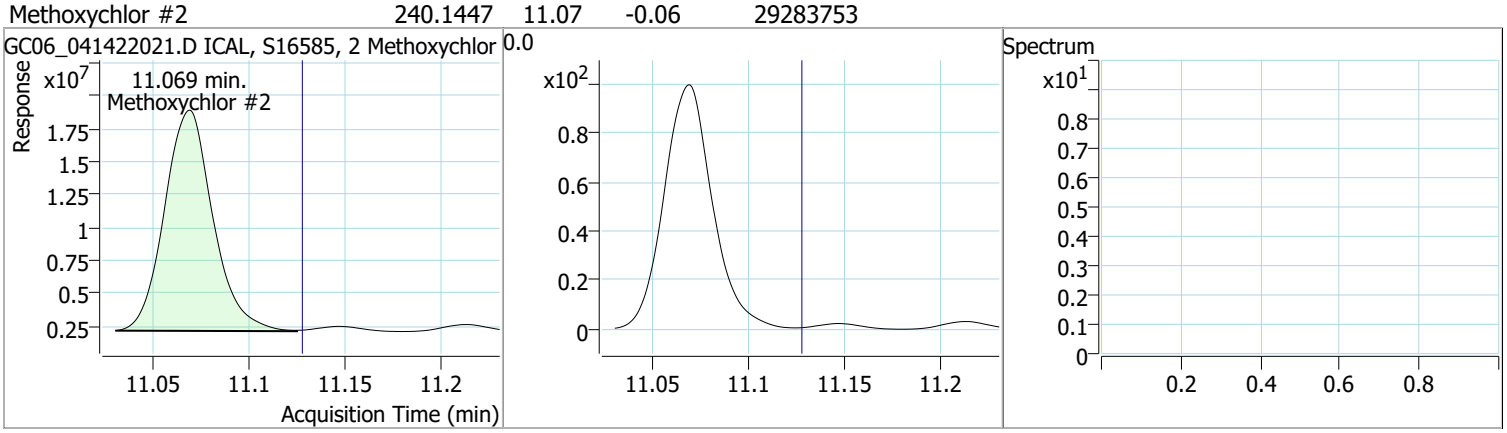
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	66.6457	10.77	-0.02	14667492			



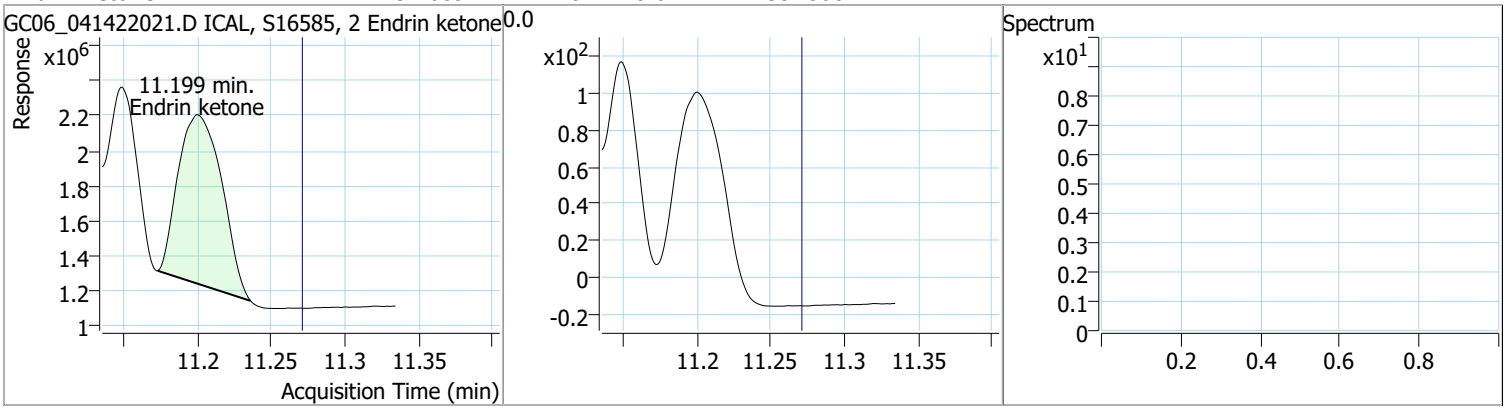
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	2.4094	10.86	-0.02	106741			



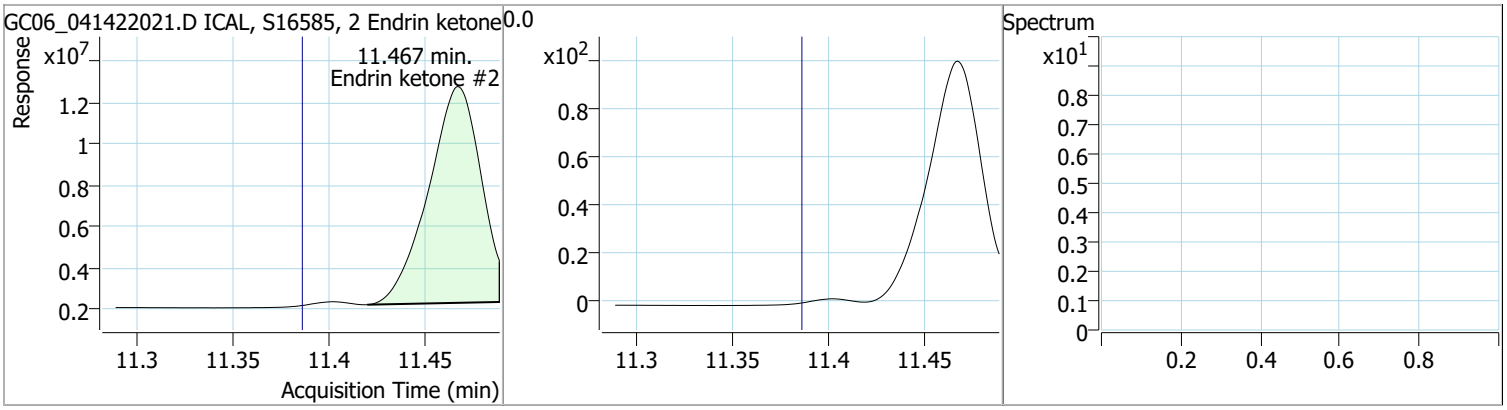
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	240.1447	11.07	-0.06	29283753			



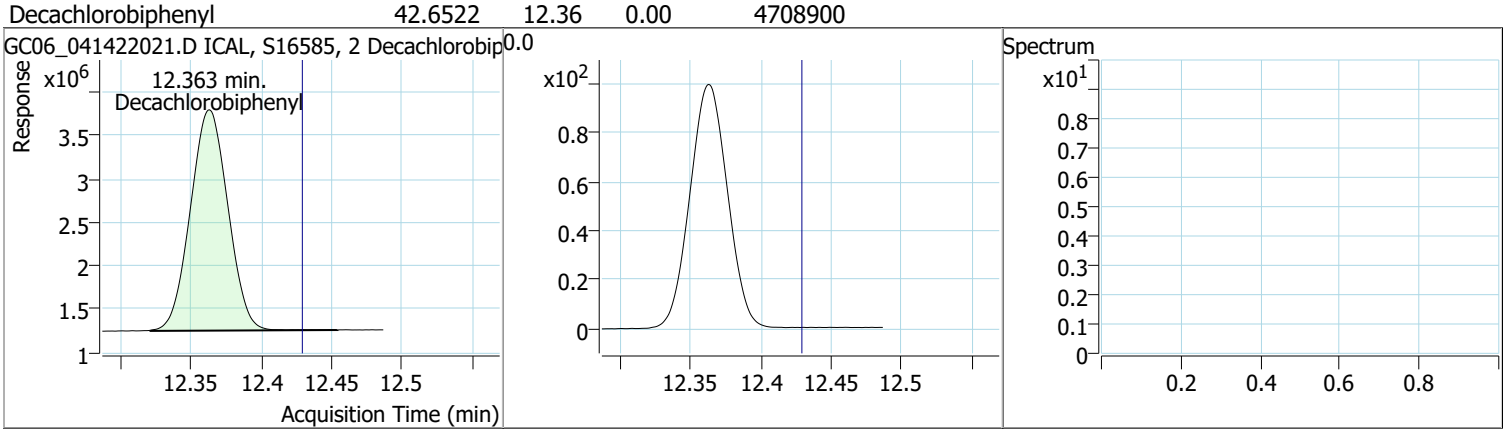
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	31.6897	11.20	-0.01	1997888			



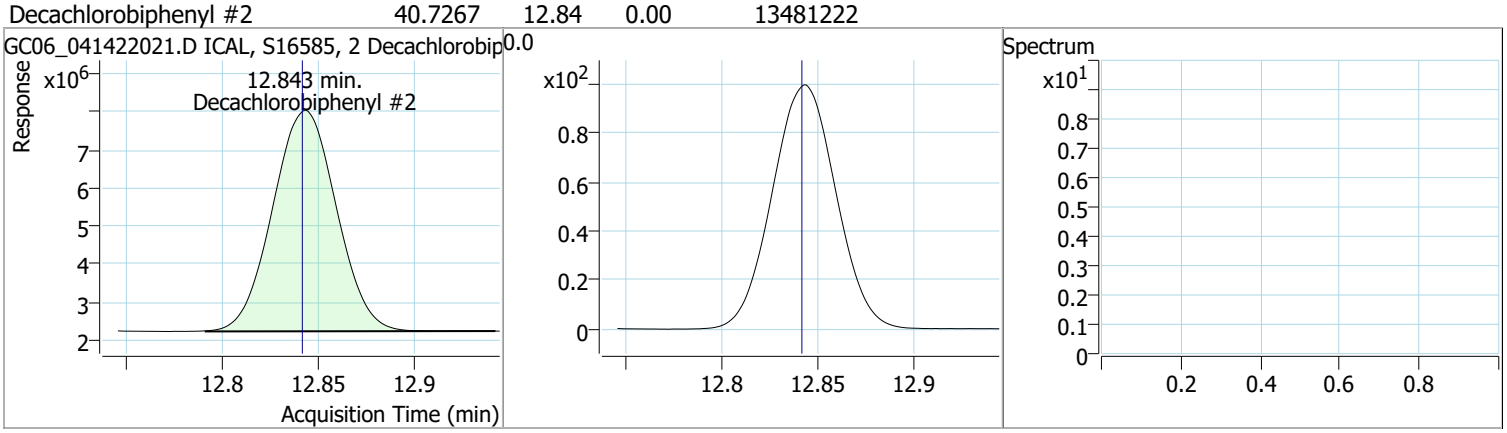
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	69.6011	11.47	0.08	19548666			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	42.6522	12.36	0.00	4708900			

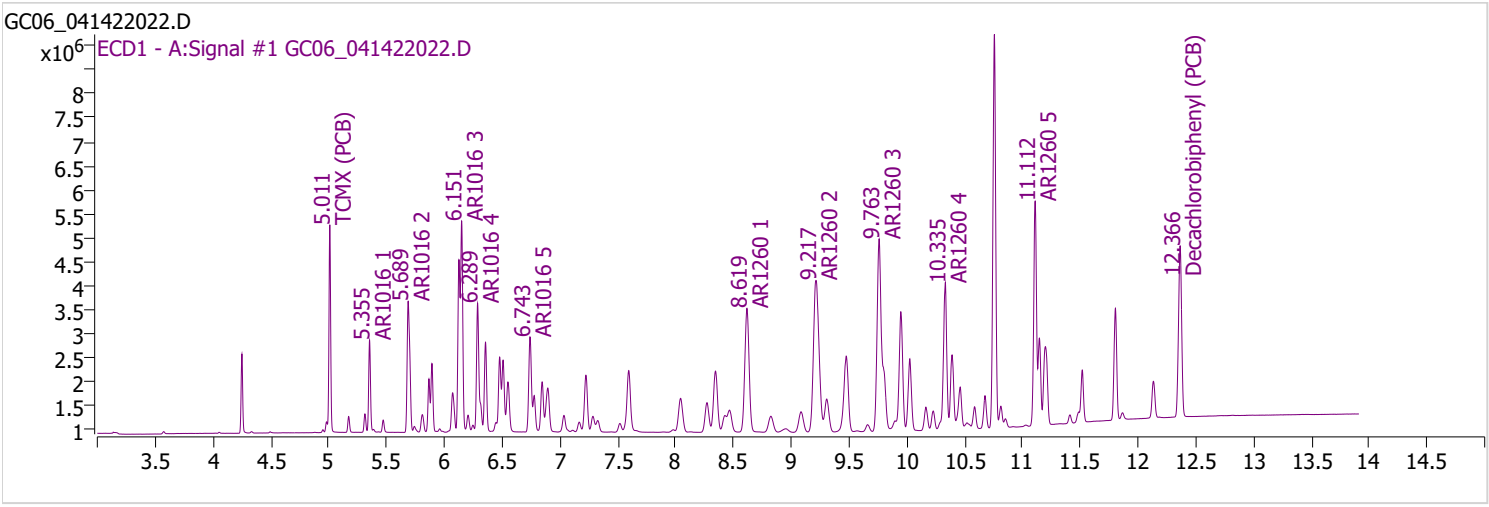


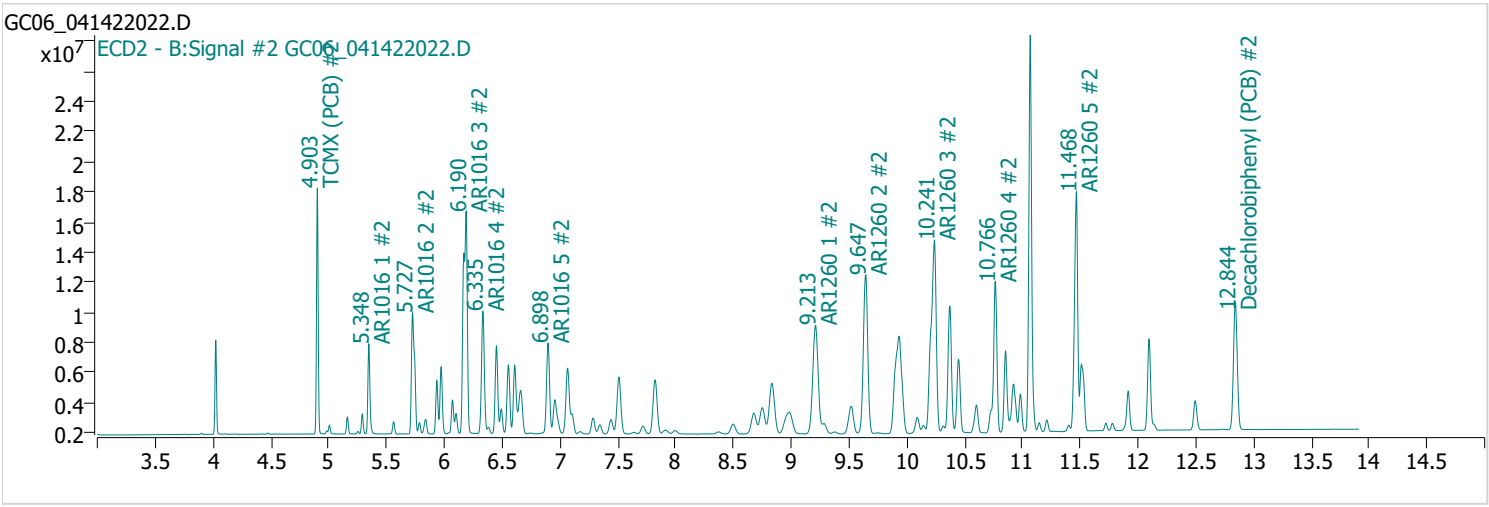
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	40.7267	12.84	0.00	13481222			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422022.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 8:44:14 PM
Sample Name	ICAL, S16585, 1.33	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 118	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



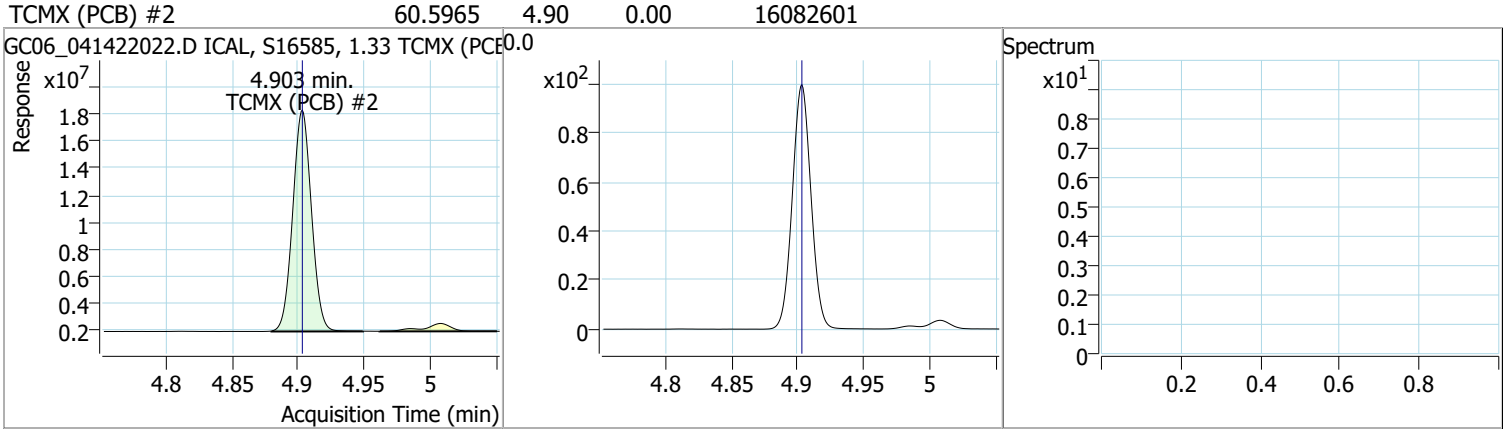


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.251	4.024	1588388	5794417	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.011	4.903	4411653	16082601	57.743	60.597	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	288.71% *	302.98% *	
S Decachlorobiphenyl (PCB)	12.366	12.844	6796418	19469690	56.275	55.684	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	281.37% *	278.42% *	
Target Compounds							
T AR1016 1	5.355	5.348	2110884	7324137	1358.597	1349.749	ng/ml
T AR1016 2	5.689	5.727	4485104	15445320	1325.765	1371.587	ng/ml
T AR1016 3	6.151	6.190	5713338	20893358 m	1434.974	1406.875	ng/ml
T AR1016 4	6.289	6.335	4168990	13935230	1399.222	1383.100	ng/ml
T AR1016 5	6.743	6.898	3182685	11121252	1380.905	1411.835	ng/ml
T AR1260 1	8.619	9.213	6739852	23514478 m	1348.317	1340.824	ng/ml
T AR1260 2	9.217	9.647	10593988	27829642	1375.988	1373.364	ng/ml
T AR1260 3	9.763	10.241	11760001	39056610	1469.299	1418.652	ng/ml
T AR1260 4	10.335	10.766	5647323	21346241	1418.728	1432.885	ng/ml

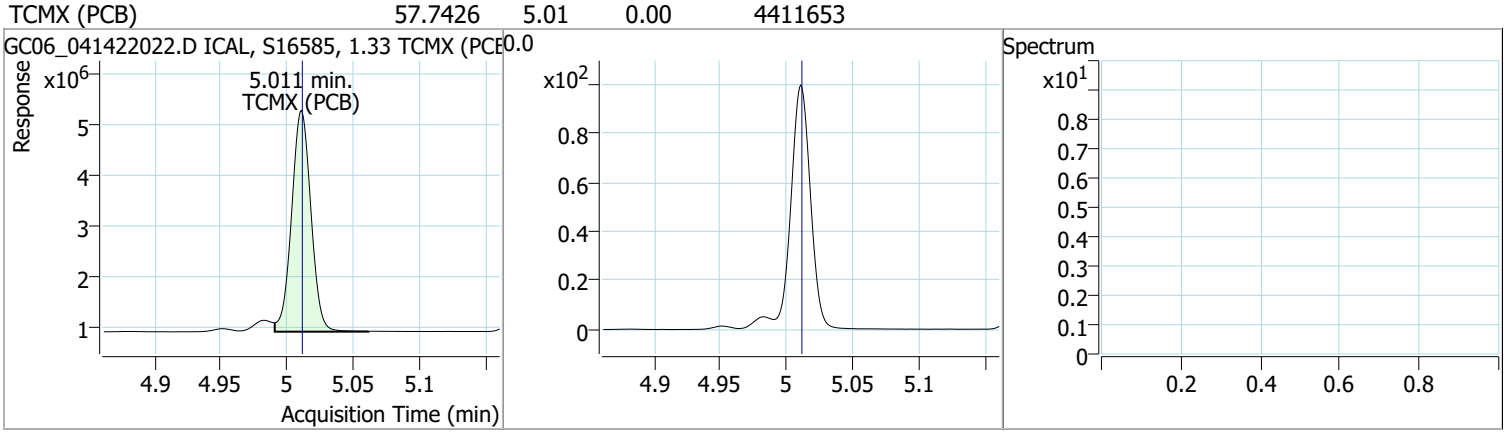
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.112	11.468	7811997	31074860	1482.806	1414.828	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

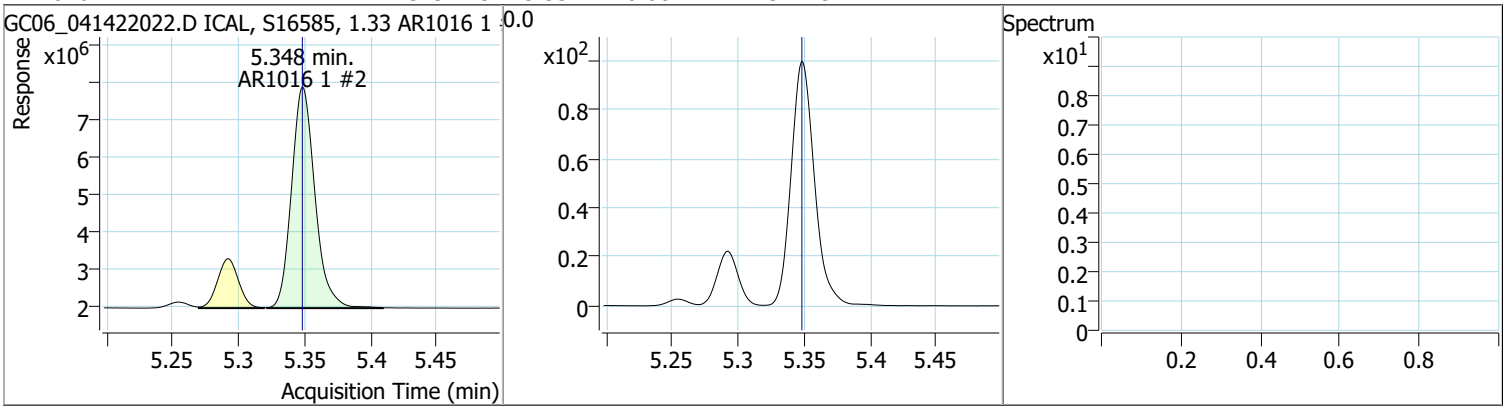
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	60.5965	4.90	0.00	16082601			



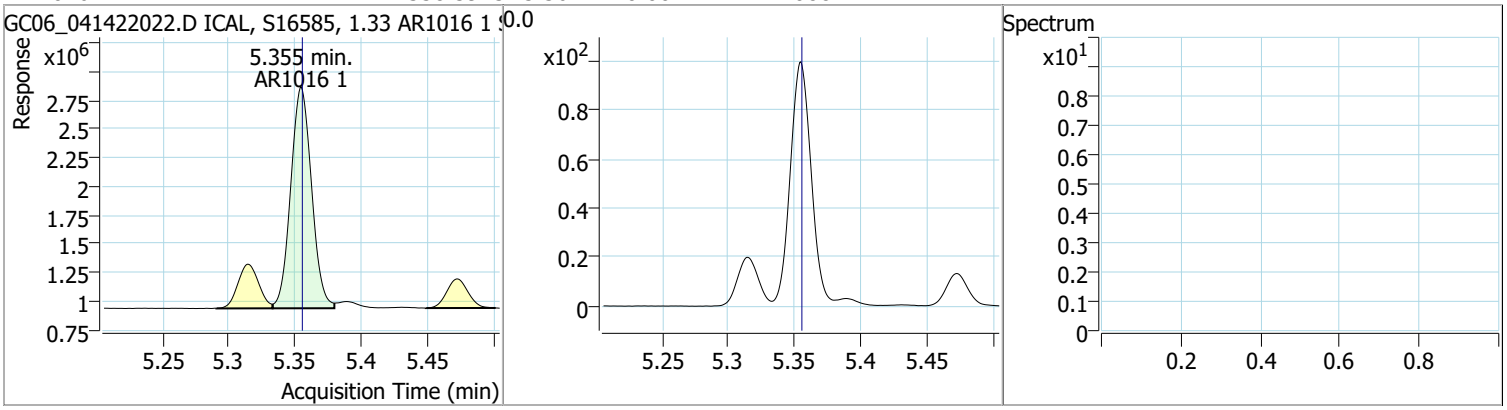
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	57.7426	5.01	0.00	4411653			



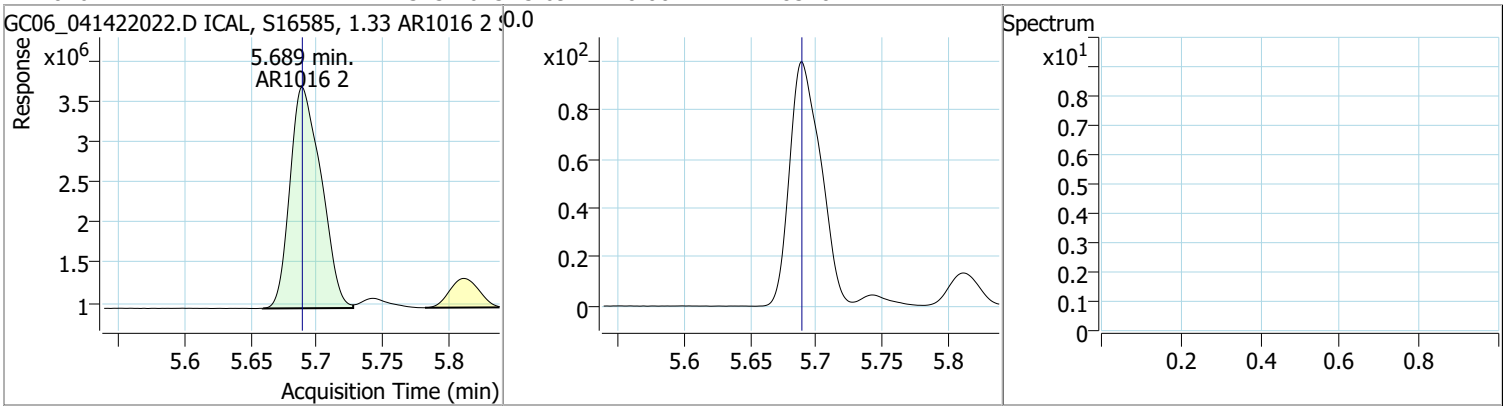
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	1349.7494	5.35	0.00	7324137			



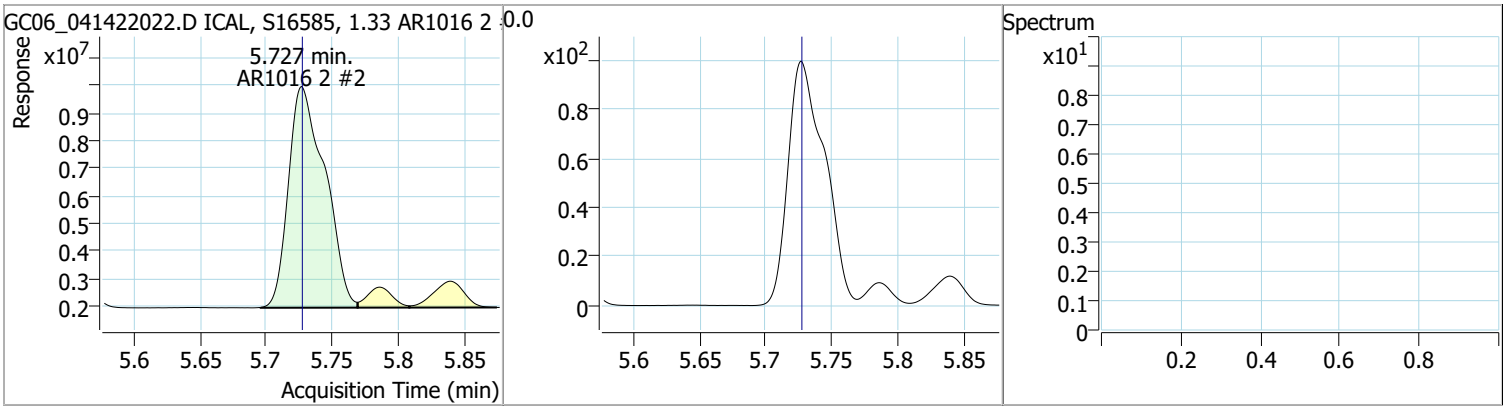
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	1358.5975	5.36	0.00	2110884			



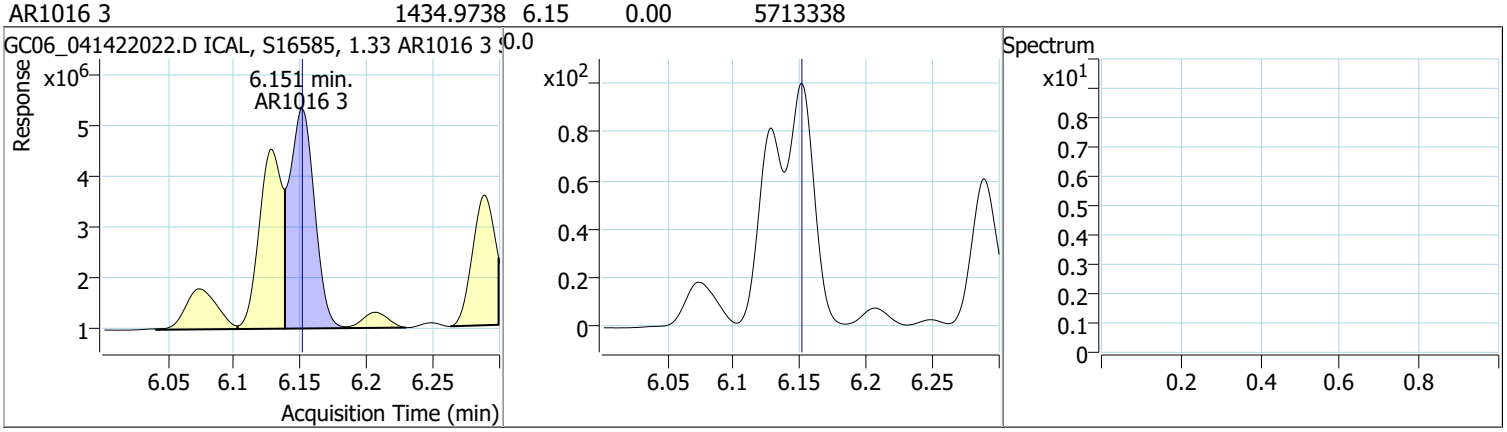
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	1325.7645	5.69	0.00	4485104			



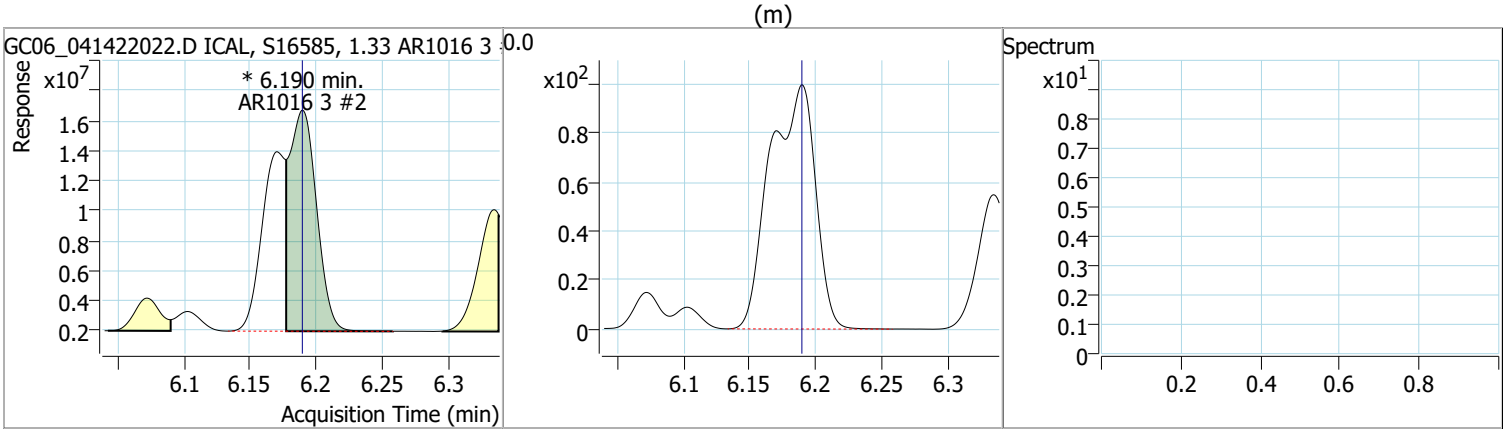
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	1371.5868	5.73	0.00	15445320			



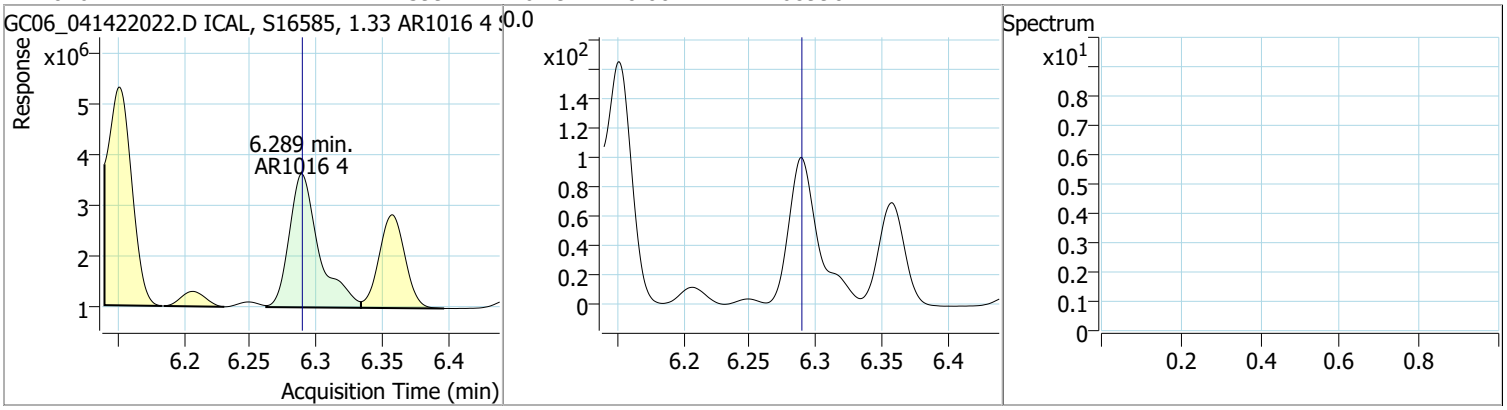
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	1434.9738	6.15	0.00	5713338			



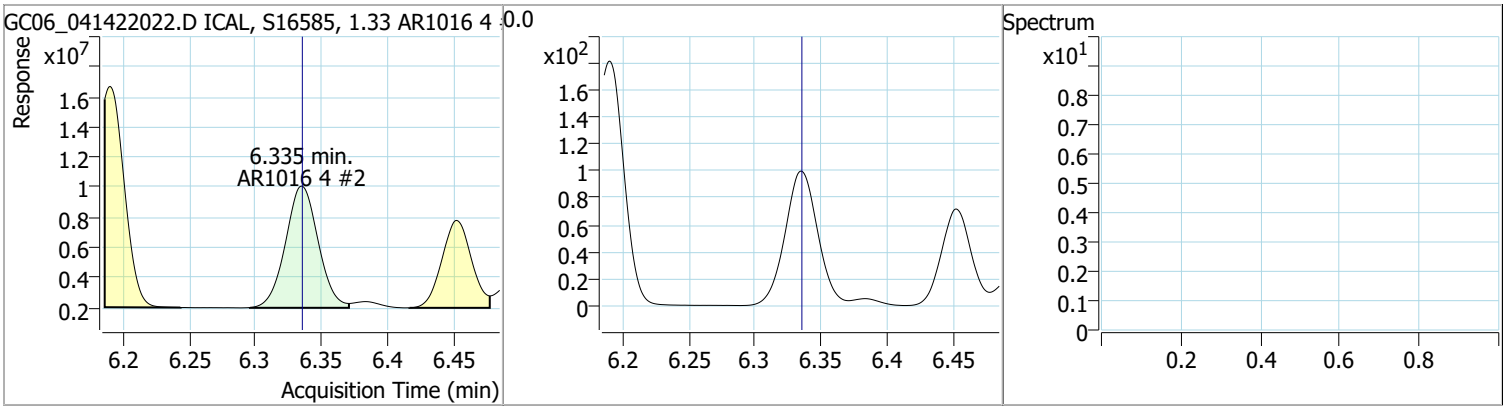
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	1406.8752	6.19	0.00	20893358 (m)			



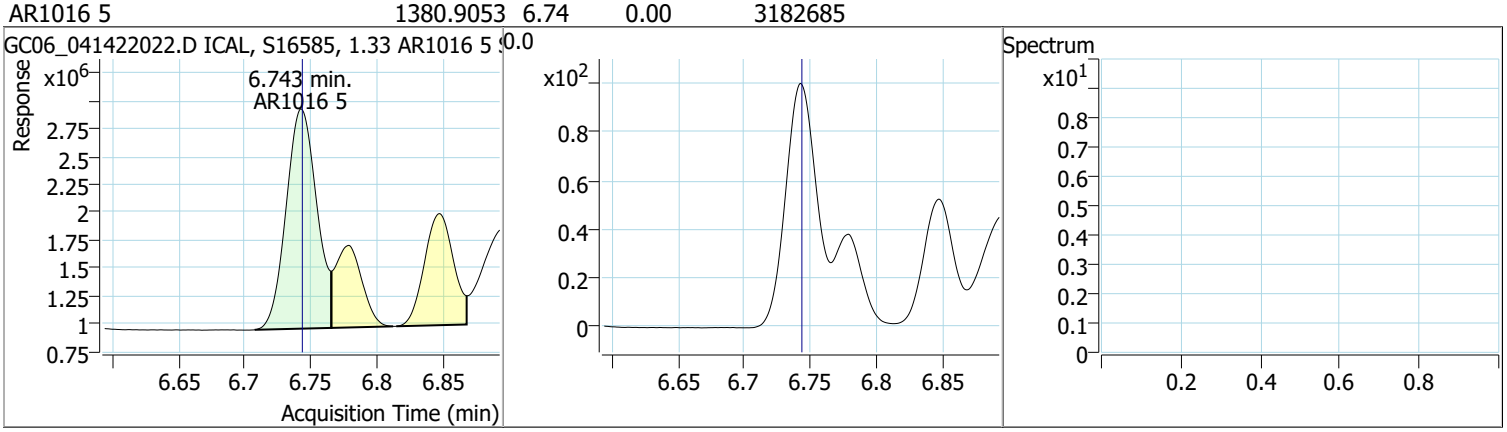
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	1399.2221	6.29	0.00	4168990			



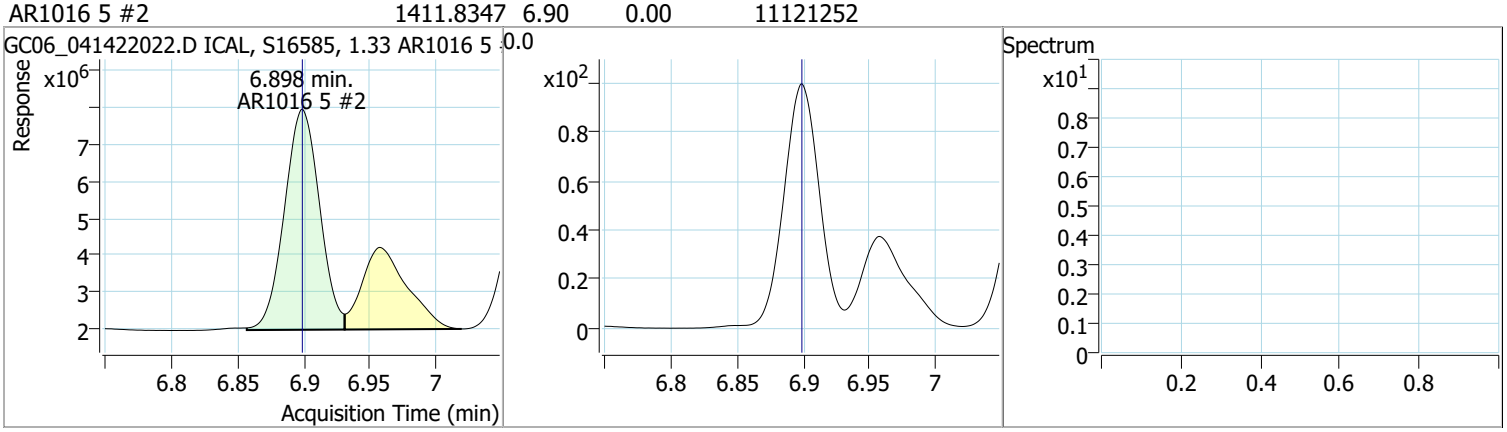
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	1383.1005	6.34	0.00	13935230			



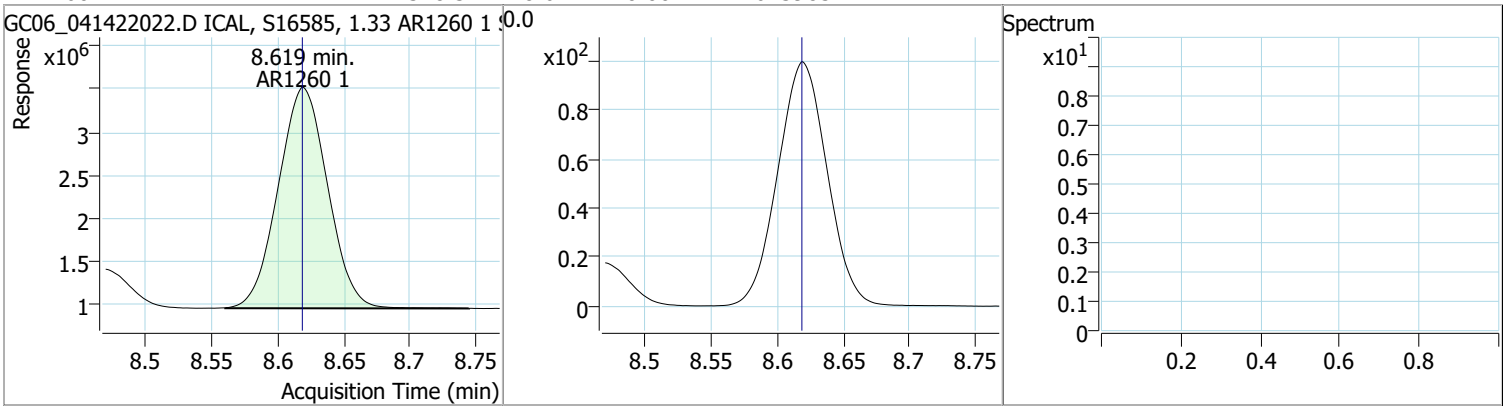
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	1380.9053	6.74	0.00	3182685			



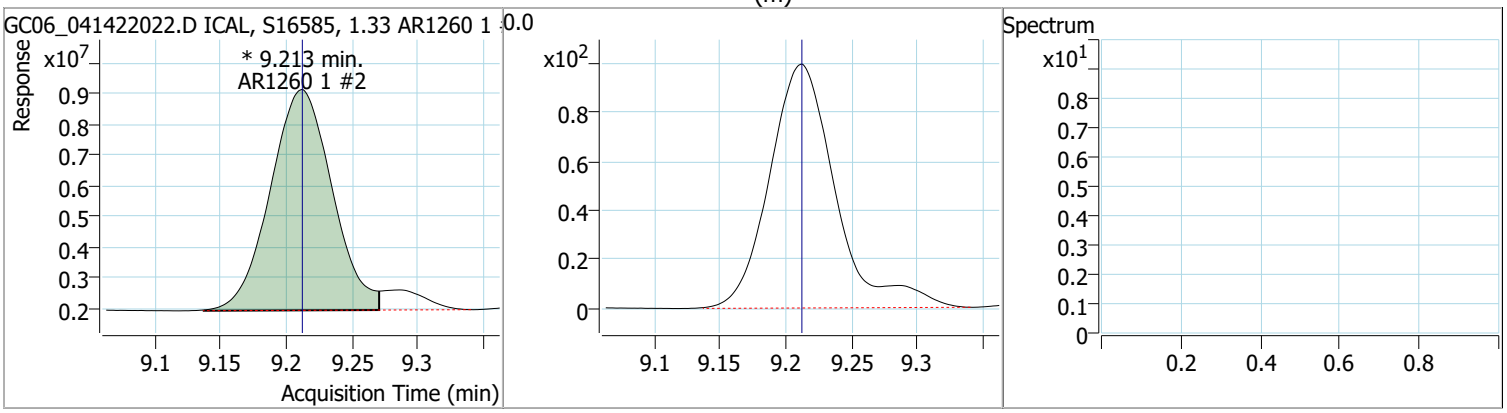
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	1411.8347	6.90	0.00	11121252			



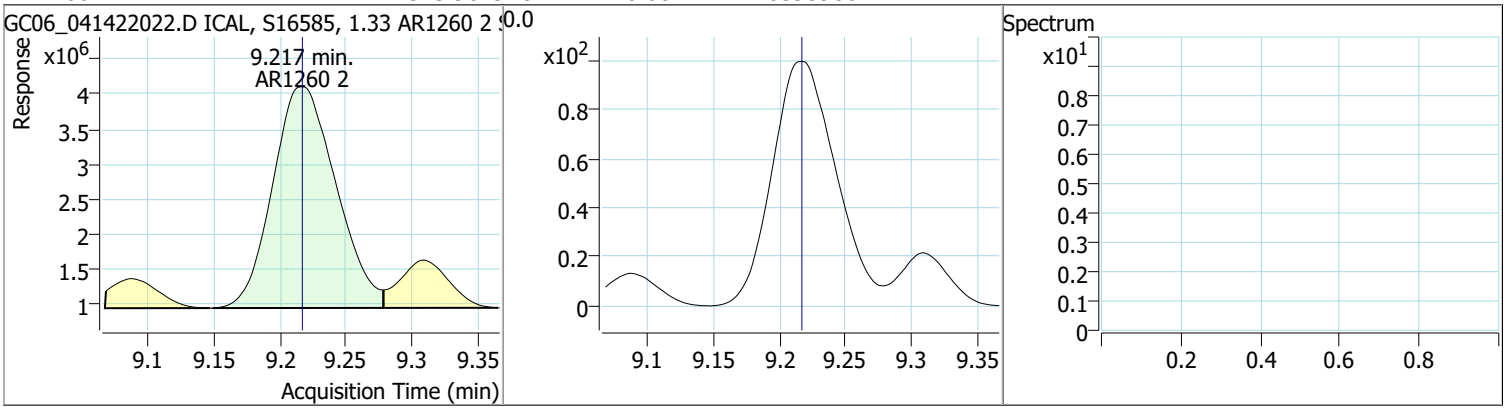
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	1348.3172	8.62	0.00	6739852			



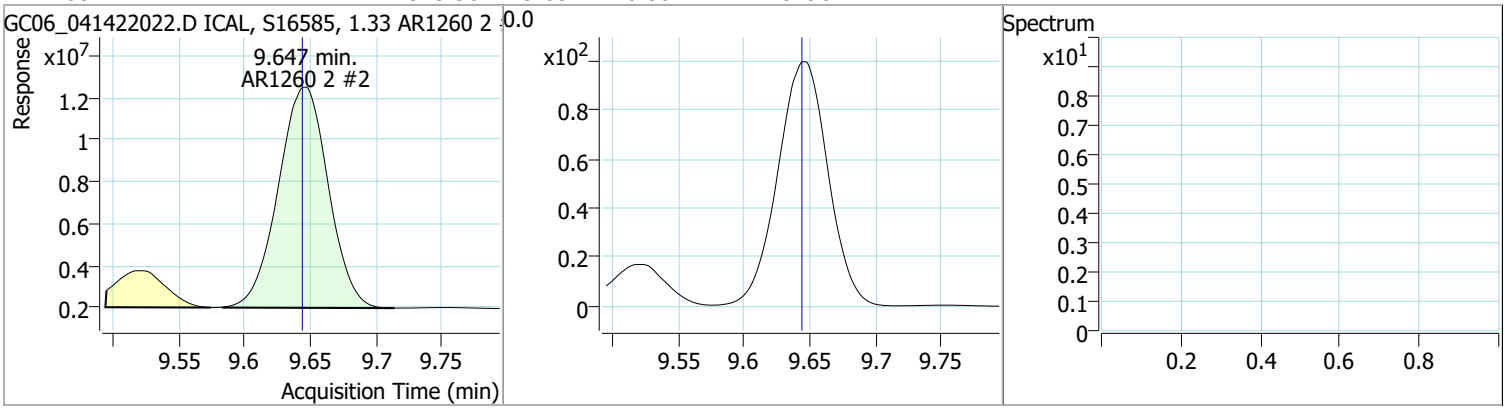
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	1340.8241	9.21	0.00	23514478 (m)			



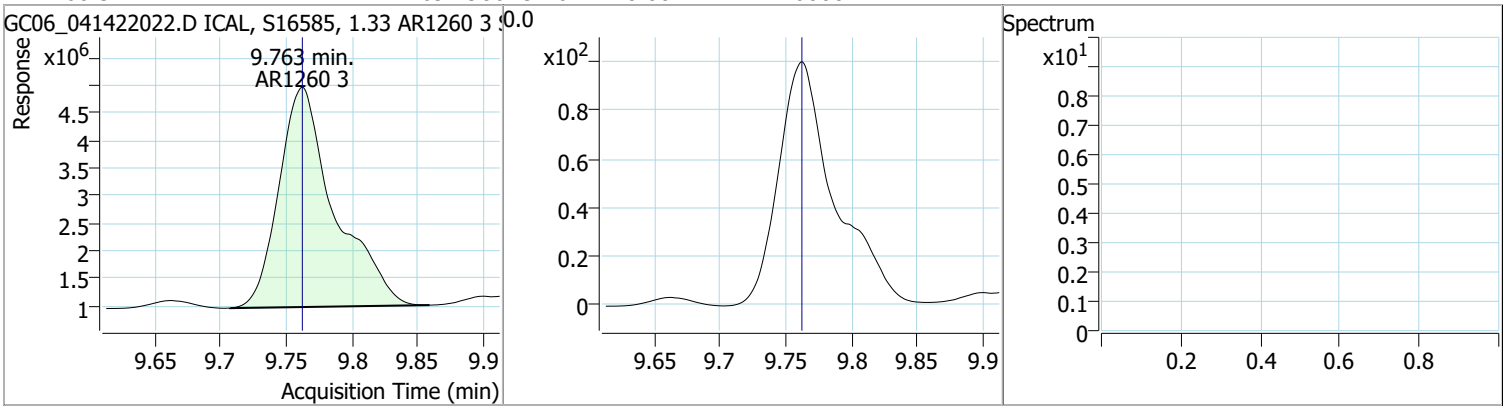
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	1375.9879	9.22	0.00	10593988			



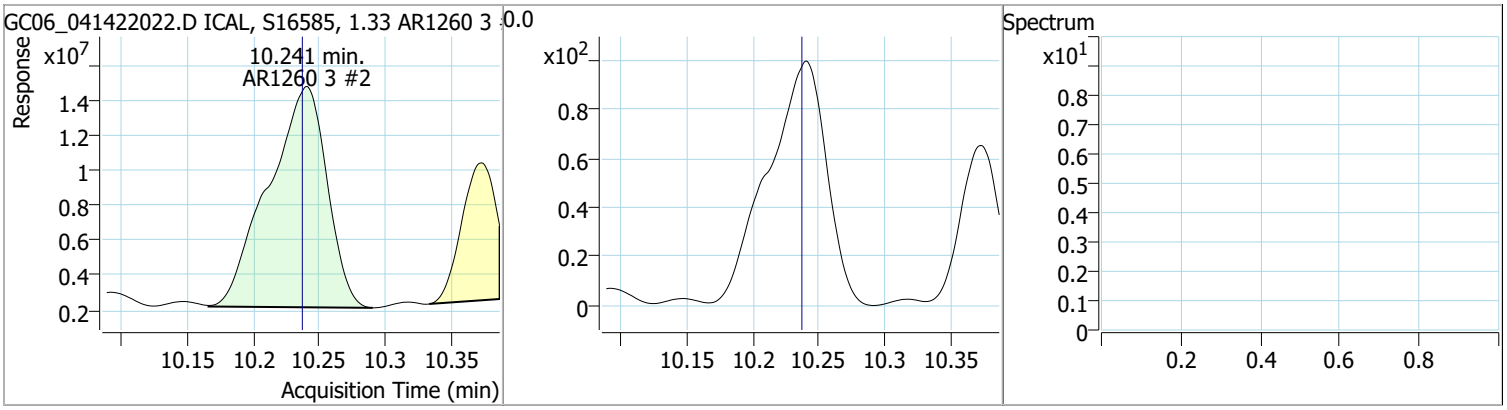
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	1373.3642	9.65	0.00	27829642			



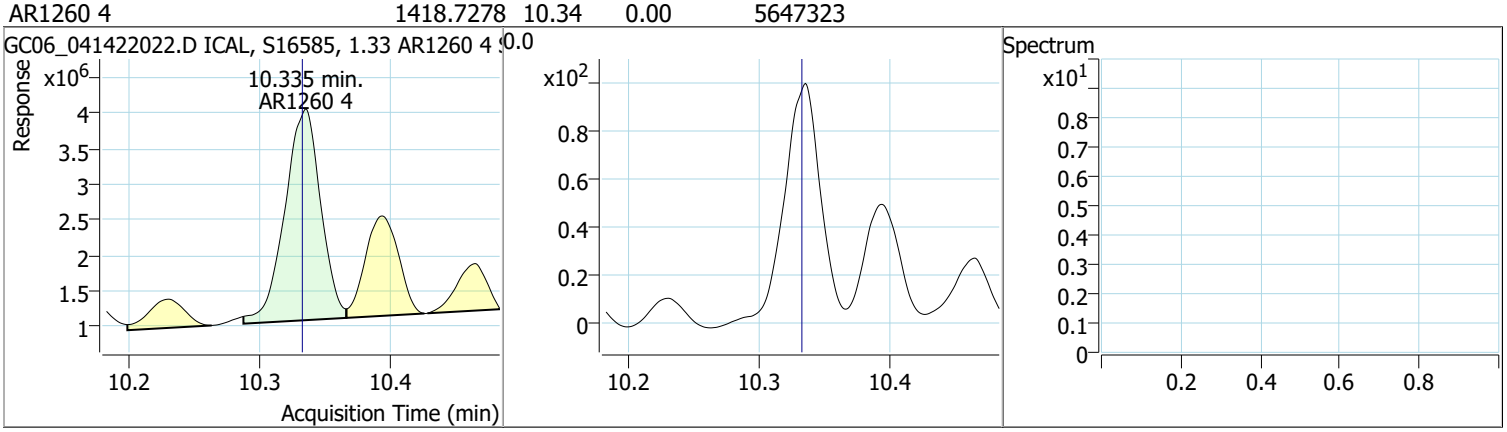
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	1469.2986	9.76	0.00	11760001			



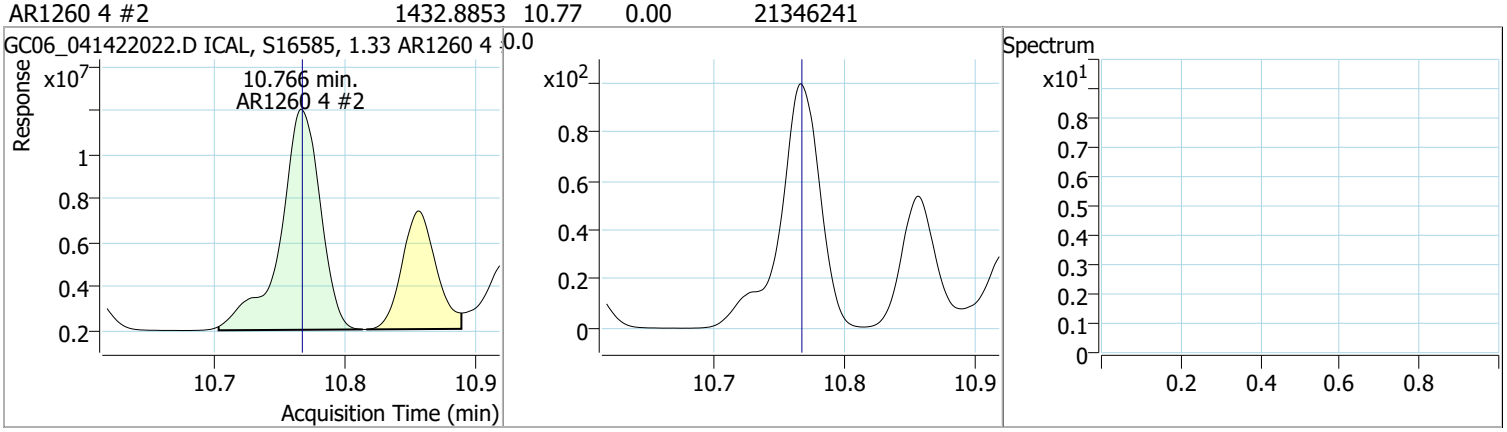
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	1418.6521	10.24	0.00	39056610			



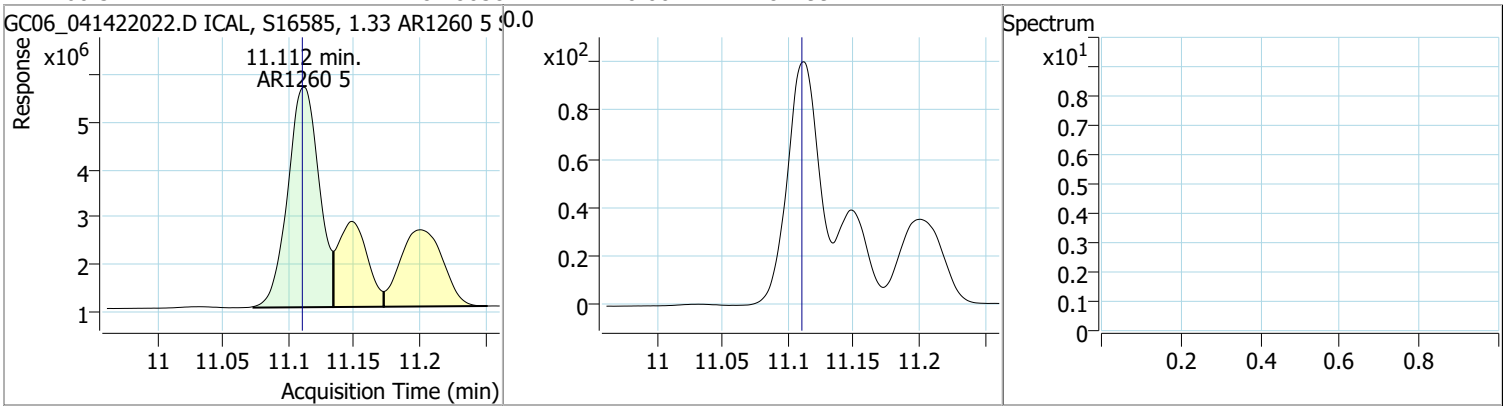
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	1418.7278	10.34	0.00	5647323			



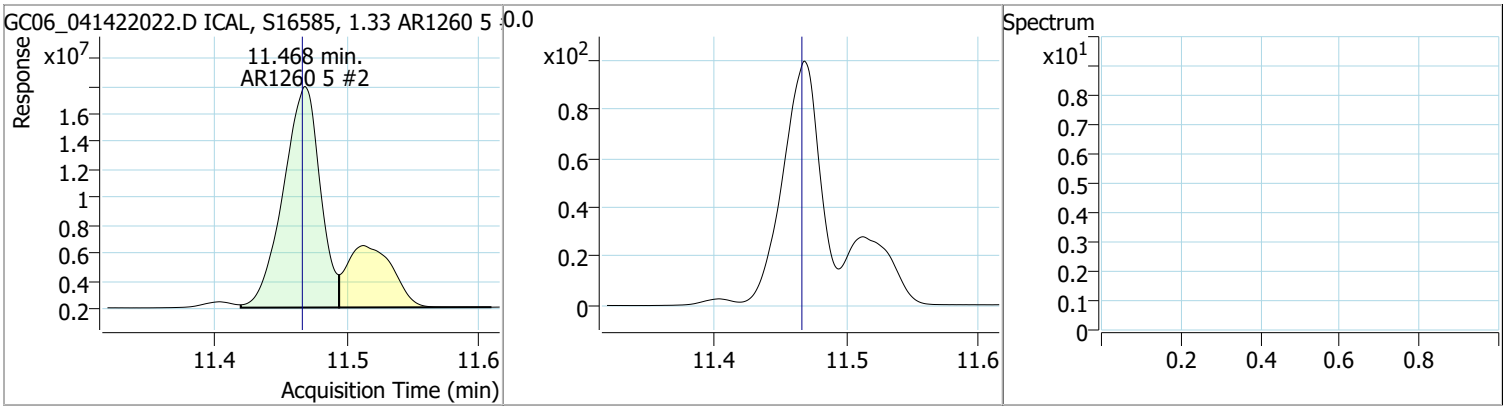
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	1432.8853	10.77	0.00	21346241			



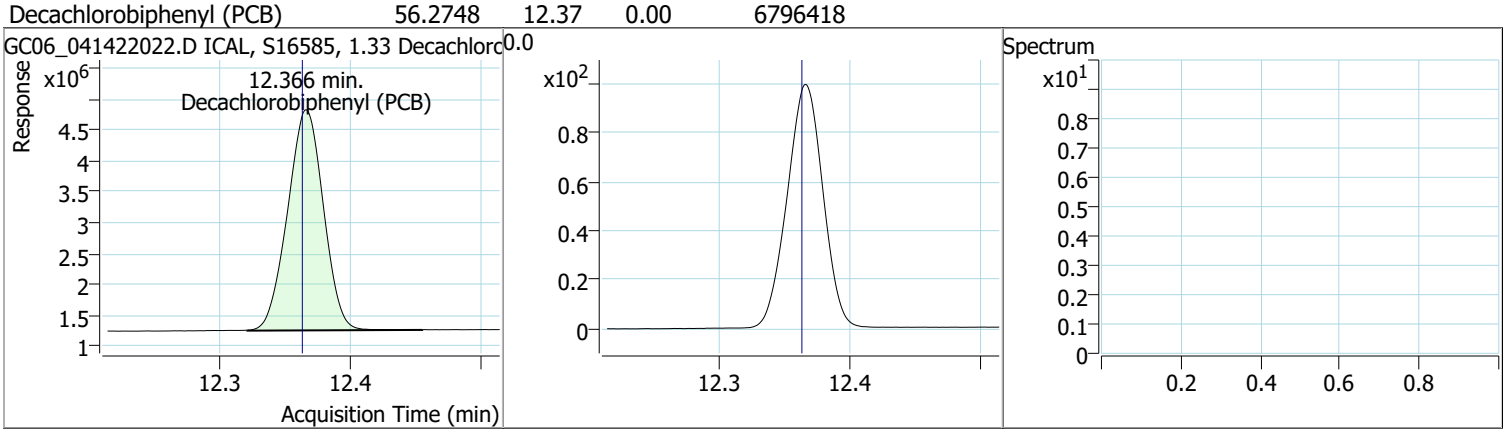
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	1482.8058	11.11	0.00	7811997			



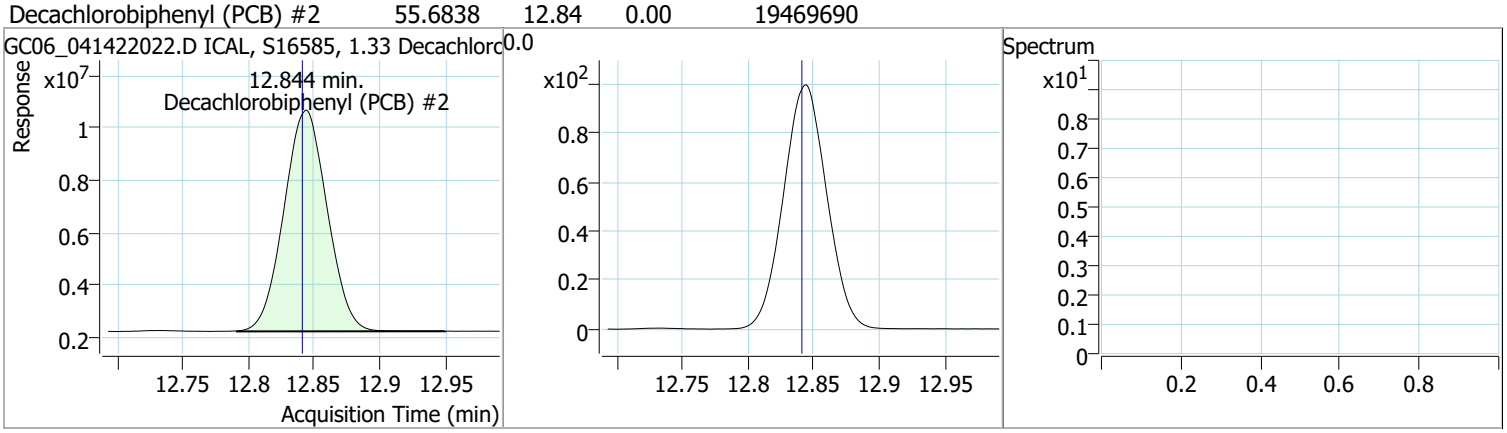
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	1414.8278	11.47	0.00	31074860			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	56.2748	12.37	0.00	6796418			

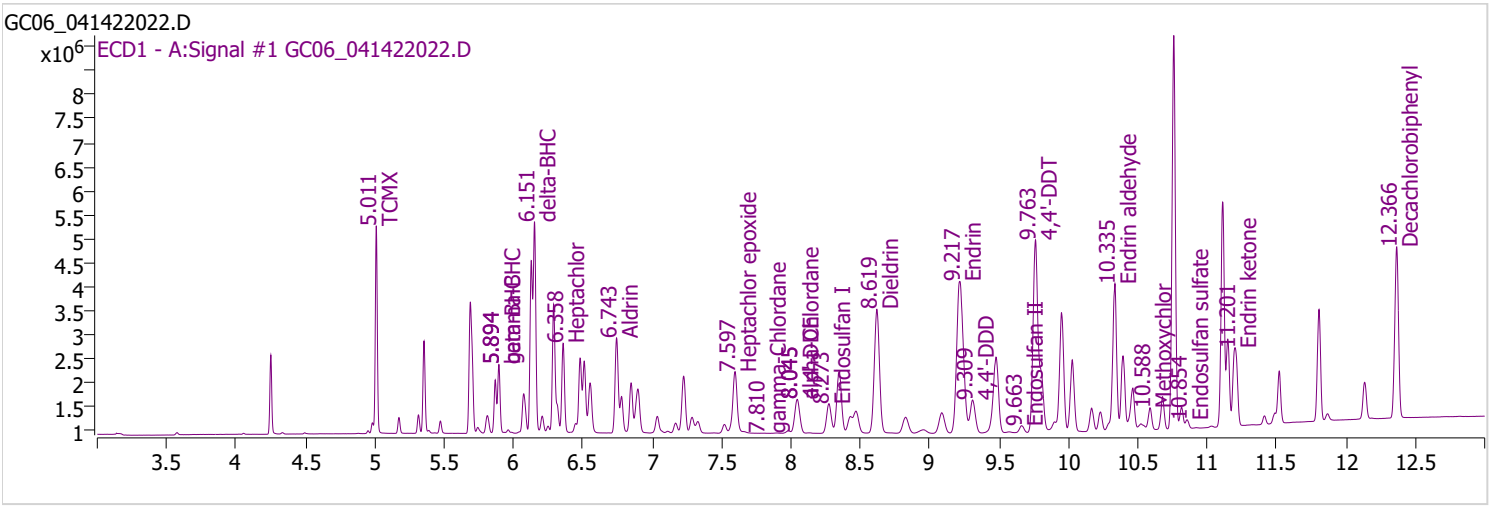


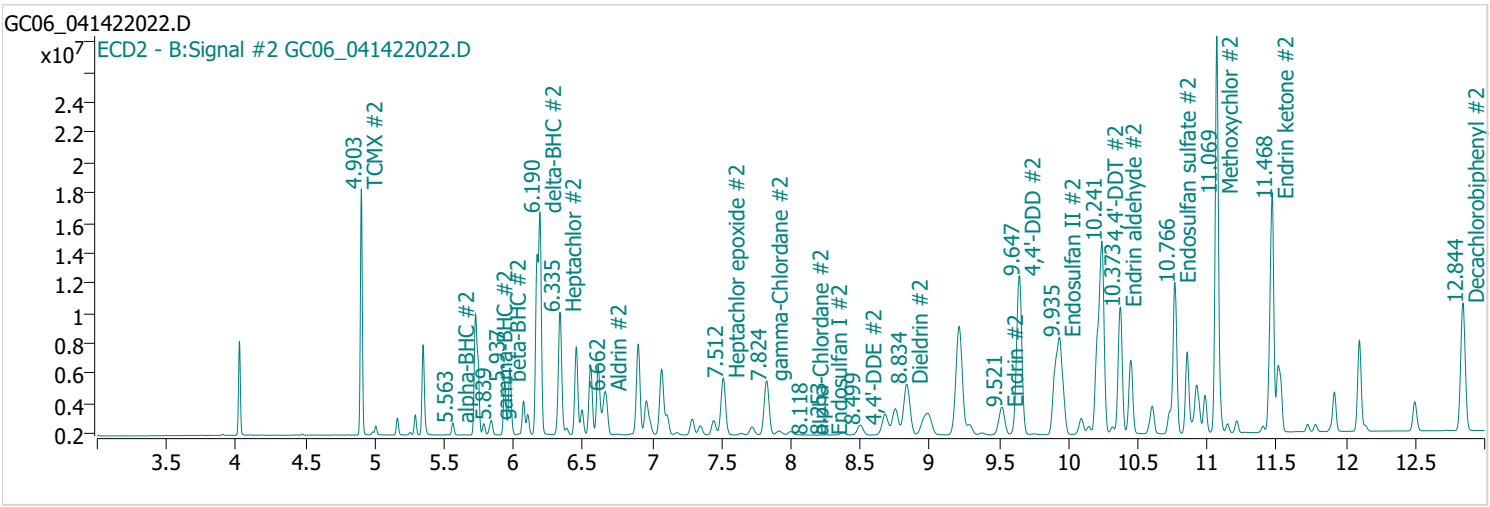
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	55.6838	12.84	0.00	19469690			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422022.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 8:44:14 PM
Sample Name	ICAL, S16585, 1.33	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 118	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 8:58:27 PM



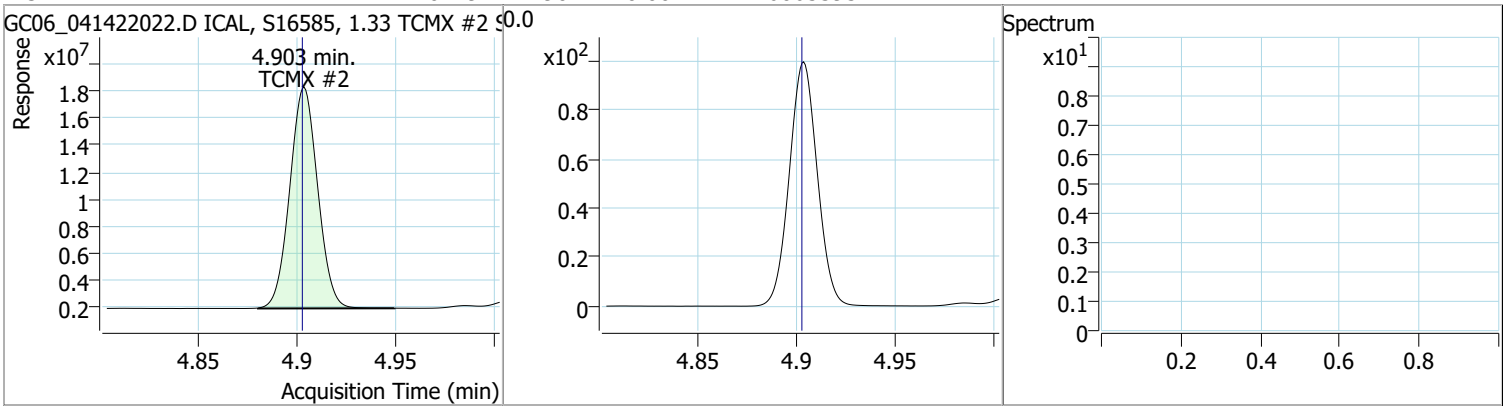


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.251	4.024	1579943	5794445	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.011	4.903	4410864	16065395	67.588	71.025	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	337.94% *	355.12% *	
S Decachlorobiphenyl	12.366	12.844	6789423	19302255	69.126	65.136	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	345.63% *	325.68% *	
Target Compounds							
T alpha-BHC	----	5.563 f	0	920345	N.D.	5.071 #	ng/ml
T gamma-BHC	5.894	5.839	1737182	1416221	30.444	7.657 #	ng/ml
T beta-BHC	5.894	5.937	1710136	4568637	56.192	39.999 #	ng/ml
T delta-BHC	6.151	6.190	5620220	35209398	68.047	84.716	ng/ml
T Heptachlor	6.358	6.335	2280047	13942615	37.500	51.437 #	ng/ml
T Aldrin	6.743	6.662 f	3182685	6459364	47.917	32.188 #	ng/ml
T Heptachlor epoxide	7.597	7.512	2723636	7838665	43.031	36.286	ng/ml
T gamma-Chlordane	7.810	7.824	3036	8770743	0.067	37.329 #	ng/ml
T alpha-Chlordane	8.045	8.118	1098356	2682	22.184	0.016 #	ng/ml

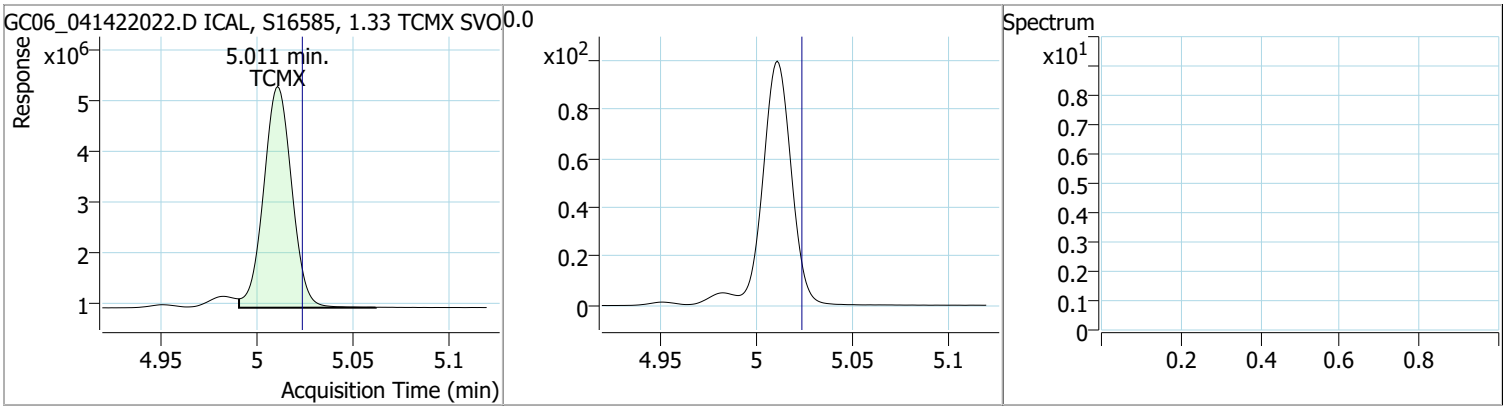
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.273	8.253	1358875	32827	28.680	0.220 #	ng/ml
T 4,4'-DDE	8.045	8.499 f	1694921	1906361	35.239	12.910 #	ng/ml
T Dieldrin	8.619	8.834	6612828	9357717	98.238	51.019 #	ng/ml
T Endrin	9.217	9.521	9777241	5338414	133.425	33.443 #	ng/ml
T 4,4'-DDD	9.309	9.647 f	1066737	25591467	30.533	145.260 #	ng/ml
T Endosulfan II	9.663	9.935 f	331711	26330722	7.652	111.649 #	ng/ml
T 4,4'-DDT	9.763	10.241	11484924	38823043	193.253	142.253 #	ng/ml
T Endrin aldehyde	10.335	10.373	5263002	16803352	112.095	100.417	ng/ml
T Endosulfan sulfate	10.854	10.766	159468	21350803	4.140	108.863 #	ng/ml
T Methoxychlor	10.588	11.069 f	732597	43728207	29.406	404.795 #	ng/ml
T Endrin ketone	11.201	11.468 f	2936002	28593437	53.021	114.789 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

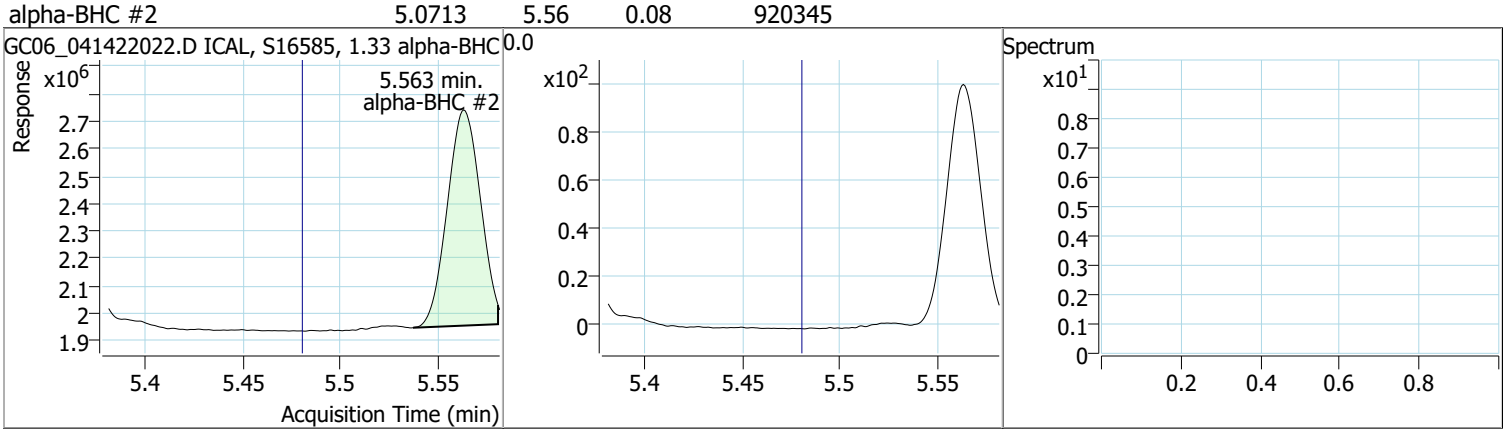
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	71.0249	4.90	0.00	16065395			



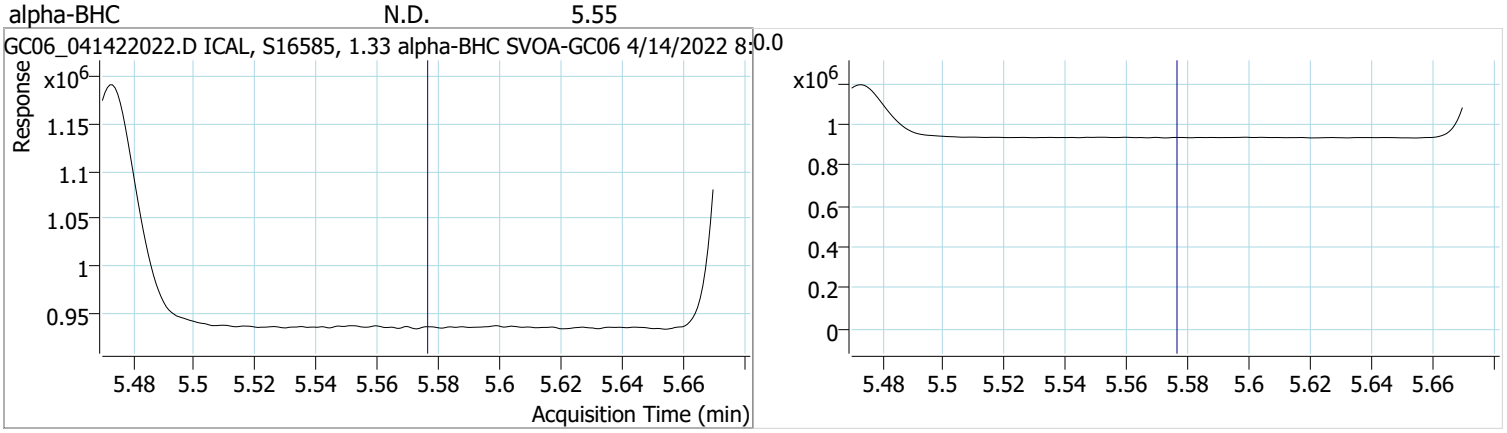
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	67.5880	5.01	0.01	4410864			



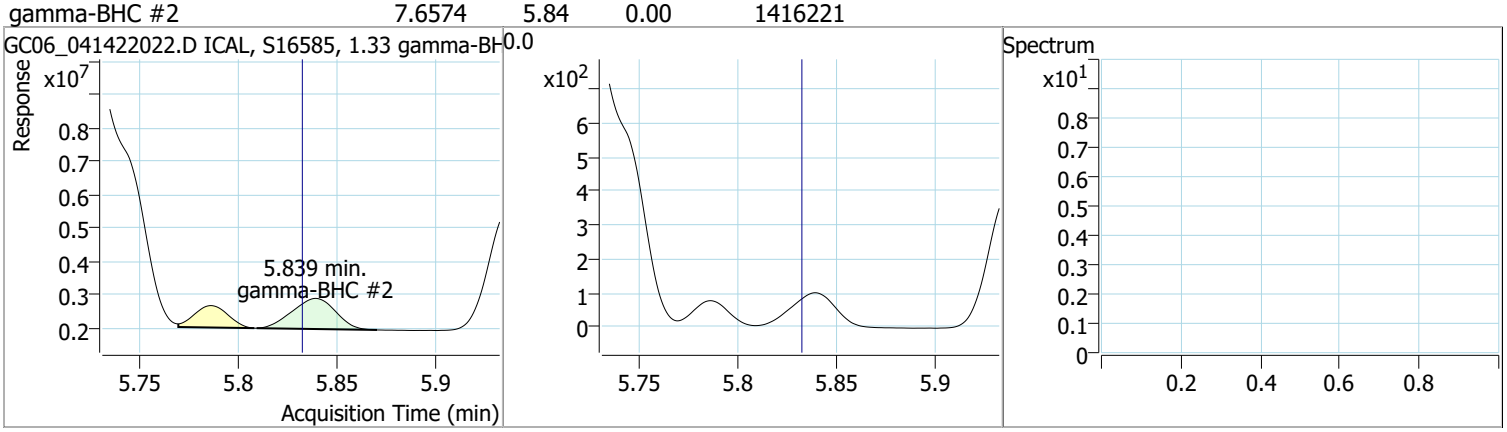
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	5.0713	5.56	0.08	920345			



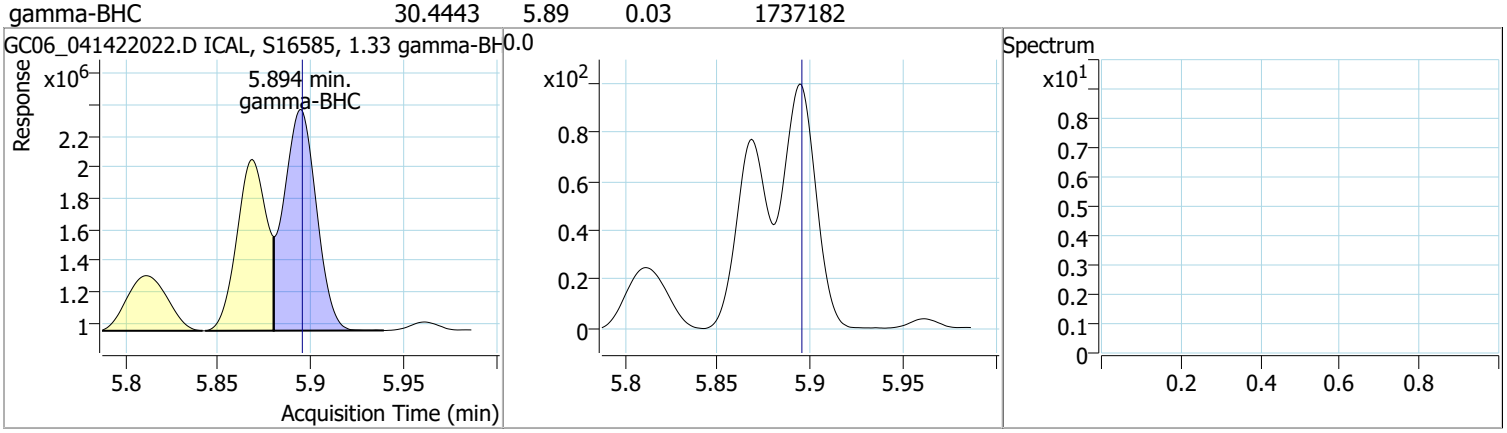
Compound	Conc.		Exp Ratio
alpha-BHC	N.D.	5.55	



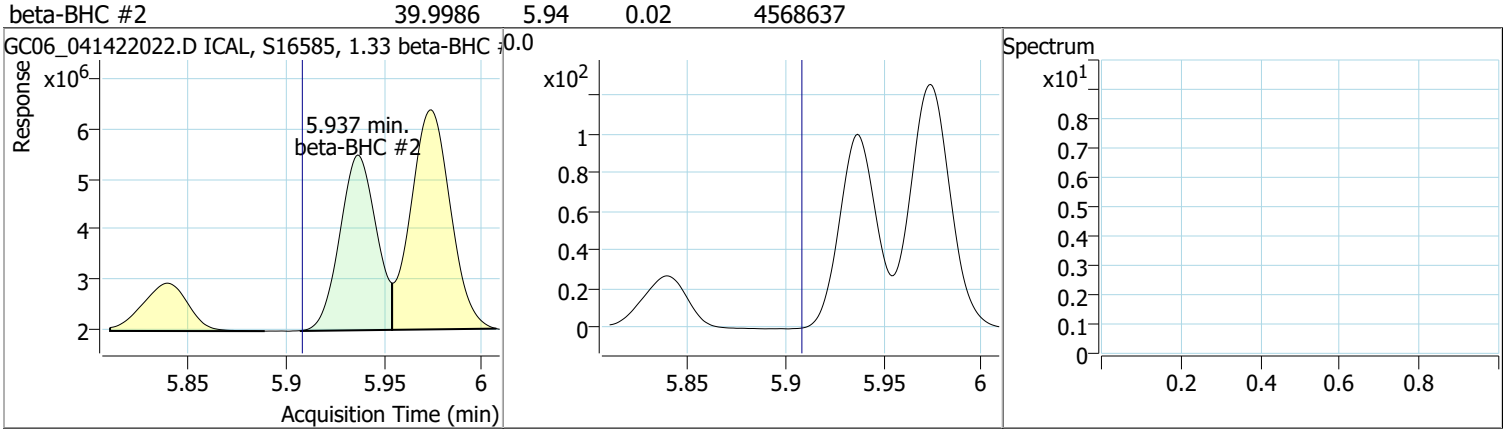
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	7.6574	5.84	0.00	1416221			



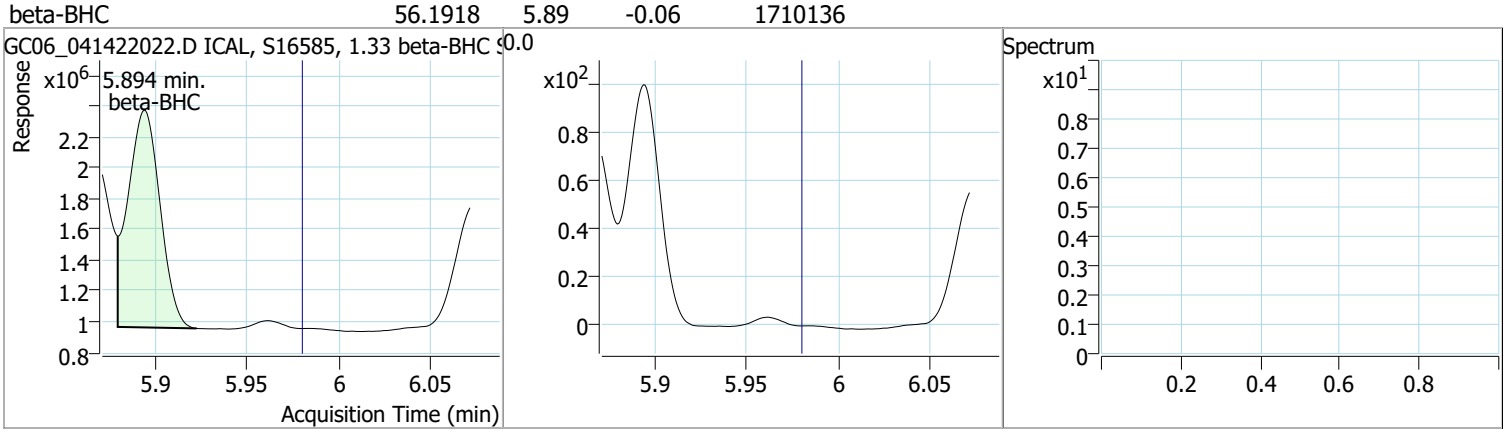
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	30.4443	5.89	0.03	1737182			



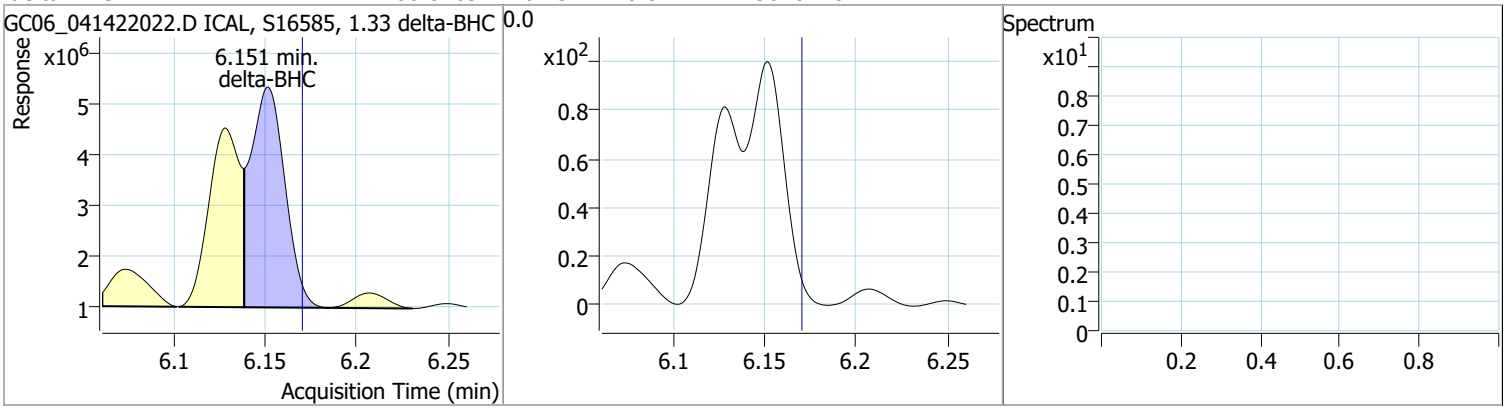
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	39.9986	5.94	0.02	4568637			



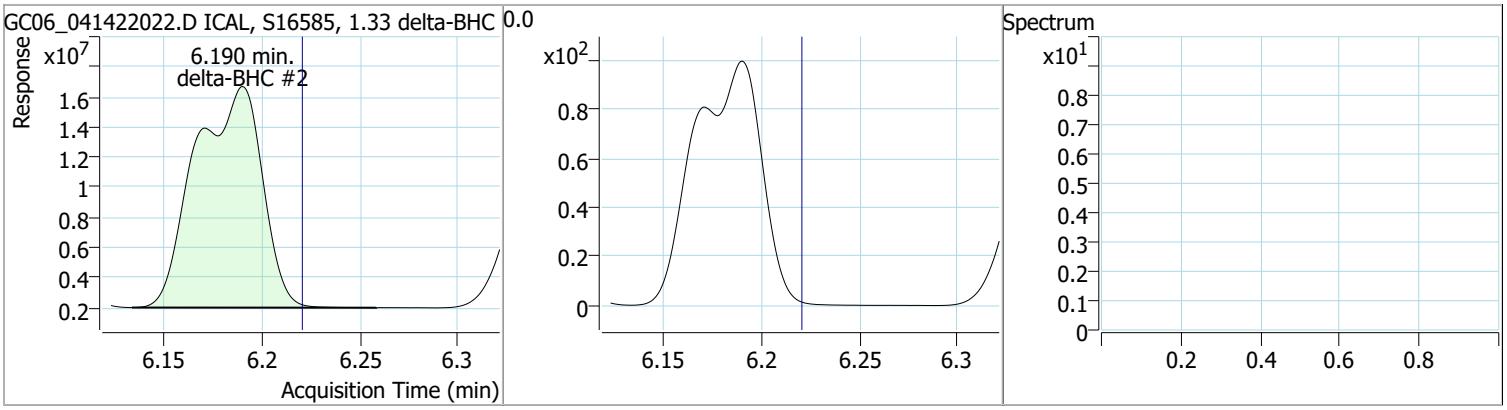
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	56.1918	5.89	-0.06	1710136			



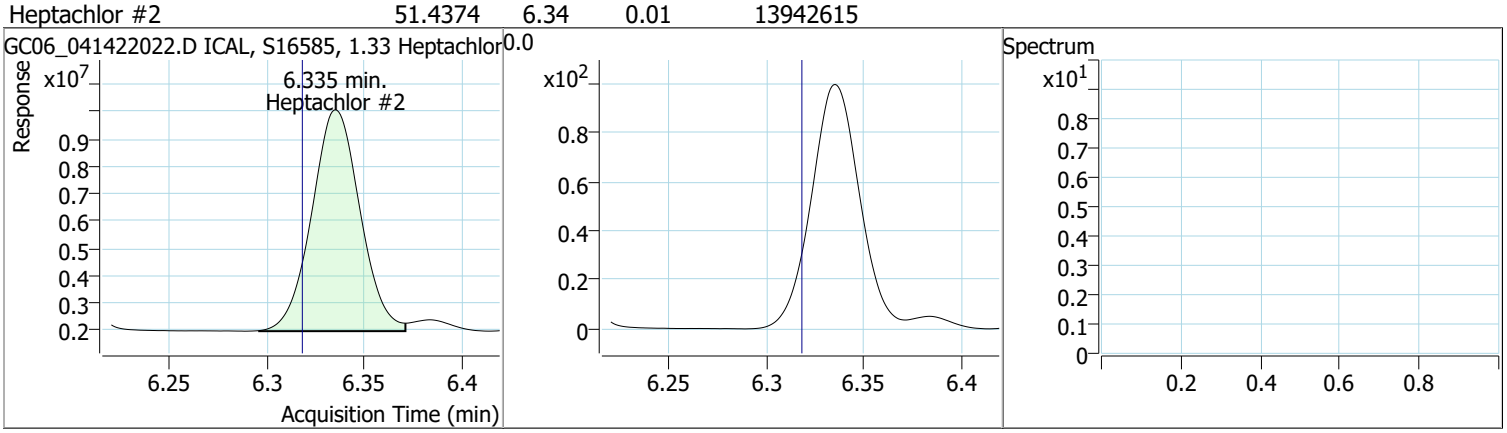
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	68.0469	6.15	0.01	5620220			



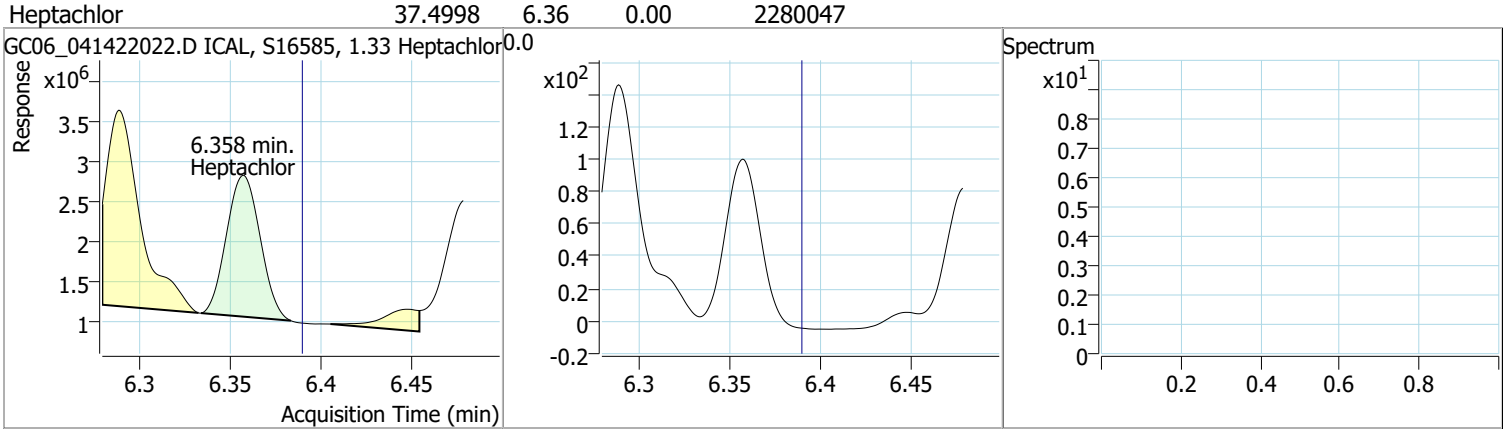
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	84.7155	6.19	-0.03	35209398			



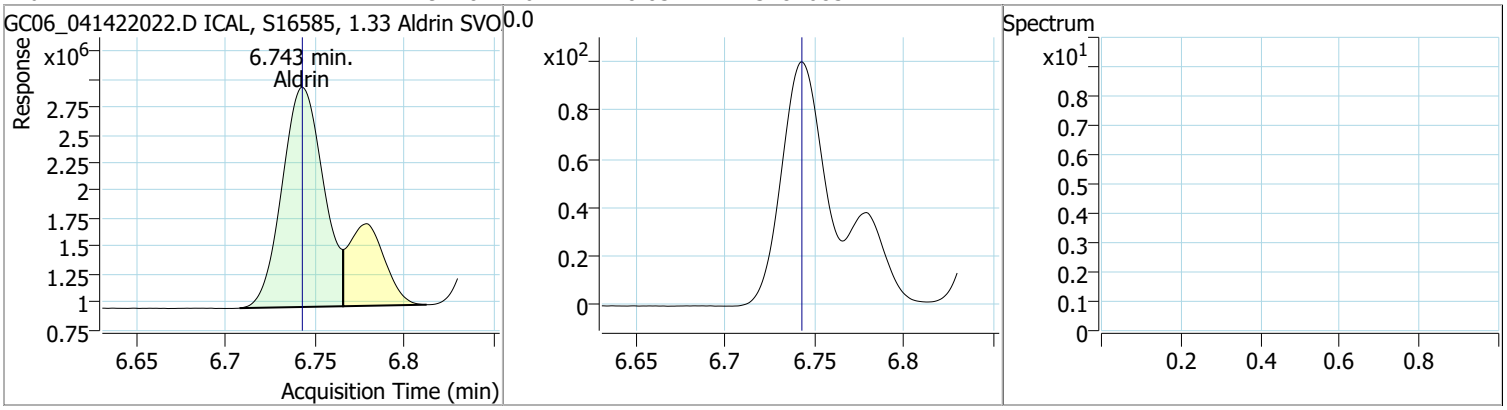
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	51.4374	6.34	0.01	13942615			



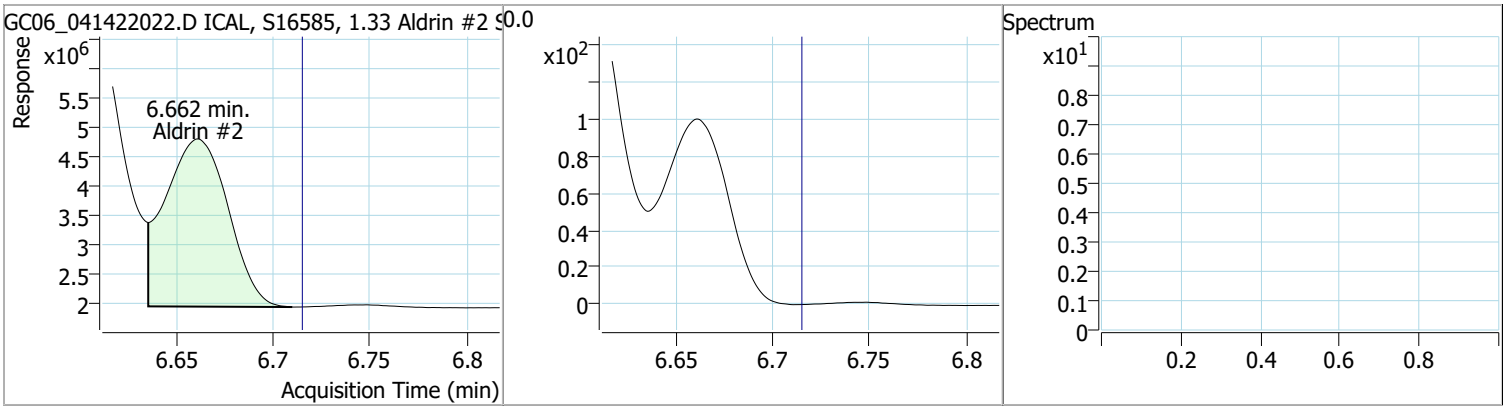
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	37.4998	6.36	0.00	2280047			



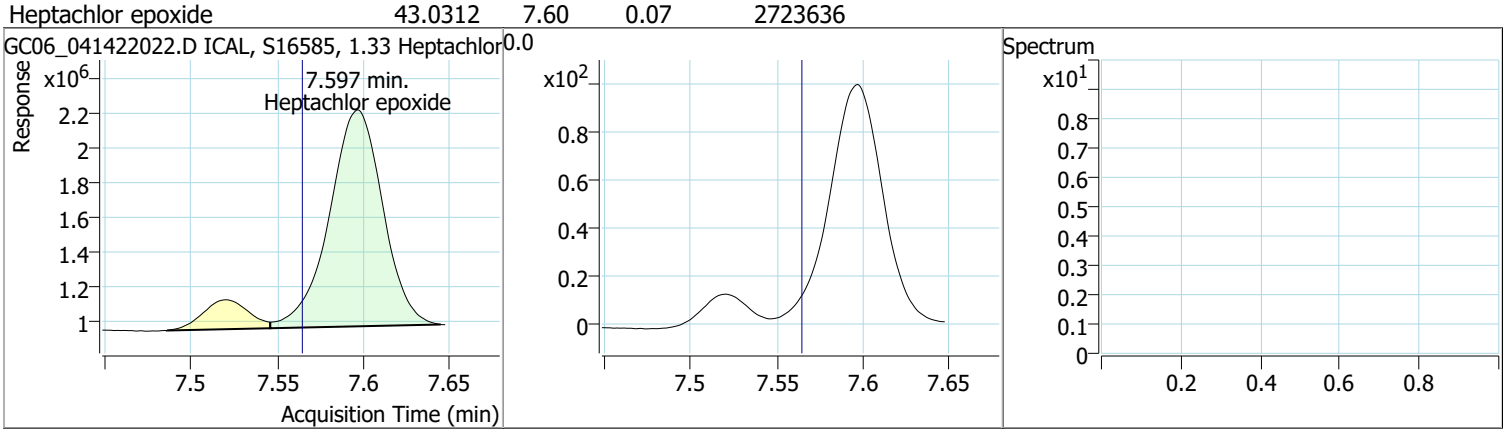
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	47.9170	6.74	0.03	3182685			



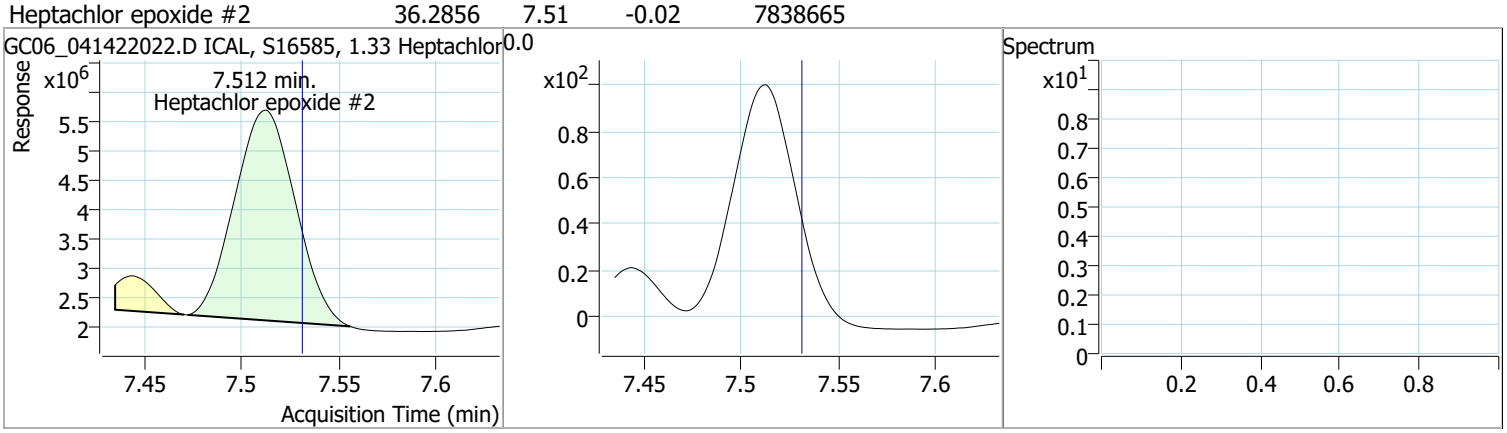
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	32.1876	6.66	-0.06	6459364			



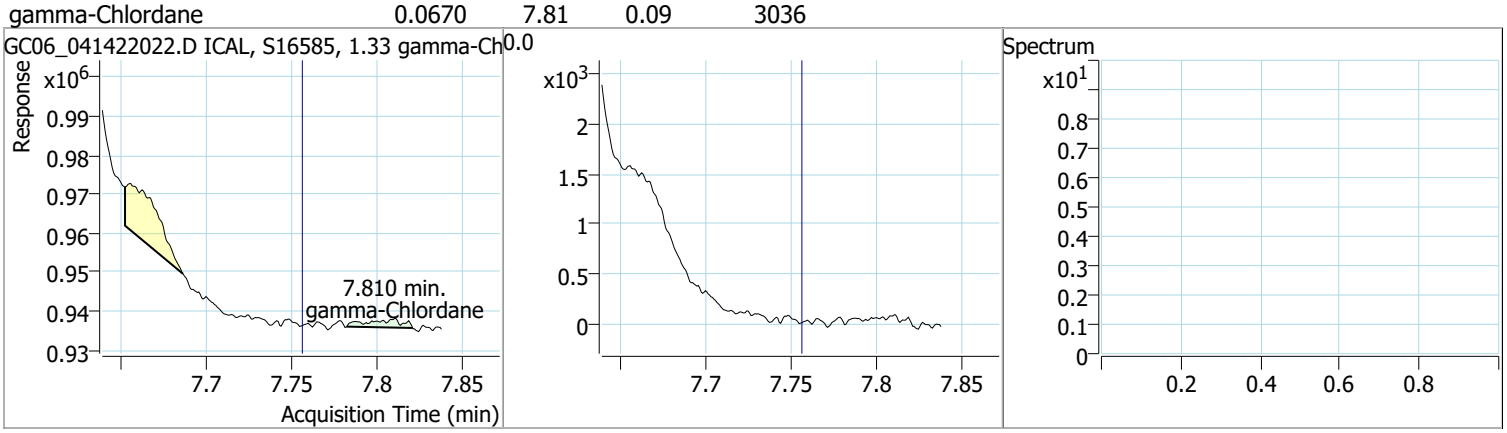
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	43.0312	7.60	0.07	2723636			



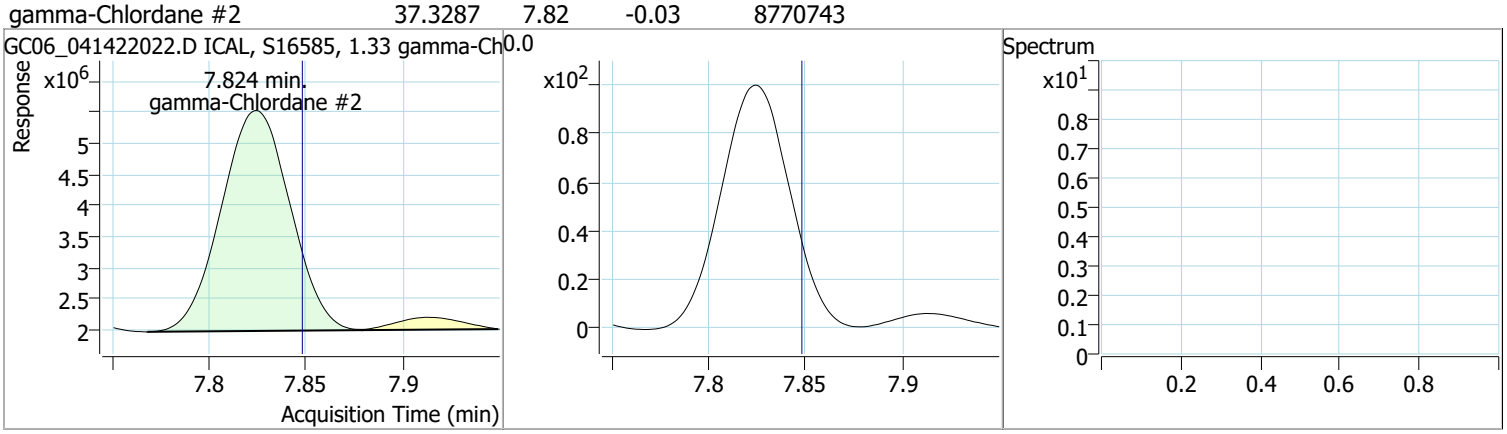
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	36.2856	7.51	-0.02	7838665			



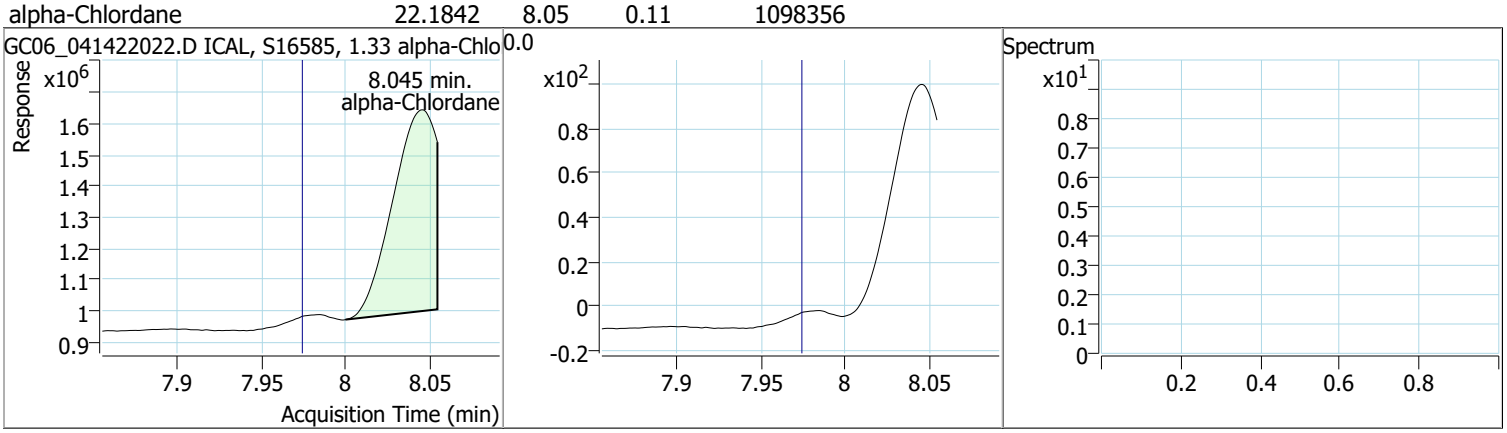
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.0670	7.81	0.09	3036			



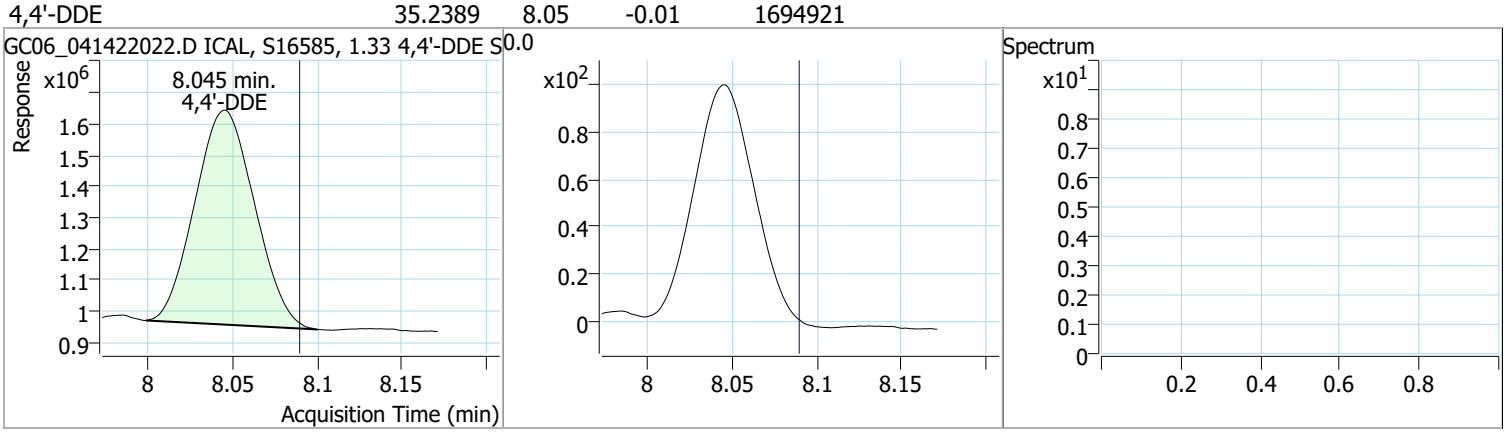
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	37.3287	7.82	-0.03	8770743			



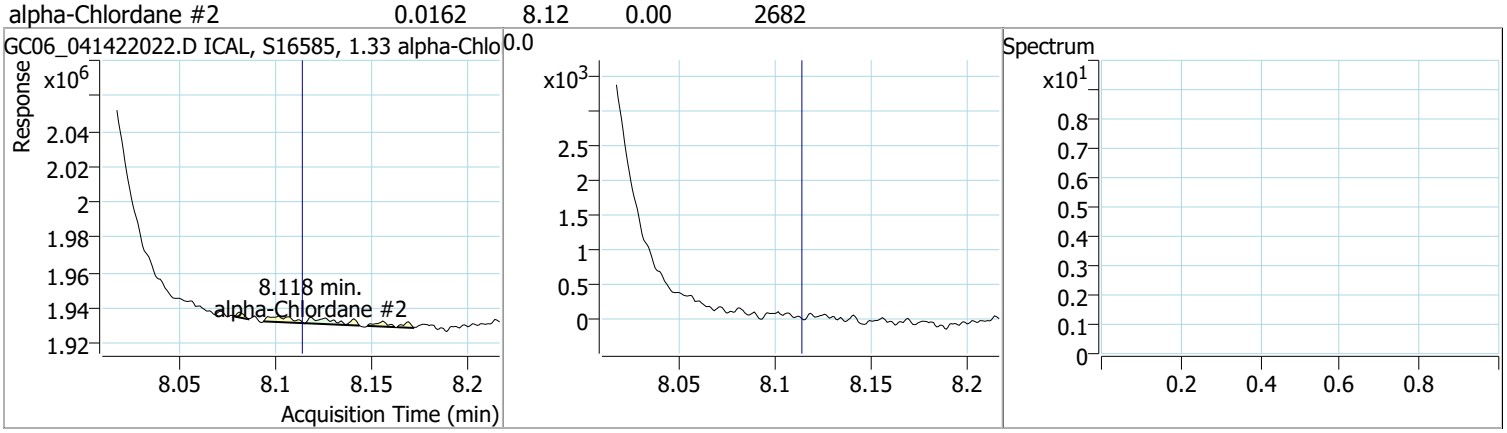
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	22.1842	8.05	0.11	1098356			



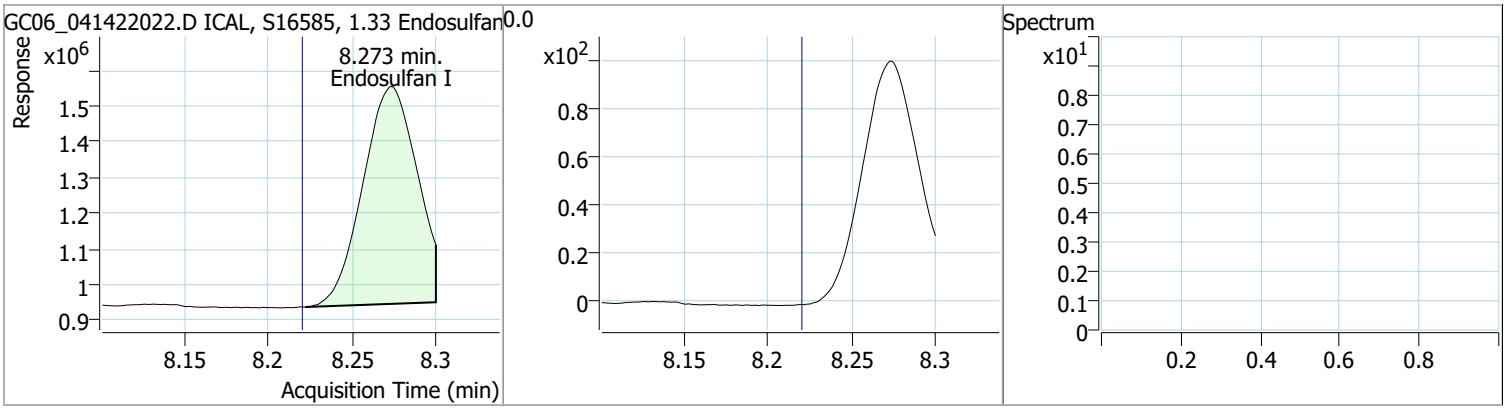
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	35.2389	8.05	-0.01	1694921			



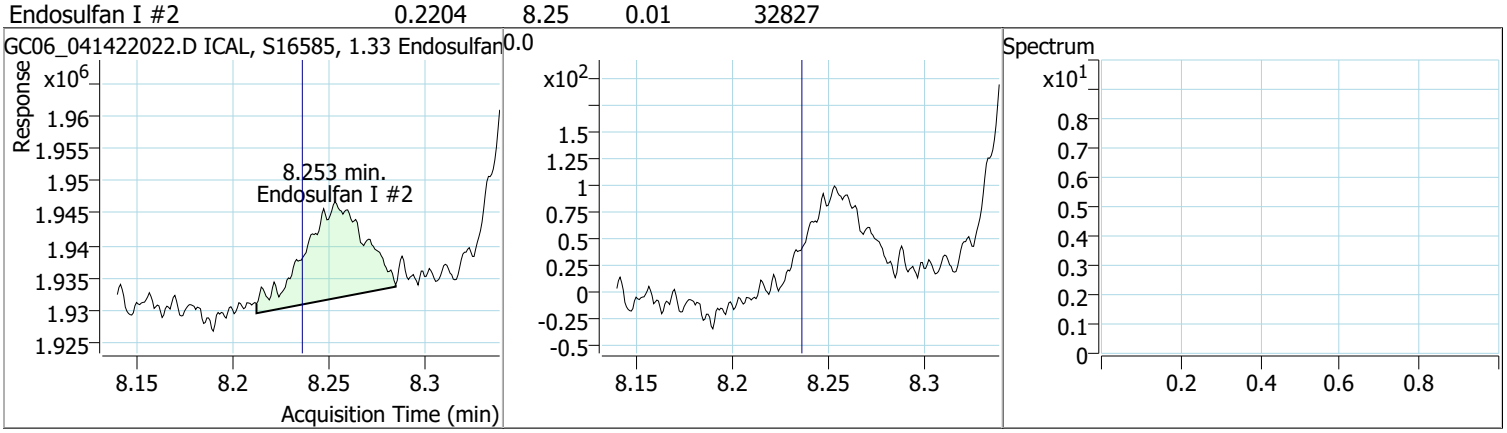
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane #2	0.0162	8.12	0.00	2682		



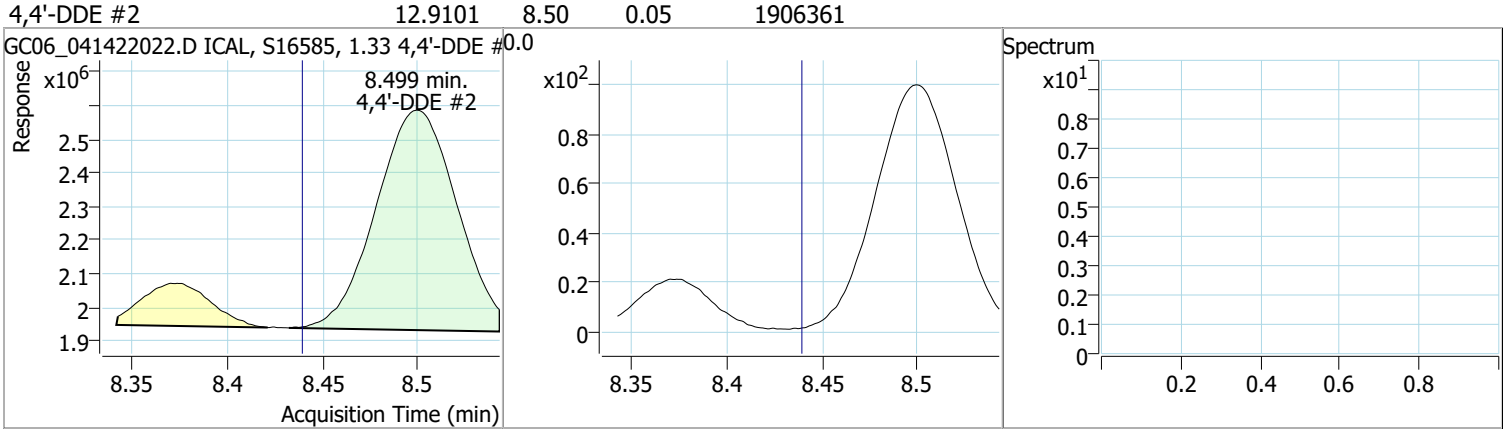
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	28.6798	8.27	0.09	1358875		



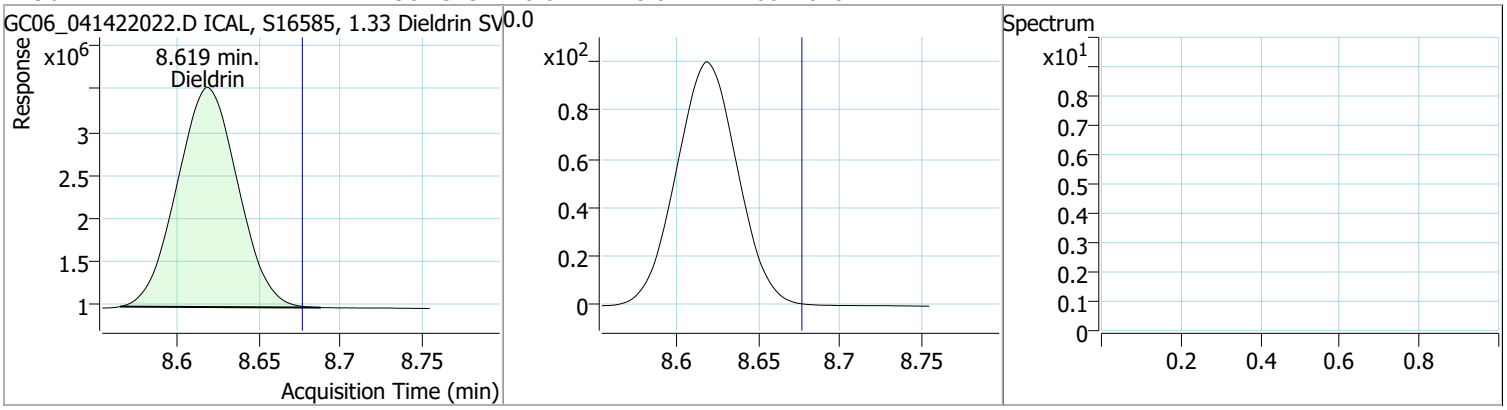
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endosulfan I #2	0.2204	8.25	0.01	32827		



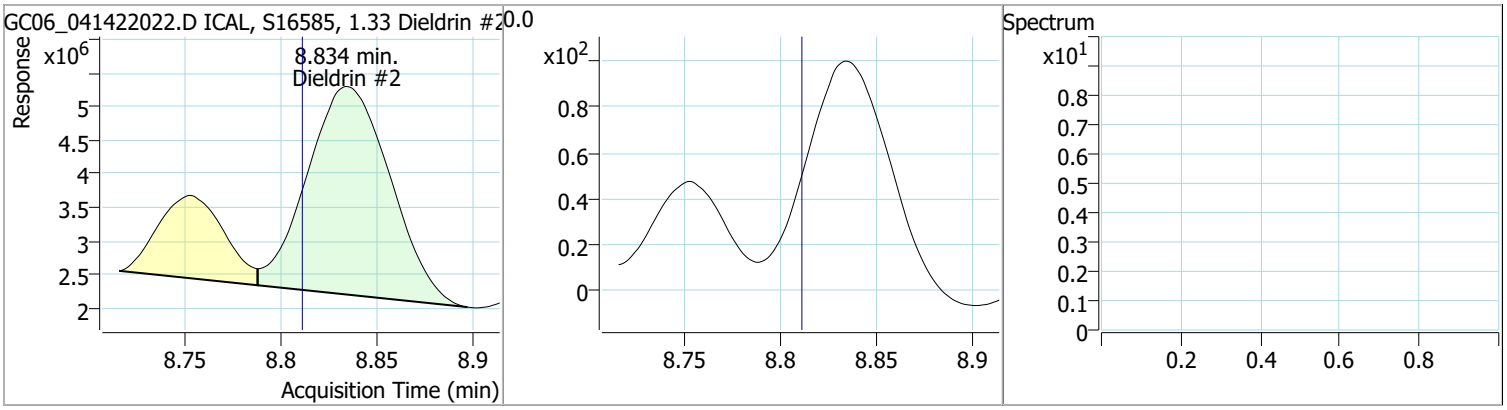
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	12.9101	8.50	0.05	1906361		



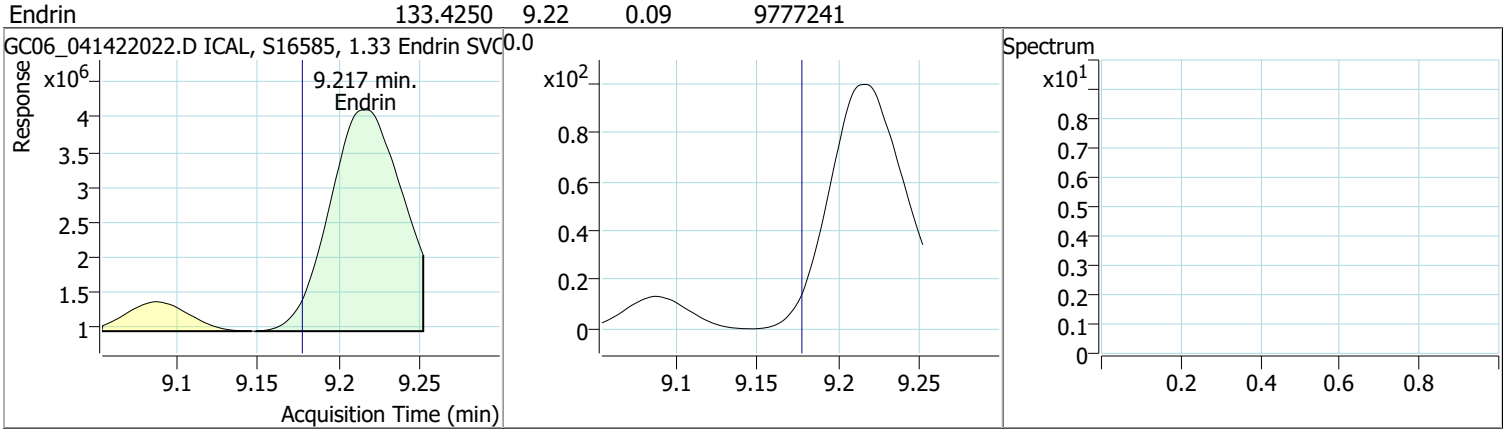
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin	98.2375	8.62	-0.01	6612828			



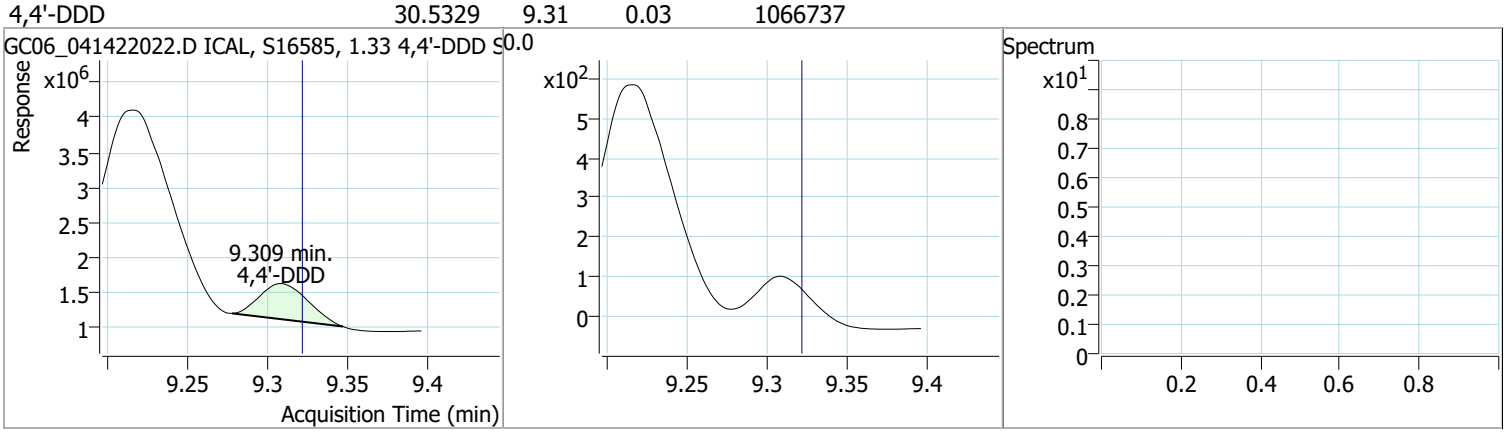
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	51.0192	8.83	0.02	9357717			



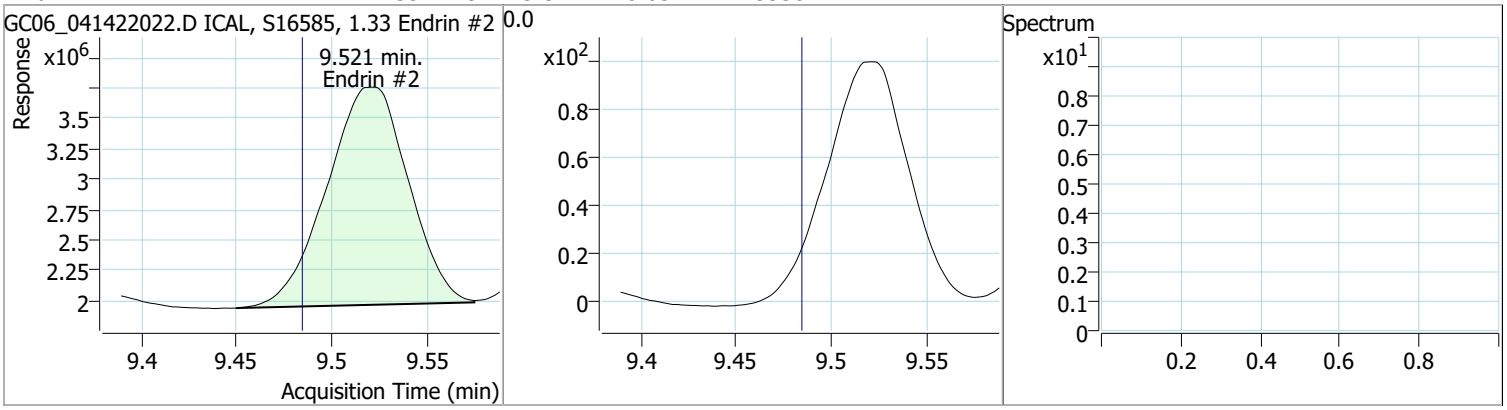
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin	133.4250	9.22	0.09	9777241			



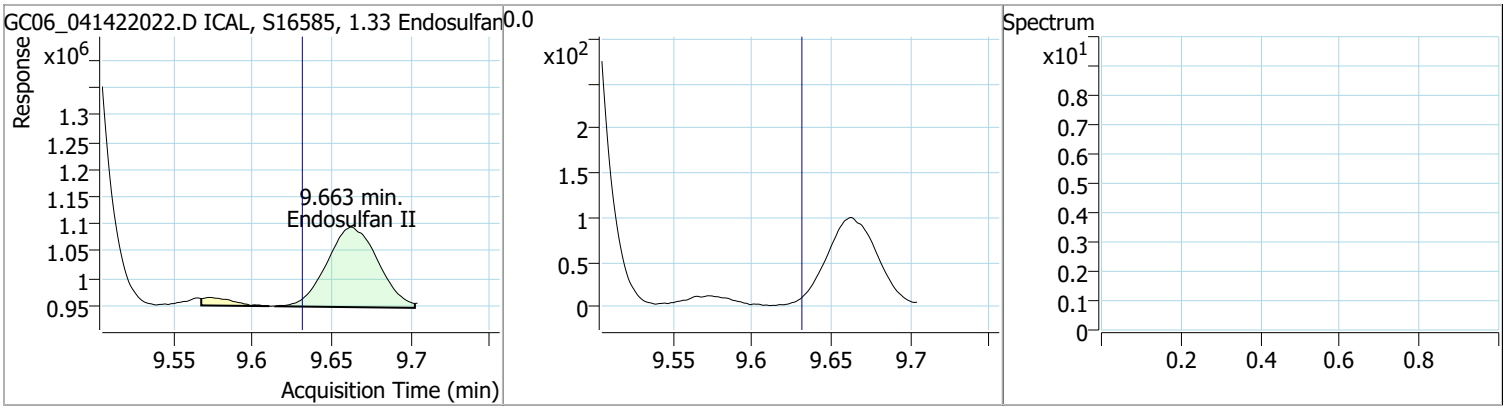
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	30.5329	9.31	0.03	1066737			



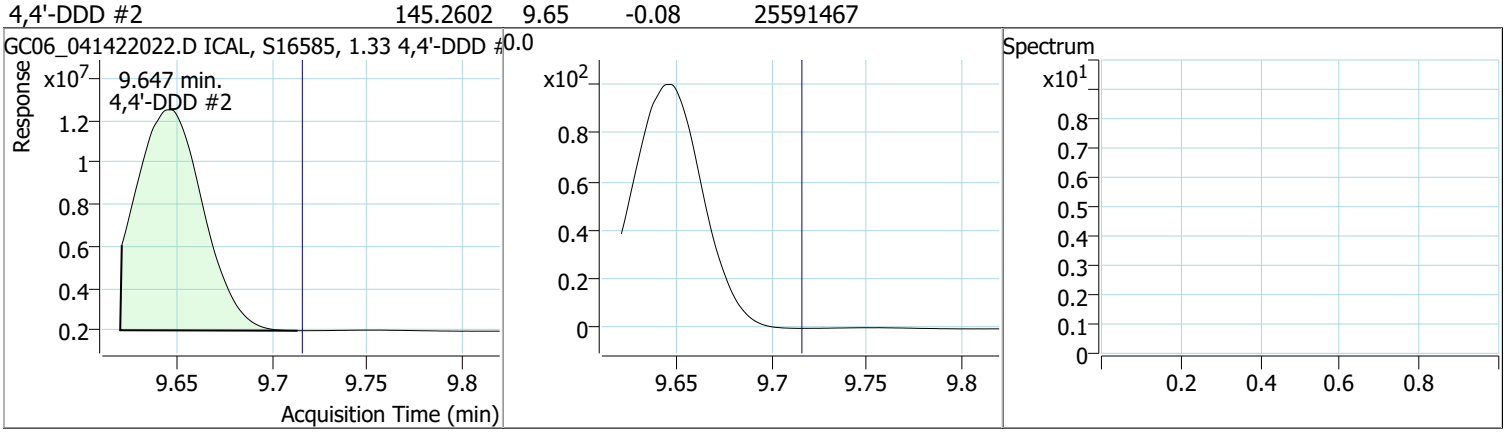
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin #2	33.4429	9.52	0.03	5338414			



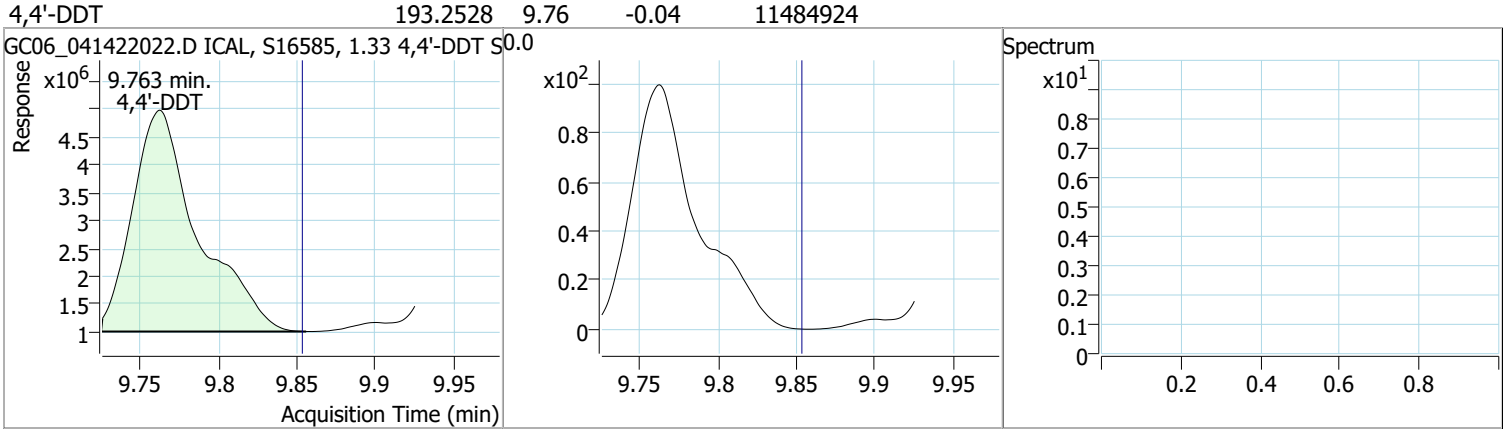
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II	7.6524	9.66	0.08	331711			



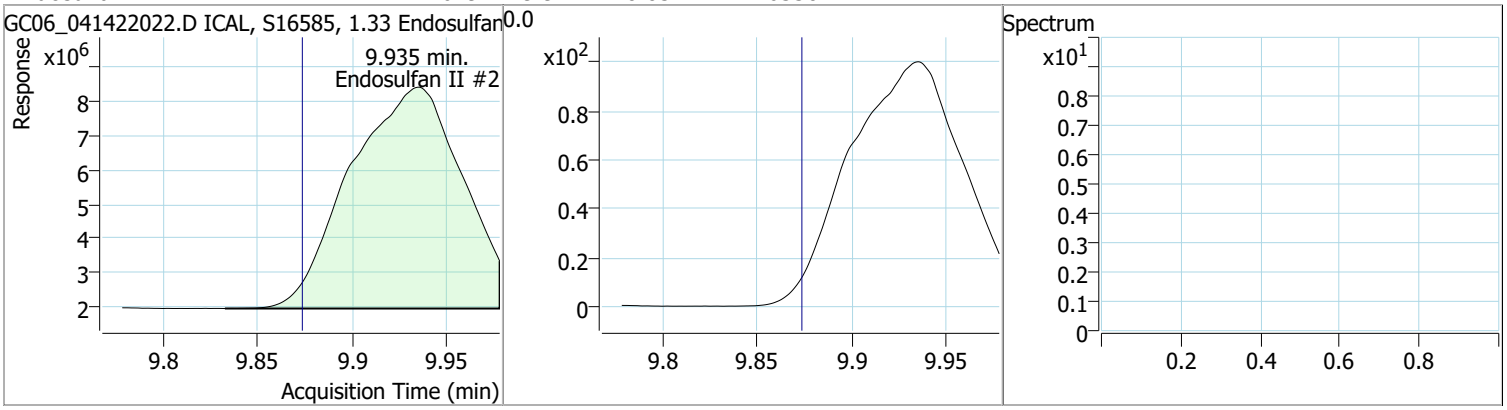
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	145.2602	9.65	-0.08	25591467			



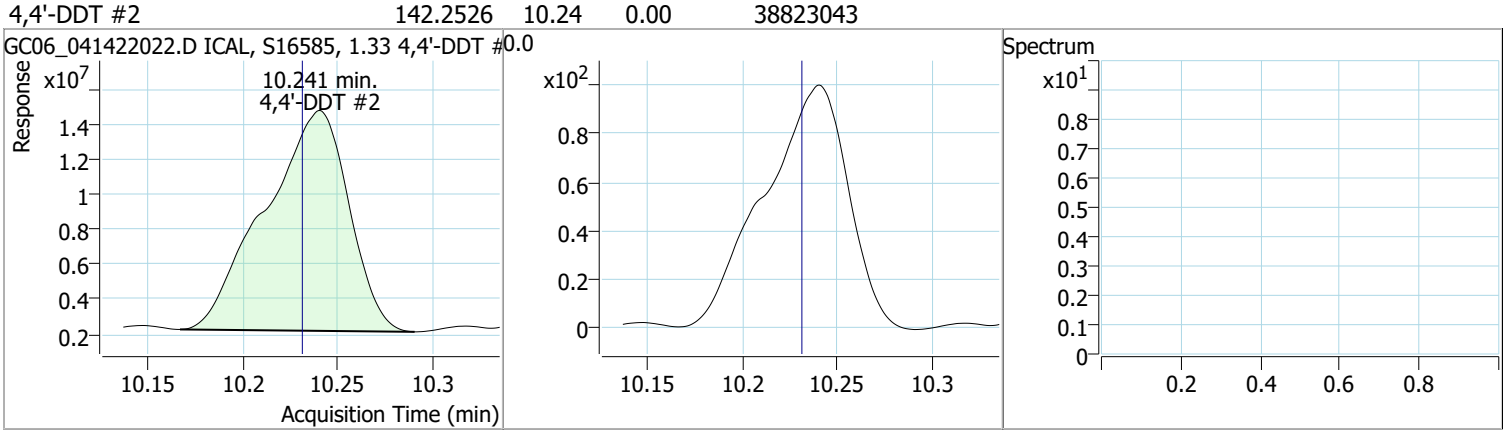
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	193.2528	9.76	-0.04	11484924			



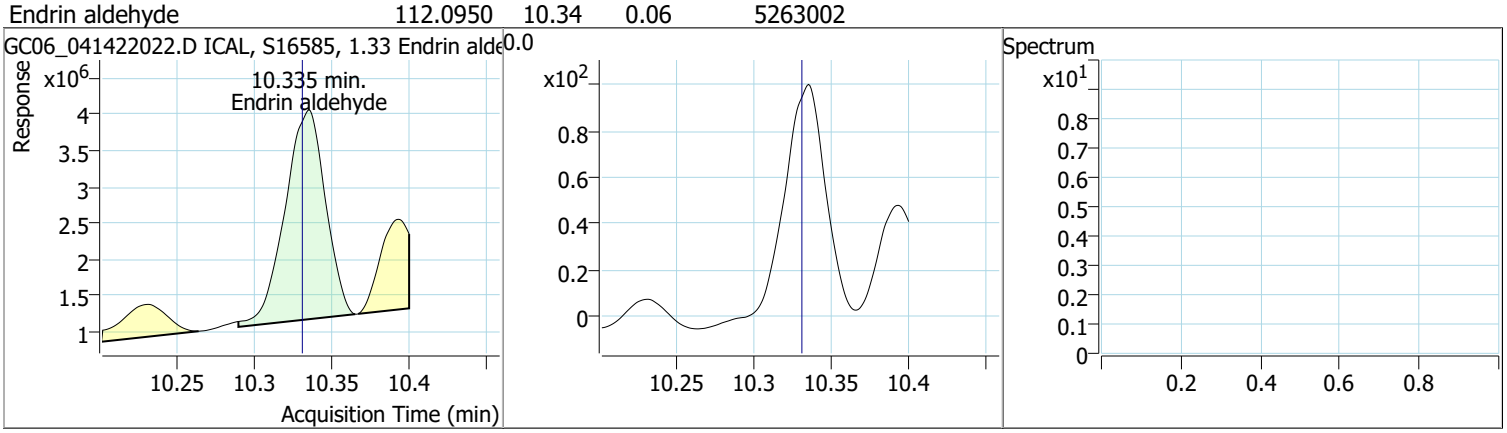
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	111.6491	9.94	0.05	26330722			



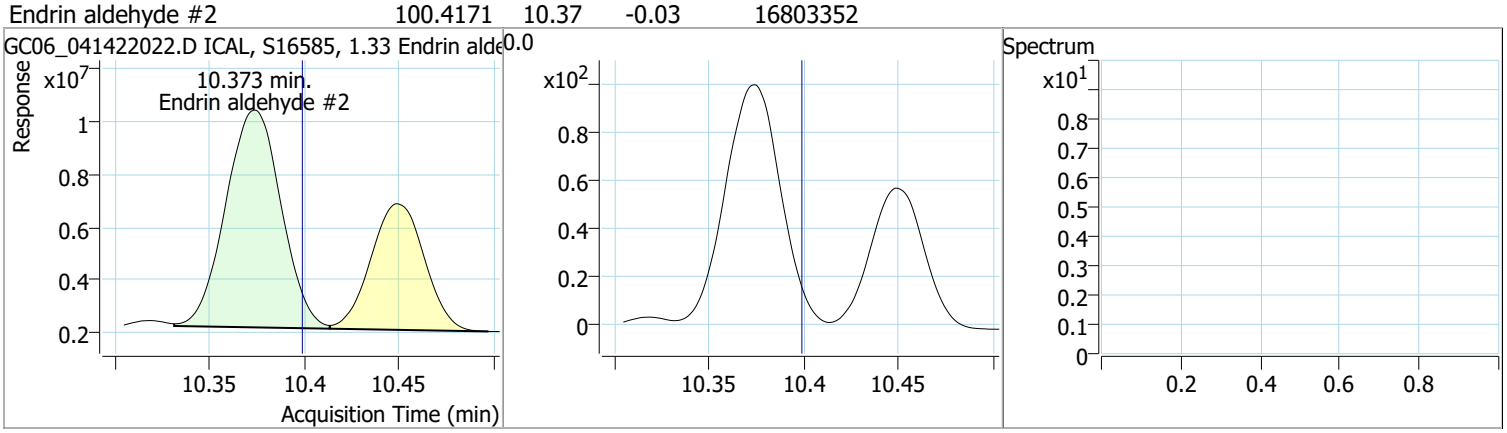
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	142.2526	10.24	0.00	38823043			



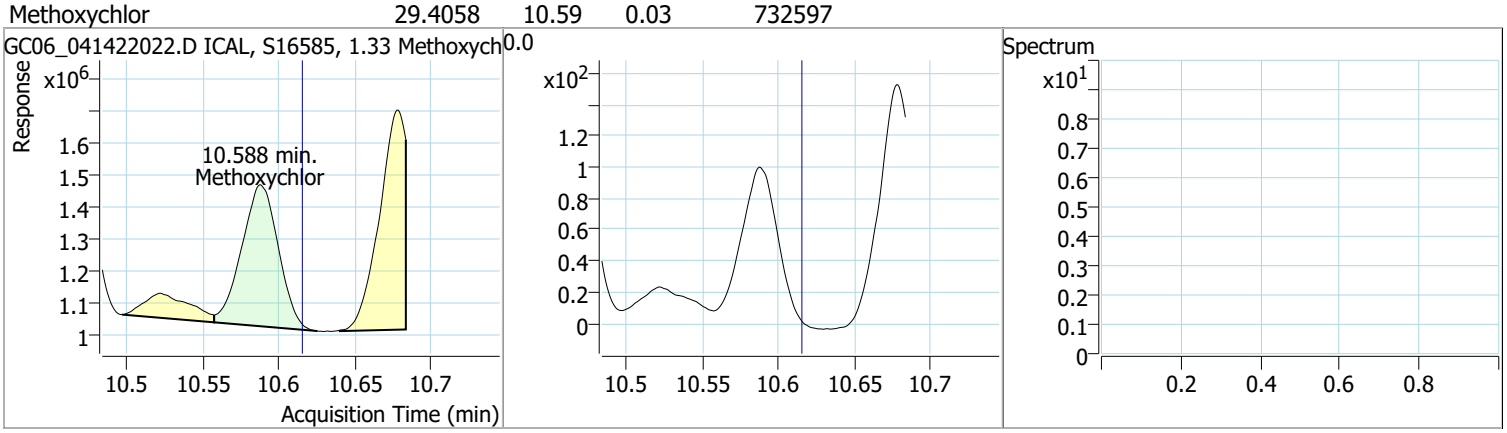
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	112.0950	10.34	0.06	5263002			



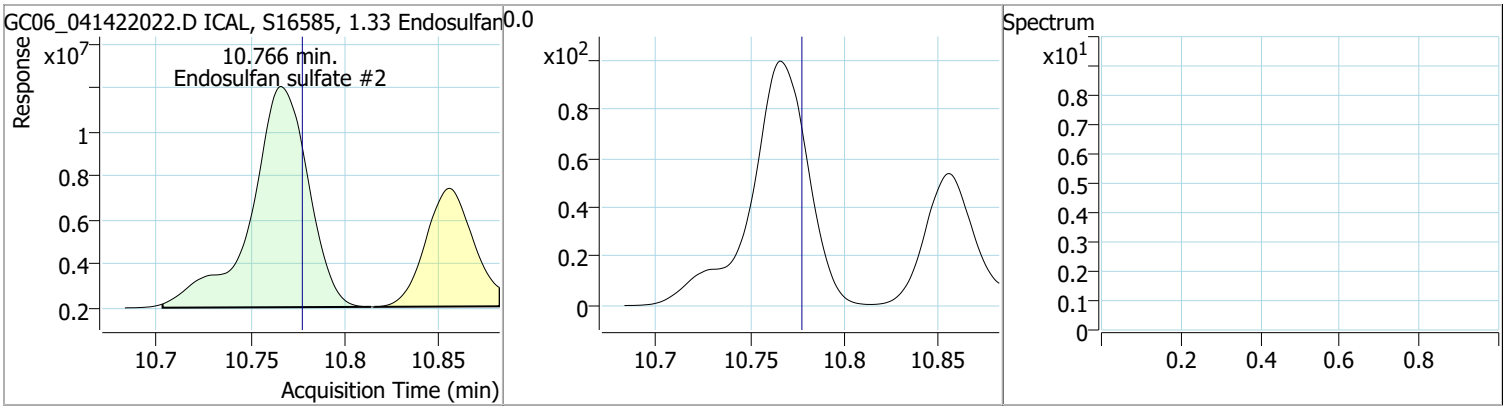
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	100.4171	10.37	-0.03	16803352			



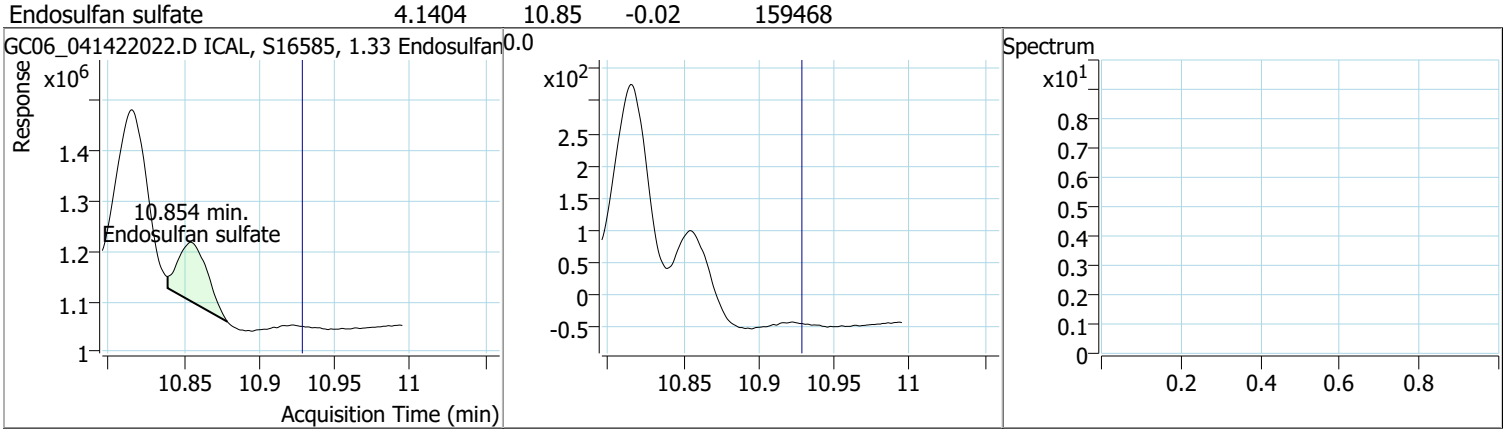
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	29.4058	10.59	0.03	732597			



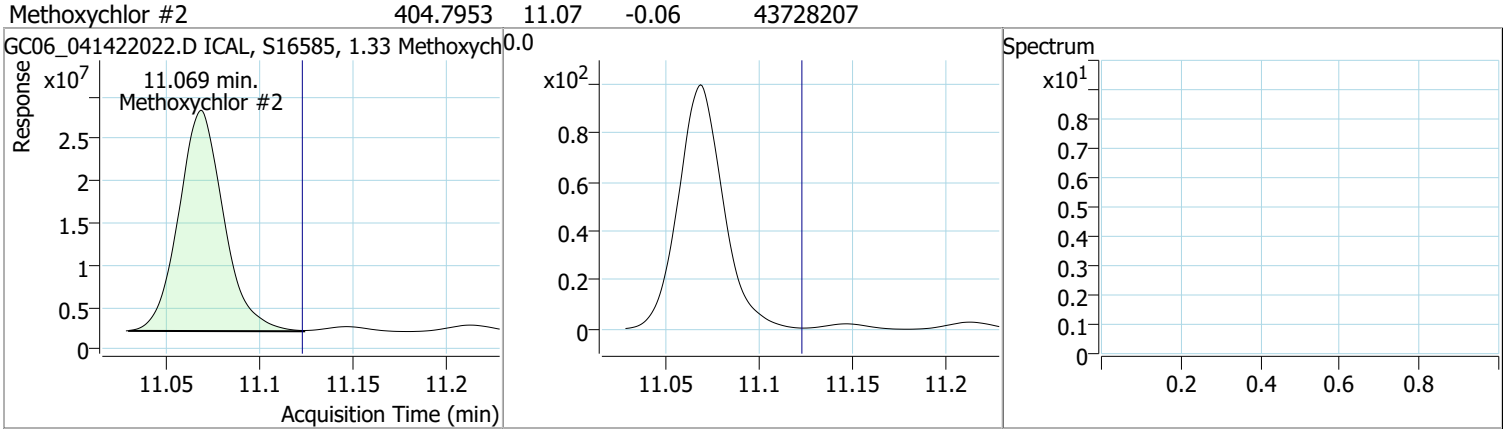
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	108.8634	10.77	-0.02	21350803			



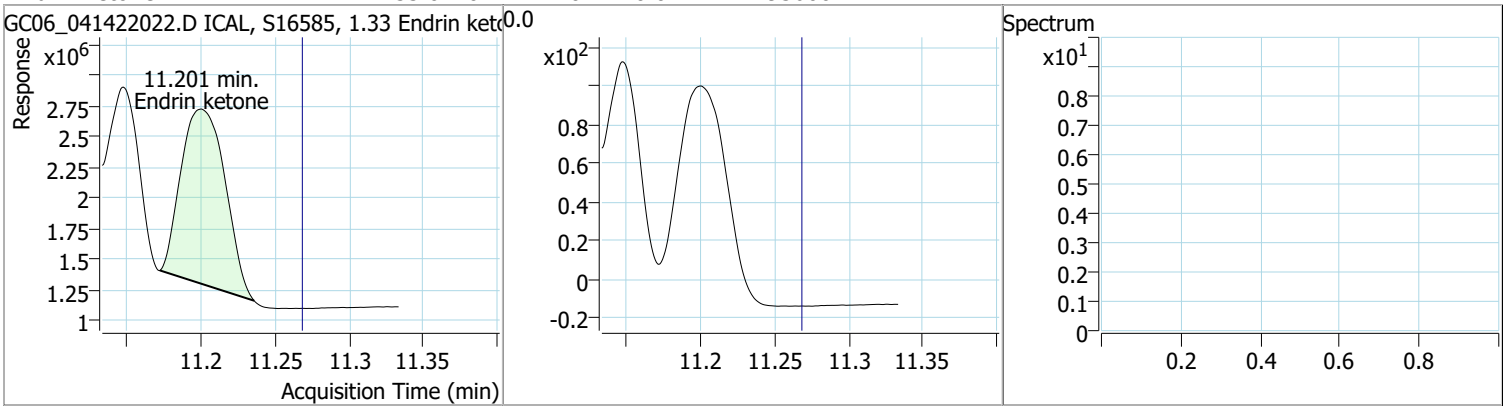
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	4.1404	10.85	-0.02	159468			



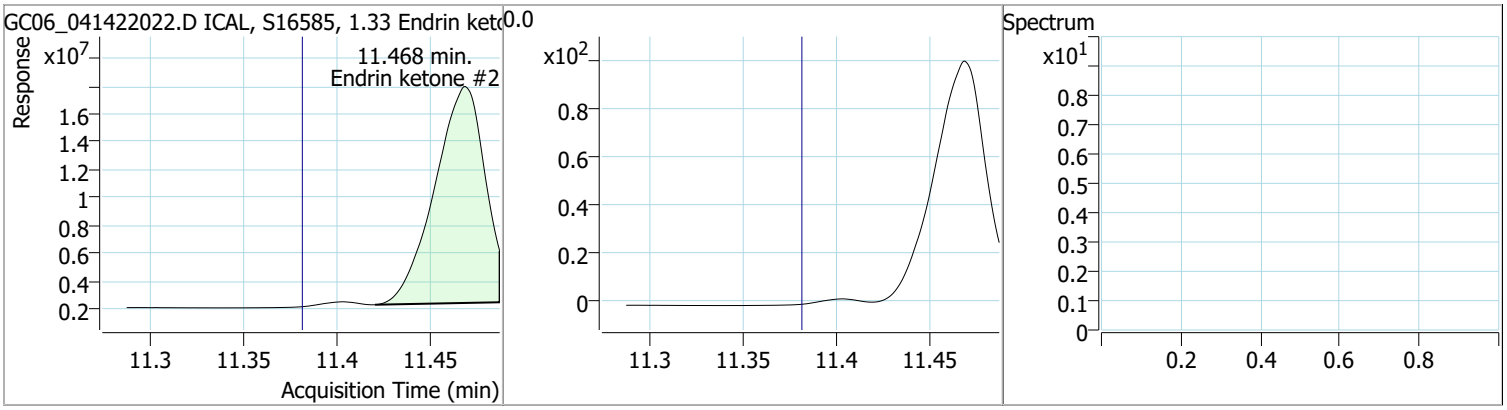
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	404.7953	11.07	-0.06	43728207			



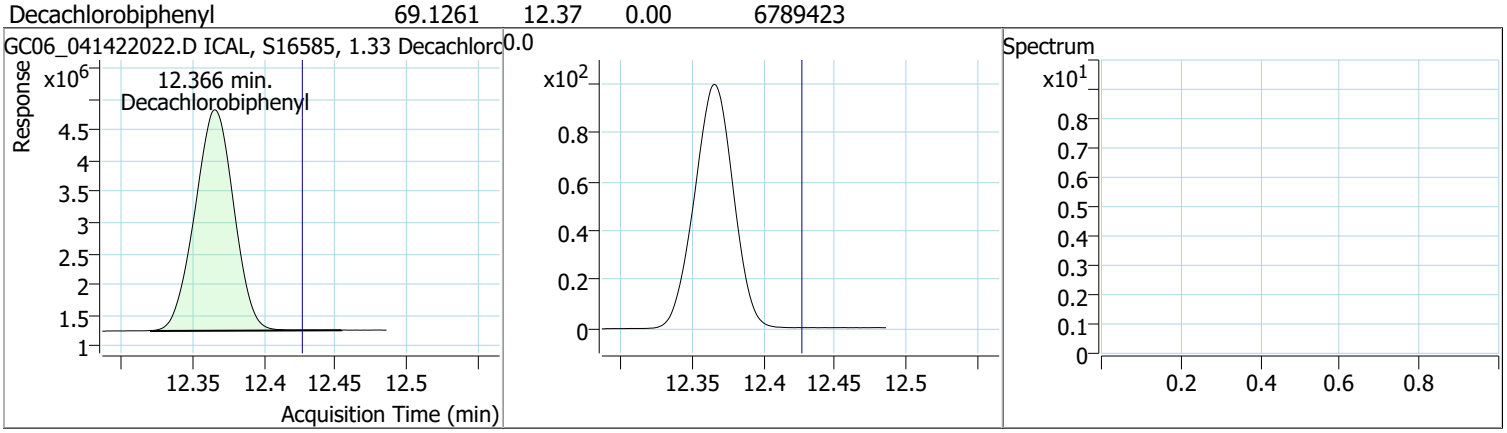
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	53.0210	11.20	-0.01	2936002			



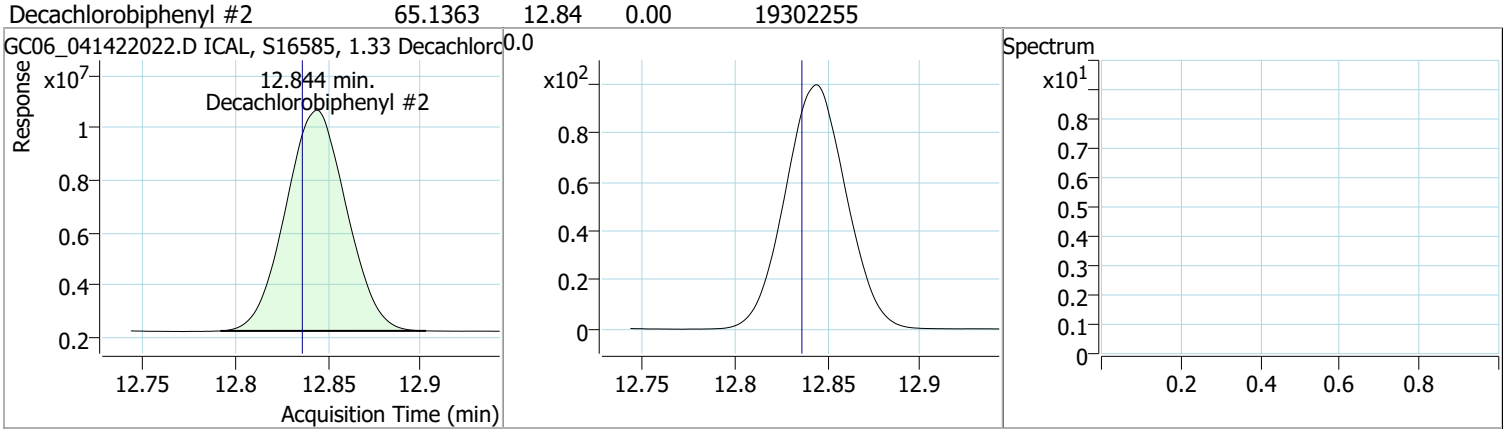
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	114.7893	11.47	0.08	28593437			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	69.1261	12.37	0.00	6789423			

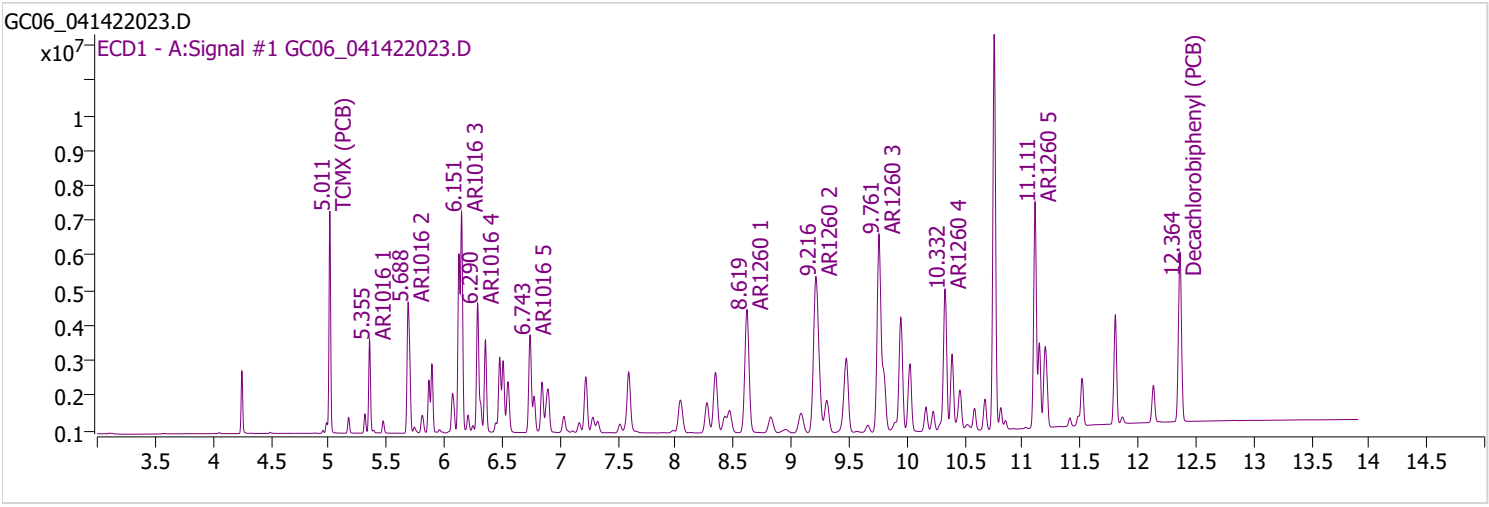


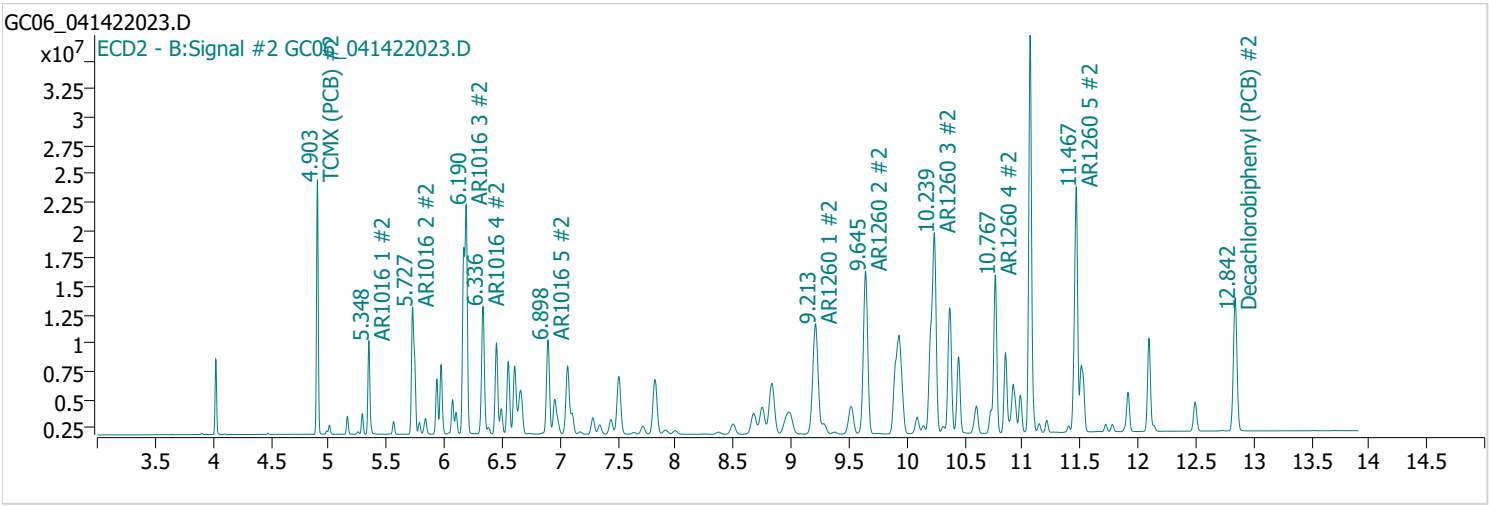
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	65.1363	12.84	0.00	19302255			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422023.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 9:01:51 PM
Sample Name	ICAL, S16585, 1	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 119	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



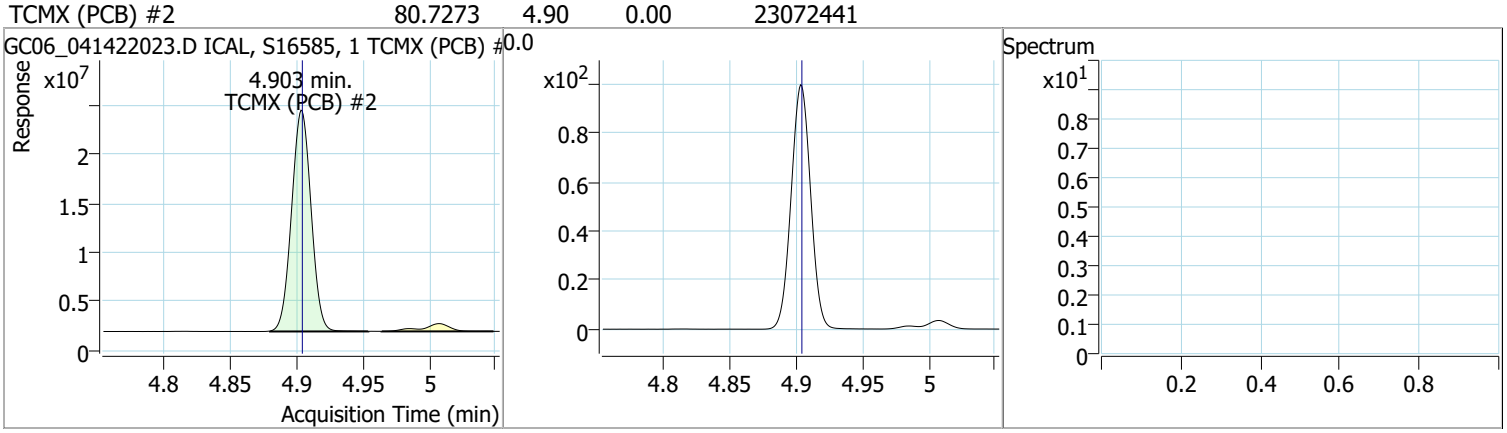


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.251	4.025	1728200	6239853	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.011	4.903	6326720	23072441	76.109	80.727	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	380.55% *	403.64% *	
S Decachlorobiphenyl (PCB)	12.364	12.842	8981647	25771825	68.352	68.446	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	341.76% *	342.23% *	
Target Compounds							
T AR1016 1	5.355	5.348	2929621	10090873	1733.008	1726.875	ng/ml
T AR1016 2	5.688	5.727	6182408	21228359	1679.632	1750.565	ng/ml
T AR1016 3	6.151	6.190	7982433	29510280 m	1842.689	1845.253	ng/ml
T AR1016 4	6.290	6.336	5804825	19279898	1790.637	1776.968	ng/ml
T AR1016 5	6.743	6.898	4390712	15286645	1750.926	1802.095	ng/ml
T AR1260 1	8.619	9.213	9121847	31736730 m	1677.209	1680.482	ng/ml
T AR1260 2	9.216	9.645	14329665	37530247	1710.621	1719.867	ng/ml
T AR1260 3	9.761	10.239	16042802 m	53137458	1842.237	1792.328	ng/ml
T AR1260 4	10.332	10.767	7597633	28812281	1754.273	1795.986	ng/ml

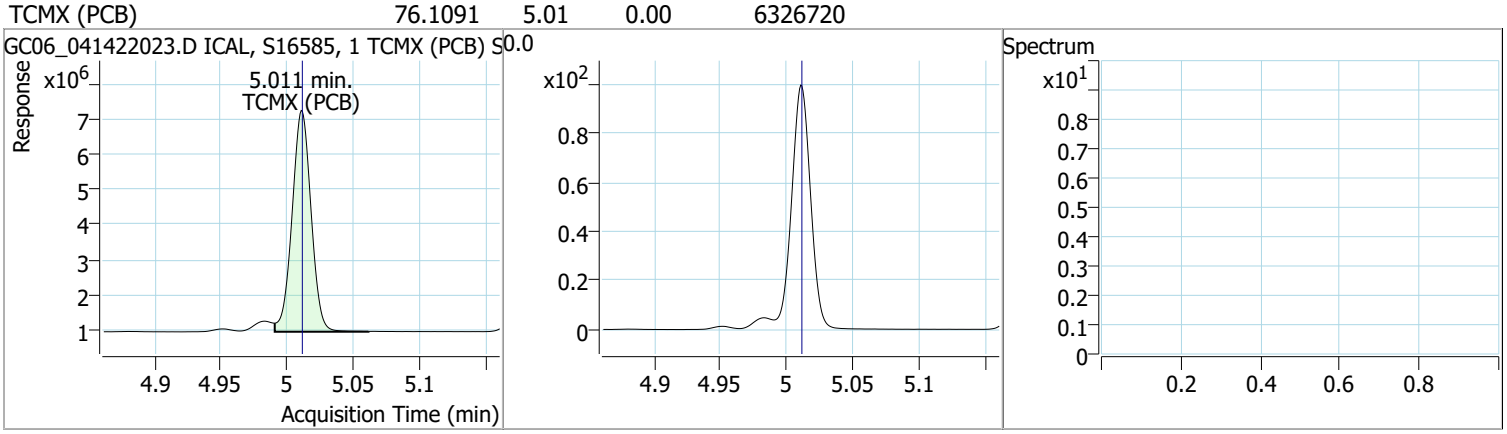
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.111	11.467	10625267	42001201	1853.637	1775.789	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

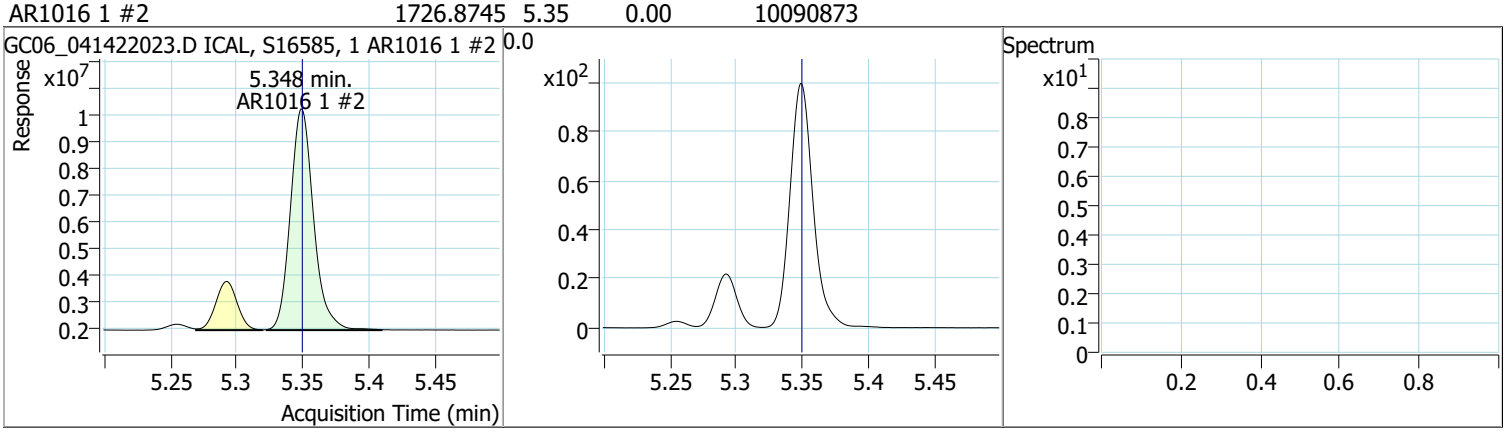
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	80.7273	4.90	0.00	23072441			



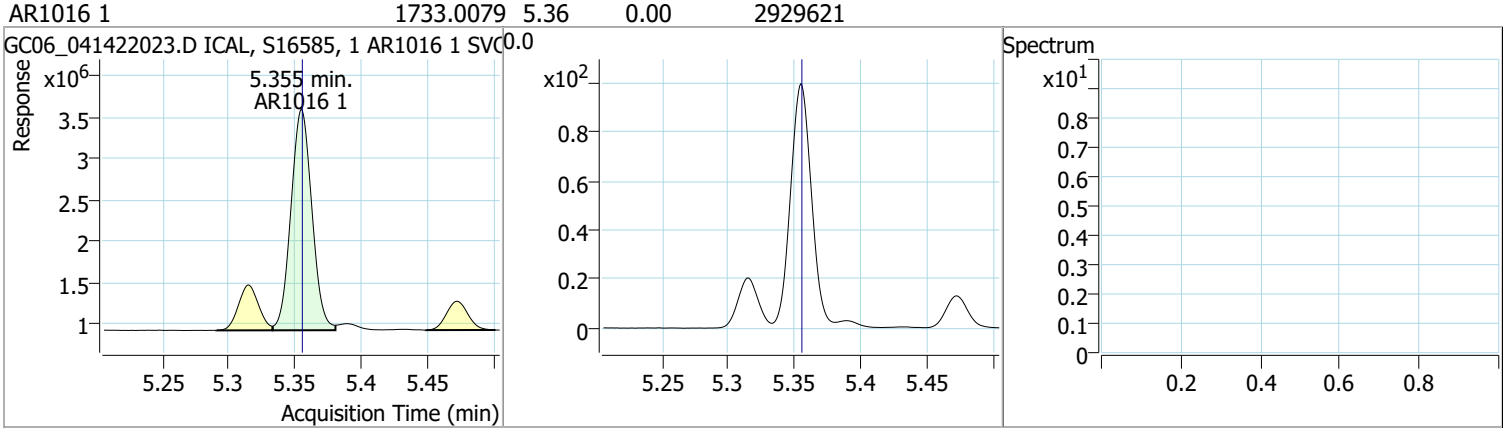
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	76.1091	5.01	0.00	6326720			



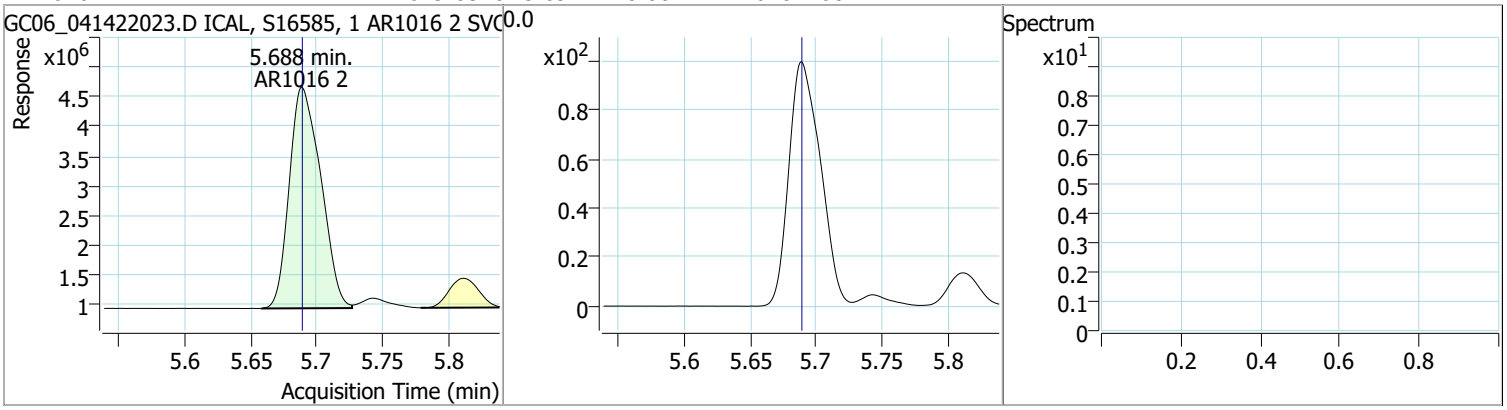
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	1726.8745	5.35	0.00	10090873			



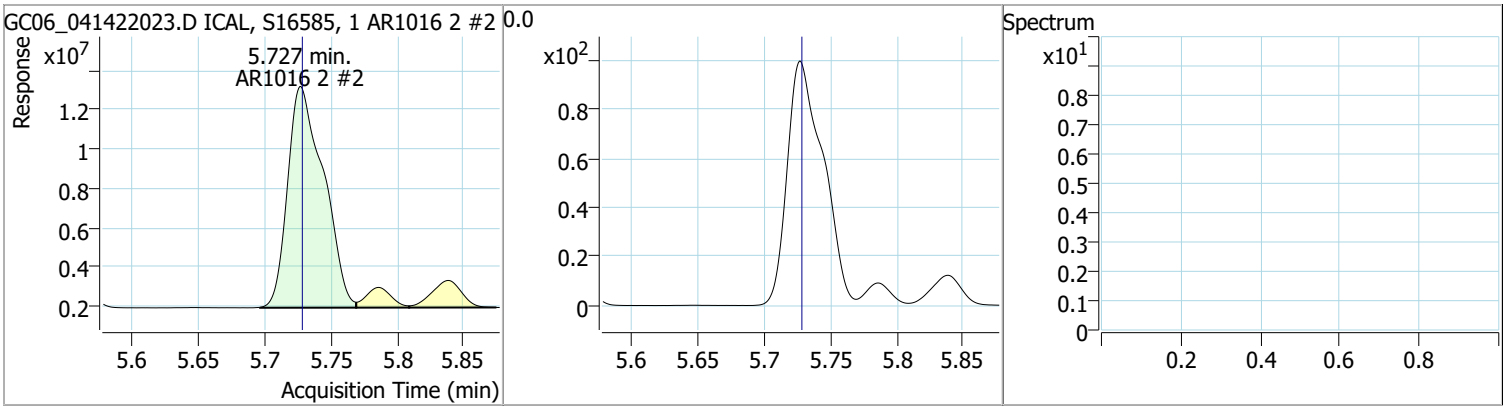
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	1733.0079	5.36	0.00	2929621			



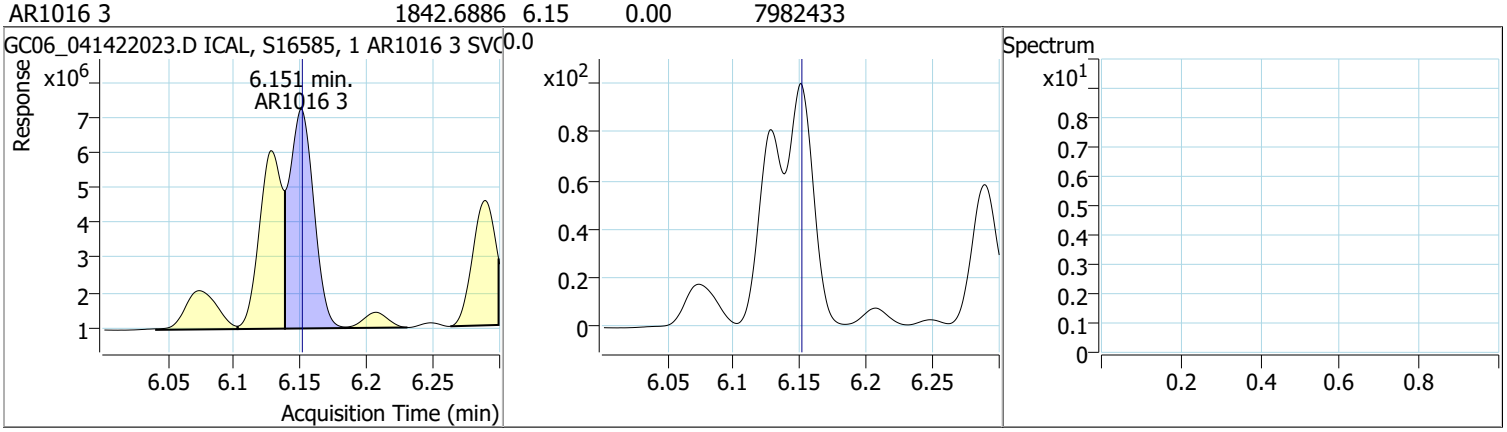
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	1679.6318	5.69	0.00	6182408			



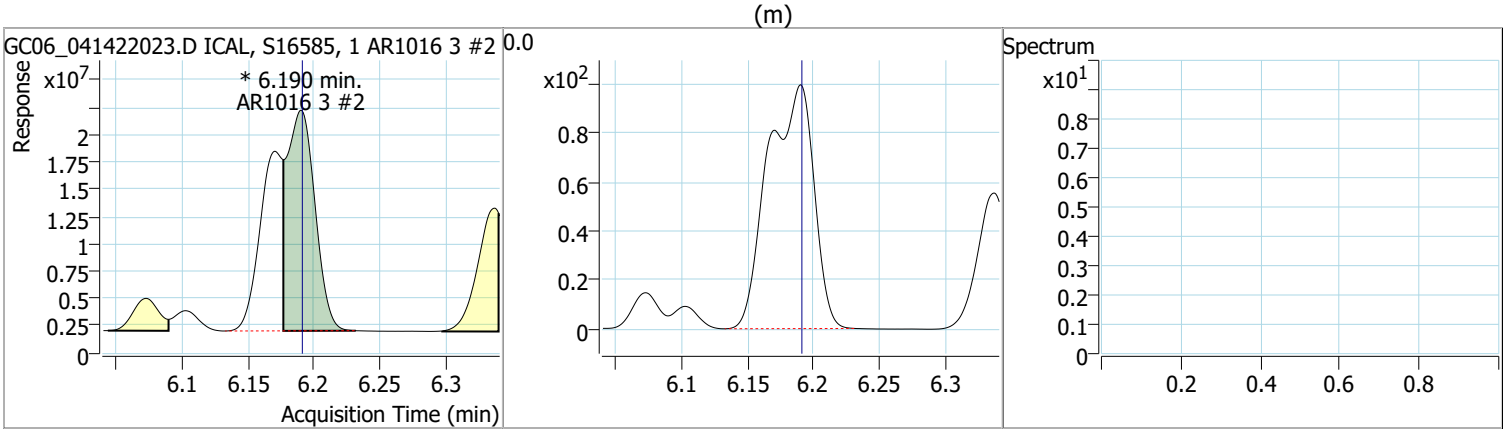
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	1750.5648	5.73	0.00	21228359			



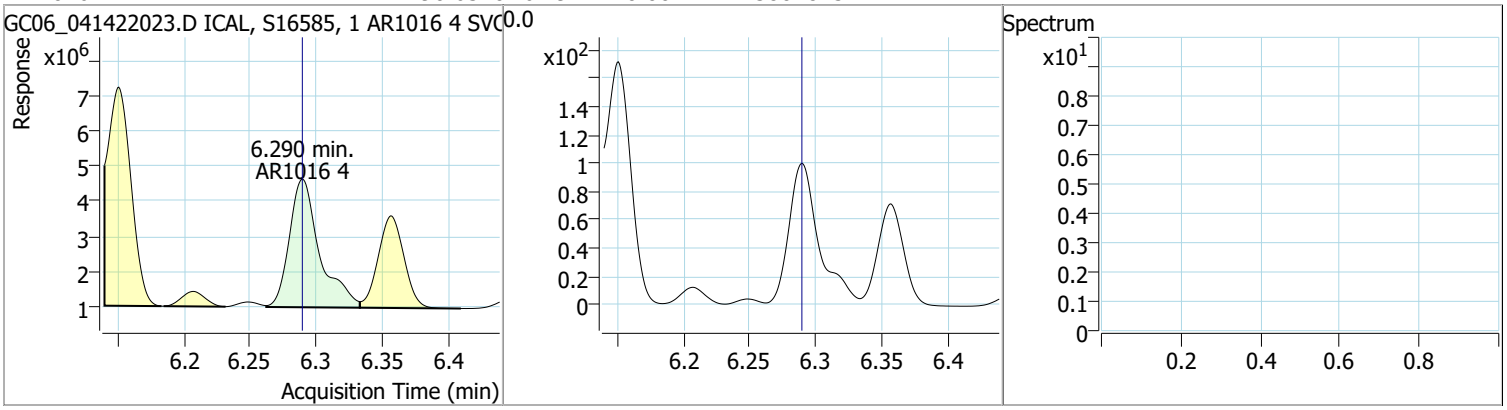
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	1842.6886	6.15	0.00	7982433			



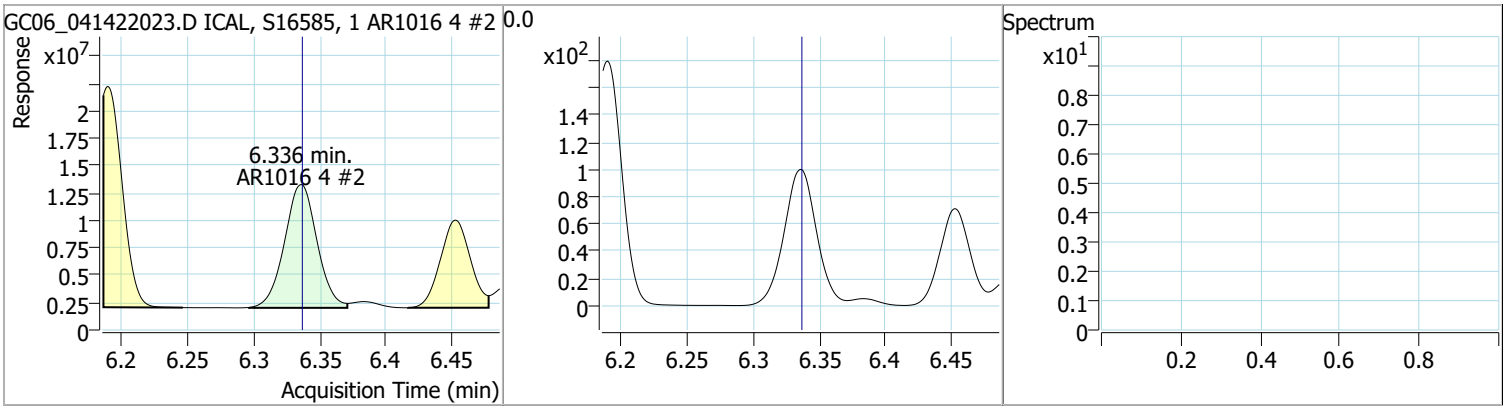
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	1845.2535	6.19	0.00	29510280 (m)			



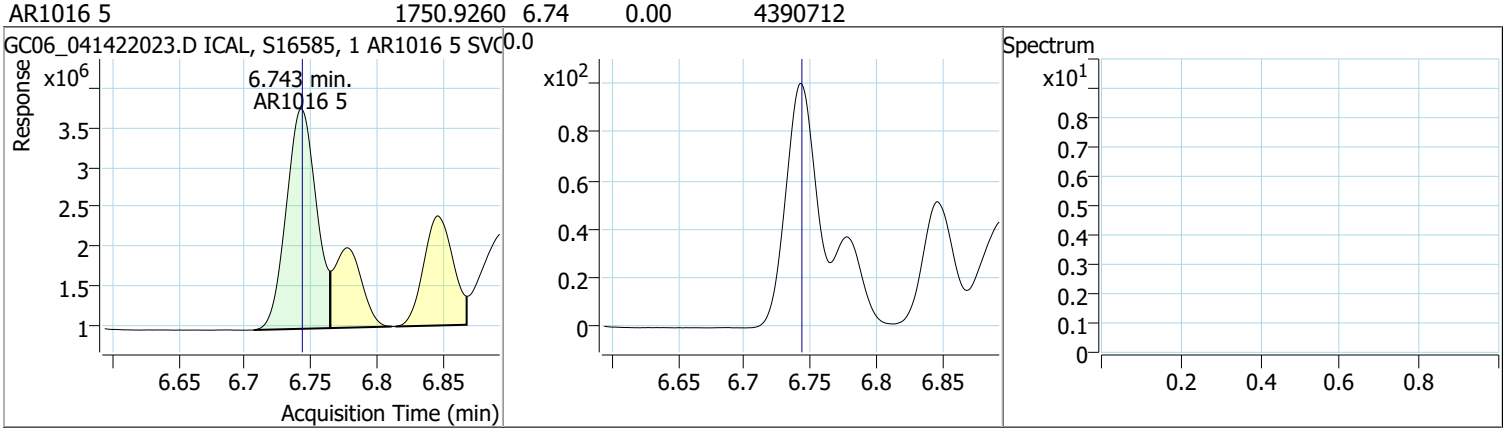
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	1790.6370	6.29	0.00	5804825			



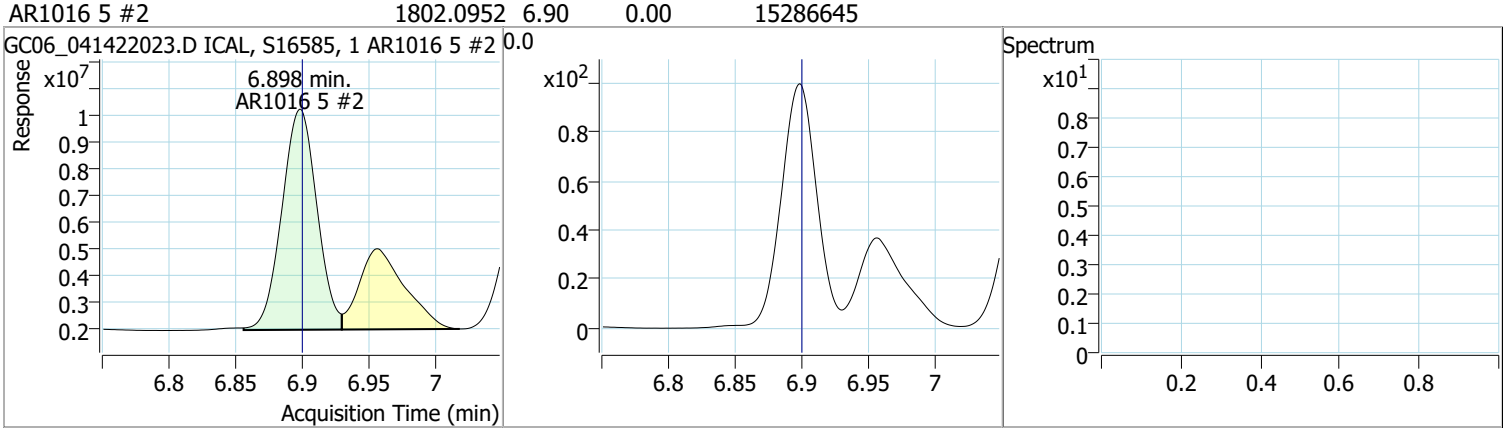
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	1776.9682	6.34	0.00	19279898			



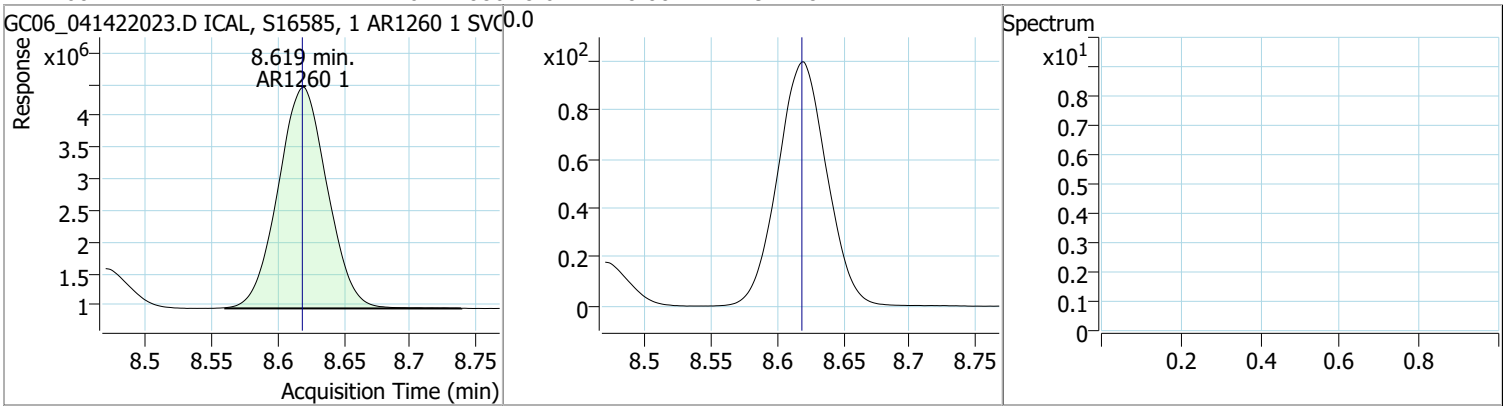
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	1750.9260	6.74	0.00	4390712			



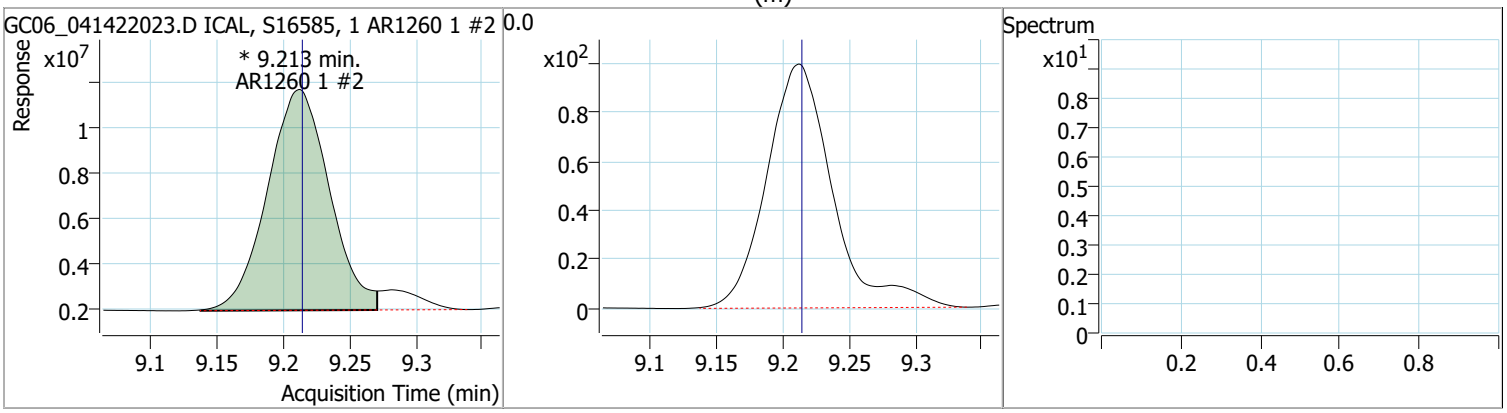
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	1802.0952	6.90	0.00	15286645			



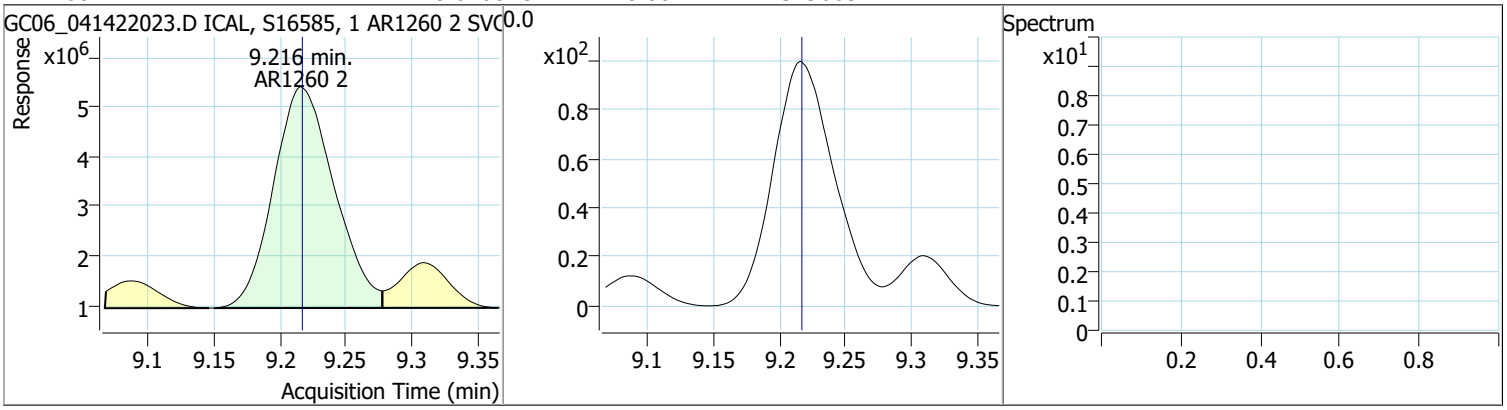
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	1677.2086	8.62	0.00	9121847			



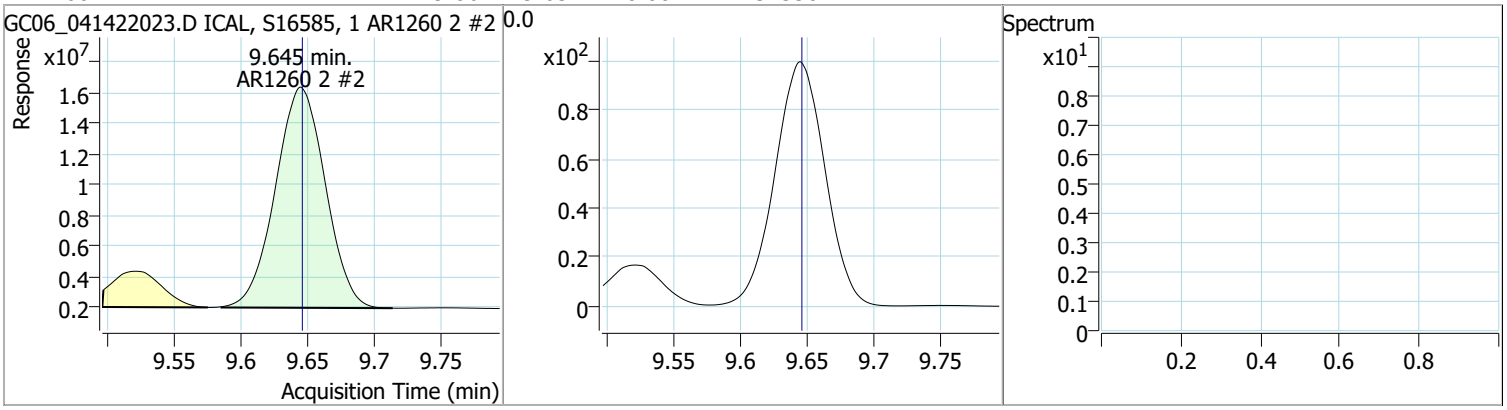
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	1680.4825	9.21	0.00	31736730 (m)			



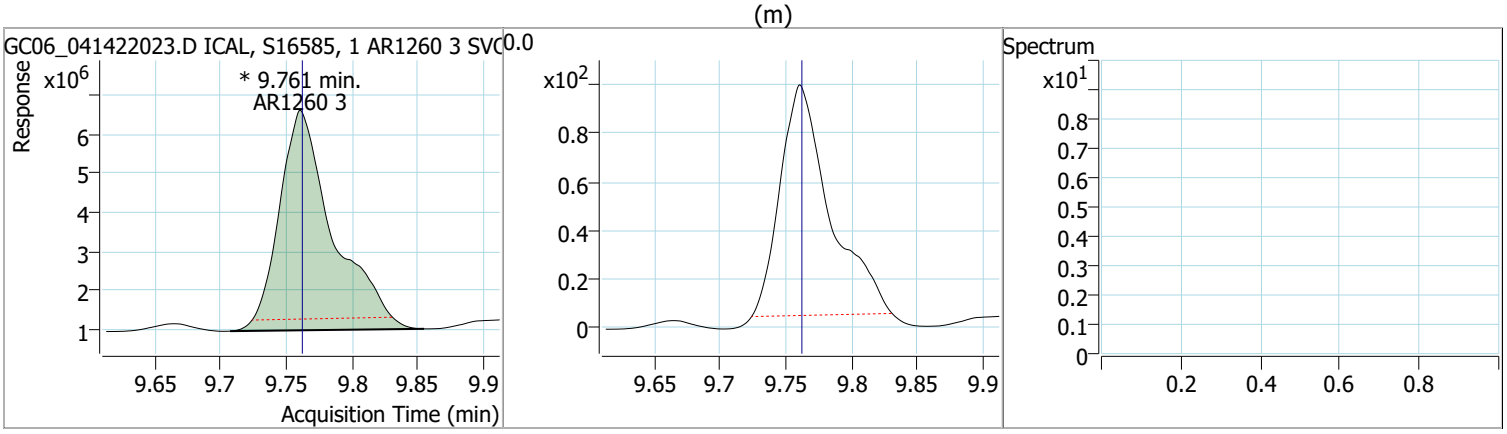
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	1710.6208	9.22	0.00	14329665			



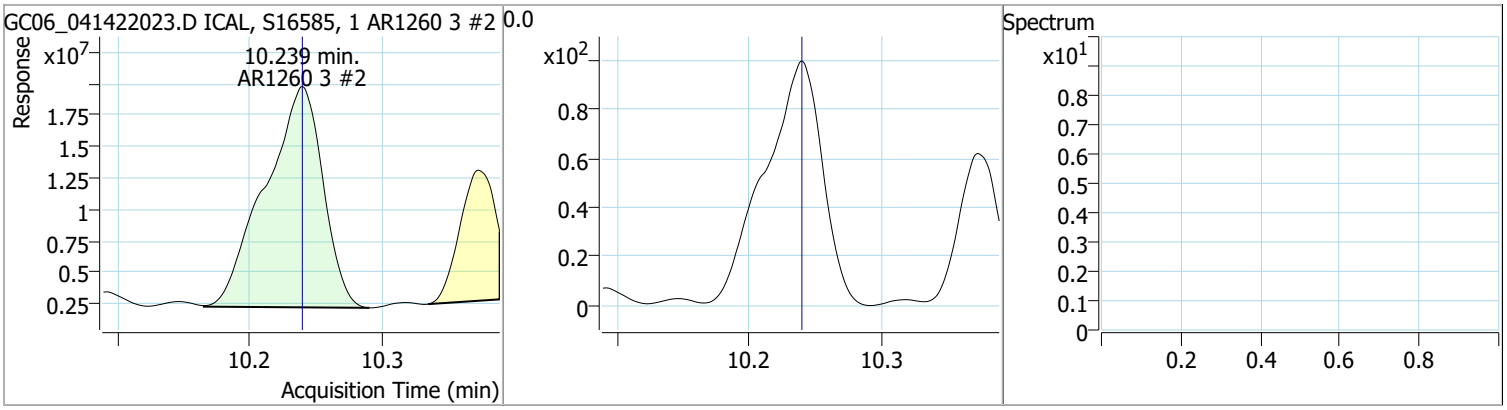
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	1719.8671	9.65	0.00	37530247			



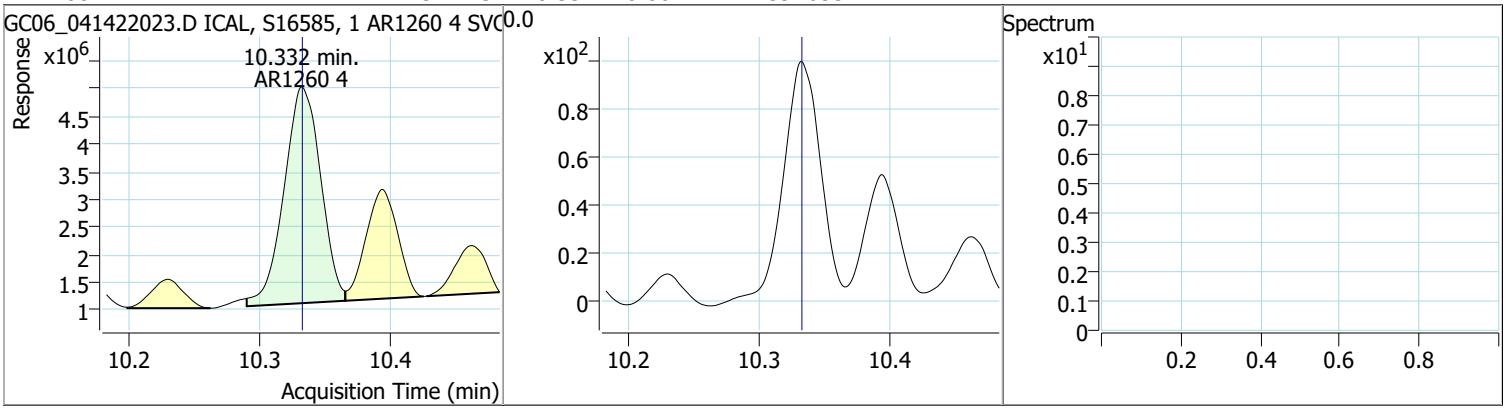
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	1842.2370	9.76	0.00	16042802 (m)			



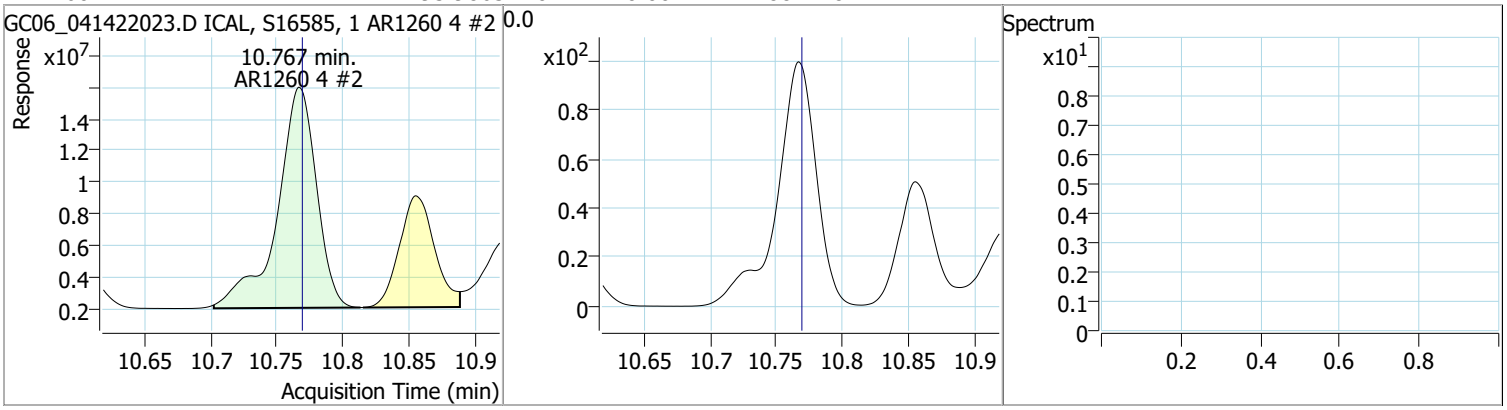
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	1792.3281	10.24	0.00	53137458			



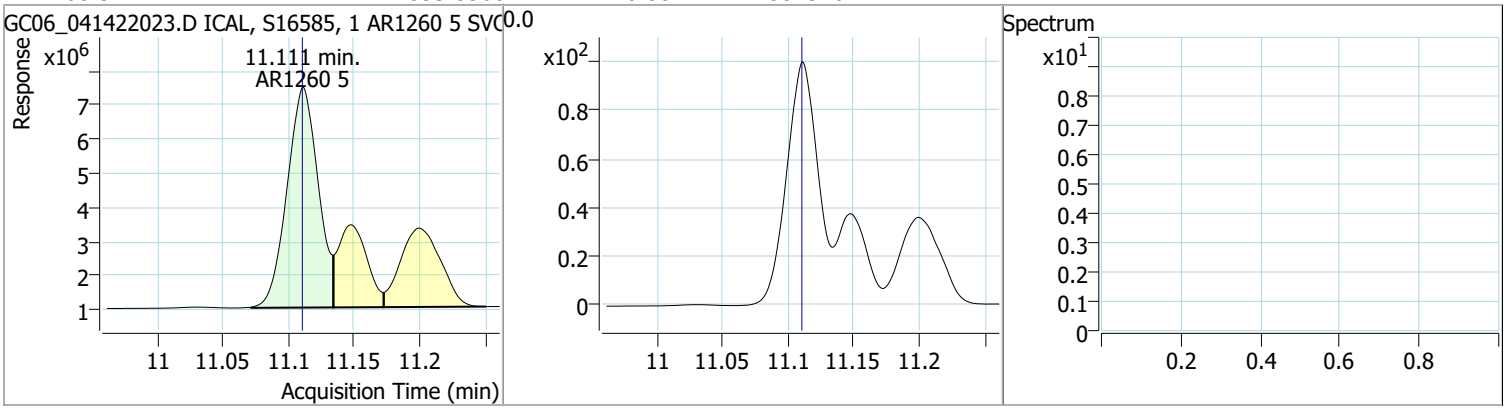
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	1754.2734	10.33	0.00	7597633			



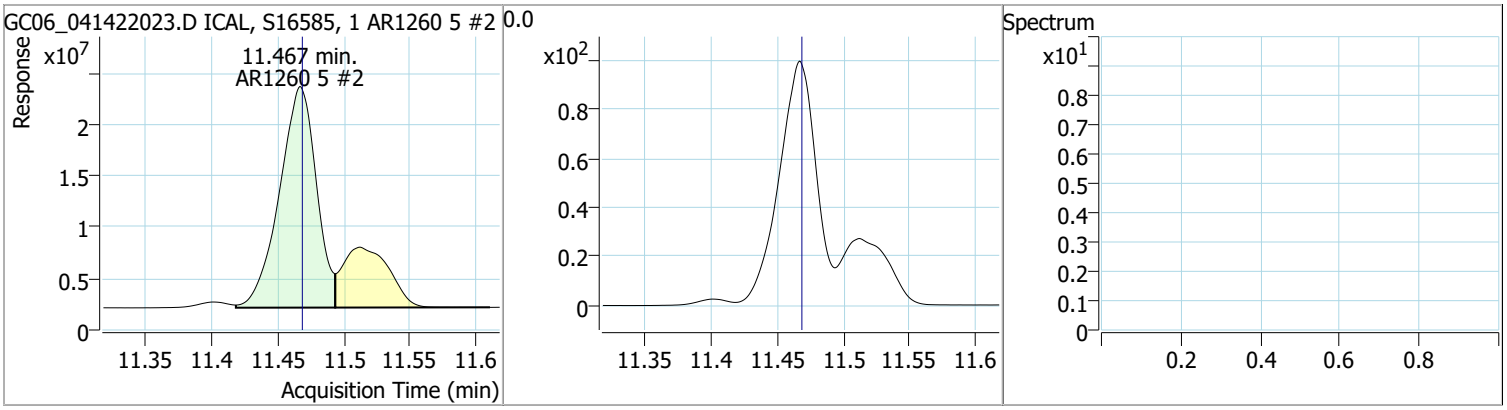
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	1795.9863	10.77	0.00	28812281			



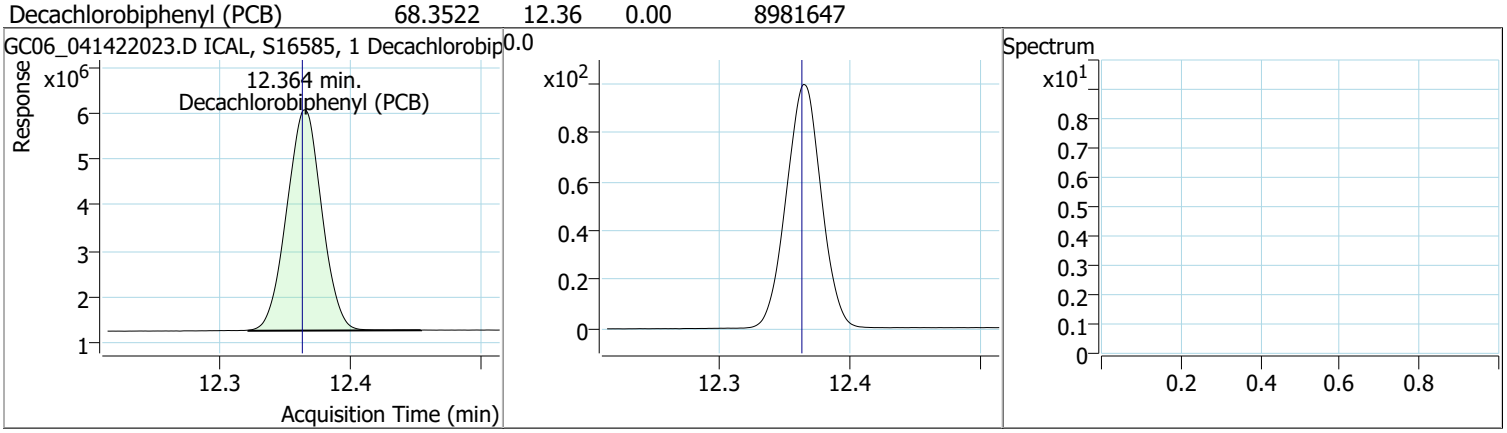
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	1853.6368	11.11	0.00	10625267			



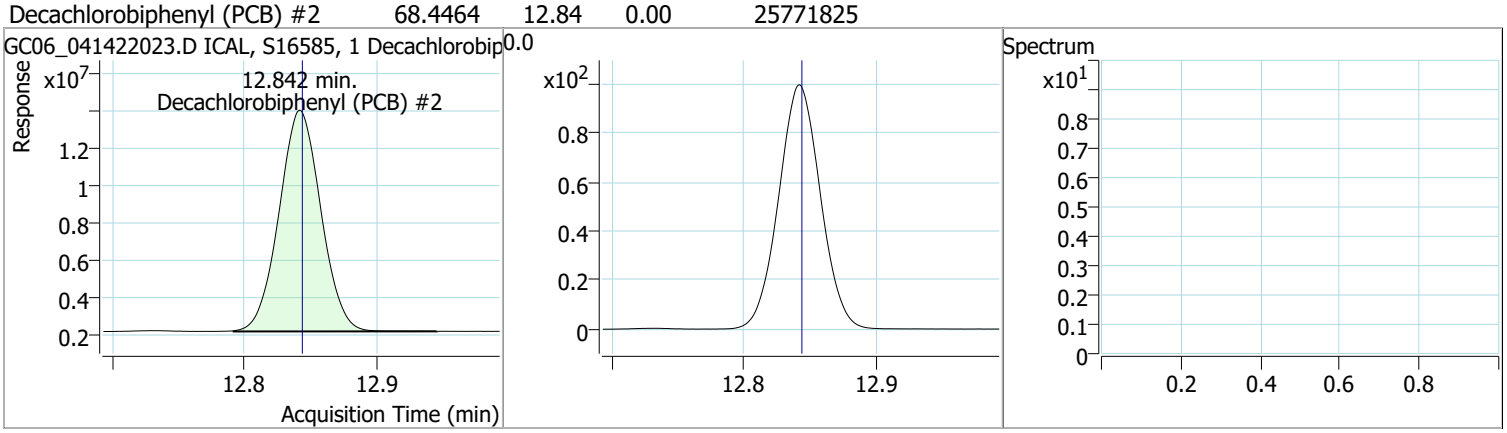
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	1775.7895	11.47	0.00	42001201			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	68.3522	12.36	0.00	8981647			

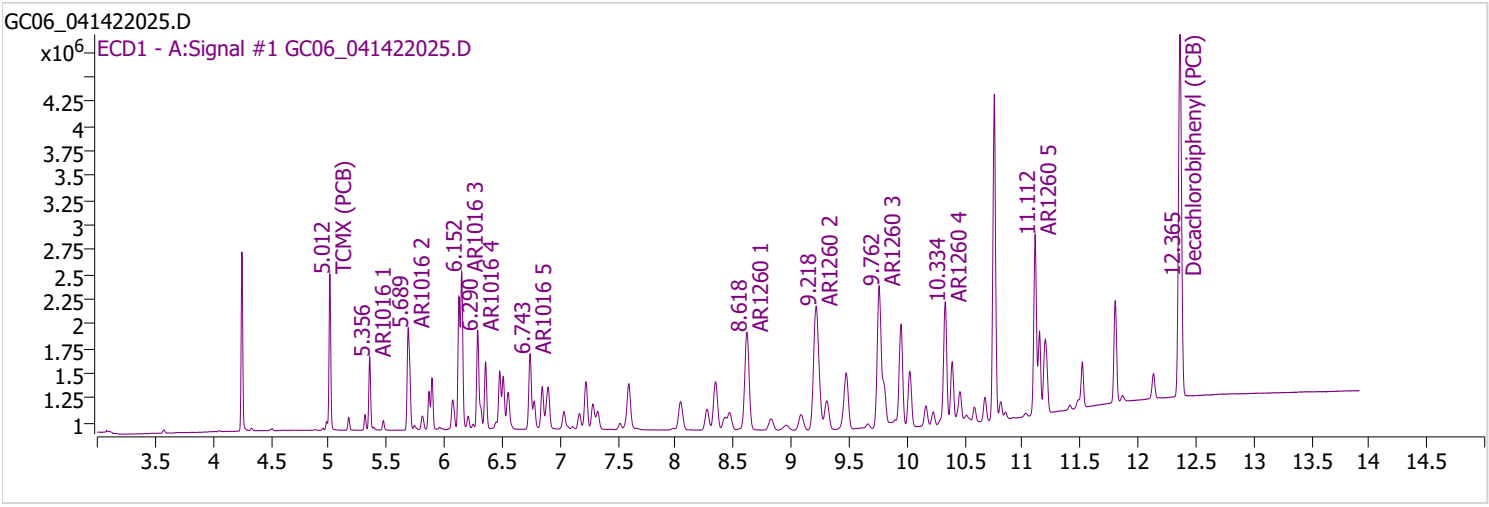


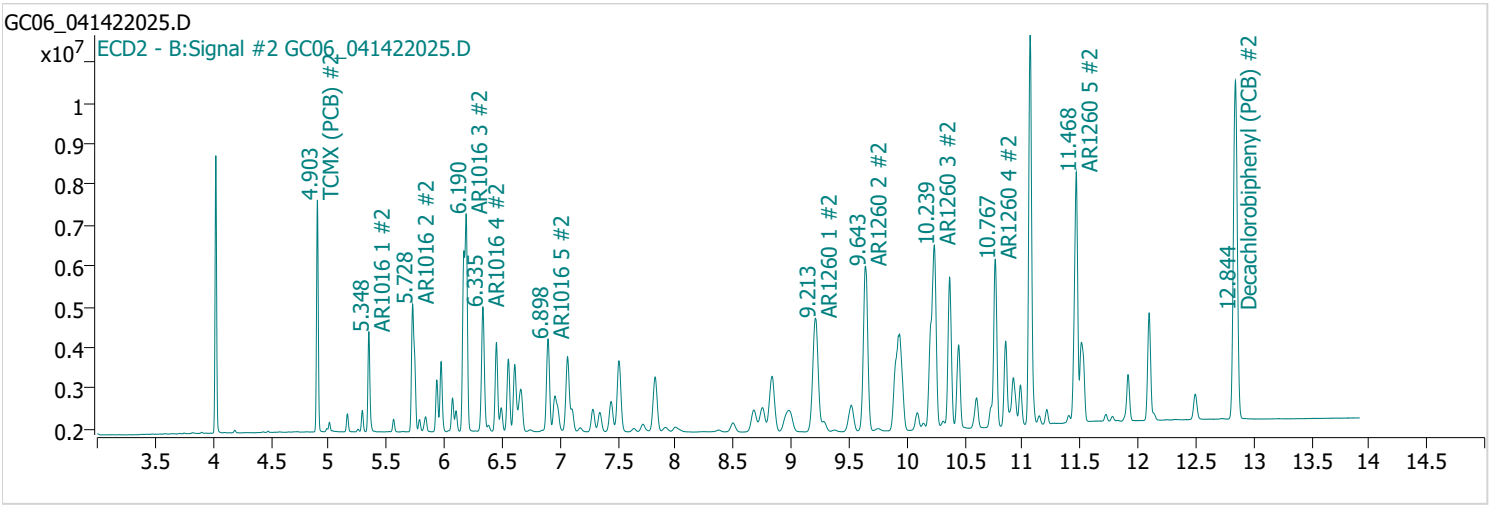
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	68.4464	12.84	0.00	25771825			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422025.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 9:37:00 PM
Sample Name	ICV, S16736	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 120	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



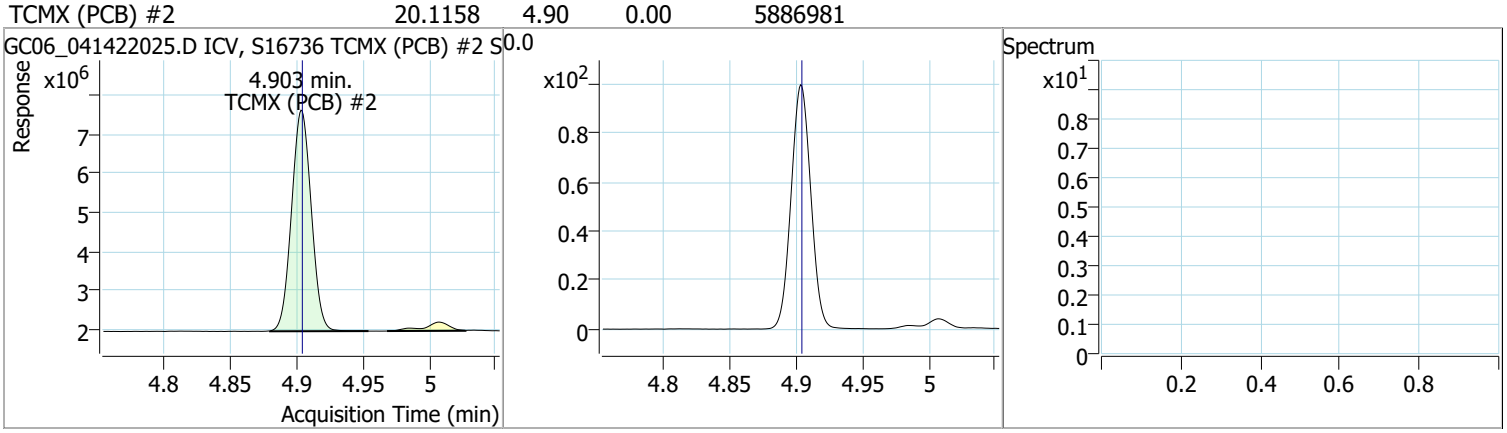


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.251	4.025	1762001	6389346	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.012	4.903	1651154	5886981	19.482	20.116	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	97.41%	100.58%	
S Decachlorobiphenyl (PCB)	12.365	12.844	6840009	19467064	51.055	50.492	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	255.28% *	252.46% *	
Target Compounds							
T AR1016 1	5.356	5.348	825235	2962090	478.801	495.049	ng/ml
T AR1016 2	5.689	5.728	1702995	5890904	453.793	474.419	ng/ml
T AR1016 3	6.152	6.190	2119180	7921568 m	479.813	483.740	ng/ml
T AR1016 4	6.290	6.335	1550648	5231236	469.158	470.866	ng/ml
T AR1016 5	6.743	6.898	1197333	4188169	468.312	482.178	ng/ml
T AR1260 1	8.618	9.213	2604917	9134347 m	469.771	472.354	ng/ml
T AR1260 2	9.218	9.643	4060351	10829785	475.411	484.676	ng/ml
T AR1260 3	9.762	10.239	4038416 m	13873694	454.846	457.011	ng/ml
T AR1260 4	10.334	10.767	2298126	8484126 m	520.452	516.476	ng/ml

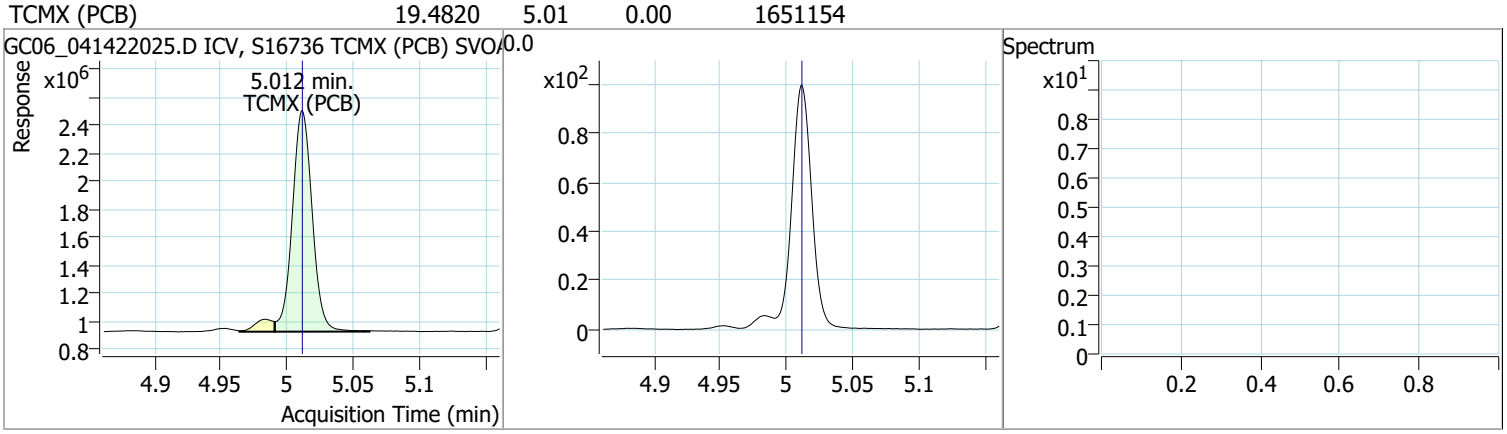
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.112	11.468	2918389	12120070	499.362	500.441	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

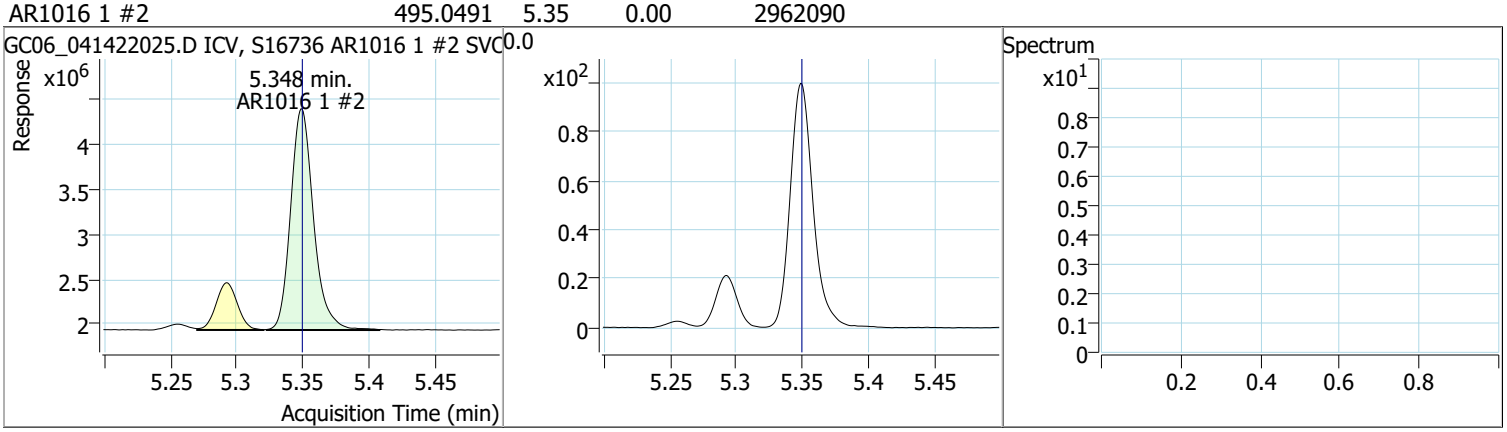
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	20.1158	4.90	0.00	5886981			



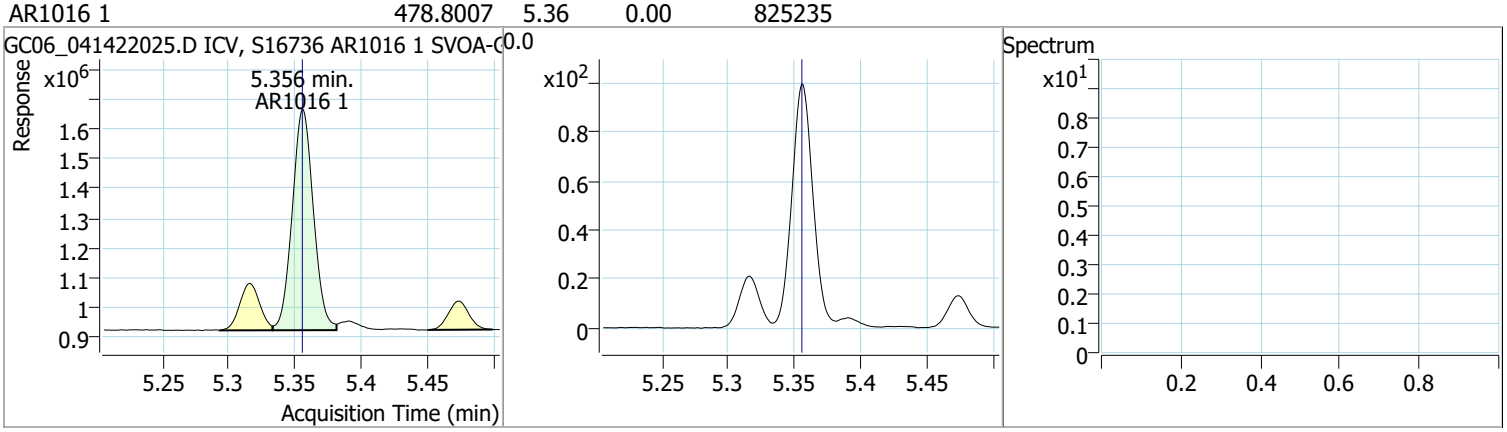
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	19.4820	5.01	0.00	1651154			



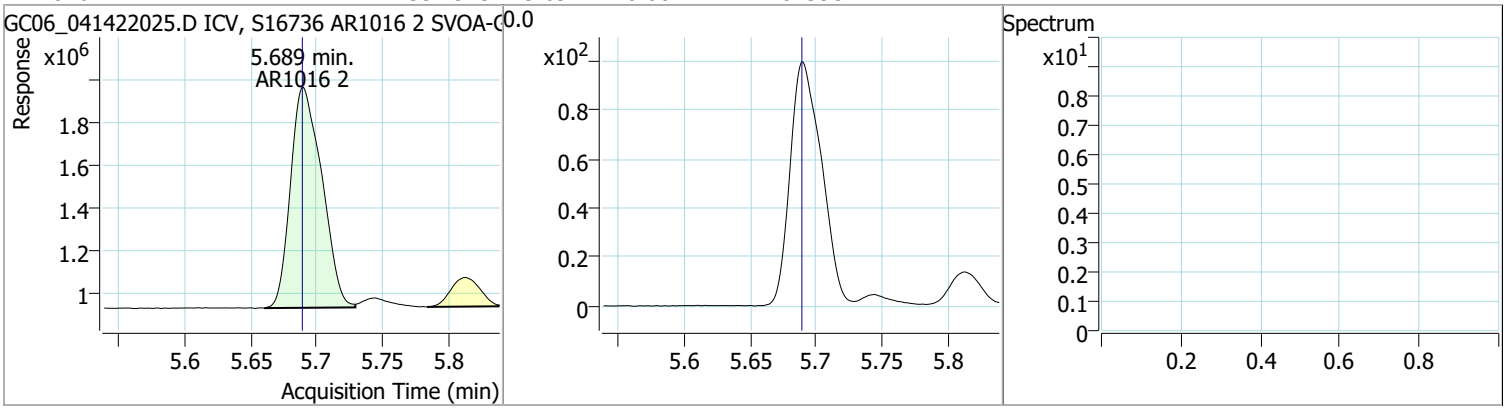
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	495.0491	5.35	0.00	2962090			



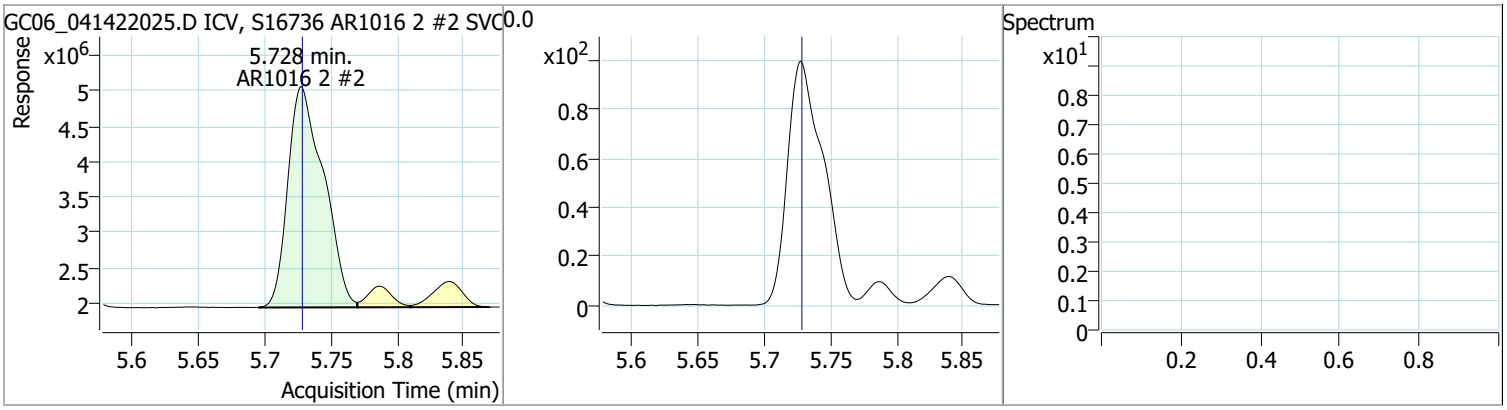
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	478.8007	5.36	0.00	825235			



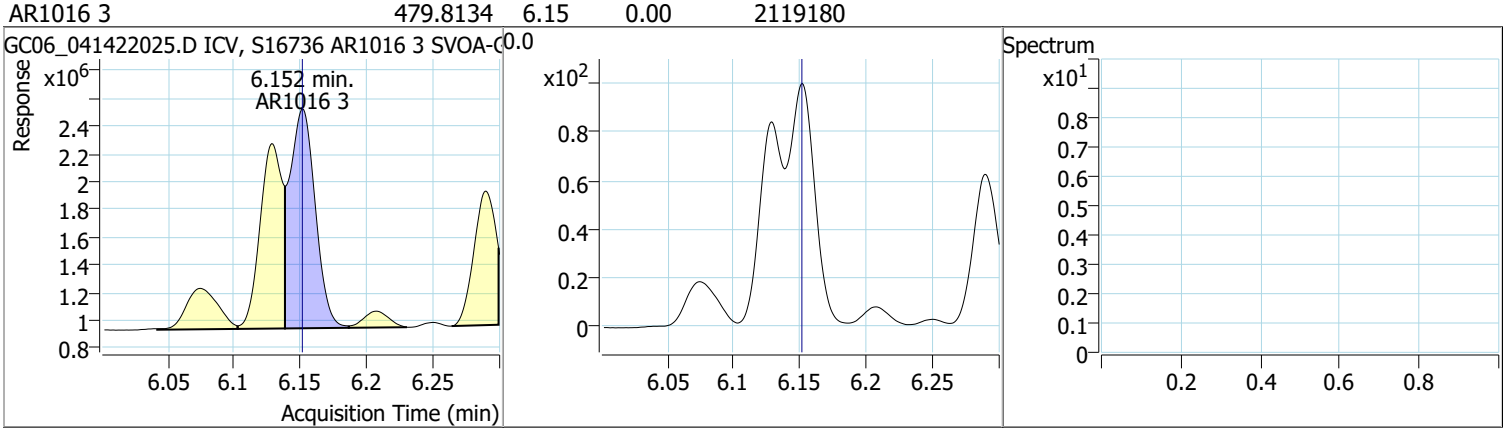
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	453.7929	5.69	0.00	1702995			



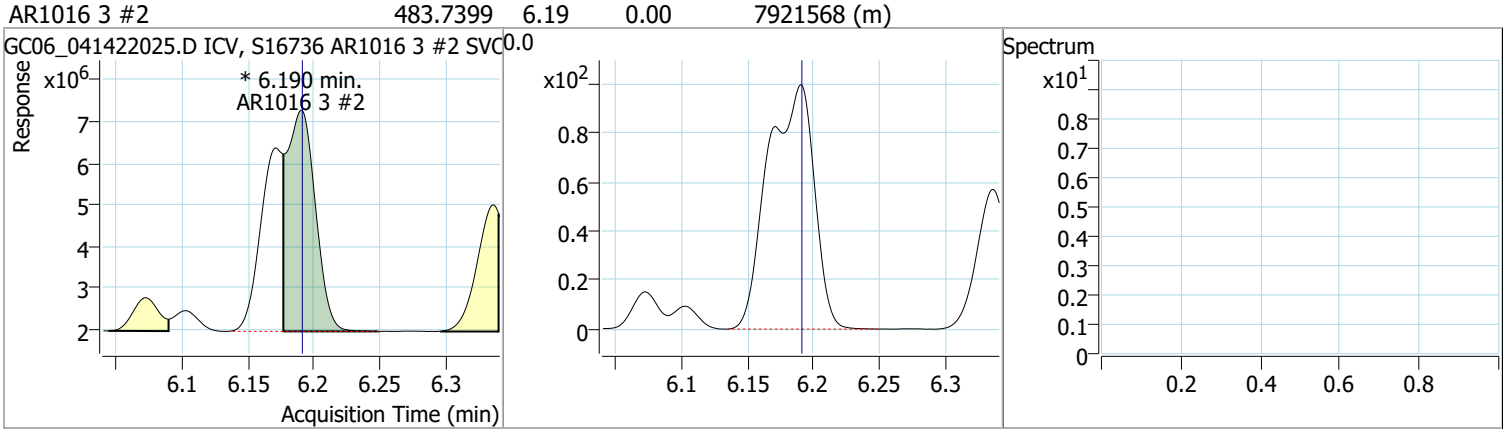
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	474.4186	5.73	0.00	5890904			



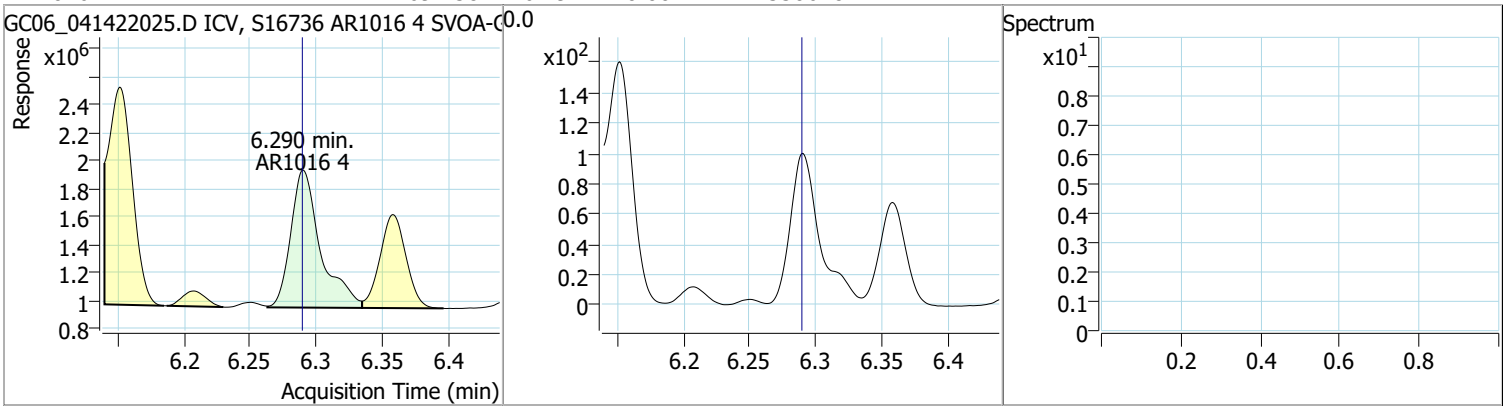
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	479.8134	6.15	0.00	2119180			



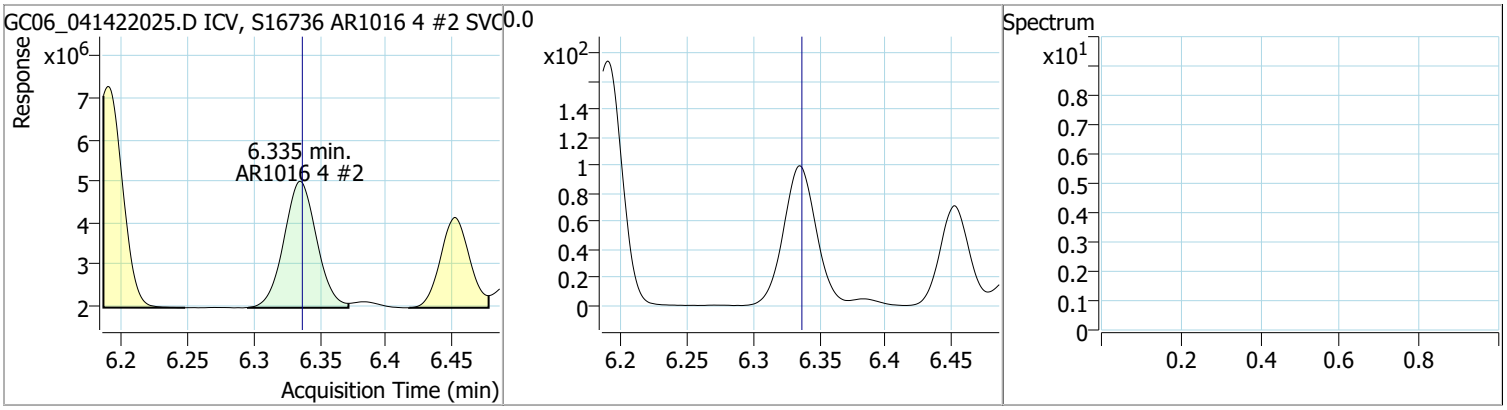
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	483.7399	6.19	0.00	7921568 (m)			



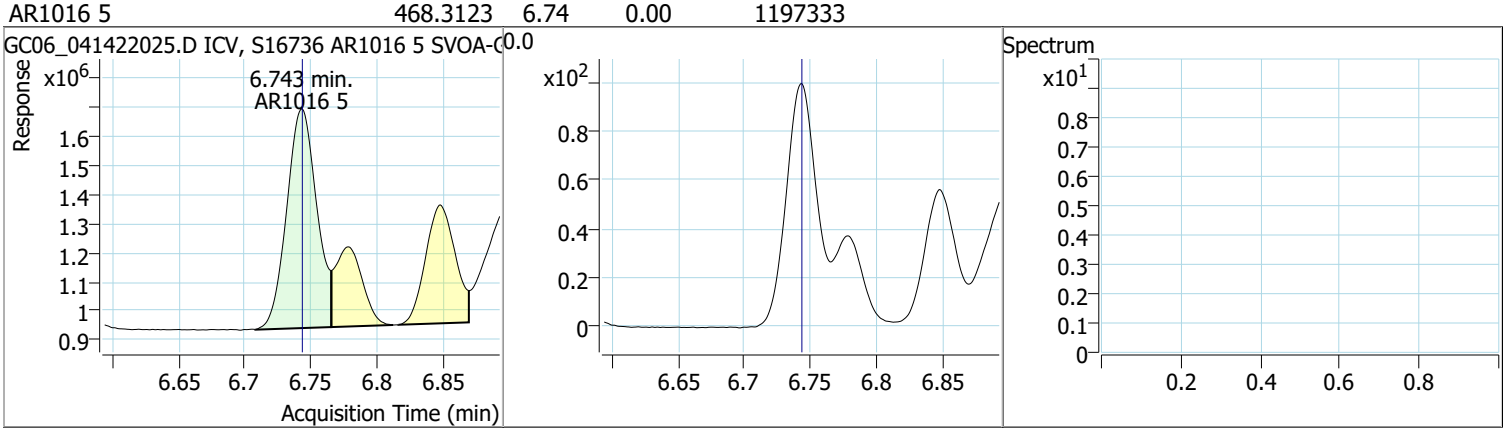
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	469.1584	6.29	0.00	1550648			



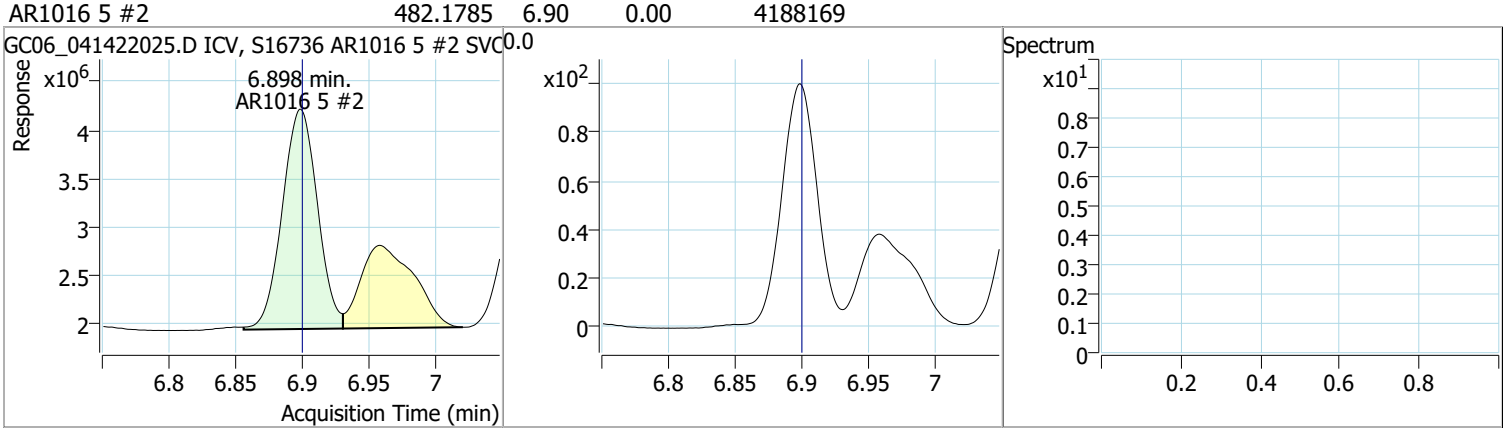
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	470.8659	6.34	0.00	5231236			



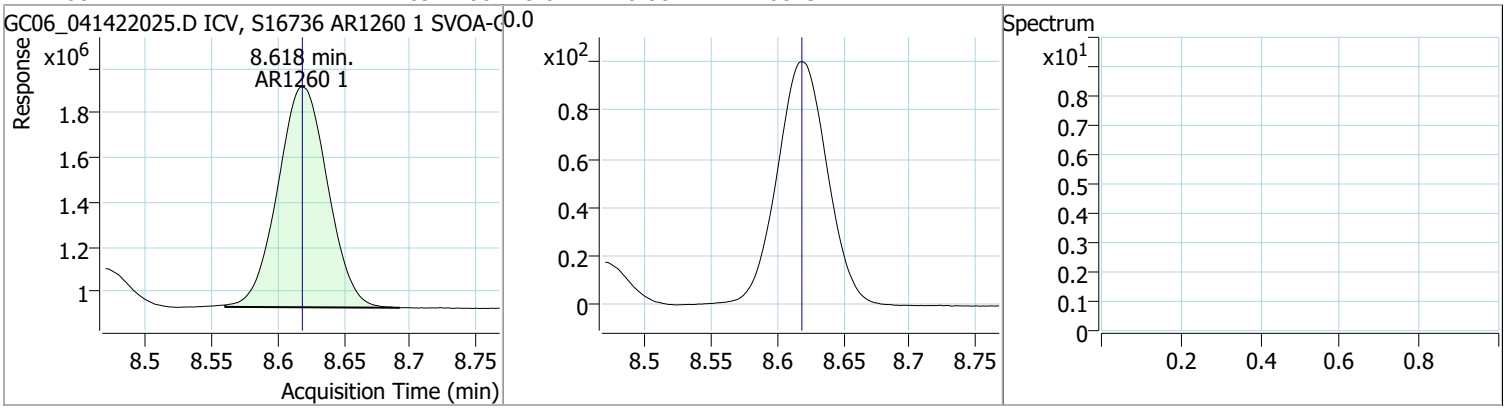
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	468.3123	6.74	0.00	1197333			



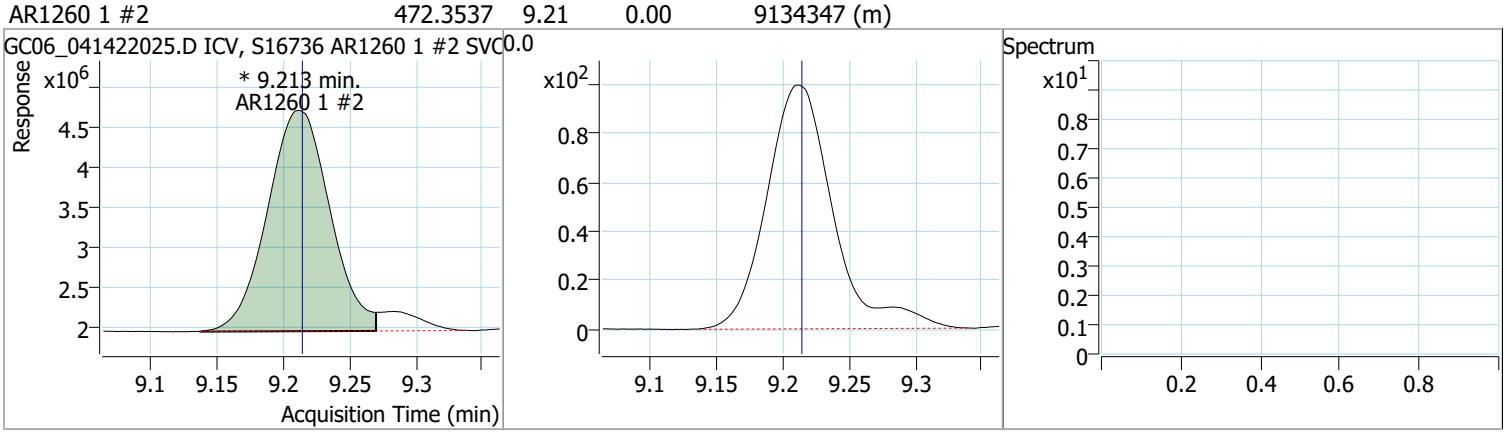
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	482.1785	6.90	0.00	4188169			



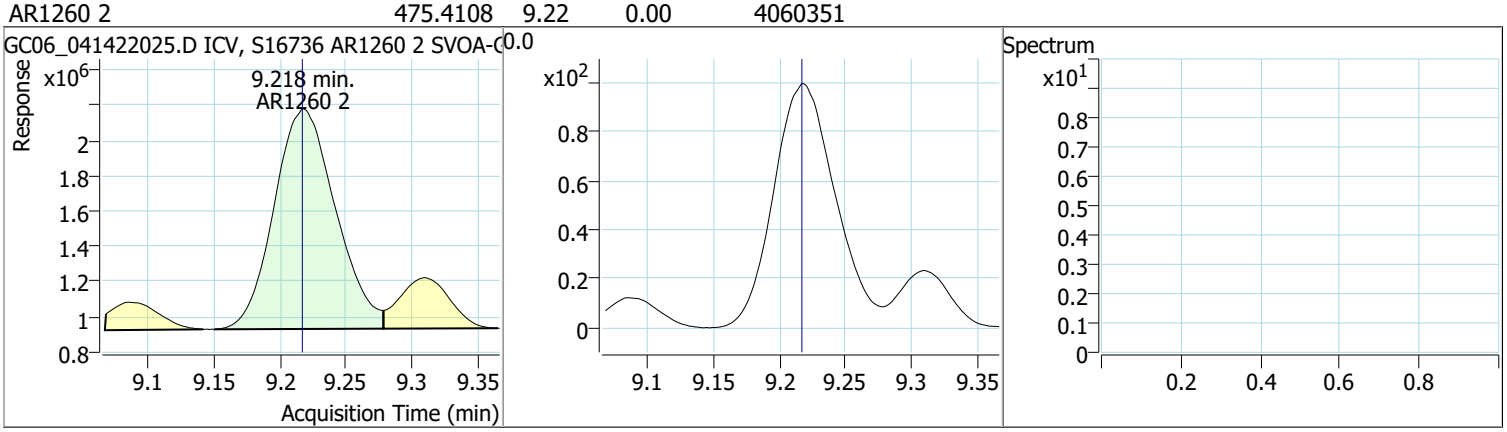
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
AR1260 1	469.7708	8.62	0.00	2604917		



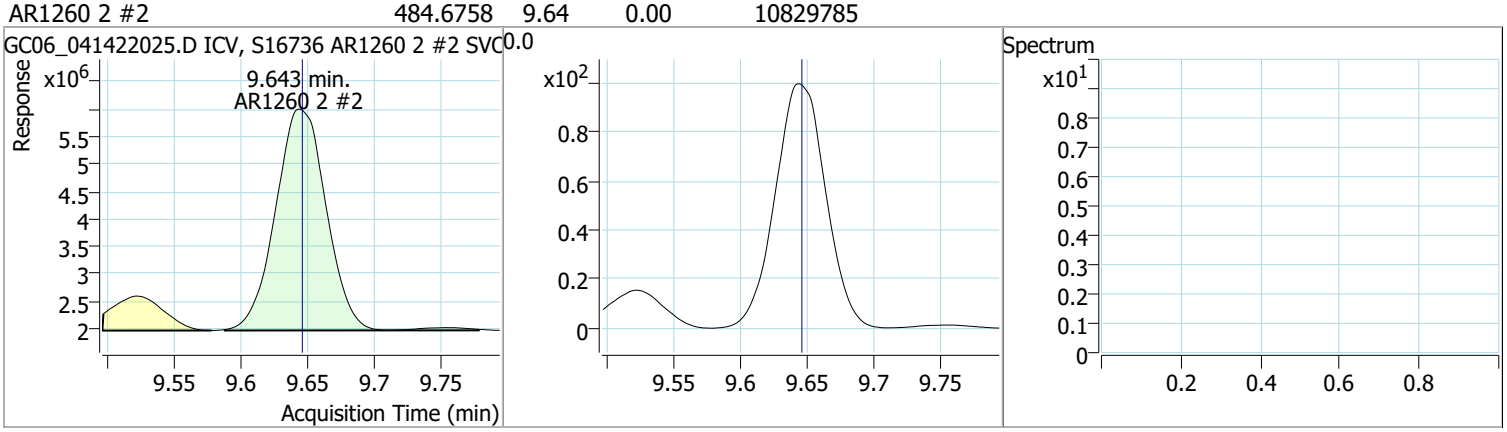
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
AR1260 1 #2	472.3537	9.21	0.00	9134347 (m)		



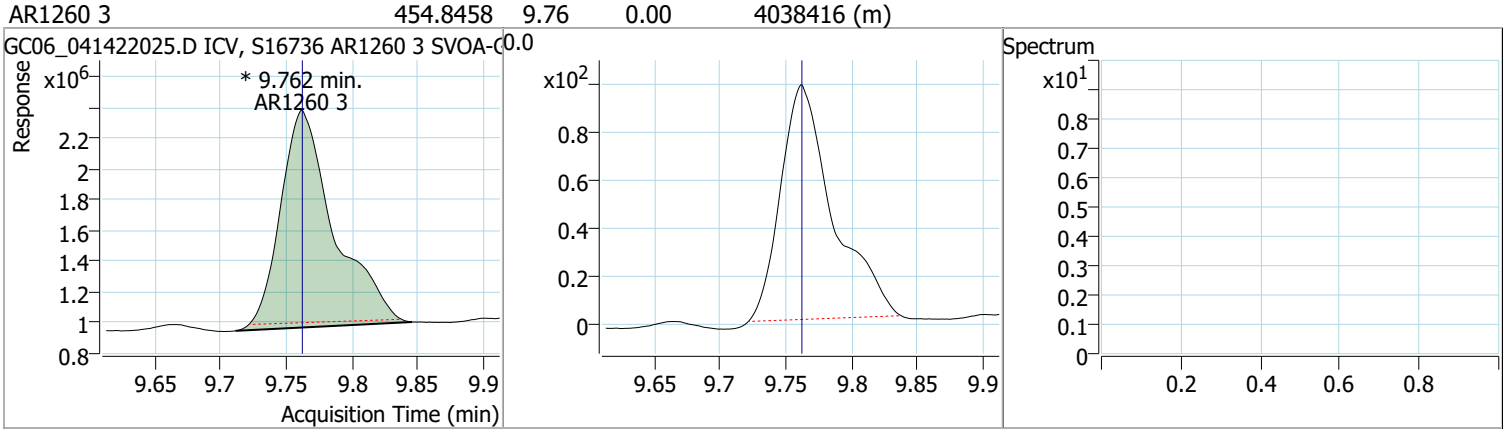
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
AR1260 2	475.4108	9.22	0.00	4060351		



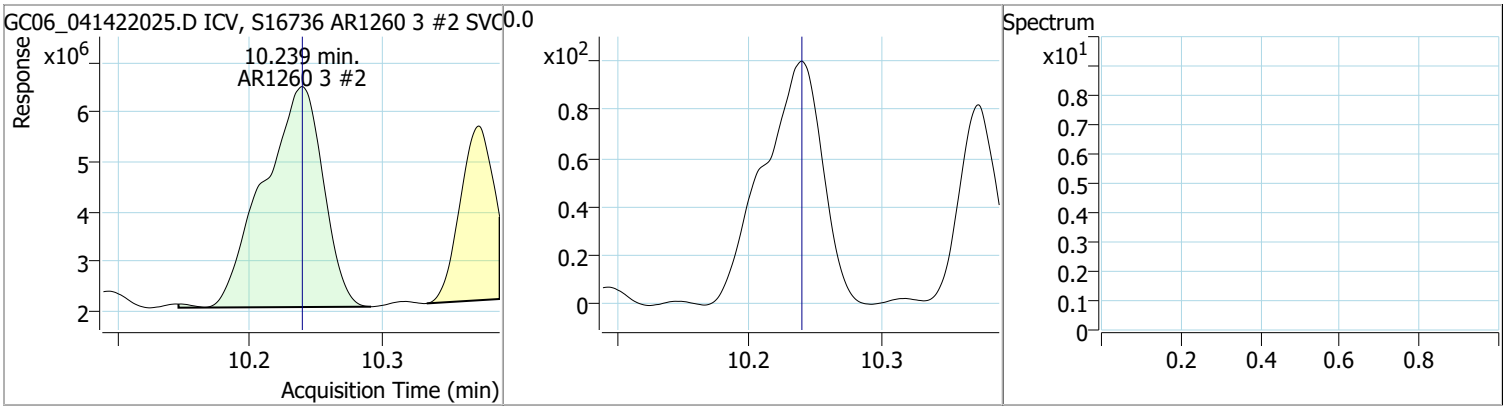
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
AR1260 2 #2	484.6758	9.64	0.00	10829785		



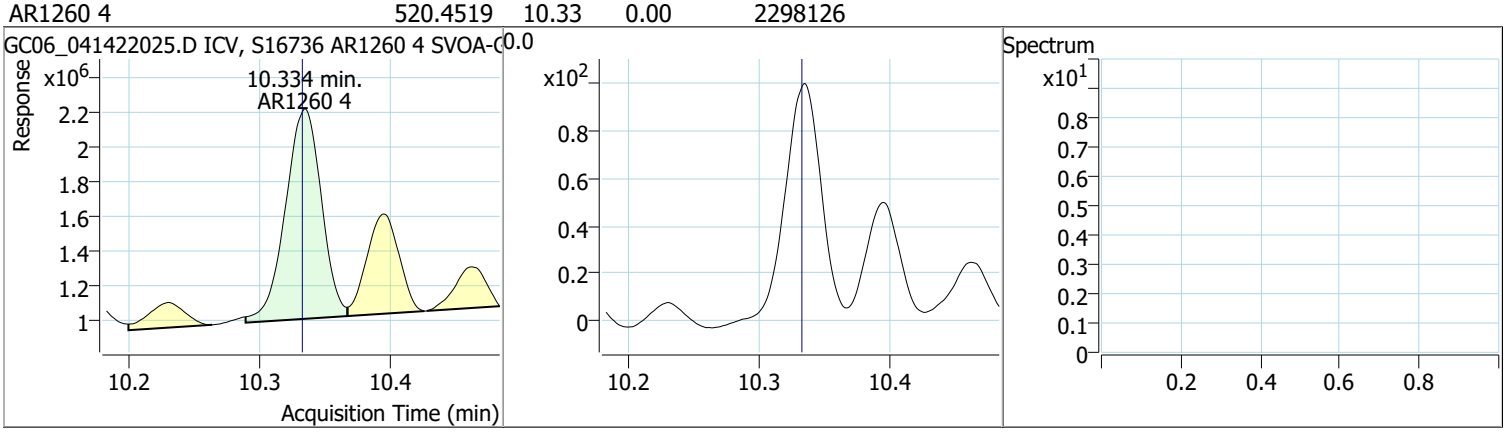
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	454.8458	9.76	0.00	4038416 (m)			



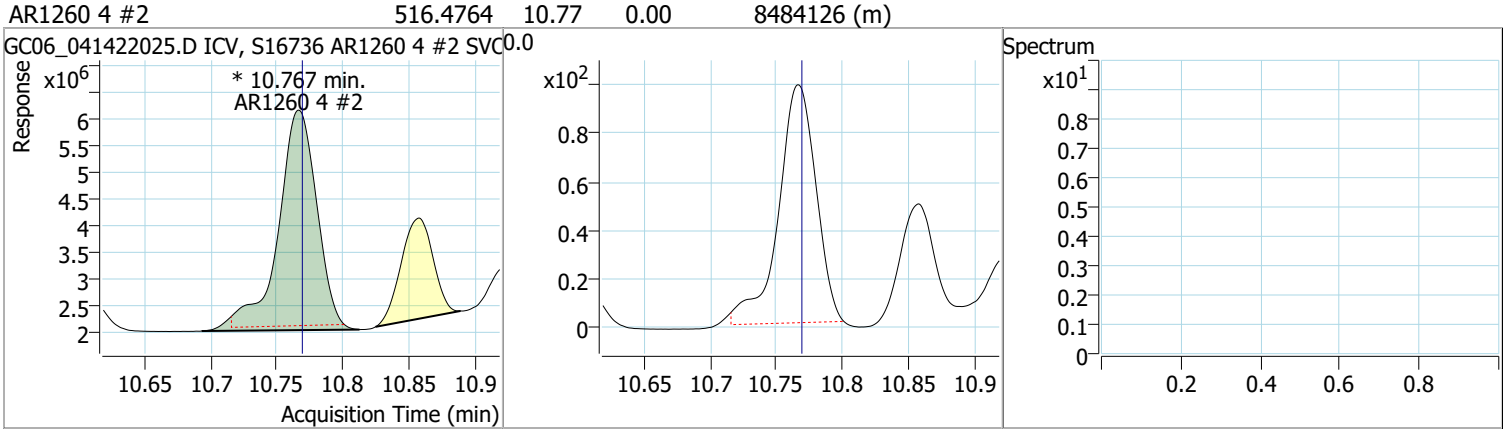
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	457.0112	10.24	0.00	13873694			



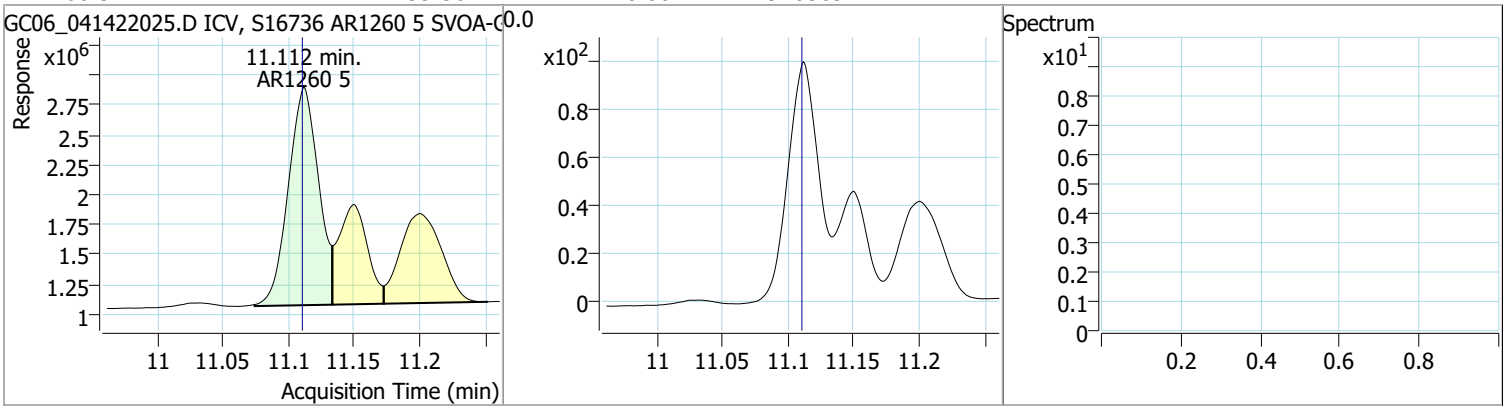
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	520.4519	10.33	0.00	2298126			



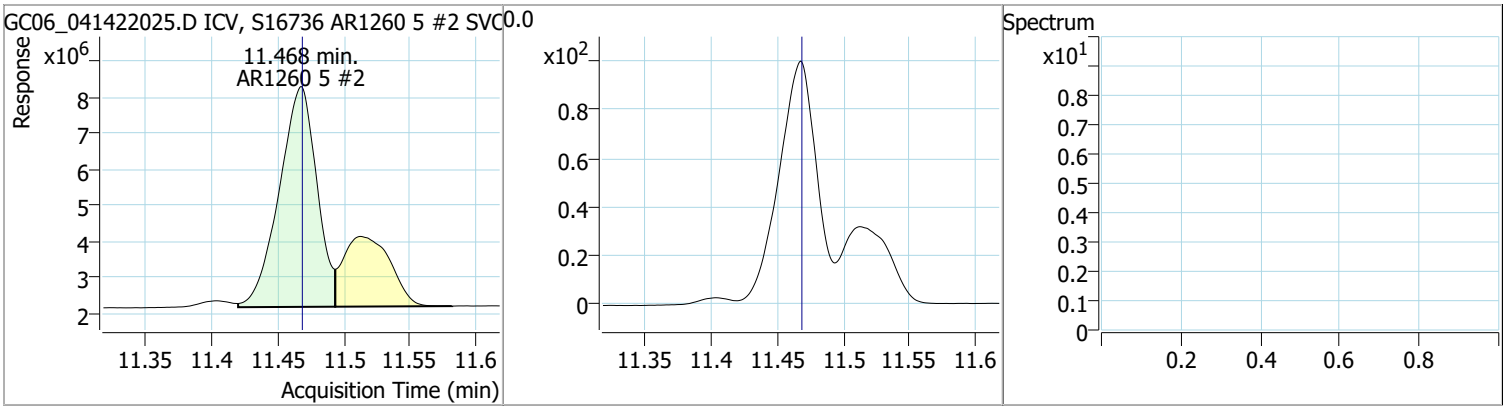
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	516.4764	10.77	0.00	8484126 (m)			



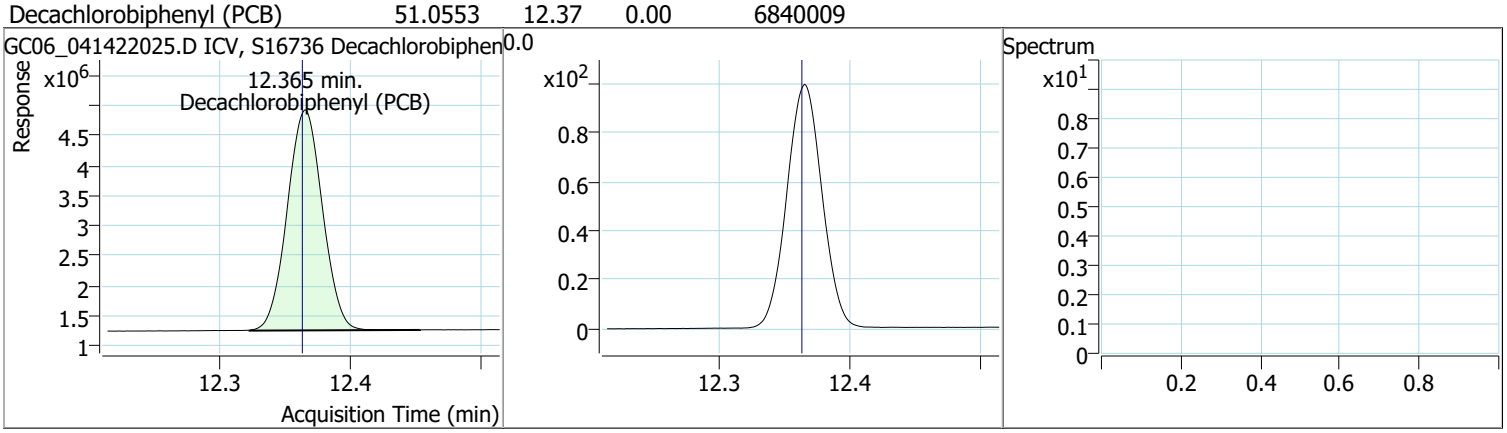
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	499.3624	11.11	0.00	2918389			



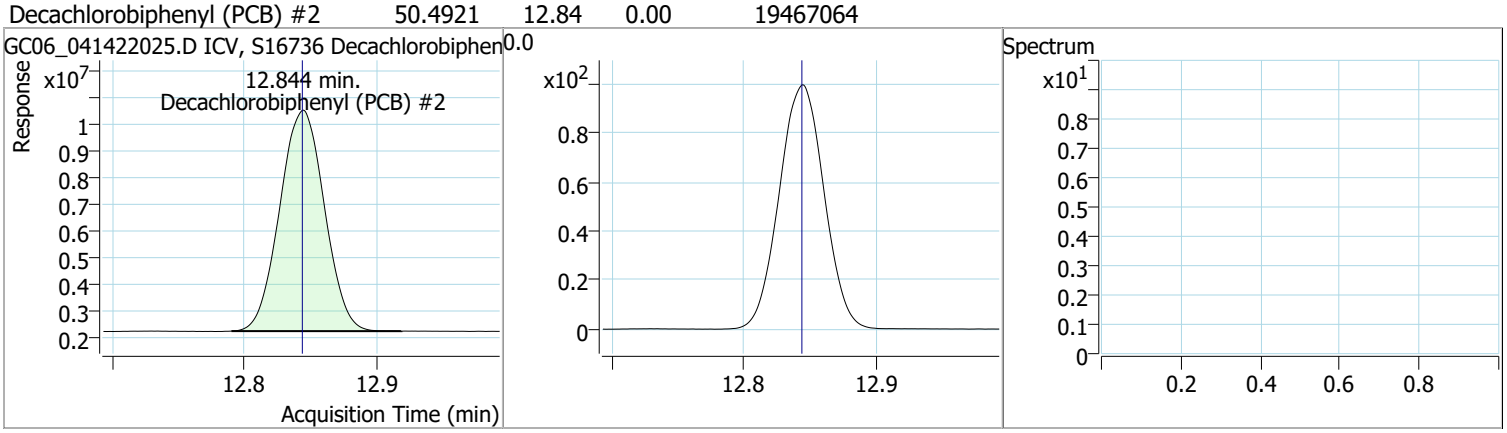
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	500.4410	11.47	0.00	12120070			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	51.0553	12.37	0.00	6840009			

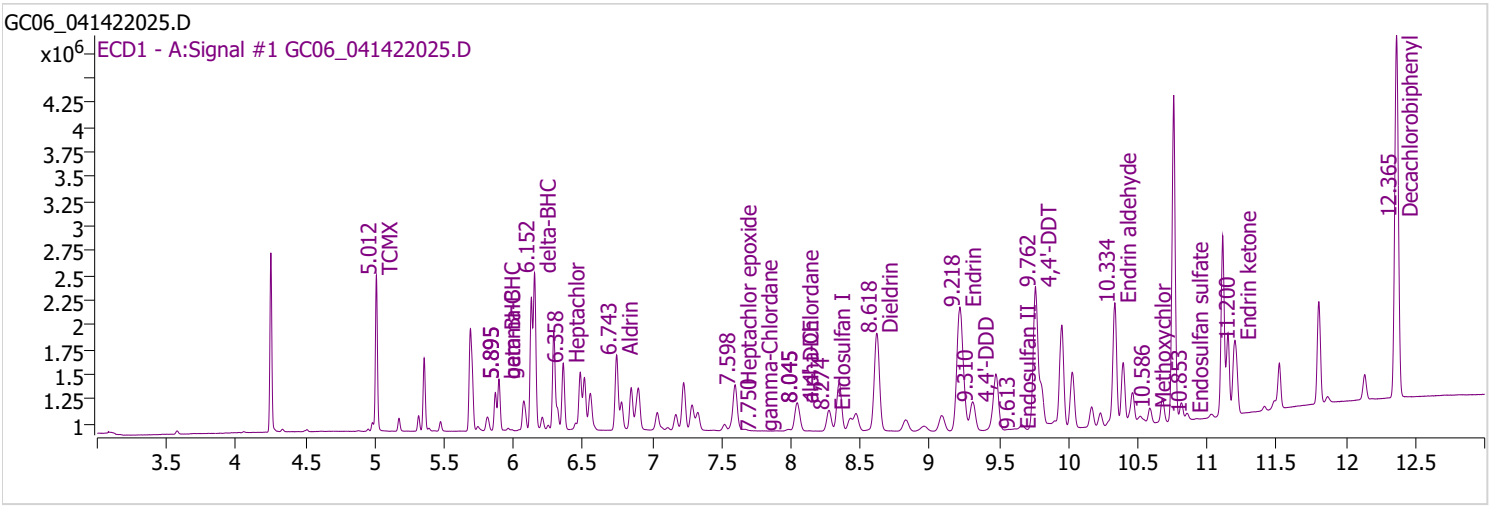


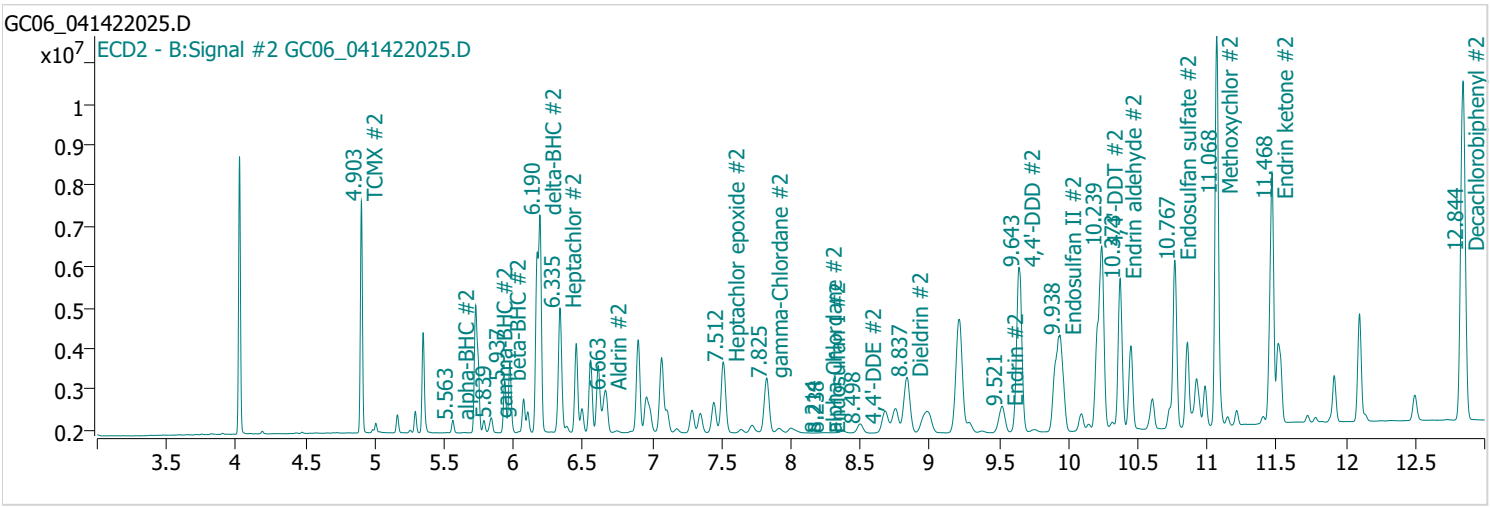
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	50.4921	12.84	0.00	19467064			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422025.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 9:37:00 PM
Sample Name	ICV, S16736	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 120	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 8:58:27 PM



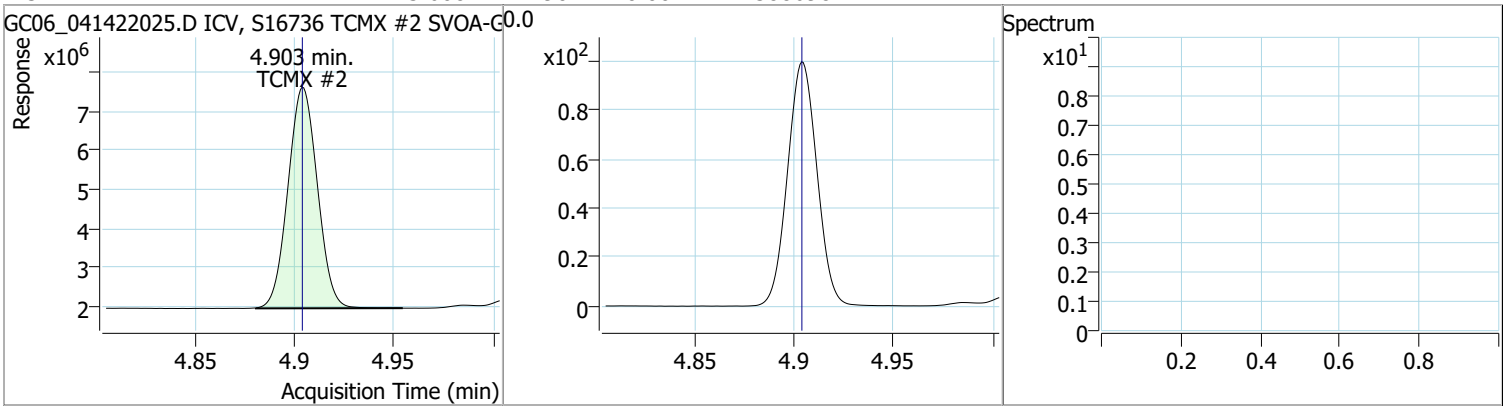


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.251	4.025	1753445	6387792	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.012	4.903	1649222	5886981	22.771	23.609	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	113.85%	118.04%	
S Decachlorobiphenyl	12.365	12.844	6821768	19316489	62.583	59.129	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	312.91% *	295.65% *	
Target Compounds							
T alpha-BHC	----	5.563 f	0	345584	N.D.	1.727 #	ng/ml
T gamma-BHC	5.895	5.839	637656	523516	10.069	2.568 #	ng/ml
T beta-BHC	5.895	5.937	633666	1667899	18.761	13.246 #	ng/ml
T delta-BHC	6.152	6.190	2083861	12938661	22.734	28.239	ng/ml
T Heptachlor	6.358	6.335	826612	5232272	12.250	17.510 #	ng/ml
T Aldrin	6.743	6.663 f	1196771	2297007	16.235	10.383 #	ng/ml
T Heptachlor epoxide	7.598	7.512	1002864	3492430	14.277	14.665	ng/ml
T gamma-Chlordane	7.750	7.825	403	3223540	0.008	12.445 #	ng/ml
T alpha-Chlordane	8.045	8.214 f	447428	30146	8.143	0.165 #	ng/ml

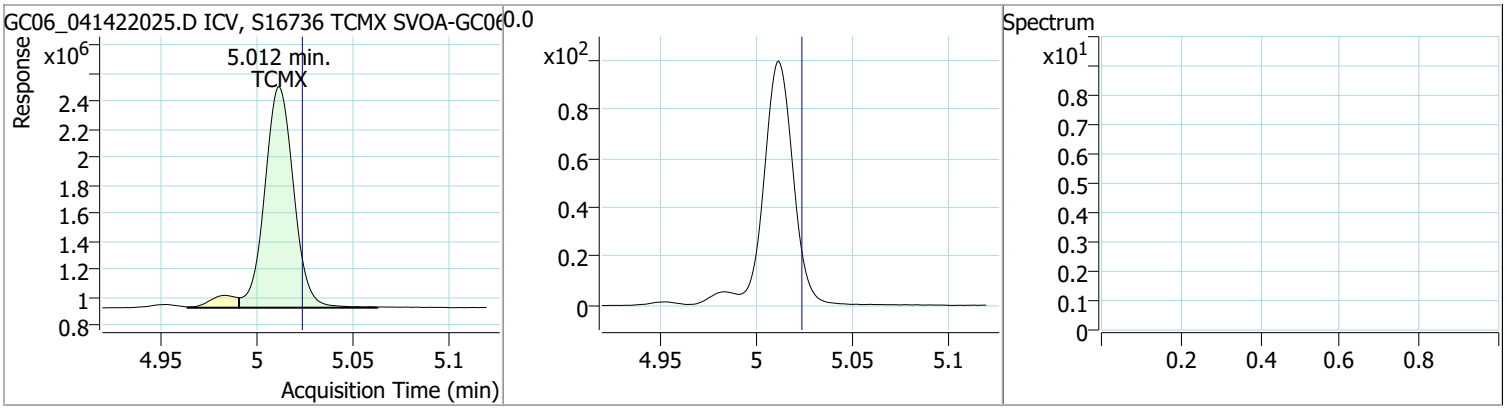
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.274	8.238	455772	17753	8.667	0.108 #	ng/ml
T 4,4'-DDE	8.045	8.498 f	689271	572005	12.913	3.514 #	ng/ml
T Dieldrin	8.618	8.837	2545513	3715515	34.073	18.376 #	ng/ml
T Endrin	9.218	9.521	1971651	1905799	24.244	10.830 #	ng/ml
T 4,4'-DDD	9.310	9.643 f	471768	9806439	12.167	50.492 #	ng/ml
T Endosulfan II	9.613	9.938 f	16477	7866789	0.343	30.259 #	ng/ml
T 4,4'-DDT	9.762	10.239	3042557	13813267	46.130	45.912	ng/ml
T Endrin aldehyde	10.334	10.373	2145465	7124371	41.174	38.621	ng/ml
T Endosulfan sulfate	10.853	10.767	51876	8477372	1.214	39.209 #	ng/ml
T Methoxychlor	10.586	11.068 f	222120	16981204	8.033	142.595 #	ng/ml
T Endrin ketone	11.200	11.468 f	1304087	11080565	21.220	40.351 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

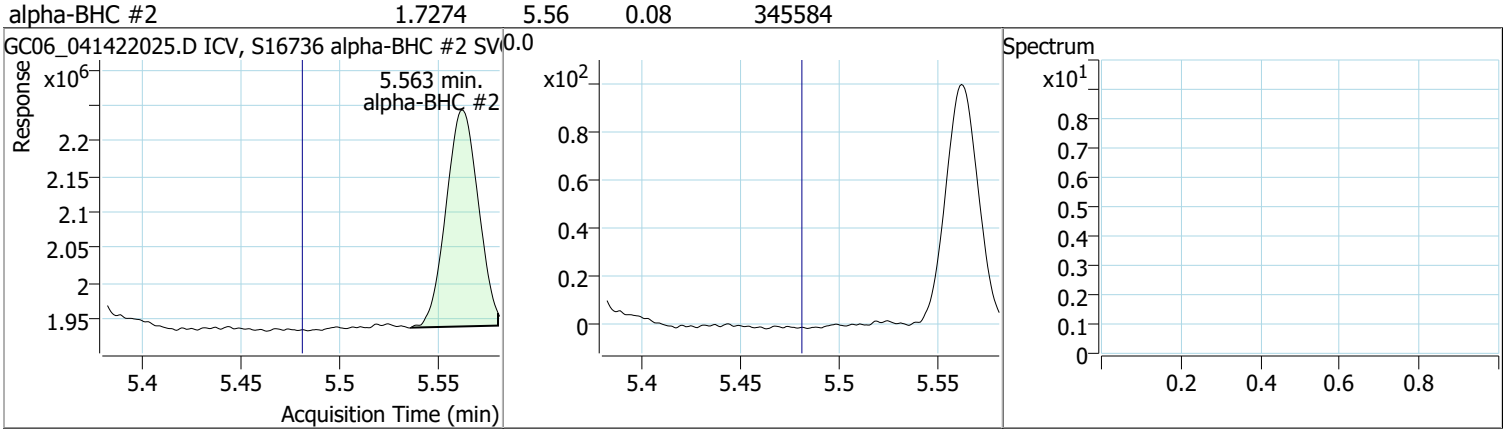
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	23.6087	4.90	0.00	5886981			



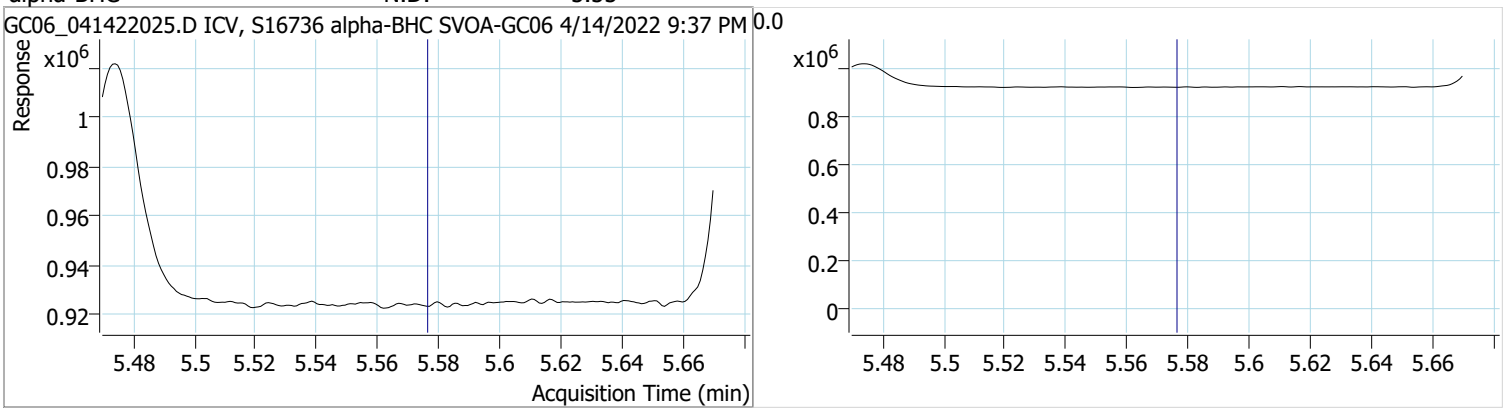
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	22.7706	5.01	0.01	1649222			



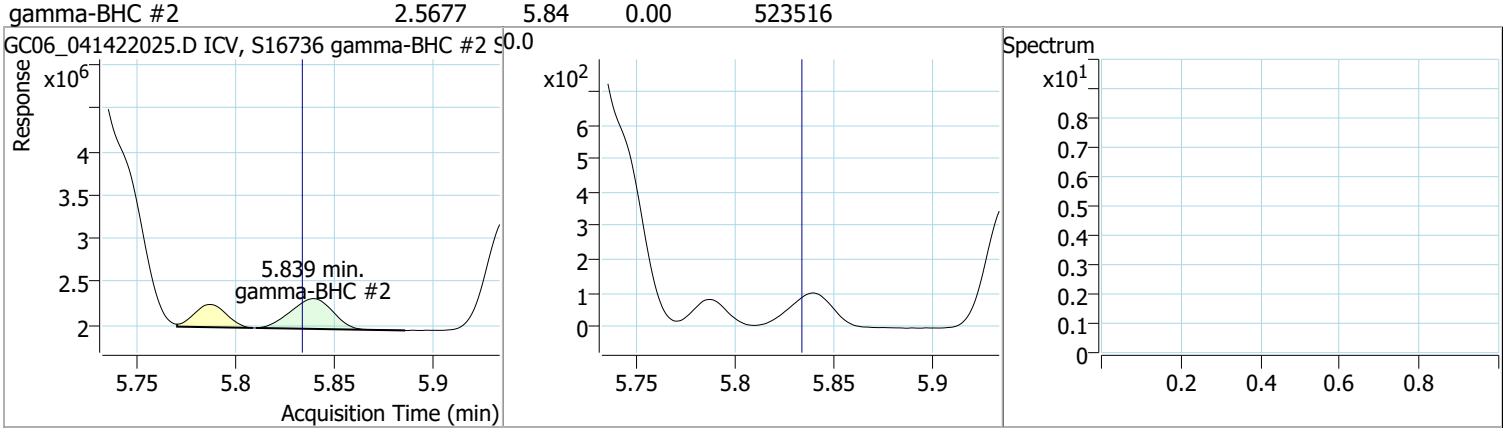
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	1.7274	5.56	0.08	345584			



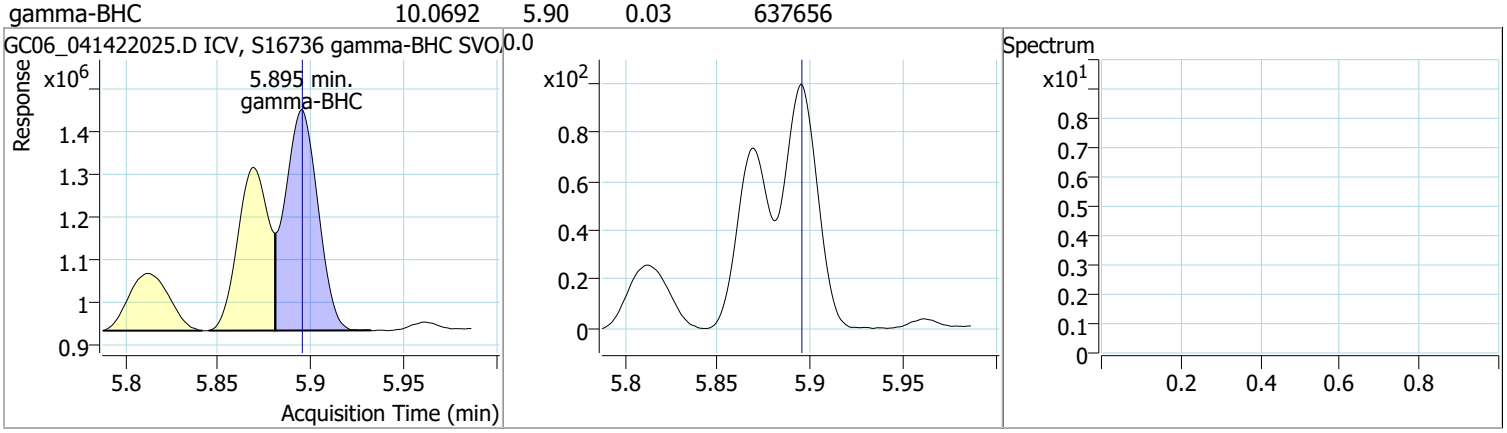
Compound	Conc.		Exp Ratio
alpha-BHC	N.D.	5.55	



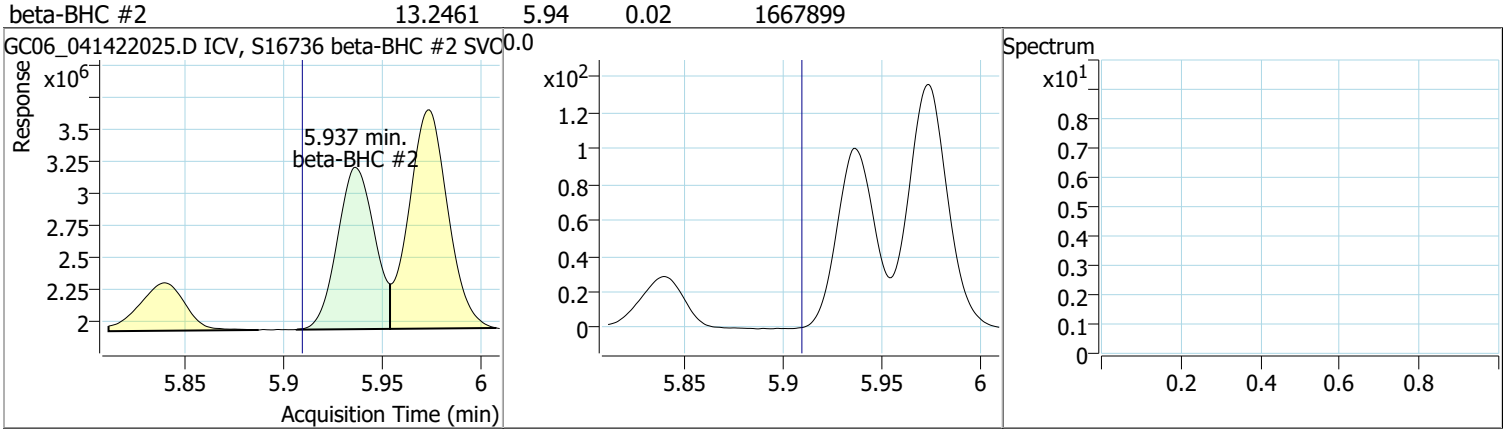
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	2.5677	5.84	0.00	523516			



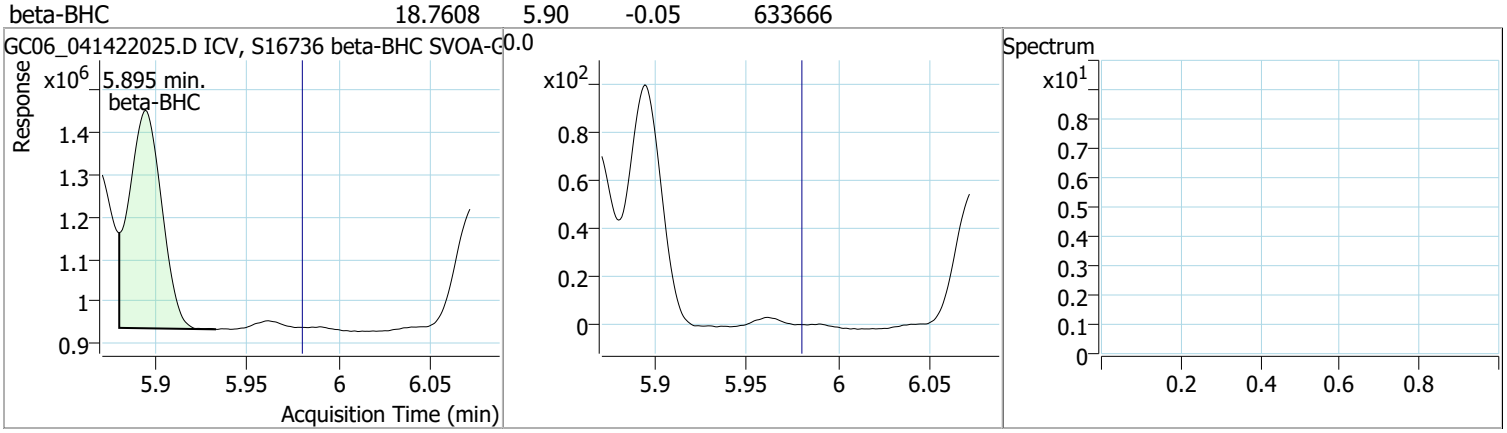
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	10.0692	5.90	0.03	637656			



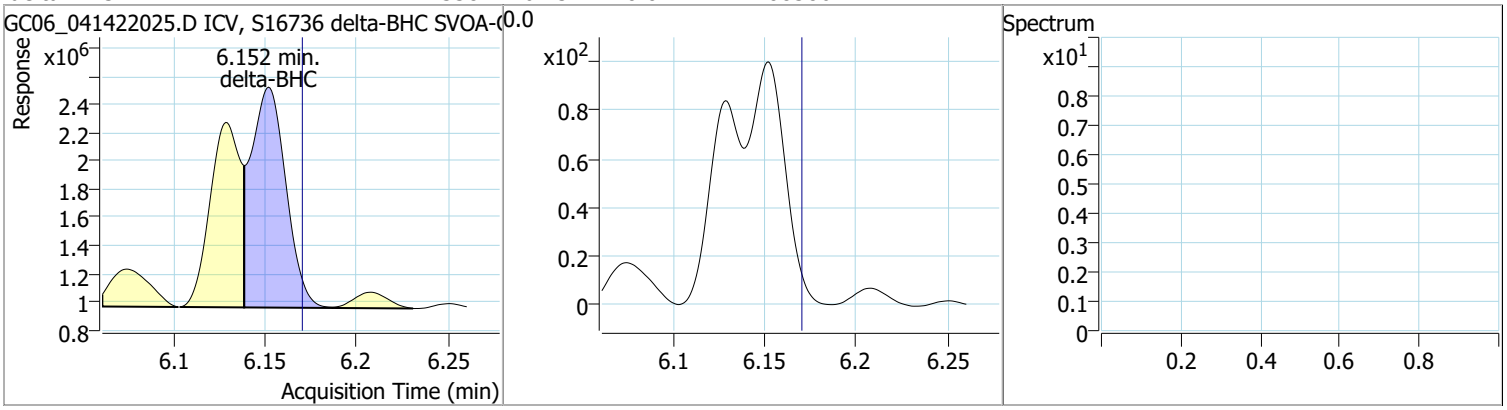
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	13.2461	5.94	0.02	1667899			



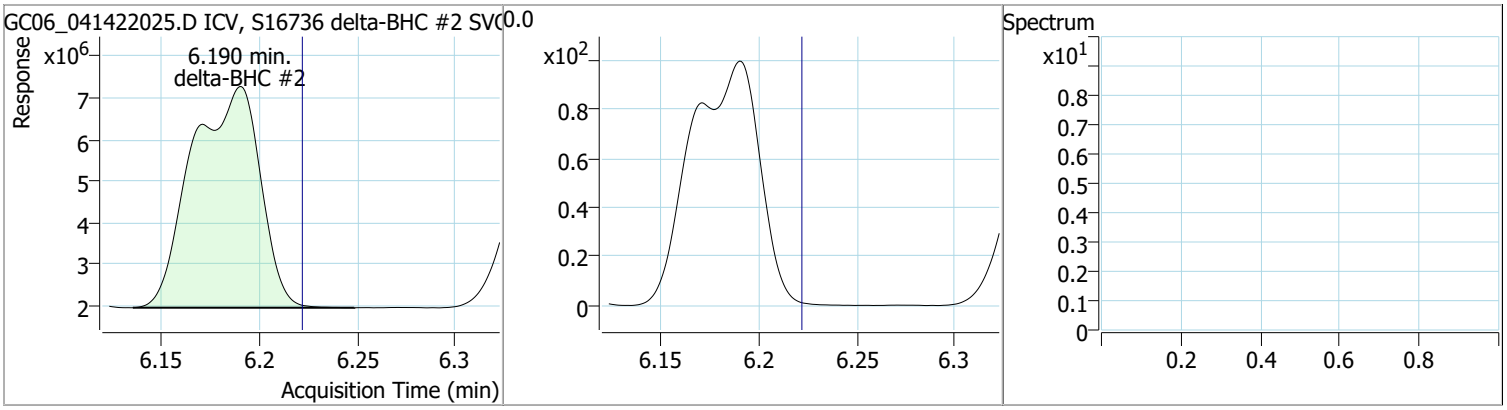
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	18.7608	5.90	-0.05	633666			



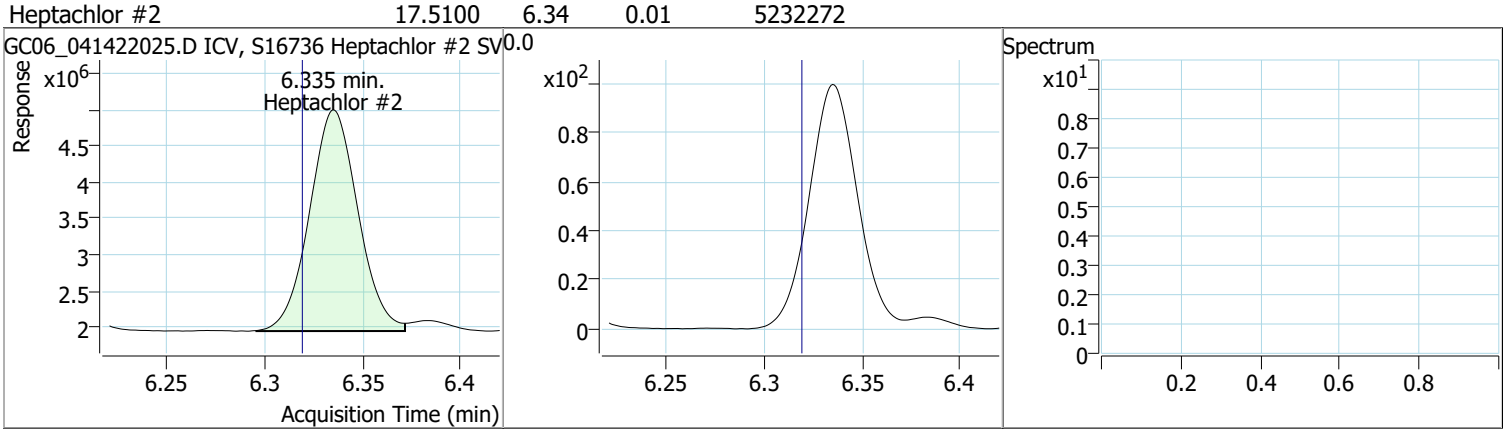
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	22.7338	6.15	0.01	2083861			



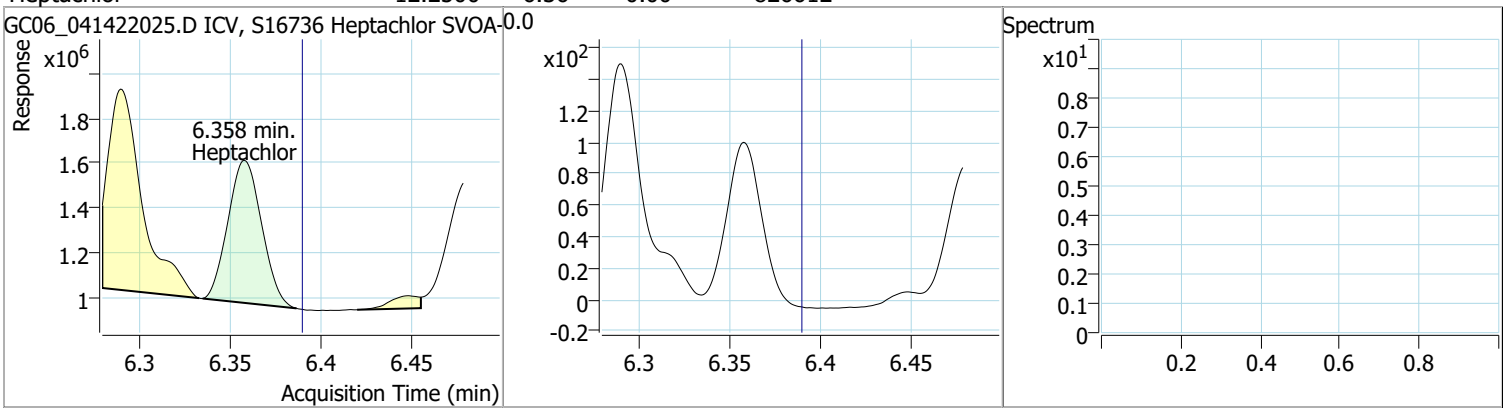
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	28.2394	6.19	-0.03	12938661			



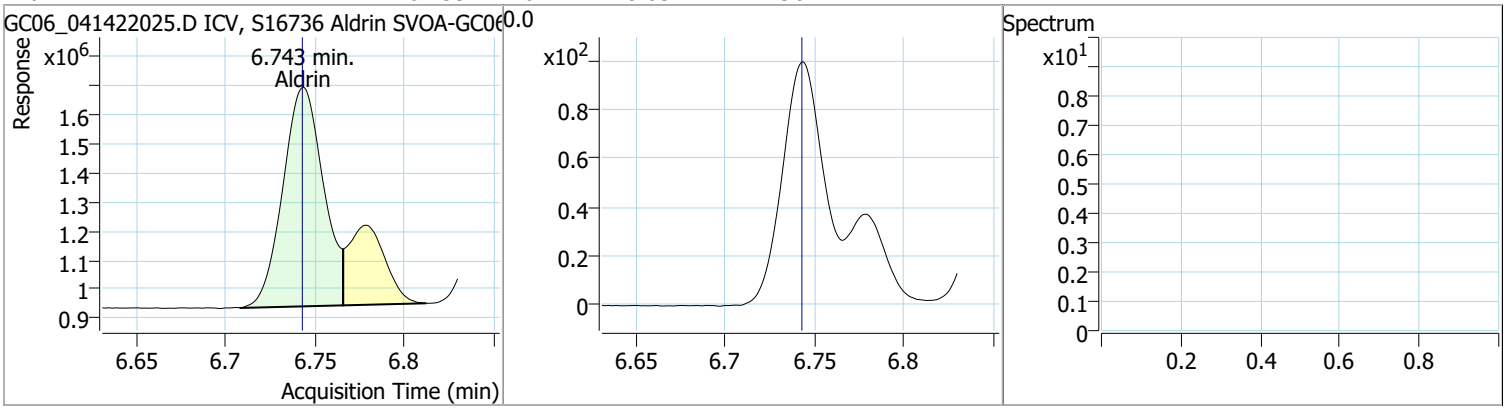
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	17.5100	6.34	0.01	5232272			



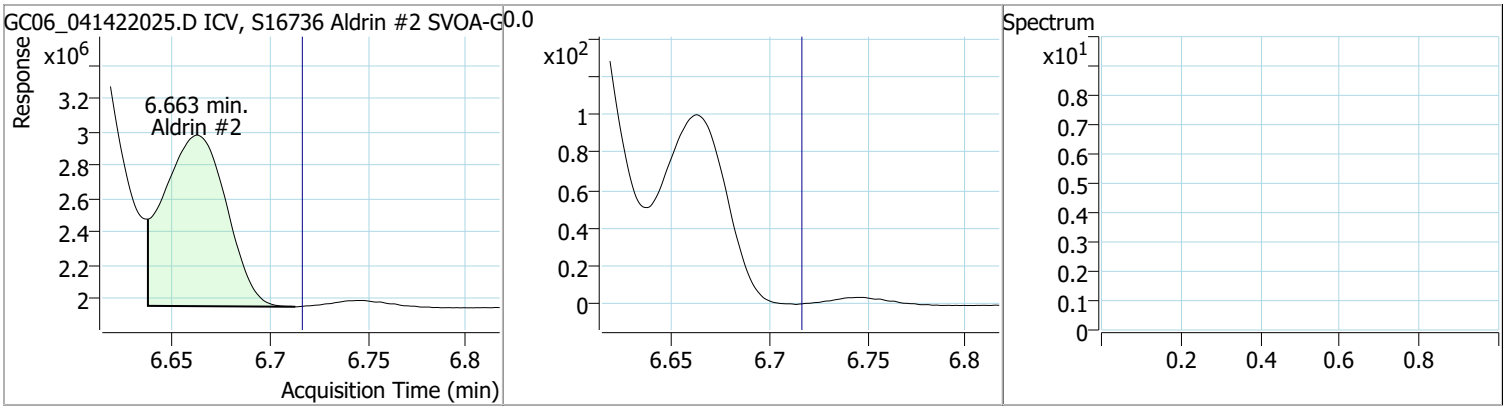
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	12.2500	6.36	0.00	826612			



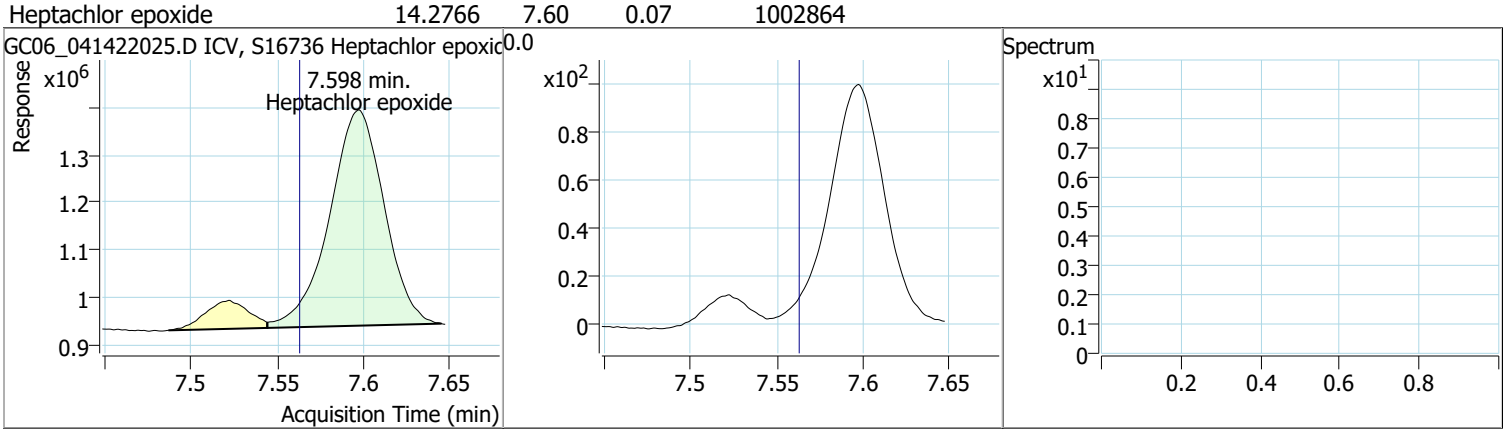
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	16.2351	6.74	0.03	1196771			



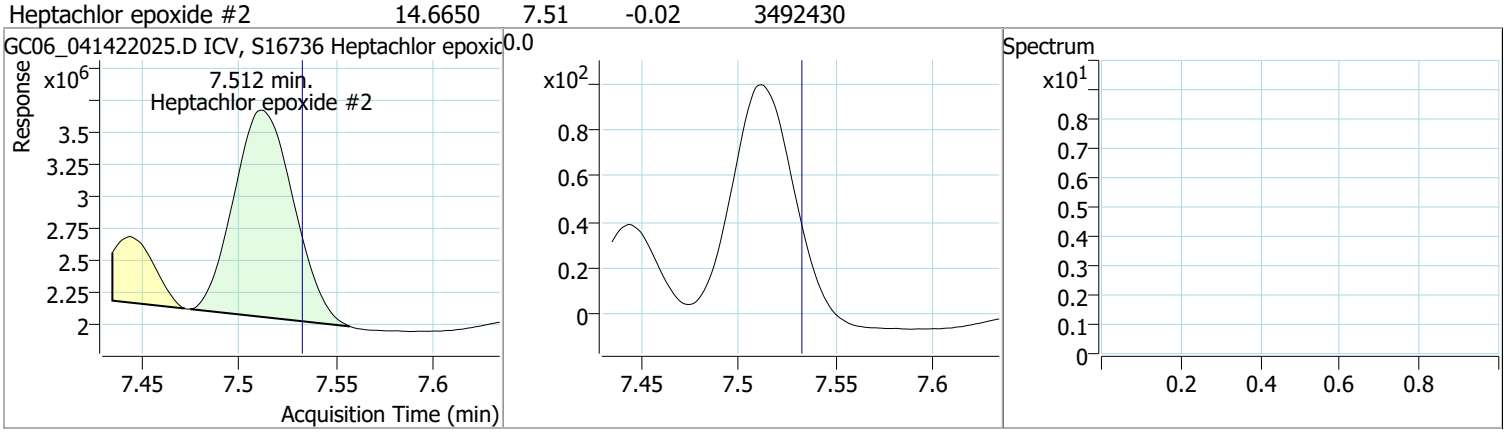
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	10.3830	6.66	-0.06	2297007			



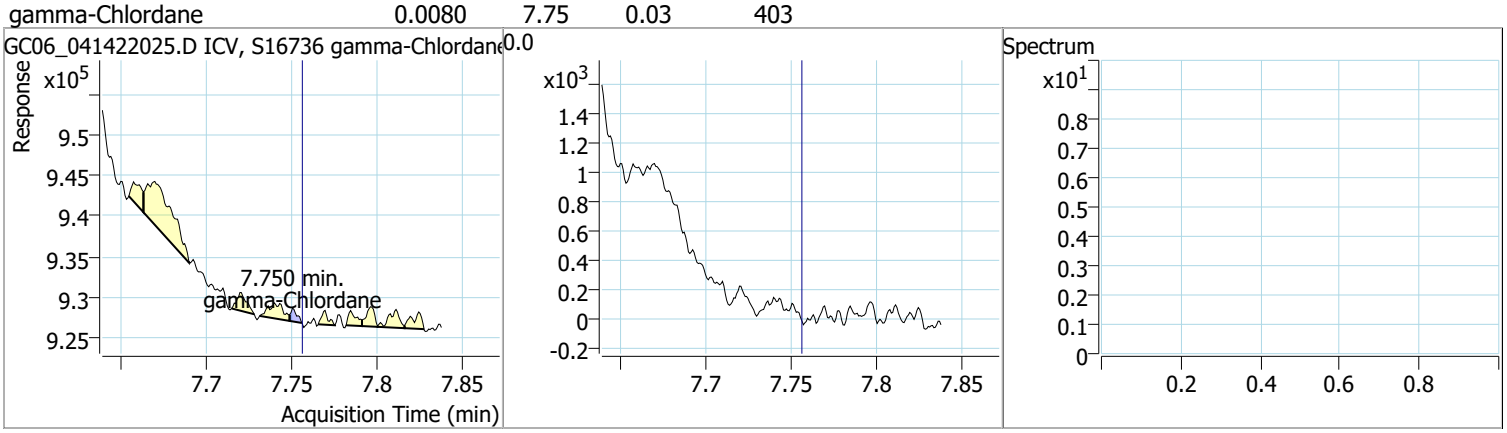
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	14.2766	7.60	0.07	1002864			



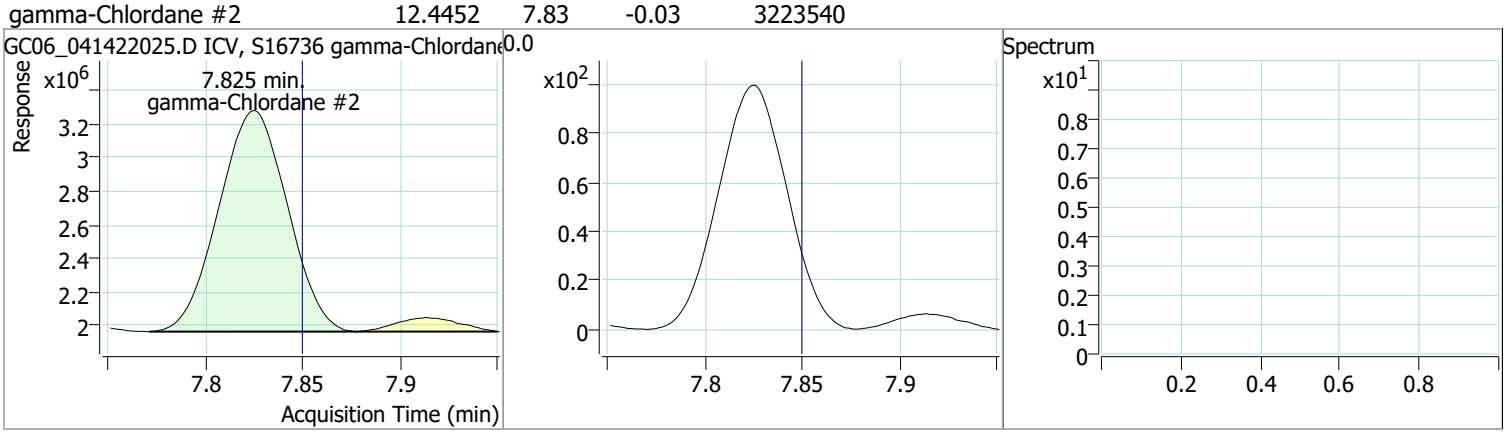
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	14.6650	7.51	-0.02	3492430			



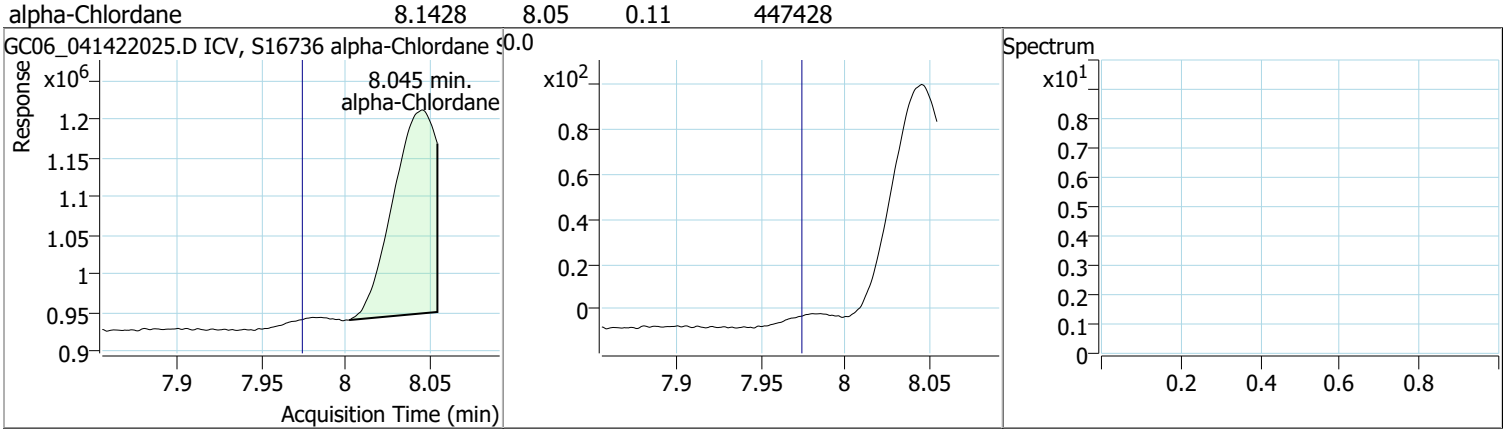
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.0080	7.75	0.03	403			



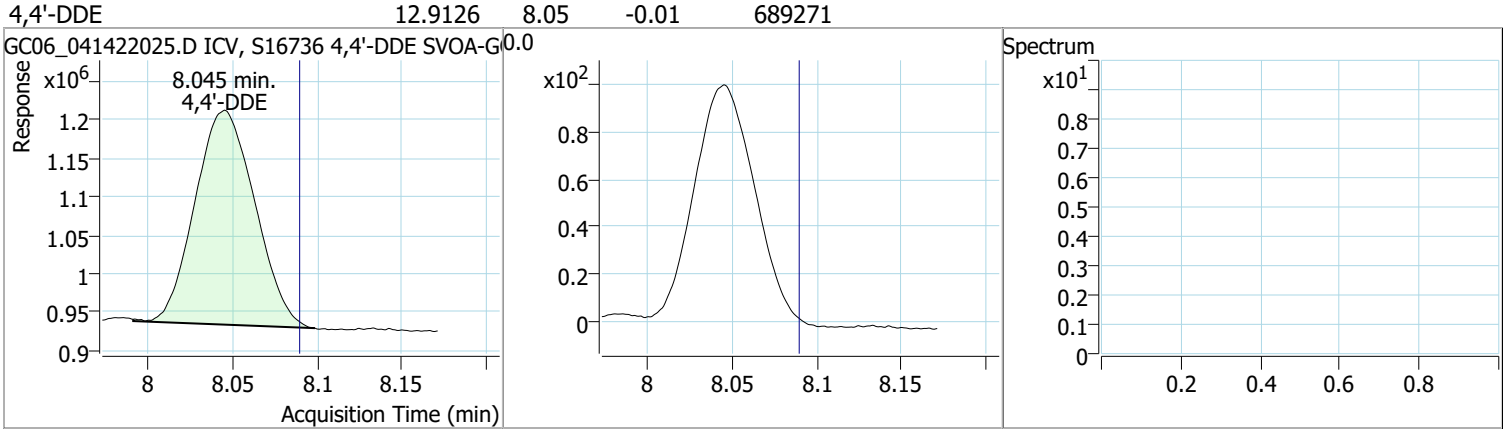
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	12.4452	7.83	-0.03	3223540			



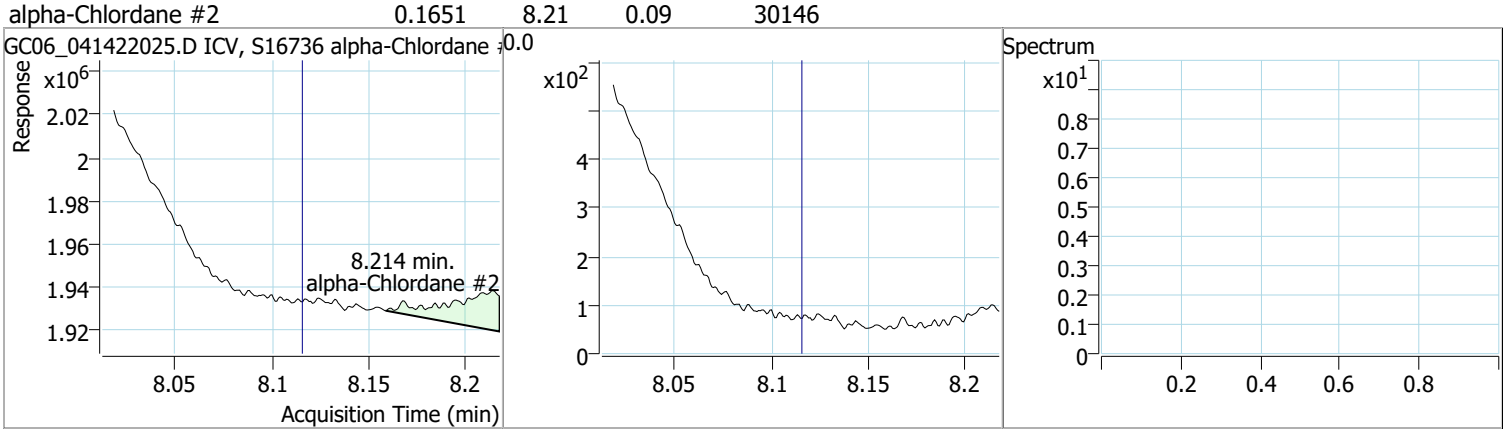
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	8.1428	8.05	0.11	447428			



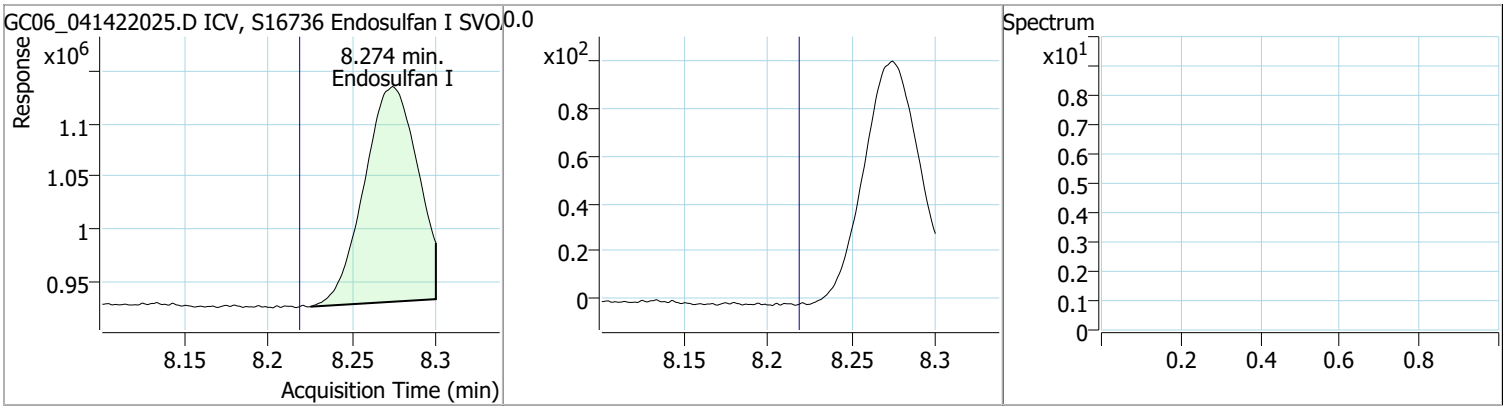
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	12.9126	8.05	-0.01	689271			



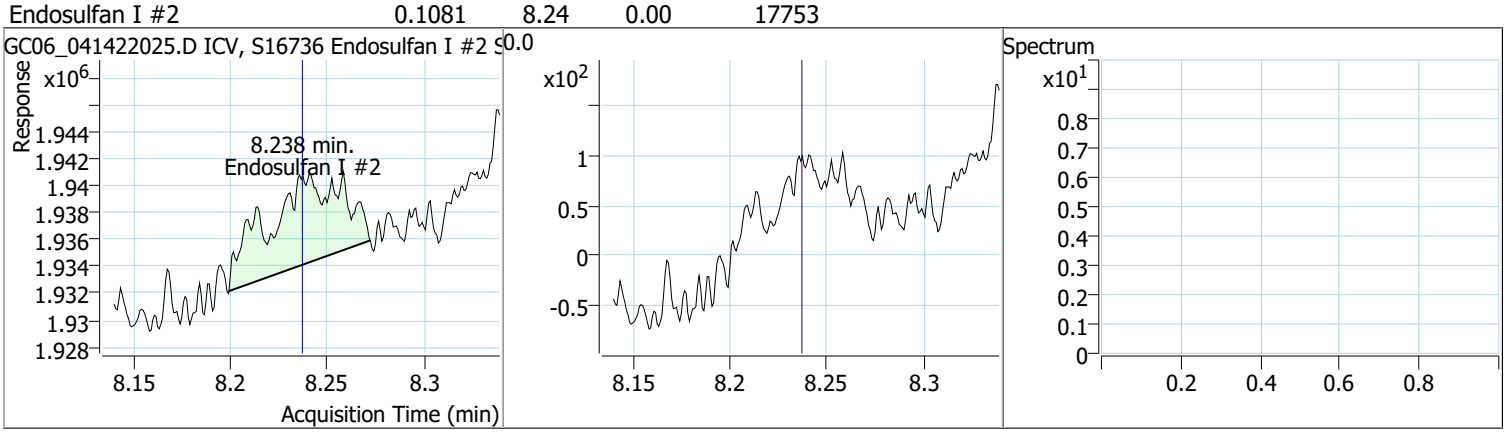
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane #2	0.1651	8.21	0.09	30146		



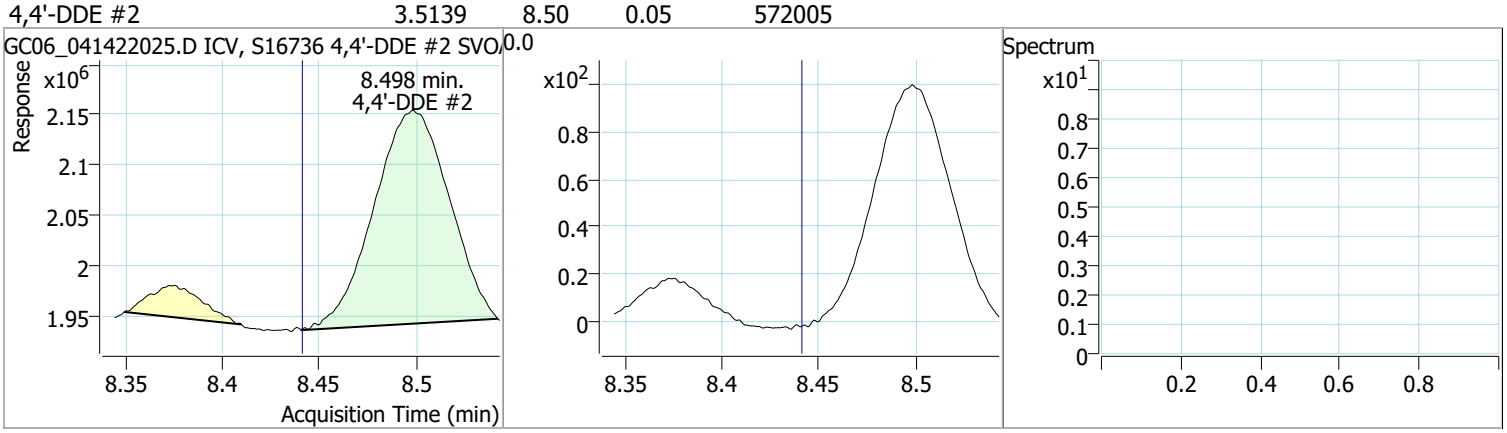
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	8.6675	8.27	0.10	455772		



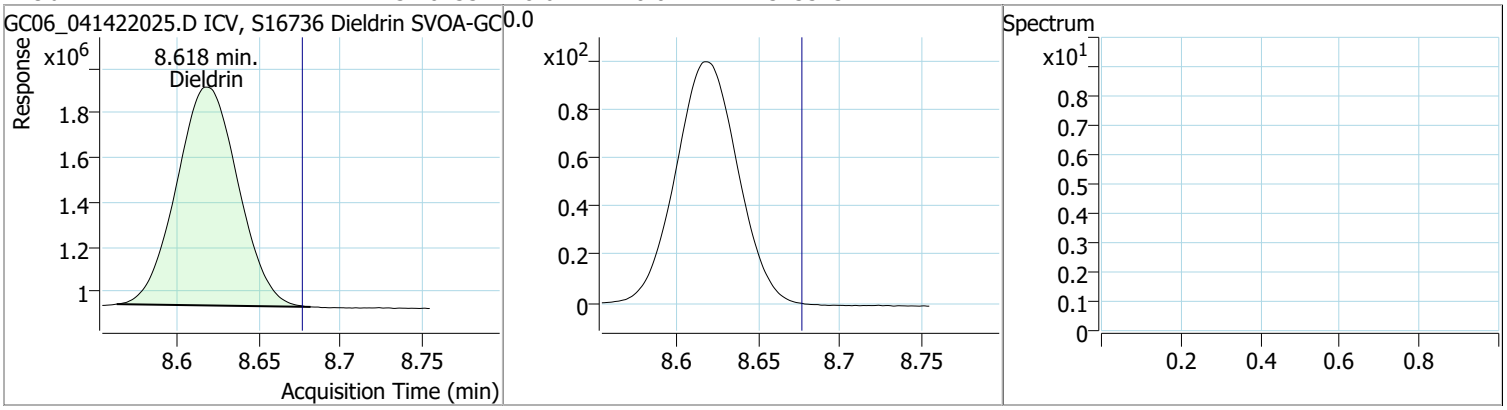
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endosulfan I #2	0.1081	8.24	0.00	17753		



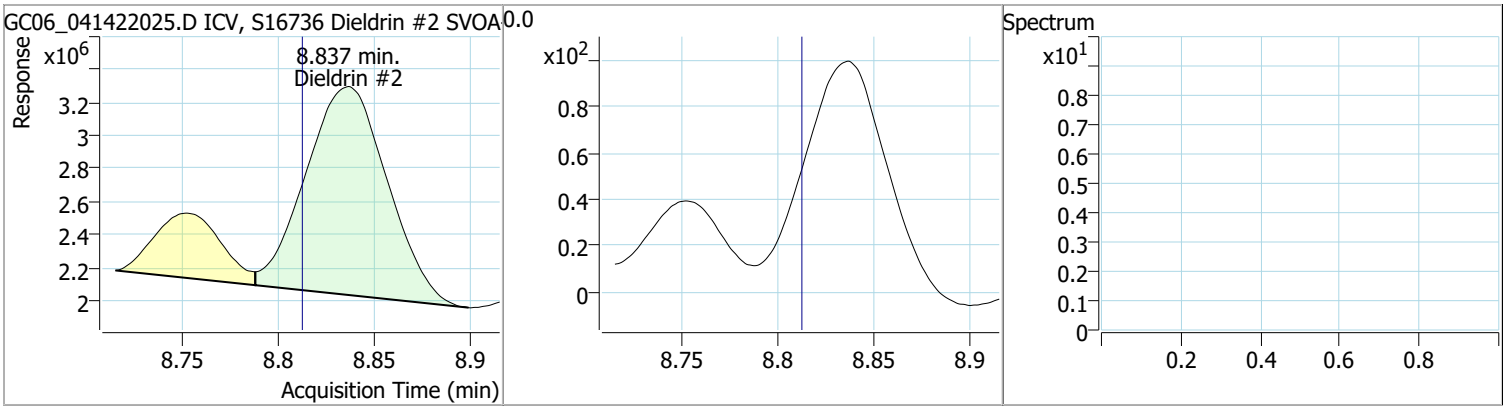
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	3.5139	8.50	0.05	572005		



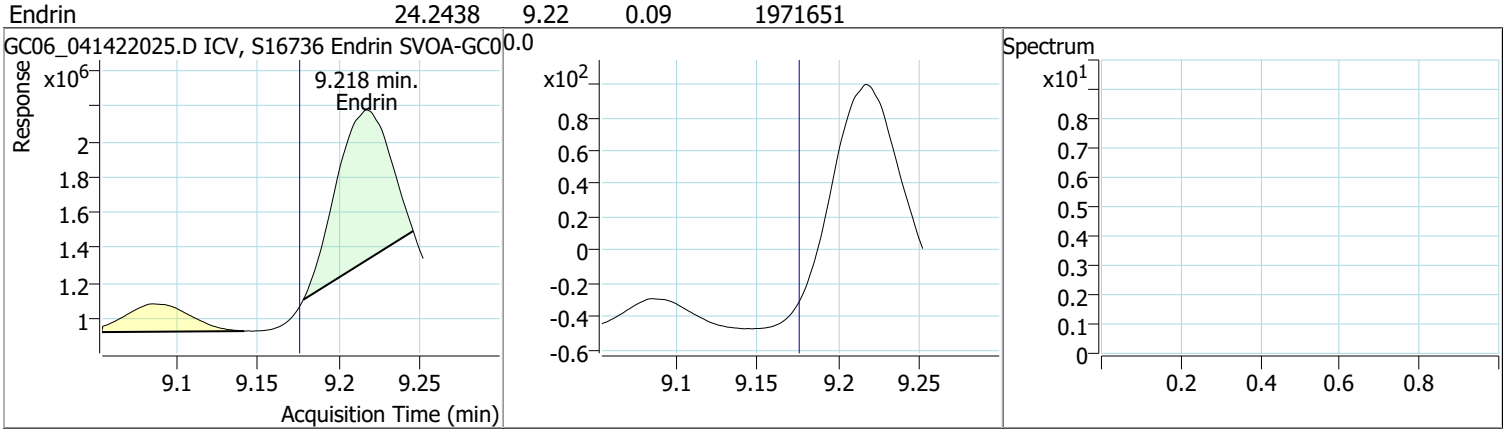
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Dieldrin	34.0733	8.62	-0.01	2545513		



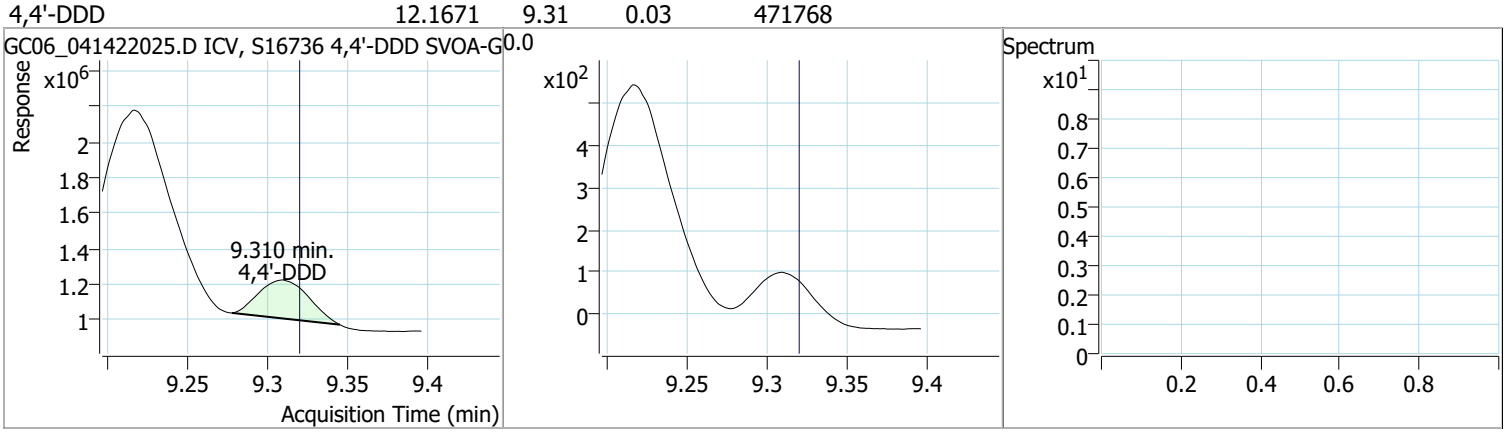
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	18.3757	8.84	0.02	3715515		



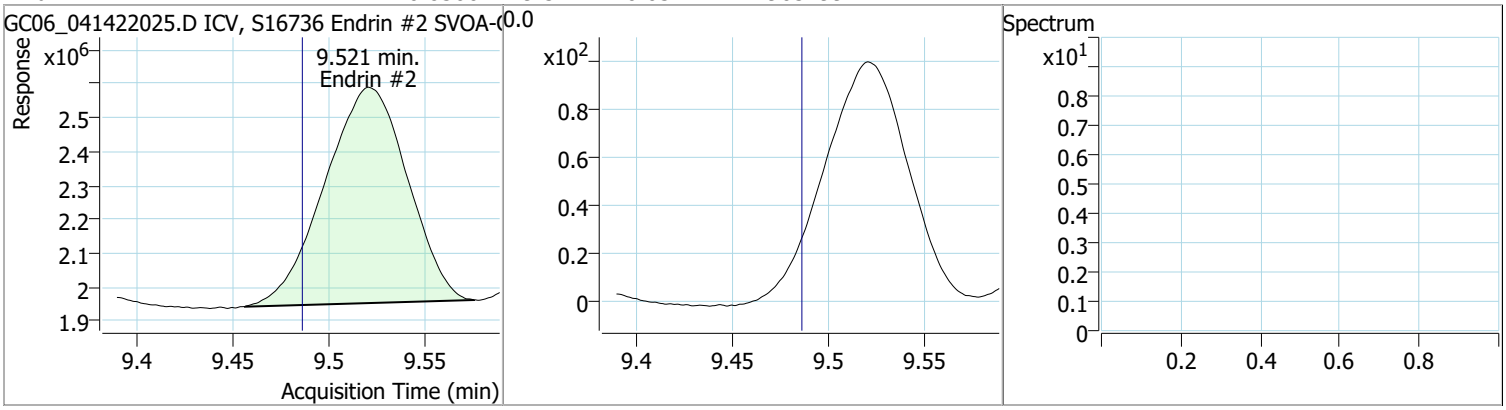
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endrin	24.2438	9.22	0.09	1971651		



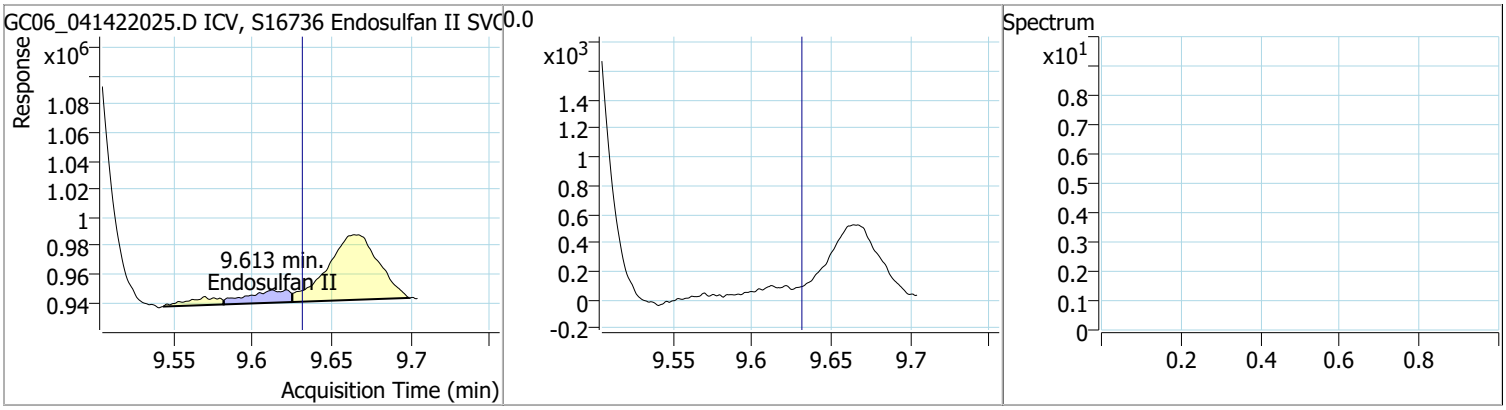
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	12.1671	9.31	0.03	471768		



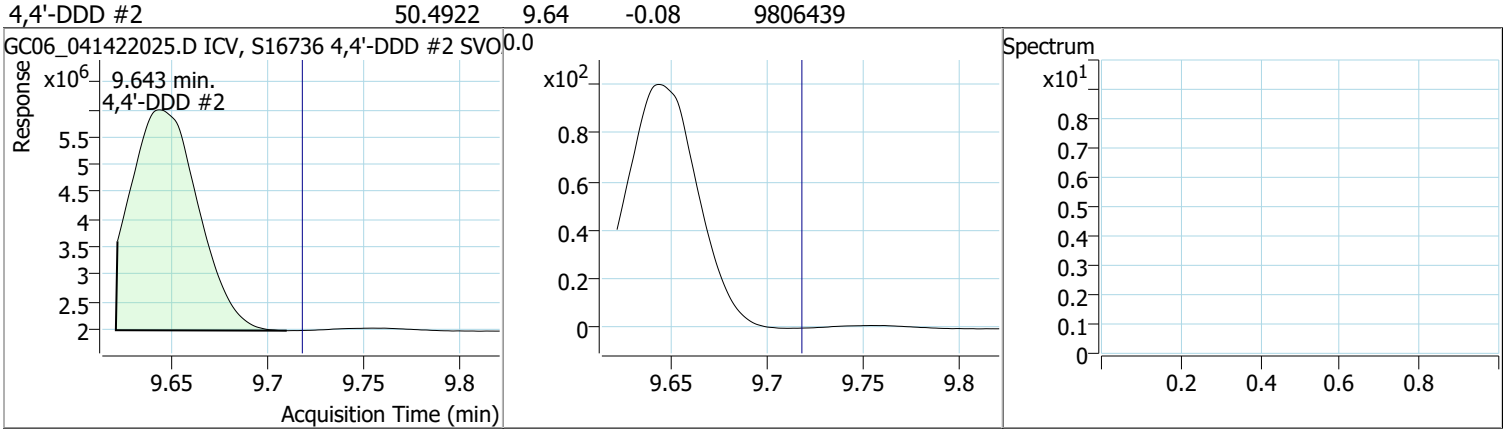
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin #2	10.8300	9.52	0.03	1905799			



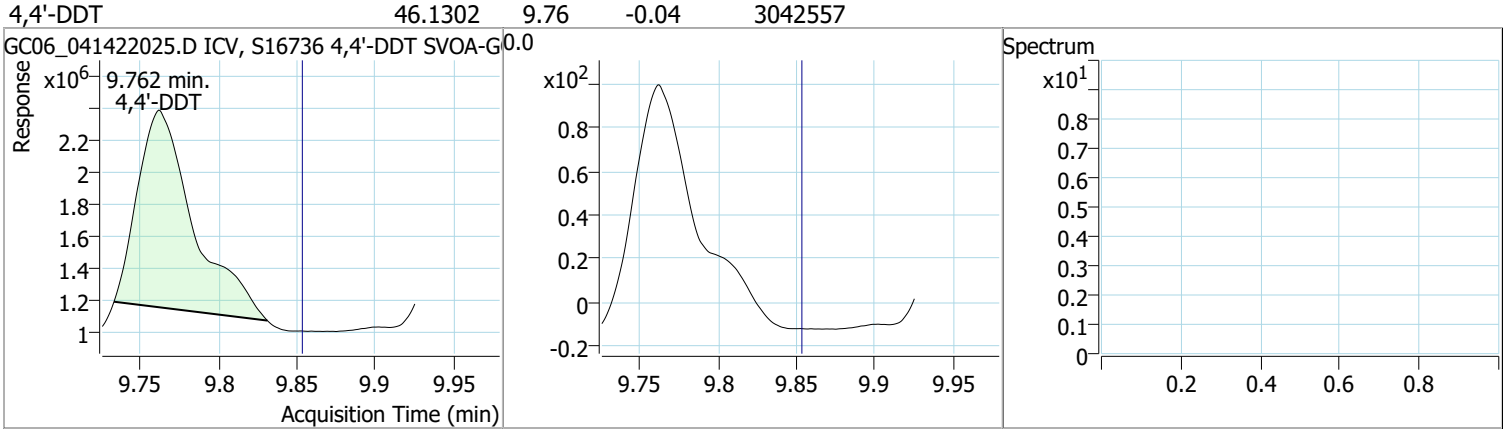
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II	0.3425	9.61	0.03	16477			



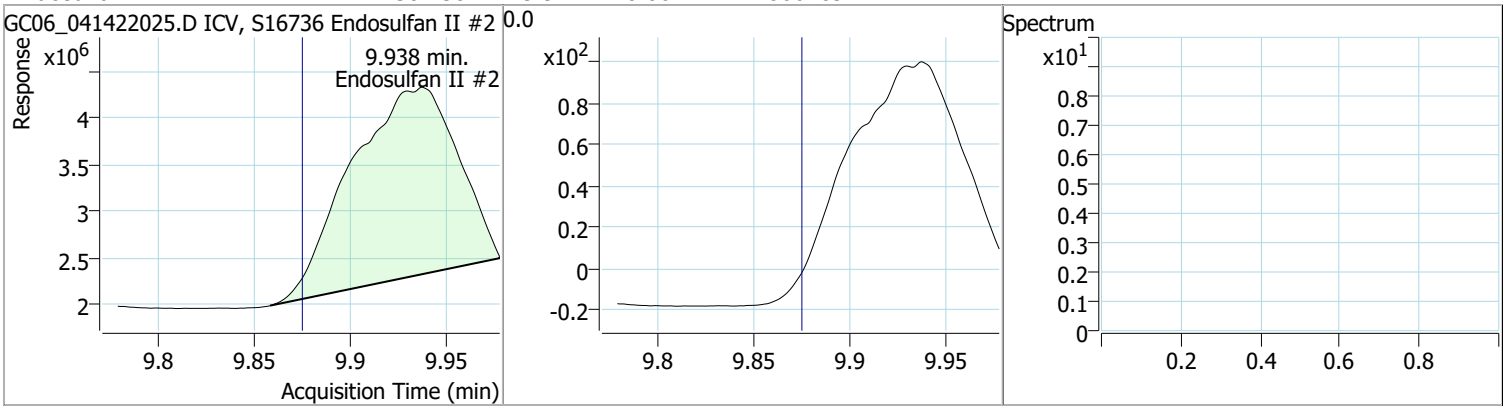
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	50.4922	9.64	-0.08	9806439			



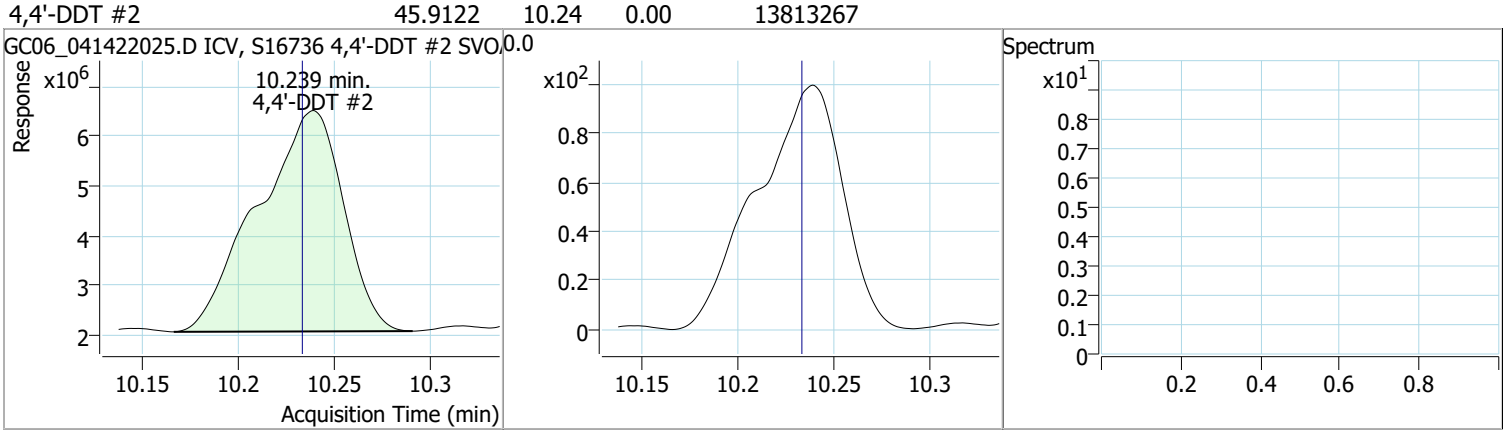
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	46.1302	9.76	-0.04	3042557			



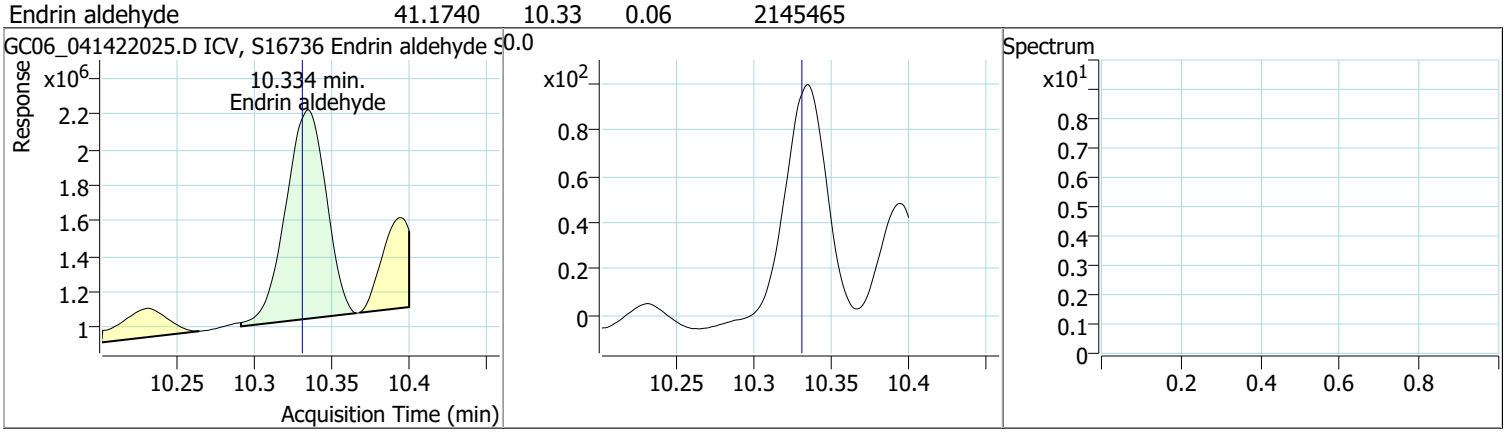
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	30.2587	9.94	0.06	7866789			



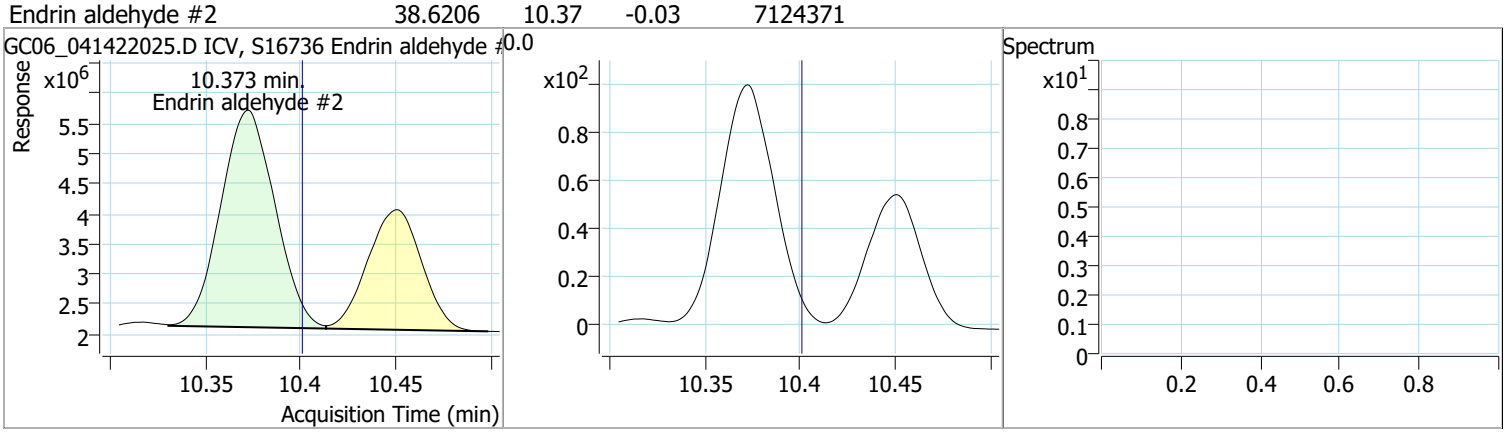
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	45.9122	10.24	0.00	13813267			



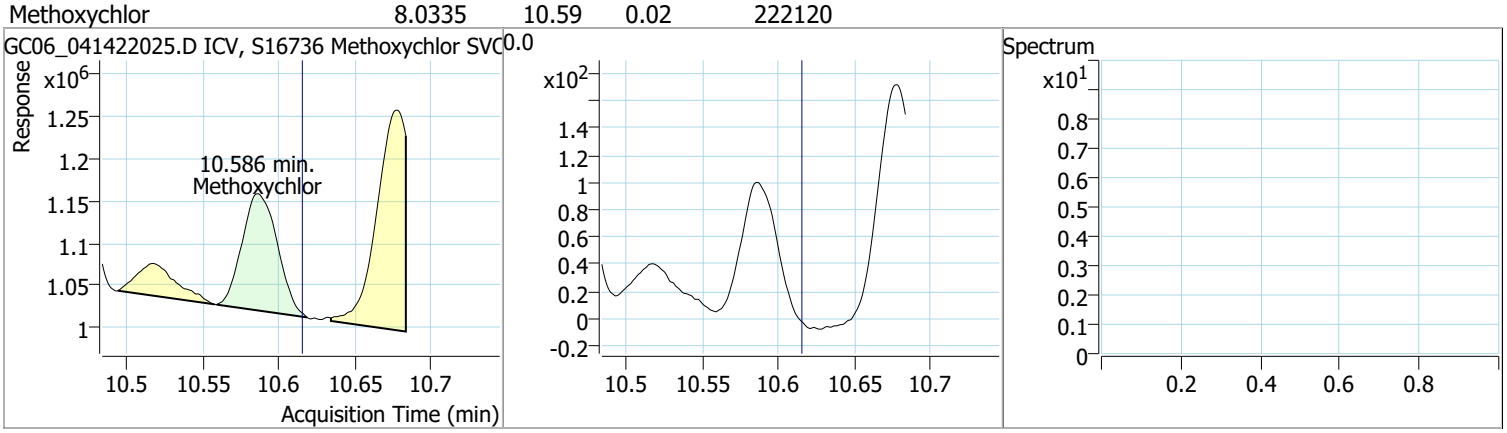
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	41.1740	10.33	0.06	2145465			



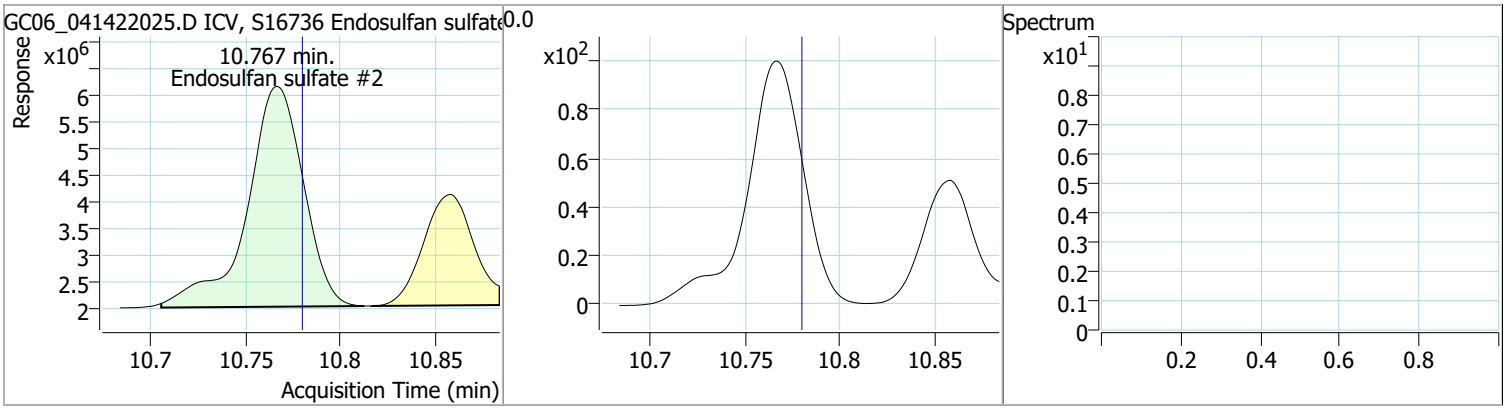
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	38.6206	10.37	-0.03	7124371			



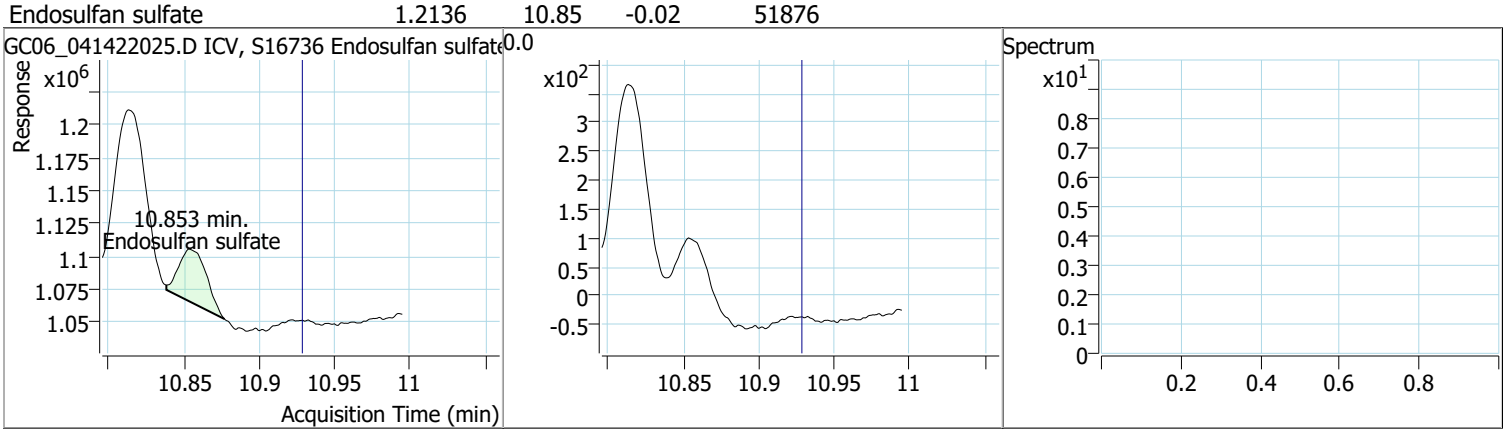
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	8.0335	10.59	0.02	222120			



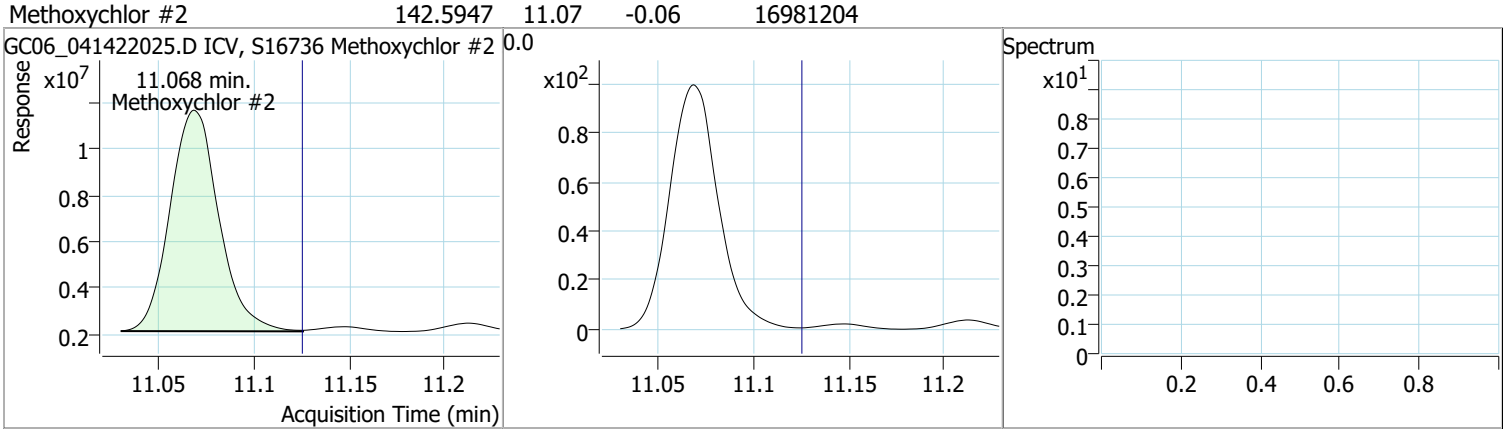
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	39.2094	10.77	-0.02	8477372			



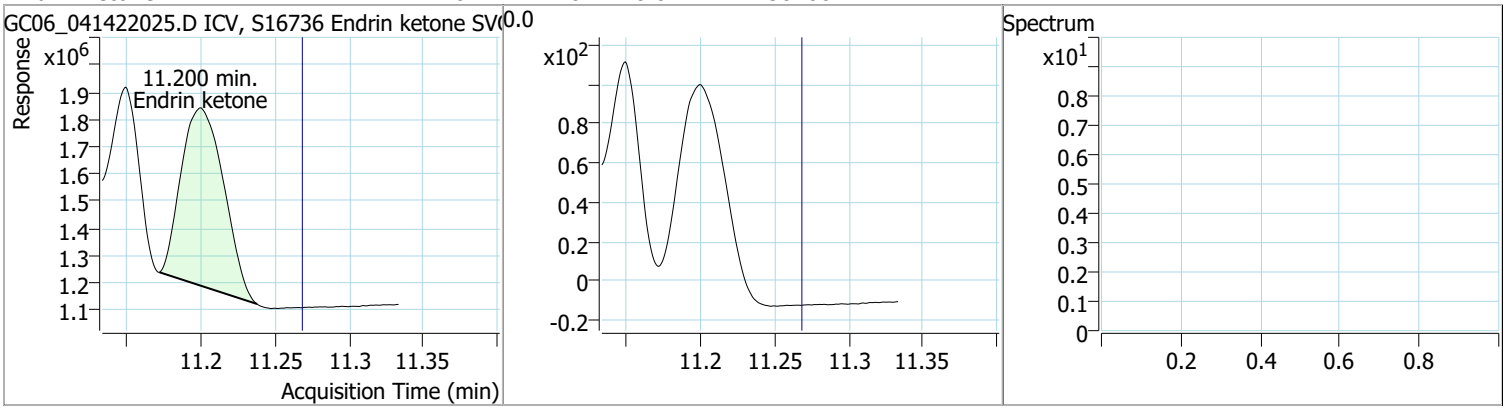
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	1.2136	10.85	-0.02	51876			



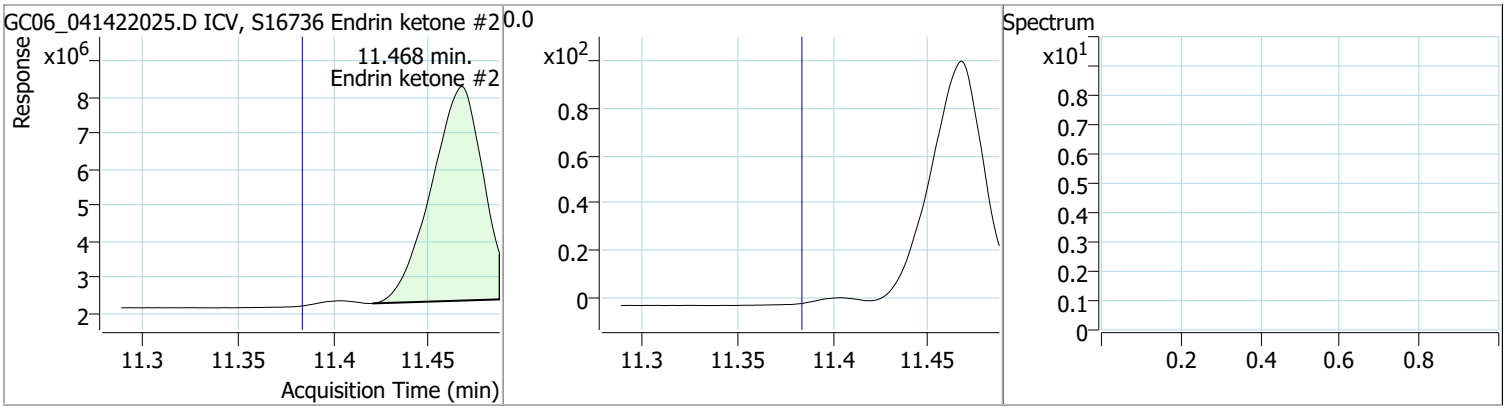
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	142.5947	11.07	-0.06	16981204			



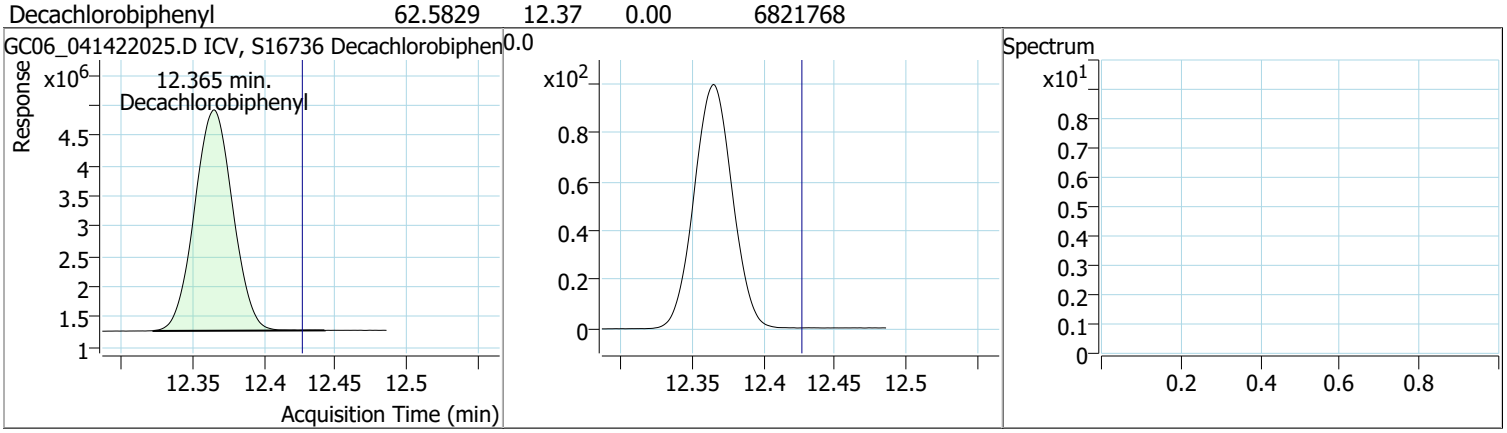
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	21.2201	11.20	-0.01	1304087			



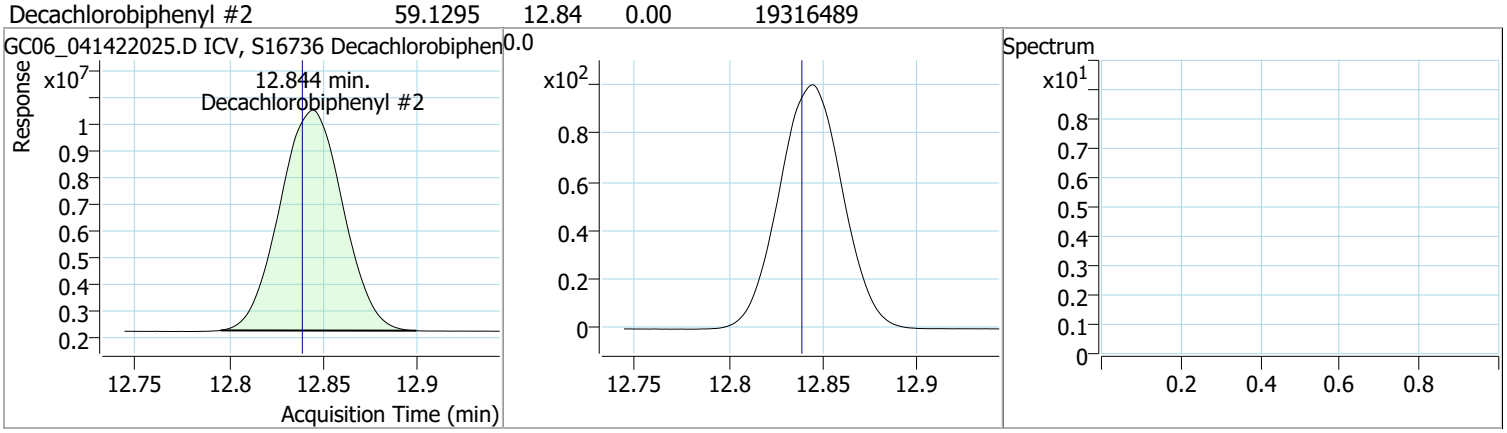
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	40.3514	11.47	0.08	11080565			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	62.5829	12.37	0.00	6821768			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	59.1295	12.84	0.00	19316489			



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 467769 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	452343556002	File:	gc06_082622002	Time:	26-AUG-2022 13:56
Cal:	452150634002	Caldate:	14-APR-2022		

Standards: S17055

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	550.8	ug/L	10	15	0.0000	
Aroclor-1260	A			500.0	569.3	ug/L	14	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.5203	1.7501	20.00	23.02	ug/L	15	15	0.0000	
TCMX (PCB)	A	0.9618	1.9034	20.00	39.58	ug/L	**98**	15	0.0000	c+
Aroclor-1016	B			500.0	579.5	ug/L	**16**	15	0.0000	**c+** ***
Aroclor-1260	B			500.0	605.4	ug/L	**21**	15	0.0000	**c+** ***
Decachlorobiphenyl (PCB)	B	1.2065	1.6012	20.00	26.54	ug/L	**33**	15	0.0000	c+
TCMX (PCB)	B	0.9158	1.9823	20.00	43.29	ug/L	**116**	15	0.0000	c+

ISTD (ICAL gc06_041422016)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	6493014	8218495	26.57
1-bromo-2-nitrobenzene (PCB)	A	1831488	1919479	4.80

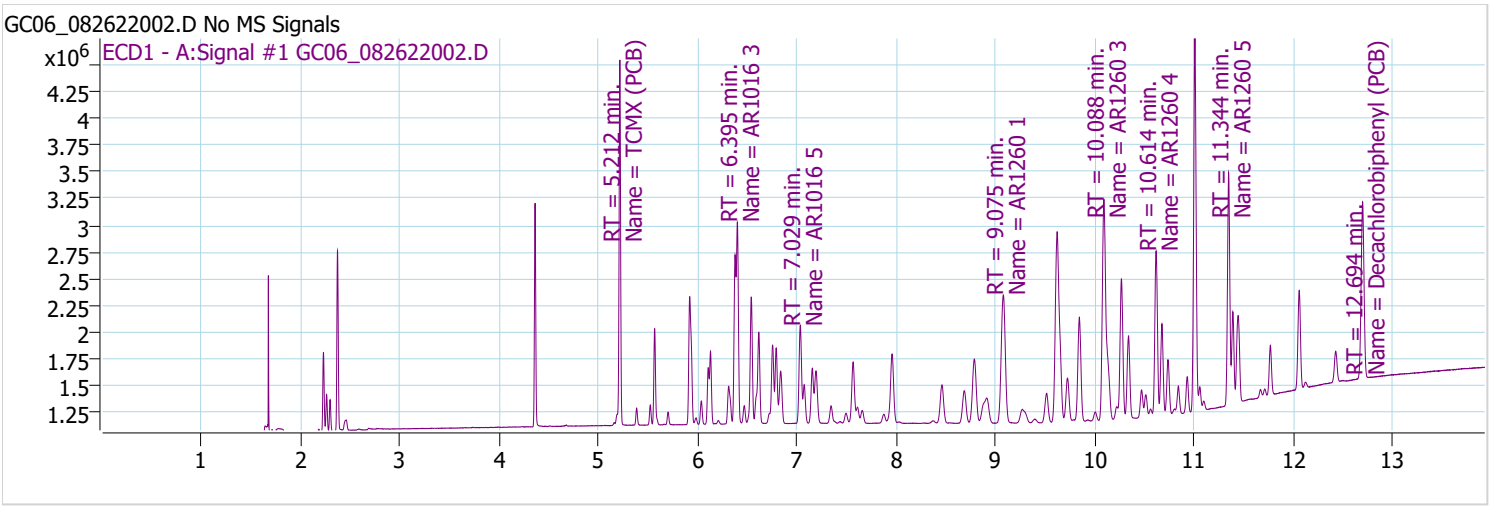
TRN 08/26/22 : Report from CH A

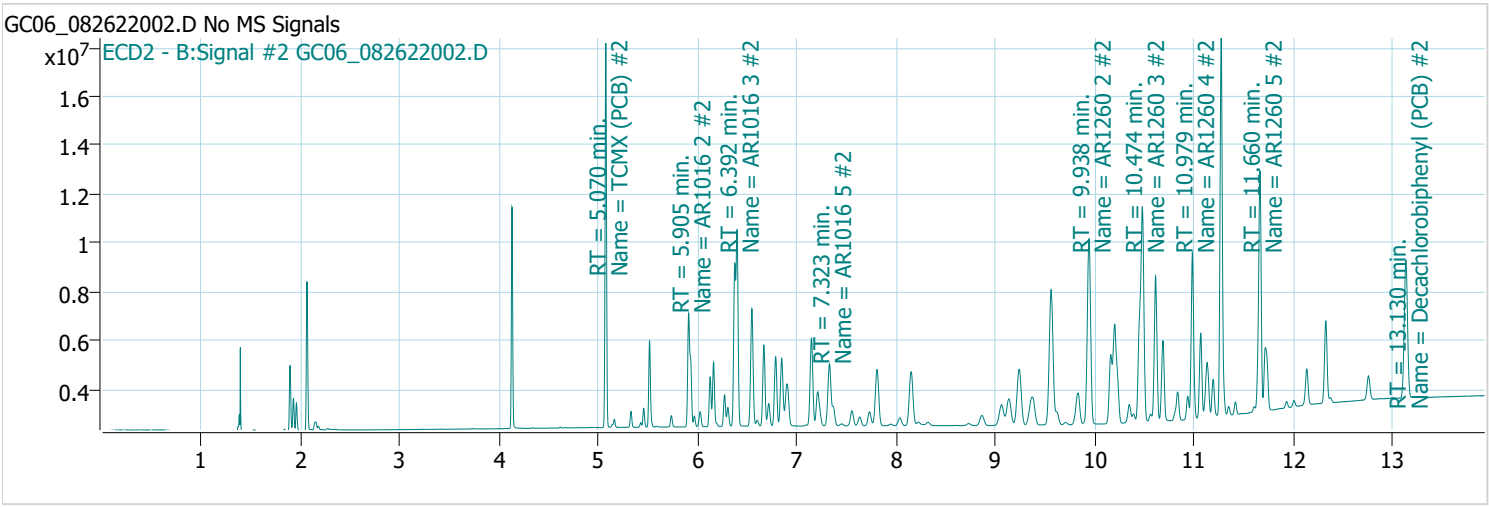
+=high bias c=CCV

Analyst: TRN 08/26/22 **Reviewer:** SLL 08/29/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622002.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/26/2022 1:56:28 PM
Sample Name	CCV, S17055	Instrument	SVOA-GC06
Vial	144	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



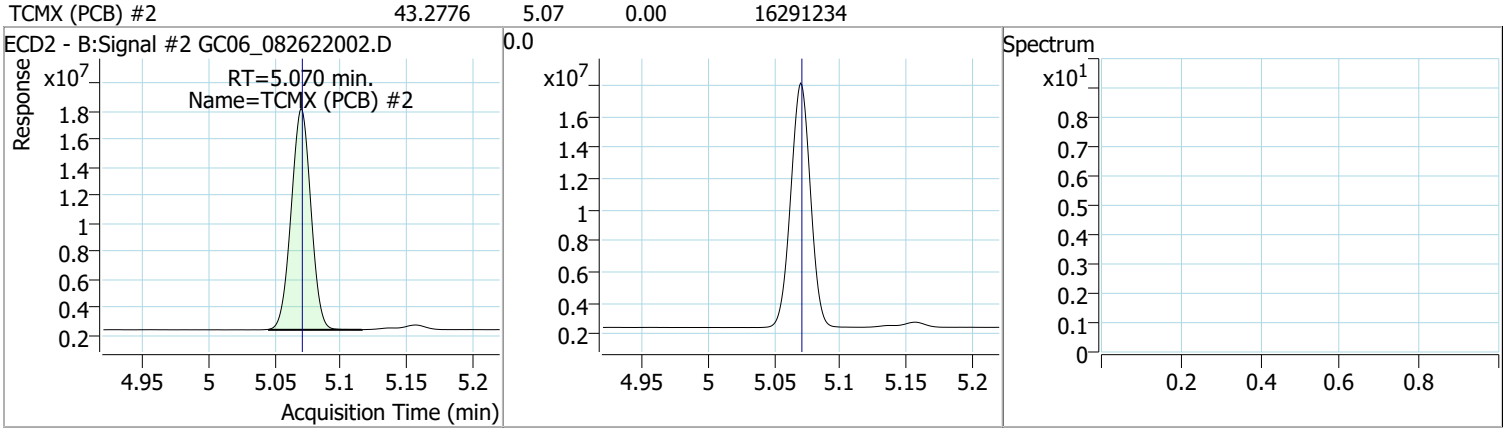


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.125	0.0	8218494.593	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.358	0.0	1919479.072	20.0000	ng/ml		0.002
System Monitoring Compounds							
S TCMX (PCB) #2	5.070	0.0	16291234.129	43.2776	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 216.39%		*	
S TCMX (PCB)	5.212	0.0	3653450.959	39.5705	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 197.85%		*	
S Decachlorobiphenyl (PCB)	12.694	0.0	3359239.629	23.0170	ng/ml		-0.012
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 115.08%			
S Decachlorobiphenyl (PCB) #2	13.130	0.0	13159529.169	26.5355	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 132.68%			
Target Compounds							QValue

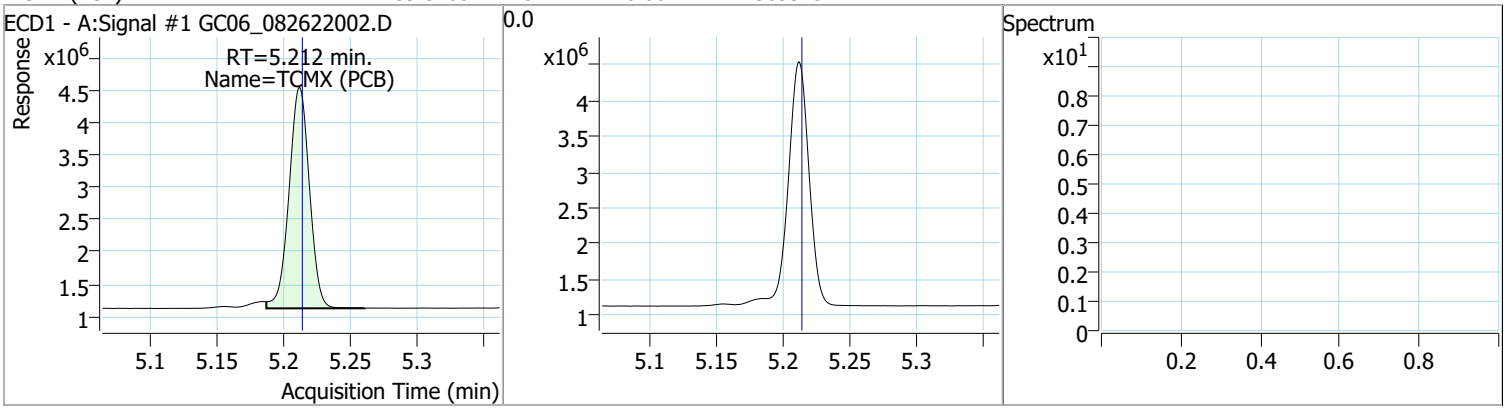
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.511	0.0	4274488.188	555.3903	ng/ml	100
T AR1016 1	5.563	0.0	1090360.480	580.7240	ng/ml	100
T AR1016 2 #2	5.905	0.0	9205725.527	576.3707	ng/ml	100
T AR1016 2	5.916	0.0	2203765.979	539.0542	ng/ml	100
T AR1016 3 #2	6.392	0.0	11832868.321	561.7652	ng/ml	100
T AR1016 3	6.395	0.0	2715067.310	564.2971	ng/ml	100
T AR1016 4	6.535	0.0	1800767.814	500.1343	ng/ml	100
T AR1016 4 #2	6.542	0.0	8308954.061	581.4380	ng/ml	100
T AR1016 5	7.029	0.0	1585119.746	569.1221	ng/ml	100
T AR1016 5 #2	7.323	0.0	6946876.523	621.7807	ng/ml	100
T AR1260 1	9.075	0.0	3437158.892	569.0029	ng/ml	100
T AR1260 1 #2	9.556	0.0	16016236.166	643.8940	ng/ml	100
T AR1260 2	9.617	0.0	5231800.841	562.3147	ng/ml	100
T AR1260 2 #2	9.938	0.0	17641523.891	613.8068	ng/ml	100
T AR1260 3	10.088	0.0	5750483.902	594.5388	ng/ml	100
T AR1260 3 #2	10.474	0.0	24308622.647	622.5284	ng/ml	100
T AR1260 4	10.614	0.0	2746637.464	570.9931	ng/ml	100
T AR1260 4 #2	10.979	0.0	11794601.506	558.2012	ng/ml	100
T AR1260 5	11.344	0.0	3493607.876	548.7437	ng/ml	100
T AR1260 5 #2	11.660	0.0	18309367.109	587.7400	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

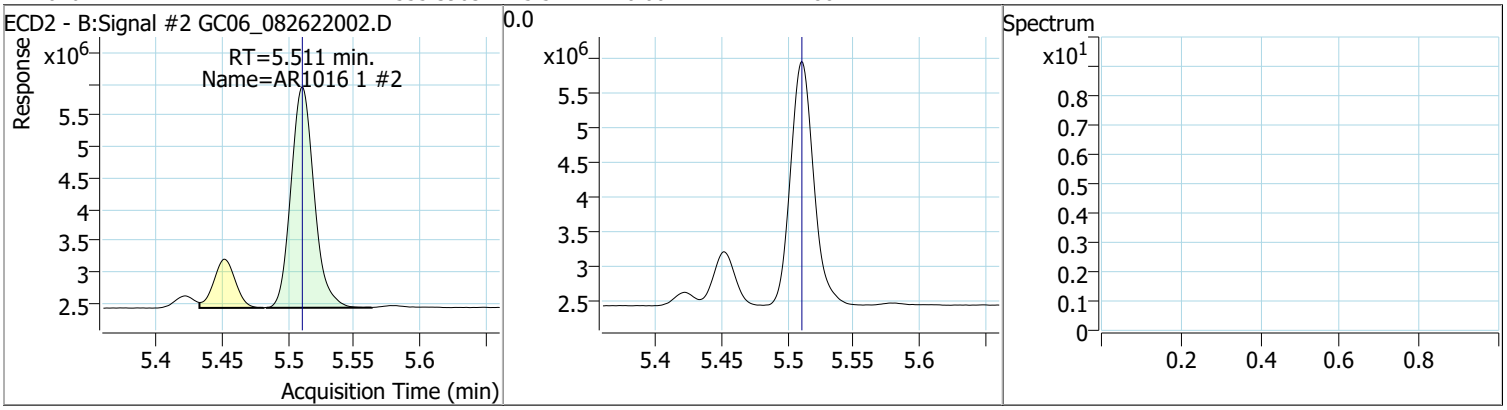
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	43.2776	5.07	0.00	16291234				



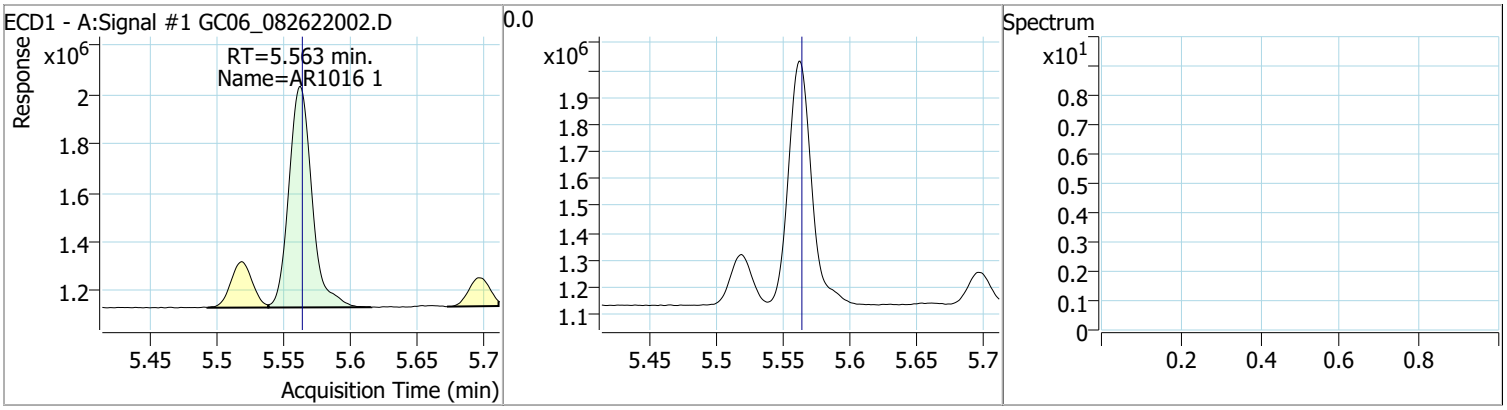
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.5705	5.21	0.00	3653451				



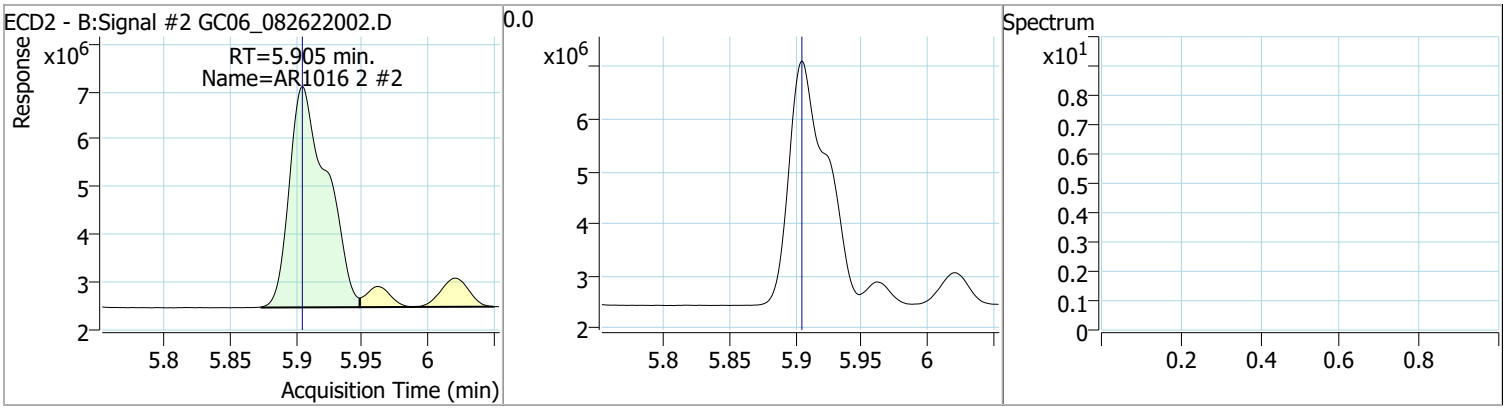
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	555.3903	5.51	0.00	4274488				



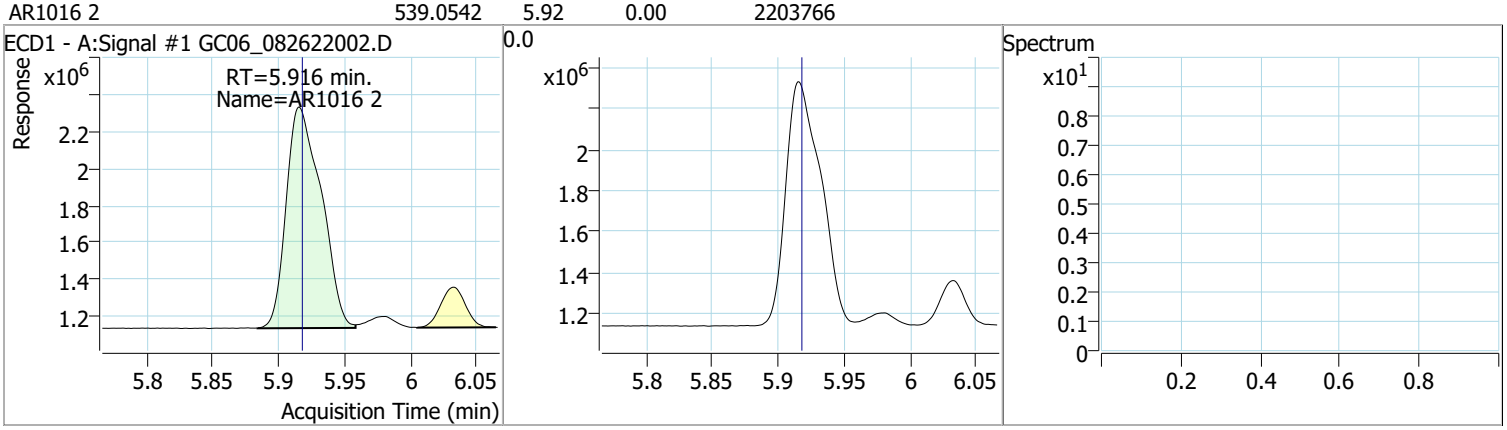
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	580.7240	5.56	0.00	1090360				



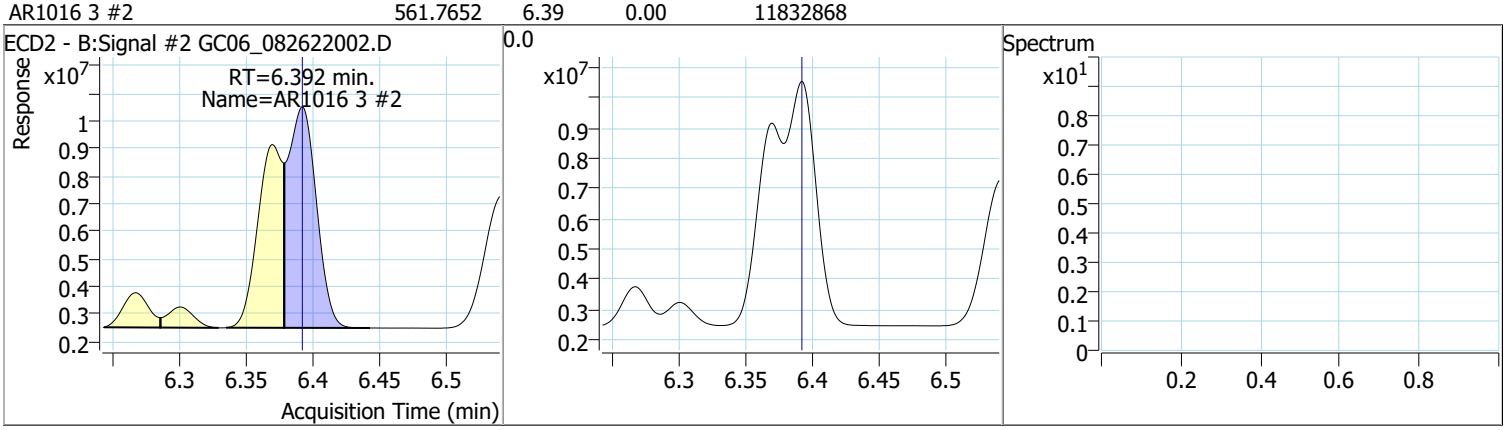
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	576.3707	5.91	0.00	9205726				



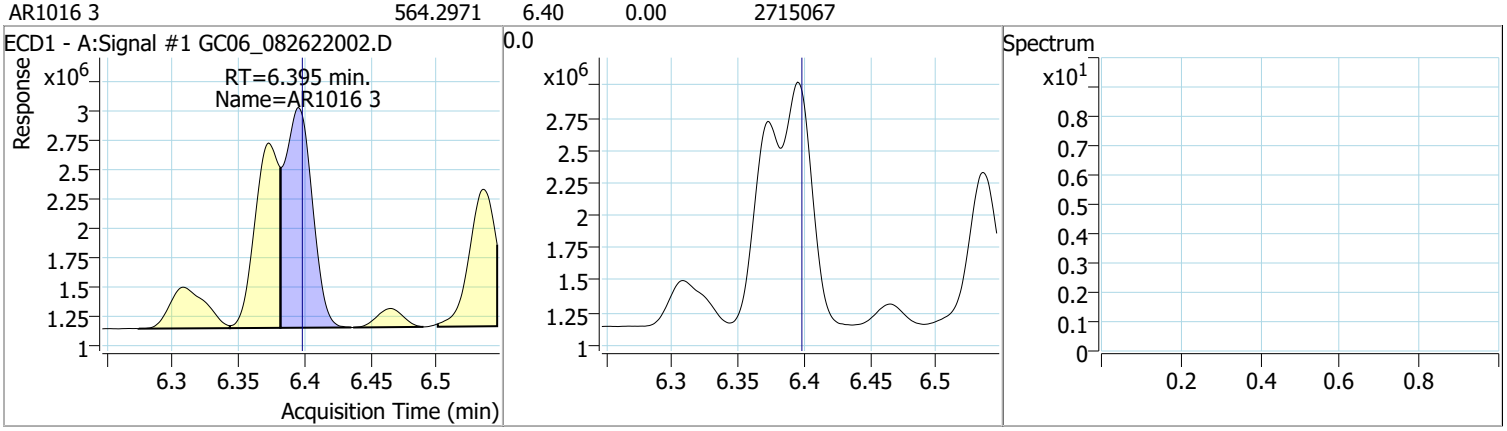
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	539.0542	5.92	0.00	2203766				



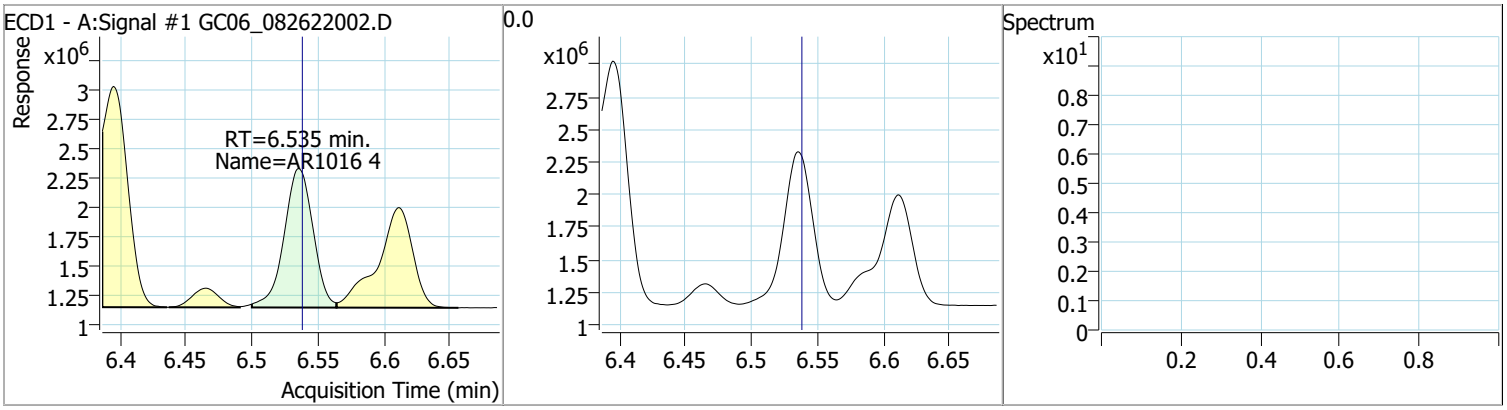
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	561.7652	6.39	0.00	11832868				



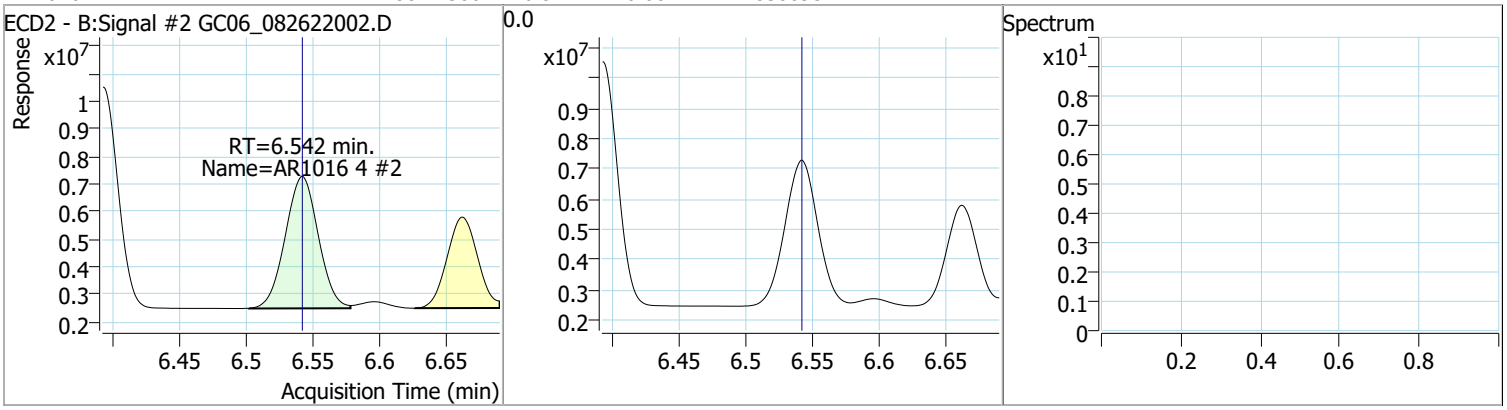
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	564.2971	6.40	0.00	2715067				



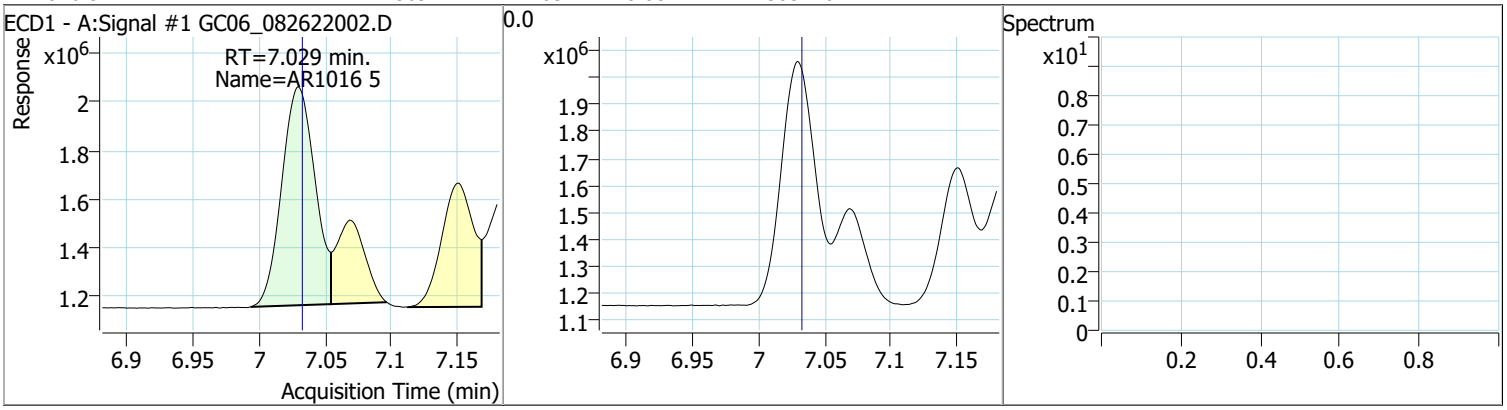
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	500.1343	6.54	0.00	1800768				



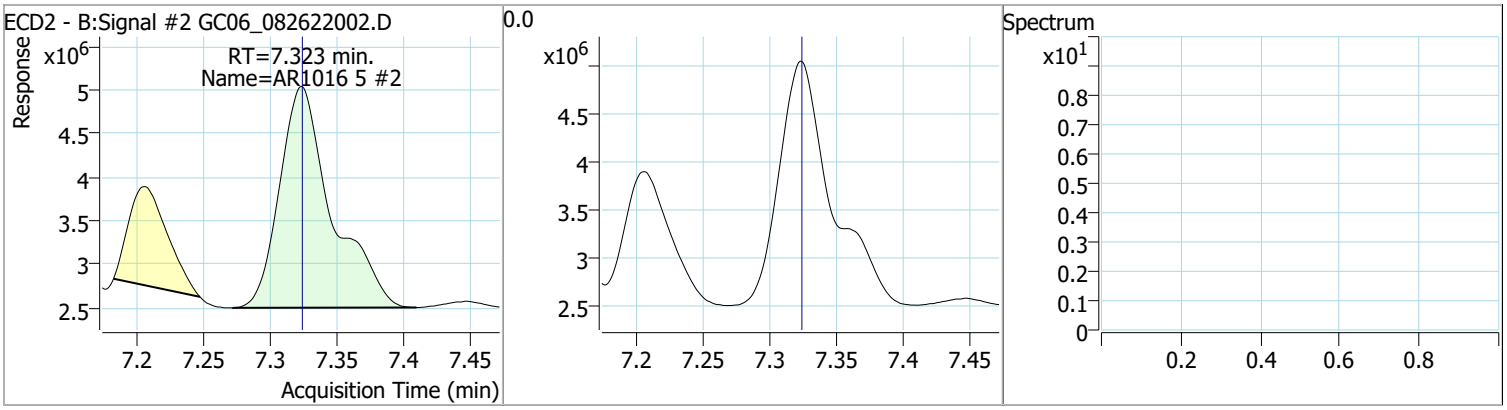
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	581.4380	6.54	0.00	8308954				



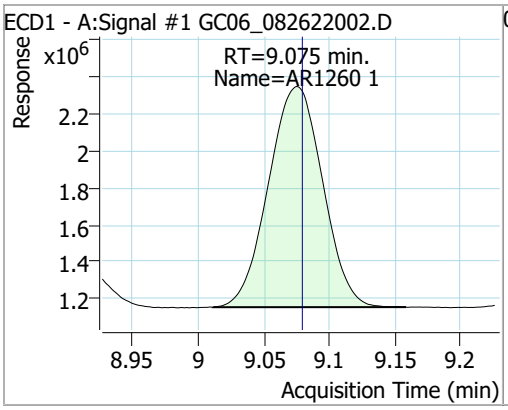
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	569.1221	7.03	0.00	1585120				

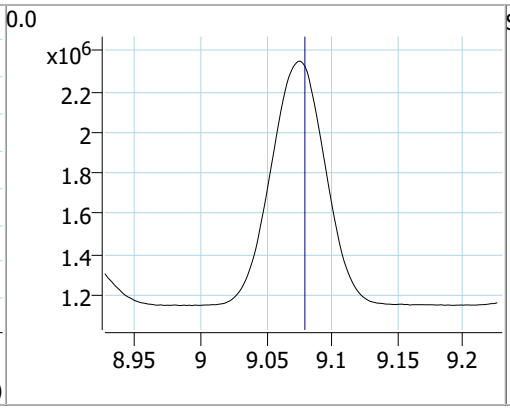


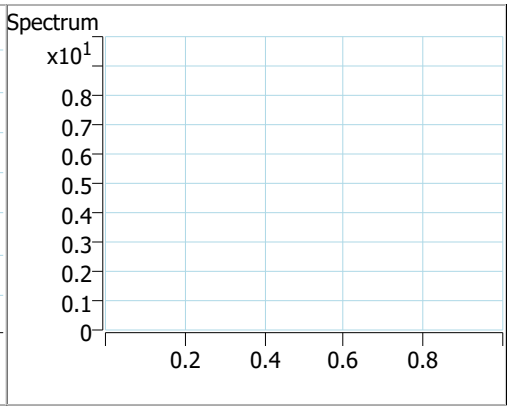
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	621.7807	7.32	0.00	6946877				



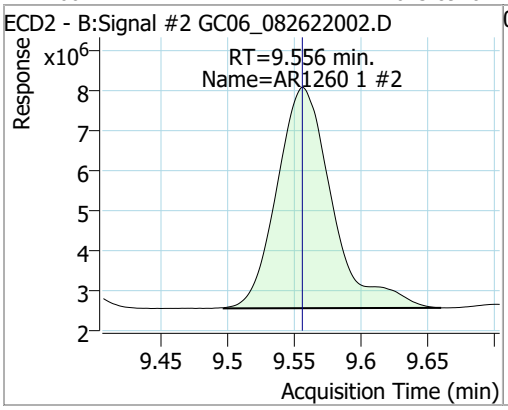
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	569.0029	9.08	0.00	3437159				

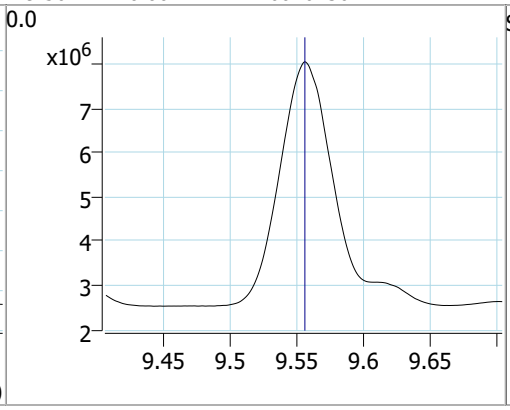


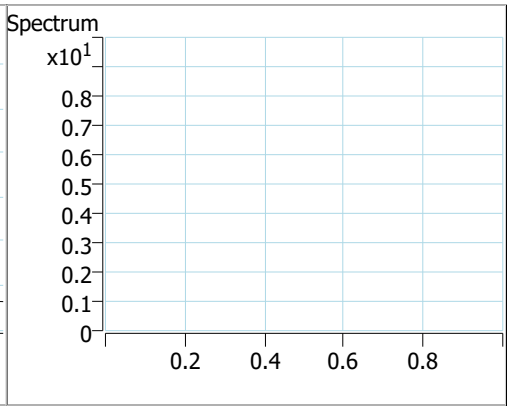




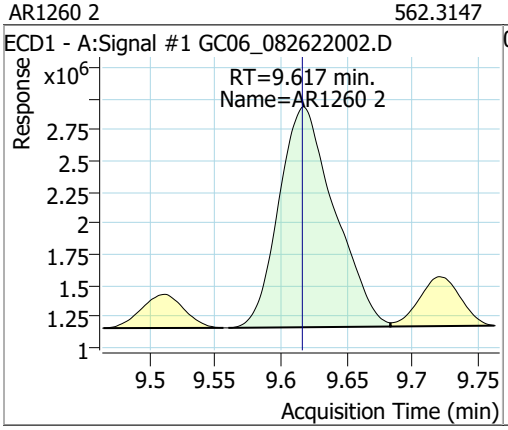
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	643.8940	9.56	0.00	16016236				

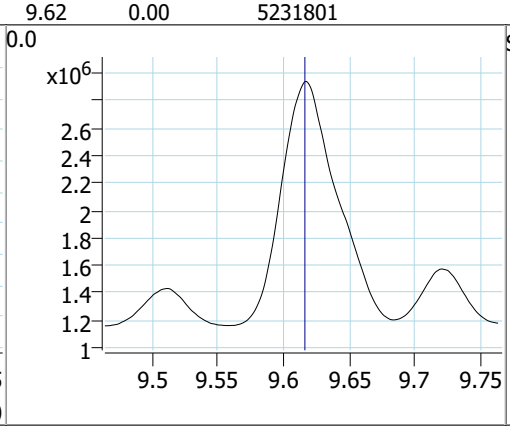


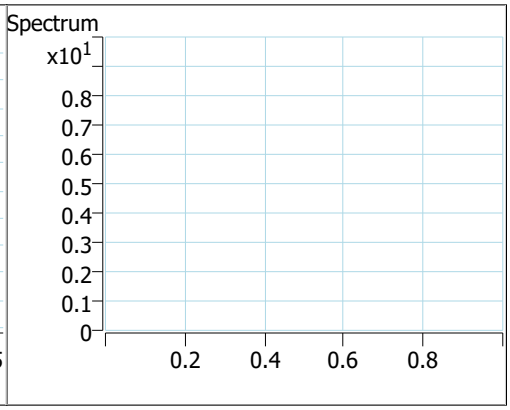




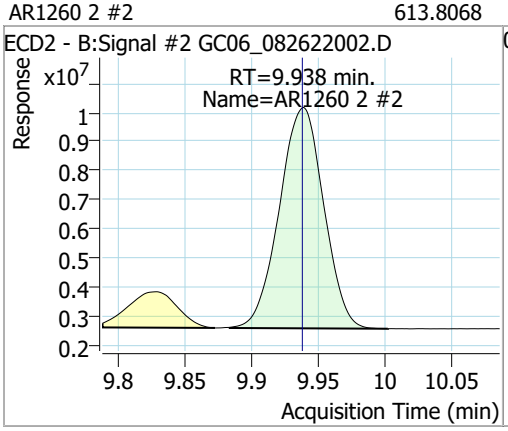
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	562.3147	9.62	0.00	5231801				

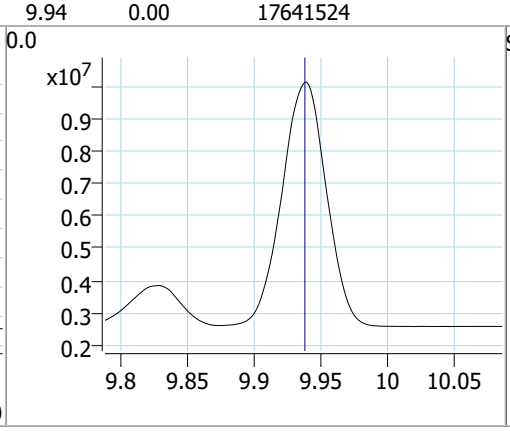


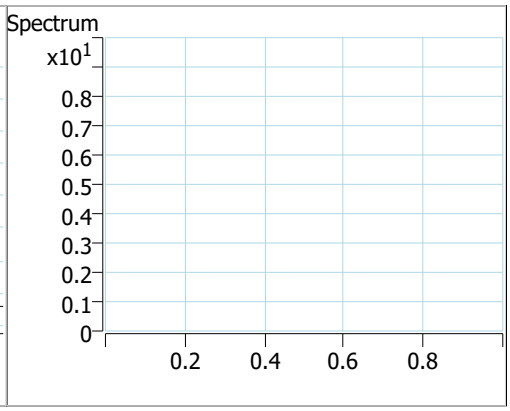




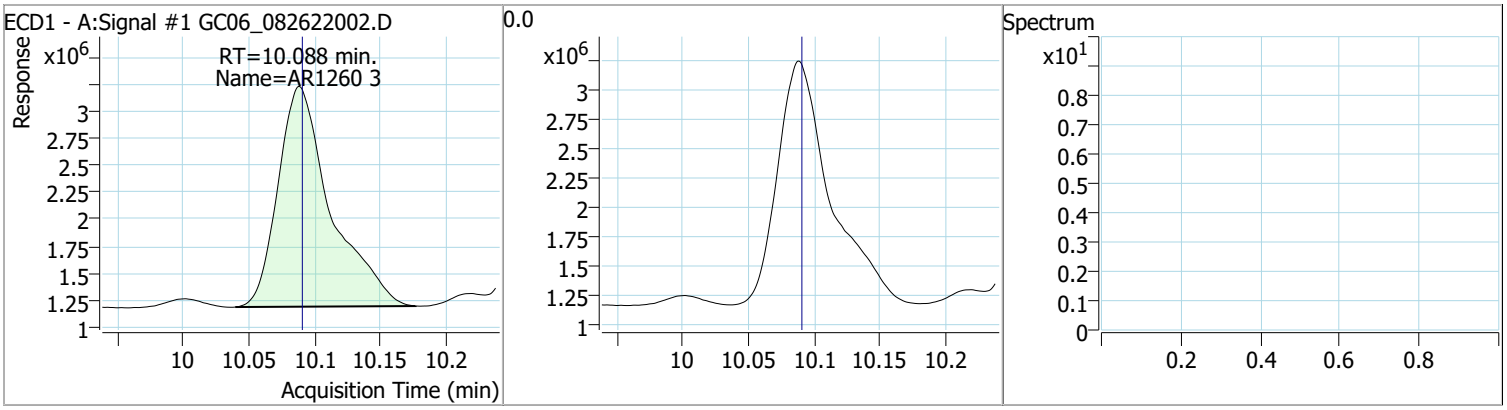
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	613.8068	9.94	0.00	17641524				



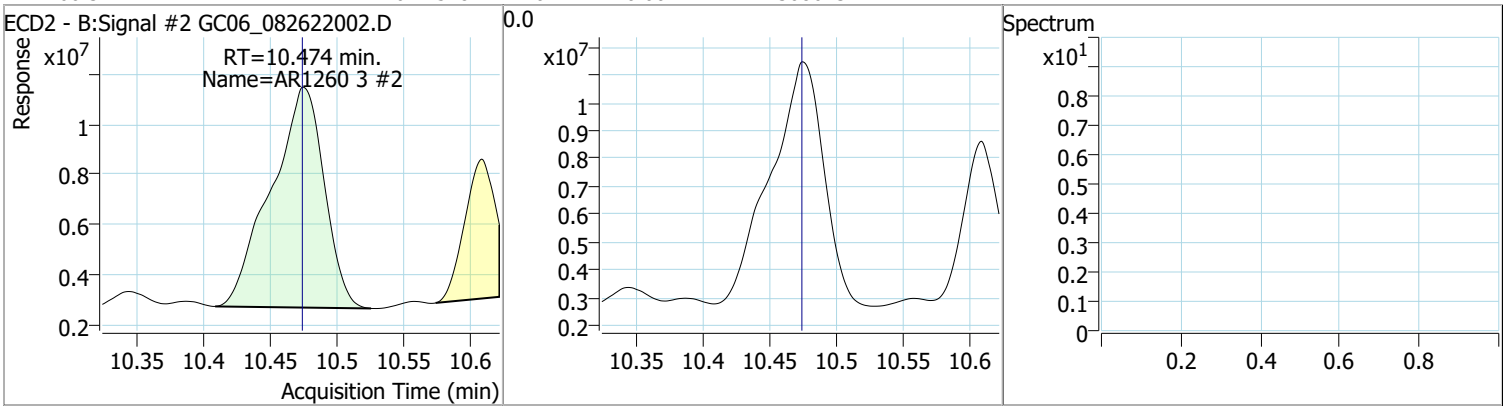




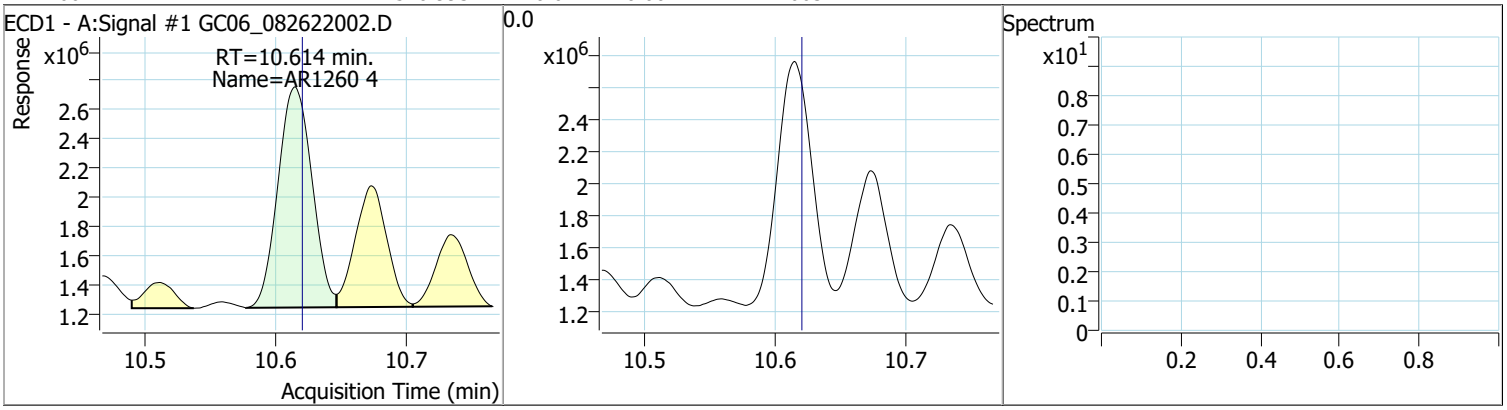
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	594.5388	10.09	0.00	5750484				



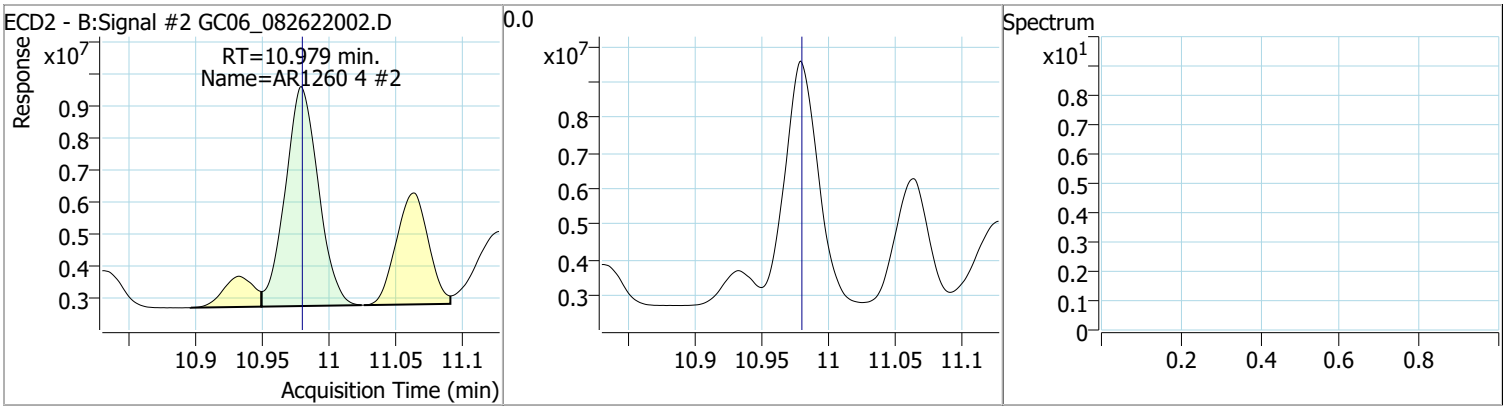
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	622.5284	10.47	0.00	24308623				



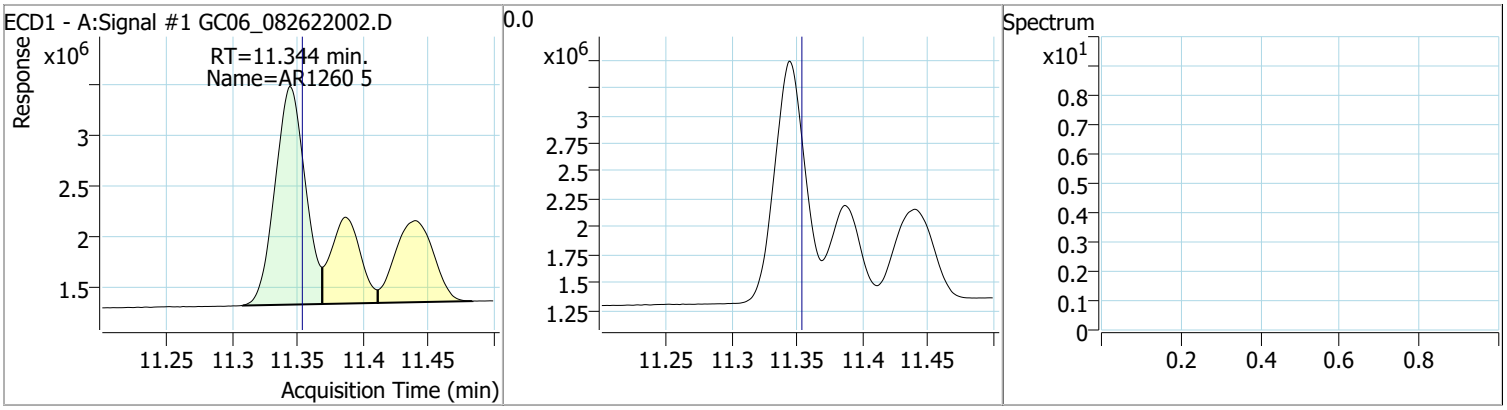
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	570.9931	10.61	0.00	2746637				



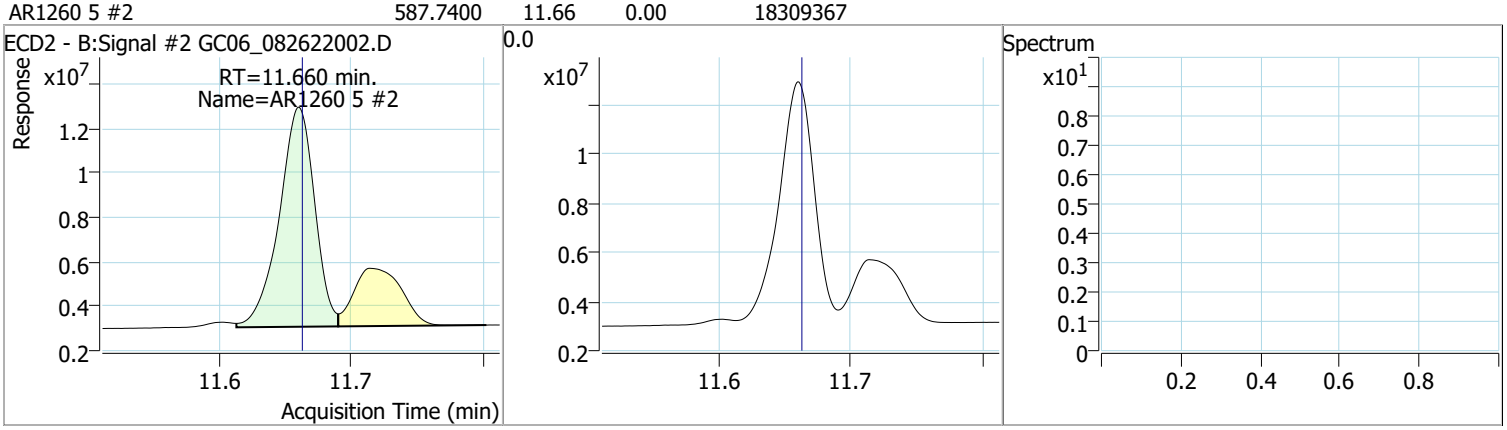
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	558.2012	10.98	0.00	11794602				



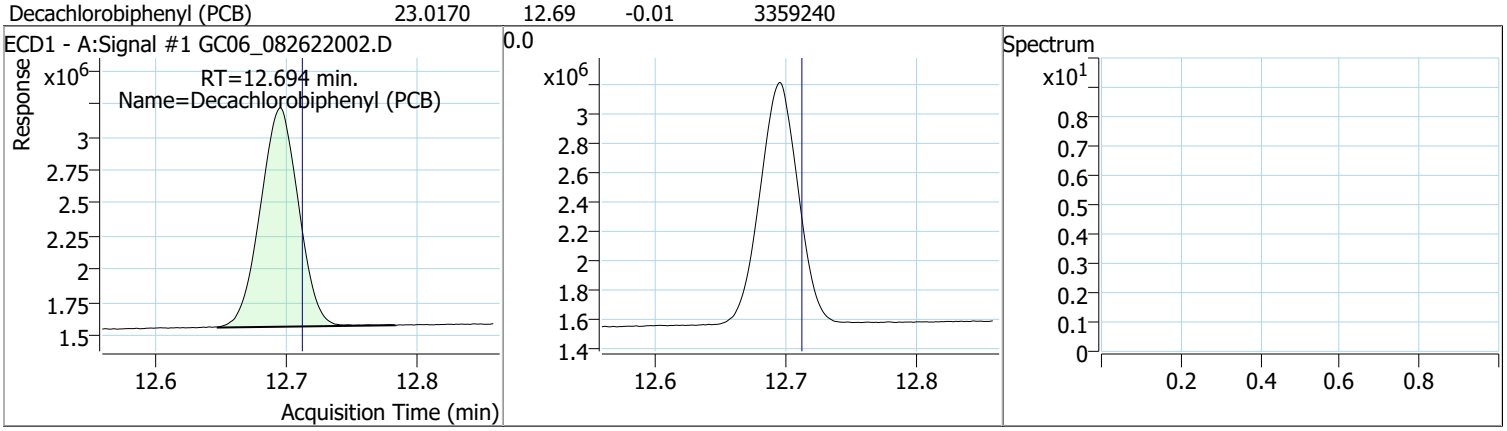
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	548.7437	11.34	0.00	3493608				



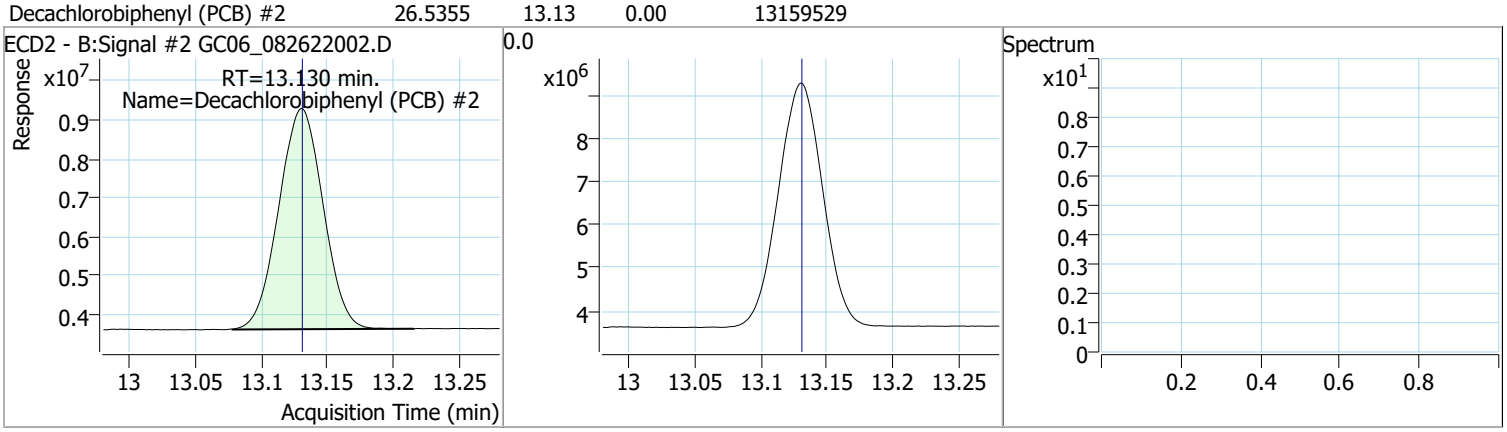
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	587.7400	11.66	0.00	18309367				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	23.0170	12.69	-0.01	3359240				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	26.5355	13.13	0.00	13159529				



ENTHALPY CONTINUING CALIBRATION FOR 467769 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	452349374002	File:	gc06_083022002	Time:	30-AUG-2022 14:54
Cal:	452150634002	Caldate:	14-APR-2022		

Standards: S17055

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	454.1	ug/L	-9	15	0.0000	
Aroclor-1260	A			500.0	469.4	ug/L	-6	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.5203	1.3144	20.00	17.29	ug/L	-14	15	0.0000	
TCMX (PCB)	A	0.9618	0.9916	20.00	20.62	ug/L	3	15	0.0000	
Aroclor-1016	B			500.0	491.4	ug/L	-2	15	0.0000	
Aroclor-1260	B			500.0	484.9	ug/L	-3	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2065	1.1754	20.00	19.48	ug/L	-3	15	0.0000	
TCMX (PCB)	B	0.9158	0.9897	20.00	21.61	ug/L	8	15	0.0000	

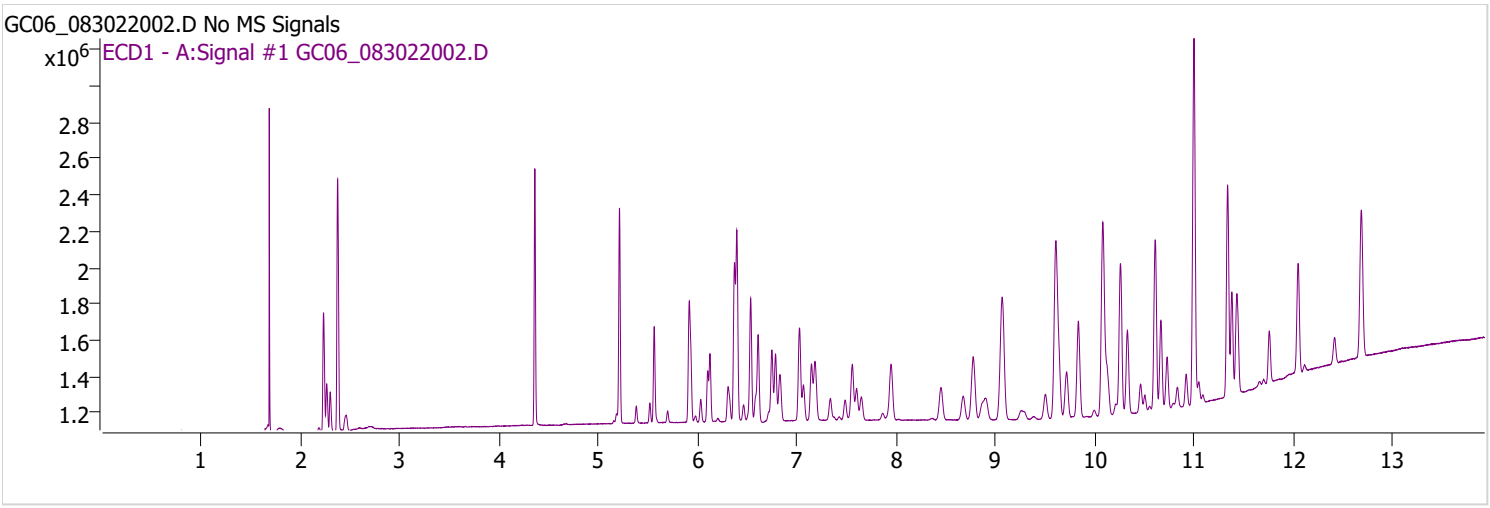
ISTD (ICAL gc06_041422016)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	6493014	5237900	-19.33
1-bromo-2-nitrobenzene (PCB)	A	1831488	1298245	-29.12

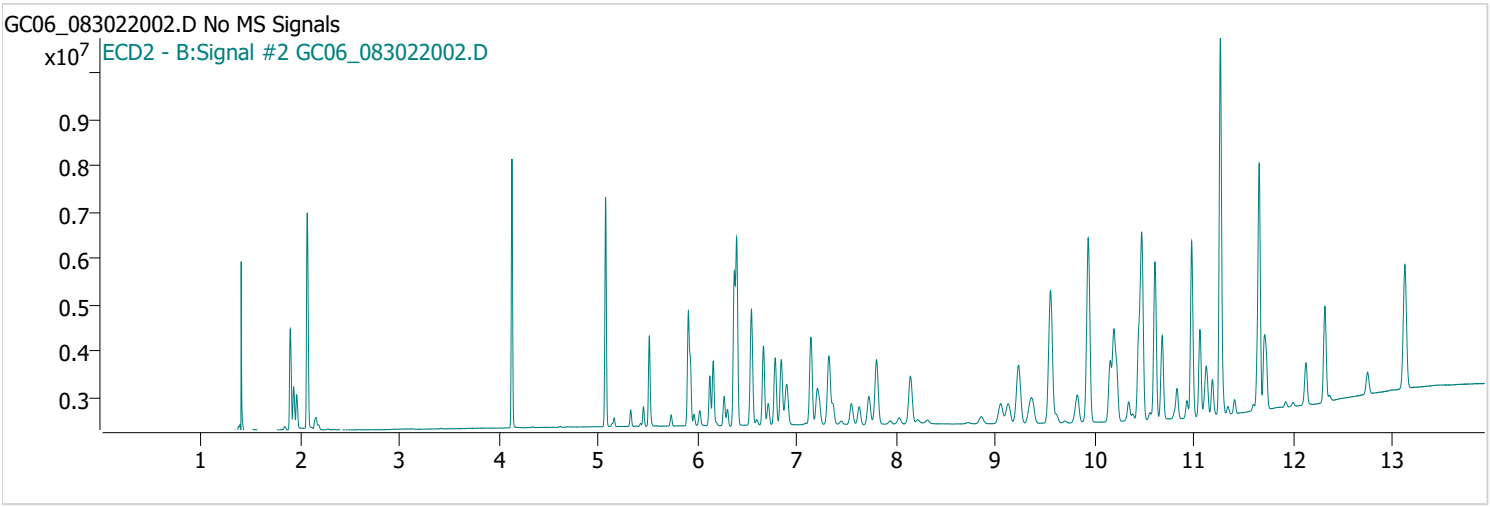
TRN 08/30/22 [Aroclor-1016 A]: Separated from coeluting peak for Ch. A.

Analyst: TRN 08/30/22 **Reviewer:** LW 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_083022002.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/30/2022 2:54:53 PM
Sample Name	CCV, S17055	Instrument	SVOA-GC06
Vial	144	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	083022PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



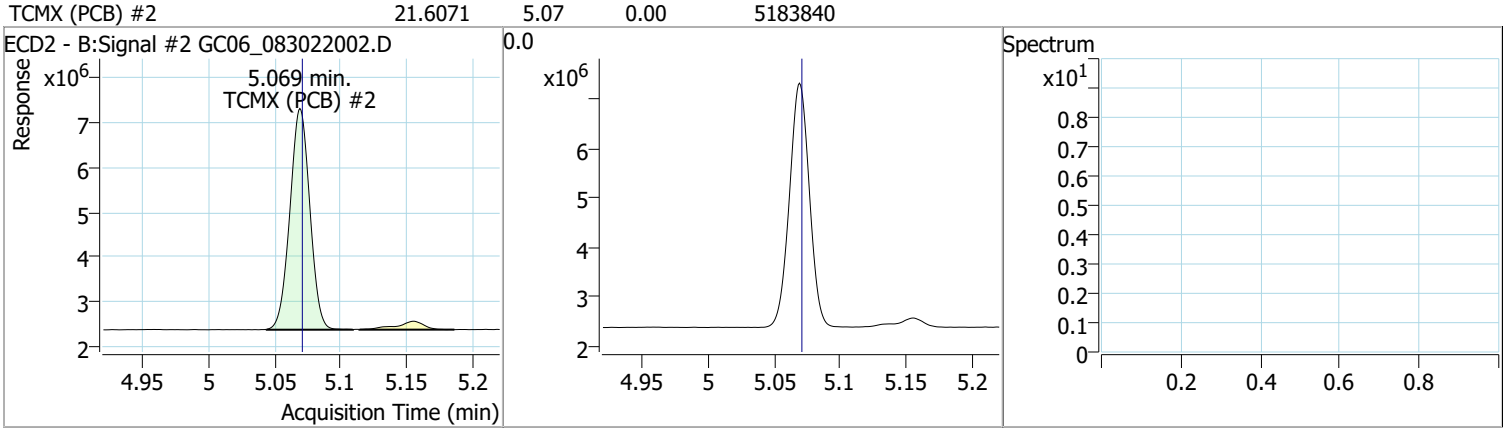


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB) #2	4.125	0.0	5237899.559	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB)	4.356	0.0	1298244.952	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB) #2	5.069	0.0	5183839.898	21.6071	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 108.04%		
S TCMX (PCB)	5.209	0.0	1287312.312	20.6148	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 103.07%		
S Decachlorobiphenyl (PCB)	12.683	0.0	1706426.783	17.2871	ng/ml	-0.023
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 86.44%		
S Decachlorobiphenyl (PCB) #2	13.123	0.0	6156731.969	19.4793	ng/ml	-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 97.40%		
Target Compounds						QValue

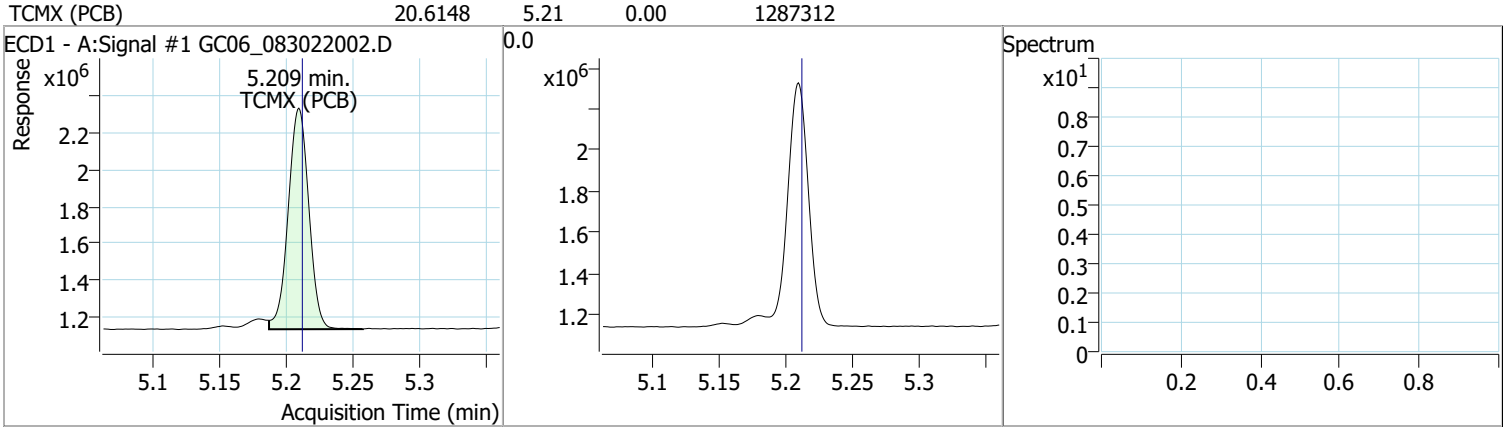
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1 #2	5.509	0.0	2370948.430	483.3607	ng/ml		100
T AR1016 1	5.559	0.0	618691.095	487.1921	ng/ml		100
T AR1016 2 #2	5.903	0.0	4834231.615	474.9047	ng/ml		100
T AR1016 2	5.913	0.0	1213224.226	438.7679	ng/ml		100
T AR1016 3 #2	6.389	0.0	6166818.055	459.3683	ng/ml	m	100
T AR1016 3	6.391	0.0	1486798.900	456.8842	ng/ml		100
T AR1016 4	6.531	0.0	1007992.206	413.9166	ng/ml		100
T AR1016 4 #2	6.538	0.0	4314926.939	473.7679	ng/ml		100
T AR1016 5	7.023	0.0	891188.888	473.0858	ng/ml		100
T AR1016 5 #2	7.319	0.0	4024062.862	565.1289	ng/ml		100
T AR1260 1	9.064	0.0	1910079.220	467.5122	ng/ml		100
T AR1260 1 #2	9.552	0.0	8057484.514	508.2630	ng/ml		100
T AR1260 2	9.606	0.0	2850771.360	453.0200	ng/ml		100
T AR1260 2 #2	9.932	0.0	8956842.626	488.9739	ng/ml		100
T AR1260 3	10.079	0.0	2947704.186	450.5951	ng/ml		100
T AR1260 3 #2	10.471	0.0	11299182.975	454.0263	ng/ml		100
T AR1260 4	10.607	0.0	1703675.593	523.6525	ng/ml		100
T AR1260 4 #2	10.974	0.0	6545289.647	486.0394	ng/ml		100
T AR1260 5	11.337	0.0	1944828.575	451.6515	ng/ml		100
T AR1260 5 #2	11.654	0.0	9664030.403	486.7492	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

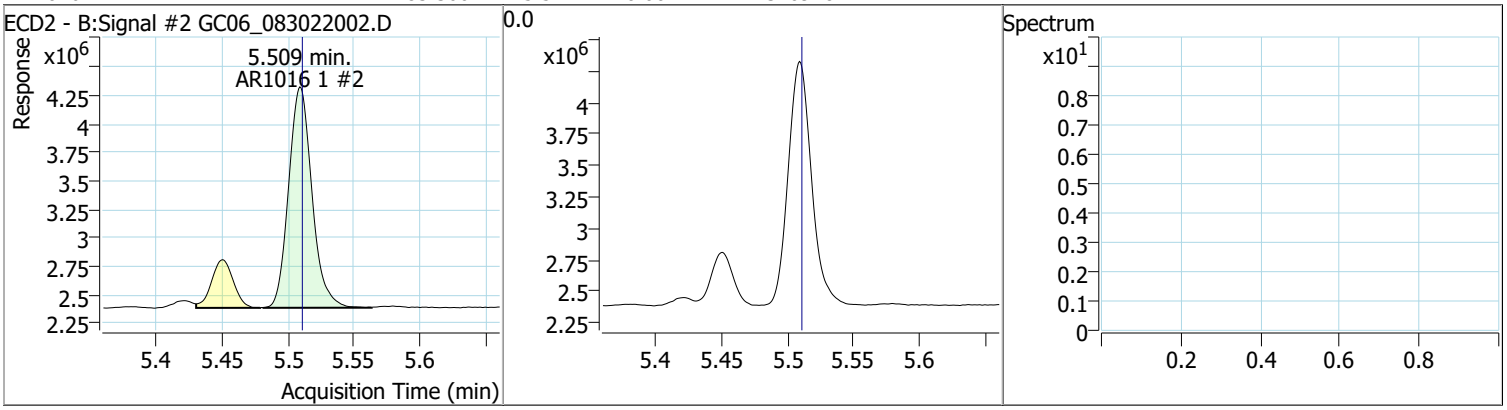
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	21.6071	5.07	0.00	5183840				



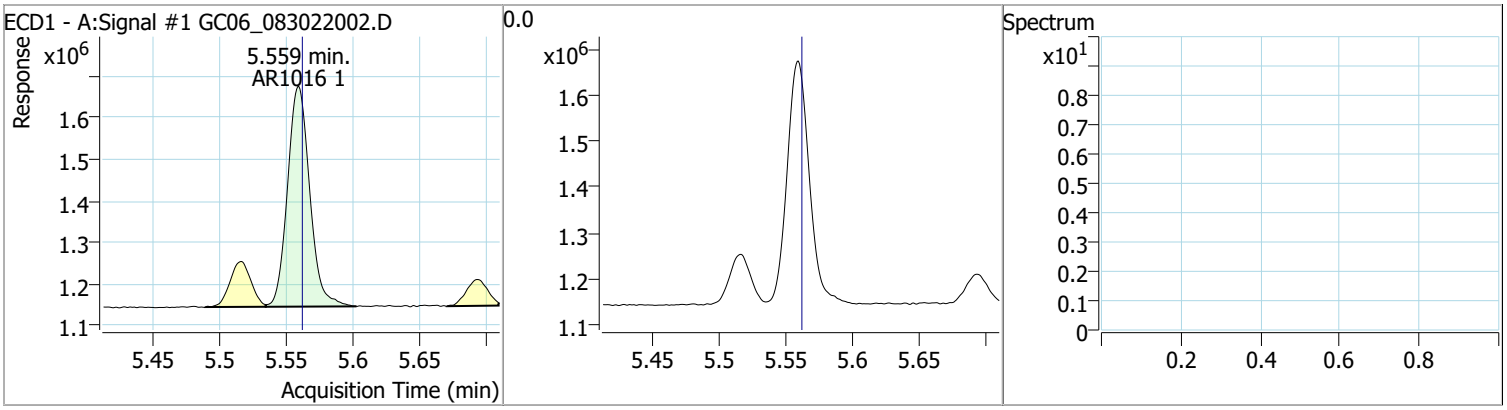
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	20.6148	5.21	0.00	1287312				



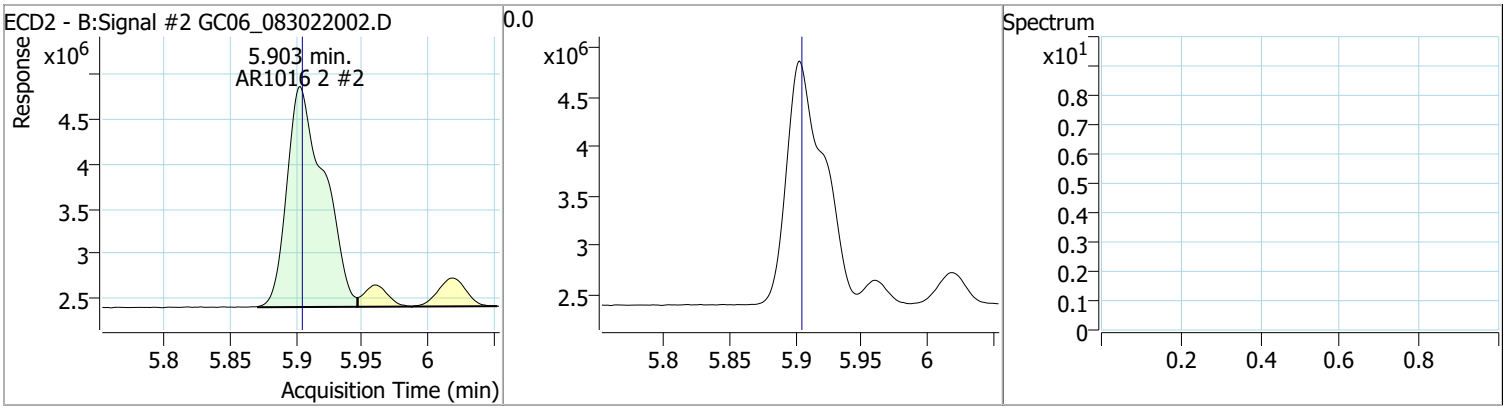
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	483.3607	5.51	0.00	2370948				



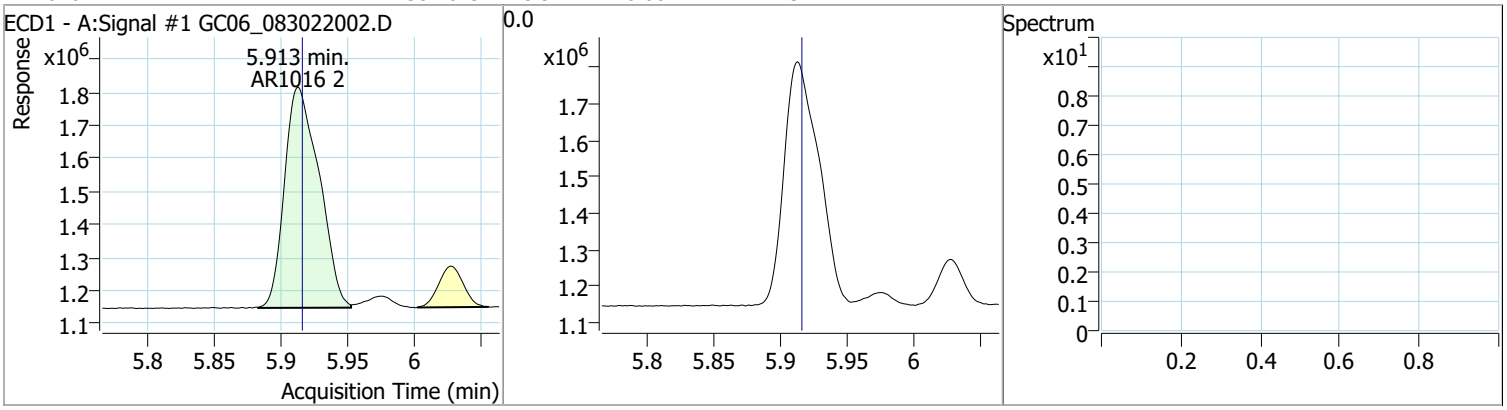
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	487.1921	5.56	0.00	618691				



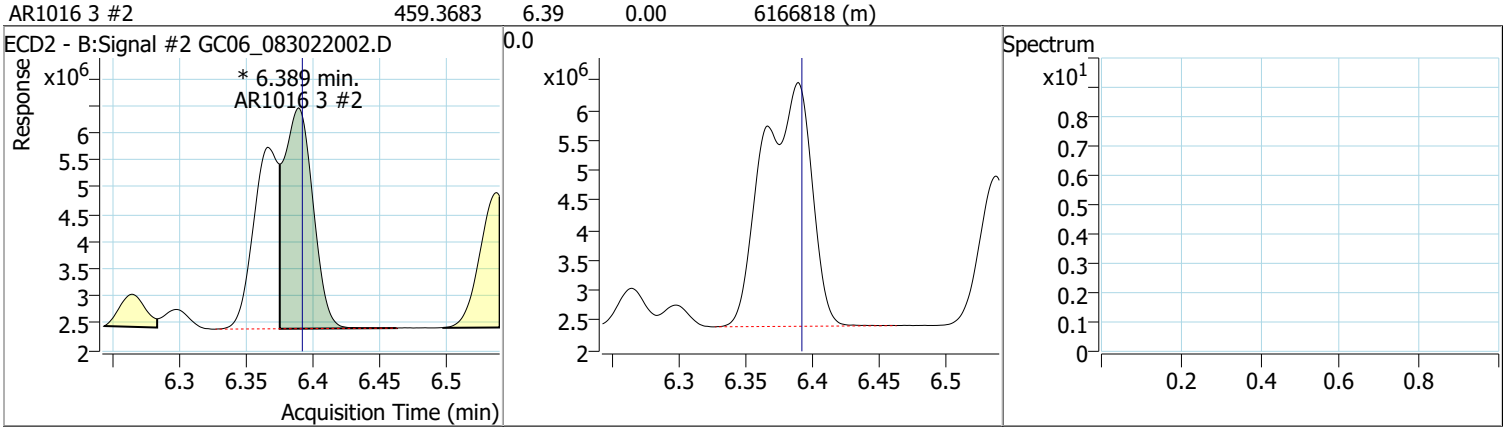
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	474.9047	5.90	0.00	4834232				



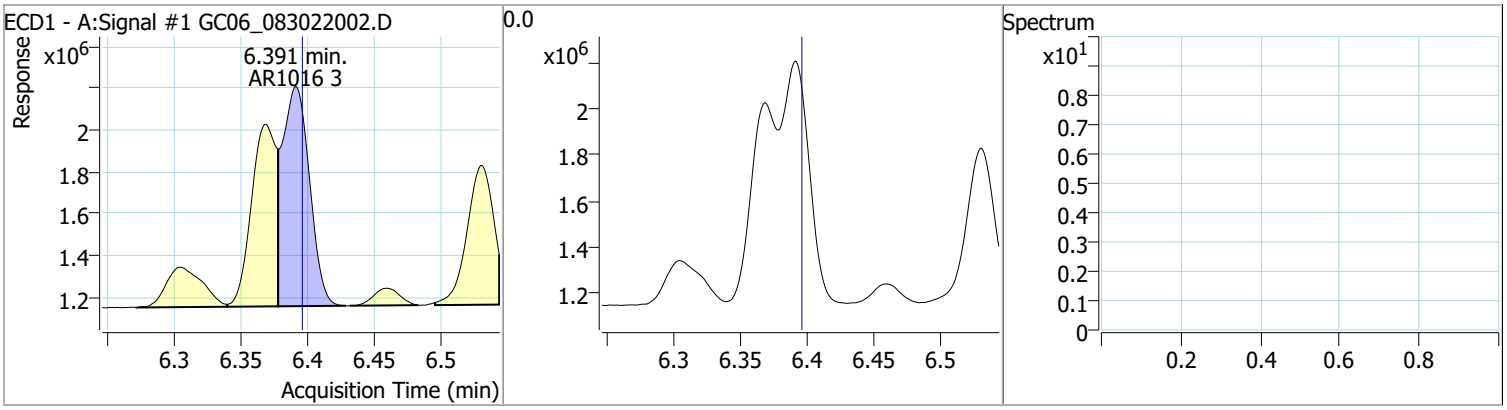
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	438.7679	5.91	0.00	1213224				



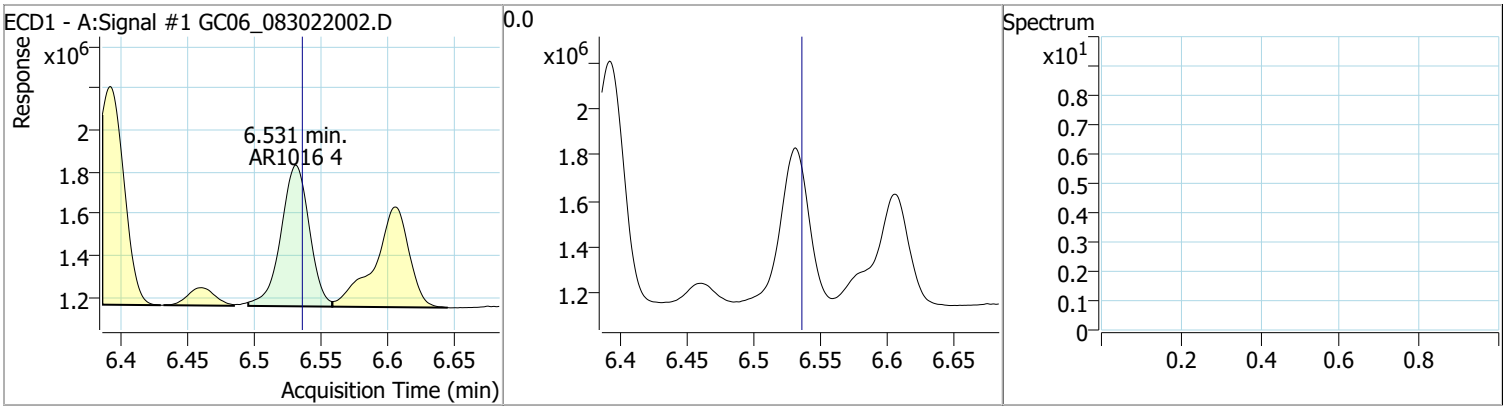
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	459.3683	6.39	0.00	6166818 (m)				



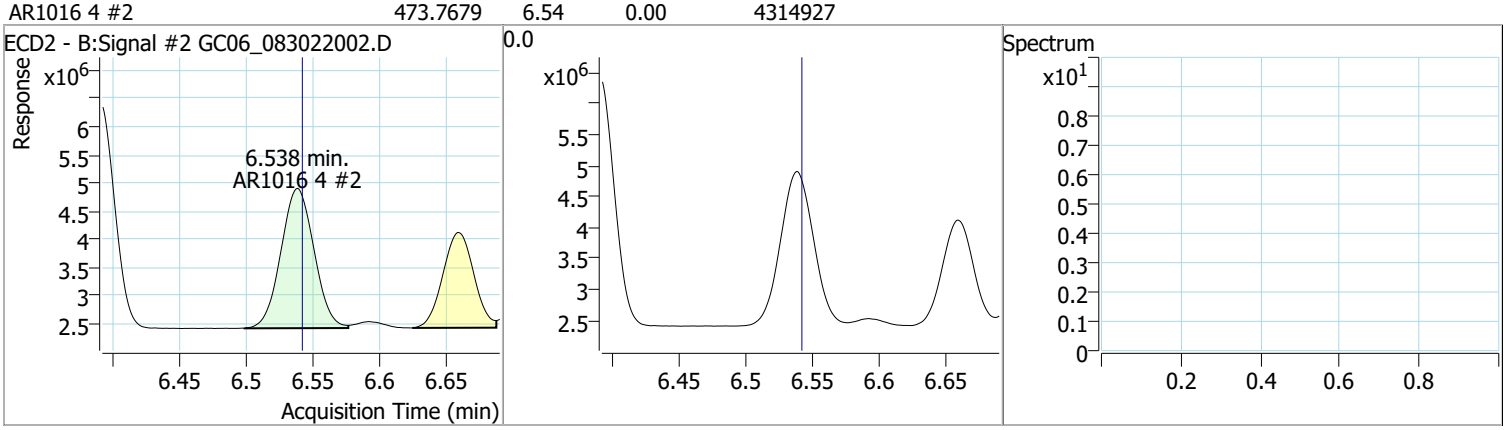
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	456.8842	6.39	0.00	1486799				



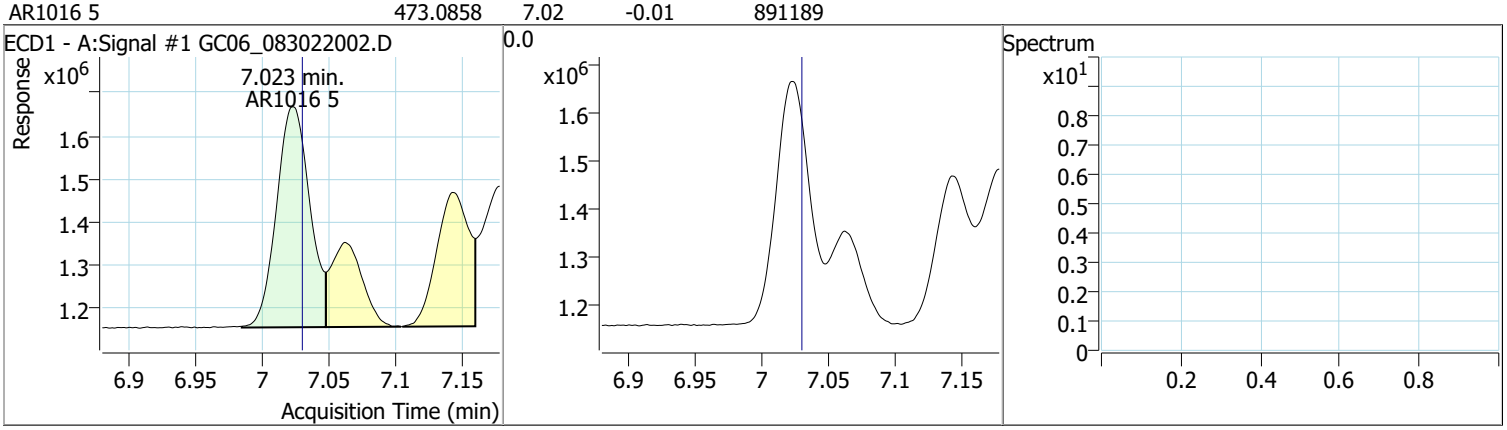
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	413.9166	6.53	0.00	1007992				



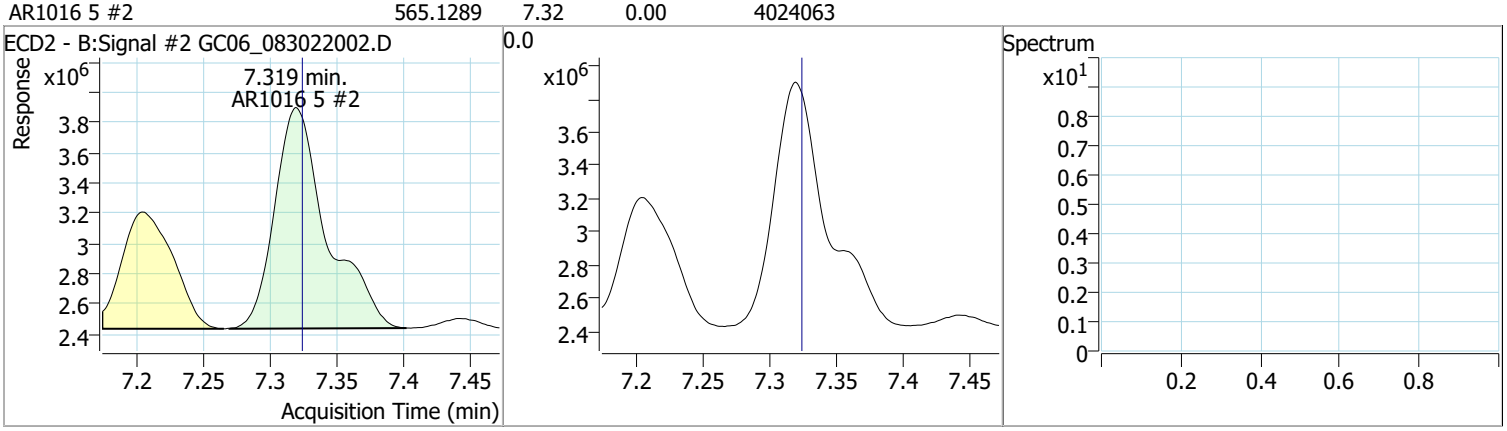
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	473.7679	6.54	0.00	4314927				



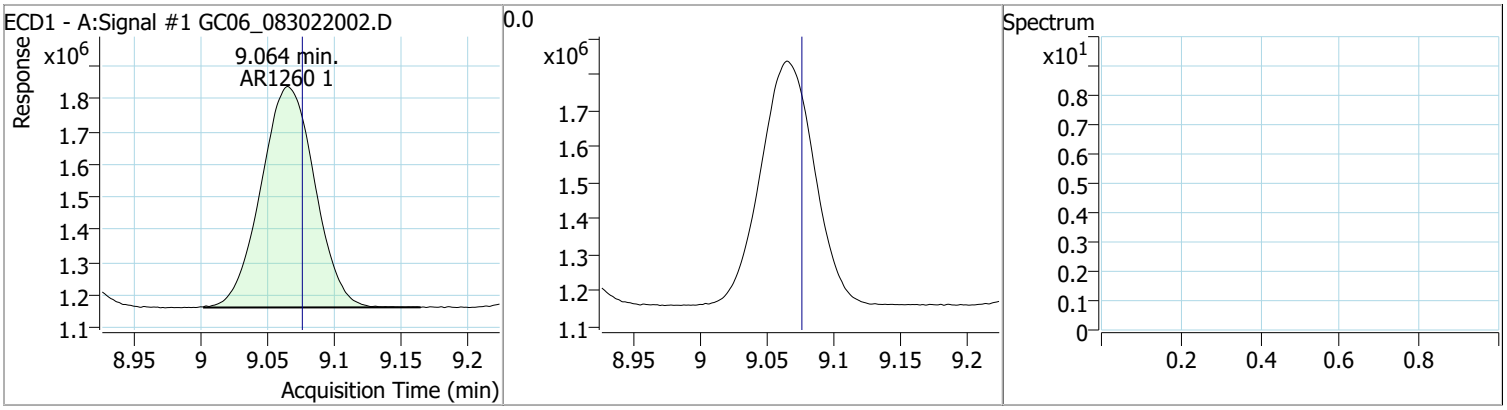
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	473.0858	7.02	-0.01	891189				



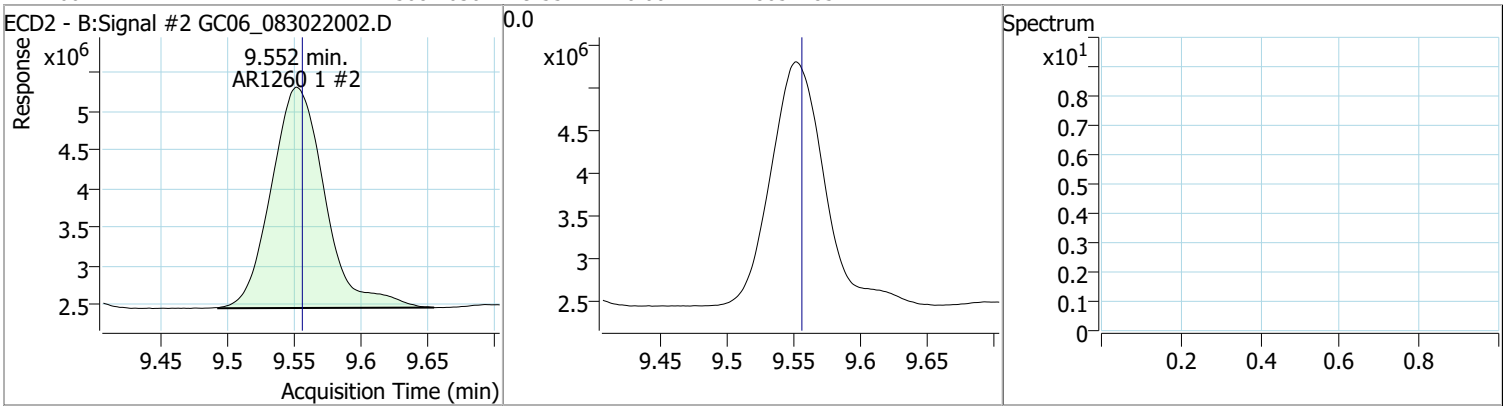
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	565.1289	7.32	0.00	4024063				



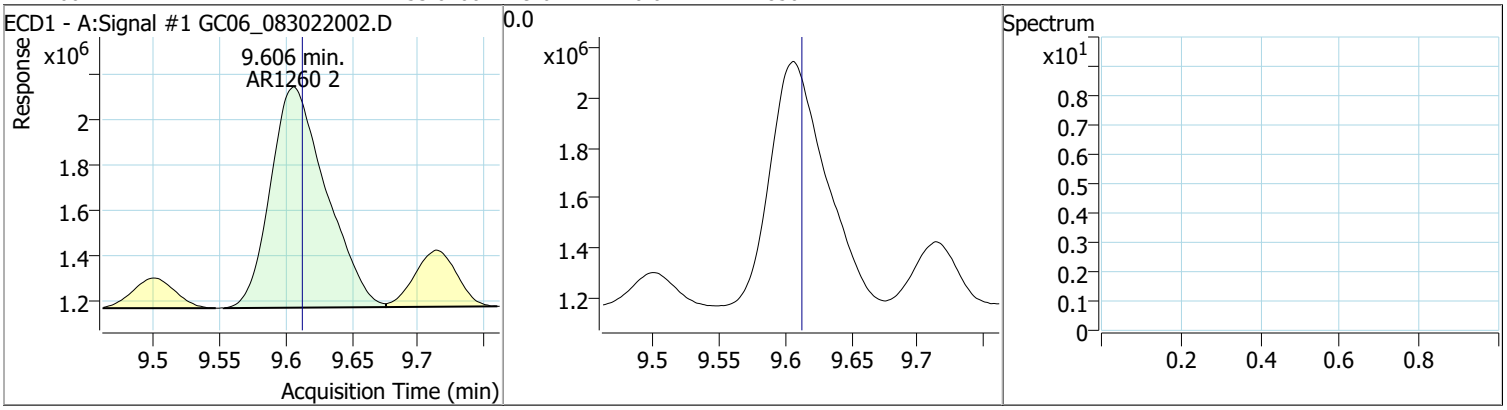
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	467.5122	9.06	-0.01	1910079				



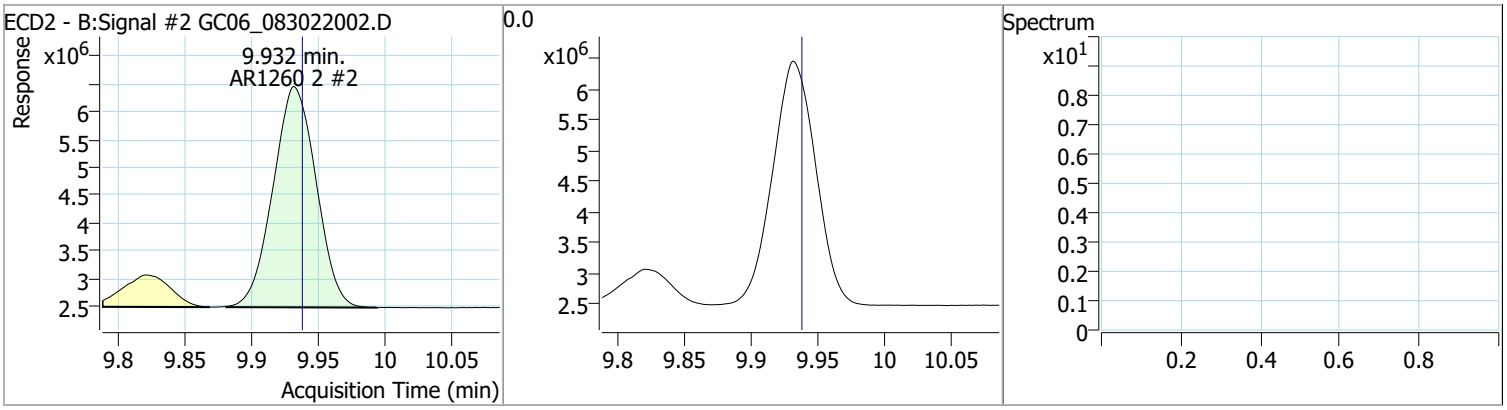
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	508.2630	9.55	0.00	8057485				



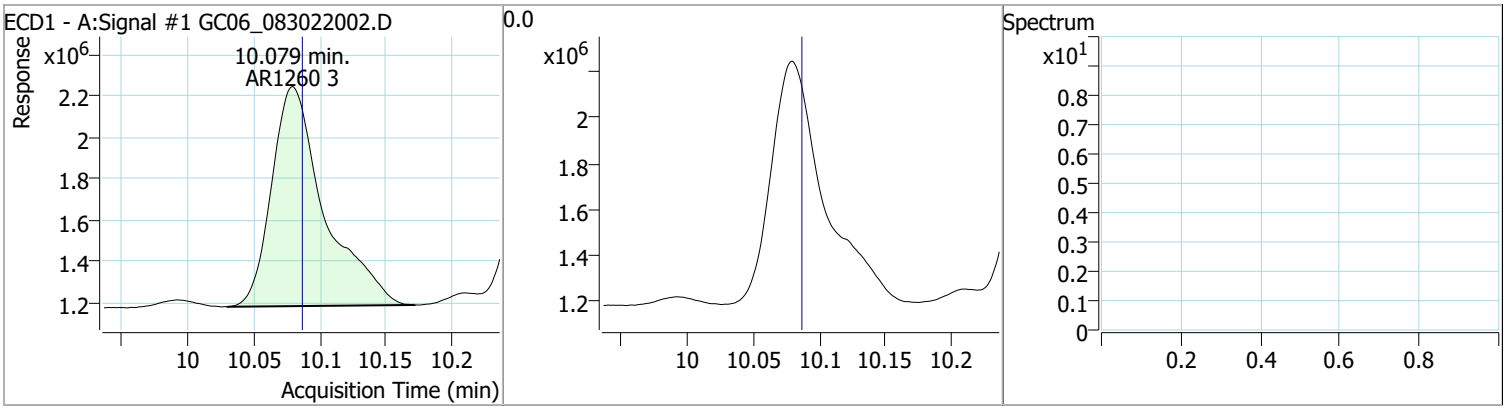
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	453.0200	9.61	-0.01	2850771				



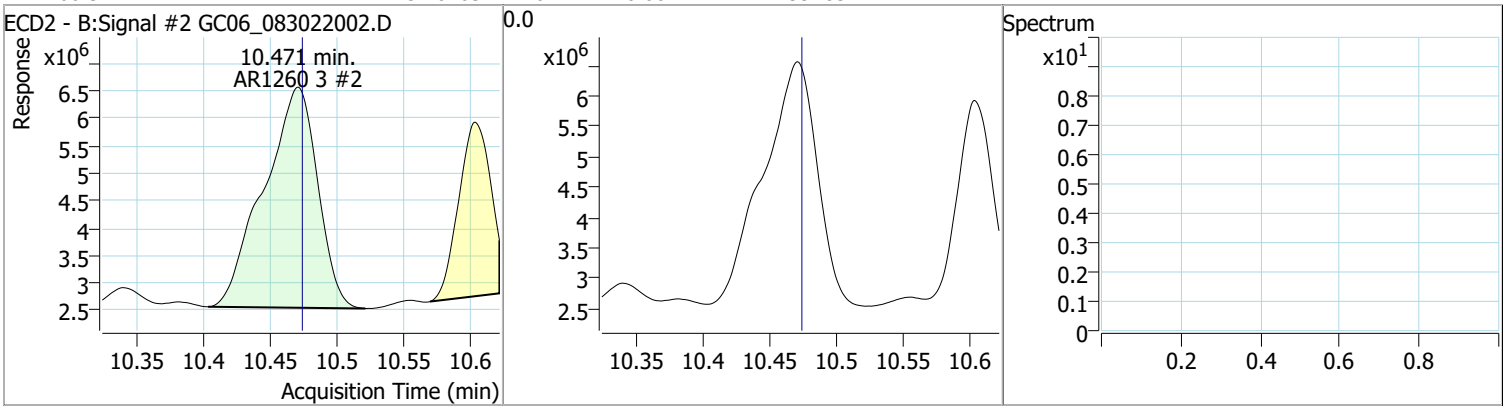
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	488.9739	9.93	-0.01	8956843				



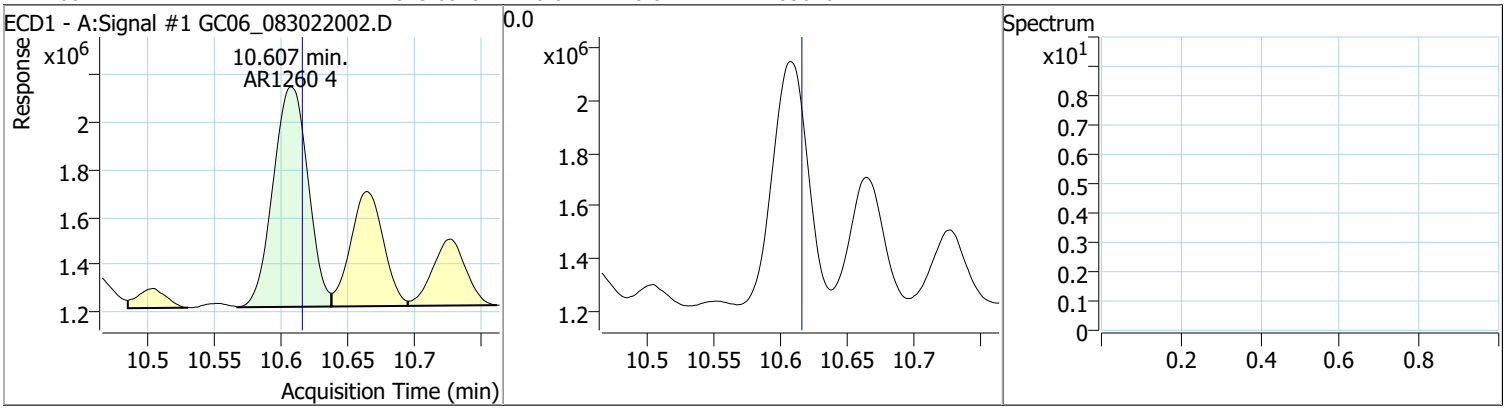
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	450.5951	10.08	-0.01	2947704				



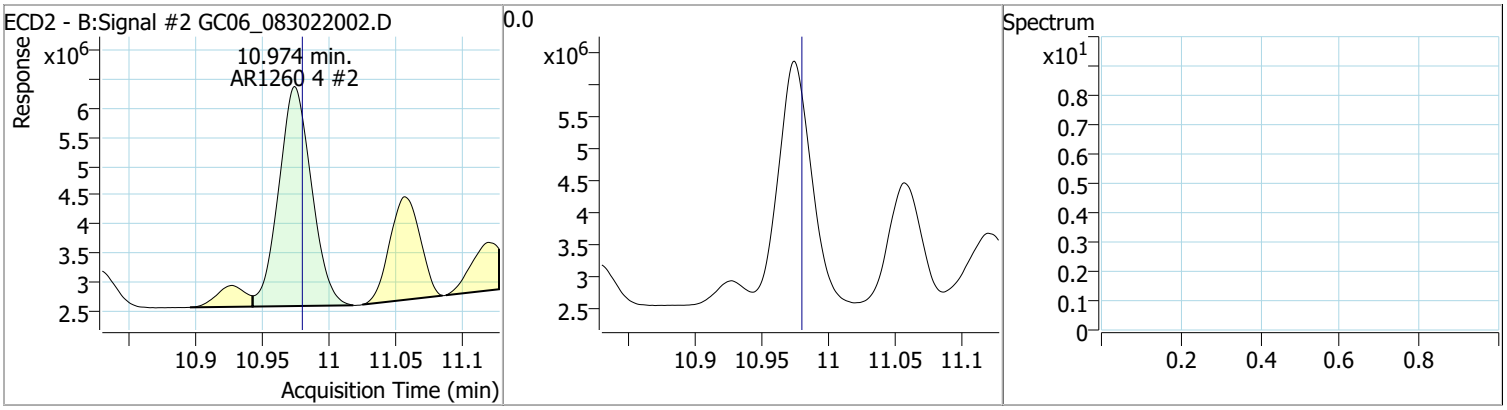
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	454.0263	10.47	0.00	11299183				



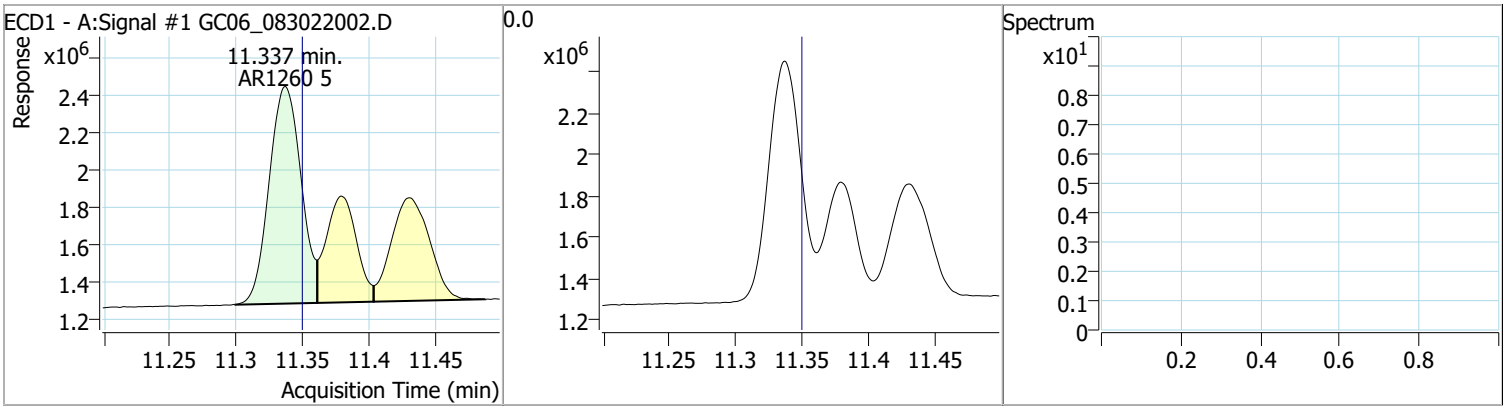
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	523.6525	10.61	-0.01	1703676				



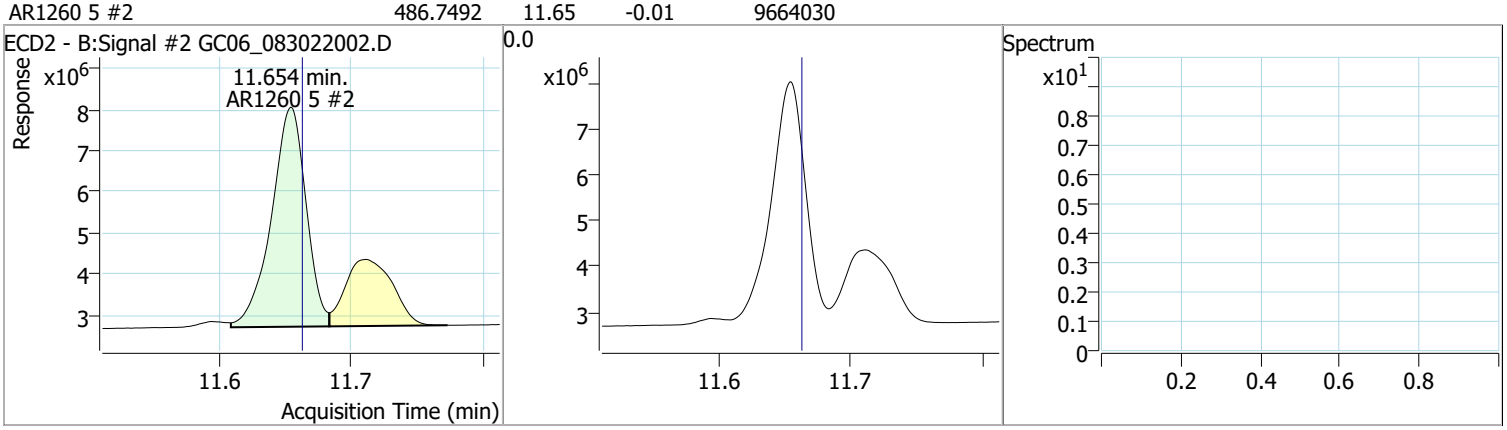
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	486.0394	10.97	0.00	6545290				



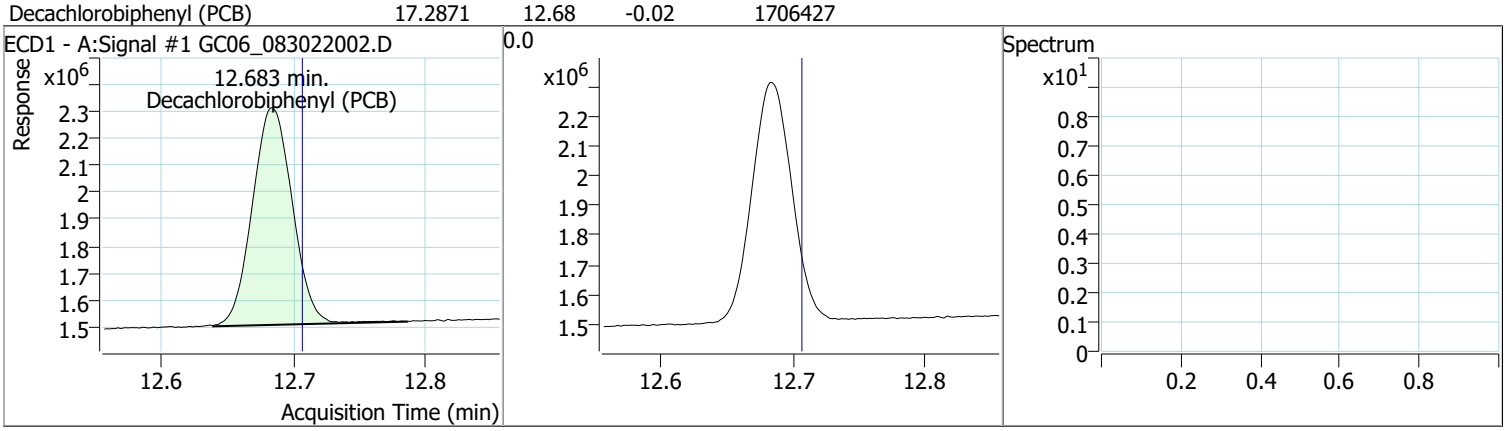
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	451.6515	11.34	-0.01	1944829				



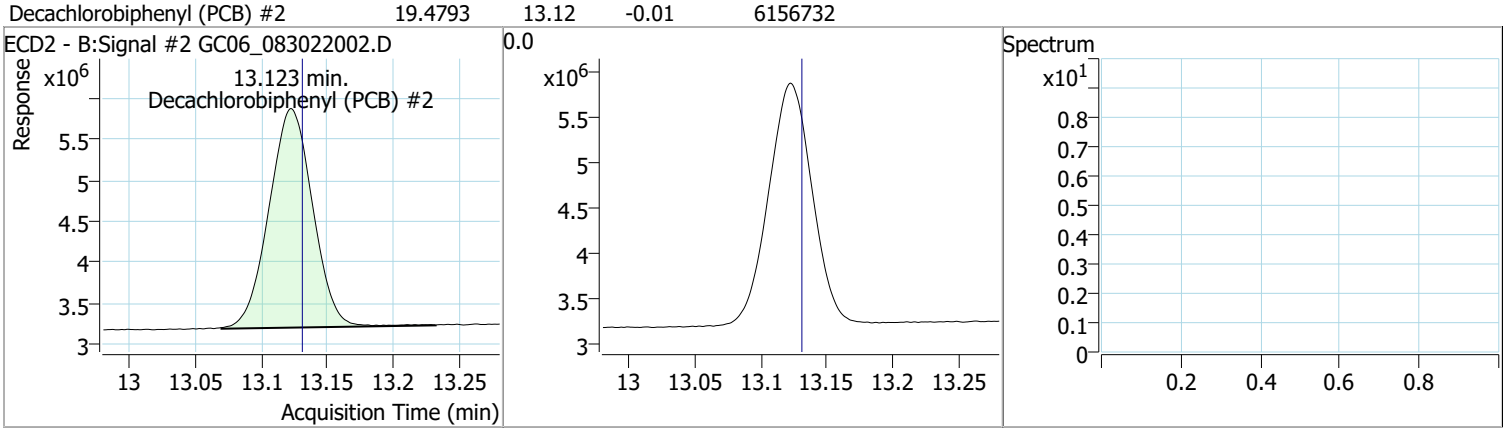
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	486.7492	11.65	-0.01	9664030				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	17.2871	12.68	-0.02	1706427				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	19.4793	13.12	-0.01	6156732				



Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 467769
Report Level: IV
Report Date: 01/05/2023

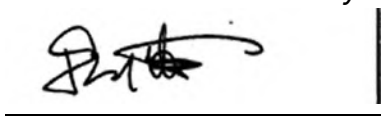
Metals

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	467769
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	08/22/22

Sample ID	Lab ID	Collected	Matrix
AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-L-WF	467769-002	08/22/22 11:45	Wipe
AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-L-DUP-WF	467769-003	08/22/22 11:45	Wipe
DOOR-N-0.1GE-EXT-5 TO 6-220822-L-CB	467769-005	08/22/22 10:41	Wipe
DOOR-N-0.1GE-EXT-5 TO 6-220822-L-DUP-CB	467769-006	08/22/22 10:41	Wipe

Case Narrative

METALS (EPA 6010B)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 467769 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 08/22/22

This data package contains sample and QC results for four wipe samples, requested for the above referenced project on 08/23/22. See attached cooler receipt form for any sample receipt problems or discrepancies.

Metals (EPA 6010B):

No analytical problems were encountered.

Chain of Custody

467769

JG

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	

Analysis Request

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure A

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
1	~~DOOR-N-0.1GE-DG-4 TO 17-2208 -P-~~	8/ /2022		WP	1		X		
2	~~DOOR-N-0.1GE-DG-4 TO 17-2208 -L-~~	8/ /2022		WP	1			X	
3	~~DOOR-N-0.3GE-EXT-3 TO 4-2208 -P-~~	8/ /2022		WP	1		X		
4	~~DOOR-N-0.3GE-EXT-3 TO 4-2208 -L-~~	8/ /2022		WP	1			X	
5	~~DOOR-N-0.4GE-INT-17 TO 18-2208 -P-~~	8/ /2022		WP	1		X		
6	~~DOOR-N-0.4GE-INT-17 TO 18-2208 -L-~~	8/ /2022		WP	1			X	
7	~~DOOR-N-0.5GE-DG-4 TO 17-2208 -P-~~	8/ /2022		WP	1		X		
8	~~DOOR-N-0.5GE-DG-4 TO 17-2208 -P-DUP-~~	8/ /2022		WP	1		X		
9	~~DOOR-N-0.5GE-DG-4 TO 17-2208 -L-~~	8/ /2022		WP	1			X	
10	AFRAME-C1E-LAT-L3-EXT-1 TO 2-2208 22-P-WF	8/22/2022	1145	WP	1		X		
11	AFRAME-C1E-LAT-L3-EXT-1 TO 2-2208 22-L-WF	8/22/2022	1145	WP	1			X	
12	AFRAME-C1E-LAT-L3-EXT-1 TO 2-2208 22-L-DUP-WF	8/22/2022	1145	WP	1			X	
13	DOOR-N-0.1GE-~~INT-19 TO 20-202208~~ EXT-STOC- 22-P-CB	8/22/2022	1041	WP	1		X		
14	DOOR-N-0.1GE-~~INT-19 TO 20-202208~~ EXT-STOC- 22-L-CB	8/22/2022	1041	WP	1			X	
15	DOOR-N-0.1GE-~~INT-19 TO 20-202208~~ EXT-STOC- 22-L-DUP-CB	8/22/2022	1041	WP	1			X	

MK MK MK MK MK MK MK MK MK

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michala Ginn/ENV Scientist	Rincon/ENV Scientist	1350 8/22/22
1 Received By:	Audrey Hudson	ENTHALPY	Audrey Hudson	1:50 8/22/22
2 Relinquished By:	Audrey Hudson	"	"	16:14 8/22/22
2 Received By:		Maddie Hill Yip	EA	8/22/22 16:14
3 Relinquished By:		Lisa Fong Yorita	EA	8/22/22 1742
3 Received By:				8/23/22 08:35

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 467769 Client: Rincon

Date Received: 8.22.22 Project:

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☐ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 8.22 By (print) JH (sign) JH

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☐ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: 1.2, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	–		
Were Method 5035 sampling containers present?		–	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	–		
Are there any missing / extra samples?		–	
Are samples in the appropriate containers for indicated tests?	–		
Are sample labels present, in good condition and complete?	–		
Does the container count match the COC?	–		
Do the sample labels agree with custody papers?	–		
Was sufficient amount of sample sent for tests requested?	–		
Did you change the hold time in LIMS for unpreserved VOAs?			–
Did you change the hold time in LIMS for preserved terracores?			–
Are bubbles > 6mm present in VOA samples?			–
Was the client contacted concerning this sample delivery?		–	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged In 8-22 **By (print)** MAY **(sign)** _____

Date Labeled 8-22 **By (print)** JH **(sign)** JH

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultant, Inc. Project: Hangar 1 - NCTRA WP / 158 Coody Road. Mountain View, CA

Date Received: 8/23/2022 Sampler's Name Present: ☐ Yes ☑ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.8 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: Greyhound

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☑ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.9 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Received 6 Jars of samples (-001A → -006A)

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Yamira Date: 8/23/2022

9/5.8

c/ 0.9

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 4

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure A

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	
1	~~DOOR-N-0.1GE-DG-4 TO 17-2208 -P-~~	8/ /2022		WP	1		X			MK
2	~~DOOR-N-0.1GE-DG-4 TO 17-2208 -L-~~	8/ /2022		WP	1			X		MK
3	~~DOOR-N-0.3GE-EXT-3 TO 4-2208 -P-~~	8/ /2022		WP	1		X			MK
4	~~DOOR-N-0.3GE-EXT-3 TO 4-2208 -L-~~	8/ /2022		WP	1			X		MK
5	~~DOOR-N-0.4GE-INT-17 TO 18-2208 -P-~~	8/ /2022		WP	1		X			MK
6	~~DOOR-N-0.4GE-INT-17 TO 18-2208 -L-~~	8/ /2022		WP	1			X		MK
7	~~DOOR-N-0.5GE-DG-4 TO 17-2208 -P-~~	8/ /2022		WP	1		X			MK
8	~~DOOR-N-0.5GE-DG-4 TO 17-2208 -P-DUP-~~	8/ /2022		WP	1		X			MK
9	~~DOOR-N-0.5GE-DG-4 TO 17-2208 -L-~~	8/ /2022		WP	1			X		MK
10	AFRAME-C1E-LAT-L3-EXT-1 TO 2-2208 22-P-WF	8/22/2022	1145	WP	1		X			
11	AFRAME-C1E-LAT-L3-EXT-1 TO 2-2208 22-L-WF	8/22/2022	1145	WP	1			X		
12	AFRAME-C1E-LAT-L3-EXT-1 TO 2-2208 22-L-DUP-WF	8/22/2022	1145	WP	1			X		
13	EXT-5TO6- DOOR-N-0.1GE-EXT-10 TO 20-202208 22-P-CB	8/22/2022	1041	WP	1		X			
14	EXT-6TO6- DOOR-N-0.1GE-EXT-10 TO 20-202208 22-L-CB	8/22/2022	1041	WP	1			X		
15	EXT-5TO6- DOOR-N-0.1GE-EXT-10 TO 20-202208 22-L-DUP-CB	8/22/2022	1041	WP	1			X		

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michala Wynn/ERM Scientist	Rincon/ERM Scientist	1350 8/22/22
1 Received By:	Audrey Hudson	ENTHALPY	AUDREY HUDSON	1:50 8/22/22
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

CamScanner

Results & QC Summary

ENTHALPY ANALYTICAL

Lead

Lab #: 467769 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-L-WF **Batch#:** 295524 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/22/22 **Analysis:** EPA 6010B
Lab ID: 467769-002 **Received:** 08/22/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/23/22
Diln Fac: 1.000 **Analyzed:** 08/23/22

467769-002 Analyte	Result	RL	Units
Lead	**46**	0.50	ug/ft2

Field ID: AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-L-DUP-WF **Batch#:** 295524 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/22/22 **Analysis:** EPA 6010B
Lab ID: 467769-003 **Received:** 08/22/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/23/22
Diln Fac: 1.000 **Analyzed:** 08/23/22

467769-003 Analyte	Result	RL	Units
Lead	**58**	0.50	ug/ft2

Field ID: DOOR-N-0.1GE-EXT-5 TO 6-220822-L-CB **Batch#:** 295524 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/22/22 **Analysis:** EPA 6010B
Lab ID: 467769-005 **Received:** 08/22/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/23/22
Diln Fac: 1.000 **Analyzed:** 08/23/22

467769-005 Analyte	Result	RL	Units
Lead	**66**	0.50	ug/ft2

Field ID: DOOR-N-0.1GE-EXT-5 TO 6-220822-L-DUP-CB **Batch#:** 295524 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/22/22 **Analysis:** EPA 6010B
Lab ID: 467769-006 **Received:** 08/22/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/23/22
Diln Fac: 1.000 **Analyzed:** 08/23/22

467769-006 Analyte	Result	RL	Units
Lead	**130**	0.50	ug/ft2

Type: BLANK **Batch#:** 295524 **Analysis:** EPA 6010B
Lab ID: QC1008205 **Prepared:** 08/23/22 **Analyst:** KLN
Matrix: Wipe **Analyzed:** 08/23/22
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1008205 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 467769 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 295524 **Analysis:** EPA 6010B

Lab ID: QC1008206 **Prepared:** 08/23/22 **Analyst:** KLN

Matrix: Wipe **Analyzed:** 08/23/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1008206 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	104.6	105	80-120	ug/ft2

Type: BSD **Batch#:** 295524 **Analysis:** EPA 6010B

Lab ID: QC1008207 **Prepared:** 08/23/22 **Analyst:** KLN

Matrix: Wipe **Analyzed:** 08/23/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1008207 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	102.6	103	80-120	ug/ft2	2	20

Legend

RPD: Relative Percent Difference

REPORTING SUMMARY FOR 467769 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	PB	
467769-002	MET06	08/23/22 13:19	1.0	+	
467769-003	MET06	08/23/22 13:22	1.0	+	
467769-005	MET06	08/23/22 13:25	1.0	+	
467769-006	MET06	08/23/22 13:28	1.0	+	
QC1008205	MET06	08/23/22 13:09	1.0	+	
QC1008206	MET06	08/23/22 13:12	1.0	+	
QC1008207	MET06	08/23/22 13:15	1.0	+	

Enthalpy Sequence Summary for Sequence 482338973

Instrument : MET06 Begun : 08/23/22 09:33
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master	ICALBLK	CALBLANK			08/23/22 09:33	1.0	1	
002	met06_master	ICAL	L1			08/23/22 09:37	1.0	2 1	
003	met06_master	ICAL	L2			08/23/22 09:40	1.0	3 1	
004	met06_master	ICAL	L3			08/23/22 09:43	1.0	4 1	
005	met06_master	ICAL	L4			08/23/22 09:46	1.0	5 1	
006	met06_master	ICAL	L5			08/23/22 09:50	1.0	6 1	
007	met06_master	ICAL	L6			08/23/22 09:53	1.0	7 1	
008	met06_master	ICAL	L7			08/23/22 09:56	1.0	8 1	
009	met06_master	ICAL	L8			08/23/22 10:00	1.0	9 1	
010	met06_master	ICV				08/23/22 10:03	1.0	10 1	
011	met06_master	CRI				08/23/22 10:06	1.0	11 1	
012	met06_master	ICB				08/23/22 10:10	1.0	1	
013	met06_master	ICSA				08/23/22 10:13	1.0	12 1	4:MGASMGCO3=1400
014	met06_master	ICSAB				08/23/22 10:16	1.0	13 1	4:MGASMGCO3=1400
015	met06_master	BS	QC1007818	Soil	295419	08/23/22 10:19	1.0	1	
016	met06_master	BSD	QC1007819	Soil	295419	08/23/22 10:23	1.0	1	
017	met06_master	SAMPLE	467401-001	Water	295313	08/23/22 10:26	1.0	1	2:K=4800
018	met06_master	LCS	QC1007951	TCLP Leachate	295454	08/23/22 10:31	1.0	1	
019	met06_master	SAMPLE	467595-001	Miscell.	295415	08/23/22 10:34	1.0	1	1:AL=2900
020	met06_master	LCS	QC1007812	Soil	295416	08/23/22 10:37	1.0	1	
021	met06_master	SAMPLE	467519-022	Soil	295416	08/23/22 10:41	1.0	1	
022	met06_master	SAMPLE	467519-024	Soil	295416	08/23/22 10:44	1.0	1	1:FE=160
023	met06_master	CCV				08/23/22 10:48	1.0	10 1	
024	met06_master	CCB				08/23/22 10:52	1.0	1	
025	met06_master	SAMPLE	467519-027	Soil	295416	08/23/22 10:55	1.0	1	
026	met06_master	SAMPLE	467519-039	Soil	295416	08/23/22 10:58	1.0	1	
027	met06_master	SAMPLE	467519-043	Soil	295416	08/23/22 11:01	1.0	1	
028	met06_master	CCV				08/23/22 11:05	1.0	10 1	
029	met06_master	CCB				08/23/22 11:08	1.0	1	
030	met06_master	BLANK	QC1008177	Water	295517	08/23/22 11:29	1.0	1	
031	met06_master	LCS	QC1008178	Water	295517	08/23/22 11:33	1.0	1	
032	met06_master	SAMPLE	467758-002	Sea Water	295517	08/23/22 11:36	1.0	1	4:NA=3500
033	met06_master	MSS	467782-001	Water	295517	08/23/22 11:39	1.0	1	2:NA=1100
034	met06_master	MS	QC1008179	Water	295517	08/23/22 11:42	1.0	1	2:NA=1000
035	met06_master	MSD	QC1008180	Water	295517	08/23/22 11:46	1.0	1	2:NA=1000
036	met06_master	BLANK	QC1008181	Wipe	295518	08/23/22 11:49	1.0	1	
037	met06_master	CCV				08/23/22 11:54	1.0	10 1	
038	met06_master	CCB				08/23/22 11:57	1.0	1	
039	met06_master	SAMPLE	467519-027	Soil	295416	08/23/22 12:00	1.0	1	
040	met06_master	SAMPLE	467519-039	Soil	295416	08/23/22 12:03	1.0	1	
041	met06_master	SAMPLE	467519-043	Soil	295416	08/23/22 12:07	1.0	1	
042	met06_master	BLANK	QC1008177	Water	295517	08/23/22 12:10	1.0	1	
043	met06_master	LCS	QC1008178	Water	295517	08/23/22 12:13	1.0	1	
044	met06_master	SAMPLE	467758-002	Sea Water	295517	08/23/22 12:16	1.0	1	4:NA=3300
045	met06_master	MSS	467782-001	Water	295517	08/23/22 12:20	1.0	1	2:NA=1100
046	met06_master	MS	QC1008179	Water	295517	08/23/22 12:23	1.0	1	2:NA=1000
047	met06_master	MSD	QC1008180	Water	295517	08/23/22 12:26	1.0	1	2:NA=1000
048	met06_master	BLANK	QC1008181	Wipe	295518	08/23/22 12:29	1.0	1	
049	met06_master	CCV				08/23/22 12:33	1.0	10 1	
050	met06_master	CCB				08/23/22 12:36	1.0	1	
051	met06_master	BS	QC1008182	Wipe	295518	08/23/22 12:39	1.0	1	
052	met06_master	BSD	QC1008183	Wipe	295518	08/23/22 12:42	1.0	1	

Enthalpy Sequence Summary for Sequence 482338973

Instrument : MET06 Begun : 08/23/22 09:33
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met06_master	SAMPLE	467767-002	Wipe	295518	08/23/22 12:46	1.0	1	
054	met06_master	CCV				08/23/22 12:49	1.0	10 1	
055	met06_master	CCB				08/23/22 12:52	1.0	1	
056	met06_master	BLANK	QC1008205	Wipe	295524	08/23/22 13:09	1.0	1	
057	met06_master	BS	QC1008206	Wipe	295524	08/23/22 13:12	1.0	1	
058	met06_master	BSD	QC1008207	Wipe	295524	08/23/22 13:15	1.0	1	
059	met06_master	SAMPLE	467769-002	Wipe	295524	08/23/22 13:19	1.0	1	
060	met06_master	SAMPLE	467769-003	Wipe	295524	08/23/22 13:22	1.0	1	
061	met06_master	SAMPLE	467769-005	Wipe	295524	08/23/22 13:25	1.0	1	
062	met06_master	SAMPLE	467769-006	Wipe	295524	08/23/22 13:28	1.0	1	
063	met06_master	SAMPLE	467771-002	Wipe	295524	08/23/22 13:32	1.0	1	
064	met06_master	SAMPLE	467771-004	Wipe	295524	08/23/22 13:35	1.0	1	
065	met06_master	SAMPLE	467771-006	Wipe	295524	08/23/22 13:38	1.0	1	
066	met06_master	CCV				08/23/22 13:41	1.0	10 1	
067	met06_master	CCB				08/23/22 13:45	1.0	1	
068	met06_master	SAMPLE	467771-008	Wipe	295524	08/23/22 13:48	1.0	1	
069	met06_master	SAMPLE	467774-002	Wipe	295524	08/23/22 13:51	1.0	1	
070	met06_master	SAMPLE	467774-004	Wipe	295524	08/23/22 13:54	1.0	1	
071	met06_master	SAMPLE	467774-006	Wipe	295524	08/23/22 13:58	1.0	1	
072	met06_master	SAMPLE	467774-008	Wipe	295524	08/23/22 14:01	1.0	1	
073	met06_master	BLANK	QC1008173	Soil	295516	08/23/22 14:04	1.0	1	
074	met06_master	LCS	QC1008227	Soil	295516	08/23/22 14:07	1.0	1	
075	met06_master	SAMPLE	467649-005	Soil	295516	08/23/22 14:11	1.0	1	2:FE=350
076	met06_master	SAMPLE	467682-001	Soil	295516	08/23/22 14:14	1.0	1	
077	met06_master	SAMPLE	467682-002	Soil	295516	08/23/22 14:17	1.0	1	
078	met06_master	CCV				08/23/22 14:20	1.0	10 1	
079	met06_master	CCB				08/23/22 14:24	1.0	1	
080	met06_master	SAMPLE	467682-003	Soil	295516	08/23/22 14:27	1.0	1	1:FE=180
081	met06_master	SAMPLE	467682-004	Soil	295516	08/23/22 14:30	1.0	1	1:FE=170
082	met06_master	SAMPLE	467682-005	Soil	295516	08/23/22 14:34	1.0	1	1:FE=190
083	met06_master	SAMPLE	467682-006	Soil	295516	08/23/22 14:37	1.0	1	
084	met06_master	SAMPLE	467682-007	Soil	295516	08/23/22 14:40	1.0	1	3:FE=220
085	met06_master	SAMPLE	467682-008	Soil	295516	08/23/22 14:43	1.0	1	1:FE=200
086	met06_master	SAMPLE	467682-009	Soil	295516	08/23/22 14:47	1.0	1	1:FE=180
087	met06_master	SAMPLE	467682-010	Soil	295516	08/23/22 14:50	1.0	1	1:FE=200
088	met06_master	SAMPLE	467682-011	Soil	295516	08/23/22 14:53	1.0	1	1:FE=210
089	met06_master	SAMPLE	467690-001	Miscell.	295516	08/23/22 14:56	1.0	1	3:FE=400
090	met06_master	CCV				08/23/22 15:00	1.0	10 1	
091	met06_master	CCB				08/23/22 15:03	1.0	1	
092	met06_master	SAMPLE	467690-002	Miscell.	295516	08/23/22 15:06	1.0	1	3:FE=430
093	met06_master	SAMPLE	467690-003	Miscell.	295516	08/23/22 15:09	1.0	1	3:FE=440
094	met06_master	MSS	467694-001	Soil	295516	08/23/22 15:13	1.0	1	3:FEASFE2O3=250
095	met06_master	MS	QC1008174	Soil	295516	08/23/22 15:16	1.0	1	3:ALASAL2O3=280
096	met06_master	MSD	QC1008175	Soil	295516	08/23/22 15:19	1.0	1	3:ALASAL2O3=290
097	met06_master	PDS	QC1008176	Soil	295516	08/23/22 15:22	1.0	1	1:FE=170
098	met06_master	SAMPLE	467694-002	Soil	295516	08/23/22 15:26	1.0	1	2:FE=240
099	met06_master	SAMPLE	467694-003	Soil	295516	08/23/22 15:29	1.0	1	2:SULFUR=250
100	met06_master	SAMPLE	467746-001	Miscell.	295516	08/23/22 15:32	1.0	1	1:V=12
101	met06_master	CCV				08/23/22 15:35	1.0	10 1	
102	met06_master	CCB				08/23/22 15:39	1.0	1	

Enthalpy Sequence Summary for Sequence 482338973

Instrument : MET06 Begun : 08/23/22 09:33
Method : EPA 6010B

Standards used: 1=S13369 2=S17110 3=S17109 4=S17108 5=S17107 6=S16645 7=S17115 8=S17113 9=S17048 10=S17024 11=S16646 12=S16979 13=S17065

Enthalpy Internal Standard Summary for Sequence 482338973

Date : 08/23/22 Reference : met06_master
Sequence : MET06 08/23/22 Analyzed : 08/23/22 09:33

#	Type	Sample ID	Y H		Y A		Y R
		ICALBLK STD	17553115		970979		370837
		LOWER LIMIT	5265935		291294		111251
		UPPER LIMIT	35106230		1941958		741674
012	ICB		18422473		1053037		372579
013	ICSA		16549392		914571		335426
014	ICSAB		16574588		917293		334966
015	BS	QC1007818	17467397		988845		362301
016	BSD	QC1007819	17576484		983238		358667
017	SAMPLE	467401-001	16099358		917999		325921
018	LCS	QC1007951	17540225		982420		356276
019	SAMPLE	467595-001	16357972		959768		355186
020	LCS	QC1007812	17508821		983206		363435
021	SAMPLE	467519-022	17652958		980216		362929
022	SAMPLE	467519-024	17612433		975312		369014
023	CCV		17257296		953026		348751
024	CCB		18778050		1042058		422394
025	SAMPLE	467519-027	17636264		977988		370418
026	SAMPLE	467519-039	17883059		990743		378881
027	SAMPLE	467519-043	17681482		976871		369610
028	CCV		17520873		969141		355166
029	CCB		38474113	*	2077885	*	636679
030	BLANK	QC1008177	18649821		1059002		383131
031	LCS	QC1008178	18516927		1046660		376972
032	SAMPLE	467758-002	14763986		820558		305158
033	MSS	467782-001	18091952		1035887		364396
034	MS	QC1008179	18104117		1031977		364846
035	MSD	QC1008180	18198460		1040818		364902
036	BLANK	QC1008181	17939163		1033197		376777
037	CCV		18025237		1029511		364589
038	CCB		18876763		1103800		387282
039	SAMPLE	467519-027	18446911		1248976		600563
040	SAMPLE	467519-039	18741770		1083715		512987
041	SAMPLE	467519-043	18260870		1277181		631885
042	BLANK	QC1008177	19031874		1097442		385310
043	LCS	QC1008178	18640065		1081514		379918
044	SAMPLE	467758-002	14941903		842801		308493
045	MSS	467782-001	18200123		1054303		366052
046	MS	QC1008179	18172665		1054624		363859
047	MSD	QC1008180	18424277		1065024		367896
048	BLANK	QC1008181	17880783		1039832		378391
049	CCV		18145562		1051773		362084
050	CCB		18998581		1122614		388787
051	BS	QC1008182	17834831		1046629		377414
052	BSD	QC1008183	17992691		1053391		374558
053	SAMPLE	467767-002	18384569		1043839		385140
054	CCV		18253856		1053095		365141
055	CCB		18954175		1114347		379515
056	BLANK	QC1008205	18150078		1067561		385193
057	BS	QC1008206	18284583		1072343		377525
058	BSD	QC1008207	18086039		1065993		376388
059	SAMPLE	467769-002	18491529		1067697		384974

Enthalpy Internal Standard Summary for Sequence 482338973

Date : 08/23/22 Reference : met06_master
Sequence : MET06 08/23/22 Analyzed : 08/23/22 09:33

#	Type	Sample ID	Y H	Y A	Y R
060	SAMPLE	467769-003	18492007	1070154	384199
061	SAMPLE	467769-005	18358973	1067502	384469
062	SAMPLE	467769-006	18424803	1067281	386290
063	SAMPLE	467771-002	18348755	1062226	383867
064	SAMPLE	467771-004	18232003	1060529	382530
065	SAMPLE	467771-006	18411392	1062738	384484
066	CCV		18055983	1053138	363460
067	CCB		18834812	1122614	388771
068	SAMPLE	467771-008	18144791	1054434	383265
069	SAMPLE	467774-002	18479023	1067038	389283
070	SAMPLE	467774-004	18402125	1065961	388397
071	SAMPLE	467774-006	18331319	1066835	383807
072	SAMPLE	467774-008	18203050	1059068	387025
073	BLANK	QC1008173	18301932	1071381	385196
074	LCS	QC1008227	18268178	1075767	382860
075	SAMPLE	467649-005	17688276	1019147	368815
076	SAMPLE	467682-001	18680287	1078708	395213
077	SAMPLE	467682-002	18018312	1044698	378078
078	CCV		18184826	1056842	368579
079	CCB		18762638	1130806	392206
080	SAMPLE	467682-003	17964973	1041423	376248
081	SAMPLE	467682-004	18171857	1053141	380198
082	SAMPLE	467682-005	18399863	1063823	390611
083	SAMPLE	467682-006	18057052	1046442	380612
084	SAMPLE	467682-007	18182238	1062863	380373
085	SAMPLE	467682-008	18163143	1063002	380760
086	SAMPLE	467682-009	18077333	1051780	376800
087	SAMPLE	467682-010	18447770	1074842	390998
088	SAMPLE	467682-011	18671005	1078174	395961
089	SAMPLE	467690-001	18020216	1040890	382668
090	CCV		18196573	1063814	369477
091	CCB		18878616	1127447	388448
092	SAMPLE	467690-002	17854057	1016661	374114
093	SAMPLE	467690-003	17537405	999527	369379
094	MSS	467694-001	18218853	1065909	382562
095	MS	QC1008174	17916241	1058413	379835
096	MSD	QC1008175	17997176	1059773	381158
098	SAMPLE	467694-002	18223159	1069466	390138
099	SAMPLE	467694-003	17919645	1046411	378698
100	SAMPLE	467746-001	19006182	1128129	406145
101	CCV		18294493	1064260	375002
102	CCB		18863045	1138553	389709

ENTHALPY INITIAL CALIBRATION FOR 467769 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	482338973001	Date:	23-AUG-2022 09:33
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master	482338973002	L1	23-AUG-2022 09:37	S17110, S13369 (100X)
L2	met06_master	482338973003	L2	23-AUG-2022 09:40	S17109, S13369 (100X)
L3	met06_master	482338973004	L3	23-AUG-2022 09:43	S17108, S13369 (100X)
L4	met06_master	482338973005	L4	23-AUG-2022 09:46	S17107, S13369 (100X)

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	0.0223	0.0396	0.0393	0.0375	WB1K	0.00283	26.6219		0.0347	1.000		5	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
WB1K: Linear regression with ICALBLK weighting factor of 1000

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D
Lead	A	0.0033	**44**	0.1000	8	1.0000	5	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 467769 METALS Wipe
EPA 6010B

Inst : MET06
Calnum : 482338973001 Cal Date : 23-AUG-2022

ICV 482338973010 (23-AUG-2022) stds: S17024, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	1.041	mg/l	4	

ENTHALPY INSTRUMENT BLANK FOR 467769 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973012 File : met06_master Time : 23-AUG-2022 10:10
Cal : 482338973001 Caldate : 23-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18422473	4.95
Yttrium	A	970979	1053037	8.45
Yttrium	R	370837	372579	0.47

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 467769 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973013 File : met06_master Time : 23-AUG-2022 10:13
Cal : 482338973001 Caldate : 23-AUG-2022
Standards: S16979, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	0.005544	0.003333	mg/l	!a+

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	146.3	mg/l	91	
Aluminum	R	400.0	370.8	mg/l	93	
Calcium	R	400.0	391.6	mg/l	98	
Magnesium	R	400.0	403.3	mg/l	101	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	16549392	-5.72
Yttrium	A	970979	914571	-5.81
Yttrium	R	370837	335426	-9.55

!=warning +=high bias a=ICSA

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 467769 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973014 File : met06_master Time : 23-AUG-2022 10:16
Cal : 482338973001 Caldate : 23-AUG-2022
Standards: S17065, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.041	mg/l	4	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	16574588	-5.57
Yttrium	A	970979	917293	-5.53
Yttrium	R	370837	334966	-9.67

ENTHALPY CONTINUING CALIBRATION FOR 467769 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973054 File : met06_master Time : 23-AUG-2022 12:49
Cal : 482338973001 Caldate : 23-AUG-2022
Standards: S17024, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0347	0.0402	1.000	1.072	mg/l	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18253856	3.99
Yttrium	A	970979	1053095	8.46
Yttrium	R	370837	365141	-1.54

ENTHALPY INSTRUMENT BLANK FOR 467769 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973055 File : met06_master Time : 23-AUG-2022 12:52
Cal : 482338973001 Caldate : 23-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18954175	7.98
Yttrium	A	970979	1114347	14.77
Yttrium	R	370837	379515	2.34

ENTHALPY CONTINUING CALIBRATION FOR 467769 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973066 File : met06_master Time : 23-AUG-2022 13:41
Cal : 482338973001 Caldate : 23-AUG-2022
Standards: S17024, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0347	0.0400	1.000	1.067	mg/l	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18055983	2.86
Yttrium	A	970979	1053138	8.46
Yttrium	R	370837	363460	-1.99

ENTHALPY INSTRUMENT BLANK FOR 467769 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973067 File : met06_master Time : 23-AUG-2022 13:45
Cal : 482338973001 Caldate : 23-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18834812	7.30
Yttrium	A	970979	1122614	15.62
Yttrium	R	370837	388771	4.84

SAMPLE PREPARATION SUMMARY

Batch # : 295524 Analysis : ICP
Started By : DLS Prep Date : 23-AUG-2022 10:35 Finished By : DLS
Method : 3050B Units : ft2
Spike #1 ID : S16855 Spike #2 ID : S16906

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
467769-002		Wipe	1	100	1	100.0						6010	
467769-003		Wipe	1	100	1	100.0						6010	
467769-005		Wipe	1	100	1	100.0						6010	
467769-006		Wipe	1	100	1	100.0						6010	
467771-002		Wipe	1	100	1	100.0						6010	
467771-004		Wipe	1.06	100	1	94.34						6010	
467771-006		Wipe	1	100	1	100.0						6010	
467771-008		Wipe	1.06	100	1	94.34						6010	
467774-002		Wipe	1.0276	100	1	97.31						6010	
467774-004		Wipe	1	100	1	100.0						6010	
467774-006		Wipe	1.02	100	1	98.04						6010	
467774-008		Wipe	1	100	1	100.0						6010	
QC1008205	BLANK	Wipe	1	100	1	100.0						ICP	
QC1008206	BS	Wipe	1	100	1	100.0		1	1			ICP	
QC1008207	BSD	Wipe	1	100	1	100.0		1	1			ICP	

Analyst: KLN Date: 08/23/22 Reviewer: DCD Date: 08/24/22

ICP Prep Log

Initials: DS Prep Method: 3050B / 3010A / 200.7 / STLC QC Batch #: 205524 Thermometer ID: 163746

Prep Start, Date/Time: 6/23/22 1035 Prep End, Date/Time: 6/23/22 1155 HotBlock Temperature, °C: 95

HotBlock ID: 11

Sample ID	Bottle #	Sample pH (Water Only)	Sample Appearance	Initial Vol. or Weight (mL or g)	Bal. ID	Final Vol (mL)	Digestion Tube Lot#	Comment
Blank	-----	-----	-----	NA	NA	100	M-DI150XX027	
LCS	-----	-----	-----	↓				
467769-2	A	NA	W.P.B	1 WPB				
-3	A							
-5	A							
-6	A							
467771-2	A							
-4	A							
-6	A							
-8	A							
467774-2	A							
-4	A							
-6	A							
-8	A							
LCSD	NA			NA				

Hydrochloric Acid ID: 10mL - 221660149

Nitric Acid ID: 10mL - 202205138

H_2O_2 ID: 3mL 131502

LCS Spike ID: 1mL - S1C655 / S1C906

MS/MSD Spike ID: NA

ICP Raw Data

Enthalpy Sequence Summary for Sequence 482338973

Instrument : MET06 Begun : 08/23/22 09:33
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master	ICALBLK	CALBLANK			08/23/22 09:33	1.0	1	
002	met06_master	ICAL	L1			08/23/22 09:37	1.0	2 1	
003	met06_master	ICAL	L2			08/23/22 09:40	1.0	3 1	
004	met06_master	ICAL	L3			08/23/22 09:43	1.0	4 1	
005	met06_master	ICAL	L4			08/23/22 09:46	1.0	5 1	
006	met06_master	ICAL	L5			08/23/22 09:50	1.0	6 1	
007	met06_master	ICAL	L6			08/23/22 09:53	1.0	7 1	
008	met06_master	ICAL	L7			08/23/22 09:56	1.0	8 1	
009	met06_master	ICAL	L8			08/23/22 10:00	1.0	9 1	
010	met06_master	ICV				08/23/22 10:03	1.0	10 1	
011	met06_master	CRI				08/23/22 10:06	1.0	11 1	
012	met06_master	ICB				08/23/22 10:10	1.0	1	
013	met06_master	ICSA				08/23/22 10:13	1.0	12 1	4:MGASMGCO3=1400
014	met06_master	ICSAB				08/23/22 10:16	1.0	13 1	4:MGASMGCO3=1400
015	met06_master	BS	QC1007818	Soil	295419	08/23/22 10:19	1.0	1	
016	met06_master	BSD	QC1007819	Soil	295419	08/23/22 10:23	1.0	1	
017	met06_master	SAMPLE	467401-001	Water	295313	08/23/22 10:26	1.0	1	2:K=4800
018	met06_master	LCS	QC1007951	TCLP Leachate	295454	08/23/22 10:31	1.0	1	
019	met06_master	SAMPLE	467595-001	Miscell.	295415	08/23/22 10:34	1.0	1	1:AL=2900
020	met06_master	LCS	QC1007812	Soil	295416	08/23/22 10:37	1.0	1	
021	met06_master	SAMPLE	467519-022	Soil	295416	08/23/22 10:41	1.0	1	
022	met06_master	SAMPLE	467519-024	Soil	295416	08/23/22 10:44	1.0	1	1:FE=160
023	met06_master	CCV				08/23/22 10:48	1.0	10 1	
024	met06_master	CCB				08/23/22 10:52	1.0	1	
025	met06_master	SAMPLE	467519-027	Soil	295416	08/23/22 10:55	1.0	1	
026	met06_master	SAMPLE	467519-039	Soil	295416	08/23/22 10:58	1.0	1	
027	met06_master	SAMPLE	467519-043	Soil	295416	08/23/22 11:01	1.0	1	
028	met06_master	CCV				08/23/22 11:05	1.0	10 1	
029	met06_master	CCB				08/23/22 11:08	1.0	1	
030	met06_master	BLANK	QC1008177	Water	295517	08/23/22 11:29	1.0	1	
031	met06_master	LCS	QC1008178	Water	295517	08/23/22 11:33	1.0	1	
032	met06_master	SAMPLE	467758-002	Sea Water	295517	08/23/22 11:36	1.0	1	4:NA=3500
033	met06_master	MSS	467782-001	Water	295517	08/23/22 11:39	1.0	1	2:NA=1100
034	met06_master	MS	QC1008179	Water	295517	08/23/22 11:42	1.0	1	2:NA=1000
035	met06_master	MSD	QC1008180	Water	295517	08/23/22 11:46	1.0	1	2:NA=1000
036	met06_master	BLANK	QC1008181	Wipe	295518	08/23/22 11:49	1.0	1	
037	met06_master	CCV				08/23/22 11:54	1.0	10 1	
038	met06_master	CCB				08/23/22 11:57	1.0	1	
039	met06_master	SAMPLE	467519-027	Soil	295416	08/23/22 12:00	1.0	1	
040	met06_master	SAMPLE	467519-039	Soil	295416	08/23/22 12:03	1.0	1	
041	met06_master	SAMPLE	467519-043	Soil	295416	08/23/22 12:07	1.0	1	
042	met06_master	BLANK	QC1008177	Water	295517	08/23/22 12:10	1.0	1	
043	met06_master	LCS	QC1008178	Water	295517	08/23/22 12:13	1.0	1	
044	met06_master	SAMPLE	467758-002	Sea Water	295517	08/23/22 12:16	1.0	1	4:NA=3300
045	met06_master	MSS	467782-001	Water	295517	08/23/22 12:20	1.0	1	2:NA=1100
046	met06_master	MS	QC1008179	Water	295517	08/23/22 12:23	1.0	1	2:NA=1000
047	met06_master	MSD	QC1008180	Water	295517	08/23/22 12:26	1.0	1	2:NA=1000
048	met06_master	BLANK	QC1008181	Wipe	295518	08/23/22 12:29	1.0	1	
049	met06_master	CCV				08/23/22 12:33	1.0	10 1	
050	met06_master	CCB				08/23/22 12:36	1.0	1	
051	met06_master	BS	QC1008182	Wipe	295518	08/23/22 12:39	1.0	1	
052	met06_master	BSD	QC1008183	Wipe	295518	08/23/22 12:42	1.0	1	

Enthalpy Sequence Summary for Sequence 482338973

Instrument : MET06 Begun : 08/23/22 09:33
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met06_master	SAMPLE	467767-002	Wipe	295518	08/23/22 12:46	1.0	1	
054	met06_master	CCV				08/23/22 12:49	1.0	10 1	
055	met06_master	CCB				08/23/22 12:52	1.0	1	
056	met06_master	BLANK	QC1008205	Wipe	295524	08/23/22 13:09	1.0	1	
057	met06_master	BS	QC1008206	Wipe	295524	08/23/22 13:12	1.0	1	
058	met06_master	BSD	QC1008207	Wipe	295524	08/23/22 13:15	1.0	1	
059	met06_master	SAMPLE	467769-002	Wipe	295524	08/23/22 13:19	1.0	1	
060	met06_master	SAMPLE	467769-003	Wipe	295524	08/23/22 13:22	1.0	1	
061	met06_master	SAMPLE	467769-005	Wipe	295524	08/23/22 13:25	1.0	1	
062	met06_master	SAMPLE	467769-006	Wipe	295524	08/23/22 13:28	1.0	1	
063	met06_master	SAMPLE	467771-002	Wipe	295524	08/23/22 13:32	1.0	1	
064	met06_master	SAMPLE	467771-004	Wipe	295524	08/23/22 13:35	1.0	1	
065	met06_master	SAMPLE	467771-006	Wipe	295524	08/23/22 13:38	1.0	1	
066	met06_master	CCV				08/23/22 13:41	1.0	10 1	
067	met06_master	CCB				08/23/22 13:45	1.0	1	
068	met06_master	SAMPLE	467771-008	Wipe	295524	08/23/22 13:48	1.0	1	
069	met06_master	SAMPLE	467774-002	Wipe	295524	08/23/22 13:51	1.0	1	
070	met06_master	SAMPLE	467774-004	Wipe	295524	08/23/22 13:54	1.0	1	
071	met06_master	SAMPLE	467774-006	Wipe	295524	08/23/22 13:58	1.0	1	
072	met06_master	SAMPLE	467774-008	Wipe	295524	08/23/22 14:01	1.0	1	
073	met06_master	BLANK	QC1008173	Soil	295516	08/23/22 14:04	1.0	1	
074	met06_master	LCS	QC1008227	Soil	295516	08/23/22 14:07	1.0	1	
075	met06_master	SAMPLE	467649-005	Soil	295516	08/23/22 14:11	1.0	1	2:FE=350
076	met06_master	SAMPLE	467682-001	Soil	295516	08/23/22 14:14	1.0	1	
077	met06_master	SAMPLE	467682-002	Soil	295516	08/23/22 14:17	1.0	1	
078	met06_master	CCV				08/23/22 14:20	1.0	10 1	
079	met06_master	CCB				08/23/22 14:24	1.0	1	
080	met06_master	SAMPLE	467682-003	Soil	295516	08/23/22 14:27	1.0	1	1:FE=180
081	met06_master	SAMPLE	467682-004	Soil	295516	08/23/22 14:30	1.0	1	1:FE=170
082	met06_master	SAMPLE	467682-005	Soil	295516	08/23/22 14:34	1.0	1	1:FE=190
083	met06_master	SAMPLE	467682-006	Soil	295516	08/23/22 14:37	1.0	1	
084	met06_master	SAMPLE	467682-007	Soil	295516	08/23/22 14:40	1.0	1	3:FE=220
085	met06_master	SAMPLE	467682-008	Soil	295516	08/23/22 14:43	1.0	1	1:FE=200
086	met06_master	SAMPLE	467682-009	Soil	295516	08/23/22 14:47	1.0	1	1:FE=180
087	met06_master	SAMPLE	467682-010	Soil	295516	08/23/22 14:50	1.0	1	1:FE=200
088	met06_master	SAMPLE	467682-011	Soil	295516	08/23/22 14:53	1.0	1	1:FE=210
089	met06_master	SAMPLE	467690-001	Miscell.	295516	08/23/22 14:56	1.0	1	3:FE=400
090	met06_master	CCV				08/23/22 15:00	1.0	10 1	
091	met06_master	CCB				08/23/22 15:03	1.0	1	
092	met06_master	SAMPLE	467690-002	Miscell.	295516	08/23/22 15:06	1.0	1	3:FE=430
093	met06_master	SAMPLE	467690-003	Miscell.	295516	08/23/22 15:09	1.0	1	3:FE=440
094	met06_master	MSS	467694-001	Soil	295516	08/23/22 15:13	1.0	1	3:FEASFE2O3=250
095	met06_master	MS	QC1008174	Soil	295516	08/23/22 15:16	1.0	1	3:ALASAL2O3=280
096	met06_master	MSD	QC1008175	Soil	295516	08/23/22 15:19	1.0	1	3:ALASAL2O3=290
097	met06_master	PDS	QC1008176	Soil	295516	08/23/22 15:22	1.0	1	1:FE=170
098	met06_master	SAMPLE	467694-002	Soil	295516	08/23/22 15:26	1.0	1	2:FE=240
099	met06_master	SAMPLE	467694-003	Soil	295516	08/23/22 15:29	1.0	1	2:SULFUR=250
100	met06_master	SAMPLE	467746-001	Miscell.	295516	08/23/22 15:32	1.0	1	1:V=12
101	met06_master	CCV				08/23/22 15:35	1.0	10 1	
102	met06_master	CCB				08/23/22 15:39	1.0	1	

Enthalpy Sequence Summary for Sequence 482338973

Instrument : MET06 Begun : 08/23/22 09:33
Method : EPA 6010B

Standards used: 1=S13369 2=S17110 3=S17109 4=S17108 5=S17107 6=S16645 7=S17115 8=S17113 9=S17048 10=S17024 11=S16646 12=S16979 13=S17065

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 467769-002	Client ID	: AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-L-WF
Seqnum	: 482338973059.1	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 295524	Time	: 23-AUG-2022 13:19
Cal	: 482338973001	Caldate	: 23-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.4566	46	0.50	0.087	!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	970979	1067697	9.96

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467769-002,295524			Sample Type: Unknown Sample
Measure Date: 2022-08-23 13:19:05	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	61847.63800	4986.69340	6866.44490	9847.87850	11629.10300	120757	11624.51400
Int RSD	*0.78067539*	*9.22195237*	*0.70503347*	*1.41674951*	*0.90867817*	*1.75937114*	*1.67544561*
Int SD	*482.82929000*	*459.87049000*	*48.41073500*	*139.51977000*	*105.67112000*	*2124.57120*	*194.76241000*
RelInt Mean	0.00003403	0.00790466	-0.00066779	0.00203005	0.00211473	0.31410839	0.00272665
RelInt RSD	*2.74900297*	*11.59749169*	*5.54259312*	*7.79293352*	*7.62520435*	*2.21948949*	*7.81363013*
RelInt SD	*0.00000094*	*0.00091674*	*0.00003701*	*0.00015820*	*0.00016125*	*0.00697160*	*0.00021305*
Conc Mean	<-0.00035825[mg/l]	0.91595580[mg/l]	<-0.01534709[mg/l]	0.01469930[mg/l]	0.00620273[mg/l]	15.56165900[mg/l]	0.01354570[mg/l]
Conc RSD	*8.60696399*	*13.88679454*	*7.77106822*	*9.57647904*	*8.36481893*	*2.22992806*	*7.85194885*
Conc SD	*0.00003083[mg/l]*	*0.12719690[mg/l]*	*0.00119263[mg/l]*	*0.00140767[mg/l]*	*0.00051885[mg/l]*	*0.34701380[mg/l]*	*0.00106360[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	11762.51900	158530	15100525	3484.50460	5200.83180	620672	7025.29580
Int RSD	*0.60444378*	*0.90792876*	*0.33860002*	*15.88057855*	*11.90123953*	*0.35986481*	*1.38729199*
Int SD	*71.09781500*	*1439.33910*	*51130.38000*	*553.35949000*	*618.96345000*	*2233.57990*	*97.46136600*
RelInt Mean	0.00391528	0.00573847	14.28697000	0.00870028	0.00832117	0.57744919	0.00004161
RelInt RSD	*1.69219749*	*1.00548694*	*0.91429134*	*15.20552462*	*15.87509163*	*0.81568463*	*246.82094612*
RelInt SD	*0.00006625*	*0.00005770*	*0.13062453*	*0.00132292*	*0.00132099*	*0.00471016*	*0.00010270*
Conc Mean	0.02525248[mg/l]	0.11587709[mg/l]	43.77510100[mg/l]	6.53290250[mg/l]	2.29033290[mg/l]	0.34991186[mg/l]	<-0.00238861[mg/l]
Conc RSD	*1.70538455*	*1.15681253*	*0.91570299*	*17.75709342*	*16.11899213*	*0.81605676*	*29.57352658*
Conc SD	*0.00043065[mg/l]*	*0.00134048[mg/l]*	*0.40084991[mg/l]*	*1.16005360[mg/l]*	*0.36917858[mg/l]*	*0.00285548[mg/l]*	*0.00070640[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	80062.31600	13830.64500	27995.87700	7894.25740	6729.05630	9034.19910	8920.67790
Int RSD	*9.22355806*	*0.77316134*	*0.49733423*	*0.90881031*	*0.80846626*	*0.38087328*	*14.00066692*
Int SD	*7384.59420*	*106.93320000*	*139.23308000*	*71.74382500*	*54.40215000*	*34.40885000*	*1248.95440*
RelInt Mean	0.18908408	0.00423971	0.01705381	0.00054428	0.00001067	-0.00011703	0.01990321
RelInt RSD	*8.93676083*	*3.94407256*	*0.59264955*	*18.31189656*	*411.01301687*	*28.83299243*	*14.93635599*
RelInt SD	*0.01689799*	*0.00016722*	*0.00010107*	*0.00009967*	*0.00004387*	*0.00003374*	*0.00297281*
Conc Mean	7.14019210[mg/l]	0.02953712[mg/l]	0.45661937[mg/l]	0.01573685[mg/l]	<-0.00147825[mg/l]	<-0.00752062[mg/l]	0.01495178[mg/l]
Conc RSD	*10.27003265*	*4.18369118*	*0.58913237*	*21.52850818*	*91.70578095*	*7.48097428*	*14.79659206*
Conc SD	*0.73330006[mg/l]*	*0.00123574[mg/l]*	*0.00269009[mg/l]*	*0.00338791[mg/l]*	*0.00135564[mg/l]*	*0.00056262[mg/l]*	*0.00221235[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	199395	6385.79170	18773.26700	1067697	18491529	384974	407776
Int RSD	*3.13976713*	*0.45162386*	*0.32919502*	*0.57667487*	*0.40051186*	*0.63928846*	*0.47123403*
Int SD	*6260.54370*	*28.83975900*	*61.80066000*	*6157.14260*	*74060.76700*	*2461.09680*	*1921.57760*
RelInt Mean	0.00718645	-0.00096941	0.00020597	---	---	---	0.37964962
RelInt RSD	*4.95841341*	*4.60139703*	*6.27908493*	---	---	---	*0.17055518*
RelInt SD	*0.00035633*	*0.00004461*	*0.00001293*	---	---	---	*0.00064751*
Conc Mean	0.04972822[mg/l]	<-0.05098812[mg/l]	<0.00062657[mg/l]	1056163	18411693	383414	1.00762470[mg/l]
Conc RSD	*5.84461599*	*5.50005317*	*317.10088264*	---	---	---	*0.17063872*
Conc SD	*0.00290642[mg/l]*	*0.00280437[mg/l]*	*0.00198686[mg/l]*	*6123.85840*	*74304.40900*	*2541.16610*	*0.00171940[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	97.39422700	5922.97160	174025	23935.44600	9192.83840	154754	
Int RSD	*196.32794046*	*18.16513859*	*0.36004983*	*0.33371169*	*0.55995450*	*0.47885822*	
Int SD	*191.21208000*	*1075.91600*	*626.57762000*	*79.87538200*	*51.47571200*	*741.05182000*	
RelInt Mean	-0.00066116	0.00087311	0.15689346	0.01450255	0.00033866	0.13809049	
RelInt RSD	*27.31881281*	*23.02931162*	*0.31703230*	*0.81494722*	*19.14032924*	*0.13865790*	
RelInt SD	*0.00018062*	*0.00020107*	*0.00049740*	*0.00011819*	*0.00006482*	*0.00019147*	
Conc Mean	<-0.00070256[mg/l]	<-0.00178338[mg/l]	1.77563600[mg/l]	0.23925338[mg/l]	0.00057219[mg/l]	4.86934980[mg/l]	
Conc RSD	*69.27069742*	*106.83920790*	*0.31820452*	*0.82402468*	*33.41563670*	*0.13853744*	
Conc SD	*0.00048667[mg/l]*	*0.00190535[mg/l]*	*0.00565015[mg/l]*	*0.00197151[mg/l]*	*0.00019120[mg/l]*	*0.00674587[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 467769-003	Client ID	: AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-L-DUP-WF
Seqnum	: 482338973060	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 295524	Time	: 23-AUG-2022 13:22
Cal	: 482338973001	Caldate	: 23-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.5803	58	0.50	0.087	!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	970979	1070154	10.21

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467769-003,295524			Sample Type: Unknown Sample
Measure Date: 2022-08-23 13:22:20	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	61476.09800	4735.55400	6751.37540	9522.63840	11775.20000	86237.89700	11739.11200
Int RSD	*0.73031073*	*11.37527267*	*0.26880155*	*0.95137049*	*1.76764140*	*11.78683775*	*0.09130554*
Int SD	*448.96654000*	*538.68218000*	*18.14780200*	*90.59557200*	*208.14331000*	*10164.72100*	*10.71846000*
RelInt Mean	0.00003200	0.00775259	-0.00064852	0.00168898	0.00225579	0.22477741	0.00282338
RelInt RSD	*40.55067683*	*16.22525857*	*2.55471387*	*4.37956722*	*7.96789938*	*12.59175866*	*1.34398465*
RelInt SD	*0.00001298*	*0.00125788*	*0.00001657*	*0.00007397*	*0.00017974*	*0.02830343*	*0.00003795*
Conc Mean	<-0.00042536[mg/l]	0.89485567[mg/l]	<-0.01472701[mg/l]	0.01166441[mg/l]	0.00666277[mg/l]	11.11518000[mg/l]	0.01404113[mg/l]
Conc RSD	*100.53242980*	*19.50358654*	*3.62279977*	*5.64269849*	*8.70372587*	*12.67467104*	*1.37202622*
Conc SD	*0.00042763[mg/l]*	*0.17452895[mg/l]*	*0.00053353[mg/l]*	*0.00065819[mg/l]*	*0.00057991[mg/l]*	*1.40881250[mg/l]*	*0.00019265[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	11894.95300	161965	15826929	2767.12860	5052.88120	656235	6764.07580
Int RSD	*0.50480570*	*1.20692535*	*0.85281642*	*13.87987750*	*9.67240750*	*0.39668516*	*0.56877930*
Int SD	*60.04640100*	*1954.79930*	*134975*	*384.07406000*	*488.73526000*	*2603.18490*	*38.47266300*
RelInt Mean	0.00401650	0.00594010	14.93985400	0.00686755	0.00805884	0.60964528	-0.00013564
RelInt RSD	*0.95630539*	*0.96580050*	*1.21043566*	*12.27905772*	*14.33089095*	*0.11073488*	*16.90899244*
RelInt SD	*0.00003841*	*0.00005737*	*0.18083732*	*0.00084327*	*0.00115490*	*0.00067509*	*0.00002294*
Conc Mean	0.02591038[mg/l]	0.12056131[mg/l]	45.77862100[mg/l]	4.92580700[mg/l]	2.21702020[mg/l]	0.36943035[mg/l]	<-0.00360779[mg/l]
Conc RSD	*0.96356938*	*1.10550773*	*1.21222378*	*15.01180619*	*14.55834863*	*0.11078336*	*4.37271493*
Conc SD	*0.00024966[mg/l]*	*0.00133281[mg/l]*	*0.55493933[mg/l]*	*0.73945260[mg/l]*	*0.32276153[mg/l]*	*0.00040927[mg/l]*	*0.00015776[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	77455.91100	13964.45300	32925.81300	7501.46860	6675.54460	8846.99530	7314.55280
Int RSD	*8.35954870*	*1.00850431*	*0.38077064*	*0.86232211*	*0.09836269*	*0.40550725*	*12.78247797*
Int SD	*6474.96460*	*140.83211000*	*125.37183000*	*64.68682200*	*6.56624550*	*35.87520700*	*934.98110000*
RelInt Mean	0.18281117	0.00432541	0.02170081	0.00024667	0.00000753	-0.00007006	0.01586559
RelInt RSD	*8.60735534*	*2.76388598*	*0.61392202*	*29.49215904*	*438.29526451*	*35.92859700*	*14.64547334*
RelInt SD	*0.01573521*	*0.00011955*	*0.00013323*	*0.00007275*	*0.00003300*	*0.00002517*	*0.00232359*
Conc Mean	6.86797520[mg/l]	0.03017041[mg/l]	0.58033258[mg/l]	0.00561644[mg/l]	<-0.00157544[mg/l]	<-0.00673746[mg/l]	0.01194700[mg/l]
Conc RSD	*9.94237734*	*2.92827713*	*0.60789537*	*44.03940259*	*64.72310408*	*6.22925666*	*14.47396380*
Conc SD	*0.68284001[mg/l]*	*0.00088347[mg/l]*	*0.00352781[mg/l]*	*0.00247345[mg/l]*	*0.00101967[mg/l]*	*0.00041969[mg/l]*	*0.00172920[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	184763	6268.53970	18403.95700	1070154	18492007	384199	365859
Int RSD	*2.68265801*	*0.65848405*	*0.57449738*	*0.35985078*	*0.56158171*	*1.52337641*	*0.12125362*
Int SD	*4956.57150*	*41.27733400*	*105.73025000*	*3850.95610*	*103848*	*5852.79570*	*443.61698000*
RelInt Mean	0.00641407	-0.00095702	0.00019400	---	---	---	0.33921259
RelInt RSD	*3.58295218*	*1.04450425*	*2.23822965*	---	---	---	*0.25429170*
RelInt SD	*0.00022981*	*0.00001000*	*0.00000434*	---	---	---	*0.00086259*
Conc Mean	0.04342834[mg/l]	<-0.05018796[mg/l]	<-0.00121262[mg/l]	1058616	18412446	382662	0.90024604[mg/l]
Conc RSD	*4.31621718*	*1.25201132*	*55.01847480*	---	---	---	*0.25444878*
Conc SD	*0.00187446[mg/l]*	*0.00062836[mg/l]*	*0.00066717[mg/l]*	*3824.59260*	*103641*	*5863.30960*	*0.00229067[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	218.77350000	5762.93460	169407	23223.40900	9103.11880	117320	
Int RSD	*110.38417359*	*18.72192511*	*0.36960927*	*0.75239044*	*0.90600230*	*0.49993819*	
Int SD	*241.49132000*	*1078.93230*	*626.14567000*	*174.73071000*	*82.47446600*	*586.52913000*	
RelInt Mean	-0.00027109	0.00060375	0.15215929	0.01394495	0.00019152	0.10255380	
RelInt RSD	*111.44340171*	*32.05516719*	*0.74763039*	*1.38709107*	*47.65486384*	*0.90412852*	
RelInt SD	*0.00030211*	*0.00019353*	*0.00113759*	*0.00019343*	*0.00009127*	*0.00092722*	
Conc Mean	<0.00034844[mg/l]	<-0.00433577[mg/l]	1.72189760[mg/l]	0.22995200[mg/l]	<0.00012694[mg/l]	3.61735910[mg/l]	
Conc RSD	*233.61962714*	*42.29784941*	*0.75049916*	*1.40315822*	*217.67338717*	*0.90305104*	
Conc SD	*0.00081403[mg/l]*	*0.00183394[mg/l]*	*0.01292283[mg/l]*	*0.00322659[mg/l]*	*0.00027631[mg/l]*	*0.03266660[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 467769-005	Client ID	: DOOR-N-0.1GE-EXT-5 TO 6-220822-L-CB
Seqnum	: 482338973061	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 295524	Time	: 23-AUG-2022 13:25
Cal	: 482338973001	Caldate	: 23-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.6649	66	0.50	0.087	!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	970979	1067502	9.94

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467769-005,295524				Sample Type: Unknown Sample			
Measure Date: 2022-08-23 13:25:36		Recalculation Date:		State: Measured		Quality:	

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	62044.00900	4683.73440	7685.72330	9652.18260	11267.50700	89050.94700	10684.28200
Int RSD	*0.91433813*	*8.03385542*	*0.76998040*	*0.69982181*	*0.82294950*	*12.13621120*	*0.17346872*
Int SD	*567.29203000*	*376.28445000*	*59.17856300*	*67.54807900*	*92.72589300*	*10807.41100*	*18.53388700*
RelInt Mean	0.00003369	0.00755220	0.00037777	0.00164110	0.00168655	0.23184056	0.00174690
RelInt RSD	*31.58515048*	*9.29439432*	*13.37391783*	*1.23061868*	*3.49007862*	*12.94129422*	*1.04185681*
RelInt SD	*0.00001064*	*0.00070193*	*0.00005052*	*0.00002020*	*0.00005886*	*0.03000317*	*0.00001820*
Conc Mean	<-0.00036942[mg/l]	0.86705189[mg/l]	0.01832921[mg/l]	0.01123844[mg/l]	0.00482315[mg/l]	11.46675100[mg/l]	0.00864291[mg/l]
Conc RSD	*94.94495456*	*11.23255530*	*8.88371154*	*1.59900088*	*3.90769642*	*13.02389753*	*0.94317441*
Conc SD	*0.00035075[mg/l]*	*0.09739208[mg/l]*	*0.00162831[mg/l]*	*0.00017970[mg/l]*	*0.00018847[mg/l]*	*1.49341790[mg/l]*	*0.00008152[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	13024.98000	330934	22607772	2818.35570	4970.65550	432596	6872.55320
Int RSD	*1.45122672*	*1.35964252*	*0.52935796*	*11.45972029*	*8.31203209*	*0.35419320*	*0.53315354*
Int SD	*189.02199000*	*4499.51490*	*119676*	*322.97568000*	*413.16248000*	*1532.22550*	*36.64126100*
RelInt Mean	0.00493714	0.01517679	21.40064700	0.00698465	0.00767641	0.39923315	-0.00008509
RelInt RSD	*2.68430349*	*1.56988458*	*0.81813671*	*10.26770947*	*13.02296958*	*0.18525692*	*75.67841751*
RelInt SD	*0.00013253*	*0.00023826*	*0.17508655*	*0.00071716*	*0.00099970*	*0.00073961*	*0.00006440*
Conc Mean	0.03189456[mg/l]	0.33514872[mg/l]	65.60502100[mg/l]	5.02848890[mg/l]	2.11014420[mg/l]	0.24187055[mg/l]	<-0.00326011[mg/l]
Conc RSD	*2.70086621*	*1.65157280*	*0.81898117*	*12.50616284*	*13.24013686*	*0.18537917*	*13.58693985*
Conc SD	*0.00086143[mg/l]*	*0.00553523[mg/l]*	*0.53729277[mg/l]*	*0.62887101[mg/l]*	*0.27938598[mg/l]*	*0.00044838[mg/l]*	*0.00044295[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	58848.38500	29834.80700	36305.28400	7780.25910	6584.38860	10811.82300	7218.14190
Int RSD	*7.67410660*	*0.38683448*	*0.12720630*	*0.27077047*	*0.59734014*	*0.74639011*	*13.39398883*
Int SD	*4516.08780*	*115.41132000*	*46.18260800*	*21.06664400*	*39.33119600*	*80.69837800*	*966.79712000*
RelInt Mean	0.13414924	0.01929736	0.02487672	0.00055090	-0.00005629	0.00209686	0.01552890
RelInt RSD	*7.23552649*	*1.12516710*	*0.49500718*	*2.68280000*	*21.14596132*	*3.05754965*	*15.37159480*
RelInt SD	*0.00970640*	*0.00021713*	*0.00012314*	*0.00001478*	*0.00001190*	*0.00006411*	*0.00238704*
Conc Mean	4.75625750[mg/l]	0.14081370[mg/l]	0.66488512[mg/l]	0.01592298[mg/l]	<-0.00354750[mg/l]	0.02939373[mg/l]	0.01169644[mg/l]
Conc RSD	*8.85603902*	*1.13950738*	*0.49590647*	*3.18385797*	*10.36833778*	*3.63687157*	*15.18772806*
Conc SD	*0.42121602[mg/l]*	*0.00160458[mg/l]*	*0.00329721[mg/l]*	*0.00050696[mg/l]*	*0.00036782[mg/l]*	*0.00106901[mg/l]*	*0.00177642[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	190840	6220.88970	18562.20800	1067502	18358973	384469	290359
Int RSD	*11.06262144*	*0.26286811*	*1.12336049*	*0.45183499*	*0.28803344*	*1.17339030*	*0.59627357*
Int SD	*21111.87800*	*16.35273500*	*208.52051000*	*4823.34570*	*52879.98100*	*4511.31690*	*1731.33380*
RelInt Mean	0.00678017	-0.00090885	0.00019349	---	---	---	0.26859264
RelInt RSD	*17.18320243*	*5.22741099*	*3.01552287*	---	---	---	*0.15845304*
RelInt SD	*0.00116505*	*0.00004751*	*0.00000583*	---	---	---	*0.00042559*
Conc Mean	0.04641443[mg/l]	<-0.04715885[mg/l]	<-0.00129038[mg/l]	1055832	18279033	382920	0.71271560[mg/l]
Conc RSD	*20.47356721*	*6.36850879*	*69.48592522*	---	---	---	*0.15852656*
Conc SD	*0.00950269[mg/l]*	*0.00300332[mg/l]*	*0.00089663[mg/l]*	*4853.97280*	*52766.66500*	*4525.78980*	*0.00112984[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	152.42959000	5912.20720	153928	22786.46100	9254.68640	121731	
Int RSD	*79.80235334*	*19.31808648*	*1.32474399*	*0.51453453*	*0.13769343*	*0.54773174*	
Int SD	*121.64240000*	*1142.12530*	*2039.15750*	*117.24421000*	*12.74309500*	*666.75900000*	
RelInt Mean	-0.00036143	0.00084356	0.13777951	0.01374813	0.00011974	0.10704433	
RelInt RSD	*99.48575171*	*41.46114841*	*1.58286722*	*1.14309347*	*27.40763777*	*0.11712449*	
RelInt SD	*0.00035957*	*0.00034975*	*0.00218087*	*0.00015715*	*0.00003282*	*0.00012538*	
Conc Mean	<0.00010503[mg/l]	<-0.00206332[mg/l]	1.55857920[mg/l]	0.22666888[mg/l]	<-0.00020944[mg/l]	3.77556480[mg/l]	
Conc RSD	*922.44264301*	*160.62776618*	*1.58903474*	*1.15652630*	*45.02609877*	*0.11699108*	
Conc SD	*0.00096884[mg/l]*	*0.00331426[mg/l]*	*0.02476637[mg/l]*	*0.00262149[mg/l]*	*0.00009430[mg/l]*	*0.00441707[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 467769-006	Client ID	: DOOR-N-0.1GE-EXT-5 TO 6-220822-L-DUP-CB
Seqnum	: 482338973062	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 295524	Time	: 23-AUG-2022 13:28
Cal	: 482338973001	Caldate	: 23-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.299	130	0.50	0.087	!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	970979	1067281	9.92

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467769-006,295524			Sample Type: Unknown Sample
Measure Date: 2022-08-23 13:28:52	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	61417.23000	4794.71830	7267.41890	9132.24310	11255.96900	91663.52800	9786.03240
Int RSD	*0.14133109*	*12.57019729*	*0.56620365*	*1.02113018*	*0.50858133*	*8.87855822*	*0.45057389*
Int SD	*86.80163800*	*602.70555000*	*41.14839100*	*93.25209000*	*57.24575700*	*8138.39970*	*44.09330700*
RelInt Mean	0.00003763	0.00800782	-0.00025683	0.00140965	0.00185517	0.23744955	0.00105133
RelInt RSD	*25.91371004*	*11.34190434*	*14.71023217*	*3.65676424*	*3.06039269*	*8.65404588*	*3.84254369*
RelInt SD	*0.00000975*	*0.00090824*	*0.00003778*	*0.00005155*	*0.00005678*	*0.02054899*	*0.00004040*
Conc Mean	<-0.00023984[mg/l]	0.93026836[mg/l]	<-0.00210473[mg/l]	0.00917899[mg/l]	0.00537161[mg/l]	11.74594000[mg/l]	0.00515660[mg/l]
Conc RSD	*133.98170125*	*13.54630829*	*57.83427241*	*4.99700425*	*3.43382991*	*8.70796803*	*3.88409299*
Conc SD	*0.00032135[mg/l]*	*0.12601702[mg/l]*	*0.00121726[mg/l]*	*0.00045867[mg/l]*	*0.00018445[mg/l]*	*1.02283270[mg/l]*	*0.00020029[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	11024.29500	208497	12848304	2917.81230	5172.16300	296206	6663.39780
Int RSD	*0.30778370*	*1.09364293*	*0.11652020*	*17.22322920*	*10.33450435*	*1.40235818*	*0.75912666*
Int SD	*33.93098300*	*2280.21260*	*14970.86900*	*502.54150000*	*534.51741000*	*4153.87130*	*50.58362900*
RelInt Mean	0.00329640	0.00850746	12.15758200	0.00716844	0.00837654	0.27044181	-0.00024092
RelInt RSD	*0.92618705*	*2.32767456*	*0.11292066*	*15.38579051*	*9.03789379*	*1.44293972*	*20.63055169*
RelInt SD	*0.00003053*	*0.00019803*	*0.01372842*	*0.00110292*	*0.00075706*	*0.00390231*	*0.00004970*
Conc Mean	0.02122974[mg/l]	0.18020658[mg/l]	37.24059300[mg/l]	5.18965350[mg/l]	2.30580740[mg/l]	0.16379238[mg/l]	<-0.00433192[mg/l]
Conc RSD	*0.93477211*	*2.55293436*	*0.11312484*	*18.63586789*	*9.17581841*	*1.44434479*	*7.89192573*
Conc SD	*0.00019845[mg/l]*	*0.00460056[mg/l]*	*0.04212836[mg/l]*	*0.96713697[mg/l]*	*0.21157670[mg/l]*	*0.00236573[mg/l]*	*0.00034187[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	62962.66700	20056.76800	61398.46200	7471.32970	6656.62730	9895.08160	7504.82120
Int RSD	*7.78089197*	*0.74193634*	*0.43187645*	*0.53332001*	*0.43773789*	*0.65947611*	*13.33351553*
Int SD	*4899.05710*	*148.80845000*	*265.16550000*	*39.84609600*	*29.13858000*	*65.25569900*	*1000.65650*
RelInt Mean	0.14368479	0.01019535	0.04870851	0.00021309	0.00001195	0.00078872	0.01632640
RelInt RSD	*6.72577132*	*1.71665433*	*0.53166032*	*21.46674024*	*394.67346672*	*11.41807801*	*13.11355140*
RelInt SD	*0.00966391*	*0.00017502*	*0.00025896*	*0.00004574*	*0.00004718*	*0.00009006*	*0.00214097*
Conc Mean	5.17005920[mg/l]	0.07354949[mg/l]	1.29930470[mg/l]	0.00450238[mg/l]	<-0.00143865[mg/l]	0.00758183[mg/l]	0.01228993[mg/l]
Conc RSD	*8.11155064*	*1.75854224*	*0.52873006*	*34.55982844*	*101.34950972*	*19.80537880*	*12.96427018*
Conc SD	*0.41937197[mg/l]*	*0.00129340[mg/l]*	*0.00686981[mg/l]*	*0.00155601[mg/l]*	*0.00145806[mg/l]*	*0.00150161[mg/l]*	*0.00159330[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	192977	6303.90250	18328.40900	1067281	18424803	386290	327184
Int RSD	*1.88091391*	*0.14905669*	*0.32273369*	*0.01092886*	*0.93256818*	*0.32363913*	*0.12578427*
Int SD	*3629.73330*	*9.39638840*	*59.15195100*	*116.64160000*	*171824*	*1250.18540*	*411.54648000*
RelInt Mean	0.00689170	-0.00095060	0.00019569	---	---	---	0.30347355
RelInt RSD	*3.50525939*	*0.89362676*	*0.85445470*	---	---	---	*0.13148238*
RelInt SD	*0.00024157*	*0.00000849*	*0.00000167*	---	---	---	*0.00039901*
Conc Mean	0.04732409[mg/l]	<-0.04979123[mg/l]	<-0.00095234[mg/l]	1055872	18345641	384801	0.80534534[mg/l]
Conc RSD	*4.16356981*	*1.08427101*	*26.96503481*	---	---	---	*0.13156767*
Conc SD	*0.00197037[mg/l]*	*0.00053987[mg/l]*	*0.00025680[mg/l]*	*99.12044900*	*171980*	*1027.70400*	*0.00105957[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	123.27508000	6138.77360	166250	24941.53500	9017.82020	121381	
Int RSD	*63.16985558*	*15.00797065*	*1.36175339*	*0.43754244*	*0.33867184*	*0.39909276*	
Int SD	*77.87269000*	*921.30534000*	*2263.90820*	*109.12980000*	*30.54081800*	*484.42174000*	
RelInt Mean	-0.00027766	0.00100951	0.14968330	0.01552041	0.00022519	0.10655761	
RelInt RSD	*43.78468490*	*22.42504257*	*1.38322772*	*0.46419766*	*8.96470522*	*0.42825407*	
RelInt SD	*0.00012157*	*0.00022638*	*0.00207046*	*0.00007205*	*0.00002019*	*0.00045634*	
Conc Mean	<0.00033074[mg/l]	<-0.00049078[mg/l]	1.69379420[mg/l]	0.25623228[mg/l]	0.00018239[mg/l]	3.75841710[mg/l]	
Conc RSD	*99.04056747*	*437.10218622*	*1.38852695*	*0.46902400*	*35.27250764*	*0.42776114*	
Conc SD	*0.00032757[mg/l]*	*0.00214522[mg/l]*	*0.02351879[mg/l]*	*0.00120179[mg/l]*	*0.00006433[mg/l]*	*0.01607705[mg/l]*	

ENTHALPY BLANK USER REPORT FOR 467769 METALS Wipe
EPA 6010B

Inst : MET06 Lab ID : QC1008205
Seqnum : 482338973056.1 Matrix : Wipe
File : met06_master Batch : 295524 Time : 23-AUG-2022 13:09
Cal : 482338973001 Caldate : 23-AUG-2022
IDF : 1.0 Raw Units : mg/l Units : ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Flags
Lead	A	0.0008732	ND	0.50	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	970979	1067561	9.95

u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BLANK,QC1008205,295524	Sample Type: Unknown Sample		
Measure Date: 2022-08-23 13:09:18	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	61995.17100	1669.09970	4940.22220	9432.47590	9274.57450	1676.72880	8598.78610
Int RSD	*0.29223447*	*11.62654334*	*0.46743719*	*0.83154796*	*0.71240904*	*14.71880187*	*0.61884180*
Int SD	*181.17126000*	*194.05860000*	*23.09243600*	*78.43556100*	*66.07290700*	*246.79439000*	*53.21288300*
RelInt Mean	0.00003621	0.00075667	-0.00024224	0.00183552	0.00016934	0.00369791	-0.00000443
RelInt RSD	*15.56782658*	*23.40216053*	*18.47765856*	*7.48209386*	*1.57366780*	*16.86861738*	*1359.32797*
RelInt SD	*0.00000564*	*0.00017708*	*0.00004476*	*0.00013733*	*0.00000266*	*0.00062379*	*0.00006017*
Conc Mean	<-0.00028655[mg/l]	<-0.07581921[mg/l]	<-0.00161629[mg/l]	0.01296833[mg/l]	<-0.00008922[mg/l]	0.11087497[mg/l]	<-0.00004585[mg/l]
Conc RSD	*64.83393423*	*32.40506370*	*89.20463896*	*9.42306441*	*10.30981144*	*28.00377218*	*655.27726015*
Conc SD	*0.00018578[mg/l]*	*0.02456926[mg/l]*	*0.00144181[mg/l]*	*0.00122201[mg/l]*	*0.00000920[mg/l]*	*0.03104917[mg/l]*	*0.00030045[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7540.90450	68101.35400	16523.86100	646.45378000	1855.01570	11364.75700	6464.82260
Int RSD	*0.38554237*	*1.41243361*	*1.17486186*	*21.33194890*	*10.19324257*	*0.40342689*	*1.35959854*
Int SD	*29.07338200*	*961.88641000*	*194.13254000*	*137.90119000*	*189.08625000*	*45.84848600*	*87.89563400*
RelInt Mean	0.00009613	0.00087931	0.00567770	0.00128129	-0.00016468	0.00101083	0.00041305
RelInt RSD	*34.93758160*	*7.00167127*	*4.57252838*	*18.62319067*	*59.40451054*	*1.67140283*	*32.64712910*
RelInt SD	*0.00003359*	*0.00006157*	*0.00025961*	*0.00023862*	*0.00009783*	*0.00001690*	*0.00013485*
Conc Mean	<0.00042805[mg/l]	0.00298893[mg/l]	<-0.05026428[mg/l]	<0.02728832[mg/l]	<-0.08121239[mg/l]	0.00045313[mg/l]	<0.00016632[mg/l]
Conc RSD	*50.99985467*	*47.85384500*	*1.58499237*	*766.77449670*	*33.66554167*	*2.26037294*	*557.67849767*
Conc SD	*0.00021831[mg/l]*	*0.00143032[mg/l]*	*0.00079669[mg/l]*	*0.20923984[mg/l]*	*0.02734059[mg/l]*	*0.00001024[mg/l]*	*0.00092755[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	17081.51800	9448.01140	9691.28560	6888.76890	5458.48280	5400.30770	1167.87250
Int RSD	*6.68909754*	*0.94851376*	*0.26422051*	*1.36991160*	*0.44419867*	*3.34829180*	*18.83168582*
Int SD	*1142.59940*	*89.61568800*	*25.60636400*	*94.37004400*	*24.24650800*	*180.81806000*	*219.93008000*
RelInt Mean	0.02468616	0.00033881	-0.00007326	0.00029174	0.00005719	0.00052877	-0.00022942
RelInt RSD	*2.37588412*	*6.14020011*	*60.35645956*	*27.14495152*	*130.63261304*	*36.18339857*	*149.32535173*
RelInt SD	*0.00058651*	*0.00002080*	*0.00004422*	*0.00007919*	*0.00007471*	*0.00019133*	*0.00034259*
Conc Mean	<0.00603219[mg/l]	<0.00070931[mg/l]	<0.00087322[mg/l]	0.00729794[mg/l]	<-0.00004072[mg/l]	<0.00324744[mg/l]	<-0.00003083[mg/l]
Conc RSD	*421.93973964*	*21.67442813*	*135.17529920*	*36.89144798*	*5669.79845*	*98.23756354*	*826.99840569*
Conc SD	*0.02545221[mg/l]*	*0.00015374[mg/l]*	*0.00118038[mg/l]*	*0.00269231[mg/l]*	*0.00230875[mg/l]*	*0.00319021[mg/l]*	*0.00025495[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	79817.45800	4925.54440	17832.36900	1067561	18150078	385193	6891.91250
Int RSD	*4.46515774*	*0.18498463*	*1.22949890*	*0.21430330*	*1.19658125*	*0.45987471*	*1.02709276*
Int SD	*3563.97540*	*9.11150000*	*219.24878000*	*2287.81910*	*217180*	*1771.40520*	*70.78633400*
RelInt Mean	0.00069645	-0.00044915	0.00018372	---	---	---	0.00062690
RelInt RSD	*29.84246049*	*7.35260272*	*4.20484654*	---	---	---	*2.20088307*
RelInt SD	*0.00020784*	*0.00003302*	*0.00000773*	---	---	---	*0.00001380*
Conc Mean	<-0.00320718[mg/l]	<-0.01805706[mg/l]	<-0.00279306[mg/l]	1056208	18070817	383707	0.00116316[mg/l]
Conc RSD	*52.85727230*	*11.51527500*	*42.48297098*	---	---	---	*3.15459481*
Conc SD	*0.00169523[mg/l]*	*0.00207932[mg/l]*	*0.00118657[mg/l]*	*2233.51770*	*217100*	*1629.80650*	*0.00003669[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	121.94728000	6067.80150	11166.06600	6123.62560	8922.92810	7620.06310	
Int RSD	*33.24385423*	*16.38587864*	*0.33100247*	*0.66191888*	*0.35267515*	*0.59895159*	
Int SD	*40.53997600*	*994.26259000*	*36.95995400*	*40.53343400*	*31.46895000*	*45.64048900*	
RelInt Mean	-0.00039149	0.00083918	0.00296444	0.00034006	0.00035025	0.00047388	
RelInt RSD	*8.72374298*	*30.51272447*	*1.41767740*	*14.47561819*	*12.24991777*	*14.32357068*	
RelInt SD	*0.00003415*	*0.00025606*	*0.00004203*	*0.00004923*	*0.00004290*	*0.00006788*	
Conc Mean	<0.00002405[mg/l]	<-0.00210491[mg/l]	0.02741289[mg/l]	<0.00300877[mg/l]	0.00055713[mg/l]	0.02098924[mg/l]	
Conc RSD	*382.67185097*	*115.27314534*	*1.66680913*	*27.29175362*	*22.27325089*	*11.39329613*	
Conc SD	*0.00009202[mg/l]*	*0.00242639[mg/l]*	*0.00045692[mg/l]*	*0.00082115[mg/l]*	*0.00012409[mg/l]*	*0.00239137[mg/l]*	

ENTHALPY SPIKE USER REPORT FOR 467769 METALS Wipe
EPA 6010B

Type : BS
Inst : MET06
Seqnum : 482338973057.1
File : met06_master
IDF : 1.0
Lab ID : QC1008206
Matrix : Wipe
Batch : 295524
Time : 23-AUG-2022 13:12
Cal : 482338973001
Units : ug/ft2

Type : BSD
Inst : MET06
Seqnum : 482338973058.1
File : met06_master
IDF : 1.0
Lab ID : QC1008207
Matrix : Wipe
Batch : 295524
Time : 23-AUG-2022 13:15
Cal : 482338973001

BS: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF
BSD: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Lead	100.0	1.046	104.6	A	105	1.026	102.6	A	103	80-120	2	20	!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	970979	1072343	10.44

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	970979	1065993	9.79

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BS,QC1008206,295524			Sample Type: Unknown Sample
Measure Date: 2022-08-23 13:12:34	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	351944	4812.91890	36977.46700	117066	343362	9885.88090	226269
Int RSD	*1.10514050*	*6.82591971*	*0.52072125*	*0.47044239*	*0.41939443*	*9.99101618*	*0.42654753*
Int SD	*3889.47390*	*328.52598000*	*192.54953000*	*550.72578000*	*1440.03980*	*987.69996000*	*965.14342000*
RelInt Mean	0.01582898	0.00862079	0.02985001	0.10310361	0.31482061	0.02573342	0.20480951
RelInt RSD	*1.58597397*	*9.57808246*	*0.50252241*	*0.47480589*	*0.25286495*	*11.75900172*	*0.54794223*
RelInt SD	*0.00025104*	*0.00082571*	*0.00015000*	*0.00048954*	*0.00079607*	*0.00302599*	*0.00112224*
Conc Mean	0.52020400[mg/l]	1.01531720[mg/l]	0.96687756[mg/l]	0.91405723[mg/l]	1.01231470[mg/l]	1.20769970[mg/l]	1.02426080[mg/l]
Conc RSD	*1.59048716*	*11.28373379*	*0.49997143*	*0.47655371*	*0.25484529*	*12.47162602*	*0.55309647*
Conc SD	*0.00827378[mg/l]*	*0.11456569[mg/l]*	*0.00483411[mg/l]*	*0.00435597[mg/l]*	*0.00257984[mg/l]*	*0.15061979[mg/l]*	*0.00566515[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	176243	845283	381639	4975.08030	3520.60650	1806973	164727
Int RSD	*0.66742484*	*1.24460500*	*0.55705362*	*9.66318513*	*7.12908443*	*0.23035019*	*0.73874974*
Int SD	*1176.29050*	*10520.43000*	*2125.93280*	*480.75122000*	*250.98701000*	*4162.36520*	*1216.92050*
RelInt Mean	0.15878966	0.04336522	0.34958308	0.01270769	0.00375789	1.69320620	0.14939991
RelInt RSD	*0.20287031*	*1.61350673*	*0.14248256*	*10.15780134*	*15.80721523*	*0.50152772*	*0.23818518*
RelInt SD	*0.00032214*	*0.00069970*	*0.00049809*	*0.00129082*	*0.00059402*	*0.00849190*	*0.00035585*
Conc Mean	1.03193410[mg/l]	0.99002402[mg/l]	1.00508690[mg/l]	10.04694800[mg/l]	1.01503210[mg/l]	1.02632590[mg/l]	1.02495840[mg/l]
Conc RSD	*0.20291088*	*1.64192774*	*0.15208005*	*11.26615466*	*16.35520295*	*0.50160621*	*0.23880576*
Conc SD	*0.00209391[mg/l]*	*0.01625548[mg/l]*	*0.00152854[mg/l]*	*1.13190470[mg/l]*	*0.16601056[mg/l]*	*0.00514811[mg/l]*	*0.00244766[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	27179.14000	159700	51623.71200	35228.69400	32323.52000	5082.57120	509561
Int RSD	*5.11831905*	*0.52047103*	*0.12429883*	*1.20535550*	*0.34513682*	*0.28846577*	*0.39457582*
Int SD	*1391.11510*	*831.19031000*	*64.16767200*	*424.63100000*	*111.56037000*	*14.66147800*	*2010.60470*
RelInt Mean	0.05146337	0.14164150	0.03919466	0.02683633	0.02527717	0.00009224	1.35151510
RelInt RSD	*2.77055209*	*0.20283821*	*0.73651320*	*0.93565876*	*0.21440392*	*38.84304331*	*0.20668502*
RelInt SD	*0.00142582*	*0.00028730*	*0.00028867*	*0.00025110*	*0.00005420*	*0.00003583*	*0.00279338*
Conc Mean	1.16804740[mg/l]	1.04494130[mg/l]	1.04601710[mg/l]	0.90357933[mg/l]	0.77934910[mg/l]	<-0.00403124[mg/l]	1.00593080[mg/l]
Conc RSD	*5.29725309*	*0.20318683*	*0.73652119*	*0.94488526*	*0.21490146*	*14.82030039*	*0.20665510*
Conc SD	*0.06187443[mg/l]*	*0.00212318[mg/l]*	*0.00770414[mg/l]*	*0.00853779[mg/l]*	*0.00167483[mg/l]*	*0.00059744[mg/l]*	*0.00207881[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2415680	21799.87200	141597	1072343	18284583	377525	422869
Int RSD	*2.03115284*	*0.19841257*	*1.67615857*	*0.58153362*	*0.50069171*	*0.59123515*	*0.25590508*
Int SD	*49066.15500*	*43.25368700*	*2373.39780*	*6236.03390*	*91549.39200*	*2232.06080*	*1082.14330*
RelInt Mean	0.12872105	0.01527137	0.00693616	---	---	---	0.39246390
RelInt RSD	*2.40563334*	*0.25938602*	*2.13256494*	---	---	---	*0.34028605*
RelInt SD	*0.00309656*	*0.00003961*	*0.00014792*	---	---	---	*0.00133550*
Conc Mean	1.04102020[mg/l]	0.96781975[mg/l]	1.03424820[mg/l]	1060813	18203956	375910	1.04114400[mg/l]
Conc RSD	*2.42617165*	*0.26203466*	*2.19732082*	---	---	---	*0.34064186*
Conc SD	*0.02525694[mg/l]*	*0.00253602[mg/l]*	*0.02272575[mg/l]*	*6210.56330*	*92060.97300*	*2226.52740*	*0.00354657[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	129999	43339.00500	389744	6633.84380	354856	7850.78990	
Int RSD	*0.98997137*	*9.06328837*	*0.57832639*	*0.93318599*	*0.52730659*	*0.67913924*	
Int SD	*1286.95070*	*3927.93900*	*2253.99100*	*61.90610100*	*1871.17850*	*53.31779500*	
RelInt Mean	0.34473979	0.09913068	0.35942277	0.00071057	0.32592236	0.00060001	
RelInt RSD	*1.34790594*	*8.61819994*	*0.03923366*	*5.36217002*	*0.05689883*	*5.97476952*	
RelInt SD	*0.00464677*	*0.00854328*	*0.00014101*	*0.00003810*	*0.00018545*	*0.00003585*	
Conc Mean	0.92995580[mg/l]	0.92930905[mg/l]	4.05263130[mg/l]	0.00918919[mg/l]	0.97728529[mg/l]	0.02543288[mg/l]	
Conc RSD	*1.34634345*	*8.71146805*	*0.03864655*	*6.91660560*	*0.05724862*	*4.96602901*	
Conc SD	*0.01252040[mg/l]*	*0.08095646[mg/l]*	*0.00156620[mg/l]*	*0.00063558[mg/l]*	*0.00055948[mg/l]*	*0.00126300[mg/l]*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BSD,QC1008207,295524			Sample Type: Unknown Sample
Measure Date: 2022-08-23 13:15:50	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	344874	4794.15180	36123.59800	114677	334992	9590.03890	220499
Int RSD	*1.44686080*	*8.62945099*	*0.48071604*	*0.31366276*	*0.39762347*	*10.75352051*	*0.67010207*
Int SD	*4989.85150*	*413.70898000*	*173.65193000*	*359.69908000*	*1332.00720*	*1031.26680*	*1477.57010*
RelInt Mean	0.01560095	0.00851546	0.02920868	0.10146316	0.30876076	0.02480153	0.20055187
RelInt RSD	*1.75820660*	*10.81177416*	*0.81698000*	*0.18879702*	*0.22138531*	*12.31742456*	*0.44166584*
RelInt SD	*0.00027430*	*0.00092067*	*0.00023863*	*0.00019156*	*0.00068355*	*0.00305491*	*0.00088577*
Conc Mean	0.51268851[mg/l]	1.00070280[mg/l]	0.94623978[mg/l]	0.89946042[mg/l]	0.99282519[mg/l]	1.16131440[mg/l]	1.00295270[mg/l]
Conc RSD	*1.76328348*	*12.76523859*	*0.81224072*	*0.18950457*	*0.22229378*	*13.09370830*	*0.43986304*
Conc SD	*0.00904015[mg/l]*	*0.12774210[mg/l]*	*0.00768574[mg/l]*	*0.00170452[mg/l]*	*0.00220699[mg/l]*	*0.15205912[mg/l]*	*0.00441162[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	171233	825366	369515	4806.36540	3549.17060	1762775	160418
Int RSD	*0.40418810*	*1.63704726*	*0.25084884*	*13.21454815*	*7.07474360*	*0.41109796*	*0.26914174*
Int SD	*692.10172000*	*13511.62900*	*926.92287000*	*635.13947000*	*251.09472000*	*7246.73080*	*431.75126000*
RelInt Mean	0.15490673	0.04273730	0.34016150	0.01240787	0.00379316	1.66147540	0.14620035
RelInt RSD	*0.29761683*	*1.88758710*	*0.21259083*	*13.11949115*	*12.32234792*	*0.23455086*	*0.03664200*
RelInt SD	*0.00046103*	*0.00080670*	*0.00072315*	*0.00162785*	*0.00046741*	*0.00389700*	*0.00005357*
Conc Mean	1.00669510[mg/l]	0.97543616[mg/l]	0.97617467[mg/l]	9.78404540[mg/l]	1.02488830[mg/l]	1.00708950[mg/l]	1.00295060[mg/l]
Conc RSD	*0.29767560*	*1.92133486*	*0.22733251*	*14.58946623*	*12.74541918*	*0.23458924*	*0.03674263*
Conc SD	*0.00299669[mg/l]*	*0.01874140[mg/l]*	*0.00221916[mg/l]*	*1.42744000[mg/l]*	*0.13062631[mg/l]*	*0.00236252[mg/l]*	*0.00036851[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	27393.67500	155525	50603.18400	35335.97800	31669.15400	5081.07330	498009
Int RSD	*7.01499634*	*0.34146737*	*0.28797660*	*0.14699322*	*0.16836790*	*0.39349114*	*0.20953658*
Int SD	*1921.66530*	*531.06833000*	*145.72533000*	*51.94149100*	*53.32068900*	*19.99357300*	*1043.51020*
RelInt Mean	0.05238256	0.13853065	0.03845204	0.02708266	0.02480697	0.00011654	1.32523460
RelInt RSD	*5.23365982*	*0.21904336*	*0.25434313*	*0.55960945*	*0.33058855*	*12.65281402*	*0.44979450*
RelInt SD	*0.00274153*	*0.00030344*	*0.00009780*	*0.00015156*	*0.00008201*	*0.00001475*	*0.00596083*
Conc Mean	1.20793630[mg/l]	1.02195200[mg/l]	1.02625050[mg/l]	0.91210083[mg/l]	0.76481830[mg/l]	<-0.00362621[mg/l]	0.98637295[mg/l]
Conc RSD	*9.84906075*	*0.21942901*	*0.25289372*	*0.56512552*	*0.33136932*	*6.78004627*	*0.44973252*
Conc SD	*0.11897038[mg/l]*	*0.00224246[mg/l]*	*0.00259532[mg/l]*	*0.00515451[mg/l]*	*0.00253437[mg/l]*	*0.00024586[mg/l]*	*0.00443604[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2361542	21357.87600	138385	1065993	18086039	376388	410505
Int RSD	*1.61611960*	*0.46250599*	*1.70221444*	*0.29415384*	*0.58519010*	*0.61264801*	*0.42782281*
Int SD	*38165.34800*	*98.78145500*	*2355.61660*	*3135.65930*	*105838*	*2305.93140*	*1756.23570*
RelInt Mean	0.12712923	0.01497343	0.00683999	---	---	---	0.38310976
RelInt RSD	*1.72777472*	*0.56167309*	*1.96162269*	---	---	---	*0.18450341*
RelInt SD	*0.00219651*	*0.00008410*	*0.00013417*	---	---	---	*0.00070685*
Conc Mean	1.02803660[mg/l]	0.94912491[mg/l]	1.01948070[mg/l]	1054445	18005318	374709	1.01631740[mg/l]
Conc RSD	*1.74271052*	*0.55827599*	*2.02208036*	---	---	---	*0.18456630*
Conc SD	*0.01791570[mg/l]*	*0.00529874[mg/l]*	*0.02061472[mg/l]*	*3088.86610*	*106040*	*2369.52050*	*0.00187578[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	126607	42995.95700	380399	6476.68390	344618	7605.34040	
Int RSD	*0.55532729*	*10.14314206*	*0.35760114*	*0.28326077*	*0.43061120*	*0.30521236*	
Int SD	*703.08072000*	*4361.14100*	*1360.31070*	*18.34590500*	*1483.96560*	*23.21243900*	
RelInt Mean	0.33674423	0.09864522	0.35270836	0.00057974	0.31815023	0.00037544	
RelInt RSD	*1.20068106*	*9.67963028*	*0.11005794*	*3.07211427*	*0.28193587*	*8.59564398*	
RelInt SD	*0.00404322*	*0.00954849*	*0.00038818*	*0.00001781*	*0.00089698*	*0.00003227*	
Conc Mean	0.90841231[mg/l]	0.92470876[mg/l]	3.97687130[mg/l]	0.00700676[mg/l]	0.95395958[mg/l]	0.01752118[mg/l]	
Conc RSD	*1.19925555*	*9.78490449*	*0.11103705*	*4.24007773*	*0.28182285*	*6.48910761*	
Conc SD	*0.01089419[mg/l]*	*0.09048187[mg/l]*	*0.00441580[mg/l]*	*0.00029709[mg/l]*	*0.00268848[mg/l]*	*0.00113697[mg/l]*	

ENTHALPY INITIAL CALIBRATION FOR 467769 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	482338973001	Date:	23-AUG-2022 09:33
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master	482338973002	L1	23-AUG-2022 09:37	S17110, S13369 (100X)
L2	met06_master	482338973003	L2	23-AUG-2022 09:40	S17109, S13369 (100X)
L3	met06_master	482338973004	L3	23-AUG-2022 09:43	S17108, S13369 (100X)
L4	met06_master	482338973005	L4	23-AUG-2022 09:46	S17107, S13369 (100X)

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	0.0223	0.0396	0.0393	0.0375	WB1K	0.00283	26.6219		0.0347	1.000		5	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
WB1K: Linear regression with ICALBLK weighting factor of 1000

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D
Lead	A	0.0033	**44**	0.1000	8	1.0000	5	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 467769 METALS Wipe
EPA 6010B

Inst : MET06
Calnum : 482338973001 Cal Date : 23-AUG-2022

ICV 482338973010 (23-AUG-2022) stds: S17024, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	1.041	mg/l	4	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICALBLK,CALBLANK			Sample Type: Calibration Sample
Measure Date: 2022-08-23 09:33:48	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	55161.56300	1638.25140	4515.37790	6938.65240	8203.59820	754.60694000	7614.11590
Int RSD	*0.87933950*	*15.81390500*	*0.72139063*	*0.22637958*	*0.94362068*	*15.81373609*	*0.37615993*
Int SD	*485.05741000*	*259.07152000*	*32.57351300*	*15.70769200*	*77.41084900*	*119.33155000*	*28.64125300*
RelInt Mean	0.00004490	0.00130310	-0.00019407	0.00037848	0.00018738	0.00146644	0.00000544
RelInt RSD	*24.33613782*	*22.72425977*	*9.60422905*	*15.81001255*	*20.89897445*	*26.33732007*	*443.81252046*
RelInt SD	*0.00001093*	*0.00029612*	*0.00001864*	*0.00005984*	*0.00003916*	*0.00038622*	*0.00002416*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6511.37000	59616.07400	30468.65500	586.17855000	1751.95740	9198.46710	5613.12840
Int RSD	*0.53368838*	*0.31431697*	*38.81505436*	*36.65035850*	*16.45473800*	*0.22013166*	*2.58216256*
Int SD	*34.75042500*	*187.38344000*	*11826.42500*	*214.83654000*	*288.28000000*	*20.24873800*	*144.94010000*
RelInt Mean	0.00002399	0.00075322	0.02206041	0.00125017	0.00012440	0.00017194	0.00038854
RelInt RSD	*32.31736313*	*2.03864862*	*56.33329488*	*35.42576468*	*141.78761901*	*21.29526761*	*45.95071252*
RelInt SD	*0.00000775*	*0.00001536*	*0.01242735*	*0.00044288*	*0.00017638*	*0.00003662*	*0.00017854*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	16132.24100	8347.79550	8429.68490	5893.08330	4729.51110	4702.28700	979.89382000
Int RSD	*6.60321030*	*0.80648731*	*0.25671387*	*0.29191586*	*1.48632540*	*1.86560905*	*17.89274169*
Int SD	*1065.24580*	*67.32391100*	*21.64017000*	*17.20284500*	*70.29592500*	*87.72629200*	*175.32987000*
RelInt Mean	0.02452178	0.00023845	-0.00010827	0.00007568	0.00005858	0.00033367	-0.00020615
RelInt RSD	*1.79742324*	*15.00242105*	*40.96287790*	*28.82524286*	*138.09401652*	*36.58643101*	*112.26970072*
RelInt SD	*0.00044076*	*0.00003577*	*0.00004435*	*0.00002181*	*0.00008089*	*0.00012208*	*0.00023144*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	78254.12500	4353.51900	16364.46300	970979	17553115	370837	5645.52260
Int RSD	*6.41975423*	*0.49484778*	*0.57455798*	*0.32531652*	*0.42123699*	*1.17838941*	*0.48942644*
Int SD	*5023.72250*	*21.54329200*	*94.02332800*	*3158.75630*	*73940.21400*	*4369.90840*	*27.63068000*
RelInt Mean	0.00108985	-0.00016276	0.00020187	---	---	---	0.00018701
RelInt RSD	*29.44119497*	*4.34586868*	*1.19803299*	---	---	---	*7.24237875*
RelInt SD	*0.00032087*	*0.00000707*	*0.00000242*	---	---	---	*0.00001354*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	76.62965400	5749.78810	7545.70660	5638.41100	7759.15410	6733.78040	
Int RSD	*62.03175340*	*14.52324373*	*0.27990432*	*1.77052031*	*0.09705890*	*0.56121769*	
Int SD	*47.53471800*	*835.05574000*	*21.12075900*	*99.82921200*	*7.53094960*	*37.79116700*	
RelInt Mean	-0.00040040	0.00106130	0.00055036	0.00015969	0.00016505	-0.00012188	
RelInt RSD	*26.66102536*	*22.52885669*	*9.17801133*	*75.49118676*	*11.38218127*	*24.42712619*	
RelInt SD	*0.00010675*	*0.00023910*	*0.00005051*	*0.00012055*	*0.00001879*	*0.00002977*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L1,S17110			Sample Type: Calibration Sample
Measure Date: 2022-08-23 09:37:05	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	57486.22900	1820.52760	4751.33520	7507.88350	9461.50340	1501.34880	8117.48560
Int RSD	*0.28892215*	*9.58244028*	*0.09889886*	*0.35025547*	*0.52907189*	*11.93799136*	*0.21726210*
Int SD	*166.09045000*	*174.45097000*	*4.69901630*	*26.29677300*	*50.05815500*	*179.23089000*	*17.63622000*
RelInt Mean	0.00004285	0.00159577	0.00000021	0.00076799	0.00129886	0.00334087	0.00033674
RelInt RSD	*45.57108644*	*32.87283702*	*8554.48267*	*4.74518679*	*0.74279046*	*8.13343207*	*2.34920218*
RelInt SD	*0.00001953*	*0.00052457*	*0.00001801*	*0.00003644*	*0.00000965*	*0.00027173*	*0.00000791*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7295.79450	63758.22900	20278.78600	854.05747000	2023.46340	15672.60600	5968.47360
Int RSD	*0.38456906*	*0.16721010*	*18.11858609*	*19.26330906*	*3.65179958*	*0.60055161*	*1.05543193*
Int SD	*28.05736800*	*106.61020000*	*3674.22930*	*164.51973000*	*73.89282800*	*94.12208800*	*62.99317600*
RelInt Mean	0.00065808	0.00085993	0.01090748	0.00182788	0.00044471	0.00645435	0.00065721
RelInt RSD	*2.13865434*	*0.64302149*	*34.88192052*	*19.40354539*	*45.51424459*	*1.15728249*	*10.23534579*
RelInt SD	*0.00001407*	*0.00000553*	*0.00380474*	*0.00035467*	*0.00020241*	*0.00007470*	*0.00006727*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	21034.67000	8971.58070	8764.14020	6239.82810	5098.05220	4757.47570	9309.33930
Int RSD	*9.09035939*	*0.65823049*	*0.64189011*	*0.84920572*	*0.81081043*	*0.37417484*	*11.70922194*
Int SD	*1912.12710*	*59.05368000*	*56.25614900*	*52.98897700*	*41.33553900*	*17.80127700*	*1090.05120*
RelInt Mean	0.03744732	0.00066023	0.00007443	0.00030670	0.00034867	0.00030783	0.02196518
RelInt RSD	*6.84824897*	*2.84759271*	*32.28236501*	*10.37447065*	*10.41482274*	*1.92499511*	*13.98588284*
RelInt SD	*0.00256449*	*0.00001880*	*0.00002403*	*0.00003182*	*0.00003631*	*0.00000593*	*0.00307202*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	75510.78600	4526.02900	17054.97900	994585	17763203	372492	10433.02100
Int RSD	*1.63110963*	*0.40258361*	*0.27377025*	*0.31287333*	*0.19692440*	*0.77476044*	*0.40869433*
Int SD	*1231.66370*	*18.22105100*	*46.69145800*	*3111.79120*	*34980.08100*	*2885.92120*	*42.63916500*
RelInt Mean	0.00078498	0.00001850	0.00020377	---	---	---	0.00490641
RelInt RSD	*9.48448773*	*25.85939455*	*4.96911806*	---	---	---	*1.10472757*
RelInt SD	*0.00007445*	*0.00000478*	*0.00001013*	---	---	---	*0.00005420*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	289.10775000	5832.02400	16832.51000	66382.00200	8503.40820	36256.42400	
Int RSD	*54.82242520*	*17.12901627*	*0.34454531*	*0.47716411*	*0.48481849*	*0.50993697*	
Int SD	*158.49588000*	*998.96834000*	*57.99562400*	*316.75109000*	*41.22609500*	*184.88491000*	
RelInt Mean	-0.00008103	0.00114088	0.00979514	0.06167094	0.00074995	0.02969549	
RelInt RSD	*225.12291507*	*21.16809657*	*0.79722008*	*0.66766392*	*4.14515659*	*0.86129138*	
RelInt SD	*0.00018242*	*0.00024150*	*0.00007809*	*0.00041175*	*0.00003109*	*0.00025576*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L2,S17109			Sample Type: Calibration Sample
Measure Date: 2022-08-23 09:40:22	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	58279.85000	2317.48140	7988.05510	18619.67200	40828.18500	762.38100000	18083.87600
Int RSD	*0.13212276*	*5.71837254*	*0.25113450*	*0.70090402*	*0.38303760*	*32.98313704*	*0.33765899*
Int SD	*77.00094900*	*132.52222000*	*20.06076200*	*130.50603000*	*156.38730000*	*251.45717000*	*61.06183300*
RelInt Mean	0.00003557	0.00281675	0.00320280	0.01193017	0.03299829	0.00137033	0.01031410
RelInt RSD	*48.07335676*	*3.69049439*	*0.54905150*	*0.99715277*	*0.49116883*	*23.71769838*	*0.58125022*
RelInt SD	*0.00001710*	*0.00010395*	*0.00001759*	*0.00011896*	*0.00016208*	*0.00032501*	*0.00005995*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	23464.01700	131443	83915.82600	722.48825000	1858.87360	182892	20417.77700
Int RSD	*0.88455741*	*0.88375377*	*3.19381495*	*21.39851963*	*15.60262408*	*0.19485686*	*0.76791577*
Int SD	*207.55270000*	*1161.63530*	*2680.11620*	*154.60179000*	*290.03306000*	*356.37701000*	*156.79133000*
RelInt Mean	0.01690552	0.00463197	0.07534656	0.00148838	0.00011399	0.17597473	0.01522575
RelInt RSD	*1.21006017*	*1.07330173*	*3.63381248*	*19.78073607*	*363.36718533*	*0.22277643*	*1.09890895*
RelInt SD	*0.00020457*	*0.00004972*	*0.00273795*	*0.00029441*	*0.00041420*	*0.00039203*	*0.00016732*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	17263.12600	22778.50300	12757.16200	14785.75000	14373.64000	10741.99300	256230
Int RSD	*9.03930667*	*0.49884859*	*0.96332672*	*0.40823447*	*1.04009193*	*0.48383321*	*0.28989965*
Int SD	*1560.46690*	*113.63024000*	*122.89315000*	*60.36052800*	*149.49907000*	*51.97333000*	*742.81059000*
RelInt Mean	0.02707453	0.01454299	0.00395856	0.00887344	0.00968776	0.00631993	0.69077238
RelInt RSD	*6.63441655*	*0.85640889*	*3.46720596*	*0.91133679*	*1.45497226*	*0.84584690*	*0.36173786*
RelInt SD	*0.00179624*	*0.00012455*	*0.00013725*	*0.00008087*	*0.00014095*	*0.00005346*	*0.00249879*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	289006	8961.19580	23141.69600	995231	17767945	370554	119156
Int RSD	*0.78544164*	*1.84856222*	*0.13289501*	*0.01125021*	*0.42289566*	*0.20700451*	*0.16356414*
Int SD	*2269.97120*	*165.65328000*	*30.75415900*	*111.96559000*	*75139.86900*	*767.06270000*	*194.89699000*
RelInt Mean	0.01278040	0.00445912	0.00053610	---	---	---	0.11515510
RelInt RSD	*0.68509424*	*3.78573346*	*0.43023178*	---	---	---	*0.18857811*
RelInt SD	*0.00008756*	*0.00016881*	*0.00000231*	---	---	---	*0.00021716*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6481.09320	9932.93350	8202.93710	5787.70150	25365.75700	6899.30020	
Int RSD	*5.11518581*	*8.29750073*	*0.41564488*	*1.68409674*	*0.53413553*	*0.70010131*	
Int SD	*331.51996000*	*824.18523000*	*34.09508800*	*97.47049200*	*135.48752000*	*48.30209100*	
RelInt Mean	0.01656634	0.01210506	0.00090637	0.00014224	0.01769955	-0.00017396	
RelInt RSD	*4.61541719*	*4.65536751*	*0.62599980*	*67.22163074*	*0.65478248*	*38.37785283*	
RelInt SD	*0.00076461*	*0.00056354*	*0.00000567*	*0.00009562*	*0.00011589*	*0.00006676*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L3,S17108			Sample Type: Calibration Sample
Measure Date: 2022-08-23 09:43:39	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	58777.09700	7030.74420	36948.41700	118179	324518	747.60644000	107288
Int RSD	*0.43788410*	*14.72874948*	*0.28392434*	*0.45579431*	*0.25634552*	*21.41043087*	*1.50776918*
Int SD	*257.37556000*	*1035.54070*	*104.90555000*	*538.65539000*	*831.88762000*	*160.06576000*	*1617.65570*
RelInt Mean	0.00004339	0.01566298	0.03223881	0.11197011	0.31829348	0.00147783	0.09987100
RelInt RSD	*42.79243462*	*14.92816024*	*0.13464844*	*0.28606692*	*0.06868201*	*31.41325972*	*1.83103148*
RelInt SD	*0.00001857*	*0.00233820*	*0.00004341*	*0.00032031*	*0.00021861*	*0.00046424*	*0.00182867*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	165229	784941	688423	619.02758000	1777.18370	1737320	150380
Int RSD	*0.28012539*	*1.49403275*	*0.22351880*	*29.57714744*	*12.08848022*	*0.45880256*	*0.44570132*
Int SD	*462.84734000*	*11727.27800*	*1538.75510*	*183.09070000*	*214.83450000*	*7970.86680*	*670.24574000*
RelInt Mean	0.15924047	0.04142748	0.68337584	0.00136607	-0.00014350	1.74011120	0.14581098
RelInt RSD	*0.38563463*	*1.45788139*	*0.00502232*	*28.32268768*	*39.95712763*	*0.41882013*	*0.57560161*
RelInt SD	*0.00061409*	*0.00060396*	*0.00003432*	*0.00038691*	*0.00005734*	*0.00728794*	*0.00083929*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	17427.48800	147304	48062.88800	95352.44900	101399	64923.25800	2464779
Int RSD	*10.10881316*	*0.33117460*	*0.21844255*	*0.26606039*	*0.23413827*	*0.44708842*	*0.48449360*
Int SD	*1761.71220*	*487.83429000*	*104.98980000*	*253.69510000*	*237.41436000*	*290.26437000*	*11941.69400*
RelInt Mean	0.02756128	0.13959175	0.03925493	0.08980911	0.09714215	0.06069684	6.71651590
RelInt RSD	*5.10917289*	*0.31818751*	*0.04016638*	*0.33674223*	*0.34218612*	*0.38661419*	*0.39913468*
RelInt SD	*0.00140815*	*0.00044416*	*0.00001577*	*0.00030243*	*0.00033241*	*0.00023466*	*0.02680794*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2264368	52059.83800	75563.40100	1002896	17783625	368128	1127586
Int RSD	*2.05504000*	*0.66778335*	*1.48040544*	*0.21613059*	*0.50831273*	*0.13582746*	*0.50004068*
Int SD	*46533.66400*	*347.64693000*	*1118.64470*	*2167.56570*	*90396.42900*	*500.01853000*	*5638.38920*
RelInt Mean	0.12410585	0.04767007	0.00348315	---	---	---	1.12974020
RelInt RSD	*1.99849217*	*0.95419751*	*1.27786476*	---	---	---	*0.45263245*
RelInt SD	*0.00248025*	*0.00045487*	*0.00004451*	---	---	---	*0.00511357*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	66003.72000	44616.68200	9635.16980	6206.89140	174576	7325.18640	
Int RSD	*10.74648293*	*10.97638188*	*0.40457325*	*0.63298788*	*0.36839058*	*0.89815196*	
Int SD	*7093.07850*	*4897.29740*	*38.98132000*	*39.28887000*	*643.11981000*	*65.79130500*	
RelInt Mean	0.17917544	0.10609167	0.00217558	0.00040863	0.16756252	0.00013017	
RelInt RSD	*10.88830143*	*9.45387513*	*3.51169381*	*7.96332944*	*0.19597356*	*45.58115472*	
RelInt SD	*0.01950916*	*0.01002977*	*0.00007640*	*0.00003254*	*0.00032838*	*0.00005933*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L4,S17107			Sample Type: Calibration Sample
Measure Date: 2022-08-23 09:46:55	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	65994.01800	53541.78100	309542	1109440	3043357	883.44531000	987525
Int RSD	*6.86553242*	*8.54322739*	*0.36629349*	*0.47243319*	*0.45411286*	*14.69074526*	*0.11299859*
Int SD	*4530.84070*	*4574.19610*	*1133.83190*	*5241.36140*	*13820.27500*	*129.78470000*	*1115.88950*
RelInt Mean	0.00014314	0.14545323	0.31007808	1.12429480	3.09578700	0.00184537	0.99801772
RelInt RSD	*190.50441159*	*9.18182979*	*0.40868606*	*0.55816586*	*0.55816059*	*13.35015093*	*0.11050480*
RelInt SD	*0.00027269*	*0.01335527*	*0.00126725*	*0.00627543*	*0.01727946*	*0.00024636*	*0.00110286*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	1516332	7553943	6418624	724.35864000	2030.51380	16166817	1431961
Int RSD	*0.39710825*	*1.95362467*	*0.41159167*	*20.55314616*	*2.17486096*	*0.27050293*	*0.60816455*
Int SD	*6021.47910*	*147576*	*26418.52200*	*148.87849000*	*44.16085200*	*43731.71300*	*8708.67790*
RelInt Mean	1.53792300	0.43141772	6.53854580	0.00151042	0.00017955	16.48579200	1.45420710
RelInt RSD	*0.47539822*	*2.20043057*	*0.46813428*	*16.58325169*	*68.75361280*	*0.07639998*	*0.61015159*
RelInt SD	*0.00731126*	*0.00949305*	*0.03060917*	*0.00025048*	*0.00012345*	*0.01259514*	*0.00887287*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	16533.33400	1336037	378296	872864	5741.30510	593387	21961262
Int RSD	*9.44399115*	*0.15281434*	*0.17117399*	*0.06684667*	*1.15885644*	*0.23921429*	*1.40216409*
Int SD	*1561.40660*	*2041.65550*	*647.54409000*	*583.48027000*	*66.53348400*	*1419.46600*	*307933*
RelInt Mean	0.02573402	1.35299280	0.37534156	0.88245943	0.00004913	0.60003048	61.38664700
RelInt RSD	*5.52879094*	*0.32674954*	*0.17472332*	*0.23563371*	*176.33497408*	*0.12345009*	*1.46483143*
RelInt SD	*0.00142278*	*0.00442090*	*0.00065581*	*0.00207937*	*0.00008663*	*0.00074074*	*0.89921090*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	21373034	472269	583680	991041	17413037	359240	10877824
Int RSD	*1.46338756*	*0.24493657*	*1.58951145*	*0.20658874*	*0.35311594*	*0.75602354*	*0.12390576*
Int SD	*312770*	*1156.75980*	*9277.66170*	*2047.37940*	*61488.21000*	*2715.93520*	*13478.25000*
RelInt Mean	1.22707580	0.47559526	0.03274276	---	---	---	11.09121600
RelInt RSD	*1.69198064*	*0.20129820*	*1.81097189*	---	---	---	*0.22159255*
RelInt SD	*0.02076189*	*0.00095736*	*0.00059296*	---	---	---	*0.02457731*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	664728	385802	23183.12200	10012.26100	1638477	9246.28010	
Int RSD	*0.42865830*	*0.63286291*	*0.56853926*	*0.51244765*	*0.50310532*	*1.22747850*	
Int SD	*2849.41270*	*2441.59890*	*131.80515000*	*51.30759600*	*8243.26340*	*113.49610000*	
RelInt Mean	1.85587450	1.05639930	0.01569329	0.00356462	1.66067910	0.00149757	
RelInt RSD	*0.45596454*	*0.25457931*	*1.20981070*	*1.28853655*	*0.59825485*	*10.31296315*	
RelInt SD	*0.00846213*	*0.00268937*	*0.00018986*	*0.00004593*	*0.00993509*	*0.00015444*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L5,S16645			Sample Type: Calibration Sample
Measure Date: 2022-08-23 09:50:13	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	1117723	1886.27660	4851.80740	9955.17360	8797.38390	874.29483000	8088.83450
Int RSD	*1.28916225*	*3.00416164*	*0.80776875*	*4.20566840*	*1.89610550*	*24.93118140*	*0.66564211*
Int SD	*14409.26300*	*56.66679800*	*39.19138400*	*418.68159000*	*166.80768000*	*217.97203000*	*53.84268900*
RelInt Mean	0.06072910	0.00122698	-0.00002573	0.00303993	0.00033714	0.00172786	0.00004637
RelInt RSD	*1.48943526*	*9.54314118*	*78.85729241*	*14.40290560*	*57.83385804*	*19.12566244*	*160.73417629*
RelInt SD	*0.00090452*	*0.00011709*	*0.00002029*	*0.00043784*	*0.00019498*	*0.00033047*	*0.00007453*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7173.76910	68893.32100	15448.43200	863.47210000	1953.83200	10580.59400	8923.78080
Int RSD	*2.95117109*	*7.22866401*	*15.98315026*	*24.04475952*	*1.20134208*	*5.28113941*	*16.92388051*
Int SD	*211.71020000*	*4980.06670*	*2469.14610*	*207.61979000*	*23.47220600*	*558.77592000*	*1510.25000*
RelInt Mean	0.00028708	0.00111217	0.00573921	0.00183983	-0.00027606	0.00099986	0.00345699
RelInt RSD	*70.71207071*	*26.57702221*	*44.89019451*	*28.50364743*	*138.79792061*	*55.74928822*	*45.40882628*
RelInt SD	*0.00020300*	*0.00029558*	*0.00257634*	*0.00052442*	*0.00038316*	*0.00055742*	*0.00156978*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	18826.18600	8842.22410	8930.38270	6436.26930	4931.11890	5345.66050	1845.98280
Int RSD	*8.54522419*	*0.53077391*	*0.16322513*	*1.81215444*	*0.86572108*	*6.11512609*	*2.56095436*
Int SD	*1608.73980*	*46.93221900*	*14.57662900*	*116.63514000*	*42.68973600*	*326.89388000*	*47.27477700*
RelInt Mean	0.03151069	0.00026656	-0.00008926	0.00030604	-0.00000136	0.00076347	0.00131085
RelInt RSD	*5.13809519*	*21.88987178*	*33.53466361*	*44.92167651*	*4167.68719*	*45.13084155*	*20.91003915*
RelInt SD	*0.00161905*	*0.00005835*	*0.00002993*	*0.00013748*	*0.00005668*	*0.00034456*	*0.00027410*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	116085	6787.15190	17832.93800	989476	17490125	362444	6661.64520
Int RSD	*12.29467020*	*22.12731676*	*1.95577066*	*0.27707224*	*0.16285635*	*0.46988883*	*5.79803680*
Int SD	*14272.32200*	*1501.81460*	*348.77137000*	*2741.56260*	*28483.78000*	*1703.08320*	*386.24464000*
RelInt Mean	0.00304281	0.00215433	0.00023363	---	---	---	0.00090510
RelInt RSD	*27.18838294*	*71.55579497*	*11.27043093*	---	---	---	*39.90934037*
RelInt SD	*0.00082729*	*0.00154155*	*0.00002633*	---	---	---	*0.00036122*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	243.21480000	5907.23700	7874.53520	5787.82810	8317.35570	6918.81880	
Int RSD	*59.74131920*	*17.33693603*	*0.16868889*	*1.53896915*	*0.38975309*	*0.07239674*	
Int SD	*145.29973000*	*1024.13390*	*13.28346600*	*89.07288900*	*32.41715100*	*5.00899940*	
RelInt Mean	-0.00047121	0.00085767	0.00044326	0.00007507	0.00030731	-0.00016160	
RelInt RSD	*90.61827681*	*7.50301688*	*1.44797106*	*121.92148909*	*6.69710820*	*11.13352682*	
RelInt SD	*0.00042700*	*0.00006435*	*0.00000642*	*0.00009153*	*0.00002058*	*0.00001799*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L6,S17115			Sample Type: Calibration Sample
Measure Date: 2022-08-23 09:53:29	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	59593.71700	2220.77570	4856.55430	8681.40420	8818.45340	73722.87400	8156.17320
Int RSD	*0.17762448*	*13.43712830*	*0.93280118*	*1.11316874*	*0.10403782*	*10.40626712*	*0.35340603*
Int SD	*105.85303000*	*298.40848000*	*45.30199600*	*96.63867800*	*9.17452650*	*7671.79920*	*28.82440800*
RelInt Mean	0.00006889	0.00119536	-0.00009304	0.00161339	0.00015916	0.20654422	-0.00002376
RelInt RSD	*25.16959866*	*31.84090519*	*65.79199423*	*7.23693220*	*25.33551556*	*10.09871058*	*133.05864280*
RelInt SD	*0.00001734*	*0.00038061*	*0.00006121*	*0.00011676*	*0.00004032*	*0.02085830*	*0.00003162*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7090.41330	62444.66000	13432.90100	21375.63300	15401.58700	10006.89800	6154.91360
Int RSD	*0.34967148*	*0.38090962*	*5.11478801*	*6.73469413*	*3.12034961*	*0.11598854*	*2.06147865*
Int SD	*24.79315300*	*237.85772000*	*687.06441000*	*1439.58350*	*480.58336000*	*11.60685500*	*126.88223000*
RelInt Mean	0.00011323	0.00071384	0.00357280	0.05951517	0.03750522	0.00023953	0.00057017
RelInt RSD	*26.48325039*	*1.13328395*	*21.13591203*	*6.07827725*	*4.41295235*	*20.12941774*	*25.61843348*
RelInt SD	*0.00002999*	*0.00000809*	*0.00075514*	*0.00361750*	*0.00165509*	*0.00004822*	*0.00014607*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	438643	8972.41090	9100.92050	6324.56270	4994.18440	4883.48080	1464.97310
Int RSD	*0.84851133*	*0.63888144*	*0.60813665*	*0.62937491*	*0.69011375*	*0.81086161*	*15.08732959*
Int SD	*3721.93520*	*57.32306800*	*55.34603300*	*39.80521100*	*34.46555300*	*39.59827100*	*221.02532000*
RelInt Mean	1.21094230	0.00024688	-0.00006687	0.00009024	0.00002198	0.00022741	0.00036756
RelInt RSD	*0.04499020*	*35.97700400*	*98.16236539*	*55.68762661*	*104.50793703*	*17.76817312*	*108.71893238*
RelInt SD	*0.00054481*	*0.00008882*	*0.00006564*	*0.00005025*	*0.00002297*	*0.00004041*	*0.00039961*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	76897.02800	4637.00280	17442.21800	982221	17346598	356815	6215.95250
Int RSD	*1.73208736*	*0.25057904*	*0.79941473*	*0.31422639*	*0.85766033*	*0.70652611*	*0.29628150*
Int SD	*1331.92370*	*11.61935700*	*139.43566000*	*3086.39630*	*148775*	*2520.99120*	*18.41671700*
RelInt Mean	0.00076908	-0.00010641	0.00019297	---	---	---	0.00037844
RelInt RSD	*12.37590655*	*15.91122053*	*2.19467304*	---	---	---	*7.38667600*
RelInt SD	*0.00009518*	*0.00001693*	*0.00000424*	---	---	---	*0.00002795*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	193.56103000	6043.58780	864820	5968.69770	8297.17850	6997.04470	
Int RSD	*58.35248965*	*16.55840592*	*0.44694878*	*0.23526450*	*0.56566975*	*0.72803648*	
Int SD	*112.94768000*	*1000.72180*	*3865.30240*	*14.04222700*	*46.93462900*	*50.94103800*	
RelInt Mean	-0.00054468	0.00109591	0.88106776	0.00018962	0.00017355	-0.00019073	
RelInt RSD	*112.14689739*	*16.21321203*	*0.15313101*	*5.95802199*	*16.37011278*	*27.00399876*	
RelInt SD	*0.00061084*	*0.00017768*	*0.00134919*	*0.00001130*	*0.00002841*	*0.00005151*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L7,S17113			Sample Type: Calibration Sample
Measure Date: 2022-08-23 09:56:45	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	59194.85500	1910.48030	4797.12000	8172.43290	8653.97530	840.64280000	8134.94740
Int RSD	*0.49710734*	*6.90071444*	*0.71764623*	*0.32318650*	*0.21235827*	*8.83422959*	*0.43818100*
Int SD	*294.26197000*	*131.83679000*	*34.42635100*	*26.41220000*	*18.37743200*	*74.26431500*	*35.64579400*
RelInt Mean	0.00005214	0.00116533	-0.00012858	0.00113191	0.00012661	0.00150480	0.00001113
RelInt RSD	*9.60514040*	*23.52348882*	*14.33180413*	*1.88220328*	*18.70635225*	*17.91987429*	*245.19927239*
RelInt SD	*0.00000501*	*0.00027413*	*0.00001843*	*0.00002130*	*0.00002369*	*0.00026966*	*0.00002730*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7077.75600	62207.34800	11946.25800	975.46175000	2144.80080	10034.44100	5760.11460
Int RSD	*0.43690452*	*0.64731226*	*3.48093185*	*25.33107731*	*8.02908410*	*0.25154198*	*0.46067146*
Int SD	*30.92303600*	*402.67579000*	*415.84110000*	*247.09497000*	*172.20786000*	*25.24083200*	*26.53520400*
RelInt Mean	0.00013448	0.00069167	0.00203239	0.00208897	0.00016600	0.00035755	0.00020005
RelInt RSD	*17.54640485*	*1.15785392*	*20.71793846*	*26.45238739*	*52.56362284*	*4.87180041*	*35.85731449*
RelInt SD	*0.00002360*	*0.00000801*	*0.00042107*	*0.00055258*	*0.00008726*	*0.00001742*	*0.00007173*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	20640.72500	8874.34900	8973.61990	6214.20430	4994.60200	4685.03120	1320.47690
Int RSD	*8.55978945*	*0.82095985*	*0.03494372*	*0.76918974*	*0.54585859*	*0.56662397*	*1.02102112*
Int SD	*1766.80260*	*72.85484200*	*3.13571700*	*47.79902200*	*27.26346400*	*26.54651000*	*13.48234800*
RelInt Mean	0.03585609	0.00019029	-0.00009658	0.00002470	0.00002492	0.00005841	-0.00015034
RelInt RSD	*6.16891781*	*38.18903367*	*2.63406545*	*72.81474690*	*215.64360993*	*45.14231289*	*129.82738544*
RelInt SD	*0.00221193*	*0.00007267*	*0.00000254*	*0.00001799*	*0.00005373*	*0.00002637*	*0.00019518*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	65002.37000	4568.99630	17238.66400	1002995	17736144	364969	6147.59650
Int RSD	*0.51593148*	*0.35041477*	*1.31343166*	*0.62274869*	*0.20858212*	*1.04431408*	*0.98004619*
Int SD	*335.36769000*	*16.01043800*	*226.41807000*	*6246.13760*	*36994.42500*	*3811.42170*	*60.24928500*
RelInt Mean	0.00008968	-0.00015177	0.00019230	---	---	---	0.00033481
RelInt RSD	*5.86513126*	*19.11155442*	*4.93186288*	---	---	---	*17.68856404*
RelInt SD	*0.00000526*	*0.00002901*	*0.00000948*	---	---	---	*0.00005922*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	264.08190000	6082.84320	8444.68890	601470	8261.60880	288924	
Int RSD	*59.79555964*	*18.28876339*	*1.15245858*	*0.71944494*	*0.72258178*	*0.62597707*	
Int SD	*157.90925000*	*1112.47680*	*97.32154200*	*4327.24410*	*59.69688000*	*1808.59660*	
RelInt Mean	-0.00036556	0.00073981	0.00095038	0.59964384	0.00015871	0.28371965	
RelInt RSD	*72.71523931*	*8.17086110*	*12.35358036*	*0.30859056*	*55.76325994*	*0.24834510*	
RelInt SD	*0.00026582*	*0.00006045*	*0.00011741*	*0.00185044*	*0.00008850*	*0.00070460*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L8,S17048			Sample Type: Calibration Sample
Measure Date: 2022-08-23 10:00:01	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	58755.13600	5954.98370	5115.29720	8510.90470	9108.90910	1372076	8411.79890
Int RSD	*0.82091503*	*6.87195701*	*0.33091804*	*0.48111077*	*0.23337112*	*0.37214478*	*0.29177623*
Int SD	*482.32974000*	*409.22392000*	*16.92744100*	*40.94687900*	*21.25756300*	*5106.10740*	*24.54363000*
RelInt Mean	0.00003860	-0.00295232	-0.00009540	0.00099177	0.00024340	4.01931230	-0.00002098
RelInt RSD	*49.42134537*	*44.90974474*	*35.00585787*	*4.59631503*	*9.89990174*	*0.73881758*	*151.02548439*
RelInt SD	*0.00001908*	*0.00132588*	*0.00003340*	*0.00004558*	*0.00002410*	*0.02969539*	*0.00003169*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7504.51930	62686.85000	12307.45600	78433.30800	246938	10681.64900	5868.82960
Int RSD	*0.48822286*	*0.53619313*	*2.57823696*	*13.61603160*	*0.88398066*	*0.04914503*	*0.50223842*
Int SD	*36.63877900*	*336.12258000*	*317.31538000*	*10679.50400*	*2182.88700*	*5.24950000*	*29.47551700*
RelInt Mean	0.00003426	0.00072868	0.00198368	0.22932975	0.71568129	0.00052835	0.00002740
RelInt RSD	*90.77876235*	*1.00731216*	*17.52082931*	*14.11123720*	*0.55375644*	*3.63864719*	*104.99695427*
RelInt SD	*0.00003110*	*0.00000734*	*0.00034756*	*0.03236127*	*0.00396313*	*0.00001922*	*0.00002876*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	1588855	9182.26020	9310.26970	6437.62690	5099.87040	4880.33890	2264.86570
Int RSD	*0.37343098*	*0.16578888*	*0.30720219*	*0.22994399*	*0.68222314*	*0.70723259*	*8.98285713*
Int SD	*5933.27560*	*15.22316600*	*28.60135200*	*14.80293600*	*34.79249600*	*34.51534700*	*203.44965000*
RelInt Mean	4.62447770	0.00018073	-0.00009271	0.00004600	-0.00000658	0.00004874	0.00310088
RelInt RSD	*0.42935175*	*5.44441436*	*30.10728400*	*45.06421122*	*436.66748326*	*62.38373450*	*16.27067041*
RelInt SD	*0.01985528*	*0.00000984*	*0.00002791*	*0.00002073*	*0.00002873*	*0.00003041*	*0.00050453*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	67370.76300	4739.54490	18281.75600	947095	17062837	342699	6441.12210
Int RSD	*0.46498666*	*0.15209732*	*0.56871621*	*0.17645454*	*0.17547598*	*0.55982517*	*0.74666642*
Int SD	*313.26506000*	*7.20872060*	*103.97131000*	*1671.19230*	*29941.18000*	*1918.51790*	*48.09369600*
RelInt Mean	0.00016747	-0.00013659	0.00020067	---	---	---	0.00045316
RelInt RSD	*5.03472161*	*22.50492954*	*4.24060357*	---	---	---	*9.61694899*
RelInt SD	*0.00000843*	*0.00003074*	*0.00000851*	---	---	---	*0.00004358*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	155.76533000	5908.58720	8650.31640	6239.43870	8560.17730	7345.99180	
Int RSD	*101.05762303*	*19.05905358*	*0.44677050*	*0.99749117*	*0.26307094*	*0.80846977*	
Int SD	*157.41274000*	*1126.12080*	*38.64706200*	*62.23785000*	*22.51933900*	*59.39012300*	
RelInt Mean	-0.00046006	0.00146554	0.00060051	0.00032945	0.00014157	-0.00007967	
RelInt RSD	*18.77722996*	*25.37685239*	*12.89961817*	*19.38415004*	*34.23784557*	*114.11353732*	
RelInt SD	*0.00008639*	*0.00037191*	*0.00007746*	*0.00006386*	*0.00004847*	*0.00009092*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICV,S17024			Sample Type: Control Sample
Measure Date: 2022-08-23 10:03:29	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	343814	7166.62540	36592.49000	118161	311644	736381	198031
Int RSD	*1.52567928*	*1.14808353*	*0.13076299*	*0.30453870*	*0.04170993*	*0.40744350*	*0.24533577*
Int SD	*5245.49210*	*82.27884600*	*47.84943300*	*359.84475000*	*129.98645000*	*3000.33720*	*485.84166000*
RelInt Mean	0.01656005	0.00916026	0.03267357	0.11533001	0.31561199	2.12912110	0.19746964
RelInt RSD	*2.39722137*	*3.45841642*	*0.21478492*	*0.21963439*	*0.18037609*	*0.59125242*	*0.37725246*
RelInt SD	*0.00039698*	*0.00031680*	*0.00007018*	*0.00025330*	*0.00056929*	*0.01258848*	*0.00074496*
Conc Mean	0.54429805[mg/l]	1.09016780[mg/l]	1.05786320[mg/l]	1.02284840[mg/l]	1.01477000[mg/l]	105.90451000[mg/l]	0.98751991[mg/l]
Conc RSD	*2.40374038*	*4.03199948*	*0.21380514*	*0.22035561*	*0.17904369*	*0.59166160*	*0.37499849*
Conc SD	*0.01308351[mg/l]*	*0.04395556[mg/l]*	*0.00226177[mg/l]*	*0.00225390[mg/l]*	*0.00181688[mg/l]*	*0.62659632[mg/l]*	*0.00370318[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	155552	831581	342207	45113.97700	127306	1610843	153004
Int RSD	*0.28733607*	*2.22760234*	*0.05431734*	*9.47200532*	*0.61332966*	*0.26867226*	*0.43211540*
Int SD	*446.95769000*	*18524.31000*	*185.87796000*	*4273.19830*	*780.80527000*	*4327.88860*	*661.15298000*
RelInt Mean	0.15424228	0.04542356	0.34594440	0.12980001	0.36096526	1.66937430	0.15338341
RelInt RSD	*0.36619216*	*2.77698085*	*0.12762438*	*9.81036134*	*0.40692534*	*0.19849580*	*0.56361265*
RelInt SD	*0.00056482*	*0.00126140*	*0.00044151*	*0.01273385*	*0.00146886*	*0.00331364*	*0.00086449*
Conc Mean	1.00237610[mg/l]	1.03784360[mg/l]	0.99392080[mg/l]	112.72367000[mg/l]	100.84398000[mg/l]	1.01187820[mg/l]	1.05235860[mg/l]
Conc RSD	*0.36626266*	*2.82364086*	*0.13631586*	*9.90576957*	*0.40706898*	*0.19852968*	*0.56504536*
Conc SD	*0.00367133[mg/l]*	*0.02930498[mg/l]*	*0.00135487[mg/l]*	*11.16614700[mg/l]*	*0.41050456[mg/l]*	*0.00200888[mg/l]*	*0.00594630[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	846717	138623	46965.18300	35837.57200	36136.09500	298416	471243
Int RSD	*0.22535059*	*0.14429390*	*0.74971762*	*0.42197873*	*0.12096925*	*0.12163126*	*0.22913396*
Int SD	*1908.08190*	*200.02420000*	*352.10625000*	*151.22693000*	*43.71356400*	*362.96742000*	*1079.77850*
RelInt Mean	2.42282130	0.13495060	0.03898865	0.03056047	0.03224341	0.30616471	1.35958570
RelInt RSD	*0.38859423*	*0.15717388*	*0.96713723*	*0.54057213*	*0.21032694*	*0.07477223*	*0.24654419*
RelInt SD	*0.00941494*	*0.00021211*	*0.00037707*	*0.00016520*	*0.00006782*	*0.00022893*	*0.00335198*
Conc Mean	104.07475000[mg/l]	0.99549526[mg/l]	1.04051800[mg/l]	1.03034760[mg/l]	0.99463159[mg/l]	5.09942600[mg/l]	1.01193690[mg/l]
Conc RSD	*0.39257480*	*0.15745398*	*0.96456822*	*0.54692283*	*0.21071011*	*0.07485377*	*0.24650992*
Conc SD	*0.40857124[mg/l]*	*0.00156745[mg/l]*	*0.01003651[mg/l]*	*0.00563521[mg/l]*	*0.00209579[mg/l]*	*0.00381711[mg/l]*	*0.00249452[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2236056	20858.51000	130742	969322	17218192	347230	365098
Int RSD	*1.91537958*	*0.74554611*	*2.43426856*	*0.12907968*	*0.61396783*	*0.21074712*	*0.10253589*
Int SD	*42828.96200*	*155.50981000*	*3182.60240*	*1251.19720*	*105714*	*731.77630000*	*374.35622000*
RelInt Mean	0.12649276	0.01651263	0.00676456	---	---	---	0.37436941
RelInt RSD	*2.46101816*	*1.01200772*	*3.13490339*	---	---	---	*0.17425160*
RelInt SD	*0.00311301*	*0.00016711*	*0.00021206*	---	---	---	*0.00065234*
Conc Mean	1.02284520[mg/l]	1.04605920[mg/l]	1.00787270[mg/l]	958608	17139426	345565	0.99311002[mg/l]
Conc RSD	*2.48240428*	*1.00209376*	*3.23245664*	---	---	---	*0.17443153*
Conc SD	*0.02539115[mg/l]*	*0.01048249[mg/l]*	*0.03257905[mg/l]*	*1270.35810*	*105950*	*571.58817000*	*0.00173230[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	126752	45469.19700	453452	313977	347427	7481.20170	
Int RSD	*0.05865224*	*2.67265859*	*0.06935125*	*0.12436534*	*0.04069095*	*0.41980337*	
Int SD	*74.34288300*	*1215.23640*	*314.47472000*	*390.47891000*	*141.37147000*	*31.40633700*	
RelInt Mean	0.36541411	0.11449712	0.46429798	0.32095207	0.35312922	0.00002861	
RelInt RSD	*0.42420368*	*4.65664586*	*0.12064155*	*0.13649191*	*0.11635712*	*147.53386504*	
RelInt SD	*0.00155010*	*0.00533173*	*0.00056014*	*0.00043807*	*0.00041089*	*0.00004221*	
Conc Mean	0.98566128[mg/l]	1.07492200[mg/l]	5.24307810[mg/l]	5.35114020[mg/l]	1.05887030[mg/l]	<0.00530195[mg/l]	
Conc RSD	*0.42373916*	*4.70021527*	*0.11915395*	*0.13656030*	*0.11619056*	*28.05001312*	
Conc SD	*0.00417663[mg/l]*	*0.05052365[mg/l]*	*0.00624733[mg/l]*	*0.00730753[mg/l]*	*0.00123031[mg/l]*	*0.00148720[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 467769 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973012 File : met06_master Time : 23-AUG-2022 10:10
Cal : 482338973001 Caldate : 23-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18422473	4.95
Yttrium	A	970979	1053037	8.45
Yttrium	R	370837	372579	0.47

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICB,1			Sample Type: Control Sample
Measure Date: 2022-08-23 10:10:01	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	61698.32700	1940.33340	4885.38910	7916.17140	8866.53170	1050.75380	8286.46820
Int RSD	*0.70256156*	*3.34208353*	*0.55824913*	*0.37849600*	*0.29098106*	*3.33713454*	*0.67386154*
Int SD	*433.46873000*	*64.84756300*	*27.27264200*	*29.96239200*	*25.79992800*	*35.06506800*	*55.83932200*
RelInt Mean	0.00004376	0.00117423	-0.00009680	0.00061377	0.00016416	0.00193763	-0.00001645
RelInt RSD	*46.57624195*	*25.76822327*	*40.70443534*	*6.60842180*	*20.36660909*	*8.49724147*	*386.33266771*
RelInt SD	*0.00002038*	*0.00030258*	*0.00003940*	*0.00004056*	*0.00003343*	*0.00016464*	*0.00006354*
Conc Mean	<-0.00003767[mg/l]	<-0.01788289[mg/l]	<0.00306930[mg/l]	0.00209720[mg/l]	<-0.00009428[mg/l]	<0.02325622[mg/l]	<-0.00009583[mg/l]
Conc RSD	*1783.09108*	*234.76334423*	*41.34846842*	*17.20919099*	*113.63797592*	*35.23894359*	*332.05101900*
Conc SD	*0.00067174[mg/l]*	*0.04198248[mg/l]*	*0.00126911[mg/l]*	*0.00036091[mg/l]*	*0.00010713[mg/l]*	*0.00819525[mg/l]*	*0.00031822[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7221.96310	64023.21900	10889.24800	1369.60410	2227.52870	10226.61900	5632.37960
Int RSD	*0.48392612*	*0.39250821*	*0.41990964*	*23.32294201*	*0.73525441*	*0.38057810*	*0.24042462*
Int SD	*34.94896600*	*251.29639000*	*45.72500200*	*319.43197000*	*16.37800300*	*38.92027200*	*13.54162700*
RelInt Mean	0.00003822	0.00064761	0.00061285	0.00311503	0.00009853	0.00022693	-0.00004994
RelInt RSD	*122.52523915*	*2.05957109*	*7.42906079*	*24.93590698*	*80.94064112*	*15.29128427*	*79.57007959*
RelInt SD	*0.00004683*	*0.00001334*	*0.00004553*	*0.00077676*	*0.00007975*	*0.00003470*	*0.00003974*
Conc Mean	<0.00005164[mg/l]	<-0.00239405[mg/l]	<-0.06580691[mg/l]	<1.63527700[mg/l]	<-0.00765278[mg/l]	<-0.00002210[mg/l]	<-0.00301834[mg/l]
Conc RSD	*589.49257806*	*12.94325351*	*0.21231118*	*41.65243014*	*291.22925608*	*95.19525916*	*9.05627550*
Conc SD	*0.00030439[mg/l]*	*0.00030987[mg/l]*	*0.00013972[mg/l]*	*0.68113261[mg/l]*	*0.02228714[mg/l]*	*0.00002104[mg/l]*	*0.00027335[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	29188.41100	9013.03960	9212.38250	6289.50100	5019.95460	4697.17410	1362.06430
Int RSD	*9.35745320*	*0.38436632*	*0.75852762*	*0.39107991*	*0.27374387*	*0.23968837*	*7.54106763*
Int SD	*2731.29190*	*34.64308900*	*69.87846600*	*24.59697500*	*13.74181800*	*11.25858000*	*102.71419000*
RelInt Mean	0.05752406	0.00017750	-0.00004488	-0.00003377	0.00000615	-0.00000635	-0.00005904
RelInt RSD	*8.50181303*	*13.91270530*	*122.26269674*	*97.58340263*	*160.62224817*	*128.02867449*	*627.70647734*
RelInt SD	*0.00489059*	*0.00002469*	*0.00005487*	*0.00003295*	*0.00000988*	*0.00000812*	*0.00037061*
Conc Mean	1.43105520[mg/l]	<-0.00048278[mg/l]	<0.00161714[mg/l]	<-0.00376490[mg/l]	<-0.00161802[mg/l]	<-0.00567514[mg/l]	<0.00009597[mg/l]
Conc RSD	*14.83034547*	*37.80128454*	*89.87095549*	*29.79221663*	*18.86783997*	*2.38698862*	*287.39694976*
Conc SD	*0.21223043[mg/l]*	*0.00018250[mg/l]*	*0.00145334[mg/l]*	*0.00112165[mg/l]*	*0.00030529[mg/l]*	*0.00013546[mg/l]*	*0.00027581[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	65494.65500	4579.30830	17971.26900	1053037	18422473	372579	6209.65560
Int RSD	*0.93025437*	*0.26025865*	*0.53161300*	*0.59930253*	*1.14146146*	*0.73033760*	*0.23838462*
Int SD	*609.26689000*	*11.91804600*	*95.53760300*	*6310.87680*	*210285*	*2721.08410*	*14.80286400*
RelInt Mean	-0.00003465	-0.00008408	0.00018808	---	---	---	0.00024766
RelInt RSD	*23.89647591*	*7.06675146*	*1.23458052*	---	---	---	*6.41993233*
RelInt SD	*0.00000828*	*0.00000594*	*0.00000232*	---	---	---	*0.00001590*
Conc Mean	<-0.00917037[mg/l]	0.00498571[mg/l]	<-0.00212265[mg/l]	1042569	18342782	370821	<0.00015628[mg/l]
Conc RSD	*0.73640910*	*7.53201268*	*16.81156021*	---	---	---	*27.02900711*
Conc SD	*0.00006753[mg/l]*	*0.00037552[mg/l]*	*0.00035685[mg/l]*	*6299.99470*	*210408*	*2687.86980*	*0.00004224[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	87.38244800	6248.67490	8091.12080	5795.24870	8419.20810	7057.12300	
Int RSD	*246.41314695*	*19.32960699*	*0.66484134*	*1.06872050*	*0.25854835*	*0.42236628*	
Int SD	*215.32184000*	*1207.84430*	*53.79311600*	*61.93501100*	*21.76772400*	*29.80690800*	
RelInt Mean	-0.00080459	0.00089598	0.00031598	0.00000118	0.00010708	-0.00023299	
RelInt RSD	*17.11958892*	*38.44353566*	*25.10054836*	*5421.95029*	*31.81871632*	*26.72142101*	
RelInt SD	*0.00013774*	*0.00034445*	*0.00007931*	*0.00006378*	*0.00003407*	*0.00006226*	
Conc Mean	<-0.00108904[mg/l]	<-0.00156658[mg/l]	<-0.00259394[mg/l]	<-0.00264422[mg/l]	<-0.00019204[mg/l]	<-0.00391470[mg/l]	
Conc RSD	*34.07937196*	*208.35205457*	*34.95094716*	*40.23340833*	*55.44389416*	*56.03131426*	
Conc SD	*0.00037114[mg/l]*	*0.00326400[mg/l]*	*0.00090661[mg/l]*	*0.00106386[mg/l]*	*0.00010647[mg/l]*	*0.00219346[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 467769 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973013 File : met06_master Time : 23-AUG-2022 10:13
Cal : 482338973001 Caldate : 23-AUG-2022
Standards: S16979, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	0.005544	0.003333	mg/l	!a+

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	146.3	mg/l	91	
Aluminum	R	400.0	370.8	mg/l	93	
Calcium	R	400.0	391.6	mg/l	98	
Magnesium	R	400.0	403.3	mg/l	101	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	16549392	-5.72
Yttrium	A	970979	914571	-5.81
Yttrium	R	370837	335426	-9.55

!=warning +=high bias a=ICSA

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICSA,S16979	Sample Type: Control Sample		
Measure Date: 2022-08-23 10:13:16	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	60143.56800	904923	9904.61930	10387.55000	10088.07900	2627845	9565.71170
Int RSD	*0.47385351*	*0.78821305*	*0.15631699*	*0.31798448*	*0.53989864*	*0.42176283*	*0.19170617*
Int SD	*284.99241000*	*7132.72020*	*15.48260300*	*33.03079700*	*54.46540100*	*11083.27500*	*18.33806000*
RelInt Mean	0.00002667	2.67347380	-0.00011374	0.00134066	0.00030572	7.86978050	0.00022058
RelInt RSD	*32.87017075*	*1.31148366*	*43.77276320*	*7.21446557*	*20.65244015*	*1.05373651*	*7.57730356*
RelInt SD	*0.00000877*	*0.03506217*	*0.00004979*	*0.00009672*	*0.00006314*	*0.08292675*	*0.00001671*
Conc Mean	<-0.00060077[mg/l]	>370.76040000[mg/l]	<0.00252633[mg/l]	0.00856508[mg/l]	<0.00037173[mg/l]	>391.64773000[mg/l]	0.00108583[mg/l]
Conc RSD	*48.10040118*	*1.31212279*	*63.48997954*	*10.04815423*	*54.32027613*	*1.05393416*	*7.71659232*
Conc SD	*0.00028897[mg/l]*	*4.86483170[mg/l]*	*0.00160397[mg/l]*	*0.00086063[mg/l]*	*0.00020192[mg/l]*	*4.12770920[mg/l]*	*0.00008379[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	8366.59370	65488.97600	43071426	844.90450000	485279	15225.69300	13489.72500
Int RSD	*0.88721586*	*0.67116786*	*0.97590800*	*27.33541720*	*0.45259594*	*0.48371008*	*0.49929125*
Int SD	*74.22974600*	*439.54096000*	*420337*	*230.95817000*	*2196.35220*	*73.64821200*	*67.35301600*
RelInt Mean	-0.00043029	0.00076048	47.70659200	0.00214541	1.44308830	0.00225585	-0.00040032
RelInt RSD	*17.21966337*	*2.43863244*	*0.46305903*	*21.81445356*	*0.46118185*	*4.61820245*	*23.65445548*
RelInt SD	*0.00007409*	*0.00001855*	*0.22090968*	*0.00046801*	*0.00665526*	*0.00010418*	*0.00009469*
Conc Mean	<-0.00299368[mg/l]	<0.00022810[mg/l]	>146.33074000[mg/l]	<0.78502295[mg/l]	>403.26553000[mg/l]	0.00120791[mg/l]	<-0.00542835[mg/l]
Conc RSD	*16.08770087*	*188.87997290*	*0.46327215*	*52.27754934*	*0.46121961*	*5.22868621*	*11.99877141*
Conc SD	*0.00048161[mg/l]*	*0.00043084[mg/l]*	*0.67790956[mg/l]*	*0.41039076[mg/l]*	*1.85993970[mg/l]*	*0.00006316[mg/l]*	*0.00065133[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	17703.52700	9879.31460	18692.00500	15623.50600	11306.54700	9848.78270	8997.66330
Int RSD	*8.23308655*	*0.39102388*	*0.48694803*	*0.71634587*	*0.41494942*	*0.99858126*	*10.09326755*
Int SD	*1457.54670*	*38.63047900*	*91.02035000*	*111.91834000*	*46.91645100*	*98.34809800*	*908.15823000*
RelInt Mean	0.03230885	-0.00005921	0.00288374	0.00005079	-0.00014872	0.00008021	0.02305040
RelInt RSD	*5.20120722*	*67.63607382*	*1.77675887*	*301.47420534*	*98.14468487*	*121.48374884*	*13.72569310*
RelInt SD	*0.00168045*	*0.00004005*	*0.00005124*	*0.00015312*	*0.00014597*	*0.00009744*	*0.00316383*
Conc Mean	<0.33682406[mg/l]	<-0.00223205[mg/l]	0.00554368[mg/l]	<-0.00087265[mg/l]	<-0.00640422[mg/l]	<-0.00423197[mg/l]	0.01729390[mg/l]
Conc RSD	*21.65056024*	*13.25867182*	*19.15192869*	*596.16576365*	*70.43579010*	*38.39041778*	*13.61465351*
Conc SD	*0.07292430[mg/l]*	*0.00029594[mg/l]*	*0.00106172[mg/l]*	*0.00520244[mg/l]*	*0.00451086[mg/l]*	*0.00162467[mg/l]*	*0.00235450[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	72950.88300	9776.67440	19747.13700	914571	16549392	335426	15669.68900
Int RSD	*0.16051704*	*0.19298272*	*1.31321746*	*0.50959833*	*0.41593155*	*0.63160300*	*0.38957753*
Int SD	*117.09860000*	*18.86729200*	*259.32285000*	*4660.64040*	*68834.14300*	*2118.56000*	*61.04558800*
RelInt Mean	0.00038239	-0.00037628	0.00018050	---	---	---	0.00115849
RelInt RSD	*1.40964167*	*17.52697465*	*6.09186861*	---	---	---	*0.88076995*
RelInt SD	*0.00000539*	*0.00006595*	*0.00001100*	---	---	---	*0.00001020*
Conc Mean	<-0.00576880[mg/l]	<-0.01344056[mg/l]	<-0.00328593[mg/l]	902511	16463121	333710	0.00257649[mg/l]
Conc RSD	*0.76214251*	*30.93572508*	*51.41630561*	---	---	---	*1.04421926*
Conc SD	*0.00004397[mg/l]*	*0.00415794[mg/l]*	*0.00168950[mg/l]*	*4638.32420*	*68558.56100*	*2105.98430*	*0.00002690[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	128.99007000	5675.48300	10897.63400	9176.42840	9970.99560	11491.10700	
Int RSD	*71.53506235*	*18.68817332*	*0.35152145*	*0.22105169*	*0.32748369*	*1.36624348*	
Int SD	*92.27312700*	*1060.64410*	*38.30752100*	*20.28465000*	*32.65338400*	*156.99650000*	
RelInt Mean	-0.00075259	0.00145310	0.00143989	0.00014347	-0.00015576	0.00032390	
RelInt RSD	*53.63441743*	*14.07437323*	*4.87203839*	*37.38727760*	*21.36950096*	*61.37723855*	
RelInt SD	*0.00040365*	*0.00020451*	*0.00007015*	*0.00005364*	*0.00003329*	*0.00019880*	
Conc Mean	<-0.00094892[mg/l]	<0.00371262[mg/l]	0.01022456[mg/l]	<-0.00027068[mg/l]	<-0.00098146[mg/l]	0.01570534[mg/l]	
Conc RSD	*114.61458052*	*52.19984737*	*7.80792195*	*330.55493571*	*9.85392076*	*44.59640434*	
Conc SD	*0.00108760[mg/l]*	*0.00193798[mg/l]*	*0.00079833[mg/l]*	*0.00089474[mg/l]*	*0.00009671[mg/l]*	*0.00700401[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 467769 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973014 File : met06_master Time : 23-AUG-2022 10:16
Cal : 482338973001 Caldate : 23-AUG-2022
Standards: S17065, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.041	mg/l	4	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	16574588	-5.57
Yttrium	A	970979	917293	-5.53
Yttrium	R	370837	334966	-9.67

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICSAB,S17065			Sample Type: Control Sample
Measure Date: 2022-08-23 10:16:33	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	615670	899134	9859.41760	10519.55200	150295	2618987	98760.31500
Int RSD	*1.98421027*	*0.78163364*	*0.55259254*	*1.44560434*	*0.72809394*	*0.53133622*	*0.23043571*
Int SD	*12216.18200*	*7027.93620*	*54.48240600*	*152.07110000*	*1094.28980*	*13915.62400*	*227.57903000*
RelInt Mean	0.03361856	2.65869790	-0.00016906	0.00146238	0.15507366	7.85218830	0.09856125
RelInt RSD	*2.00278787*	*1.07585326*	*23.66871459*	*7.69476890*	*0.31141085*	*1.01953857*	*0.53388617*
RelInt SD	*0.00067331*	*0.02860369*	*0.00004001*	*0.00011253*	*0.00048292*	*0.08005609*	*0.00052620*
Conc Mean	1.10650400[mg/l]	>368.71025000[mg/l]	<0.00027650[mg/l]	0.00964817[mg/l]	0.50018970[mg/l]	>390.77207000[mg/l]	0.49376486[mg/l]
Conc RSD	*2.00546469*	*1.07638168*	*465.97029548*	*10.37782753*	*0.31341743*	*1.01972892*	*0.53391191*
Conc SD	*0.02219055[mg/l]*	*3.96872960[mg/l]*	*0.00128841[mg/l]*	*0.00100127[mg/l]*	*0.00156768[mg/l]*	*3.98481580[mg/l]*	*0.00263627[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	82224.89000	459175	43304368	733.59068000	486658	764549	13553.28900
Int RSD	*0.13481966*	*2.36805176*	*0.25245195*	*20.18994843*	*0.50038870*	*0.67541423*	*1.40568050*
Int SD	*110.85532000*	*10873.49100*	*109323*	*148.11158000*	*2435.18310*	*5163.87020*	*190.51594000*
RelInt Mean	0.08102580	0.02457432	47.82821500	0.00178766	1.44906820	0.82993615	-0.00034856
RelInt RSD	*0.84600762*	*2.44576338*	*0.58708323*	*20.44810937*	*0.26258695*	*0.34178317*	*93.37152559*
RelInt SD	*0.00068548*	*0.00060103*	*0.28079143*	*0.00036554*	*0.00380506*	*0.00283658*	*0.00032546*
Conc Mean	0.52646993[mg/l]	0.55347268[mg/l]	>146.70397000[mg/l]	<0.47132106[mg/l]	>404.93674000[mg/l]	0.50297900[mg/l]	<-0.00507235[mg/l]
Conc RSD	*0.84632325*	*2.52282660*	*0.58735392*	*68.00882396*	*0.26260848*	*0.34189185*	*44.13385558*
Conc SD	*0.00445564[mg/l]*	*0.01396316[mg/l]*	*0.86167152[mg/l]*	*0.32053991[mg/l]*	*1.06339820[mg/l]*	*0.00171964[mg/l]*	*0.00223862[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	18321.94500	129045	54008.07400	15855.52100	11250.74800	9802.40370	8952.18990
Int RSD	*7.32919131*	*0.51727598*	*0.32532438*	*0.78259560*	*0.37104852*	*0.37667048*	*13.38158276*
Int SD	*1342.85040*	*667.51750000*	*175.70143000*	*124.08461000*	*41.74573400*	*36.92276100*	*1197.94470*
RelInt Mean	0.03424577	0.13139586	0.04178085	0.00026488	-0.00026568	-0.00001828	0.02294448
RelInt RSD	*4.21191893*	*0.53108090*	*1.29516928*	*64.10325256*	*43.56900720*	*310.88878918*	*16.42632996*
RelInt SD	*0.00144240*	*0.00069782*	*0.00054113*	*0.00016980*	*0.00011575*	*0.00005684*	*0.00376894*
Conc Mean	<0.42087763[mg/l]	0.96922563[mg/l]	1.04144350[mg/l]	<0.00329894[mg/l]	<-0.01001863[mg/l]	<-0.00587417[mg/l]	0.01721507[mg/l]
Conc RSD	*14.87228152*	*0.53206330*	*1.44976189*	*174.27527016*	*35.70601298*	*16.13336834*	*16.29283245*
Conc SD	*0.06259411[mg/l]*	*0.00515689[mg/l]*	*0.01509845[mg/l]*	*0.00574924[mg/l]*	*0.00357725[mg/l]*	*0.00094770[mg/l]*	*0.00280482[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	71961.35900	9879.46580	73562.20100	917293	16574588	334966	338125
Int RSD	*0.47642331*	*0.40849285*	*1.49753200*	*0.76245544*	*0.29159156*	*0.57144364*	*0.25224630*
Int SD	*342.84069000*	*40.35691100*	*1101.61750*	*6993.94660*	*48330.10000*	*1914.14070*	*852.90842000*
RelInt Mean	0.00031088	-0.00020571	0.00343900	---	---	---	0.35728795
RelInt RSD	*1.07954923*	*51.32531375*	*1.76550692*	---	---	---	*0.62693822*
RelInt SD	*0.00000336*	*0.00010558*	*0.00006072*	---	---	---	*0.00223997*
Conc Mean	<-0.00635211[mg/l]	<-0.00268479[mg/l]	0.49734934[mg/l]	905124	16487809	333336	0.94799143[mg/l]
Conc RSD	*0.43093835*	*247.80138066*	*1.87551794*	---	---	---	*0.62720766*
Conc SD	*0.00002737[mg/l]*	*0.00665296[mg/l]*	*0.00932788[mg/l]*	*7029.60210*	*47933.03100*	*1900.41570*	*0.00594587[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	59185.17900	5513.54230	10965.57100	9481.15740	334356	11576.95700	
Int RSD	*6.13505638*	*18.91706898*	*1.58716240*	*0.89705813*	*0.31640336*	*0.58378896*	
Int SD	*3631.04410*	*1043.00060*	*174.04142000*	*85.05149300*	*1057.91360*	*67.58499700*	
RelInt Mean	0.17651192	0.00123921	0.00147825	0.00038720	0.35771894	0.00032061	
RelInt RSD	*6.72340825*	*16.38743021*	*10.93738229*	*33.52404972*	*0.46428934*	*46.22152305*	
RelInt SD	*0.01186762*	*0.00020307*	*0.00016168*	*0.00012981*	*0.00166085*	*0.00014819*	
Conc Mean	0.47667772[mg/l]	<0.00168583[mg/l]	0.01065219[mg/l]	<0.00379504[mg/l]	1.07653690[mg/l]	0.01558920[mg/l]	
Conc RSD	*6.70818871*	*114.14830049*	*16.86367251*	*57.05554798*	*0.46435263*	*33.49019366*	
Conc SD	*0.03197644[mg/l]*	*0.00192434[mg/l]*	*0.00179635[mg/l]*	*0.00216528[mg/l]*	*0.00499893[mg/l]*	*0.00522085[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 467769 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973054 File : met06_master Time : 23-AUG-2022 12:49
Cal : 482338973001 Caldate : 23-AUG-2022
Standards: S17024, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0347	0.0402	1.000	1.072	mg/l	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18253856	3.99
Yttrium	A	970979	1053095	8.46
Yttrium	R	370837	365141	-1.54

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S17024			Sample Type: Control Sample
Measure Date: 2022-08-23 12:49:28	Recalculation Date:	State: Check failed	Quality: Failed

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	377478	6979.73580	40172.51900	126779	337133	766107	219903
Int RSD	*1.34108121*	*7.88449729*	*0.28334581*	*0.38087935*	*0.06821384*	*0.53010549*	*0.22251961*
Int SD	*5062.29230*	*550.31708000*	*113.82715000*	*482.87613000*	*229.97119000*	*4061.17530*	*489.32681000*
RelInt Mean	0.01711843	0.00838598	0.03306712	0.11367365	0.31416937	2.10564960	0.20191469
RelInt RSD	*1.58347796*	*8.45949867*	*0.25302879*	*0.32607018*	*0.11719992*	*0.17233394*	*0.31536100*
RelInt SD	*0.00027107*	*0.00070941*	*0.00008367*	*0.00037066*	*0.00036821*	*0.00362875*	*0.00063676*
Conc Mean	0.56270092[mg/l]	0.98273823[mg/l]	1.07053640[mg/l]	1.00811000[mg/l]	1.01012360[mg/l]	104.73621000[mg/l]	1.00974950[mg/l]
Conc RSD	*1.58764158*	*10.01589671*	*0.25194878*	*0.32715392*	*0.11763105*	*0.17245782*	*0.31665368*
Conc SD	*0.00893367[mg/l]*	*0.09843005[mg/l]*	*0.00269720[mg/l]*	*0.00329807[mg/l]*	*0.00118822[mg/l]*	*0.18062578[mg/l]*	*0.00319741[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	169995	882386	367007	44060.86400	130543	1736878	165793
Int RSD	*0.48941808*	*1.82482672*	*0.11460256*	*12.74854029*	*0.94911036*	*0.30867634*	*0.40312416*
Int SD	*831.98396000*	*16102.02100*	*420.59910000*	*5617.11700*	*1239.00160*	*5361.33080*	*668.34971000*
RelInt Mean	0.15508864	0.04532443	0.34114139	0.12065303	0.35228324	1.65686810	0.15288641
RelInt RSD	*0.42111041*	*1.86004412*	*0.10175746*	*12.69768525*	*0.94361290*	*0.28571988*	*0.45754957*
RelInt SD	*0.00065309*	*0.00084305*	*0.00034714*	*0.01532014*	*0.00332419*	*0.00473400*	*0.00069953*
Conc Mean	1.00787760[mg/l]	1.03554050[mg/l]	0.97918166[mg/l]	104.70280000[mg/l]	98.41761300[mg/l]	1.00429640[mg/l]	1.04894000[mg/l]
Conc RSD	*0.42119394*	*1.89136794*	*0.10879281*	*12.83063395*	*0.94395092*	*0.28576615*	*0.45871659*
Conc SD	*0.00424512[mg/l]*	*0.01958588[mg/l]*	*0.00106528[mg/l]*	*13.43403300[mg/l]*	*0.92901396[mg/l]*	*0.00286994[mg/l]*	*0.00481166[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	855272	155331	52416.44800	39248.64100	39061.63000	328648	483930
Int RSD	*0.67689149*	*0.01868838*	*0.47350379*	*0.47891388*	*0.09899088*	*0.18585524*	*0.58426831*
Int SD	*5789.26660*	*29.02887600*	*248.19387000*	*187.96719000*	*38.66745000*	*610.80921000*	*2827.44900*
RelInt Mean	2.32712700	0.13934089	0.04017179	0.03074010	0.03197344	0.31045872	1.32721160
RelInt RSD	*0.30675065*	*0.12623974*	*0.59824057*	*0.64923665*	*0.26574008*	*0.28223977*	*0.28952212*
RelInt SD	*0.00713848*	*0.00017590*	*0.00024032*	*0.00019958*	*0.00008497*	*0.00087624*	*0.00384257*
Conc Mean	99.92202900[mg/l]	1.02793970[mg/l]	1.07203610[mg/l]	1.03642160[mg/l]	0.98628837[mg/l]	5.17102430[mg/l]	0.98784425[mg/l]
Conc RSD	*0.31001685*	*0.12646266*	*0.59786638*	*0.65679854*	*0.26622868*	*0.28254439*	*0.28947807*
Conc SD	*0.30977513[mg/l]*	*0.00129996[mg/l]*	*0.00640934[mg/l]*	*0.00680720[mg/l]*	*0.00262578[mg/l]*	*0.01461044[mg/l]*	*0.00285959[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2425448	22552.65600	143927	1053095	18253856	365141	414745
Int RSD	*1.87368692*	*0.61356028*	*1.57943991*	*0.10439758*	*0.18636054*	*0.42274824*	*0.04134305*
Int SD	*45445.30000*	*138.37414000*	*2273.23890*	*1099.40590*	*34017.98500*	*1543.62850*	*171.46804000*
RelInt Mean	0.12932890	0.01635274	0.00700879	---	---	---	0.39172757
RelInt RSD	*1.81445593*	*1.05339032*	*1.60797366*	---	---	---	*0.11080055*
RelInt SD	*0.00234662*	*0.00017226*	*0.00011270*	---	---	---	*0.00043404*
Conc Mean	1.04597810[mg/l]	1.03592800[mg/l]	1.04539780[mg/l]	1041192	18167329	363568	1.03920090[mg/l]
Conc RSD	*1.82987139*	*1.04363016*	*1.65614745*	---	---	---	*0.11110218*
Conc SD	*0.01914005[mg/l]*	*0.01081126[mg/l]*	*0.01731333[mg/l]*	*1039.43600*	*33948.70000*	*1582.69160*	*0.00115457[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	126430	41849.16000	490515	348957	373823	8533.18240	
Int RSD	*0.93468436*	*8.70227001*	*0.07688749*	*0.20401897*	*0.22293518*	*0.15053930*	
Int SD	*1181.72330*	*3641.82690*	*377.14481000*	*711.93751000*	*833.38375000*	*12.84579300*	
RelInt Mean	0.34666942	0.09897479	0.46223419	0.32861088	0.34954968	0.00048036	
RelInt RSD	*0.81264606*	*7.49041044*	*0.17780775*	*0.12301549*	*0.13531731*	*7.18783759*	
RelInt SD	*0.00281720*	*0.00741362*	*0.00082189*	*0.00040424*	*0.00047300*	*0.00003453*	
Conc Mean	0.93515505[mg/l]	0.92783185[mg/l]	5.21971670[mg/l]	5.47889690[mg/l]	1.04804670[mg/l]	0.02121735[mg/l]	
Conc RSD	*0.81170775*	*7.57159953*	*0.17712731*	*0.12307522*	*0.13508262*	*5.73318002*	
Conc SD	*0.00759073[mg/l]*	*0.07025171[mg/l]*	*0.00924554[mg/l]*	*0.00674316[mg/l]*	*0.00141573[mg/l]*	*0.00121643[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 467769 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973055 File : met06_master Time : 23-AUG-2022 12:52
Cal : 482338973001 Caldate : 23-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18954175	7.98
Yttrium	A	970979	1114347	14.77
Yttrium	R	370837	379515	2.34

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2022-08-23 12:52:42	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	68127.46000	2053.95090	5348.80800	9126.32080	9750.01050	1020.33760	9182.22620
Int RSD	*0.15683638*	*8.34257820*	*0.62090976*	*0.81412746*	*0.83189371*	*3.41967492*	*0.59776837*
Int SD	*106.84864000*	*171.35246000*	*33.21127100*	*74.29988400*	*81.10972400*	*34.89222900*	*54.88844400*
RelInt Mean	0.00005454	0.00112118	-0.00005469	0.00097747	0.00015279	0.00197470	0.00002016
RelInt RSD	*46.51133611*	*12.57853767*	*47.71638754*	*5.69244944*	*45.12177791*	*20.77296428*	*206.83479849*
RelInt SD	*0.00002537*	*0.00014103*	*0.00002610*	*0.00005564*	*0.00006894*	*0.00041020*	*0.00004169*
Conc Mean	<0.00031754[mg/l]	<-0.02524421[mg/l]	0.00442609[mg/l]	0.00533343[mg/l]	<-0.00014220[mg/l]	<0.02510137[mg/l]	<0.00008775[mg/l]
Conc RSD	*263.27919143*	*77.51259883*	*18.99163971*	*9.28309072*	*157.37812423*	*81.34210231*	*237.81889545*
Conc SD	*0.00083602[mg/l]*	*0.01956744[mg/l]*	*0.00084059[mg/l]*	*0.00049511[mg/l]*	*0.00022379[mg/l]*	*0.02041798[mg/l]*	*0.00020869[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7958.25140	71913.84700	11634.15100	831.03598000	2196.84710	11181.93500	6665.95010
Int RSD	*0.26626853*	*0.40910189*	*0.27763524*	*20.84185573*	*11.92748963*	*0.44073279*	*1.66223552*
Int SD	*21.19031900*	*294.20091000*	*32.30050300*	*173.20332000*	*262.02871000*	*49.28245400*	*110.80379000*
RelInt Mean	0.00001539	0.00077135	0.00025111	0.00172001	0.00022932	0.00017645	0.00039495
RelInt RSD	*55.66789244*	*0.16064783*	*24.85855833*	*17.79464672*	*151.13795070*	*14.65609316*	*24.31927363*
RelInt SD	*0.00000857*	*0.00000124*	*0.00006242*	*0.00030607*	*0.00034659*	*0.00002586*	*0.00009605*
Conc Mean	<-0.00009675[mg/l]	<0.00048075[mg/l]	<-0.06691700[mg/l]	<0.41199936[mg/l]	<0.02889966[mg/l]	<-0.00005270[mg/l]	<0.00004183[mg/l]
Conc RSD	*57.56523042*	*5.98815546*	*0.28625564*	*65.14300168*	*335.16207906*	*29.74745776*	*1579.38422*
Conc SD	*0.00005569[mg/l]*	*0.00002879[mg/l]*	*0.00019155[mg/l]*	*0.26838875[mg/l]*	*0.09686071[mg/l]*	*0.00001568[mg/l]*	*0.00066067[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	18828.00100	9901.56800	10125.25400	7028.54160	5558.57530	5196.94450	1340.48190
Int RSD	*5.71095997*	*0.41336730*	*0.49910827*	*0.53232816*	*0.53041010*	*2.35766978*	*10.16991800*
Int SD	*1075.25960*	*40.92984400*	*50.53598000*	*37.41490600*	*29.48324500*	*122.52679000*	*136.32591000*
RelInt Mean	0.02827356	0.00012696	-0.00008774	0.00008941	0.00004335	0.00007861	-0.00019859
RelInt RSD	*1.29279773*	*18.22946585*	*31.53806608*	*25.54172348*	*34.83725618*	*138.48220542*	*141.17901209*
RelInt SD	*0.00036552*	*0.00002314*	*0.00002767*	*0.00002284*	*0.00001510*	*0.00010886*	*0.00028036*
Conc Mean	<0.16170962[mg/l]	<-0.00085624[mg/l]	<0.00047751[mg/l]	<0.00042318[mg/l]	<-0.00046838[mg/l]	<-0.00425860[mg/l]	<-0.00000788[mg/l]
Conc RSD	*9.80892170*	*19.97549904*	*153.46455524*	*183.41465330*	*99.64409835*	*42.62277024*	*2647.87858*
Conc SD	*0.01586197[mg/l]*	*0.00017104[mg/l]*	*0.00073281[mg/l]*	*0.00077617[mg/l]*	*0.00046672[mg/l]*	*0.00181513[mg/l]*	*0.00020864[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	71996.47300	5034.57900	19386.28500	1114347	18954175	379515	6797.65370
Int RSD	*0.45679914*	*0.30985159*	*0.82305769*	*0.15455407*	*0.50912793*	*0.20048582*	*1.25285753*
Int SD	*328.87927000*	*15.59972300*	*159.56031000*	*1722.26800*	*96500.99800*	*760.87304000*	*85.16491600*
RelInt Mean	-0.00004865	-0.00006684	0.00017105	---	---	---	0.00023982
RelInt RSD	*28.92242548*	*53.22935716*	*6.62371055*	---	---	---	*27.07052089*
RelInt SD	*0.00001407*	*0.00003558*	*0.00001133*	---	---	---	*0.00006492*
Conc Mean	<-0.00928456[mg/l]	0.00606505[mg/l]	<-0.00473908[mg/l]	1102787	18867763	377802	<0.00013554[mg/l]
Conc RSD	*1.23604466*	*37.01313696*	*36.72863759*	---	---	---	*127.17705545*
Conc SD	*0.00011476[mg/l]*	*0.00224487[mg/l]*	*0.00174060[mg/l]*	*1758.90500*	*96513.25900*	*774.50276000*	*0.00017237[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	24.36386000	6082.71840	9010.98000	6349.72890	9307.73260	7979.88690	
Int RSD	*273.04592950*	*16.92104307*	*0.78359314*	*1.34848677*	*0.10679530*	*1.33178842*	
Int SD	*66.52452800*	*1029.25940*	*70.60942100*	*85.62525400*	*9.94022130*	*106.27521000*	
RelInt Mean	-0.00080089	0.00011391	0.00038733	0.00008374	0.00013442	0.00014802	
RelInt RSD	*46.87501405*	*173.65325857*	*17.17446789*	*53.22819609*	*19.93653338*	*75.81466208*	
RelInt SD	*0.00037542*	*0.00019781*	*0.00006652*	*0.00004457*	*0.00002680*	*0.00011222*	
Conc Mean	<-0.00107906[mg/l]	<-0.00897757[mg/l]	<-0.00185244[mg/l]	<-0.00126697[mg/l]	<-0.00011468[mg/l]	0.00950870[mg/l]	
Conc RSD	*93.74211409*	*20.87884112*	*40.71236146*	*58.68604522*	*72.82711210*	*41.57846171*	
Conc SD	*0.00101153[mg/l]*	*0.00187441[mg/l]*	*0.00075417[mg/l]*	*0.00074353[mg/l]*	*0.00008352[mg/l]*	*0.00395357[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 467769 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973066 File : met06_master Time : 23-AUG-2022 13:41
Cal : 482338973001 Caldate : 23-AUG-2022
Standards: S17024, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0347	0.0400	1.000	1.067	mg/l	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18055983	2.86
Yttrium	A	970979	1053138	8.46
Yttrium	R	370837	363460	-1.99

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S17024	Sample Type: Control Sample		
Measure Date: 2022-08-23 13:41:55	Recalculation Date:	State: Check failed	Quality: Failed

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	373334	7148.90910	39662.68200	125454	335230	759884	218588
Int RSD	*1.19792970*	*10.38986578*	*0.51911295*	*0.42442719*	*0.24199041*	*0.86811671*	*0.50759327*
Int SD	*4472.27960*	*742.76206000*	*205.89412000*	*532.46072000*	*811.22542000*	*6596.68420*	*1109.53560*
RelInt Mean	0.01712001	0.00879508	0.03264136	0.11252114	0.31249992	2.09872770	0.20076638
RelInt RSD	*1.58425910*	*9.04036842*	*0.50111481*	*0.09140216*	*0.12352255*	*0.31550980*	*0.24405231*
RelInt SD	*0.00027123*	*0.00079511*	*0.00016357*	*0.00010285*	*0.00038601*	*0.00662169*	*0.00048997*
Conc Mean	0.56275315[mg/l]	1.03950060[mg/l]	1.05682510[mg/l]	0.99785491[mg/l]	1.00477020[mg/l]	104.39167000[mg/l]	1.00398280[mg/l]
Conc RSD	*1.58842318*	*10.61281350*	*0.49822714*	*0.09170735*	*0.12463629*	*0.31573298*	*0.24476134*
Conc SD	*0.00893890[mg/l]*	*0.11032026[mg/l]*	*0.00526539[mg/l]*	*0.00091511[mg/l]*	*0.00125231[mg/l]*	*0.32959893[mg/l]*	*0.00245736[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	169043	877775	367794	44083.37100	128702	1719039	164152
Int RSD	*0.41620344*	*1.60818798*	*0.19052985*	*14.77260144*	*1.88568151*	*0.38036612*	*0.54760063*
Int SD	*703.56412000*	*14116.27200*	*700.75825000*	*6512.26070*	*2426.90360*	*6538.64160*	*898.89531000*
RelInt Mean	0.15429805	0.04562807	0.34193433	0.12133729	0.34875454	1.63968660	0.15138016
RelInt RSD	*0.45993908*	*1.91766272*	*0.40314174*	*15.72668880*	*1.00228579*	*0.75052348*	*0.26574323*
RelInt SD	*0.00070968*	*0.00087499*	*0.00137848*	*0.01908234*	*0.00349552*	*0.01230623*	*0.00040228*
Conc Mean	1.00273870[mg/l]	1.04259470[mg/l]	0.98161500[mg/l]	105.30283000[mg/l]	97.43144700[mg/l]	0.99388033[mg/l]	1.03857940[mg/l]
Conc RSD	*0.46002812*	*1.94974135*	*0.43094108*	*15.89040959*	*1.00264765*	*0.75064239*	*0.26642807*
Conc SD	*0.00461288[mg/l]*	*0.02032790[mg/l]*	*0.00423018[mg/l]*	*16.73305100[mg/l]*	*0.97689411[mg/l]*	*0.00746049[mg/l]*	*0.00276707[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	850752	154312	52063.86800	38886.15900	38779.92500	325340	479556
Int RSD	*0.73029854*	*0.31543891*	*0.52670270*	*0.34583825*	*0.27599313*	*0.48137015*	*0.72441274*
Int SD	*6213.02750*	*486.75977000*	*274.22180000*	*134.48321000*	*107.02993000*	*1566.08830*	*3473.96720*
RelInt Mean	2.32546130	0.13847668	0.03998613	0.03047639	0.03177338	0.30727817	1.32137020
RelInt RSD	*0.30523560*	*0.28827800*	*0.75074819*	*0.23478263*	*0.52550791*	*0.36363465*	*0.58900469*
RelInt SD	*0.00709814*	*0.00039920*	*0.00030020*	*0.00007155*	*0.00016697*	*0.00111737*	*0.00778293*
Conc Mean	99.84974500[mg/l]	1.02155310[mg/l]	1.06708230[mg/l]	1.02748730[mg/l]	0.98010567[mg/l]	5.11799180[mg/l]	0.98349711[mg/l]
Conc RSD	*0.30849479*	*0.28878550*	*0.75060743*	*0.23450633*	*0.52647699*	*0.36403063*	*0.58892364*
Conc SD	*0.30803126[mg/l]*	*0.00295010[mg/l]*	*0.00800960[mg/l]*	*0.00240952[mg/l]*	*0.00516003[mg/l]*	*0.01863106[mg/l]*	*0.00579205[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2416406	22389.41100	143303	1053138	18055983	363460	411917
Int RSD	*1.27352634*	*0.21375770*	*1.38077759*	*0.36569139*	*0.55193637*	*1.06383663*	*0.26507258*
Int SD	*30773.57200*	*47.85908900*	*1978.70110*	*3851.23500*	*99657.53800*	*3866.61690*	*1091.88030*
RelInt Mean	0.13031073	0.01623870	0.00705537	---	---	---	0.38903205
RelInt RSD	*1.44658387*	*0.15285444*	*1.61500141*	---	---	---	*0.24280384*
RelInt SD	*0.00188505*	*0.00002482*	*0.00011394*	---	---	---	*0.00094458*
Conc Mean	1.05398630[mg/l]	1.02874490[mg/l]	1.05255740[mg/l]	1041358	17971037	361816	1.03204570[mg/l]
Conc RSD	*1.45878367*	*0.15537497*	*1.66323300*	---	---	---	*0.24282052*
Conc SD	*0.01537538[mg/l]*	*0.00159841[mg/l]*	*0.01750648[mg/l]*	*3827.73720*	*99515.45400*	*4098.93020*	*0.00250602[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	126395	42163.54200	489764	348195	370980	8658.32950	
Int RSD	*0.21599214*	*10.17646098*	*0.20636290*	*0.30500994*	*0.28793988*	*0.94759551*	
Int SD	*273.00396000*	*4290.75640*	*1010.69020*	*1062.03050*	*1068.19800*	*82.04594200*	
RelInt Mean	0.34822941	0.10002106	0.46155594	0.32786533	0.34692341	0.00066857	
RelInt RSD	*1.29432913*	*9.78245192*	*0.25605091*	*0.22097984*	*0.23547489*	*9.09484769*	
RelInt SD	*0.00450723*	*0.00978451*	*0.00118182*	*0.00072452*	*0.00081692*	*0.00006081*	
Conc Mean	0.93935832[mg/l]	0.93774631[mg/l]	5.21224700[mg/l]	5.46646050[mg/l]	1.04018930[mg/l]	0.02784825[mg/l]	
Conc RSD	*1.29284340*	*9.88736687*	*0.25755570*	*0.22108803*	*0.23470894*	*7.69251688*	
Conc SD	*0.01214443[mg/l]*	*0.09271842[mg/l]*	*0.01342444[mg/l]*	*0.01208569[mg/l]*	*0.00244142[mg/l]*	*0.00214223[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 467769 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973067 File : met06_master Time : 23-AUG-2022 13:45
Cal : 482338973001 Caldate : 23-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18834812	7.30
Yttrium	A	970979	1122614	15.62
Yttrium	R	370837	388771	4.84

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2022-08-23 13:45:09	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	66866.27500	1995.50040	5318.89840	8578.70360	9577.55830	1161.54490	8995.05210
Int RSD	*0.12330267*	*7.36600504*	*0.57216502*	*0.67831521*	*0.20471065*	*8.16616405*	*0.47922113*
Int SD	*82.44790500*	*146.98866000*	*30.43287600*	*58.19065100*	*19.60628200*	*94.85366200*	*43.10619000*
RelInt Mean	0.00004677	0.00117585	-0.00004272	0.00058574	0.00011705	0.00211613	-0.00005286
RelInt RSD	*23.83412607*	*13.16865033*	*96.47402977*	*8.28346034*	*41.38814510*	*15.13968157*	*85.07144717*
RelInt SD	*0.00001115*	*0.00015484*	*0.00004122*	*0.00004852*	*0.00004845*	*0.00032038*	*0.00004497*
Conc Mean	<0.00006164[mg/l]	<-0.01765876[mg/l]	0.00481149[mg/l]	0.00184775[mg/l]	<-0.00025798[mg/l]	<0.03214155[mg/l]	<-0.00027838[mg/l]
Conc RSD	*596.04903736*	*121.66386173*	*27.59689081*	*23.36508924*	*60.10079391*	*49.61436670*	*80.92613805*
Conc SD	*0.00036741[mg/l]*	*0.02148433[mg/l]*	*0.00132782[mg/l]*	*0.00043173[mg/l]*	*0.00015505[mg/l]*	*0.01594682[mg/l]*	*0.00022528[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7843.35280	70649.44400	11665.35800	1292.89220	2382.54950	11003.73500	6609.06740
Int RSD	*0.55265131*	*0.21768893*	*0.77544723*	*17.43718773*	*11.40959925*	*0.50814537*	*1.15700230*
Int SD	*43.34639200*	*153.79602000*	*90.45869600*	*225.44404000*	*271.83935000*	*55.91497000*	*76.46706200*
RelInt Mean	0.00003190	0.00075729	0.00052599	0.00288252	0.00041508	0.00017234	0.00040979
RelInt RSD	*78.44638114*	*2.75170556*	*12.74078402*	*14.97577411*	*74.87720628*	*25.28697425*	*19.18048891*
RelInt SD	*0.00002503*	*0.00002084*	*0.00006702*	*0.00043168*	*0.00031080*	*0.00004358*	*0.00007860*
Conc Mean	<0.00001057[mg/l]	<0.00015407[mg/l]	<-0.06607345[mg/l]	<1.43138400[mg/l]	<0.08081591[mg/l]	<-0.00005520[mg/l]	<0.00014390[mg/l]
Conc RSD	*1539.44896*	*314.22545025*	*0.31124698*	*26.44529490*	*107.47939759*	*47.86559082*	*375.70737495*
Conc SD	*0.00016267[mg/l]*	*0.00048412[mg/l]*	*0.00020565[mg/l]*	*0.37853372[mg/l]*	*0.08686045[mg/l]*	*0.00002642[mg/l]*	*0.00054064[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	24441.75100	9807.23380	9966.44830	6878.77400	5470.93420	5086.93340	1345.10320
Int RSD	*6.31372687*	*0.55591121*	*0.28140157*	*0.12342769*	*0.10722089*	*0.52165881*	*7.49933239*
Int SD	*1543.18540*	*54.51951200*	*28.04574200*	*8.49031200*	*5.86598430*	*26.53643600*	*100.87376000*
RelInt Mean	0.04215906	0.00020051	-0.00009637	0.00001710	-0.00000700	0.00001938	-0.00017712
RelInt RSD	*2.19763662*	*15.43737392*	*69.36887499*	*78.90032786*	*406.33517576*	*115.51503724*	*116.90147183*
RelInt SD	*0.00092650*	*0.00003095*	*0.00006685*	*0.00001349*	*0.00002843*	*0.00002239*	*0.00020706*
Conc Mean	0.76428023[mg/l]	<-0.00031270[mg/l]	<0.00024628[mg/l]	<-0.00203566[mg/l]	<-0.00202428[mg/l]	<-0.00524614[mg/l]	<0.00000809[mg/l]
Conc RSD	*5.26066336*	*73.15333300*	*722.48714381*	*22.54629758*	*43.39731541*	*7.11631028*	*1903.93960*
Conc SD	*0.04020621[mg/l]*	*0.00022875[mg/l]*	*0.00177931[mg/l]*	*0.00045897[mg/l]*	*0.00087848[mg/l]*	*0.00037333[mg/l]*	*0.00015409[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	71549.93300	4972.21990	19150.18100	1122614	18834812	388771	6721.23500
Int RSD	*0.38766897*	*0.22587645*	*0.49781407*	*0.55642752*	*0.16609491*	*0.47600988*	*0.89178443*
Int SD	*277.37689000*	*11.23107400*	*95.33229600*	*6246.53100*	*31283.66400*	*1850.58680*	*59.93892700*
RelInt Mean	-0.00002587	-0.00010032	0.00017889	---	---	---	0.00023118
RelInt RSD	*39.57621971*	*25.57492002*	*1.09558459*	---	---	---	*26.98206693*
RelInt SD	*0.00001024*	*0.00002566*	*0.00000196*	---	---	---	*0.00006238*
Conc Mean	<-0.00909880[mg/l]	0.00395332[mg/l]	<-0.00353547[mg/l]	1111277	18749674	387001	<0.00011254[mg/l]
Conc RSD	*0.91788278*	*40.95931597*	*8.51594688*	---	---	---	*147.24016075*
Conc SD	*0.00008352[mg/l]*	*0.00161925[mg/l]*	*0.00030108[mg/l]*	*6174.88630*	*31259.33900*	*2012.68500*	*0.00016571[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	237.67180000	6388.24520	8874.66230	6322.28370	9079.64210	8424.41650	
Int RSD	*45.56270874*	*20.27612372*	*0.46314095*	*1.01249688*	*0.55273292*	*0.85692915*	
Int SD	*108.28971000*	*1295.28850*	*41.10219500*	*64.01292500*	*50.18617100*	*72.19128100*	
RelInt Mean	-0.00030970	0.00086111	0.00042382	0.00008668	0.00004427	0.00060738	
RelInt RSD	*37.44672745*	*33.93732487*	*3.50388116*	*50.17342179*	*100.26426207*	*16.16877411*	
RelInt SD	*0.00011597*	*0.00029224*	*0.00001485*	*0.00004349*	*0.00004439*	*0.00009821*	
Conc Mean	<0.00024440[mg/l]	<-0.00189701[mg/l]	<-0.00144037[mg/l]	<-0.00121800[mg/l]	<-0.00038750[mg/l]	0.02569252[mg/l]	
Conc RSD	*127.85673220*	*145.98079082*	*10.91907115*	*59.55927450*	*35.73645221*	*13.46653321*	
Conc SD	*0.00031248[mg/l]*	*0.00276927[mg/l]*	*0.00015728[mg/l]*	*0.00072543[mg/l]*	*0.00013848[mg/l]*	*0.00345989[mg/l]*	

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 467771
Report Level: IV
Report Date: 01/05/2023

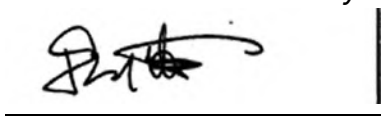
PCBs

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	467771
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	08/22/22

Sample ID	Lab ID	Collected	Matrix
DOOR-N-0.3GE-PS-20-220822-P-LA	467771-001	08/22/22 10:26	Wipe
DOOR-N-0.4GE-PS-20-220822-P-G	467771-003	08/22/22 10:41	Wipe
ARCH-C1E-EXT-5 TO 6-220822-P-WF	467771-005	08/22/22 10:22	Wipe
DOOR-N-0.2GE-PS-19-220822-P-G	467771-007	08/22/22 11:10	Wipe

Case Narrative

PCBS (EPA 8082)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 467771 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 08/22/22

This data package contains sample and QC results for four wipe samples, requested for the above referenced project on 08/23/22. See attached cooler receipt form for any sample receipt problems or discrepancies. Reissued 1/5/23 to revise the preparation method reference.

PCBs (EPA 8082):

No analytical problems were encountered.

Chain of Custody

467771 JG

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)					
Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
16	~~AFRAME-C1E-MED-L1-HS-2-2208 -L-~~	~~8/ /2022~~		~~WP~~	~~1~~			~~X~~		MK
17	~~AFRAME-C1E-LAT-L1-EXT-0 TO 1-2208 -P-~~	~~8/ /2022~~		~~WP~~	~~1~~		~~X~~			MK
18	~~AFRAME-C1E-LAT-L1-EXT-0 TO 1-2208 -L-~~	~~8/ /2022~~		~~WP~~	~~1~~			~~X~~		MK
19	DOOR-N-0.3GE-~~DG-7 TO~~ PS-20-202208 22 -P- LA	8/22/2022	1026	WP	1		X			
20	DOOR-N-0.3GE-~~DG-7 TO~~ PS-20-202208 22 -L- LA	8/22/2022	1026	WP	1			X		
21	DOOR-N-0.4GE-PS-20-202208 22 -P- GA	8/22/2022	1041	WP	1		X			
22	DOOR-N-0.4GE-PS-20-202208 22 -L- GA	8/22/2022	1041	WP	1			X		6 x Type 2 Rivets = 0.0600 ft2
23	ARCH-C1E-EXT-5 TO 6-202208 22 -P- WF	8/22/2022	1022	WP	1		X			
24	ARCH-C1E-EXT-5 TO 6-202208 22 -L- WF	8/22/2022	1022	WP	1			X		
25	DOOR-N-0.2GE-PS-19-2208 22 -P- GA	8/22/2022	1110	WP	1		X			
26	DOOR-N-0.2GE-PS-19-2208 22 -L- GA	8/22/2022	1110	WP	1			X		6x Type 2 Rivets = 0.0600 ft2
27	~~22080 -P-MEDBLANK~~	~~8/ /2022~~		~~WP~~	~~1~~		~~X~~			~~Collected from High Occupancy zone of Hanagar~~ MK
28	~~22080 -L-MEDBLANK~~	~~8/ /2022~~		~~WP~~	~~1~~			~~X~~		~~Collected from High Occupancy zone of Hanagar~~ MK
29	~~22080 -P-MEDBLANK~~	~~8/ /2022~~		~~WP~~	~~1~~		~~X~~			~~Collected from High Occupancy zone of Hanagar~~ MK
30	~~22080 -L-MEDBLANK~~	~~8/ /2022~~		~~WP~~	~~1~~			~~X~~		~~Collected from High Occupancy zone of Hanagar~~ MK

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michaela Kim	Rincon Env Scientist	1350 8/22/22
1 Received By:	Andrew Hudson	Andrew Hudson	ENTHALPY	1:50 8/22/22
2 Relinquished By:	Rudney Hudson	"	"	16:14 8/22/22
2 Received By:				8/22/22 16:14
3 Relinquished By:		Logged From Lobby	EA	8/22/22 17:45
3 Received By:				8/23/2022 08:30

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 46771 Client: Rincon

Date Received: 8.22.22 Project: _____

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☐ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 8.22 By (print) JH (sign) JH

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☐ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: 1.2, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	–		
Were Method 5035 sampling containers present?		–	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	–		
Are there any missing / extra samples?		–	
Are samples in the appropriate containers for indicated tests?	–		
Are sample labels present, in good condition and complete?	–		
Does the container count match the COC?	–		
Do the sample labels agree with custody papers?	–		
Was sufficient amount of sample sent for tests requested?	–		
Did you change the hold time in LIMS for unpreserved VOAs?			–
Did you change the hold time in LIMS for preserved terracores?			–
Are bubbles > 6mm present in VOA samples?			–
Was the client contacted concerning this sample delivery?		–	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 8-22 **By (print)** MAY **(sign)** _____

Date Labeled 8-22 **By (print)** JH **(sign)** JH

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants, Inc. Project: Hangar 1 - NCTRA WP

Date Received: 8/23/2022 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.8 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: Greyhound

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☑ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.9 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Yanin Date: ~~8/23/2022~~ nt 8/23/2022 8/23/2022

9/5.8

c/ 0.9

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 2 of 4

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
16	~~AFRAME-C1E-MED-L1-HS-2-2208 -L~~	~~8/ /2022~~		~~WP~~	~~1~~			~~X~~		MK
17	~~AFRAME-C1E-LAT-L1-EXT-0 TO 1-2208 -P-~~	~~8/ /2022~~		~~WP~~	~~1~~		X			MK
18	~~AFRAME-C1E-LAT-L1-EXT-0 TO 1-2208 -L-~~	~~8/ /2022~~		~~WP~~	~~1~~			~~X~~		MK
19	DOOR-N-0.3GE-~~PS-1 TO~~ 20-202208 22 -P- LA	8/22/2022	1026	WP	1		X			
20	DOOR-N-0.3GE-~~PS-1 TO~~ 20-202208 22 L- LA	8/22/2022	1026	WP	1			X		
21	DOOR-N-0.4GE-PS-20-202208 22 -P- GT	8/22/2022	1041	WP	1		X			
22	DOOR-N-0.4GE-PS-20-202208 22 -L- GT	8/22/2022	1041	WP	1			X		6 x Type 2 Rivets = 0.0600 ft2
23	ARCH-C1E-EXT-5 TO 6-202208 22 -P- WF	8/22/2022	1022	WP	1		X			
24	ARCH-C1E-EXT-5 TO 6-202208 22 -L- WF	8/22/2022	1022	WP	1			X		
25	DOOR-N-0.2GE-PS-19-2208 22 -P- GT	8/22/2022	1110	WP	1		X			
26	DOOR-N-0.2GE-PS-19-2208 22 -L- GT	8/22/2022	1110	WP	1			X		6x Type 2 Rivets = 0.0600 ft2
27	~~22080 -P-MEDBLANK~~	~~8/ /2022~~		~~WP~~	~~1~~		~~X~~			~~Collected from High Occupancy zone of Hangar~~ MK
28	22080 -L-MEDBLANK	8/ /2022		WP	1			X		~~Collected from High Occupancy zone of Hangar~~ MK
29	~~22080 -P-MEDBLANK~~	~~8/ /2022~~		~~WP~~	~~1~~		~~X~~			~~Collected from High Occupancy zone of Hangar~~ MK
30	~~22080 -L-MEDBLANK~~	~~8/ /2022~~		~~WP~~	~~1~~			~~X~~		~~Collected from High Occupancy zone of Hangar~~ MK

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michaela Kim	Rincon Env Scientist	1350 7/22/22
1 Received By:	Audrey Hudson	Audrey Hudson	ENTHALPY	1:50 8/22/22
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

CamScanner

Results & QC Summary

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467771 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.3GE-PS-20-220822-P-LA **Batch#:** 295632 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/22/22 **Analysis:** EPA 8082

Lab ID: 467771-001 **Received:** 08/22/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/24/22

Diln Fac: 1.000 **Analyzed:** 08/26/22

467771-001 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467771-001 Surrogate	%REC	Limits
TCMX (PCB)	94	52-186
Decachlorobiphenyl (PCB)	75	50-150

Field ID: DOOR-N-0.4GE-PS-20-220822-P-G **Batch#:** 295632 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/22/22 **Analysis:** EPA 8082

Lab ID: 467771-003 **Received:** 08/22/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/24/22

Diln Fac: 1.000 **Analyzed:** 08/26/22

467771-003 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467771-003 Surrogate	%REC	Limits
TCMX (PCB)	92	52-186
Decachlorobiphenyl (PCB)	68	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467771 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C1E-EXT-5 TO 6-220822-P-WF **Batch#:** 295632 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/22/22 **Analysis:** EPA 8082

Lab ID: 467771-005 **Received:** 08/22/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/24/22

Diln Fac: 1.000 **Analyzed:** 08/26/22

467771-005 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467771-005 Surrogate	%REC	Limits
TCMX (PCB)	87	52-186
Decachlorobiphenyl (PCB)	66	50-150

Field ID: DOOR-N-0.2GE-PS-19-220822-P-G **Batch#:** 295632 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/22/22 **Analysis:** EPA 8082

Lab ID: 467771-007 **Received:** 08/22/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/24/22

Diln Fac: 1.000 **Analyzed:** 08/29/22

467771-007 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467771-007 Surrogate	%REC	Limits
TCMX (PCB)	77	52-186
Decachlorobiphenyl (PCB)	64	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467771 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 295632 **Analysis:** EPA 8082

Lab ID: QC1008494 **Prepared:** 08/24/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/26/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1008494 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1008494 Surrogate	%REC	Limits
TCMX (PCB)	92	52-186
Decachlorobiphenyl (PCB)	74	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 467771 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 295632 **Analysis:** EPA 8082

Lab ID: QC1008495 **Prepared:** 08/24/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/26/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1008495 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	5.095	102	60-140	ug/100 cm2
Aroclor-1260	5.000	5.648	113	60-140	ug/100 cm2

QC1008495 Surrogate	%REC	Limits
TCMX (PCB)	83	52-186
Decachlorobiphenyl (PCB)	79	60-140

Type: BSD **Batch#:** 295632 **Analysis:** EPA 8082

Lab ID: QC1008496 **Prepared:** 08/24/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/26/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1008496 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	5.690	114	60-140	ug/100 cm2	11	20
Aroclor-1260	5.000	6.161	123	60-140	ug/100 cm2	9	20

QC1008496 Surrogate	%REC	Limits
TCMX (PCB)	97	52-186
Decachlorobiphenyl (PCB)	88	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY INITIAL CALIBRATION FOR 467771 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_041422_1
Calibration #:	452150634002	Date:	14-APR-2022 18:41
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_041422015	452150634015		14-APR-2022 18:41	S16585 (100X), S16100 (250X)
L2	gc06_041422016	452150634016		14-APR-2022 18:58	S16585 (40X), S16100 (250X)
L3	gc06_041422017	452150634017		14-APR-2022 19:16	S16585 (20X), S16100 (250X)
L4	gc06_041422018	452150634018		14-APR-2022 19:33	S16585 (8X), S16100 (250X)
L5	gc06_041422019	452150634019		14-APR-2022 19:51	S16585 (4X), S16100 (250X)
L6	gc06_041422020	452150634020		14-APR-2022 20:09	S16585 (2.667X), S16100 (250X)
L7	gc06_041422021	452150634021		14-APR-2022 20:26	S16585 (2X), S16100 (250X)
L8	gc06_041422022	452150634022		14-APR-2022 20:44	S16585 (1.33X), S16100 (250X)
L9	gc06_041422023	452150634023		14-APR-2022 21:01	S16585, S16100 (250X)

Analyte	Ch	Type	a0	a1	a2	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		51.1278		0.0196	12	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		23.4813		0.0426	17	9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		19.9522		0.0501	7	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		26.6618		0.0375	10	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		34.4669		0.0290	13	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		15.8917		0.0629	17	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		10.3178		0.0969	16	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		9.92526		0.1008	11	9	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		19.9568		0.0501	14	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		15.0787		0.0663	10	9	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.65776		1.5203	11	9	.99	20	
TCMX (PCB)	A	AVRG		1.03976		0.9618	12	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		53.4063		0.0187	13	8	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		25.7342		0.0389	10	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		19.5135		0.0512	8	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		28.7624		0.0348	10	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		36.7890		0.0272	8	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		16.5241		0.0605	17	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		14.3009		0.0699	15	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		10.5262		0.0950	13	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		19.4527		0.0514	13	9	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		13.1942		0.0758	14	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.82881		1.2065	11	9	.99	20	
TCMX (PCB)	B	AVRG		1.09191		0.9158	4	9	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

ENTHALPY INITIAL CALIBRATION FOR 467771 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_041422_1
Calibration #:	452150634002	Date:	14-APR-2022 18:41
Units:	ug/L	X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0231	0.0227	0.0209	0.0201	0.0187	0.0179	0.0181	0.0177	0.0170
Aroclor-1016 Peak # 2	A	0.0579	0.0492	0.0459	0.0411	0.0401	0.0377	0.0380	0.0376	0.0358
Aroclor-1016 Peak # 3	A	0.0556	0.0544	0.0533	0.0502	0.0495	0.0465	0.0475	0.0478	0.0462
Aroclor-1016 Peak # 4	A	0.0452	0.0402	0.0403	0.0373	0.0367	0.0344	0.0348	0.0349	0.0336
Aroclor-1016 Peak # 5	A	0.0366	0.0313	0.0318	0.0288	0.0282	0.0260	0.0265	0.0266	0.0254
Aroclor-1260 Peak # 1	A	0.0863	0.0696	0.0704	0.0605	0.0604	0.0546	0.0553	0.0564	0.0528
Aroclor-1260 Peak # 2	A	0.1290	0.1076	0.1081	0.0929	0.0932	0.0843	0.0856	0.0887	0.0829
Aroclor-1260 Peak # 3	A	0.1233	0.1080	0.1086	0.0954	0.0970	0.0903	0.0930	0.0985	0.0928
Aroclor-1260 Peak # 4	A	0.0649	0.0543	0.0546	0.0479	0.0490	0.0442	0.0449	0.0473	0.0440
Aroclor-1260 Peak # 5	A	0.0797	0.0687	0.0724	0.0626	0.0650	0.0598	0.0618	0.0654	0.0615
Decachlorobiphenyl (PCB)	A	1.7379	1.5882	1.7199	1.5711	1.6300	1.3467	1.3670	1.4227	1.2993
TCMX (PCB)	A	1.2458	1.0303	0.9495	0.8937	0.9019	0.8810	0.9149	0.9235	0.9152
Aroclor-1016 Peak # 1	B		0.0232	0.0215	0.0191	0.0183	0.0172	0.0173	0.0168	0.0162
Aroclor-1016 Peak # 2	B	0.0444	0.0428	0.0426	0.0397	0.0384	0.0360	0.0363	0.0355	0.0340
Aroclor-1016 Peak # 3	B	0.0572	0.0573	0.0541	0.0510	0.0506	0.0471	0.0486	0.0480	0.0473
Aroclor-1016 Peak # 4	B	0.0420	0.0372	0.0371	0.0352	0.0341	0.0320	0.0325	0.0320	0.0309
Aroclor-1016 Peak # 5	B	0.0313	0.0295	0.0290	0.0271	0.0270	0.0252	0.0256	0.0255	0.0245
Aroclor-1260 Peak # 1	B	0.0820	0.0682	0.0674	0.0585	0.0578	0.0528	0.0531	0.0540	0.0509
Aroclor-1260 Peak # 2	B	0.0913	0.0772	0.0777	0.0683	0.0672	0.0613	0.0623	0.0639	0.0601
Aroclor-1260 Peak # 3	B	0.1205	0.1032	0.1035	0.0913	0.0919	0.0839	0.0860	0.0896	0.0852
Aroclor-1260 Peak # 4	B	0.0648	0.0555	0.0557	0.0505	0.0510	0.0461	0.0439	0.0490	0.0462
Aroclor-1260 Peak # 5	B	0.0991	0.0829	0.0833	0.0720	0.0729	0.0663	0.0670	0.0713	0.0673
Decachlorobiphenyl (PCB)	B	1.4005	1.2744	1.3672	1.2436	1.2790	1.0642	1.0803	1.1172	1.0325
TCMX (PCB)	B	1.0035	0.9180	0.8869	0.8884	0.9009	0.8817	0.9159	0.9229	0.9244

ENTHALPY INITIAL CALIBRATION FOR 467771 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_041422_1
Calibration #:	452150634002	Date:	14-APR-2022 18:41
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	18	50.000	16	100.00	7	250.00	3	500.00	-4	749.91	-9	1000.0	-8	1503.8	-10
Aroclor-1016 Peak # 2	A	20.000	**36**	50.000	15	100.00	8	250.00	-3	500.00	-6	749.91	-11	1000.0	-11	1503.8	-12
Aroclor-1016 Peak # 3	A	20.000	11	50.000	9	100.00	6	250.00	0	500.00	-1	749.91	-7	1000.0	-5	1503.8	-5
Aroclor-1016 Peak # 4	A	20.000	**21**	50.000	7	100.00	8	250.00	-1	500.00	-2	749.91	-8	1000.0	-7	1503.8	-7
Aroclor-1016 Peak # 5	A	20.000	**26**	50.000	8	100.00	9	250.00	-1	500.00	-3	749.91	-11	1000.0	-9	1503.8	-8
Aroclor-1260 Peak # 1	A	20.000	**37**	50.000	11	100.00	12	250.00	-4	500.00	-4	749.91	-13	1000.0	-12	1503.8	-10
Aroclor-1260 Peak # 2	A	20.000	**33**	50.000	11	100.00	11	250.00	-4	500.00	-4	749.91	-13	1000.0	-12	1503.8	-8
Aroclor-1260 Peak # 3	A	20.000	**22**	50.000	7	100.00	8	250.00	-5	500.00	-4	749.91	-10	1000.0	-8	1503.8	-2
Aroclor-1260 Peak # 4	A	20.000	**29**	50.000	8	100.00	9	250.00	-4	500.00	-2	749.91	-12	1000.0	-10	1503.8	-6
Aroclor-1260 Peak # 5	A	20.000	20	50.000	4	100.00	9	250.00	-6	500.00	-2	749.91	-10	1000.0	-7	1503.8	-1
Decachlorobiphenyl (PCB)	A	0.8000	14	2.0000	4	4.0000	13	10.000	3	20.000	7	29.996	-11	40.000	-10	60.150	-6
TCMX (PCB)	A	0.8000	**30**	2.0000	7	4.0000	-1	10.000	-7	20.000	-6	29.996	-8	40.000	-5	60.150	-4
Aroclor-1016 Peak # 1	B			50.000	**24**	100.00	15	250.00	2	500.00	-2	749.91	-8	1000.0	-8	1503.8	-10
Aroclor-1016 Peak # 2	B	20.000	14	50.000	10	100.00	10	250.00	2	500.00	-1	749.91	-7	1000.0	-7	1503.8	-9
Aroclor-1016 Peak # 3	B	20.000	12	50.000	12	100.00	6	250.00	0	500.00	-1	749.91	-8	1000.0	-5	1503.8	-6
Aroclor-1016 Peak # 4	B	20.000	**21**	50.000	7	100.00	7	250.00	1	500.00	-2	749.91	-8	1000.0	-6	1503.8	-8
Aroclor-1016 Peak # 5	B	20.000	15	50.000	8	100.00	7	250.00	0	500.00	-1	749.91	-7	1000.0	-6	1503.8	-6
Aroclor-1260 Peak # 1	B	20.000	**35**	50.000	13	100.00	11	250.00	-3	500.00	-4	749.91	-13	1000.0	-12	1503.8	-11
Aroclor-1260 Peak # 2	B	20.000	**31**	50.000	10	100.00	11	250.00	-2	500.00	-4	749.91	-12	1000.0	-11	1503.8	-9
Aroclor-1260 Peak # 3	B	20.000	**27**	50.000	9	100.00	9	250.00	-4	500.00	-3	749.91	-12	1000.0	-10	1503.8	-6
Aroclor-1260 Peak # 4	B	20.000	**26**	50.000	8	100.00	8	250.00	-2	500.00	-1	749.91	-10	1000.0	-15	1503.8	-5
Aroclor-1260 Peak # 5	B	20.000	**31**	50.000	9	100.00	10	250.00	-5	500.00	-4	749.91	-13	1000.0	-12	1503.8	-6
Decachlorobiphenyl (PCB)	B	0.8000	16	2.0000	6	4.0000	13	10.000	3	20.000	6	29.996	-12	40.000	-10	60.150	-7
TCMX (PCB)	B	0.8000	10	2.0000	0	4.0000	-3	10.000	-3	20.000	-2	29.996	-4	40.000	0	60.150	1

ENTHALPY INITIAL CALIBRATION FOR 467771 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_041422_1
Calibration #:	452150634002	Date:	14-APR-2022 18:41
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-13
Aroclor-1016 Peak # 2	A	2000.0	-16
Aroclor-1016 Peak # 3	A	2000.0	-8
Aroclor-1016 Peak # 4	A	2000.0	-10
Aroclor-1016 Peak # 5	A	2000.0	-12
Aroclor-1260 Peak # 1	A	2000.0	-16
Aroclor-1260 Peak # 2	A	2000.0	-14
Aroclor-1260 Peak # 3	A	2000.0	-8
Aroclor-1260 Peak # 4	A	2000.0	-12
Aroclor-1260 Peak # 5	A	2000.0	-7
Decachlorobiphenyl (PCB)	A	80.000	-15
TCMX (PCB)	A	80.000	-5
Aroclor-1016 Peak # 1	B	2000.0	-14
Aroclor-1016 Peak # 2	B	2000.0	-12
Aroclor-1016 Peak # 3	B	2000.0	-8
Aroclor-1016 Peak # 4	B	2000.0	-11
Aroclor-1016 Peak # 5	B	2000.0	-10
Aroclor-1260 Peak # 1	B	2000.0	-16
Aroclor-1260 Peak # 2	B	2000.0	-14
Aroclor-1260 Peak # 3	B	2000.0	-10
Aroclor-1260 Peak # 4	B	2000.0	-10
Aroclor-1260 Peak # 5	B	2000.0	-11
Decachlorobiphenyl (PCB)	B	80.000	-14
TCMX (PCB)	B	80.000	1

TJW 04/15/22 : Manually integrated due to baseline corrections for all channels in multiple levels

Analyst: TJW 04/15/22

Reviewer: LW 04/15/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 467771 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Name:	PCB_041422_1
Calnum:	452150634002	Cal Date:	14-APR-2022

- ICV 452150634025 (gc06_041422025 14-APR-2022) stds: S16736

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	470.1	ug/L	-6	15	
Aroclor-1260	A	500.0	484.1	ug/L	-3	15	
Aroclor-1016	B	500.0	481.4	ug/L	-4	15	
Aroclor-1260	B	500.0	486.3	ug/L	-3	15	

-

Analyst: TJW 04/15/22 **Reviewer:** LW 04/15/22

ENTHALPY CONTINUING CALIBRATION FOR 467771 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	452343556002	File:	gc06_082622002	Time:	26-AUG-2022 13:56
Cal:	452150634002	Caldate:	14-APR-2022		

Standards: S17055

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	550.8	ug/L	10	15	0.0000	
Aroclor-1260	A			500.0	569.3	ug/L	14	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.5203	1.7501	20.00	23.02	ug/L	15	15	0.0000	
TCMX (PCB)	A	0.9618	1.9034	20.00	39.58	ug/L	**98**	15	0.0000	c+
Aroclor-1016	B			500.0	579.5	ug/L	**16**	15	0.0000	**c+** ***
Aroclor-1260	B			500.0	605.4	ug/L	**21**	15	0.0000	**c+** ***
Decachlorobiphenyl (PCB)	B	1.2065	1.6012	20.00	26.54	ug/L	**33**	15	0.0000	c+
TCMX (PCB)	B	0.9158	1.9823	20.00	43.29	ug/L	**116**	15	0.0000	c+

ISTD (ICAL gc06_041422016)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	6493014	8218495	26.57
1-bromo-2-nitrobenzene (PCB)	A	1831488	1919479	4.80

TRN 08/26/22 : Report from CH A

+=high bias c=CCV

Analyst: TRN 08/26/22 **Reviewer:** SLL 08/29/22

ENTHALPY CONTINUING CALIBRATION FOR 467771 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	452348138002	File:	gc06_082922002	Time:	29-AUG-2022 18:18
Cal:	452150634002	Caldate:	14-APR-2022		

Standards: S17055

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	462.3	ug/L	-8	15	0.0000	
Aroclor-1260	A			500.0	437.3	ug/L	-13	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.5203	1.2581	20.00	16.55	ug/L	**-17**	15	0.0000	c-
TCMX (PCB)	A	0.9618	1.6406	20.00	34.12	ug/L	**71**	15	0.0000	c+
Aroclor-1016	B			500.0	483.7	ug/L	-3	15	0.0000	
Aroclor-1260	B			500.0	476.2	ug/L	-5	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2065	1.2644	20.00	20.96	ug/L	5	15	0.0000	
TCMX (PCB)	B	0.9158	1.6365	20.00	35.74	ug/L	**79**	15	0.0000	c+

ISTD (ICAL gc06_041422016)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	6493014	4927157	-24.12
1-bromo-2-nitrobenzene (PCB)	A	1831488	1411407	-22.94

+=high bias -=low bias c=CCV

Analyst: TRN 08/30/22 **Reviewer:** SLL 08/30/22

Enthalpy Internal Standard Summary for Sequence 452343556

Date:	08/26/22	Reference:	gc06_041422016
Sequence:	SVOA-GC06 gc06_082622	Analyzed:	04/14/22 18:58

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	6493014	1831488
		LOWER LIMIT	3246507	915744
		UPPER LIMIT	12986028	3662976
002	CCV		8218495	1919479
054	CCV		9640442	1993573

Enthalpy Internal Standard Summary for Sequence 452343556

Date: 08/26/22 Reference: gc06_082622002
Sequence: SVOA-GC06 gc06_082622 Analyzed: 08/26/22 13:56

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	8218495	1919479
		LOWER LIMIT	4109247	959740
		UPPER LIMIT	16436989	3838958
004	SAMPLE	467774-005	3485 *	706 *
006	SAMPLE	467774-005	19114025 *	3817896
013	BLANK	QC1008494	10776439	2035190
014	BS	QC1008495	9631063	1765534
015	BSD	QC1008496	8789073	1599891
016	SAMPLE	467767-001	7402786	1492388
017	SAMPLE	467769-004	7173330	1417500
018	SAMPLE	467771-001	8084283	1602079
019	SAMPLE	467771-003	8704926	1713222
020	SAMPLE	467771-005	8868625	1726643
021	SAMPLE	467771-007	25654111 *	4986268 *
022	SAMPLE	467774-001	26203321 *	5088749 *
023	SAMPLE	467774-003	10056210	1995906
024	SAMPLE	467774-007	24316230 *	4621759 *
025	SAMPLE	467872-039	8592765	1664480
026	SAMPLE	467872-041	8065302	1581957
027	SAMPLE	467872-044	16256538	3118391
028	SAMPLE	467872-046	8655156	1701107
029	SAMPLE	467872-048	8784782	1730339
030	BLANK	QC1008491	8469873	1541915
031	BS	QC1008492	7747147	1544213
032	BSD	QC1008493	7674423	1573816
033	SAMPLE	467872-001	7918075	1559928
034	SAMPLE	467872-003	8533392	1634001
035	SAMPLE	467872-005	9827992	1840514
036	SAMPLE	467872-007	7714453	1457825
037	SAMPLE	467872-008	10457717	1942460
038	SAMPLE	467872-010	7831157	1486306
039	SAMPLE	467872-012	6840643	1340797
040	SAMPLE	467872-014	7589971	1402635
041	SAMPLE	467872-016	9279861	1756314
042	SAMPLE	467872-018	8125603	1506070

Enthalpy Internal Standard Summary for Sequence 452343556

Date:	08/26/22	Reference:	gc06_082622002
Sequence:	SVOA-GC06 gc06_082622	Analyzed:	08/26/22 13:56

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.13	4.36
		LOWER LIMIT	3.93	4.16
		UPPER LIMIT	4.33	4.56
004	SAMPLE	467774-005	4.12	4.28
006	SAMPLE	467774-005	4.13	4.36
013	BLANK	QC1008494	4.13	4.36
014	BS	QC1008495	4.13	4.36
015	BSD	QC1008496	4.13	4.36
016	SAMPLE	467767-001	4.12	4.36
017	SAMPLE	467769-004	4.12	4.36
018	SAMPLE	467771-001	4.13	4.36
019	SAMPLE	467771-003	4.13	4.36
020	SAMPLE	467771-005	4.12	4.36
021	SAMPLE	467771-007	4.12	4.36
022	SAMPLE	467774-001	4.12	4.35
023	SAMPLE	467774-003	4.12	4.35
024	SAMPLE	467774-007	4.13	4.36
025	SAMPLE	467872-039	4.12	4.36
026	SAMPLE	467872-041	4.12	4.36
027	SAMPLE	467872-044	4.13	4.36
028	SAMPLE	467872-046	4.13	4.36
029	SAMPLE	467872-048	4.12	4.36
030	BLANK	QC1008491	4.12	4.36
031	BS	QC1008492	4.12	4.36
032	BSD	QC1008493	4.13	4.36
033	SAMPLE	467872-001	4.12	4.36
034	SAMPLE	467872-003	4.12	4.36
035	SAMPLE	467872-005	4.12	4.36
036	SAMPLE	467872-007	4.12	4.36
037	SAMPLE	467872-008	4.12	4.36
038	SAMPLE	467872-010	4.12	4.36
039	SAMPLE	467872-012	4.12	4.36
040	SAMPLE	467872-014	4.12	4.36
041	SAMPLE	467872-016	4.12	4.36
042	SAMPLE	467872-018	4.12	4.36

Enthalpy Internal Standard Summary for Sequence 452348138

Date:	08/29/22	Reference:	gc06_041422016
Sequence:	SVOA-GC06 gc06_082922	Analyzed:	04/14/22 18:58

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	6493014	1831488
		LOWER LIMIT	3246507	915744
		UPPER LIMIT	12986028	3662976
002	CCV		4927157	1411407

Enthalpy Internal Standard Summary for Sequence 452348138

Date:	08/29/22	Reference:	gc06_082922002
Sequence:	SVOA-GC06 gc06_082922	Analyzed:	08/29/22 18:18

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4927157	1411407
		LOWER LIMIT	2463578	705704
		UPPER LIMIT	9854313	2822815
008	SAMPLE	467771-007	4587783	1187586
009	SAMPLE	467774-001	4300924	1120625
010	SAMPLE	467774-007	4383286	1120854
011	SAMPLE	467872-031	4187435	1052884

Enthalpy Internal Standard Summary for Sequence 452348138

Date:	08/29/22	Reference:	gc06_082922002
Sequence:	SVOA-GC06 gc06_082922	Analyzed:	08/29/22 18:18

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.12	4.36
		LOWER LIMIT	3.92	4.16
		UPPER LIMIT	4.32	4.56
008	SAMPLE	467771-007	4.12	4.36
009	SAMPLE	467774-001	4.12	4.36
010	SAMPLE	467774-007	4.12	4.36
011	SAMPLE	467872-031	4.12	4.36

Enthalpy Sequence Summary for Sequence 452150634

Instrument: SVOA-GC06 Begun: 04/14/22 14:34
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	gc06_041422001	UNKNOWN	HEXANE			04/14/22 14:34	1.0	1	4:DDD44=1100
002	gc06_041422002	PEM				04/14/22 14:52	1.0	2	
003	gc06_041422003	UNKNOWN	HEXANE			04/14/22 15:10	1.0	1	3:GCHLORDANE=5600
004	gc06_041422004	ICAL				04/14/22 15:27	1.0	3 4	
005	gc06_041422005	ICAL				04/14/22 15:45	1.0	3 4	
006	gc06_041422006	ICAL				04/14/22 16:02	1.0	3 4	
007	gc06_041422007	ICAL				04/14/22 16:20	1.0	3 4	
008	gc06_041422008	ICAL				04/14/22 16:38	1.0	3 4	
009	gc06_041422009	ICAL				04/14/22 16:55	1.0	3 4	
010	gc06_041422010	ICAL				04/14/22 17:13	1.0	3 4	
011	gc06_041422011	ICAL				04/14/22 17:30	1.0	3 4	
012	gc06_041422012	UNKNOWN	HEXANE			04/14/22 17:48	1.0	1	2:GCHLORDANE=4300
013	gc06_041422013	ICV				04/14/22 18:05	1.0	5	
014	gc06_041422014	UNKNOWN	HEXANE			04/14/22 18:23	1.0	1	
015	gc06_041422015	ICAL				04/14/22 18:41	1.0	6 4	
016	gc06_041422016	ICAL				04/14/22 18:58	1.0	6 4	
017	gc06_041422017	ICAL				04/14/22 19:16	1.0	6 4	
018	gc06_041422018	ICAL				04/14/22 19:33	1.0	6 4	
019	gc06_041422019	ICAL				04/14/22 19:51	1.0	6 4	
020	gc06_041422020	ICAL				04/14/22 20:09	1.0	6 4	
021	gc06_041422021	ICAL				04/14/22 20:26	1.0	6 4	
022	gc06_041422022	ICAL				04/14/22 20:44	1.0	6 4	
023	gc06_041422023	ICAL				04/14/22 21:01	1.0	6 4	
024	gc06_041422024	UNKNOWN	HEXANE			04/14/22 21:19	1.0	1	7:GCHLORDANE=44000
025	gc06_041422025	ICV				04/14/22 21:37	1.0	7	

TJW 04/15/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 1 through 25.

Standards Used:
1=S16324 2=S16226 3=S16727 4=S16100 5=S16619 6=S16585 7=S16736

Enthalpy Sequence Summary for Sequence 452343556

Instrument: SVOA-GC06 Begun: 08/26/22 13:56
Method: EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc06_082622002	CCV				08/26/22 13:56	1.0	1	
004	gc06_082622004	SAMPLE	467774-005	Wipe	295632	08/26/22 14:32	1.0	2	2:PCB1016#1=2800
006	gc06_082622006	SAMPLE	467774-005	Wipe	295632	08/26/22 14:58	1.0	2	
013	gc06_082622013	BLANK	QC1008494	Wipe	295632	08/26/22 17:17	1.0	2	
014	gc06_082622014	BS	QC1008495	Wipe	295632	08/26/22 17:35	1.0	2	
015	gc06_082622015	BSD	QC1008496	Wipe	295632	08/26/22 17:52	1.0	2	
016	gc06_082622016	SAMPLE	467767-001	Wipe	295632	08/26/22 18:10	1.0	2	
017	gc06_082622017	SAMPLE	467769-004	Wipe	295632	08/26/22 18:27	1.0	2	
018	gc06_082622018	SAMPLE	467771-001	Wipe	295632	08/26/22 18:44	1.0	2	
019	gc06_082622019	SAMPLE	467771-003	Wipe	295632	08/26/22 19:02	1.0	2	
020	gc06_082622020	SAMPLE	467771-005	Wipe	295632	08/26/22 19:19	1.0	2	
021	gc06_082622021	SAMPLE	467771-007	Wipe	295632	08/26/22 19:37	1.0	2	
022	gc06_082622022	SAMPLE	467774-001	Wipe	295632	08/26/22 19:54	1.0	2	
023	gc06_082622023	SAMPLE	467774-003	Wipe	295632	08/26/22 20:12	1.0	2	
024	gc06_082622024	SAMPLE	467774-007	Wipe	295632	08/26/22 20:29	1.0	2	
025	gc06_082622025	SAMPLE	467872-039	Wipe	295632	08/26/22 20:46	1.0	2	
026	gc06_082622026	SAMPLE	467872-041	Wipe	295632	08/26/22 21:04	1.0	2	
027	gc06_082622027	SAMPLE	467872-044	Wipe	295632	08/26/22 21:21	1.0	2	
028	gc06_082622028	SAMPLE	467872-046	Wipe	295632	08/26/22 21:39	1.0	2	
029	gc06_082622029	SAMPLE	467872-048	Wipe	295632	08/26/22 21:56	1.0	2	
030	gc06_082622030	BLANK	QC1008491	Wipe	295631	08/26/22 22:13	1.0	2	
031	gc06_082622031	BS	QC1008492	Wipe	295631	08/26/22 22:31	1.0	2	
032	gc06_082622032	BSD	QC1008493	Wipe	295631	08/26/22 22:48	1.0	2	
033	gc06_082622033	SAMPLE	467872-001	Wipe	295631	08/26/22 23:06	1.0	2	
034	gc06_082622034	SAMPLE	467872-003	Wipe	295631	08/26/22 23:23	1.0	2	
035	gc06_082622035	SAMPLE	467872-005	Wipe	295631	08/26/22 23:40	1.0	2	
036	gc06_082622036	SAMPLE	467872-007	Wipe	295631	08/26/22 23:58	1.0	2	
037	gc06_082622037	SAMPLE	467872-008	Wipe	295631	08/27/22 00:15	1.0	2	
038	gc06_082622038	SAMPLE	467872-010	Wipe	295631	08/27/22 00:33	1.0	2	
039	gc06_082622039	SAMPLE	467872-012	Wipe	295631	08/27/22 00:50	1.0	2	
040	gc06_082622040	SAMPLE	467872-014	Wipe	295631	08/27/22 01:07	1.0	2	
041	gc06_082622041	SAMPLE	467872-016	Wipe	295631	08/27/22 01:25	1.0	2	
042	gc06_082622042	SAMPLE	467872-018	Wipe	295631	08/27/22 01:42	1.0	2	
054	gc06_082622054	CCV				08/27/22 05:11	1.0	1	
062	gc06_082622062	SAMPLE	467872-020	Wipe	295631	08/27/22 07:31	1.0	2	
063	gc06_082622063	SAMPLE	467872-022	Wipe	295631	08/27/22 07:48	1.0	2	
064	gc06_082622064	SAMPLE	467872-024	Wipe	295631	08/27/22 08:06	1.0	2	
065	gc06_082622065	SAMPLE	467872-026	Wipe	295631	08/27/22 08:23	1.0	2	
066	gc06_082622066	SAMPLE	467872-029	Wipe	295631	08/27/22 08:41	1.0	2	
067	gc06_082622067	SAMPLE	467872-031	Wipe	295631	08/27/22 08:58	1.0	2	6:PCB1260#5=16000
068	gc06_082622068	SAMPLE	467872-033	Wipe	295631	08/27/22 09:15	1.0	2	
069	gc06_082622069	SAMPLE	467872-034	Wipe	295631	08/27/22 09:33	1.0	2	
070	gc06_082622070	SAMPLE	467872-036	Wipe	295631	08/27/22 09:50	1.0	2	
071	gc06_082622071	SAMPLE	467872-037	Wipe	295631	08/27/22 10:08	1.0	2	

TRN 08/29/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 71.

Standards Used:
1=S17055 2=S17010

Enthalpy Sequence Summary for Sequence 452348138

Instrument: SVOA-GC06 Begun: 08/29/22 18:18
Method: EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used
002	gc06_082922002	CCV				08/29/22 18:18	1.0	1
008	gc06_082922008	SAMPLE	467771-007	Wipe	295632	08/29/22 19:34	1.0	2
009	gc06_082922009	SAMPLE	467774-001	Wipe	295632	08/29/22 19:51	1.0	2
010	gc06_082922010	SAMPLE	467774-007	Wipe	295632	08/29/22 20:09	1.0	2
011	gc06_082922011	SAMPLE	467872-031	Wipe	295631	08/29/22 20:26	1.0	2

TRN 08/30/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 11.

Standards Used:
1=S17055 2=S17010

SAMPLE PREPARATION SUMMARY

Batch # : 295632
Started By : EPL
Method : 3572M
Spike #1 ID : S17205
Prep Date : 24-AUG-2022 13:45
Spike #2 ID : S17022
Analysis : 8080
Finished By : EPL
Units : dm2

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
467767-001		Wipe	1	20	1	20.0		1				PCB	
467769-004		Wipe	1	20	1	20.0		1				PCB	
467771-001		Wipe	1	20	1	20.0		1				PCB	
467771-003		Wipe	1	20	1	20.0		1				PCB	
467771-005		Wipe	1	20	1	20.0		1				PCB	
467771-007		Wipe	1	20	1	20.0		1				PCB	
467774-001		Wipe	1	20	1	20.0		1				PCB	
467774-003		Wipe	1	20	1	20.0		1				PCB	
467774-005		Wipe	1	20	1	20.0		1				PCB	
467774-007		Wipe	1	20	1	20.0		1				PCB	
467872-039		Wipe	1	20	1	20.0		1				PCB	
467872-041		Wipe	1	20	1	20.0		1				PCB	
467872-044		Wipe	1	20	1	20.0		1				PCB	
467872-046		Wipe	1	20	1	20.0		1				PCB	
467872-048		Wipe	1	20	1	20.0		1				PCB	
QC1008494	BLANK	Wipe	1	10	1	10.0		.5				8080	
QC1008495	BS	Wipe	1	10	1	10.0		.5	.5			8080	
QC1008496	BSD	Wipe	1	10	1	10.0		.5	.5			8080	

TRN 08/29/22 : BS/D verify the batch

Analyst: TRN Date: 08/29/22 Reviewer: SLL Date: 08/29/22

8081/8082 Prep Log

Date/Time: 8/24/22 13:45 Initials: EPL

3572M 1-5-23 MAG

608 QC Batch#:

Matrix: WIPEJ Prep Method: ~~3580~~ Balance ID: N/A

8081 QC Batch #:

8082 QC Batch #: 295632

Sample ID	Cont. ID	Sample Initial Amount Circle one: mL g	pH is 5-9?	Extraction Equipment ID (Sox, Sonic., Shaker)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Witness ID	Comment
Blank		1 dm²	N/A	SH3	N/A	10.0			500 µL SURROGATE
LCS		↓	↓	↓	↓	↓			↓
LCSD									
467872-039	A					20.0			
-041	A								
-044	A								
-046	A								
-048	A								
467767-001	A								
467769-004	A								
467771-001	A								
-003	A								
-005	A								
-007	A								
467774-001	A								
-003	A								
-005	A								
-007	A	↓	↓	↓	↓	↓			

Methylene Chloride Lot: N/A

Exchange Solvent (Hexane) ID: 220771

Acetone-Hexane Mix ID: N/A

Sodium Sulfate Lot: N/A

Baked Sand Lot: N/A

Surrogate ID: ~~S12E1~~ 8/24 S17305 Volume: 1000 µL

Pest LCS Spike ID: N/A Volume: N/A µL

PCB LCS Spike ID: S17022 Volume: 500 µL

Pest MS/MSD Spike ID: N/A Volume: N/A µL

PCB MS/MSD Spike ID: N/A Volume: N/A µL

REPORTING SUMMARY FOR 467771 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
467771-001	Aroclor-1016	SVOA-GC06	A	08/26/22 18:44
467771-001	Aroclor-1221	SVOA-GC06	A	08/26/22 18:44
467771-001	Aroclor-1232	SVOA-GC06	A	08/26/22 18:44
467771-001	Aroclor-1242	SVOA-GC06	A	08/26/22 18:44
467771-001	Aroclor-1248	SVOA-GC06	A	08/26/22 18:44
467771-001	Aroclor-1254	SVOA-GC06	A	08/26/22 18:44
467771-001	Aroclor-1260	SVOA-GC06	A	08/26/22 18:44
467771-001	Aroclor-1262	SVOA-GC06	A	08/26/22 18:44
467771-001	Aroclor-1268	SVOA-GC06	A	08/26/22 18:44
467771-001	TCMX (PCB)	SVOA-GC06	A	08/26/22 18:44
467771-001	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/26/22 18:44
467771-003	Aroclor-1016	SVOA-GC06	A	08/26/22 19:02
467771-003	Aroclor-1221	SVOA-GC06	A	08/26/22 19:02
467771-003	Aroclor-1232	SVOA-GC06	A	08/26/22 19:02
467771-003	Aroclor-1242	SVOA-GC06	A	08/26/22 19:02
467771-003	Aroclor-1248	SVOA-GC06	A	08/26/22 19:02
467771-003	Aroclor-1254	SVOA-GC06	A	08/26/22 19:02
467771-003	Aroclor-1260	SVOA-GC06	A	08/26/22 19:02
467771-003	Aroclor-1262	SVOA-GC06	A	08/26/22 19:02
467771-003	Aroclor-1268	SVOA-GC06	A	08/26/22 19:02
467771-003	TCMX (PCB)	SVOA-GC06	A	08/26/22 19:02
467771-003	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/26/22 19:02
467771-005	Aroclor-1016	SVOA-GC06	A	08/26/22 19:19
467771-005	Aroclor-1221	SVOA-GC06	A	08/26/22 19:19
467771-005	Aroclor-1232	SVOA-GC06	A	08/26/22 19:19
467771-005	Aroclor-1242	SVOA-GC06	A	08/26/22 19:19
467771-005	Aroclor-1248	SVOA-GC06	A	08/26/22 19:19
467771-005	Aroclor-1254	SVOA-GC06	A	08/26/22 19:19
467771-005	Aroclor-1260	SVOA-GC06	A	08/26/22 19:19
467771-005	Aroclor-1262	SVOA-GC06	A	08/26/22 19:19
467771-005	Aroclor-1268	SVOA-GC06	A	08/26/22 19:19
467771-005	TCMX (PCB)	SVOA-GC06	A	08/26/22 19:19
467771-005	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/26/22 19:19
467771-007	Aroclor-1016	SVOA-GC06	B	08/29/22 19:34
467771-007	Aroclor-1221	SVOA-GC06	B	08/29/22 19:34
467771-007	Aroclor-1232	SVOA-GC06	B	08/29/22 19:34
467771-007	Aroclor-1242	SVOA-GC06	B	08/29/22 19:34
467771-007	Aroclor-1248	SVOA-GC06	B	08/29/22 19:34
467771-007	Aroclor-1254	SVOA-GC06	B	08/29/22 19:34
467771-007	Aroclor-1260	SVOA-GC06	B	08/29/22 19:34
467771-007	Aroclor-1262	SVOA-GC06	B	08/29/22 19:34
467771-007	Aroclor-1268	SVOA-GC06	B	08/29/22 19:34
467771-007	TCMX (PCB)	SVOA-GC06	B	08/29/22 19:34
467771-007	Decachlorobiphenyl (PCB)	SVOA-GC06	B	08/29/22 19:34
QC1008494	Aroclor-1016	SVOA-GC06	A	08/26/22 17:17
QC1008494	Aroclor-1221	SVOA-GC06	A	08/26/22 17:17
QC1008494	Aroclor-1232	SVOA-GC06	A	08/26/22 17:17
QC1008494	Aroclor-1242	SVOA-GC06	A	08/26/22 17:17
QC1008494	Aroclor-1248	SVOA-GC06	A	08/26/22 17:17
QC1008494	Aroclor-1254	SVOA-GC06	A	08/26/22 17:17

REPORTING SUMMARY FOR 467771 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
QC1008494	Aroclor-1260	SVOA-GC06	A	08/26/22 17:17
QC1008494	Aroclor-1262	SVOA-GC06	A	08/26/22 17:17
QC1008494	Aroclor-1268	SVOA-GC06	A	08/26/22 17:17
QC1008494	TCMX (PCB)	SVOA-GC06	A	08/26/22 17:17
QC1008494	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/26/22 17:17
QC1008495	Aroclor-1016	SVOA-GC06	A	08/26/22 17:35
QC1008495	Aroclor-1260	SVOA-GC06	A	08/26/22 17:35
QC1008495	TCMX (PCB)	SVOA-GC06	A	08/26/22 17:35
QC1008495	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/26/22 17:35
QC1008496	Aroclor-1016	SVOA-GC06	A	08/26/22 17:52
QC1008496	Aroclor-1260	SVOA-GC06	A	08/26/22 17:52
QC1008496	TCMX (PCB)	SVOA-GC06	A	08/26/22 17:52
QC1008496	Decachlorobiphenyl (PCB)	SVOA-GC06	A	08/26/22 17:52

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	467771-001	Client ID:	DOOR-N-0.3GE-PS-20-220822-P-LA
Seqnum:	452343556018	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_082622018	Batch:	295632	Time:	26-AUG-2022 18:44
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	53.80	~~1.1~~ ~~FP~~	0.23	130%	1.0		x u
Aroclor-1016 Peak # 1	A	51.34	1.03	0.59	55%			
Aroclor-1016 Peak # 2	A	8.604	0.17	0.18	3%			
Aroclor-1016 Peak # 3	A	2.946	0.06	0.23	118%			
Aroclor-1016 Peak # 4	A	116.2	2.32	0.13	179%			
Aroclor-1016 Peak # 5	A	89.91	1.80	0.02	195%			
Aroclor-1221	A		ND			1.0		u
Aroclor-1232	A		ND			1.0		u
Aroclor-1242	A		ND			1.0		u
Aroclor-1248	A		ND			1.0		u
Aroclor-1254	A		ND			1.0		u
Aroclor-1260	A	39.06	ND	0.28	95%	1.0		u
Aroclor-1260 Peak # 1	A	28.74	0.57	0.06	164%			
Aroclor-1260 Peak # 2	A	2.953	0.06	0.96	177%			
Aroclor-1260 Peak # 3	A	6.746	0.13	0.18	27%			
Aroclor-1260 Peak # 4	A	38.32	0.77	0.05	177%			
Aroclor-1260 Peak # 5	A	118.5	2.37	0.15	176%			
Aroclor-1262	A		ND			1.0		u
Aroclor-1268	A		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	47.22	1.000	0.9443	94	52-186	c+ u
Decachlorobiphenyl (PCB)	A	37.68	1.000	0.7536	75	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_082622002)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8218495	8084283	-1.63
1-bromo-2-nitrobenzene (PCB)	A	1919479	1602079	-16.54

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

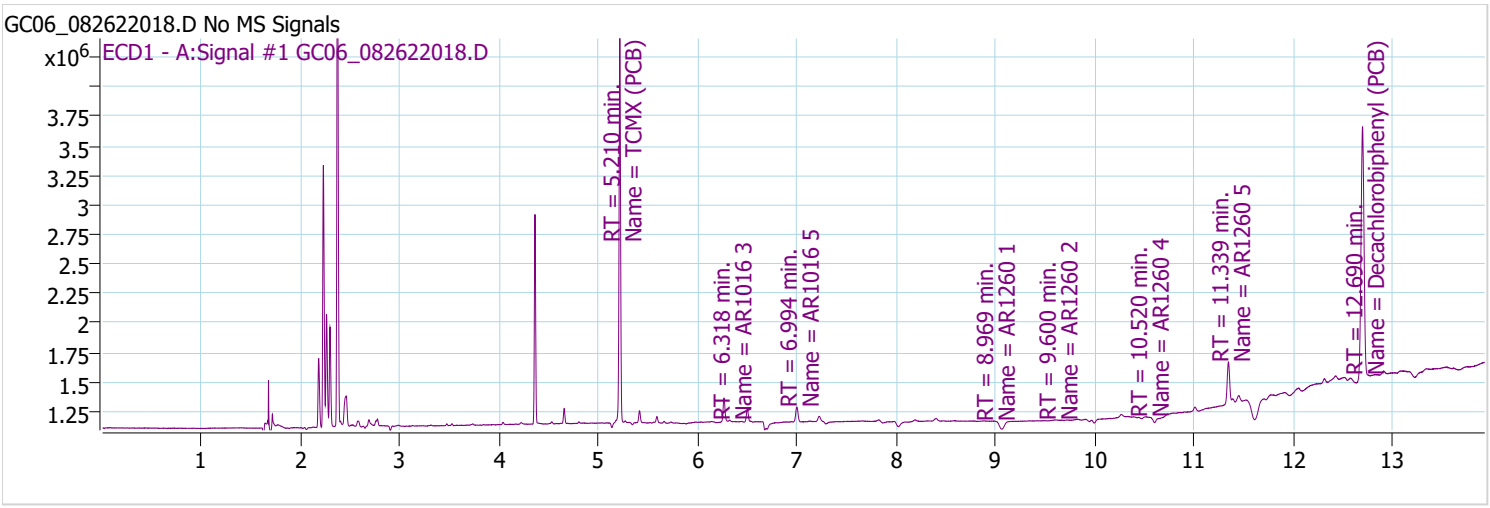
ISTD (CCV gc06_082622002)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.13	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

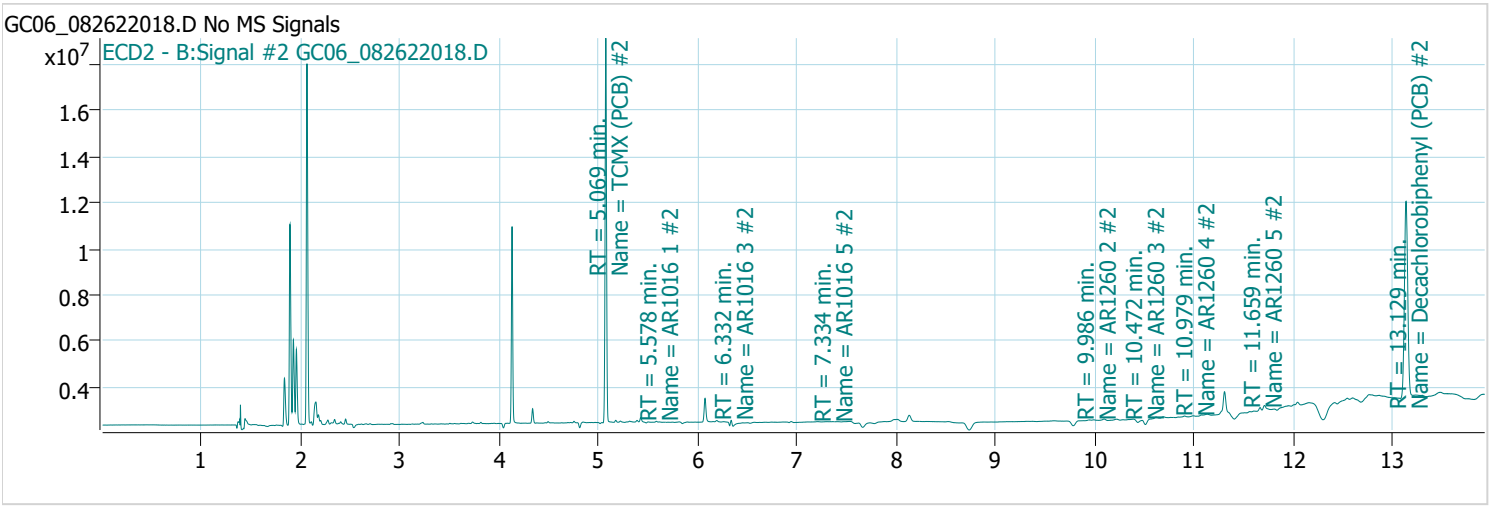
Analyst: TRN 08/29/22

Reviewer: SLL 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622018.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/26/2022 6:44:53 PM
Sample Name	467771-001, 295632, 1	Instrument	SVOA-GC06
Vial	8	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



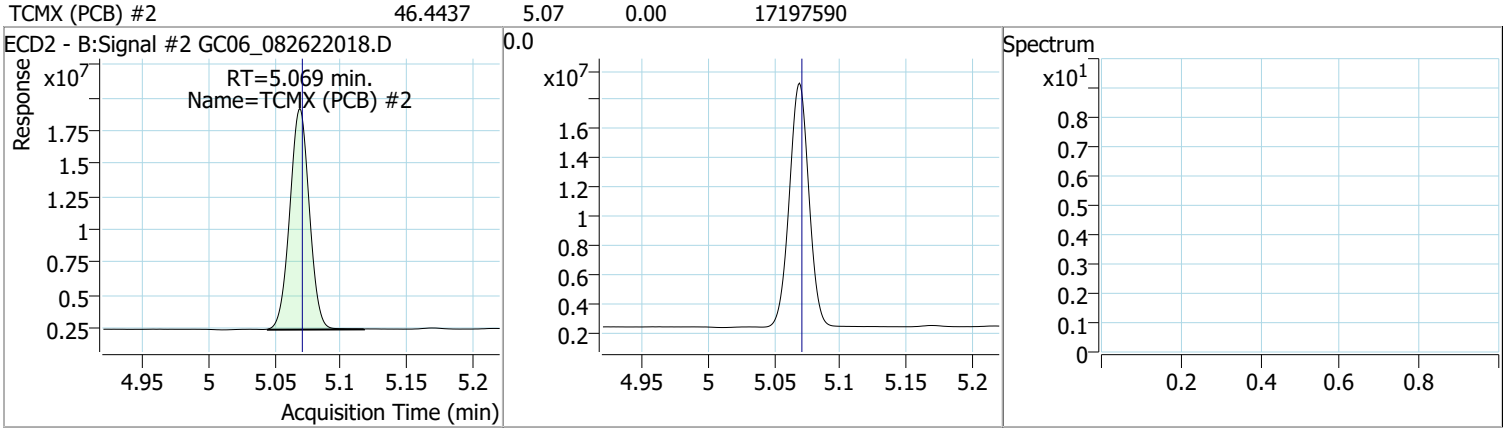


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.125	0.0	8084283.085	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.356	0.0	1602078.860	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB) #2	5.069	0.0	17197590.277	46.4437	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 232.22%		*	
S TCMX (PCB)	5.210	0.0	3637655.601	47.2051	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 236.03%		*	
S Decachlorobiphenyl (PCB)	12.690	0.0	4588647.391	37.6696	ng/ml		-0.016
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 188.35%		*	
S Decachlorobiphenyl (PCB) #2	13.129	0.0	20040093.103	41.0807	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 205.40%		*	
Target Compounds							QValue

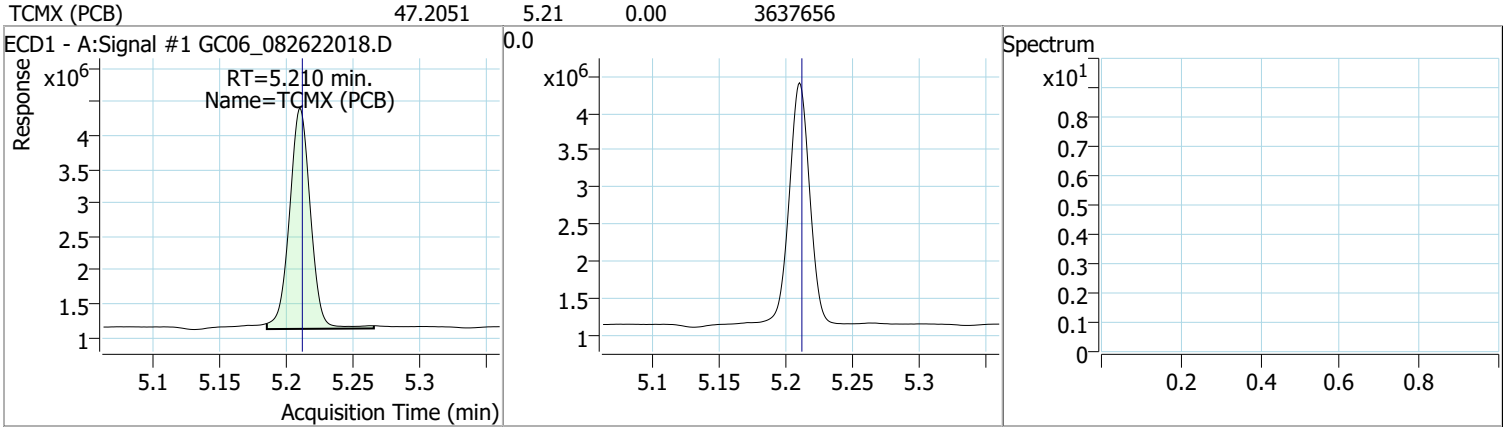
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.578	0.0	222051.244	29.3304	ng/ml	100
T AR1016 1	5.583	0.0	80438.971	51.3293	ng/ml	100
T AR1016 2 #2	5.890	0.0	139755.638	8.8954	ng/ml	100
T AR1016 2	5.976	0.0	29352.131	8.6021	ng/ml	100
T AR1016 3 #2	6.332	0.0	237867.175	11.4802	ng/ml	100
T AR1016 3	6.318	0.0	11827.051	2.9451	ng/ml	100
T AR1016 4	6.573	0.0	349181.488	116.1929	ng/ml	100
T AR1016 4 #2	6.566	0.0	91076.239	6.4791	ng/ml	100
T AR1016 5	6.994	0.0	208957.035	89.8876	ng/ml	100
T AR1016 5 #2	7.334	0.0	13170.641	1.1984	ng/ml	100
T AR1260 1	8.969	0.0	144863.502	28.7325	ng/ml	100
T AR1260 1 #2	9.574	0.0	69213.812	2.8288	ng/ml	100
T AR1260 2	9.600	0.0	22926.639	2.9524	ng/ml	100
T AR1260 2 #2	9.986	0.0	1352260.984	47.8307	ng/ml	100
T AR1260 3	10.186	0.0	54445.440	6.7443	ng/ml	100
T AR1260 3 #2	10.472	0.0	339030.422	8.8265	ng/ml	100
T AR1260 4	10.520	0.0	153792.706	38.3058	ng/ml	100
T AR1260 4 #2	10.979	0.0	47758.092	2.2978	ng/ml	100
T AR1260 5	11.339	0.0	629723.762	118.5073	ng/ml	100
T AR1260 5 #2	11.659	0.0	233782.752	7.6291	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

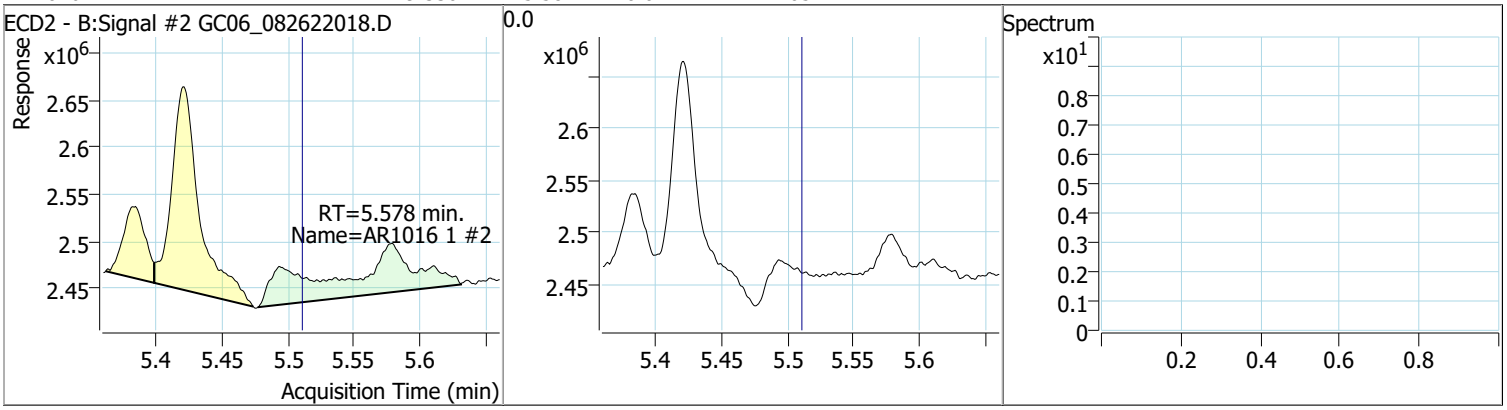
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	46.4437	5.07	0.00	17197590				



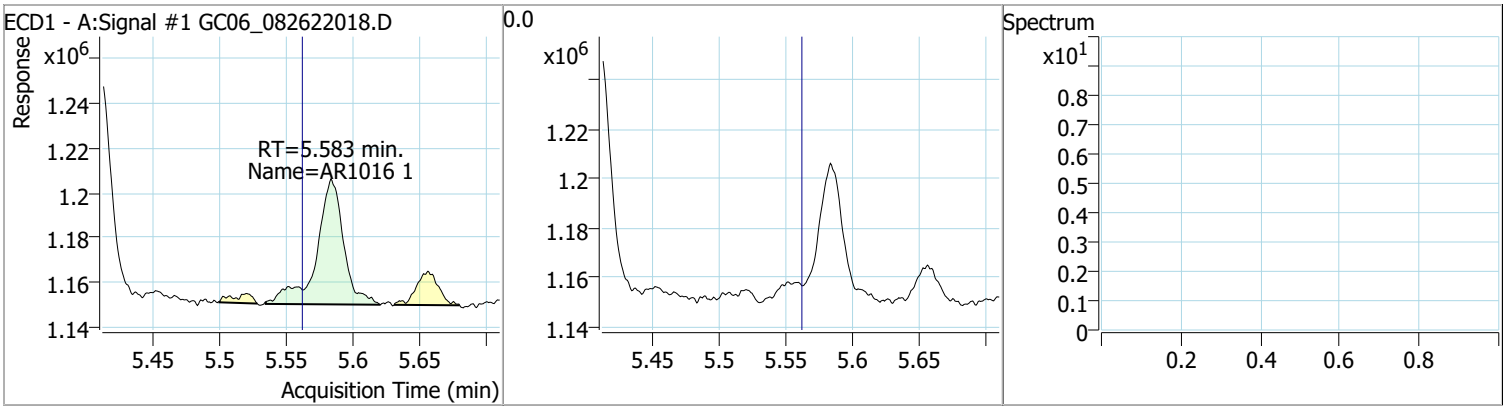
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	47.2051	5.21	0.00	3637656				



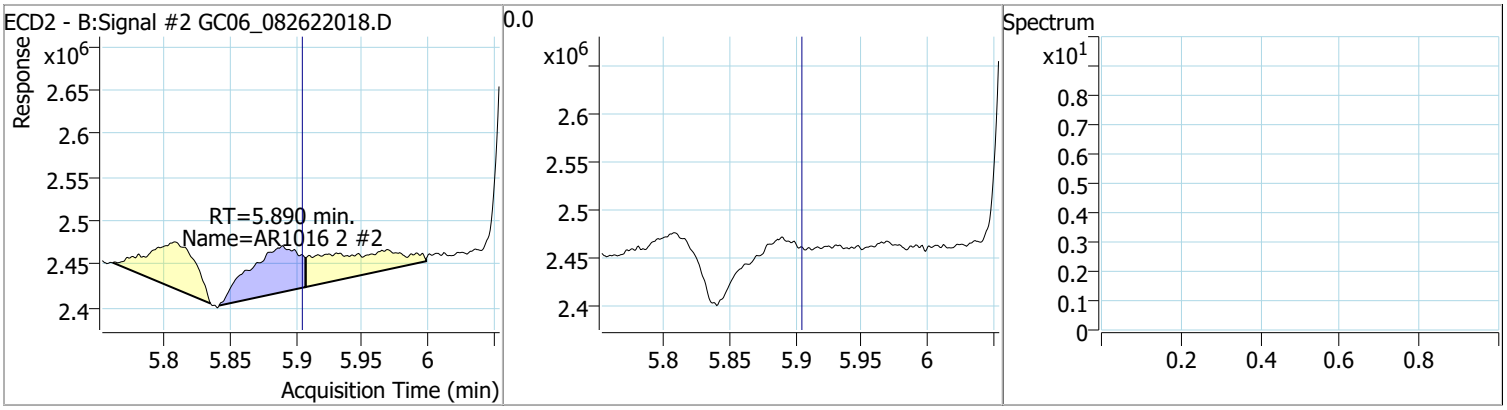
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	29.3304	5.58	0.07	222051				



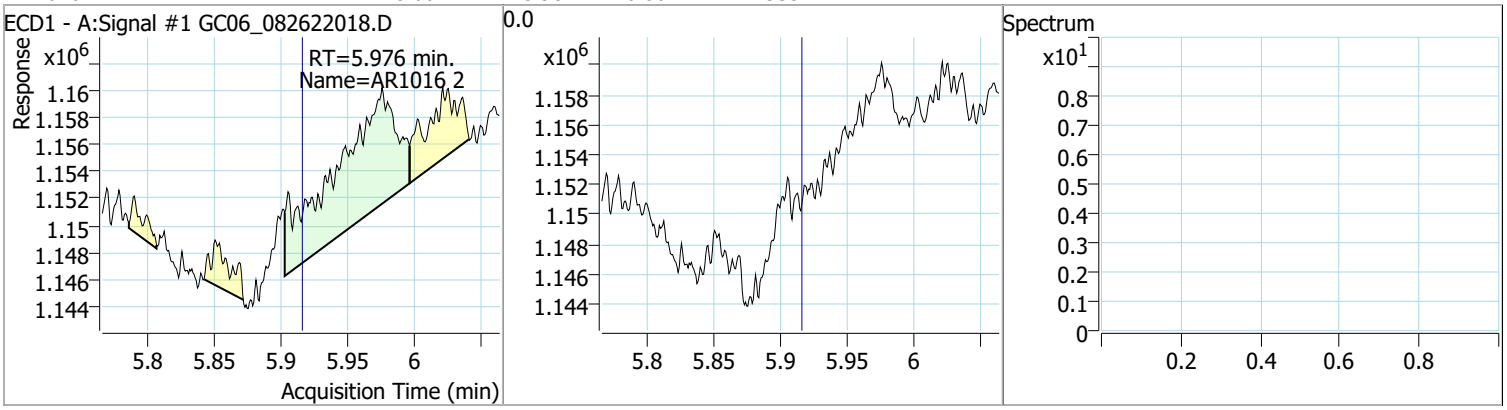
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	51.3293	5.58	0.02	80439				



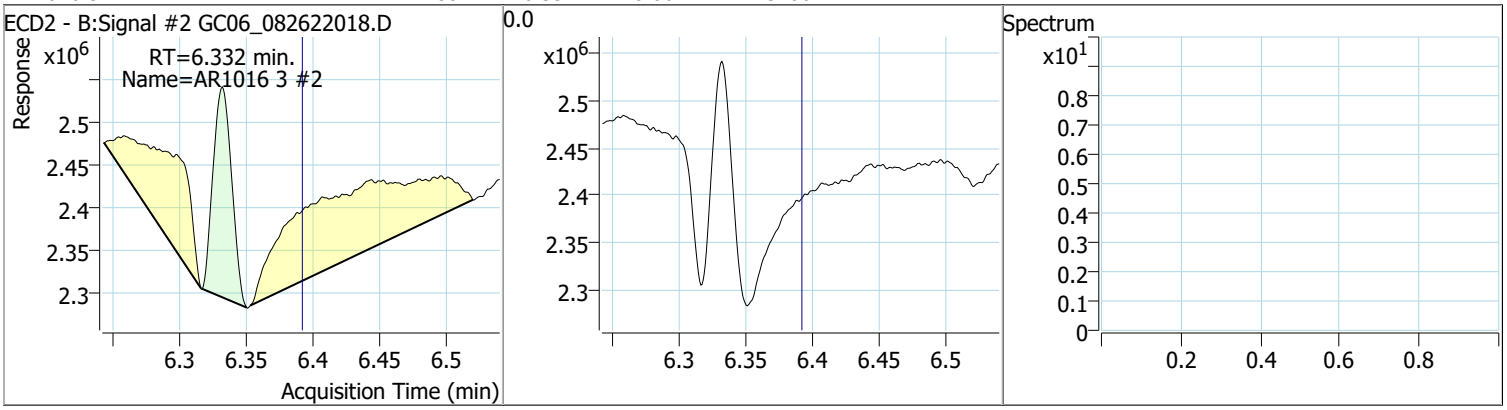
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	8.8954	5.89	-0.01	139756				



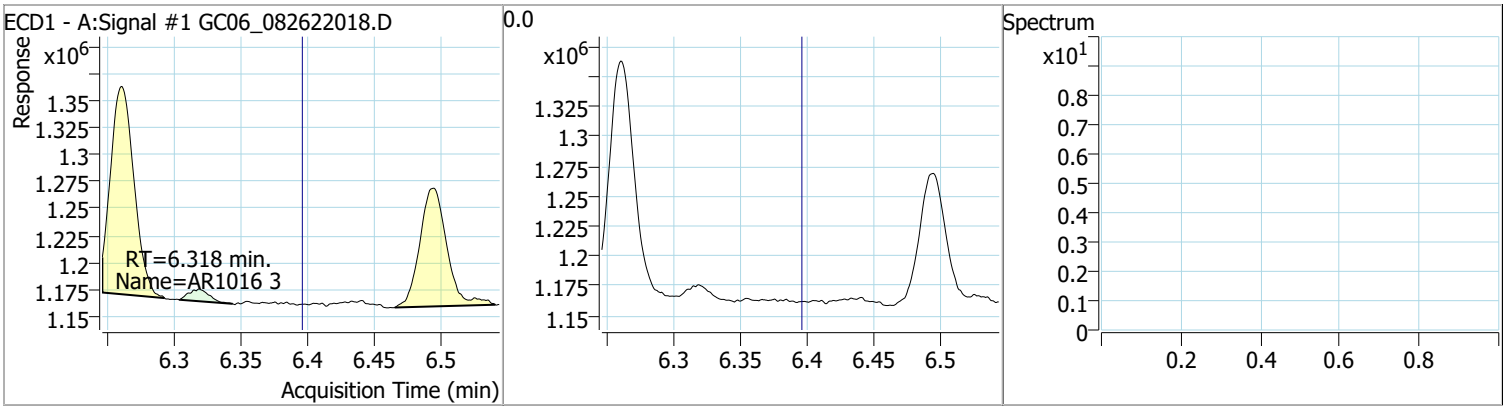
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	8.6021	5.98	0.06	29352				



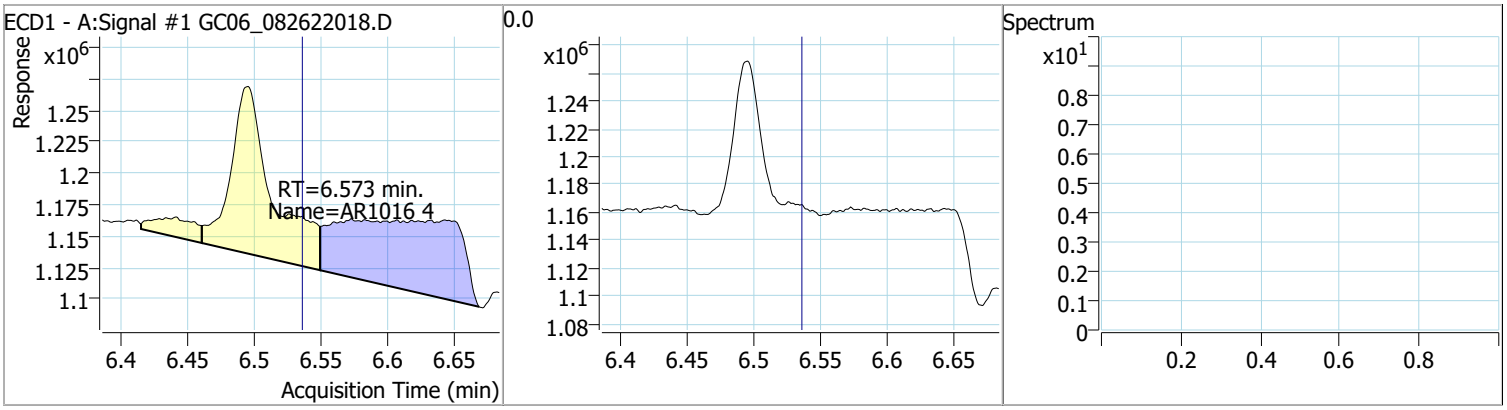
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	11.4802	6.33	-0.06	237867				



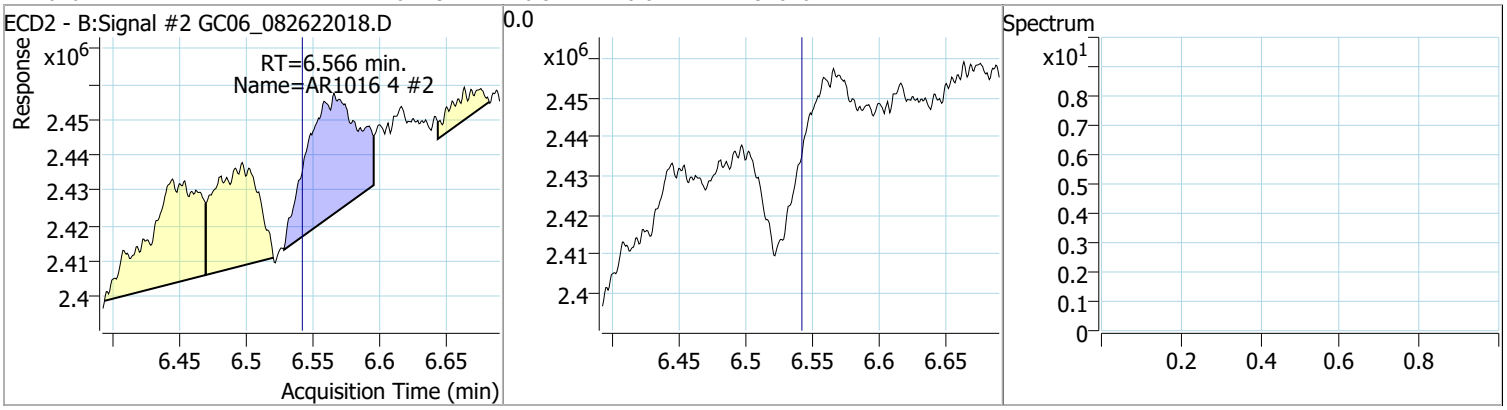
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	2.9451	6.32	-0.08	11827				



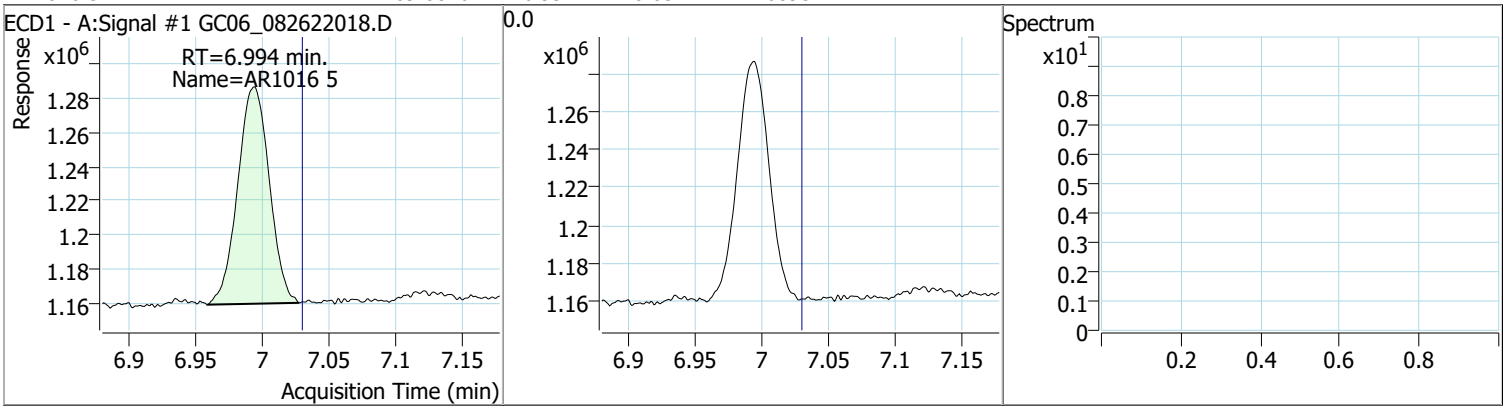
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	116.1929	6.57	0.04	349181				



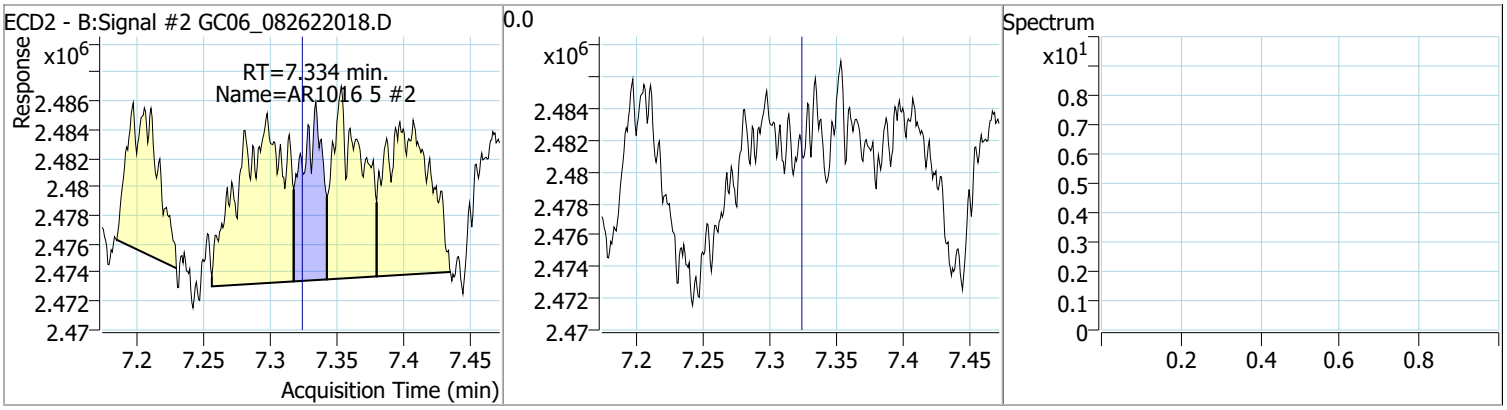
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	6.4791	6.57	0.02	91076				



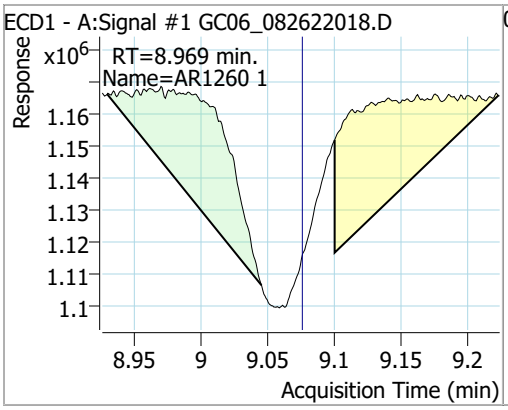
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	89.8876	6.99	-0.03	208957				

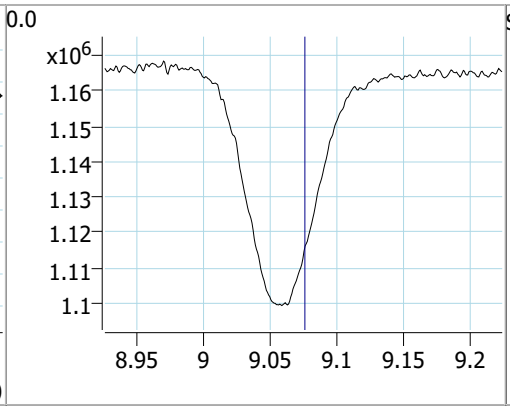


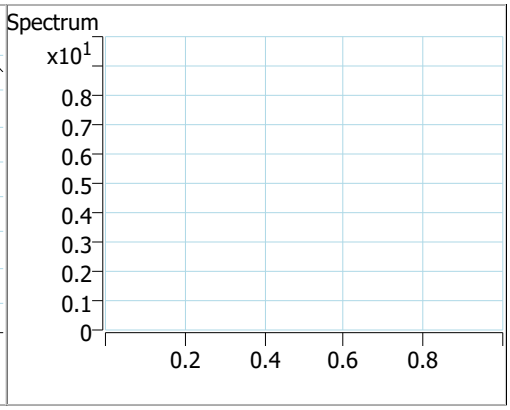
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.1984	7.33	0.01	13171				



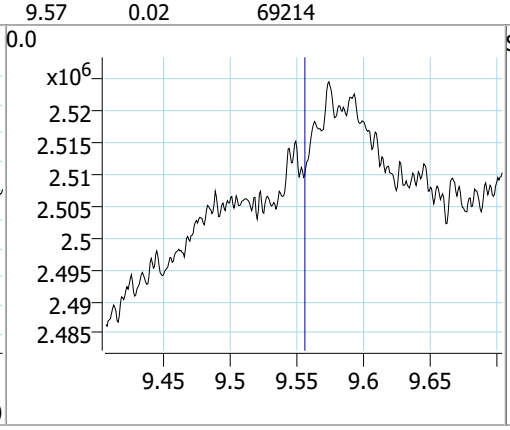
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	28.7325	8.97	-0.11	144864				

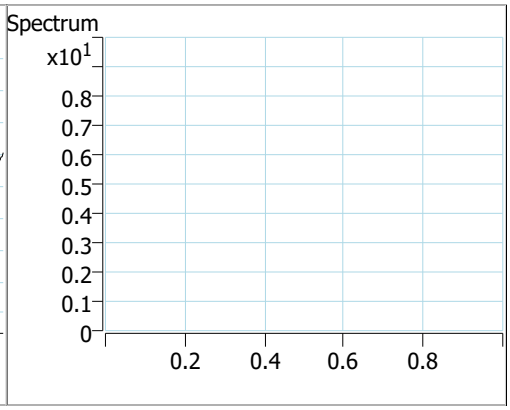




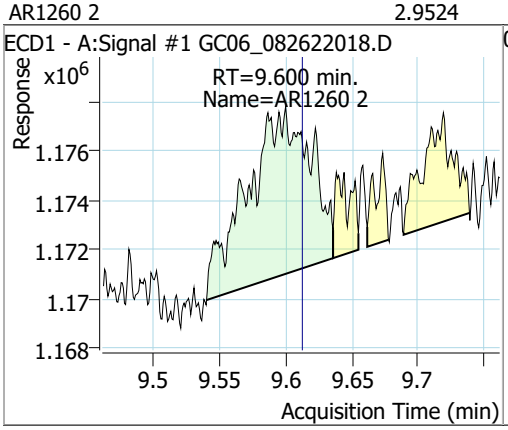


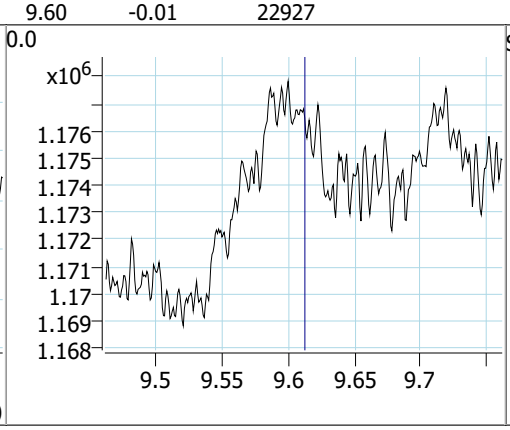
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	2.8288	9.57	0.02	69214				

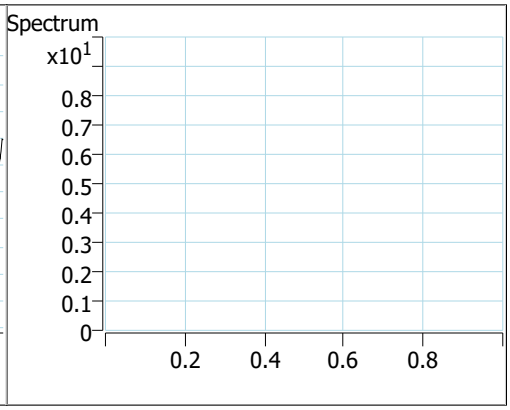




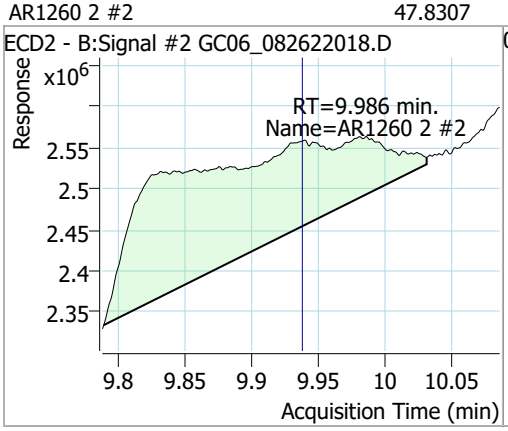
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2.9524	9.60	-0.01	22927				

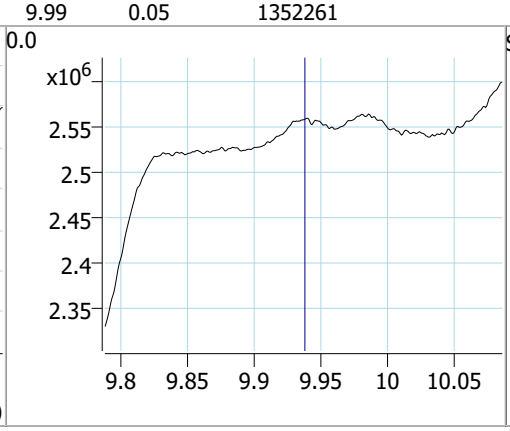


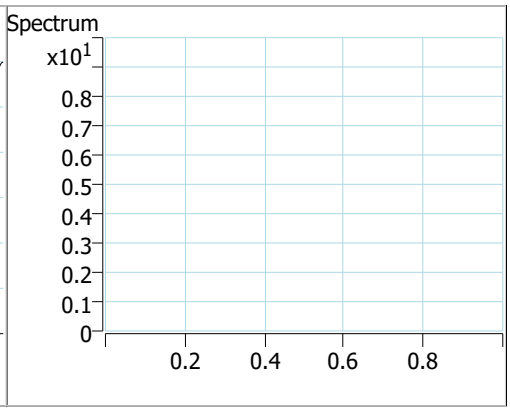




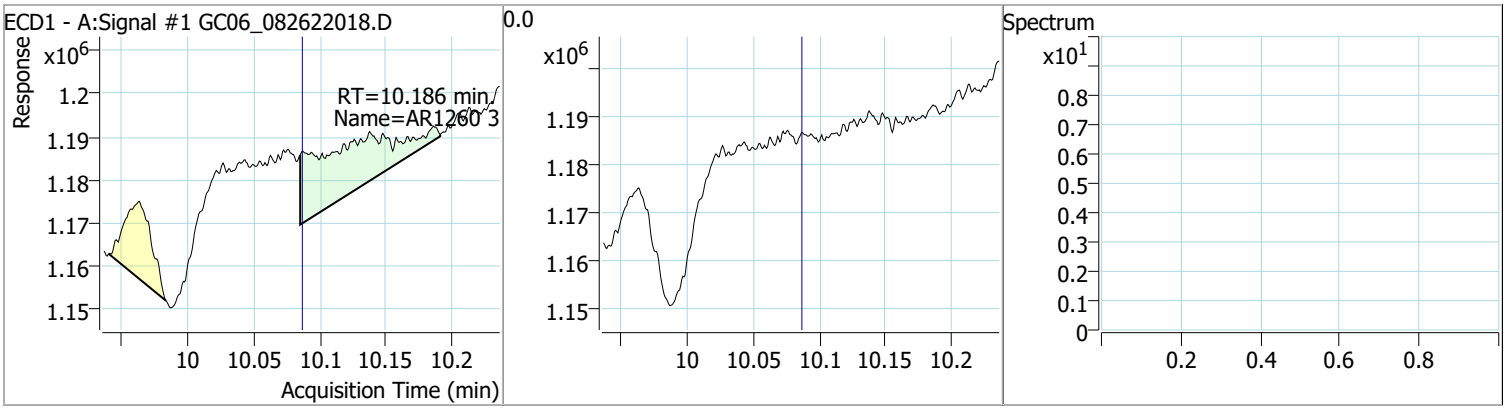
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	47.8307	9.99	0.05	1352261				



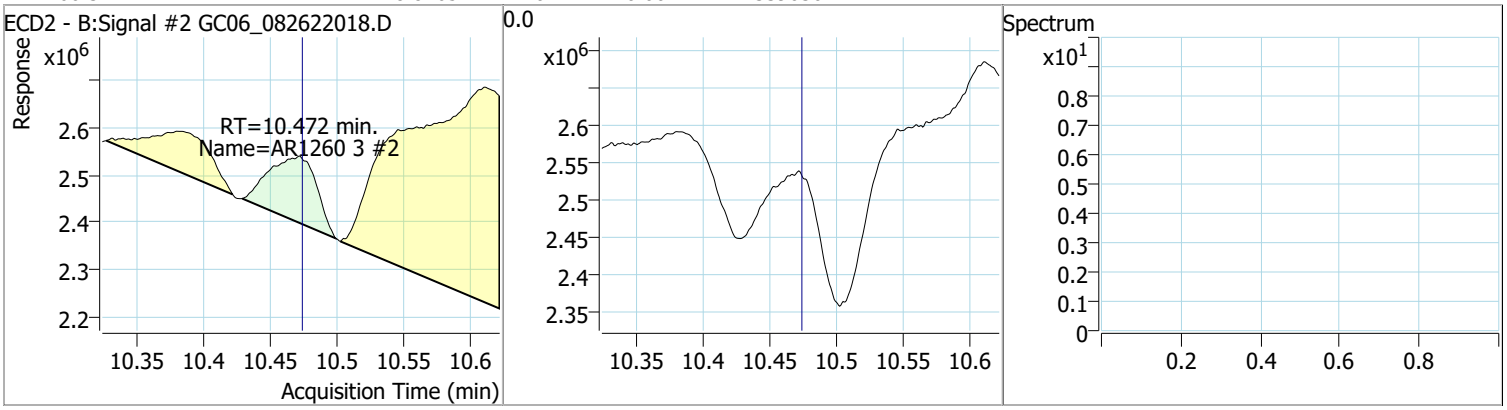




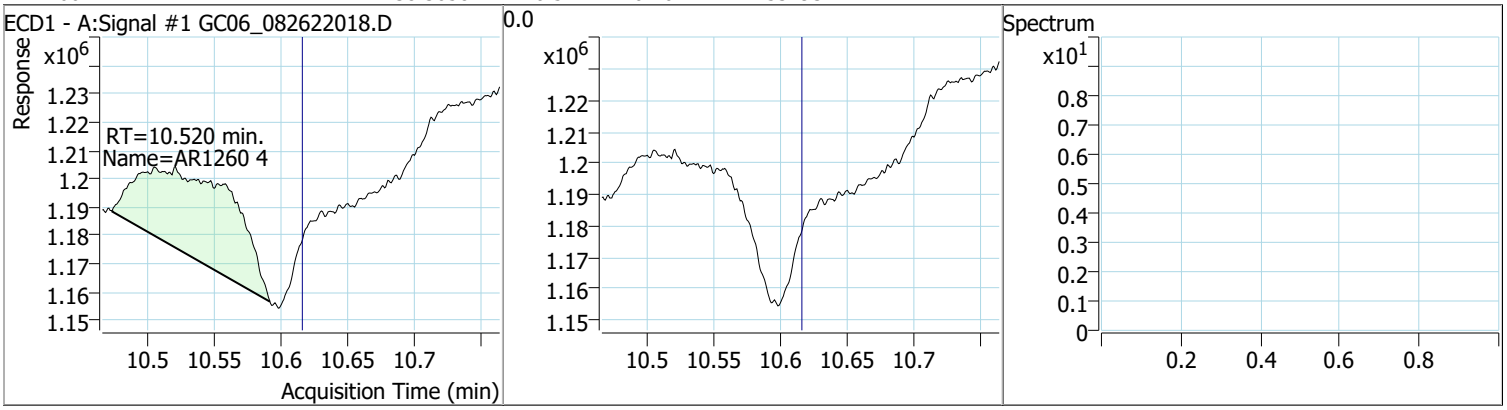
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	6.7443	10.19	0.10	54445				



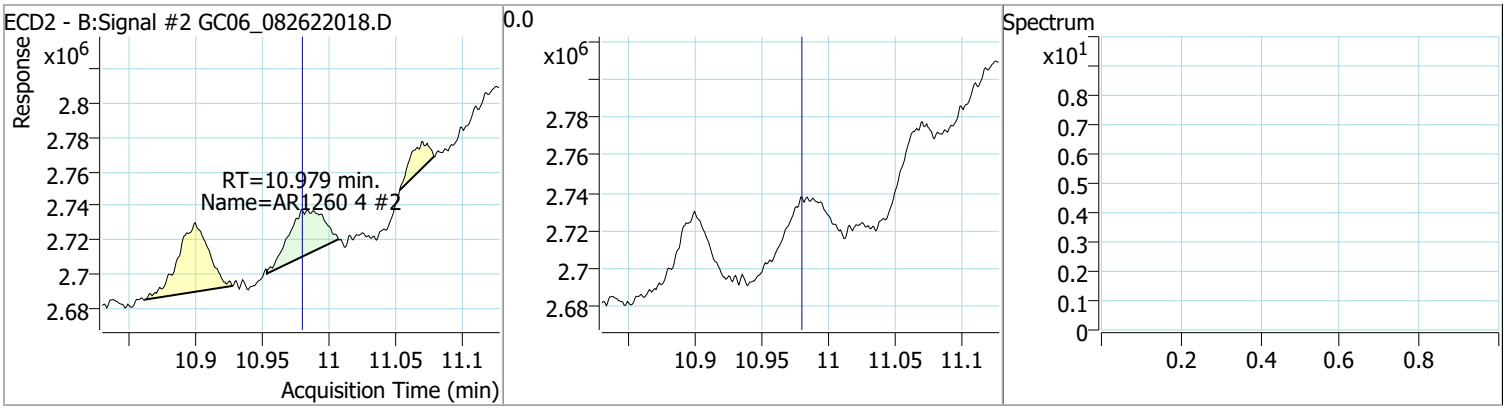
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	8.8265	10.47	0.00	339030				



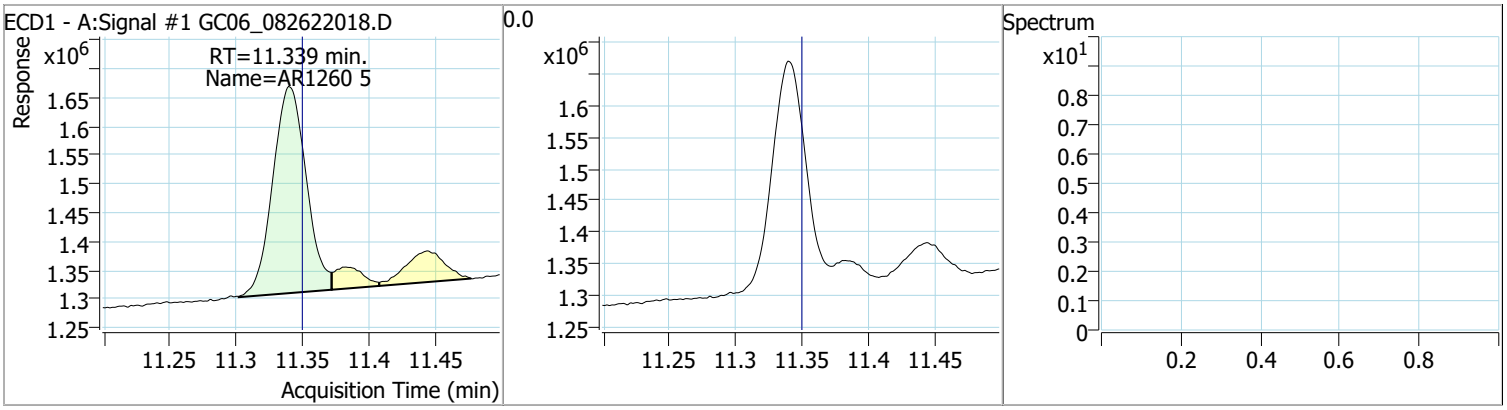
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	38.3058	10.52	-0.10	153793				



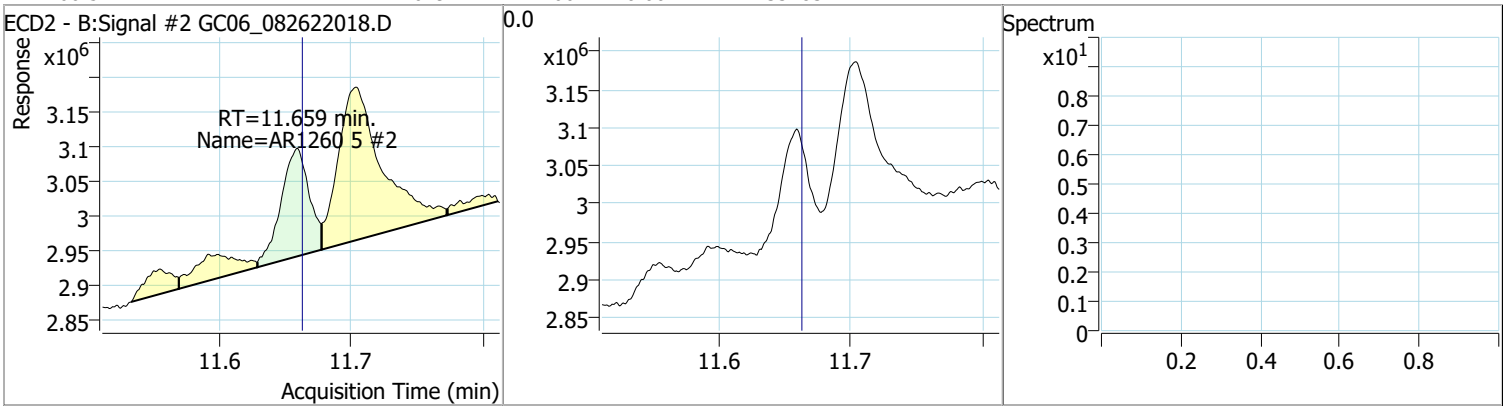
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	2.2978	10.98	0.00	47758				



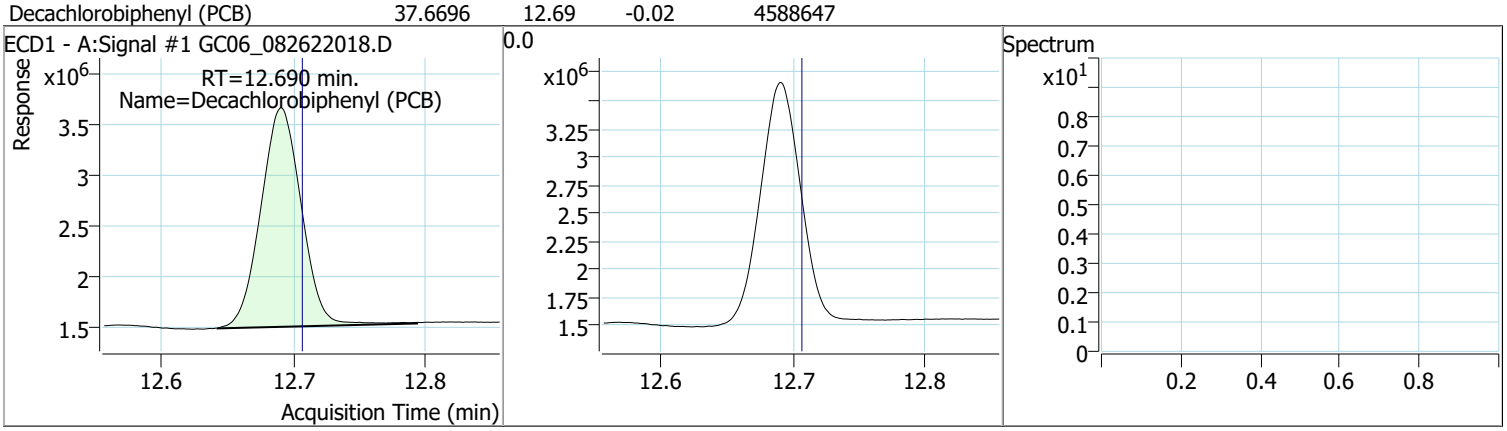
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	118.5073	11.34	-0.01	629724				



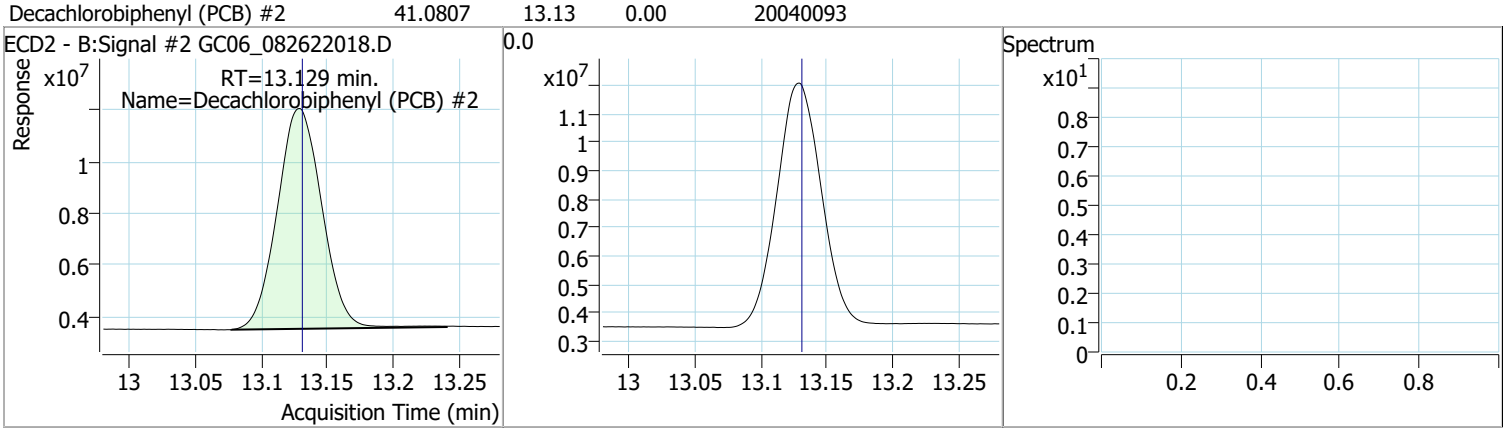
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	7.6291	11.66	0.00	233783				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	37.6696	12.69	-0.02	4588647				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	41.0807	13.13	0.00	20040093				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	467771-003	Client ID:	DOOR-N-0.4GE-PS-20-220822-P-G
Seqnum:	452343556019	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_082622019	Batch:	295632	Time:	26-AUG-2022 19:02
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	44.82	ND	0.47	62%	1.0		u
Aroclor-1016 Peak # 1	A	52.24	1.04	0.55	62%			
Aroclor-1016 Peak # 2	A	0.8358	0.02	0.40	184%			
Aroclor-1016 Peak # 3	A	83.19	1.66	1.10	41%			
Aroclor-1016 Peak # 4	A	0.3017	0.01	0.21	189%			
Aroclor-1016 Peak # 5	A	87.52	1.75	0.09	180%			
Aroclor-1221	A		ND			1.0		u
Aroclor-1232	A		ND			1.0		u
Aroclor-1242	A		ND			1.0		u
Aroclor-1248	A		ND			1.0		u
Aroclor-1254	A		ND			1.0		u
Aroclor-1260	A	20.01	ND	0.22	58%	1.0		u
Aroclor-1260 Peak # 1	A	25.00	0.50	0.12	123%			
Aroclor-1260 Peak # 2	A	1.699	0.03	0.40	169%			
Aroclor-1260 Peak # 3	A	5.452	0.11	0.15	33%			
Aroclor-1260 Peak # 4	A	41.36	0.83	0.02	190%			
Aroclor-1260 Peak # 5	A	26.54	0.53	0.41	26%			
Aroclor-1262	A		ND			1.0		u
Aroclor-1268	A		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	46.05	1.000	0.9210	92	52-186	c+ u
Decachlorobiphenyl (PCB)	A	34.10	1.000	0.6821	68	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_082622002)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8218495	8704926	5.92
1-bromo-2-nitrobenzene (PCB)	A	1919479	1713222	-10.75

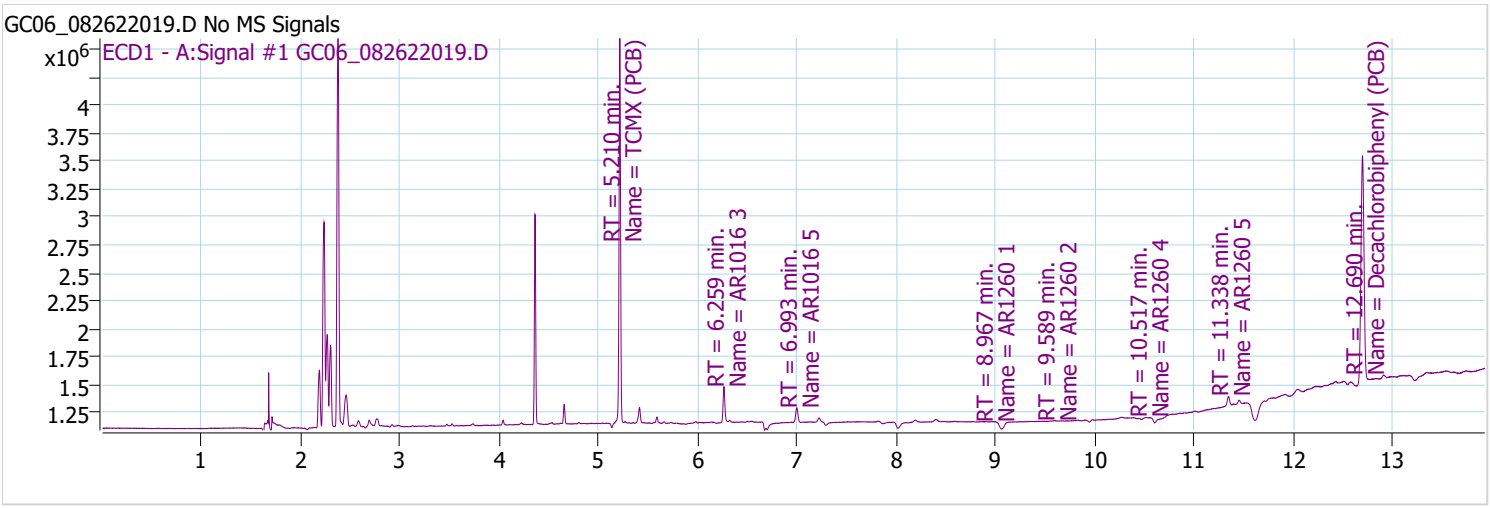
NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

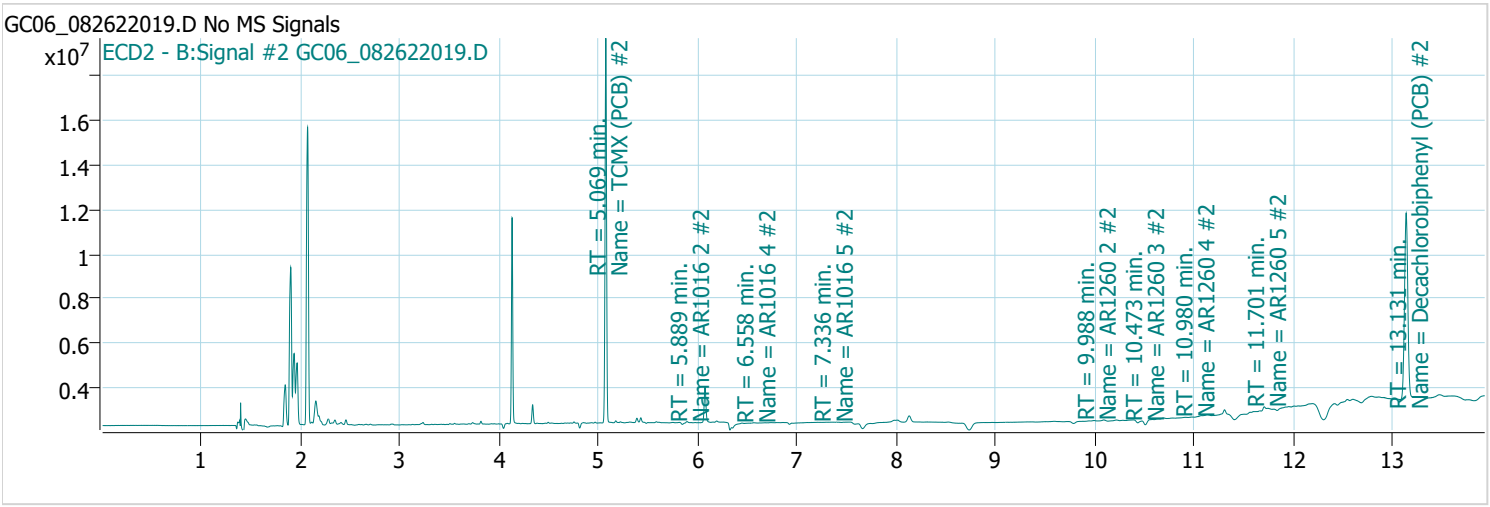
ISTD (CCV gc06_082622002)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.13	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

Analyst: TRN 08/29/22 **Reviewer:** SLL 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622019.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/26/2022 7:02:18 PM
Sample Name	467771-003, 295632, 1	Instrument	SVOA-GC06
Vial	9	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



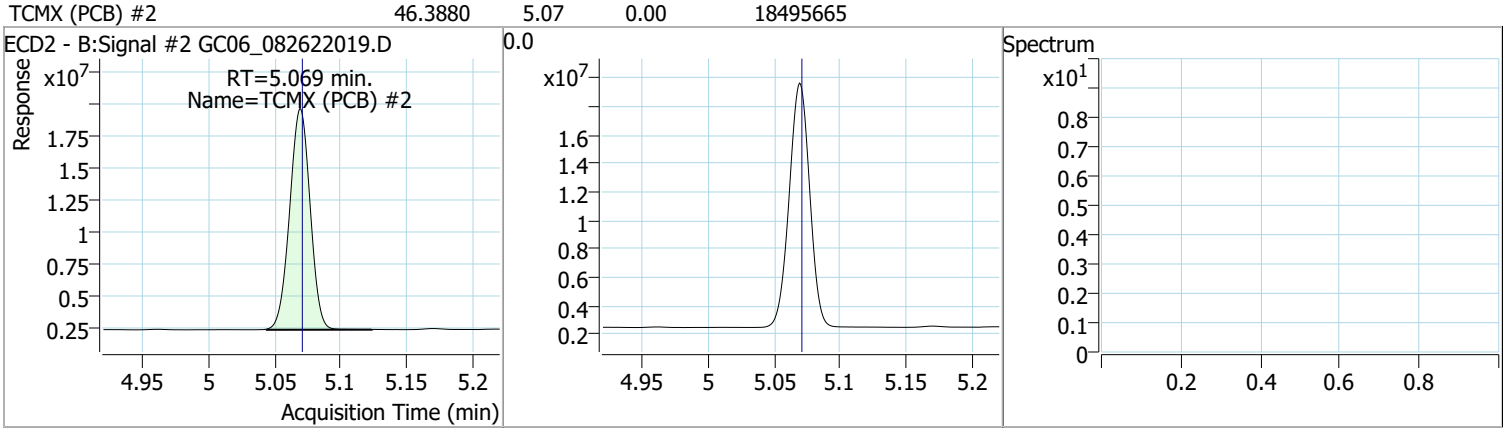


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.125	0.0	8704926.024	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.356	0.0	1713221.817	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB) #2	5.069	0.0	18495664.987	46.3880	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 231.94%		*	
S TCMX (PCB)	5.210	0.0	3793882.837	46.0386	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 230.19%		*	
S Decachlorobiphenyl (PCB)	12.690	0.0	4441240.959	34.0943	ng/ml		-0.016
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 170.47%		*	
S Decachlorobiphenyl (PCB) #2	13.131	0.0	19331544.860	36.8028	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 184.01%		*	
Target Compounds							QValue

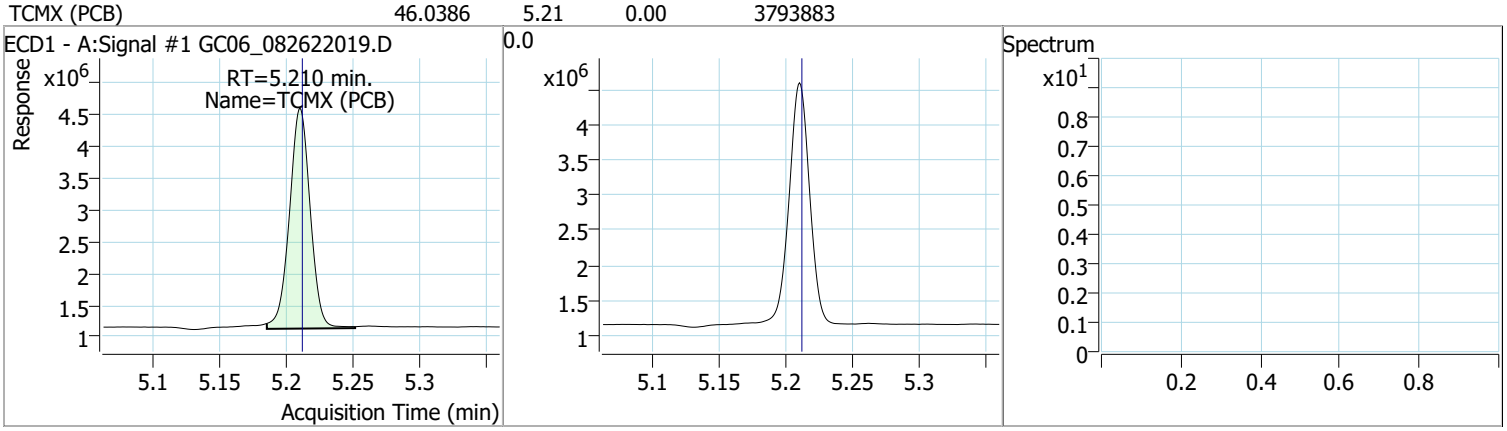
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.579	0.0	224185.851	27.5011	ng/ml	100
T AR1016 1	5.584	0.0	87517.368	52.2232	ng/ml	100
T AR1016 2 #2	5.889	0.0	337194.357	19.9320	ng/ml	100
T AR1016 2	5.857	0.0	3049.104	0.8356	ng/ml	100
T AR1016 3 #2	6.439	0.0	1228227.110	55.0517	ng/ml	100
T AR1016 3	6.259	0.0	357162.347	83.1692	ng/ml	100
T AR1016 4	6.533	0.0	969.445	0.3017	ng/ml	100
T AR1016 4 #2	6.558	0.0	161895.654	10.6960	ng/ml	100
T AR1016 5	6.993	0.0	217526.342	87.5034	ng/ml	100
T AR1016 5 #2	7.336	0.0	55826.212	4.7175	ng/ml	100
T AR1260 1	8.967	0.0	134766.844	24.9958	ng/ml	100
T AR1260 1 #2	9.583	0.0	156242.759	5.9304	ng/ml	100
T AR1260 2	9.589	0.0	14102.554	1.6982	ng/ml	100
T AR1260 2 #2	9.988	0.0	611359.575	20.0826	ng/ml	100
T AR1260 3	10.083	0.0	47052.263	5.4504	ng/ml	100
T AR1260 3 #2	10.473	0.0	315604.163	7.6308	ng/ml	100
T AR1260 4	10.517	0.0	177551.521	41.3546	ng/ml	100
T AR1260 4 #2	10.980	0.0	23337.341	1.0428	ng/ml	100
T AR1260 5	11.338	0.0	150793.642	26.5368	ng/ml	100
T AR1260 5 #2	11.701	0.0	672688.771	20.3870	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

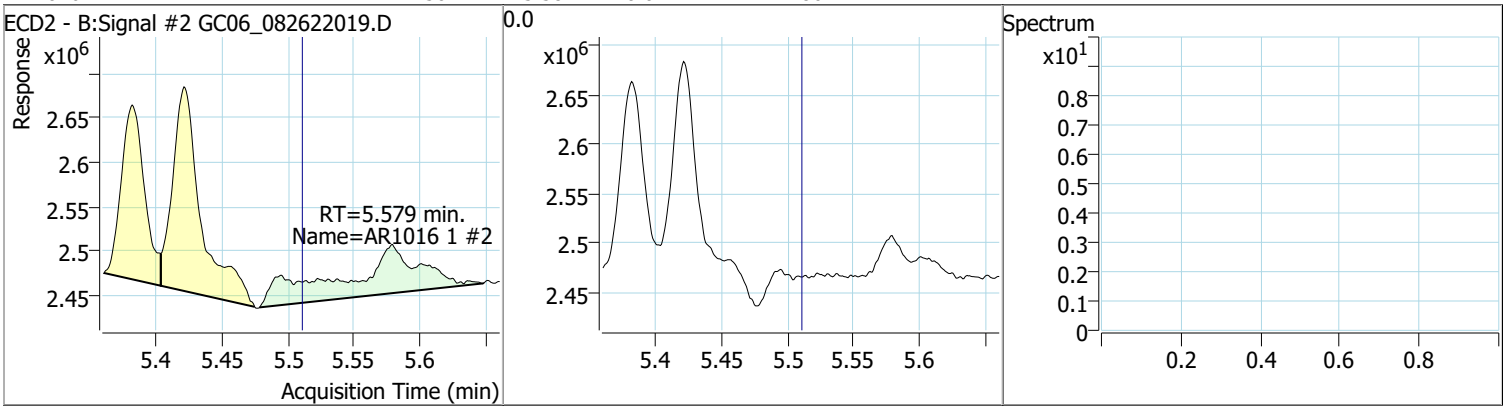
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	46.3880	5.07	0.00	18495665				



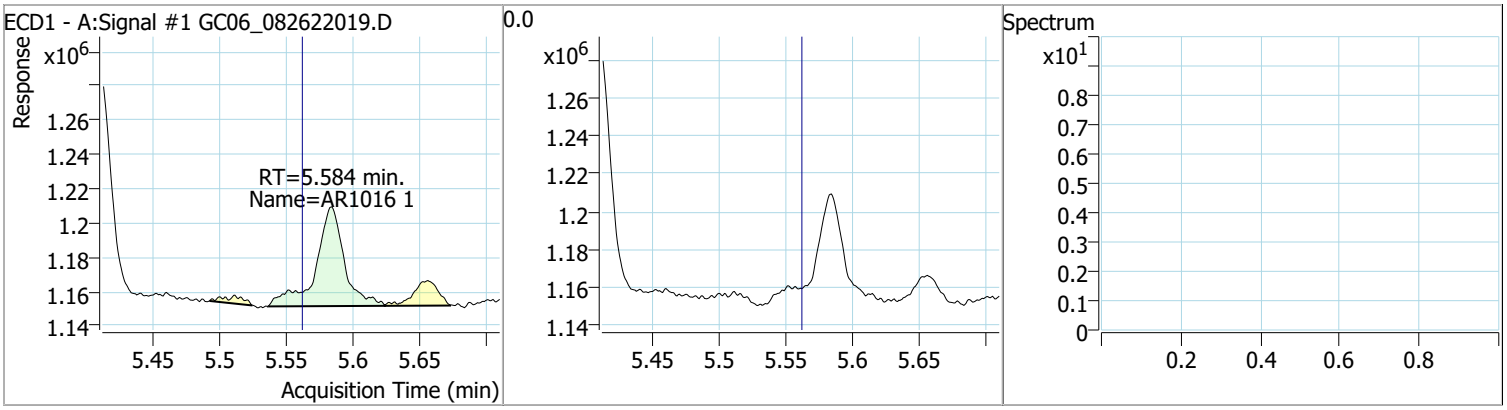
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	46.0386	5.21	0.00	3793883				



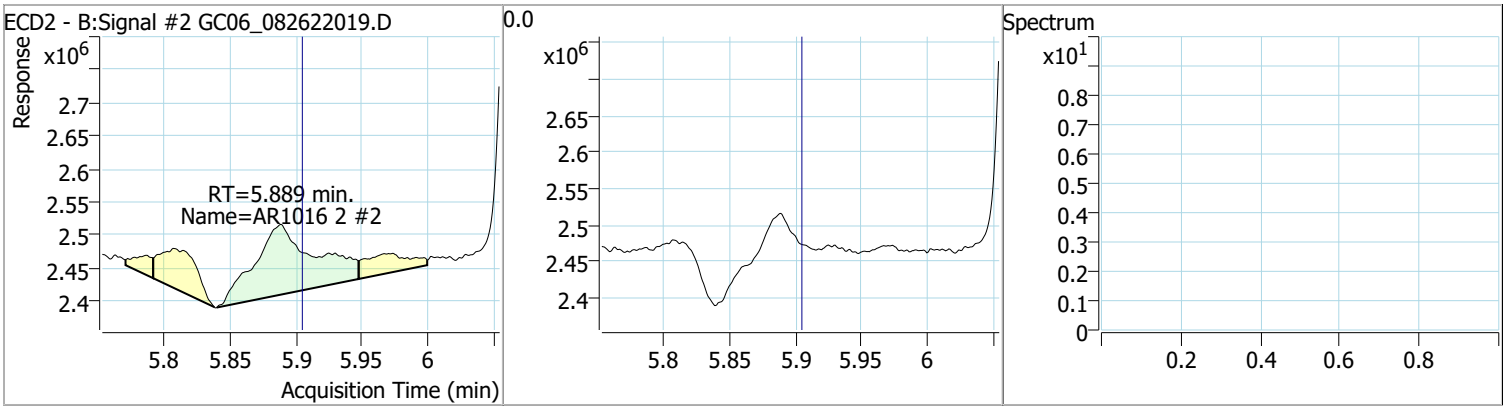
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	27.5011	5.58	0.07	224186				



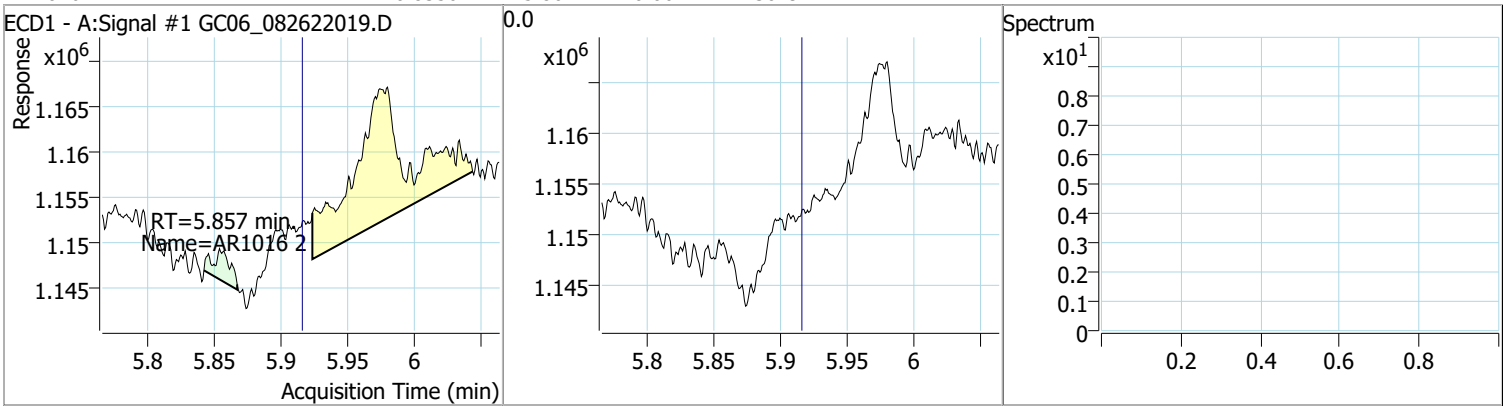
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	52.2232	5.58	0.02	87517				



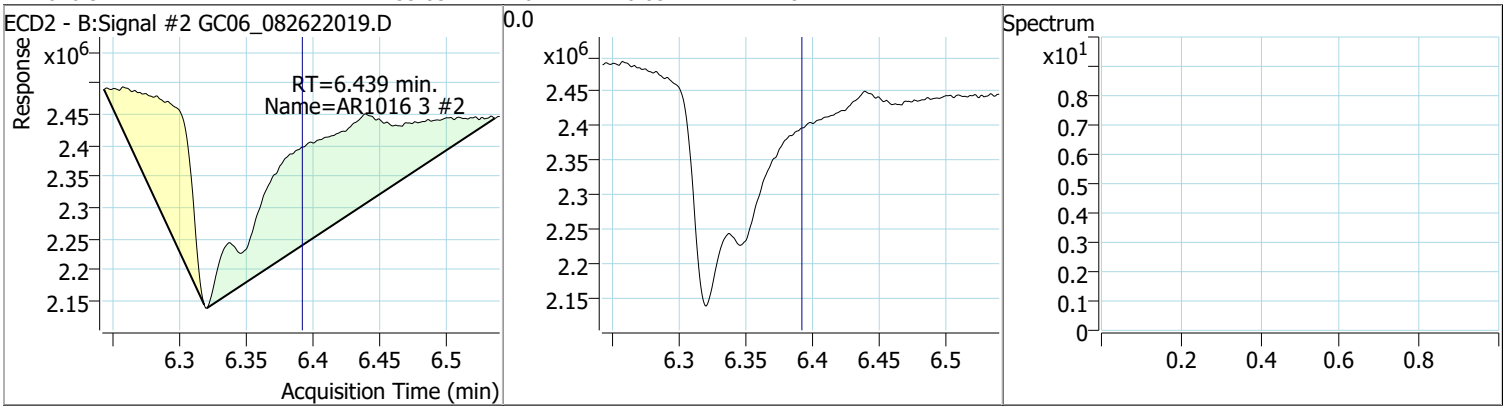
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	19.9320	5.89	-0.01	337194				



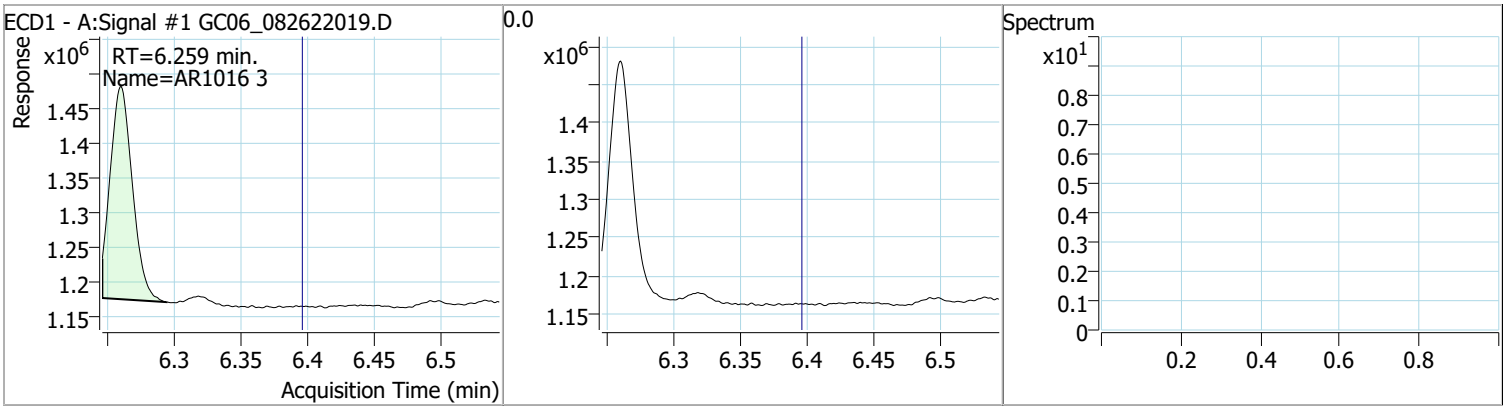
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.8356	5.86	-0.06	3049				



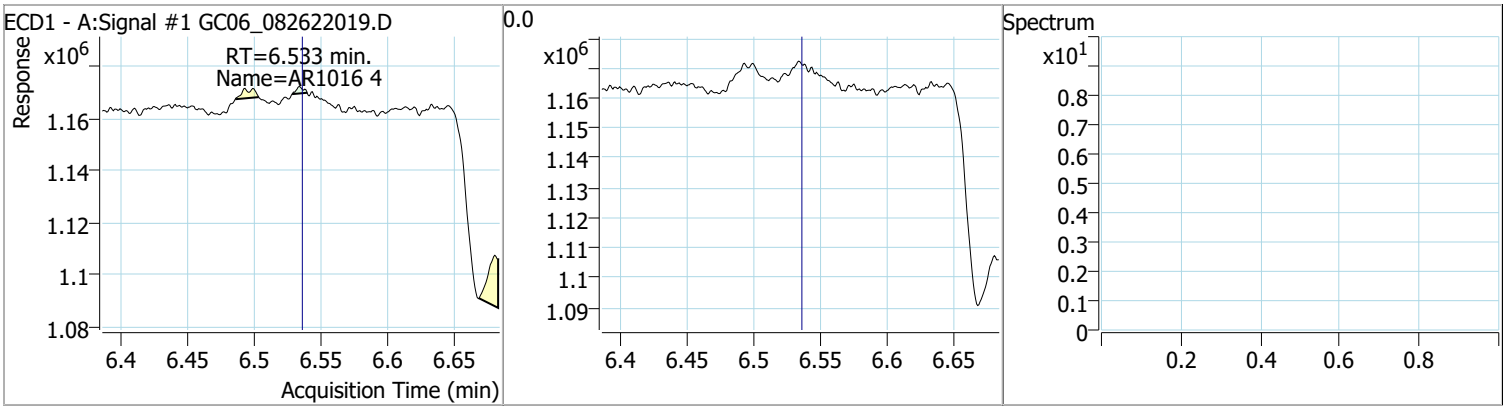
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	55.0517	6.44	0.05	1228227				



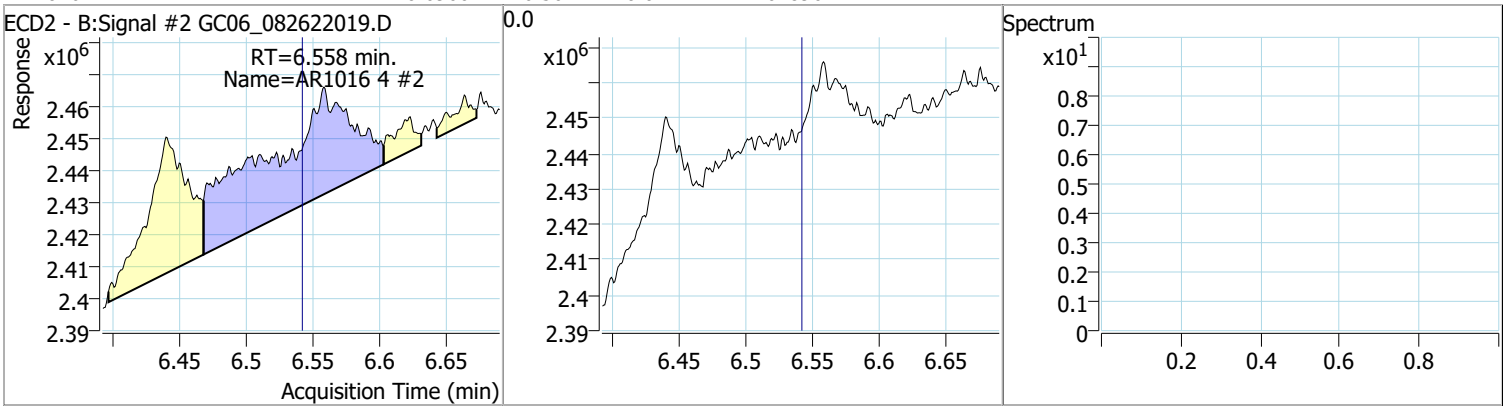
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	83.1692	6.26	-0.14	357162				



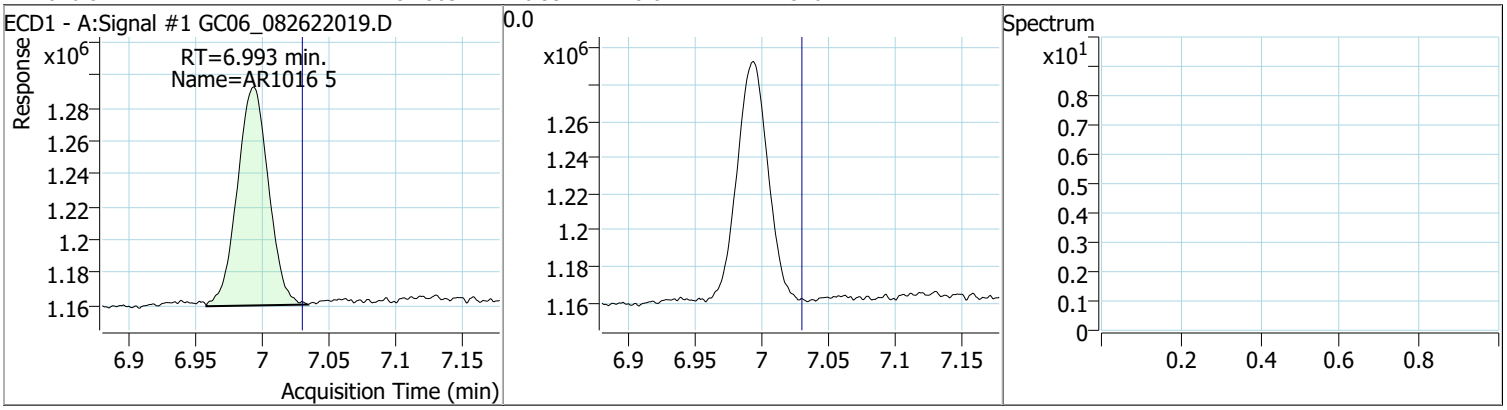
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	0.3017	6.53	0.00	969				



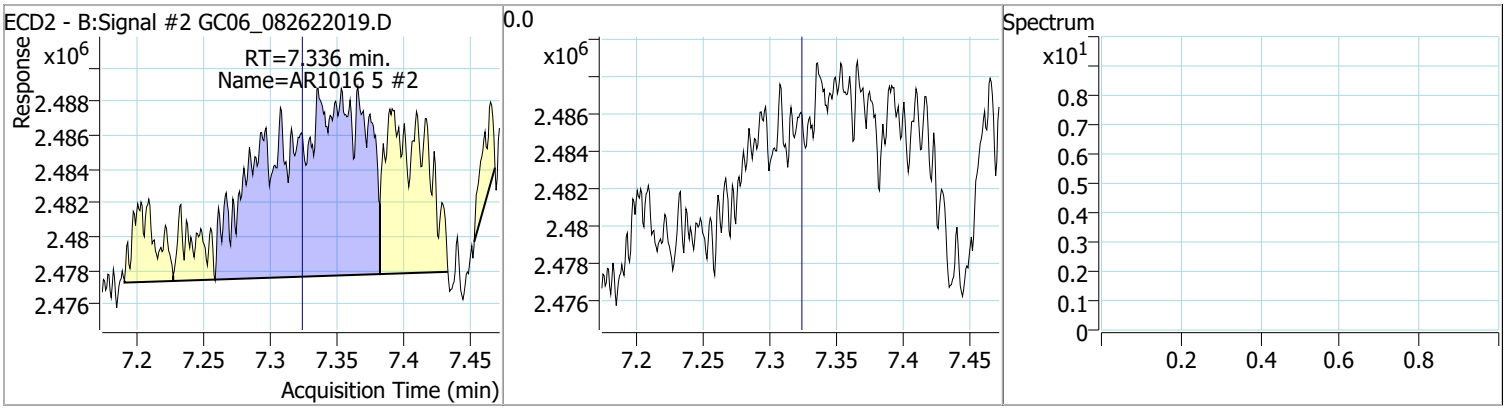
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	10.6960	6.56	0.02	161896				



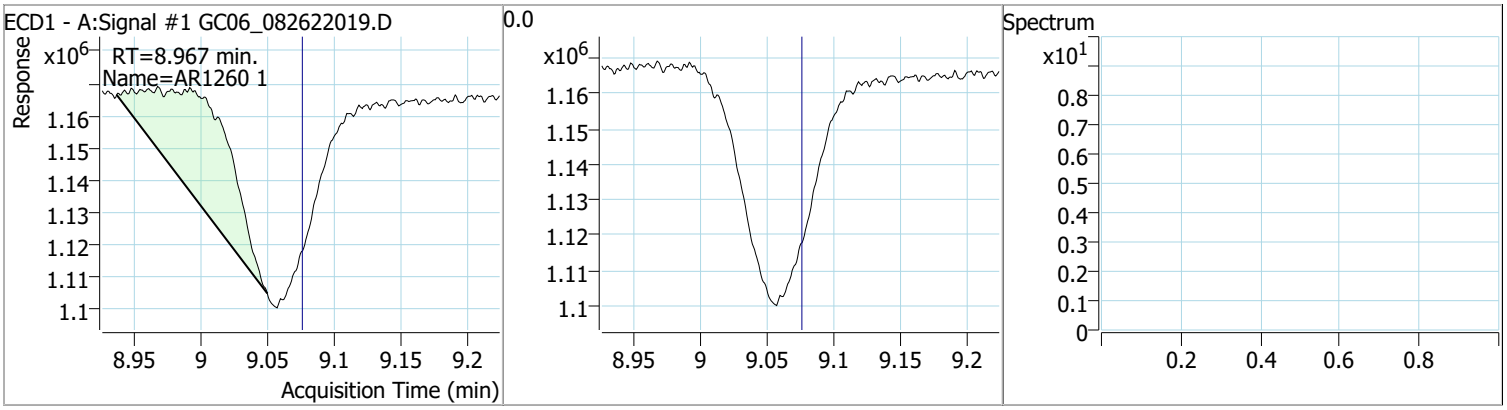
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	87.5034	6.99	-0.04	217526				



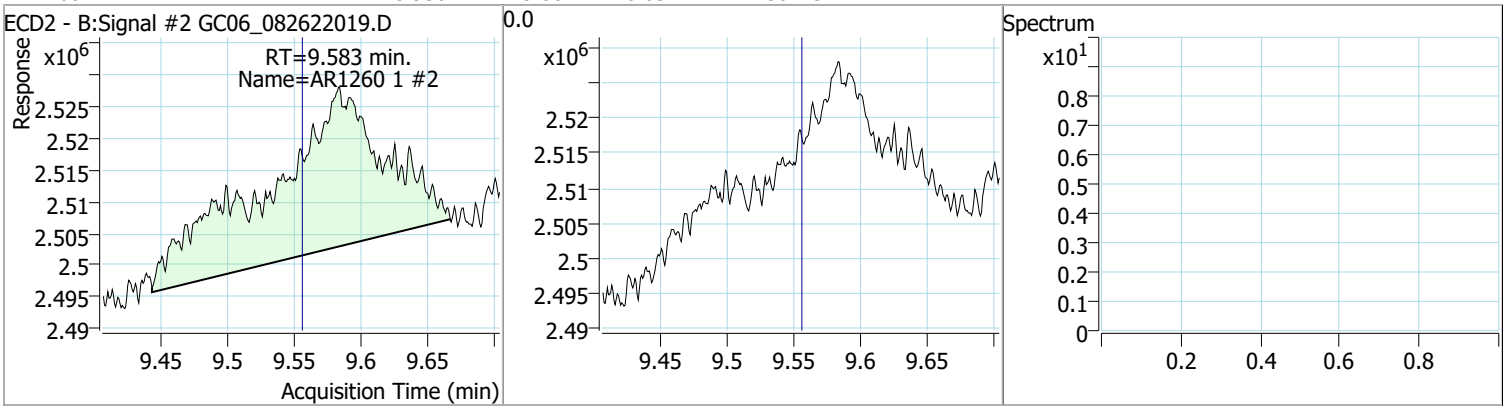
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	4.7175	7.34	0.01	55826				



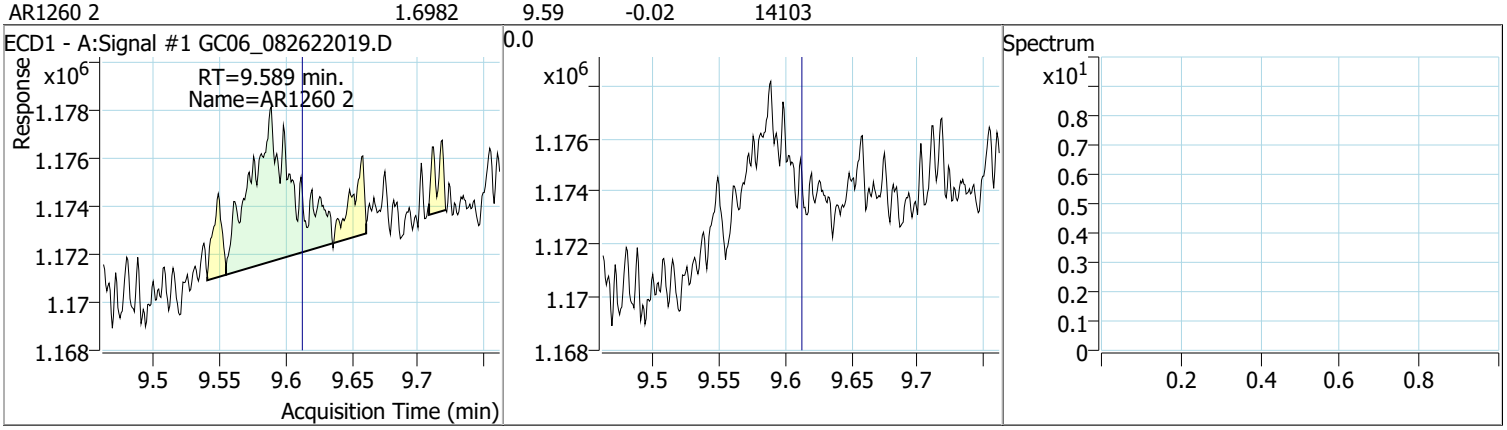
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	24.9958	8.97	-0.11	134767				



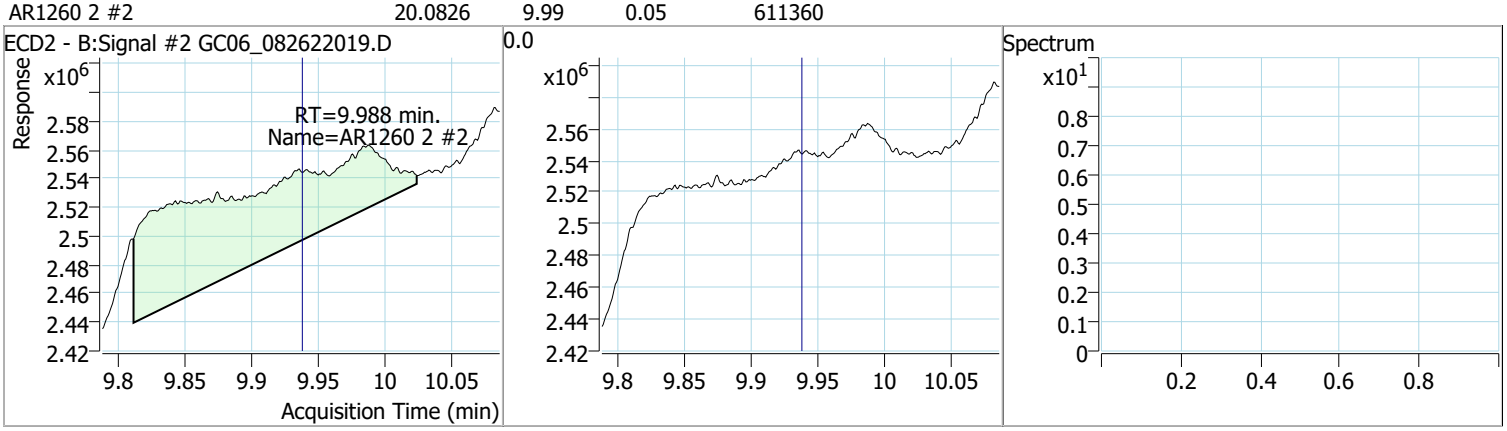
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	5.9304	9.58	0.03	156243				



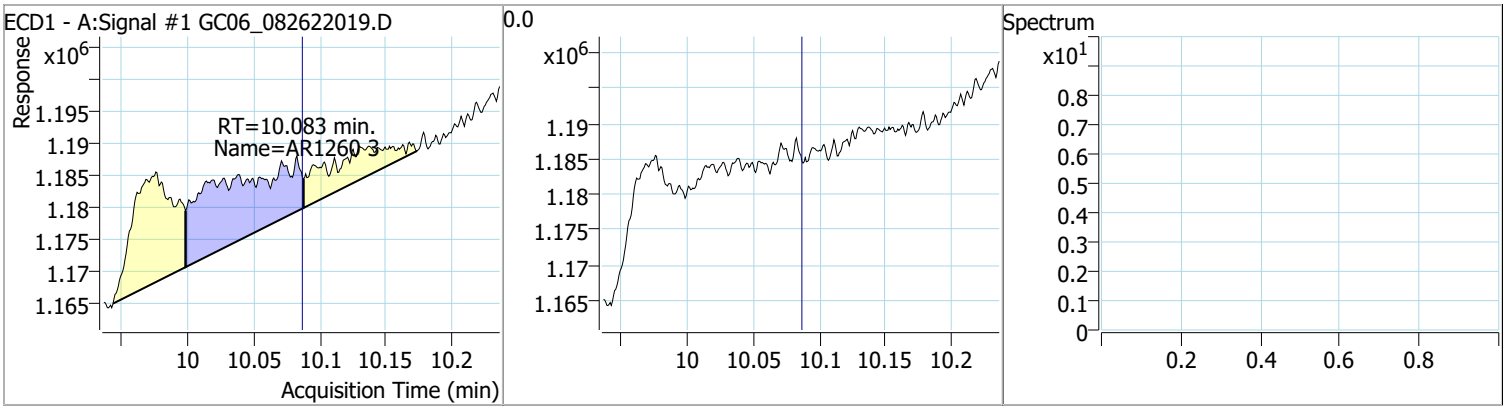
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.6982	9.59	-0.02	14103				



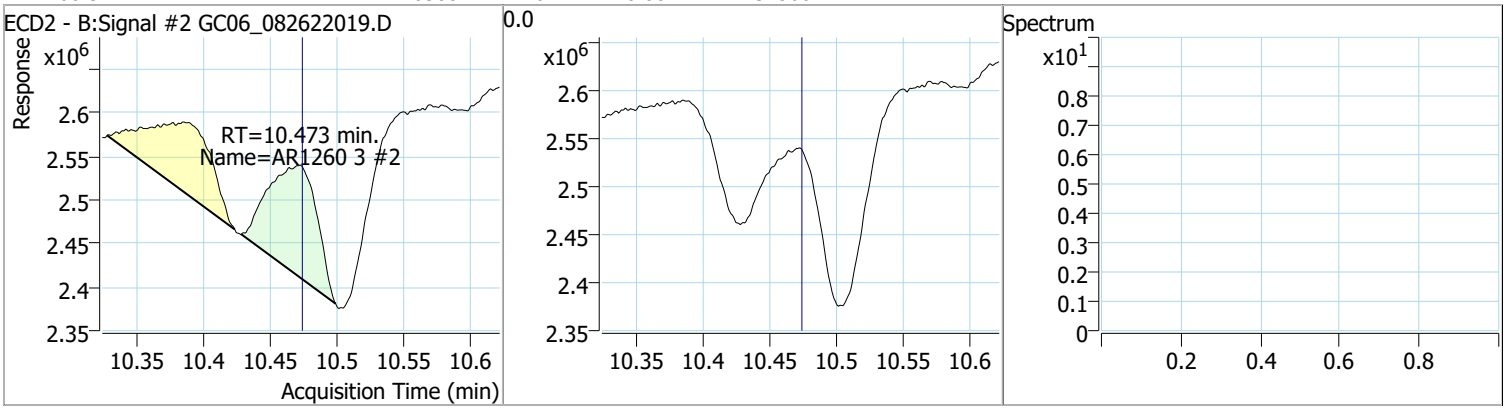
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	20.0826	9.99	0.05	611360				



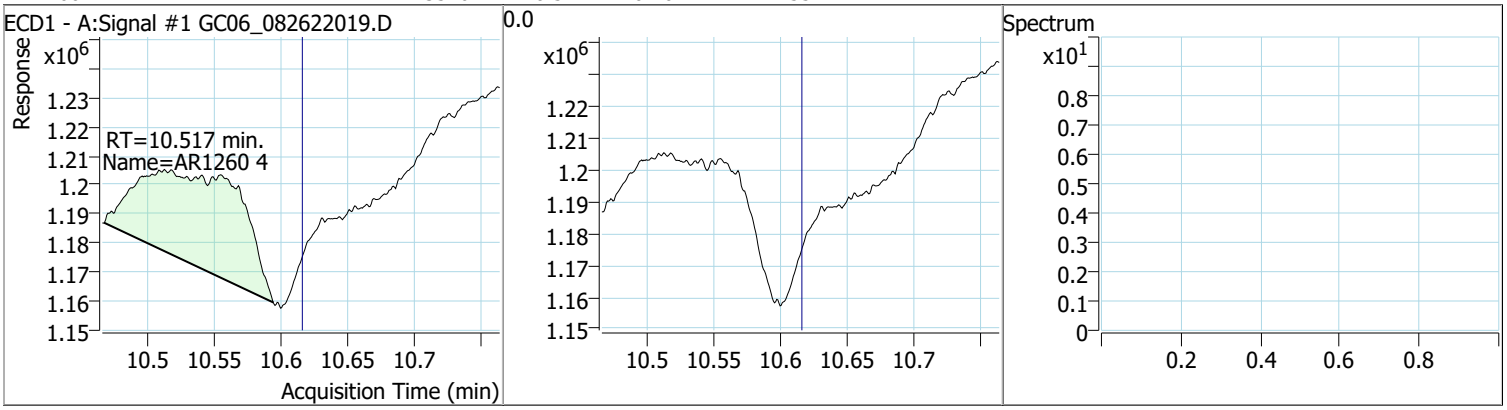
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	5.4504	10.08	0.00	47052				



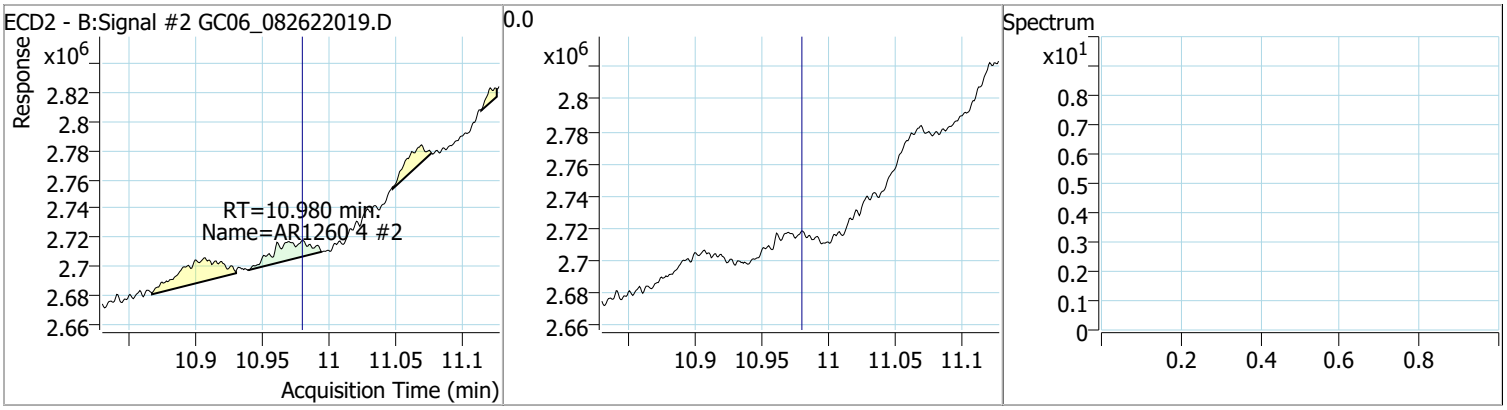
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	7.6308	10.47	0.00	315604				



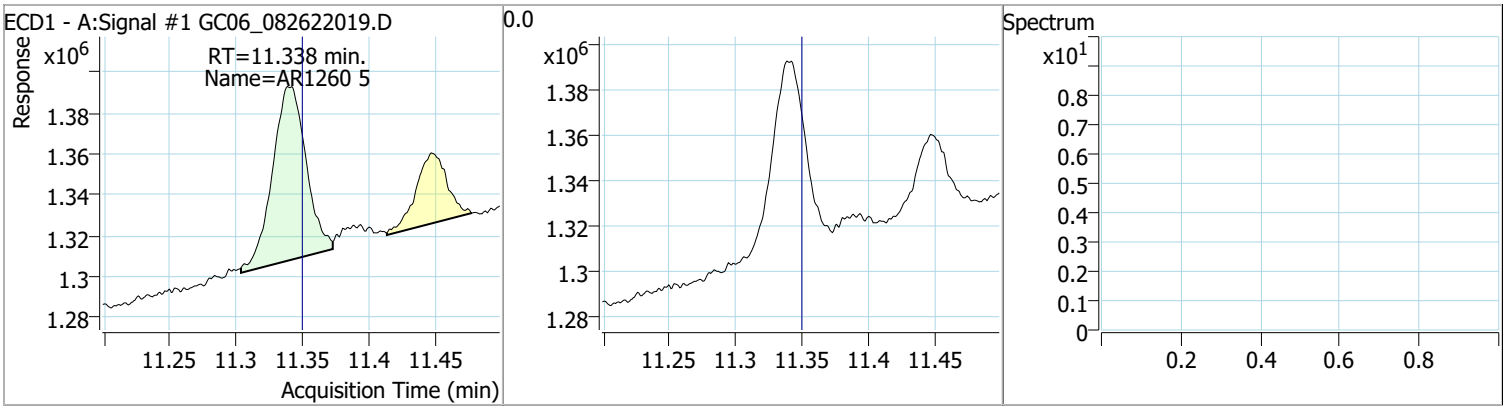
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	41.3546	10.52	-0.10	177552				



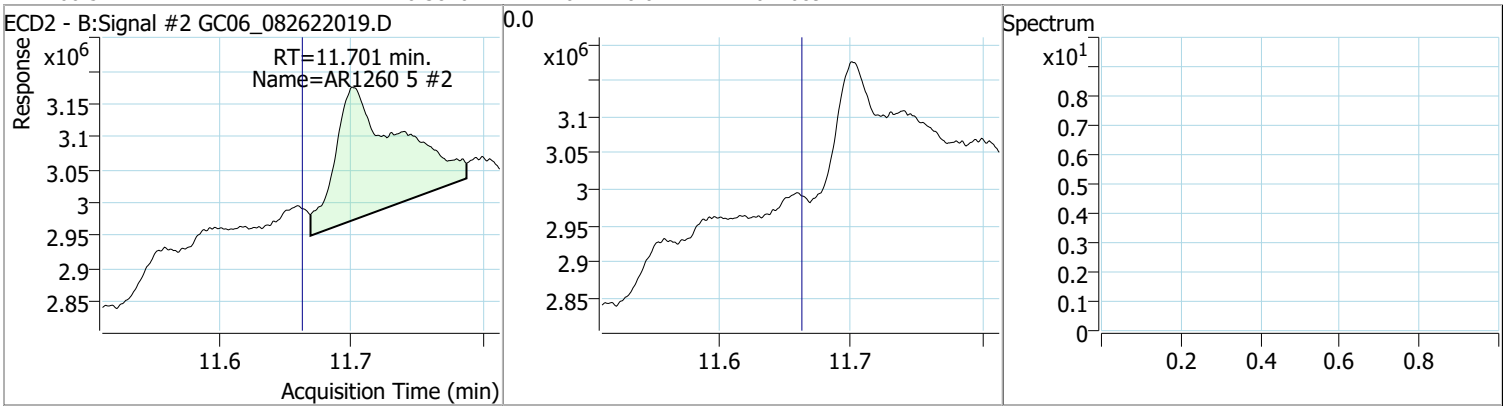
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1.0428	10.98	0.00	23337				



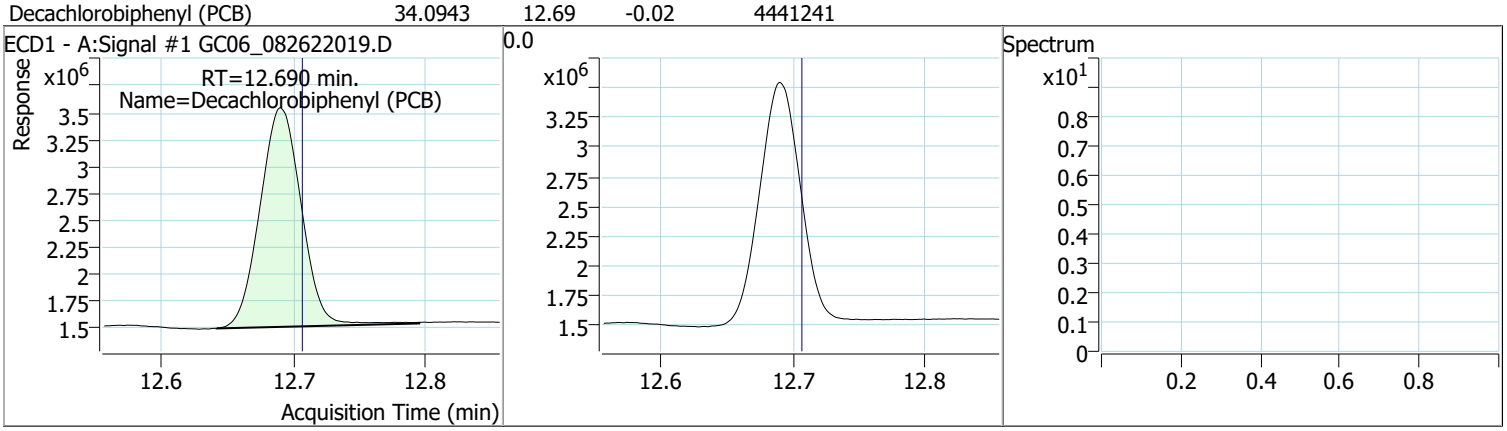
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	26.5368	11.34	-0.01	150794				



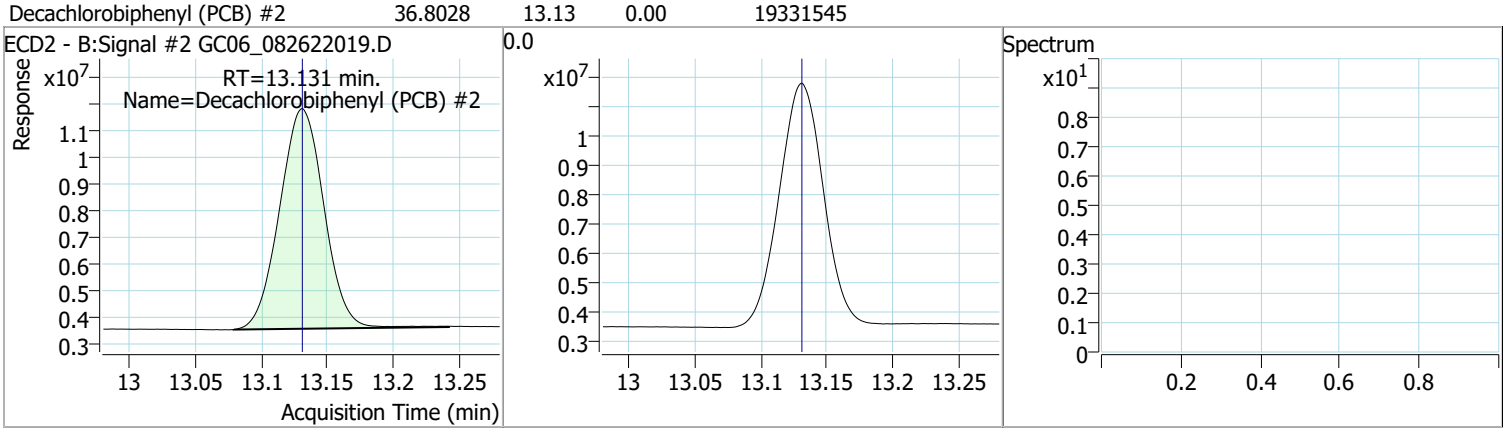
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	20.3870	11.70	0.04	672689				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	34.0943	12.69	-0.02	4441241				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	36.8028	13.13	0.00	19331545				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	467771-005	Client ID:	ARCH-C1E-EXT-5 TO 6-220822-P-WF
Seqnum:	452343556020	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_082622020	Batch:	295632	Time:	26-AUG-2022 19:19
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	55.25	~~1.1~~ ~~FP~~	0.45	85%	1.0		x u
Aroclor-1016 Peak # 1	A	4.773	0.10	0.67	150%			
Aroclor-1016 Peak # 2	A	9.962	0.20	0.24	17%			
Aroclor-1016 Peak # 3	A	58.51	1.17	0.97	18%			
Aroclor-1016 Peak # 4	A	107.7	2.15	0.18	169%			
Aroclor-1016 Peak # 5	A	95.35	1.91	0.18	166%			
Aroclor-1221	A		ND			1.0		u
Aroclor-1232	A		ND			1.0		u
Aroclor-1242	A		ND			1.0		u
Aroclor-1248	A		ND			1.0		u
Aroclor-1254	A		ND			1.0		u
Aroclor-1260	A	35.79	ND	0.25	97%	1.0		u
Aroclor-1260 Peak # 1	A	14.61	0.29	0.14	69%			
Aroclor-1260 Peak # 2	A	2.753	0.06	0.44	156%			
Aroclor-1260 Peak # 3	A	6.710	0.13	0.17	26%			
Aroclor-1260 Peak # 4	A	101.0	2.02	0.16	171%			
Aroclor-1260 Peak # 5	A	53.89	1.08	0.32	108%			
Aroclor-1262	A		ND			1.0		u
Aroclor-1268	A		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	43.47	1.000	0.8694	87	52-186	c+ u
Decachlorobiphenyl (PCB)	A	33.12	1.000	0.6625	66	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_082622002)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8218495	8868625	7.91
1-bromo-2-nitrobenzene (PCB)	A	1919479	1726643	-10.05

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

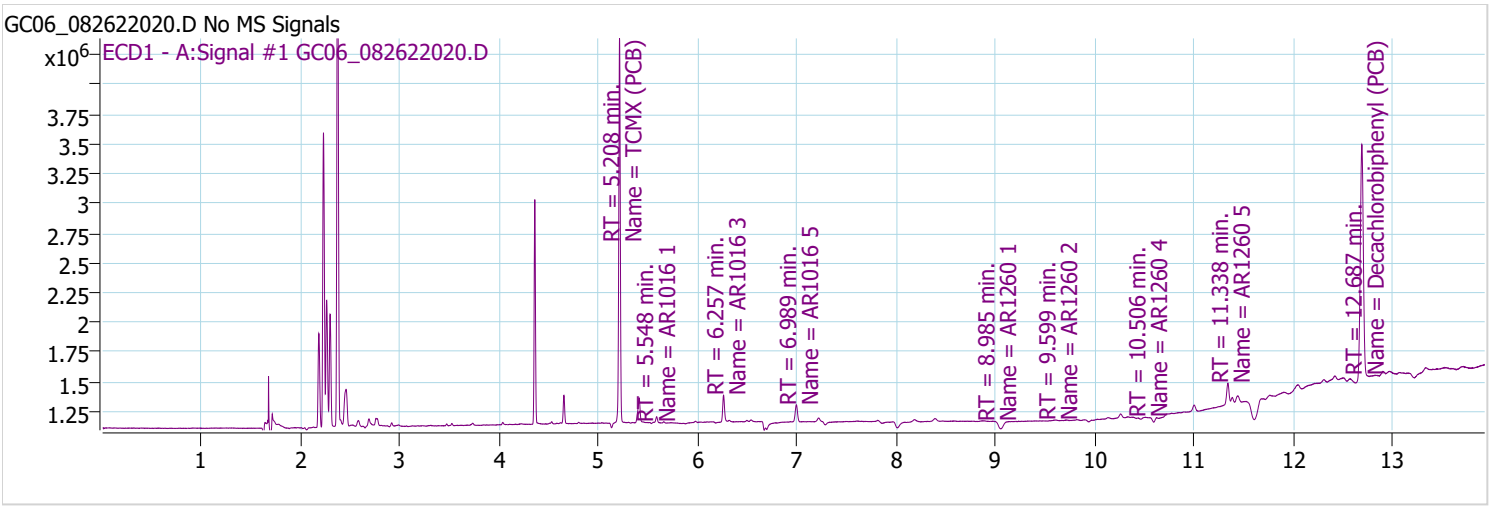
ISTD (CCV gc06_082622002)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.12	-0.01
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

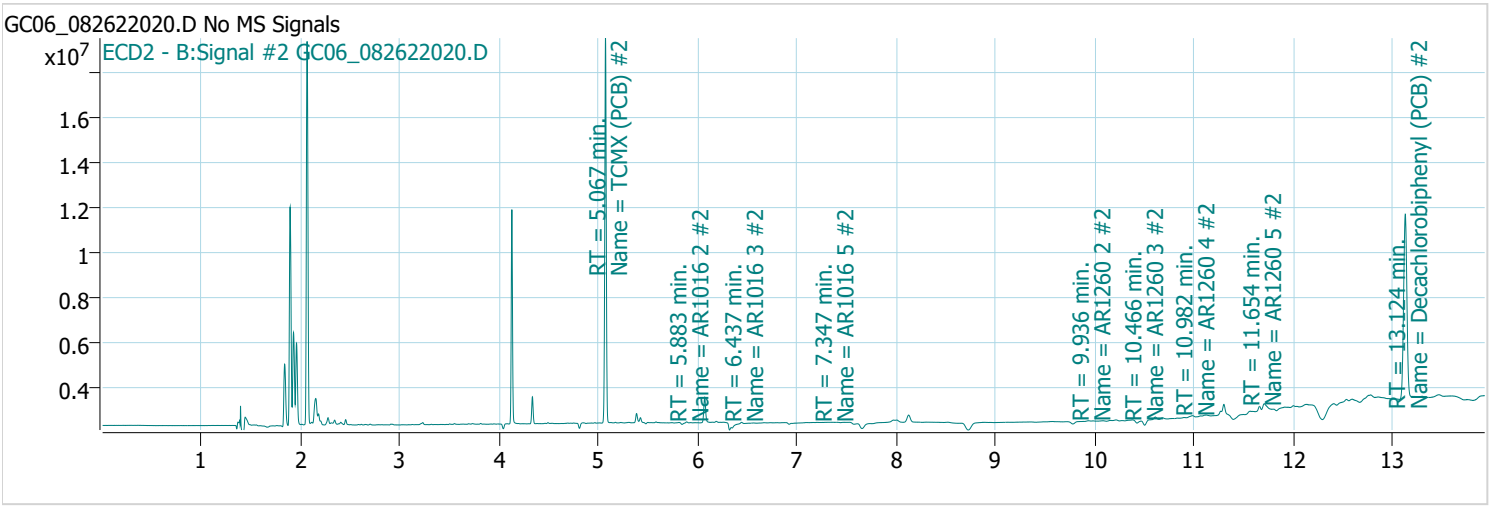
Analyst: TRN 08/29/22

Reviewer: SLL 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622020.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/26/2022 7:19:50 PM
Sample Name	467771-005, 295632, 1	Instrument	SVOA-GC06
Vial	10	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



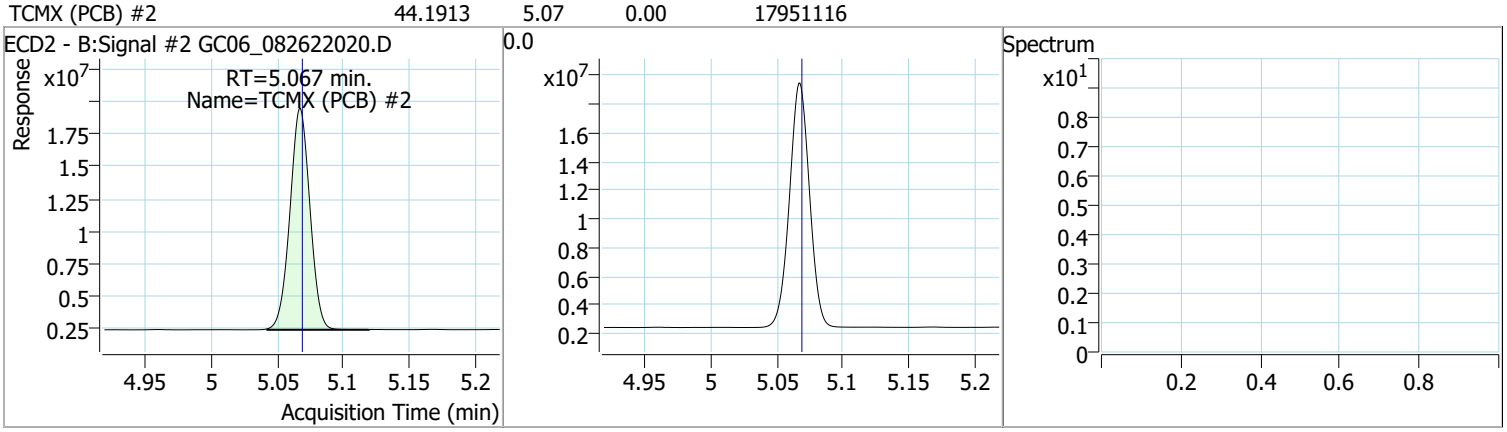


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.123	0.0	8868624.657	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB)	4.355	0.0	1726643.377	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB) #2	5.067	0.0	17951115.867	44.1913	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 220.96%		*	
S TCMX (PCB)	5.208	0.0	3609174.891	43.4567	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 217.28%		*	
S Decachlorobiphenyl (PCB)	12.687	0.0	4347406.388	33.1145	ng/ml		-0.019
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 165.57%		*	
S Decachlorobiphenyl (PCB) #2	13.124	0.0	18988857.224	35.4831	ng/ml		-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 177.42%		*	
Target Compounds							QValue

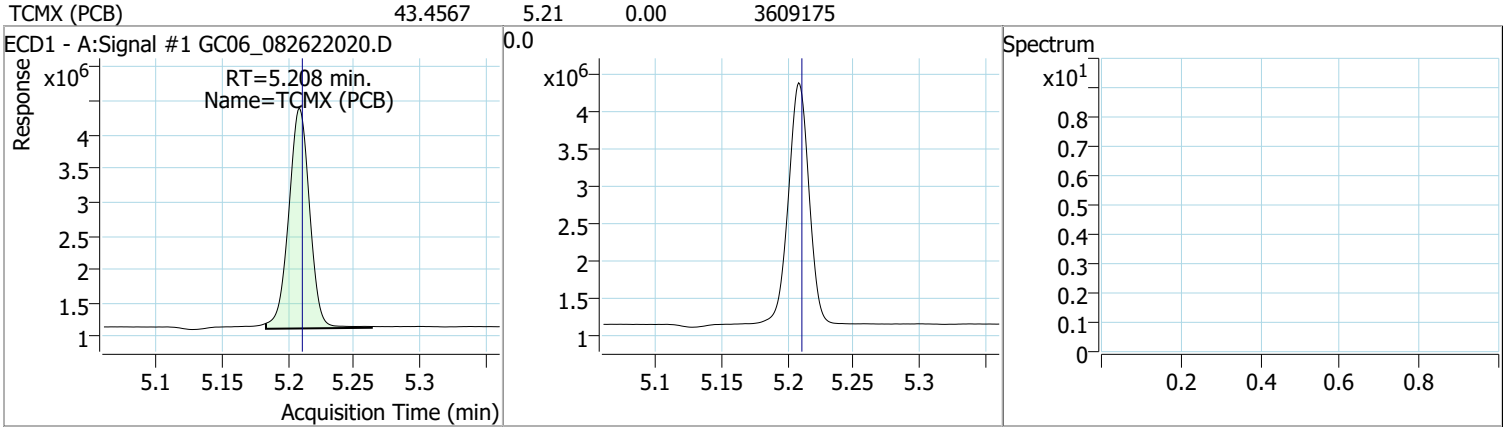
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.578	0.0	279218.701	33.6198	ng/ml	100
T AR1016 1	5.548	0.0	8059.887	4.7721	ng/ml	100
T AR1016 2 #2	5.883	0.0	202830.432	11.7683	ng/ml	100
T AR1016 2	5.977	0.0	36625.956	9.9595	ng/ml	100
T AR1016 3 #2	6.437	0.0	1107624.371	48.7297	ng/ml	100
T AR1016 3	6.257	0.0	253171.894	58.4956	ng/ml	100
T AR1016 4	6.532	0.0	348648.138	107.6458	ng/ml	100
T AR1016 4 #2	6.558	0.0	137575.527	8.9214	ng/ml	100
T AR1016 5	6.989	0.0	238840.250	95.3304	ng/ml	100
T AR1016 5 #2	7.347	0.0	107374.671	8.9061	ng/ml	100
T AR1260 1	8.985	0.0	79376.279	14.6079	ng/ml	100
T AR1260 1 #2	9.572	0.0	189920.313	7.0756	ng/ml	100
T AR1260 2	9.599	0.0	23035.041	2.7523	ng/ml	100
T AR1260 2 #2	9.936	0.0	684642.356	22.0747	ng/ml	100
T AR1260 3	10.126	0.0	58361.881	6.7079	ng/ml	100
T AR1260 3 #2	10.466	0.0	368134.237	8.7366	ng/ml	100
T AR1260 4	10.506	0.0	436800.937	100.9471	ng/ml	100
T AR1260 4 #2	10.982	0.0	177231.857	7.7729	ng/ml	100
T AR1260 5	11.338	0.0	308535.516	53.8743	ng/ml	100
T AR1260 5 #2	11.654	0.0	539780.148	16.0570	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

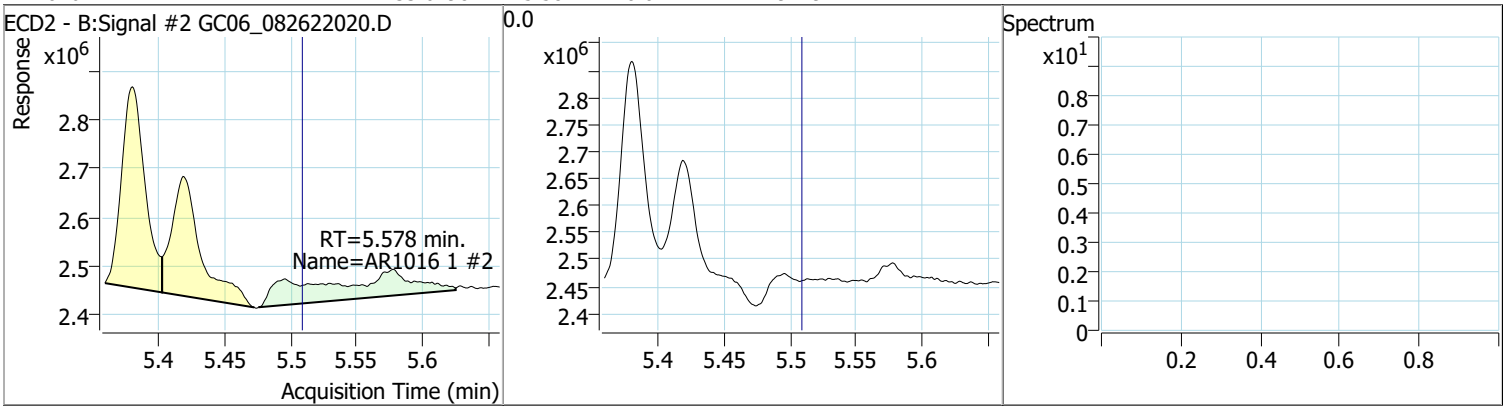
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	44.1913	5.07	0.00	17951116				



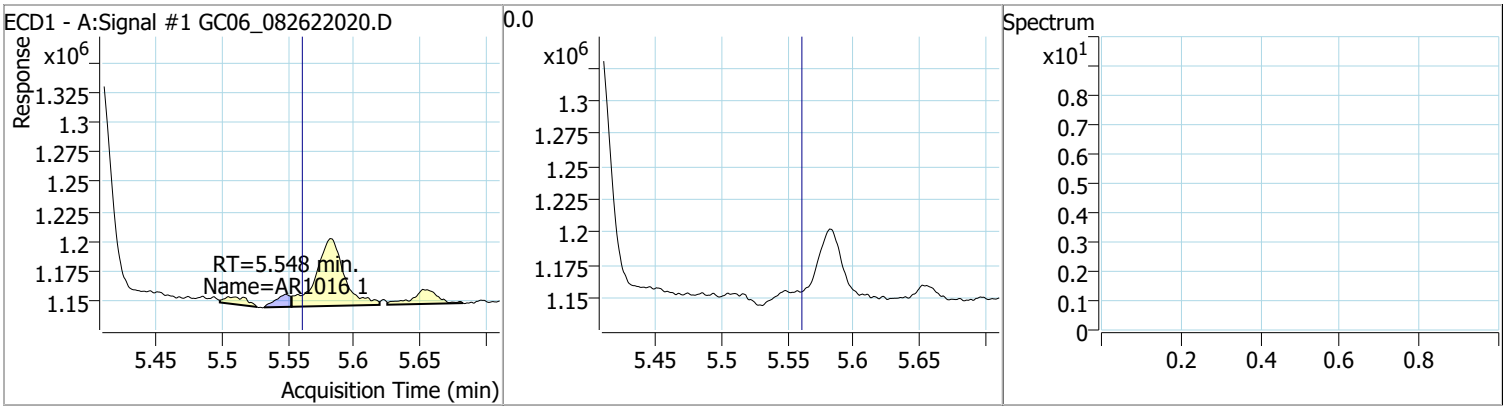
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	43.4567	5.21	0.00	3609175				



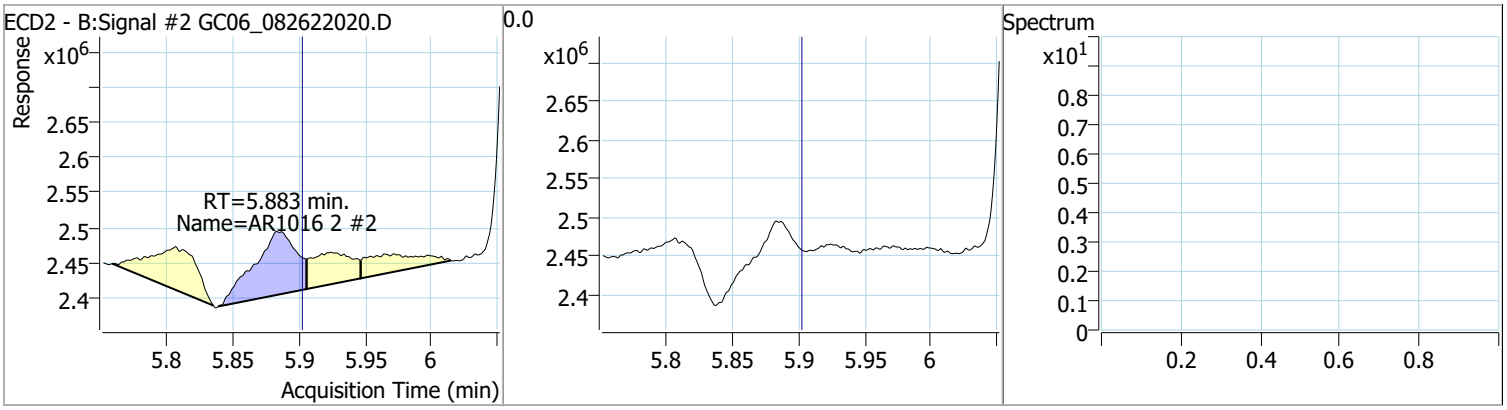
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	33.6198	5.58	0.07	279219				



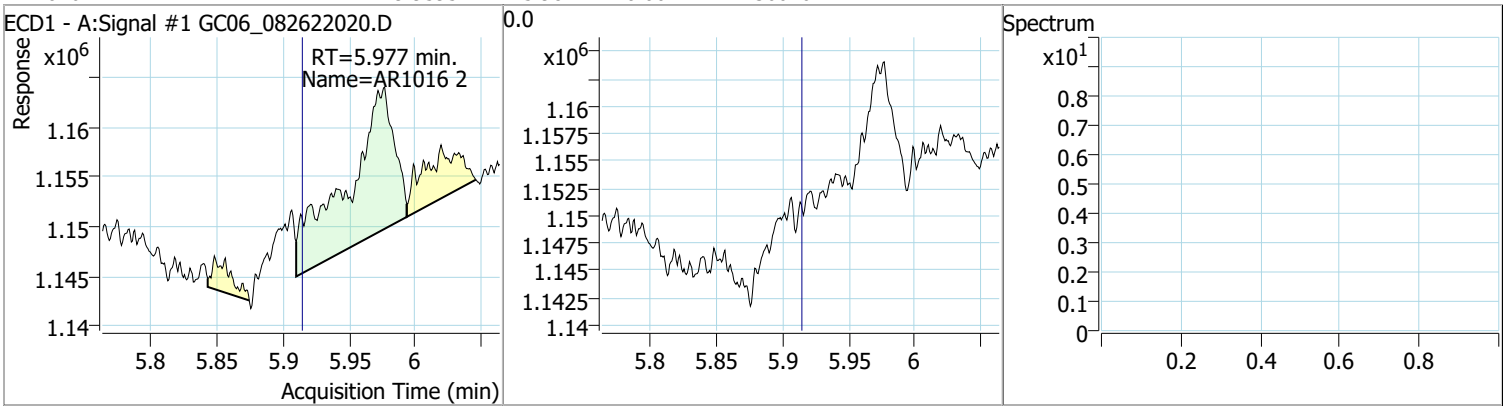
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	4.7721	5.55	-0.01	8060				



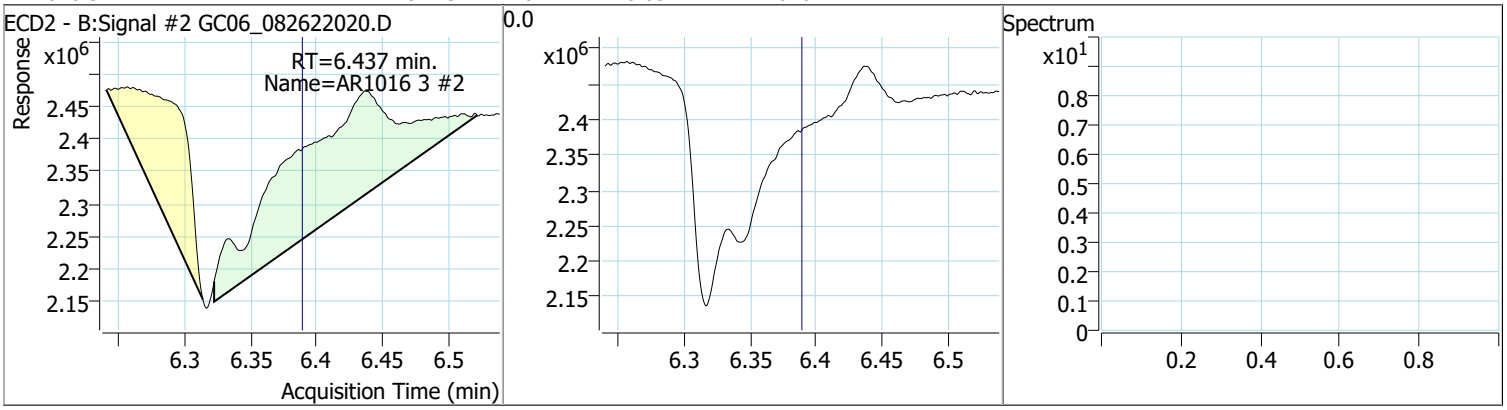
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	11.7683	5.88	-0.02	202830				



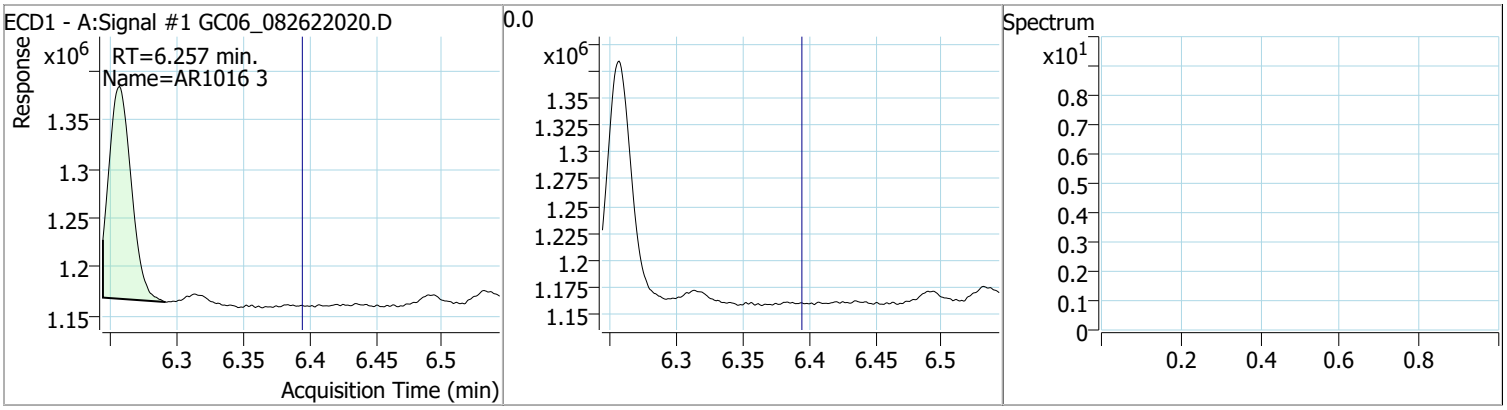
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	9.9595	5.98	0.06	36626				



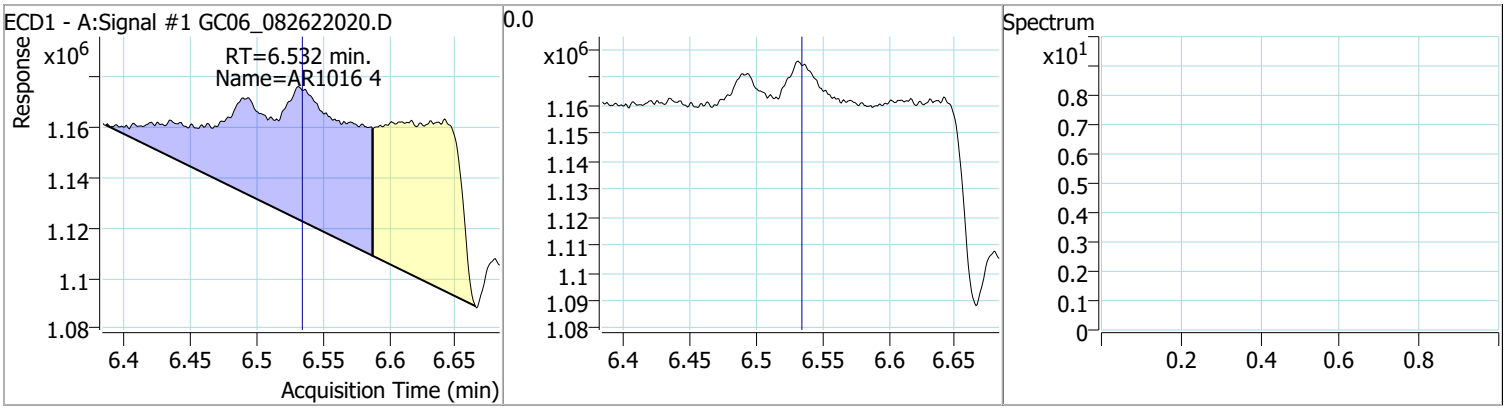
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	48.7297	6.44	0.05	1107624				



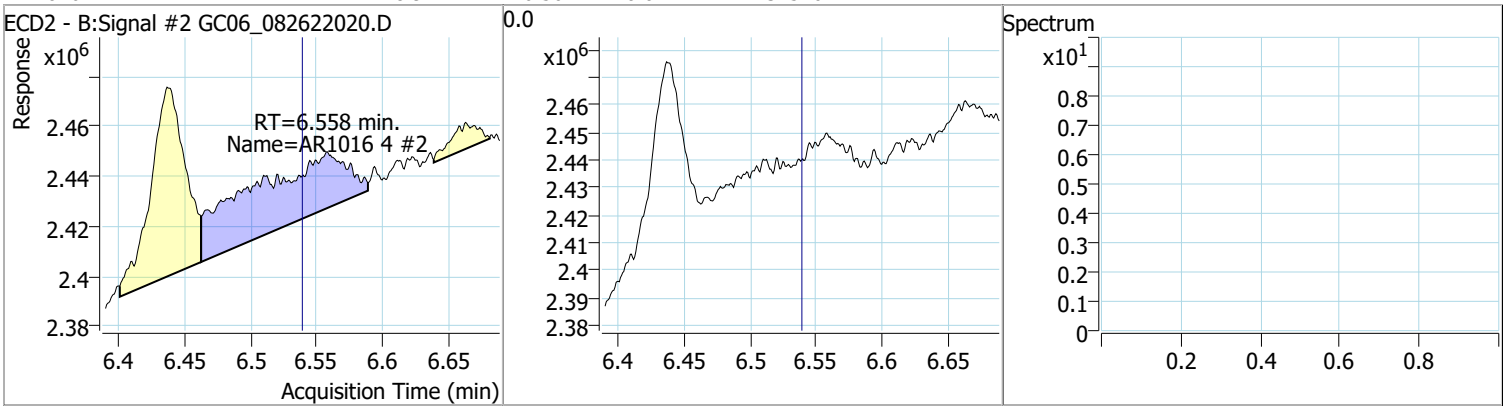
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	58.4956	6.26	-0.14	253172				



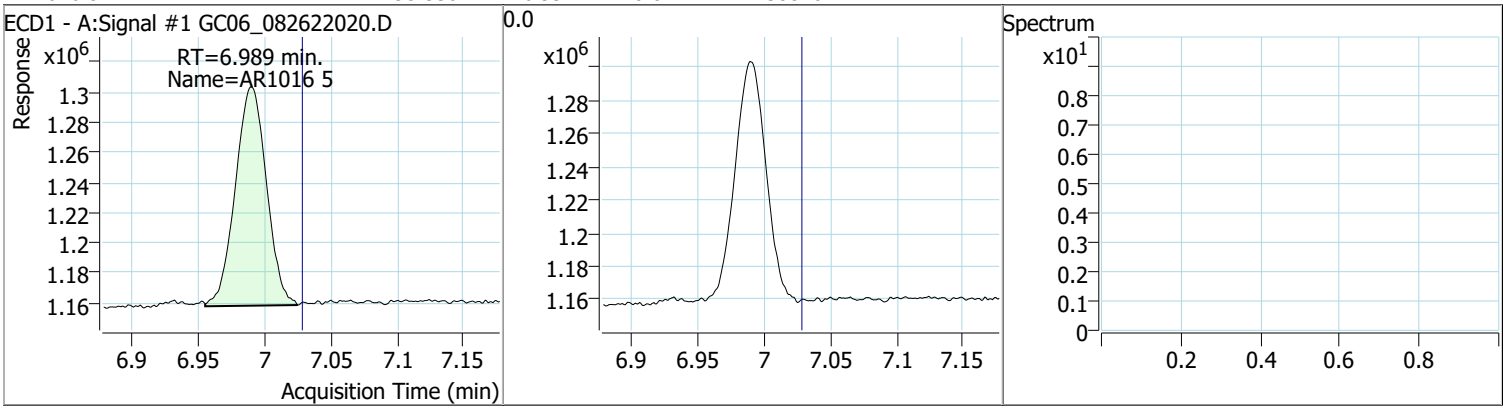
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	107.6458	6.53	0.00	348648				



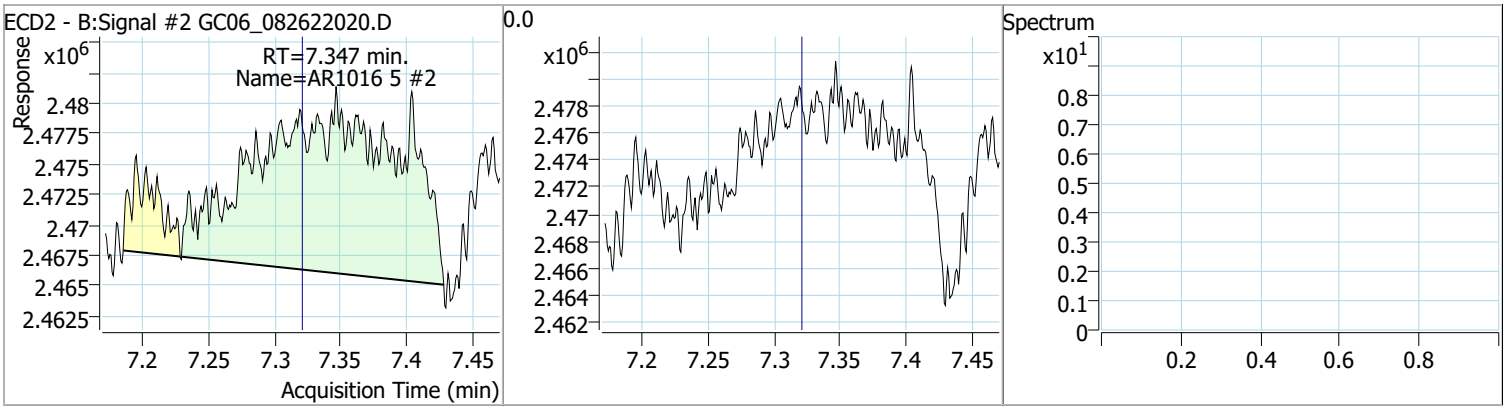
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	8.9214	6.56	0.02	137576				



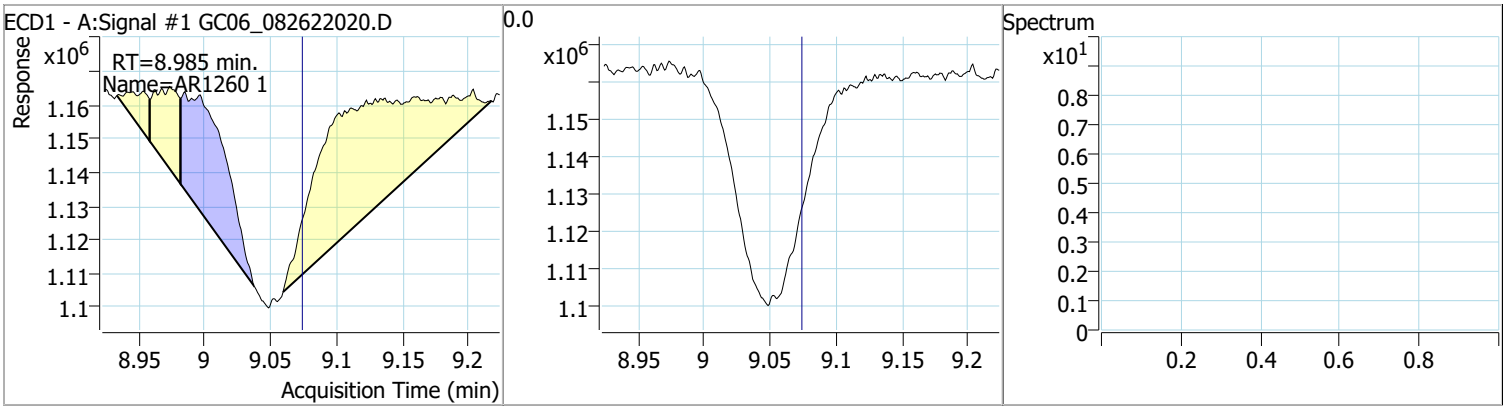
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	95.3304	6.99	-0.04	238840				



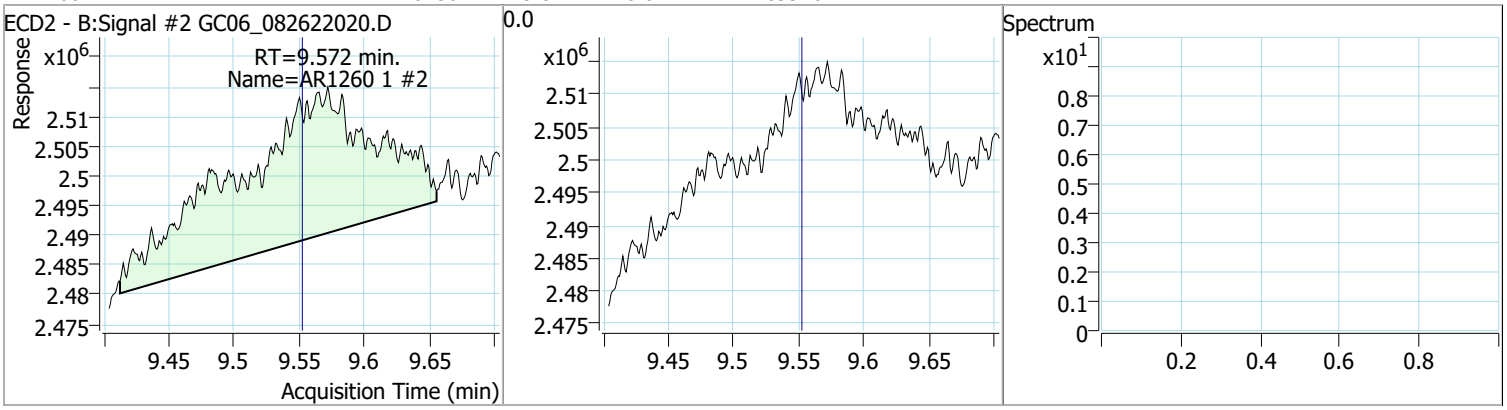
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	8.9061	7.35	0.02	107375				



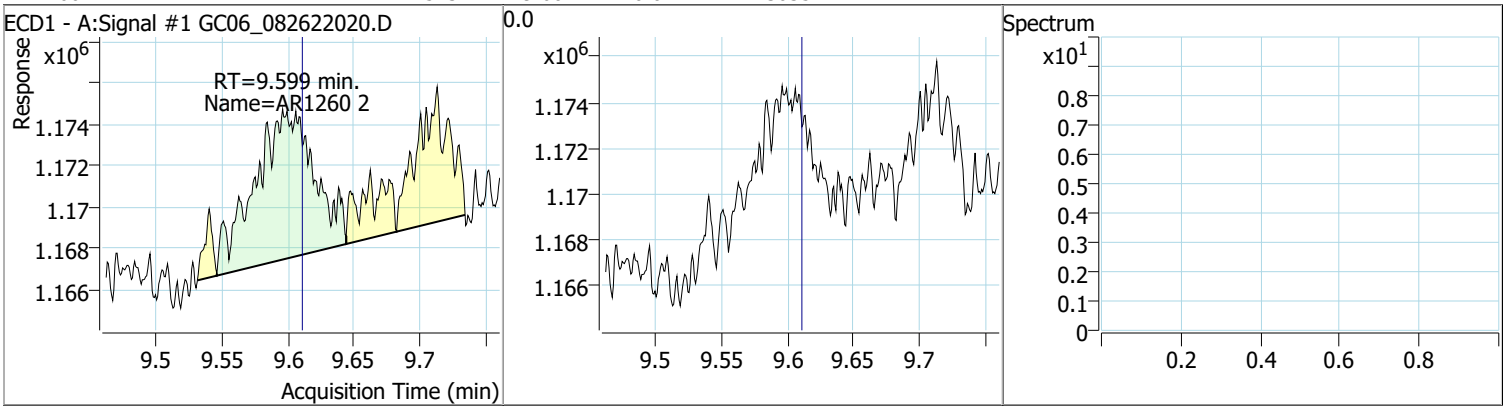
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	14.6079	8.99	-0.09	79376				



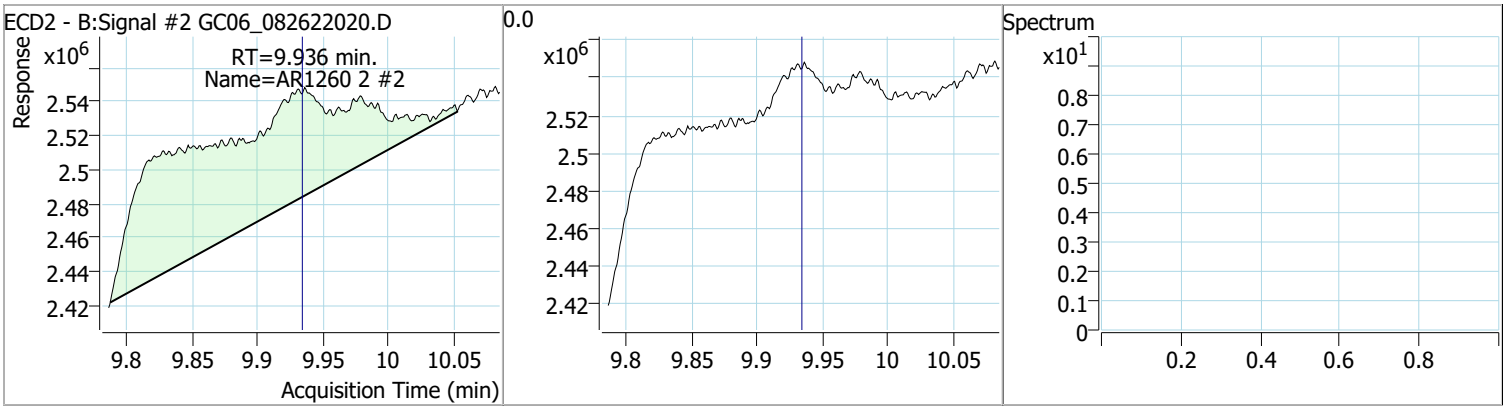
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	7.0756	9.57	0.02	189920				



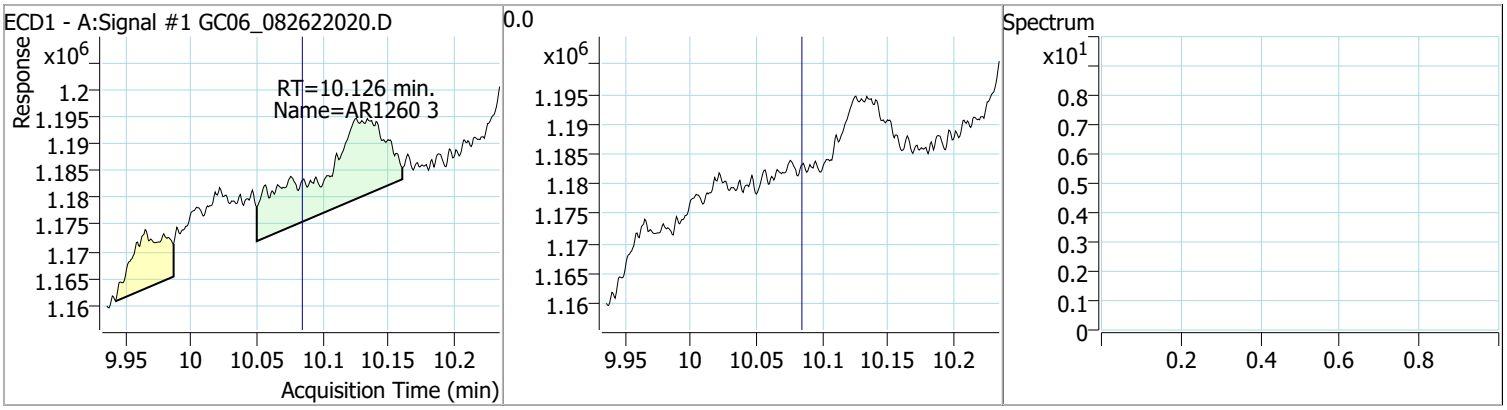
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2.7523	9.60	-0.01	23035				



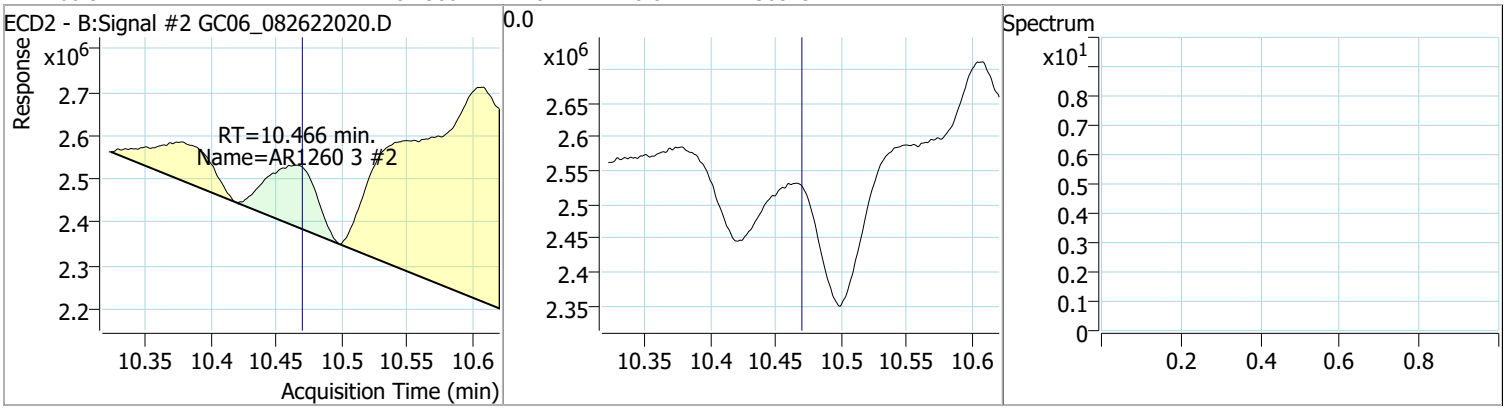
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	22.0747	9.94	0.00	684642				



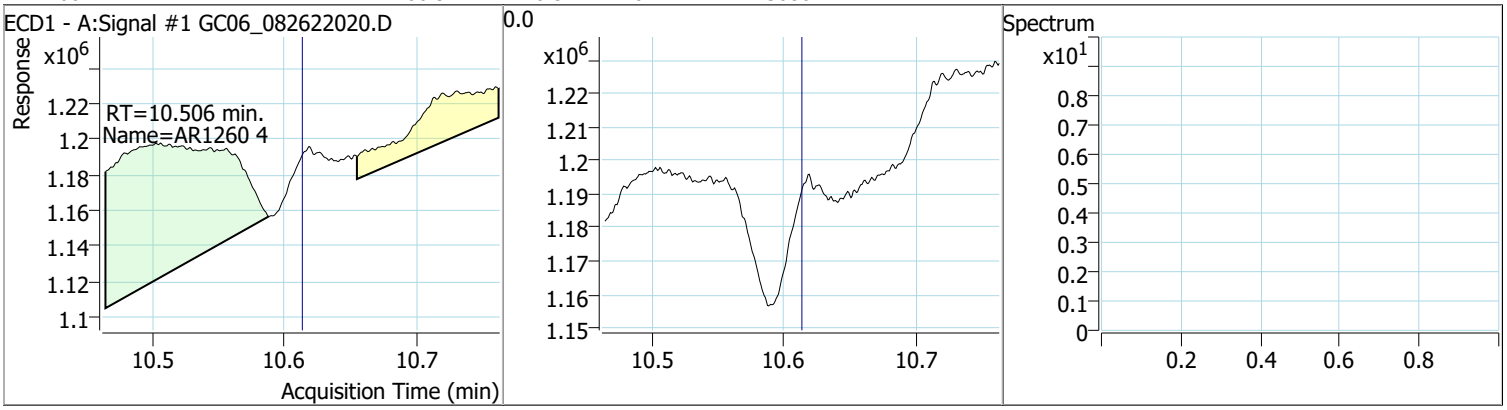
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	6.7079	10.13	0.04	58362				



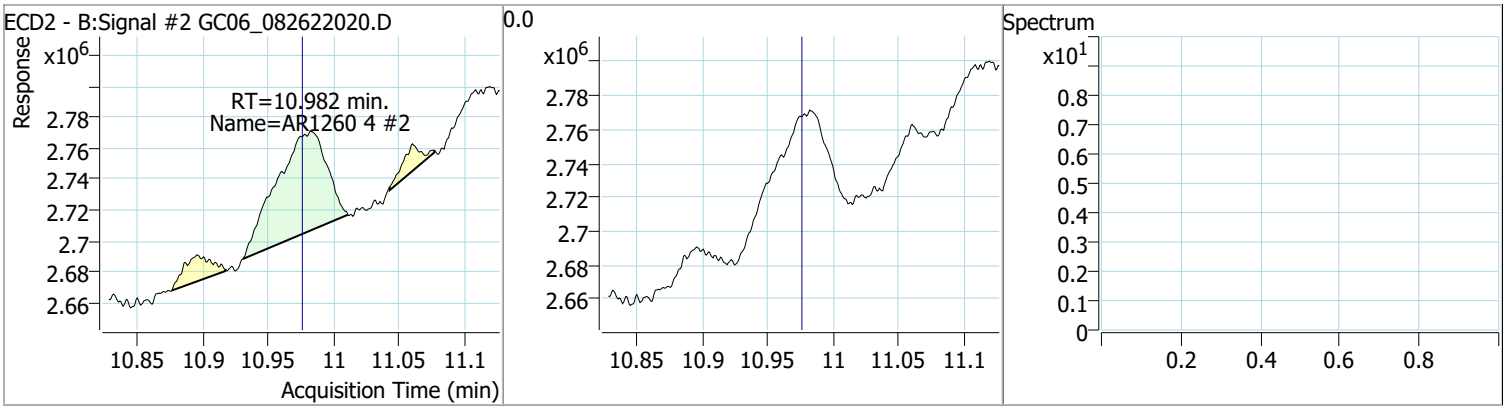
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	8.7366	10.47	-0.01	368134				



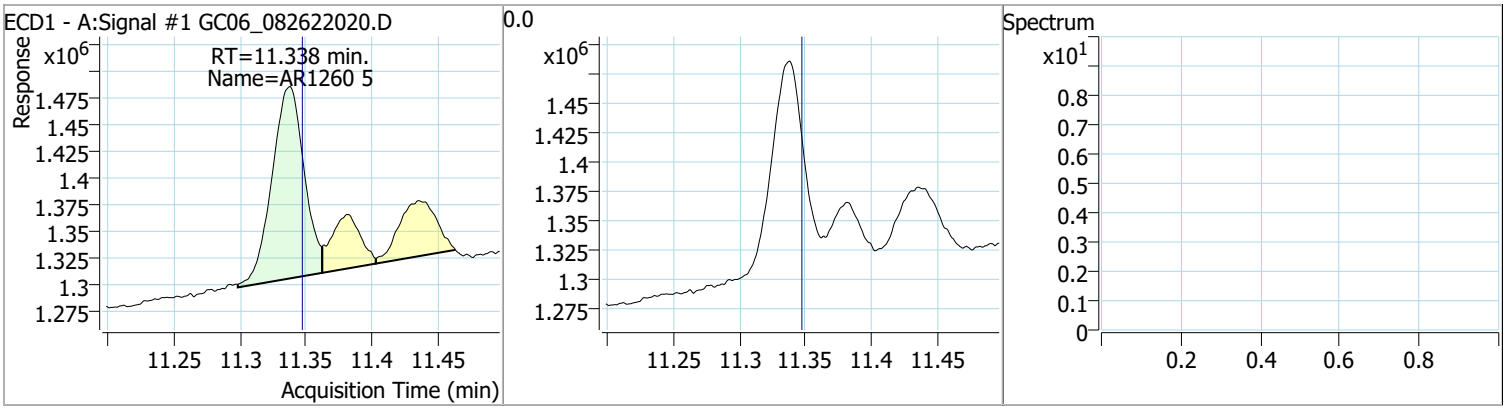
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	100.9471	10.51	-0.11	436801				



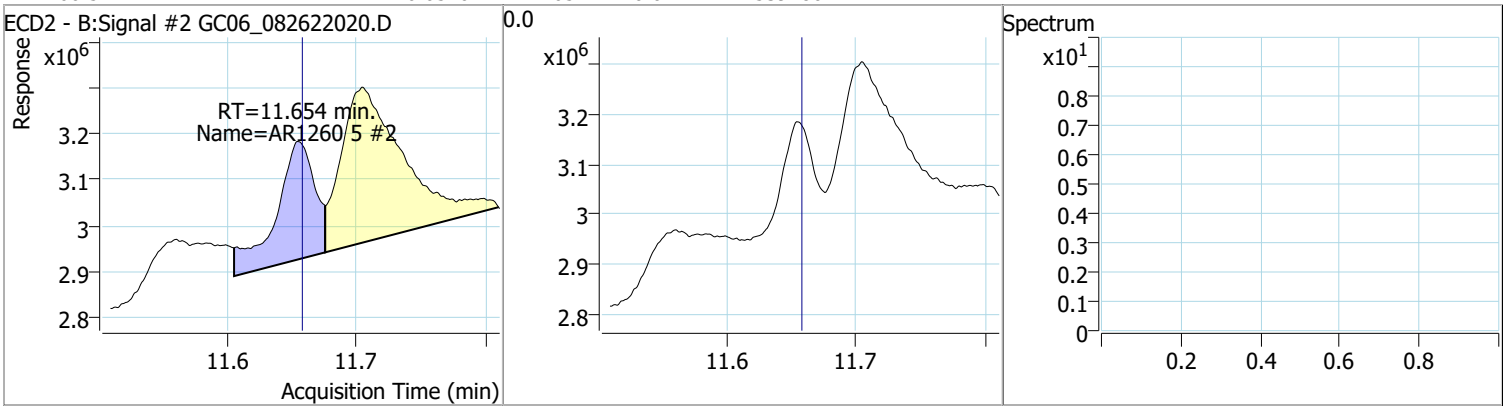
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	7.7729	10.98	0.00	177232				



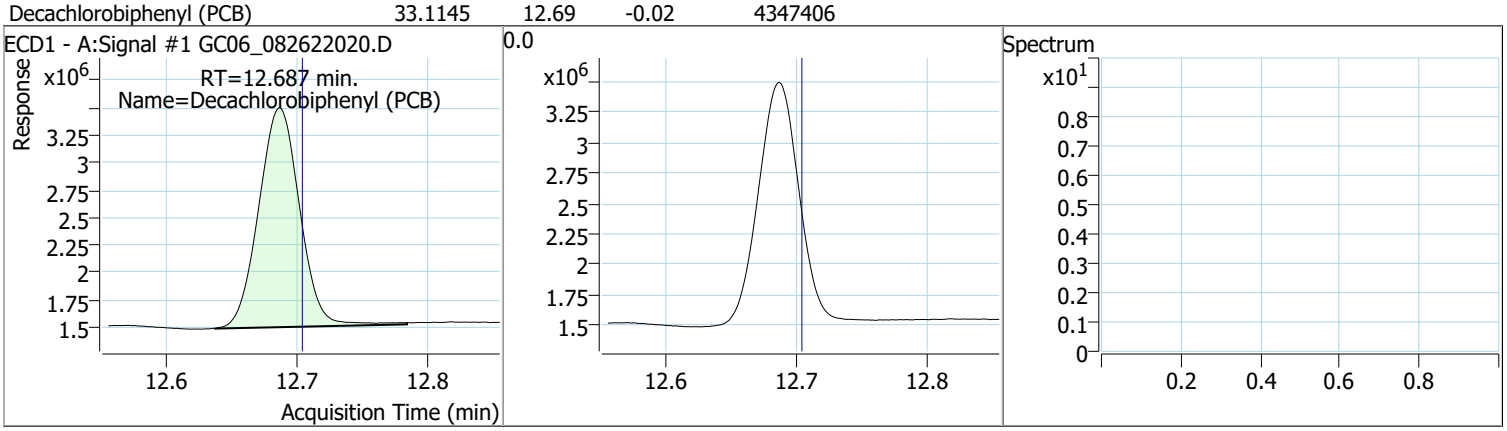
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	53.8743	11.34	-0.01	308536				



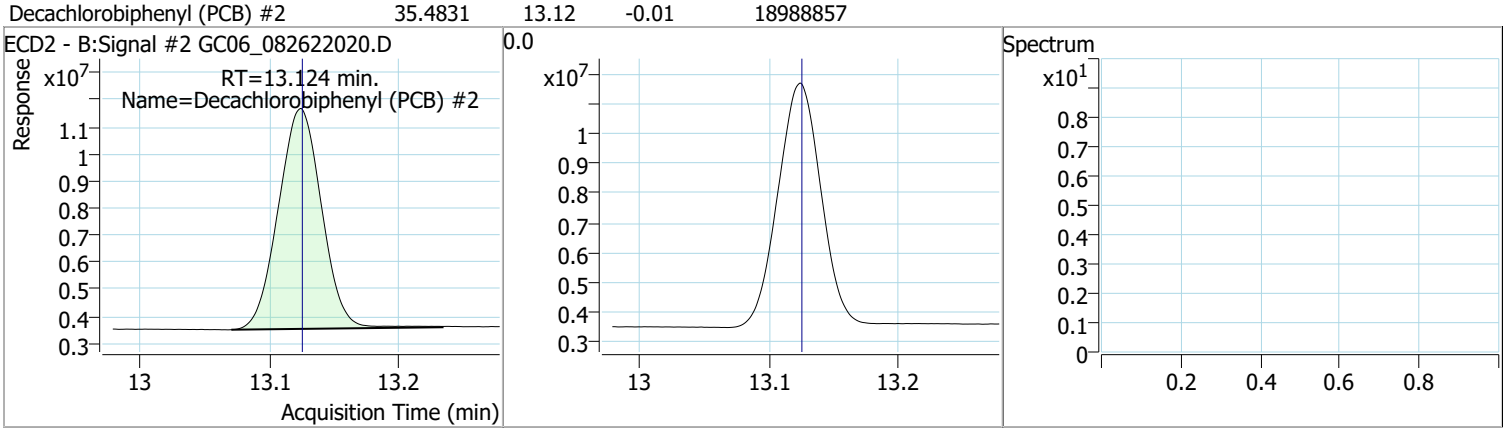
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	16.0570	11.65	-0.01	539780				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	33.1145	12.69	-0.02	4347406				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	35.4831	13.12	-0.01	18988857				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	467771-007	Client ID:	DOOR-N-0.2GE-PS-19-220822-P-G
Seqnum:	452348138008	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_082922008	Batch:	295632	Time:	29-AUG-2022 19:34
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	16.93	ND	1.6	129%	1.0		u
Aroclor-1016 Peak # 1	B	16.09	0.32	0.10	103%			
Aroclor-1016 Peak # 2	B	4.726	0.09	0.02	131%			
Aroclor-1016 Peak # 3	B	59.19	1.18	2.18	59%			
Aroclor-1016 Peak # 4	B	4.269	0.09	2.88	188%			
Aroclor-1016 Peak # 5	B	0.3930	0.01	2.61	199%			
Aroclor-1221	B		ND			1.0		u
Aroclor-1232	B		ND			1.0		u
Aroclor-1242	B		ND			1.0		u
Aroclor-1248	B		ND			1.0		u
Aroclor-1254	B		ND			1.0		u
Aroclor-1260	B	5.001	ND	0.34	109%	1.0		u
Aroclor-1260 Peak # 1	B	1.051	0.02	0.76	189%			
Aroclor-1260 Peak # 2	B	9.996	0.20	0.05	125%			
Aroclor-1260 Peak # 3	B	8.114	0.16	0.03	133%			
Aroclor-1260 Peak # 4	B	2.687	0.05	0.38	151%			
Aroclor-1260 Peak # 5	B	3.155	0.06	0.47	153%			
Aroclor-1262	B		ND			1.0		u
Aroclor-1268	B		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	38.57	1.000	0.7713	77	52-186	c+ u
Decachlorobiphenyl (PCB)	B	32.24	1.000	0.6448	64	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_082922002)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	4927157	4587783	-6.89
1-bromo-2-nitrobenzene (PCB)	A	1411407	1187586	-15.86

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

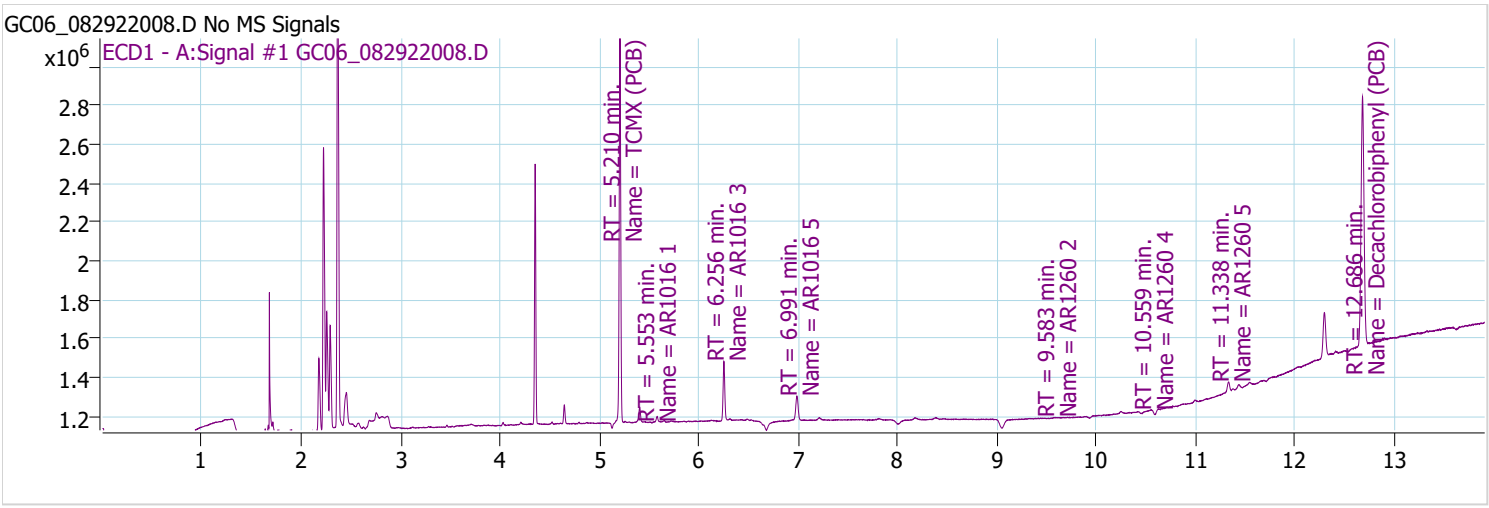
ISTD (CCV gc06_082922002)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.12	4.12	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

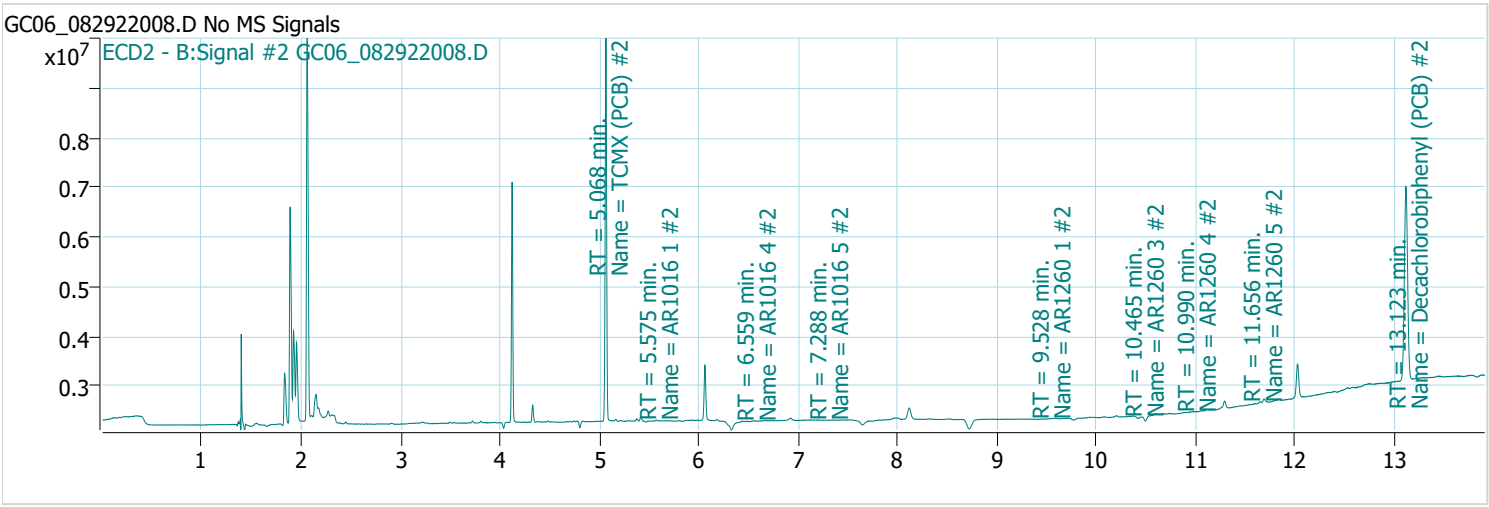
Analyst: TRN 08/30/22

Reviewer: SLL 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082922008.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/29/2022 7:34:20 PM
Sample Name	467771-007, 295632, 1	Instrument	SVOA-GC06
Vial	1	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082922PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



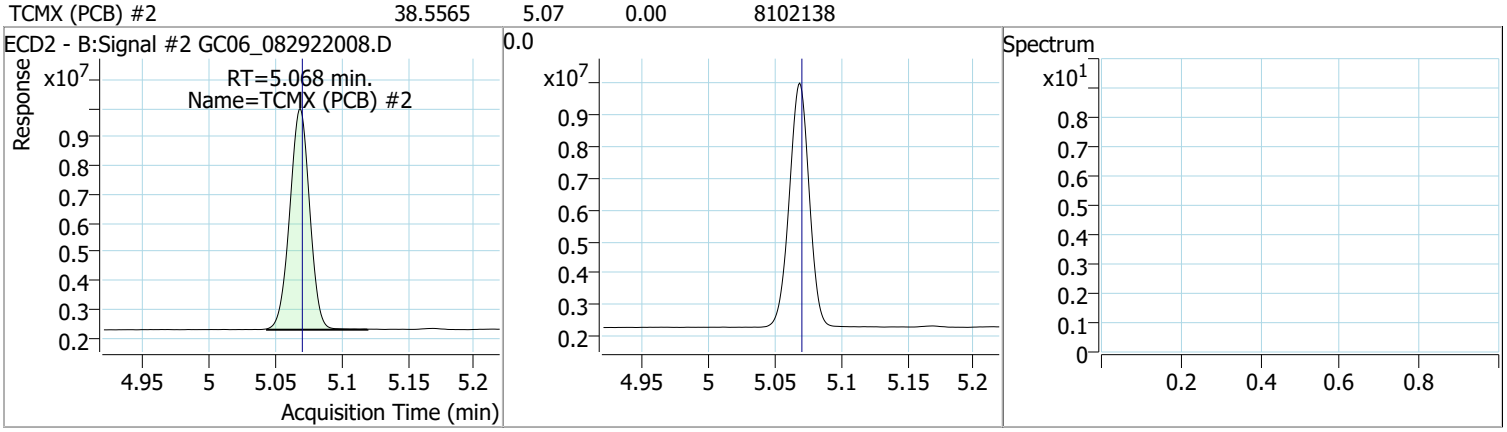


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.124	0.0	4587783.195	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB)	4.356	0.0	1187586.333	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB) #2	5.068	0.0	8102138.469	38.5565	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 192.78%		*	
S TCMX (PCB)	5.210	0.0	2224343.701	38.9393	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 194.70%		*	
S Decachlorobiphenyl (PCB)	12.686	0.0	2692811.879	29.8216	ng/ml		-0.020
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 149.11%			
S Decachlorobiphenyl (PCB) #2	13.123	0.0	8922863.374	32.2315	ng/ml		-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 161.16%		*	
Target Compounds							QValue

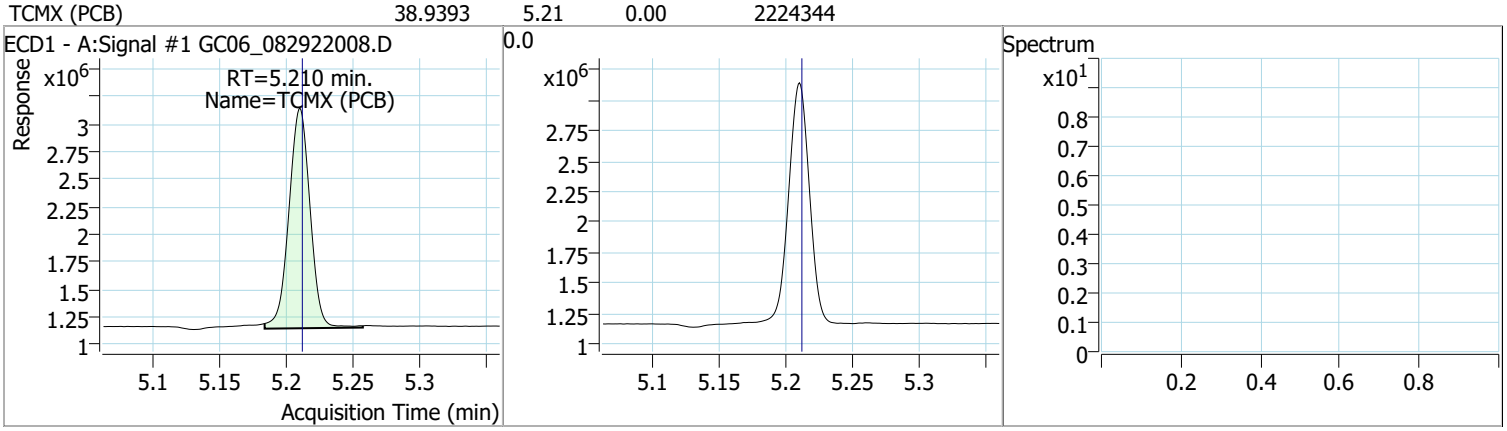
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.575	0.0	69123.142	16.0889	ng/ml	100
T AR1016 1	5.553	0.0	5974.687	5.1432	ng/ml	100
T AR1016 2 #2	5.883	0.0	42130.778	4.7253	ng/ml	100
T AR1016 2	5.919	0.0	2483.944	0.9820	ng/ml	100
T AR1016 3 #2	6.440	0.0	695804.319	59.1754	ng/ml	100
T AR1016 3	6.256	0.0	323660.175	108.7263	ng/ml	100
T AR1016 4	6.492	0.0	320580.101	143.9076	ng/ml	100
T AR1016 4 #2	6.559	0.0	34049.317	4.2683	ng/ml	100
T AR1016 5	6.991	0.0	225213.427	130.6941	ng/ml	100
T AR1016 5 #2	7.288	0.0	2450.560	0.3929	ng/ml	100
T AR1260 1	9.199	0.0	142592.962	38.1532	ng/ml	100
T AR1260 1 #2	9.528	0.0	14589.819	1.0507	ng/ml	100
T AR1260 2	9.583	0.0	13308.871	2.3120	ng/ml	100
T AR1260 2 #2	9.983	0.0	160333.147	9.9933	ng/ml	100
T AR1260 3	10.081	0.0	9688.943	1.6191	ng/ml	100
T AR1260 3 #2	10.465	0.0	176824.171	8.1120	ng/ml	100
T AR1260 4	10.559	0.0	56947.902	19.1349	ng/ml	100
T AR1260 4 #2	10.990	0.0	31690.919	2.6868	ng/ml	100
T AR1260 5	11.338	0.0	92890.841	23.5823	ng/ml	100
T AR1260 5 #2	11.656	0.0	54855.523	3.1544	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

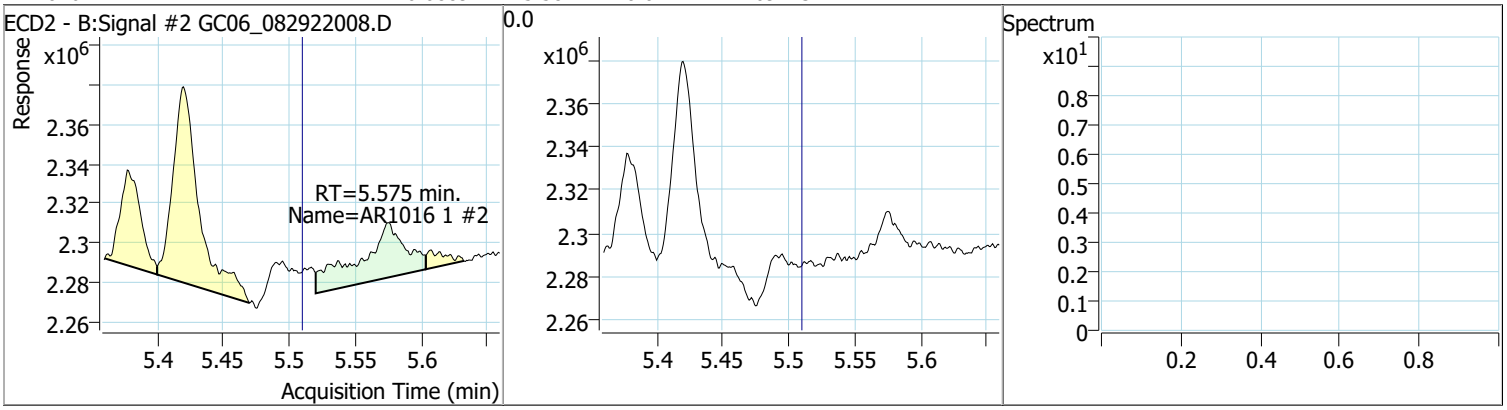
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	38.5565	5.07	0.00	8102138				



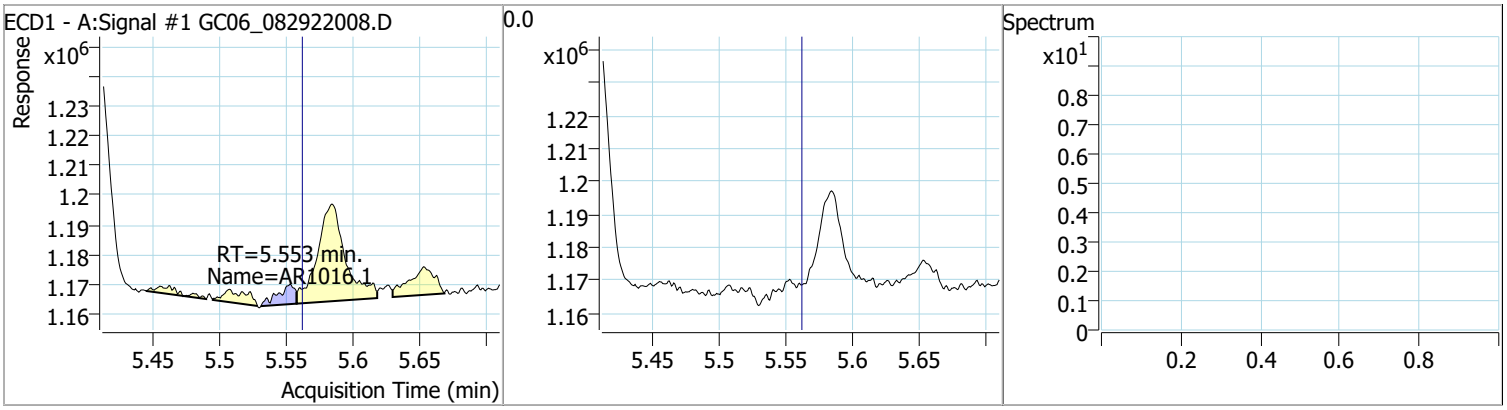
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	38.9393	5.21	0.00	2224344				



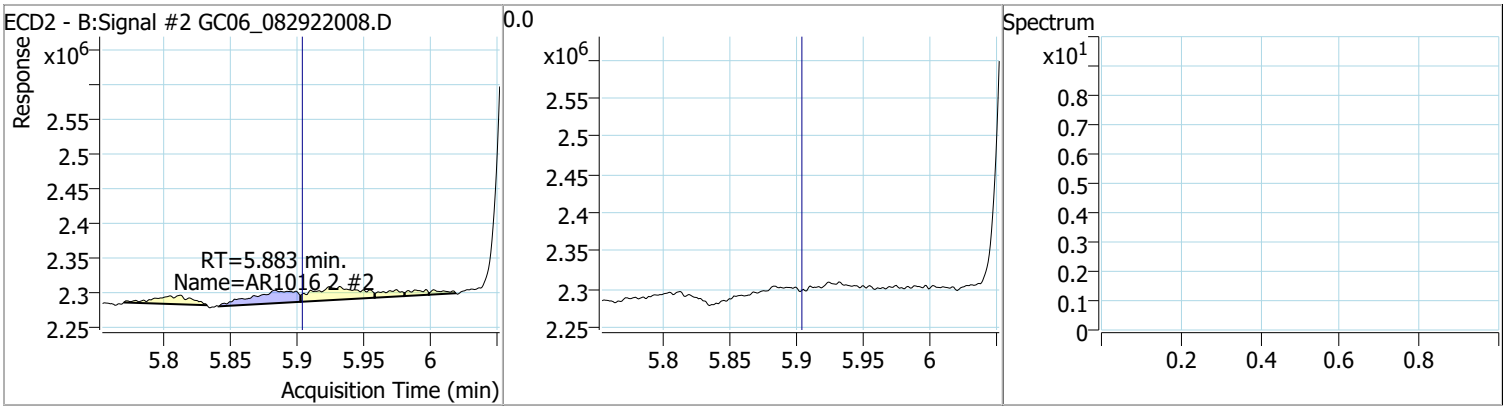
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	16.0889	5.58	0.07	69123				



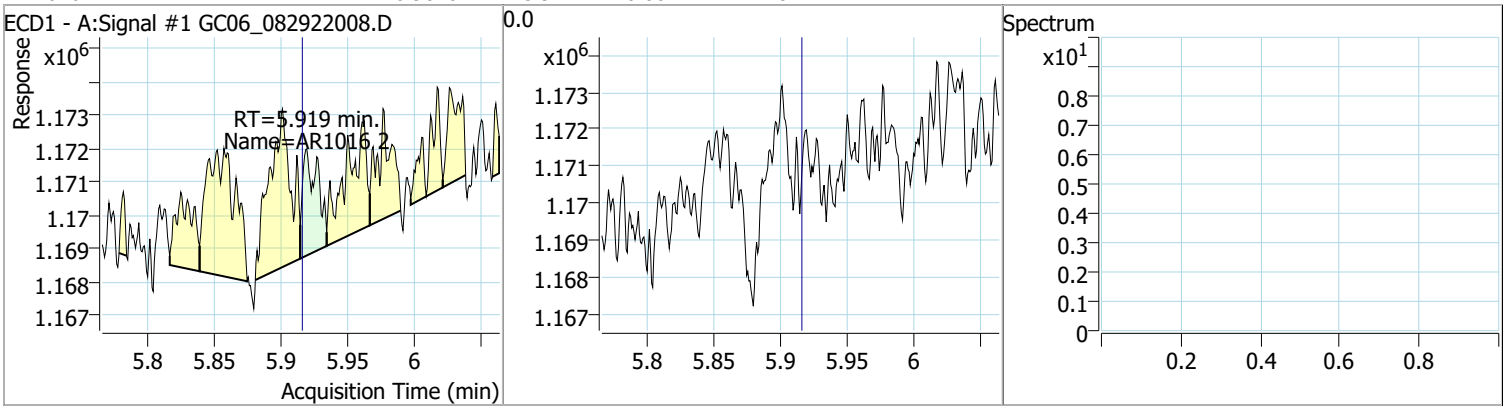
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	5.1432	5.55	-0.01	5975				



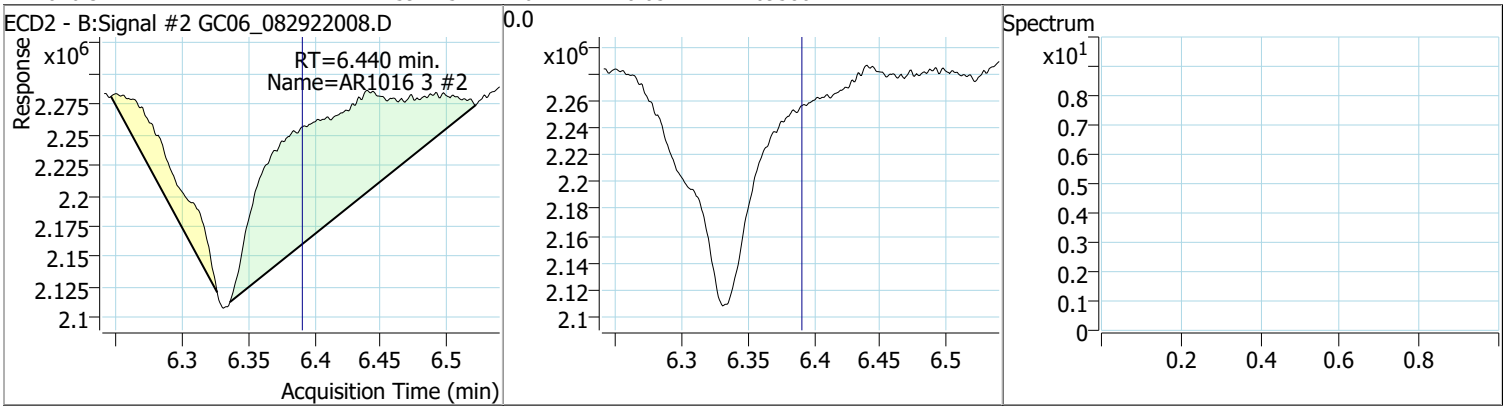
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	4.7253	5.88	-0.02	42131				



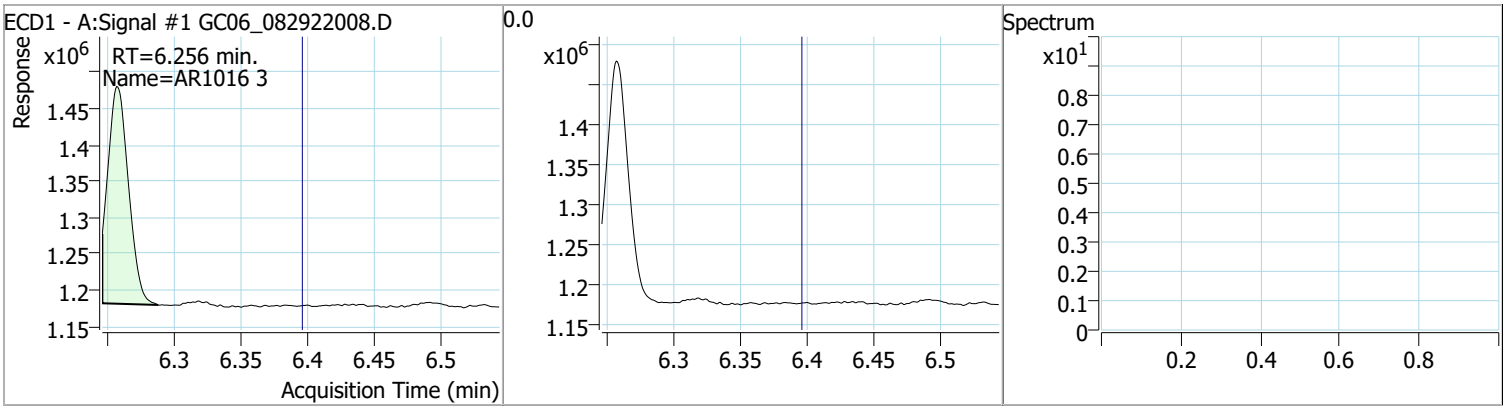
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.9820	5.92	0.00	2484				



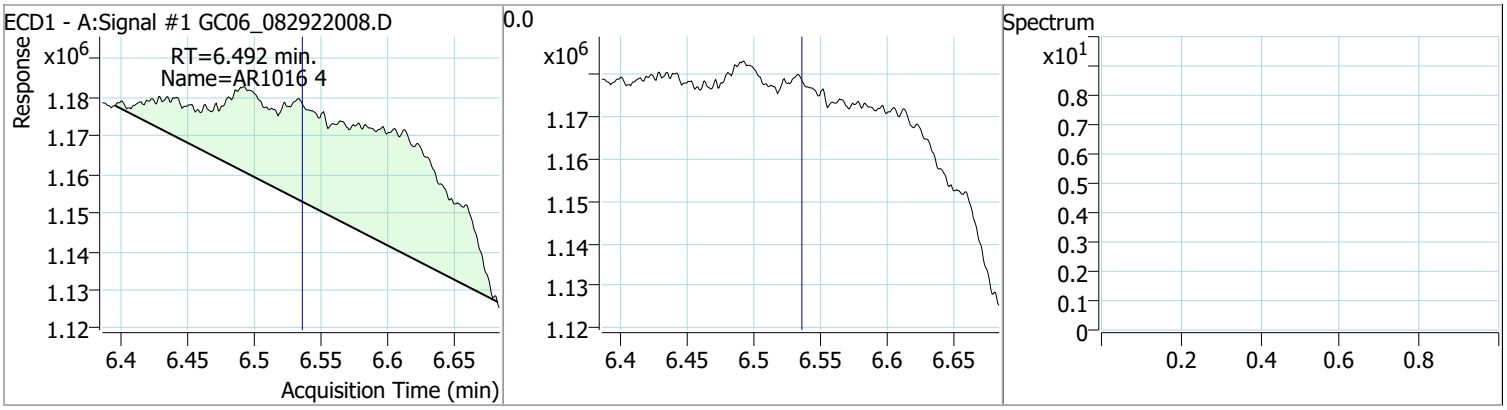
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	59.1754	6.44	0.05	695804				



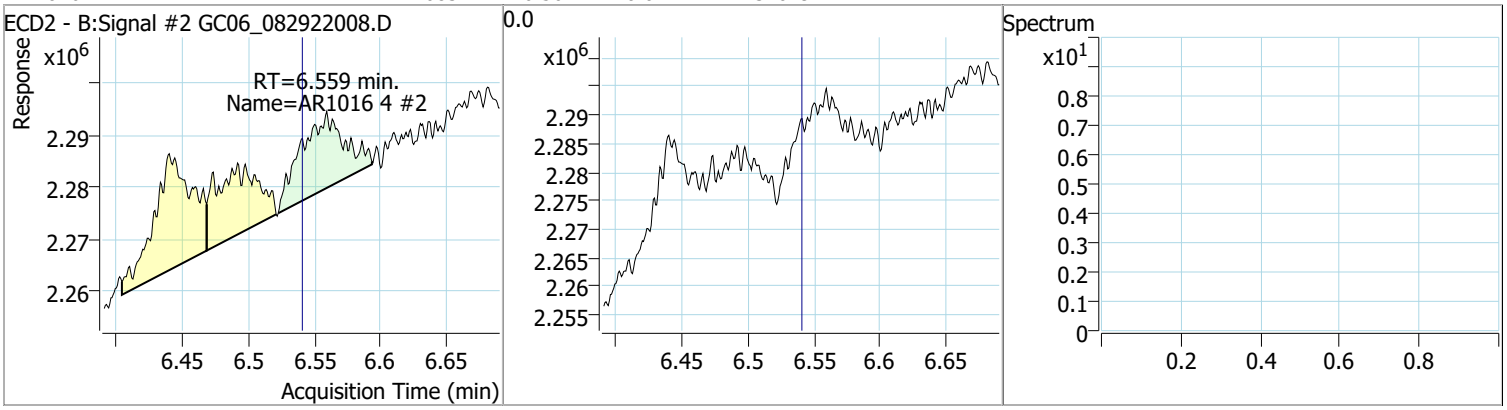
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	108.7263	6.26	-0.14	323660				



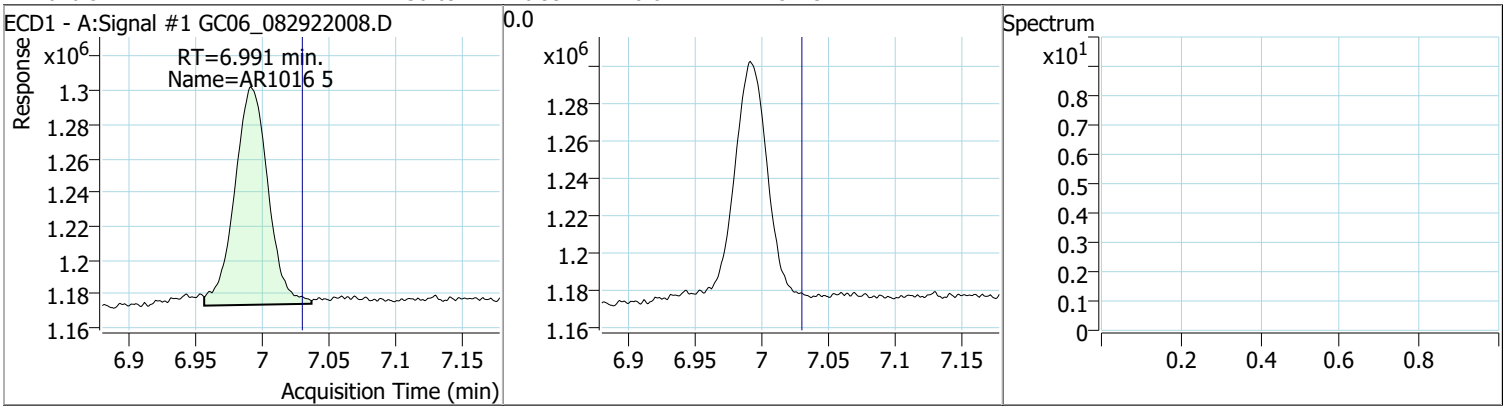
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	143.9076	6.49	-0.04	320580				



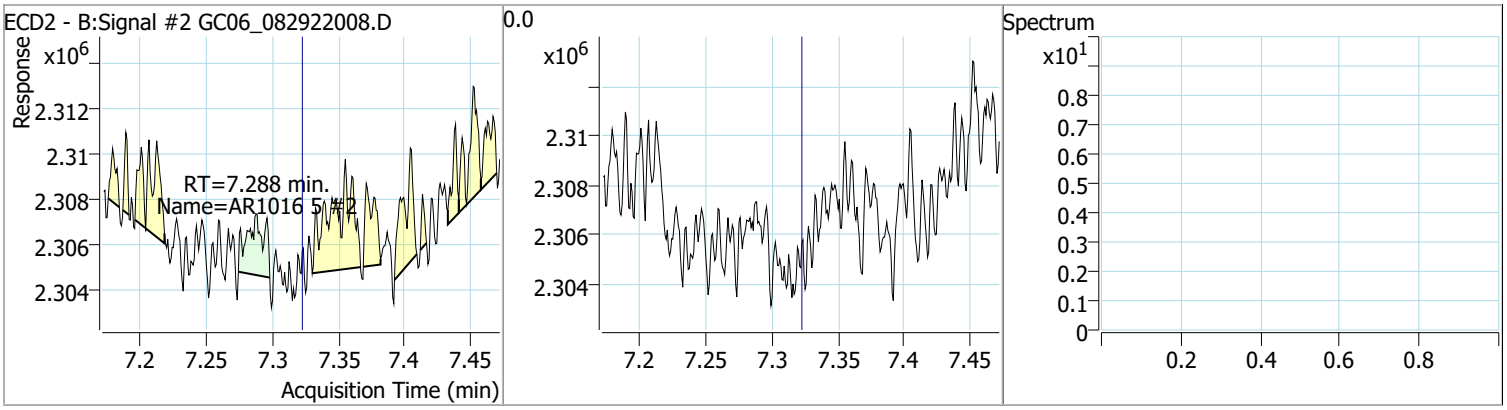
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	4.2683	6.56	0.02	34049				



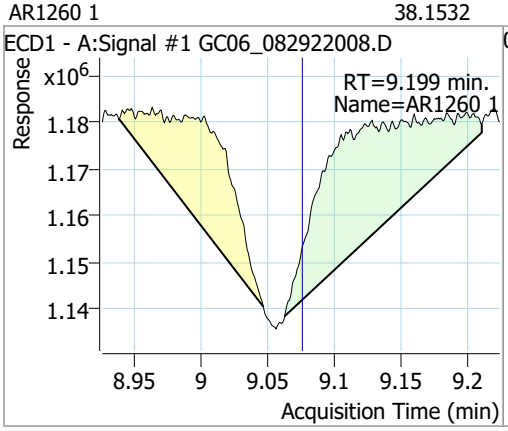
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	130.6941	6.99	-0.04	225213				

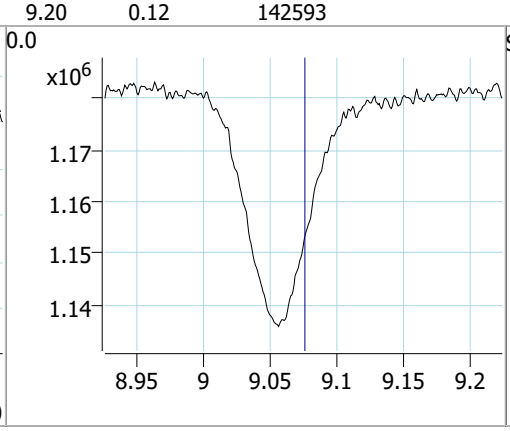


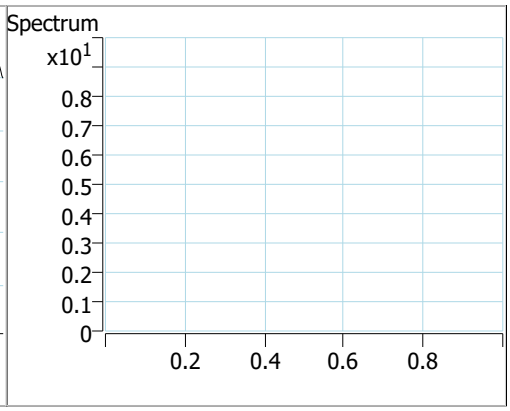
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.3929	7.29	-0.03	2451				



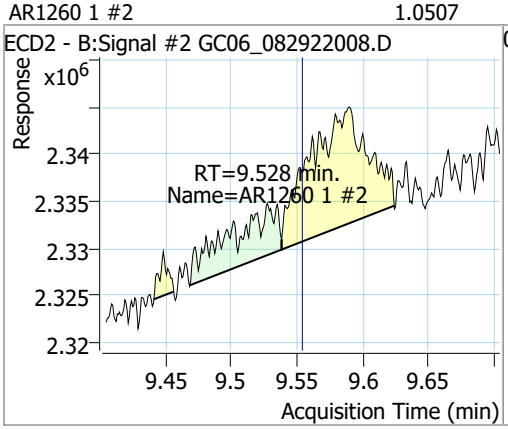
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	38.1532	9.20	0.12	142593				

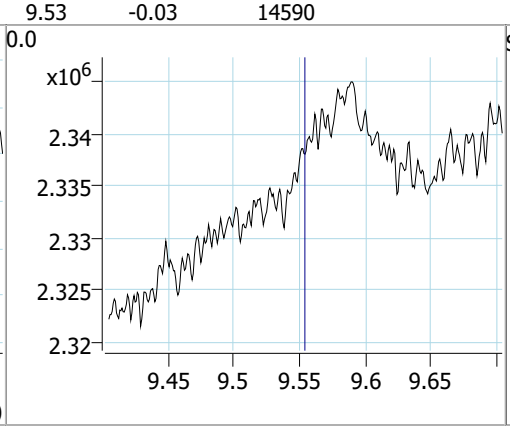


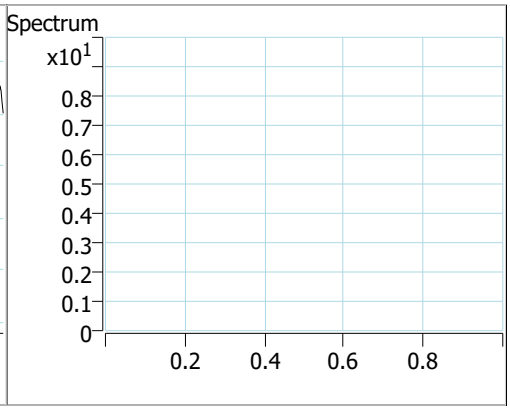




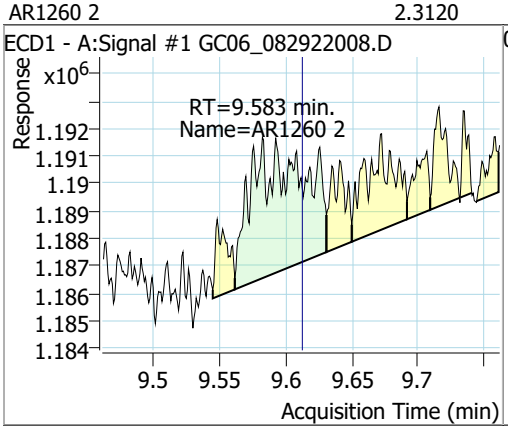
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1.0507	9.53	-0.03	14590				

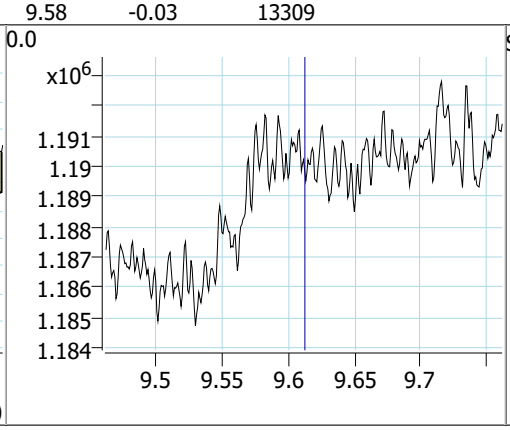


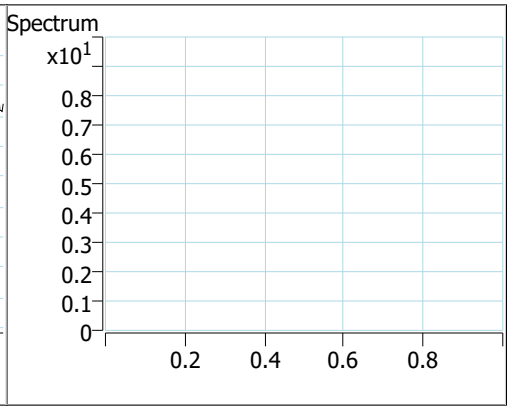




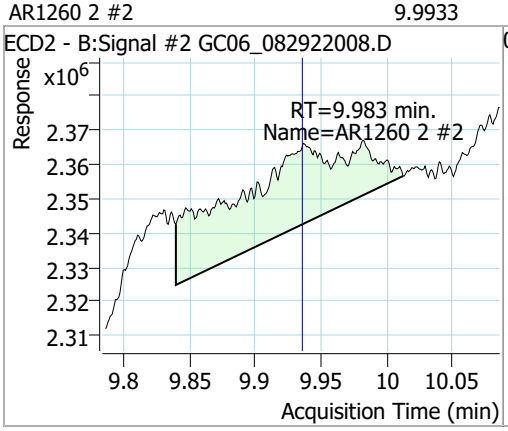
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2.3120	9.58	-0.03	13309				

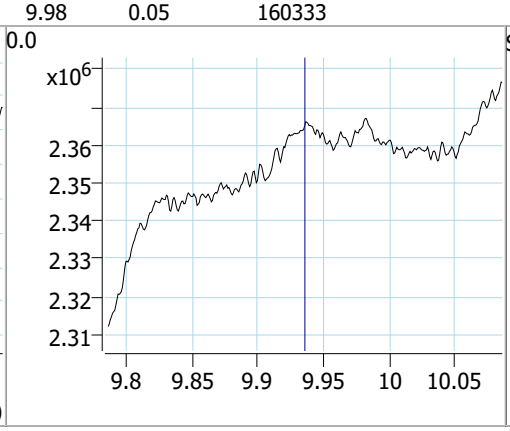


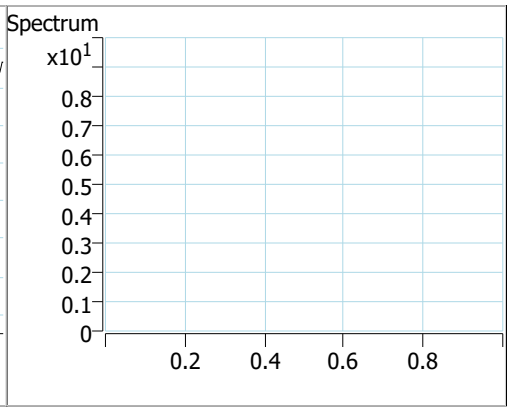




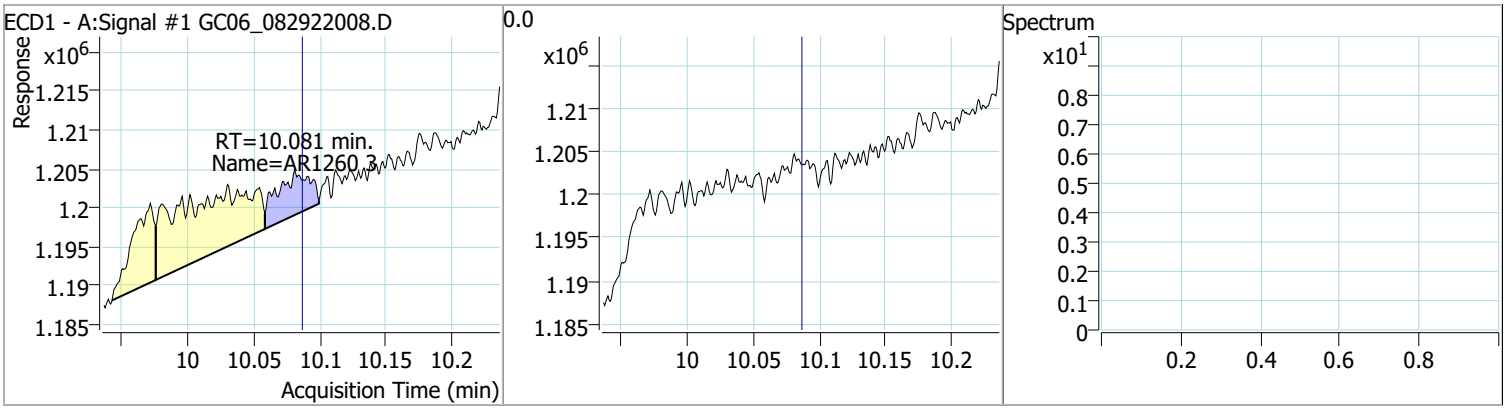
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	9.9933	9.98	0.05	160333				



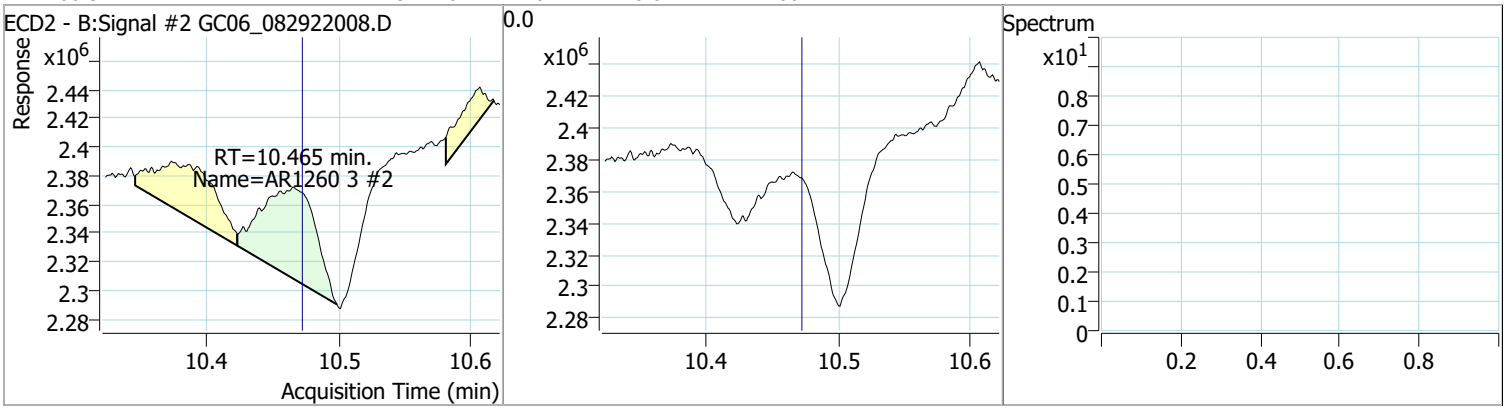




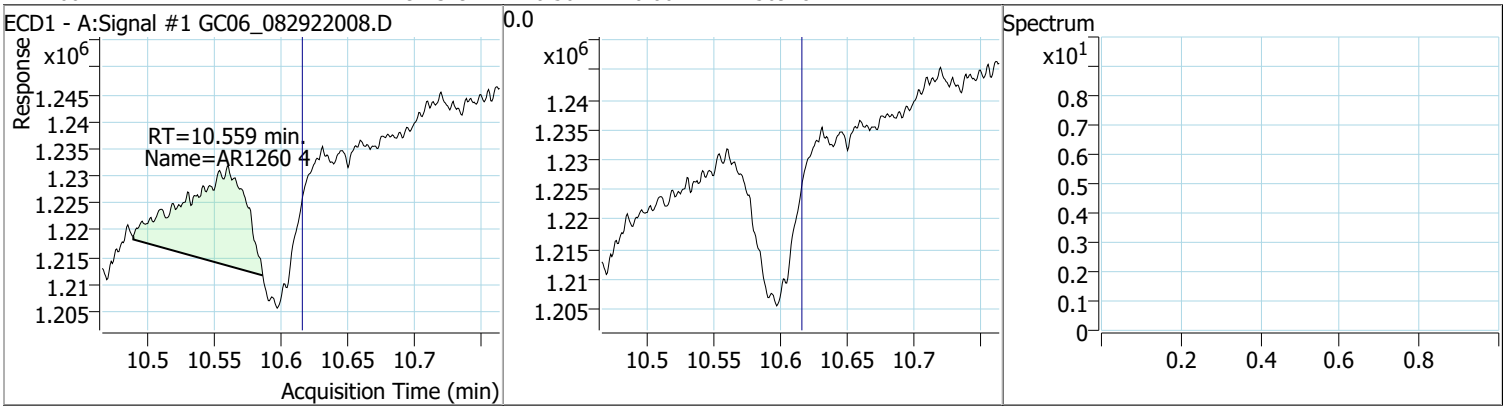
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1.6191	10.08	-0.01	9689				



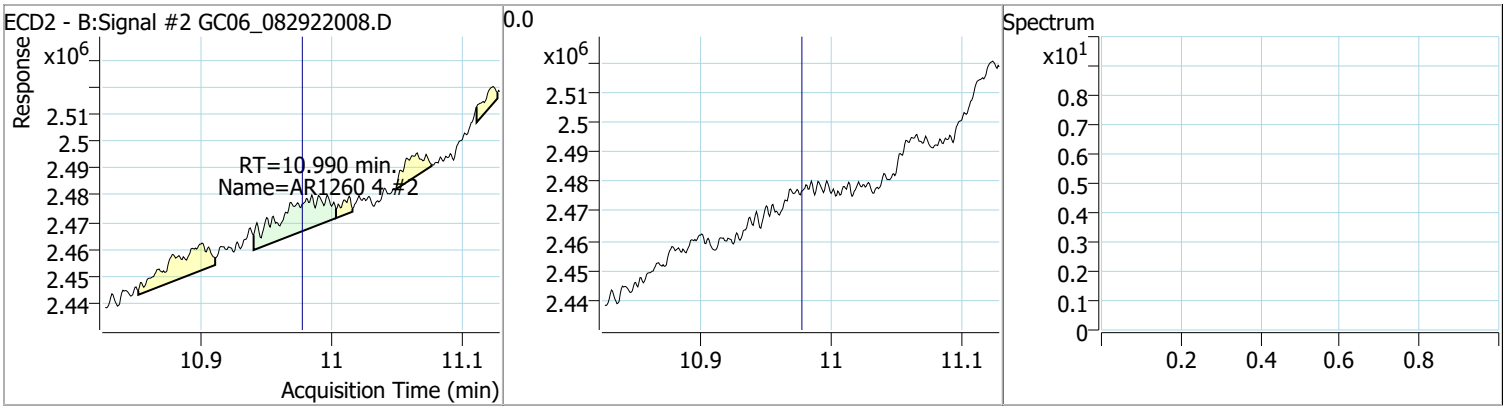
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	8.1120	10.47	-0.01	176824				



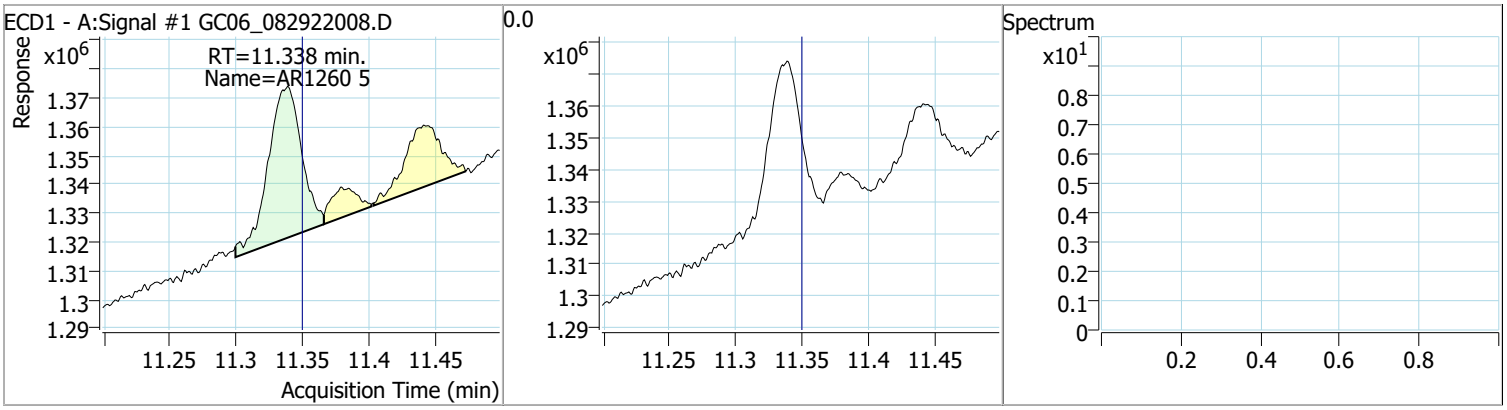
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	19.1349	10.56	-0.06	56948				



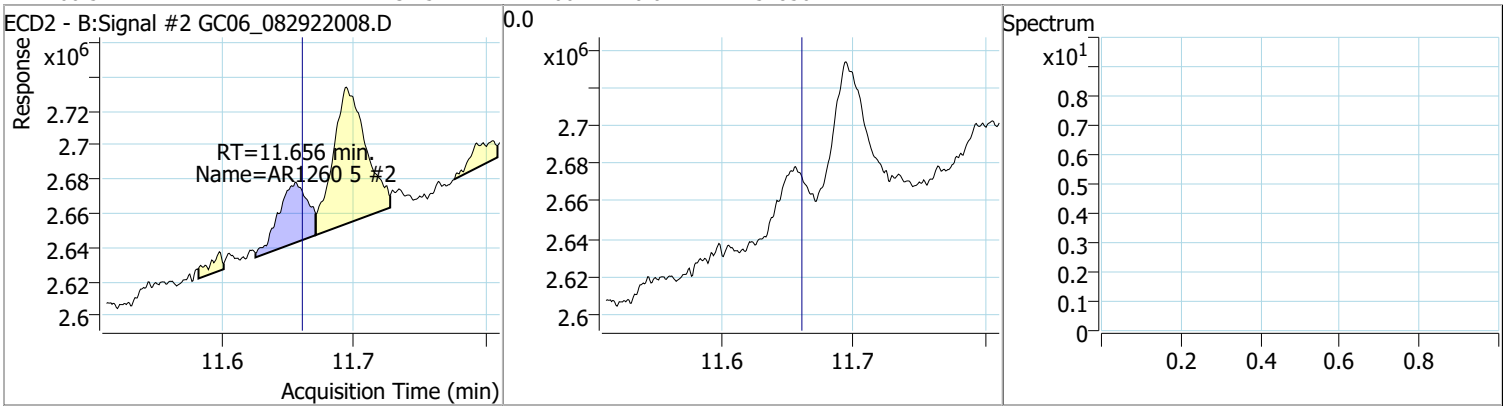
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	2.6868	10.99	0.01	31691				



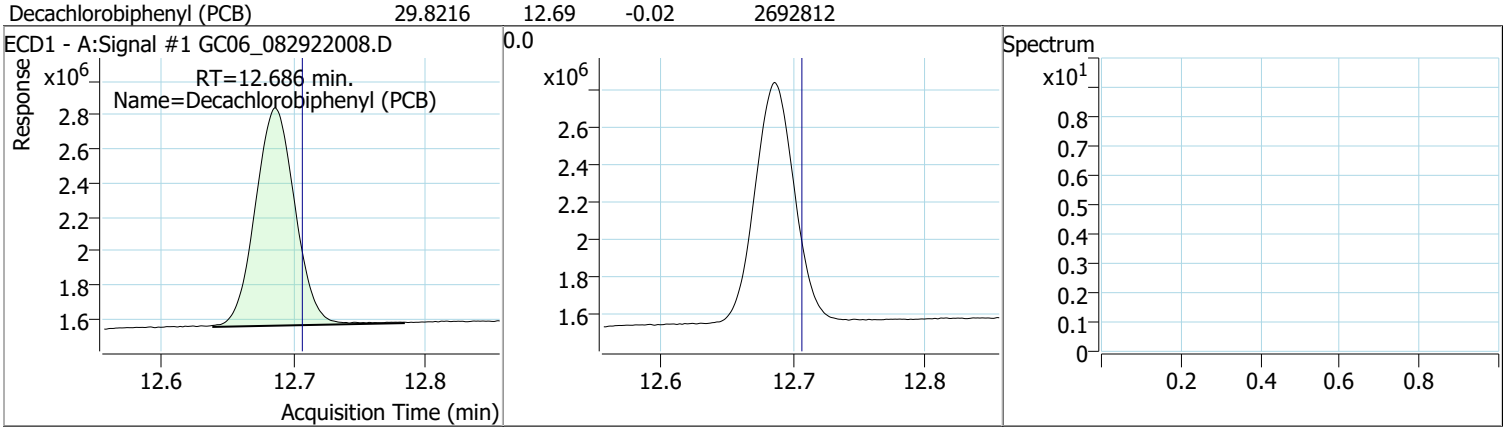
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	23.5823	11.34	-0.01	92891				



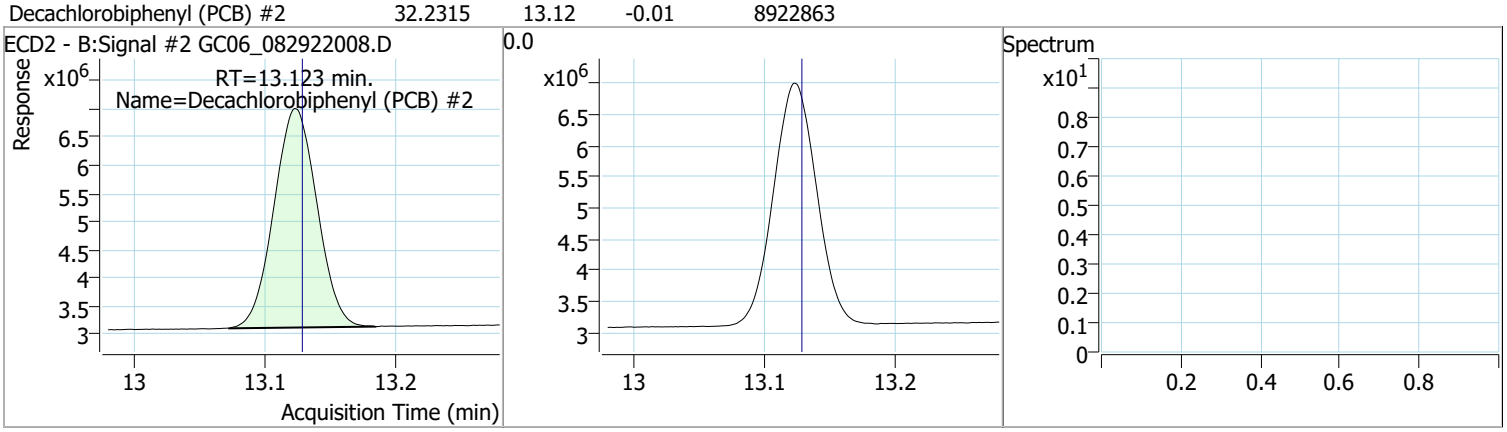
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	3.1544	11.66	-0.01	54856				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	29.8216	12.69	-0.02	2692812				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	32.2315	13.12	-0.01	8922863				



QC Raw Data

ENTHALPY BLANK USER REPORT FOR 467771 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Lab ID:	QC1008494		
Seqnum:	452343556013.3	Matrix:	Wipe		
File:	gc06_082622013	Batch:	295632	Time:	26-AUG-2022 17:17
Cal:	452150634002	Caldate:	14-APR-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Flags
Aroclor-1016	A	22.15	ND	0.098	77%	0.50	u
Aroclor-1016 Peak # 1	A	33.85	0.34	0.03	168%		
Aroclor-1016 Peak # 2	A	8.518	0.09	0.13	44%		
Aroclor-1016 Peak # 3	A	6.310	0.06	0.09	33%		
Aroclor-1016 Peak # 4	A	11.44	0.11	0.13	12%		
Aroclor-1016 Peak # 5	A	50.62	0.51	0.11	129%		
Aroclor-1221	A		ND			0.50	u
Aroclor-1232	A		ND			0.50	u
Aroclor-1242	A		ND			0.50	u
Aroclor-1248	A		ND			0.50	u
Aroclor-1254	A		ND			0.50	u
Aroclor-1260	A	12.95	ND	0.10	23%	0.50	u
Aroclor-1260 Peak # 1	A	0.4210	0.00	0.42	196%		
Aroclor-1260 Peak # 2	A	0.1562	0.00	0.01	153%		
Aroclor-1260 Peak # 3	A	6.340	0.06	0.01	128%		
Aroclor-1260 Peak # 4	A	0.9714	0.01	0.04	126%		
Aroclor-1260 Peak # 5	A	56.85	0.57	0.02	185%		
Aroclor-1262	A		ND			0.50	u
Aroclor-1268	A		ND			0.50	u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	46.11	0.5000	0.4611	92	52-186	c+ u
Decachlorobiphenyl (PCB)	A	36.94	0.5000	0.3694	74	60-140	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_082622002)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8218495	10776439	31.12
1-bromo-2-nitrobenzene (PCB)	A	1919479	2035190	6.03

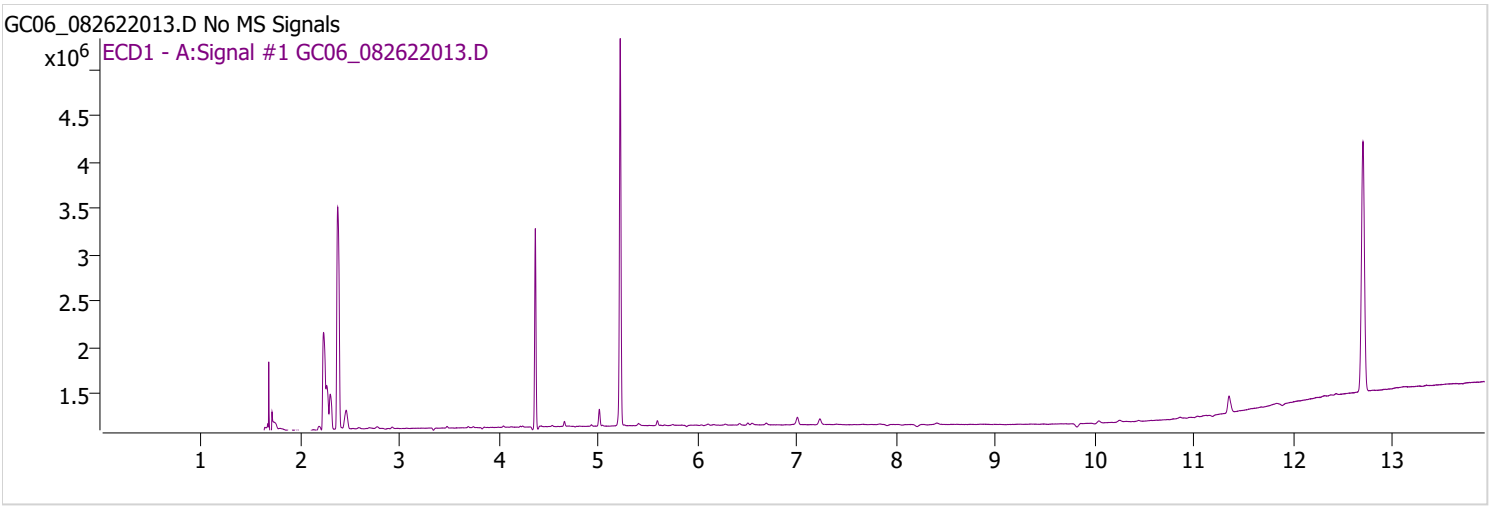
NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

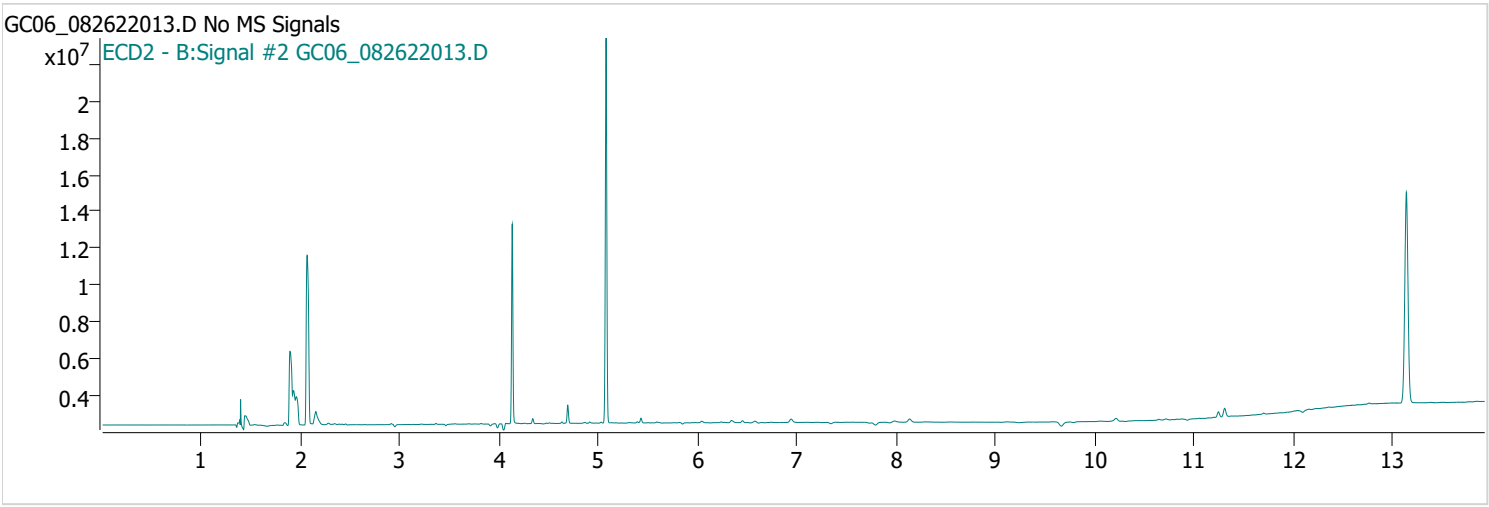
ISTD (CCV gc06_082622002)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.13	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

Analyst: TRN 08/30/22 **Reviewer:** SLL 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622013.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/26/2022 5:17:47 PM
Sample Name	QC1008494, 295632, 1	Instrument	SVOA-GC06
Vial	3	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



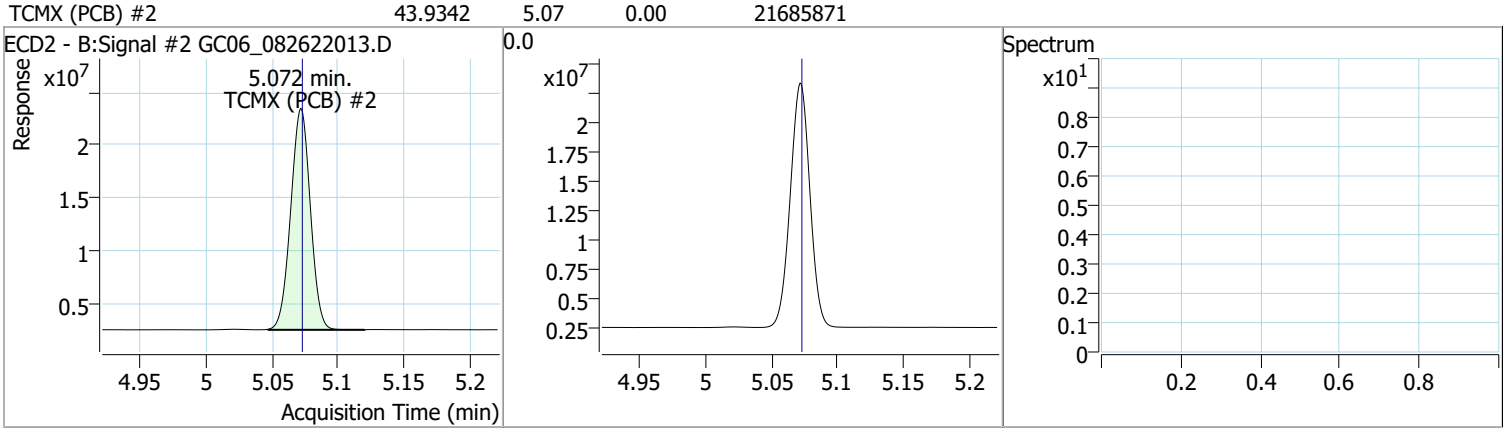


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.127	0.0	10776439.157	20.0000	ng/ml		0.002
M 1-bromo-2-nitrobenzene (PCB)	4.359	0.0	2035190.361	20.0000	ng/ml		0.003
System Monitoring Compounds							
S TCMX (PCB) #2	5.072	0.0	21685870.620	43.9342	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 219.67%		*	
S TCMX (PCB)	5.214	0.0	4512354.527	46.0946	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 230.47%		*	
S Decachlorobiphenyl (PCB)	12.697	0.0	5714684.403	36.9299	ng/ml		-0.009
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 184.65%		*	
S Decachlorobiphenyl (PCB) #2	13.133	0.0	26051940.607	40.0631	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 200.32%		*	
Target Compounds							QValue

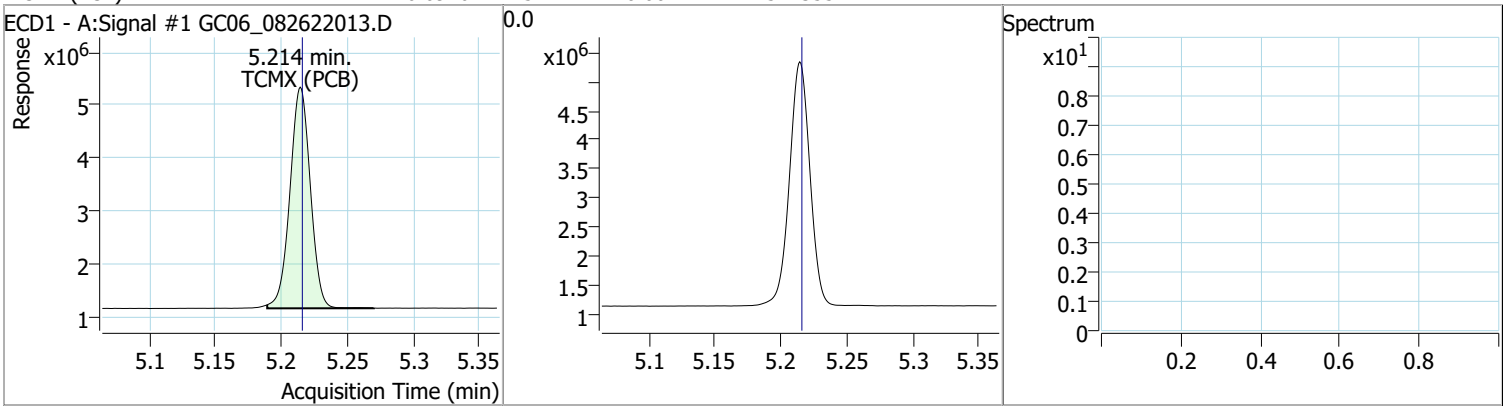
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.495	0.0	29841.819	2.9570	ng/ml	100
T AR1016 1	5.588	0.0	67375.033	33.8436	ng/ml	100
T AR1016 2 #2	5.971	0.0	278587.152	13.3022	ng/ml	100
T AR1016 2	5.832	0.0	36911.988	8.5156	ng/ml	100
T AR1016 3 #2	6.447	0.0	242956.791	8.7965	ng/ml	100
T AR1016 3	6.417	0.0	32184.252	6.3088	ng/ml	100
T AR1016 4	6.541	0.0	43649.254	11.4336	ng/ml	100
T AR1016 4 #2	6.572	0.0	241204.749	12.8724	ng/ml	100
T AR1016 5	6.998	0.0	149448.159	50.6072	ng/ml	100
T AR1016 5 #2	7.295	0.0	160523.223	10.9573	ng/ml	100
T AR1260 1	9.070	0.0	2695.846	0.4209	ng/ml	100
T AR1260 1 #2	9.579	0.0	1379085.786	42.2826	ng/ml	100
T AR1260 2	9.664	0.0	1540.640	0.1562	ng/ml	100
T AR1260 2 #2	10.053	0.0	44577.893	1.1829	ng/ml	100
T AR1260 3	10.036	0.0	65005.600	6.3388	ng/ml	100
T AR1260 3 #2	10.451	0.0	70787.974	1.3825	ng/ml	100
T AR1260 4	10.616	0.0	4952.980	0.9711	ng/ml	100
T AR1260 4 #2	10.873	0.0	117818.494	4.2524	ng/ml	100
T AR1260 5	11.348	0.0	383654.215	56.8347	ng/ml	100
T AR1260 5 #2	11.697	0.0	93305.551	2.2842	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

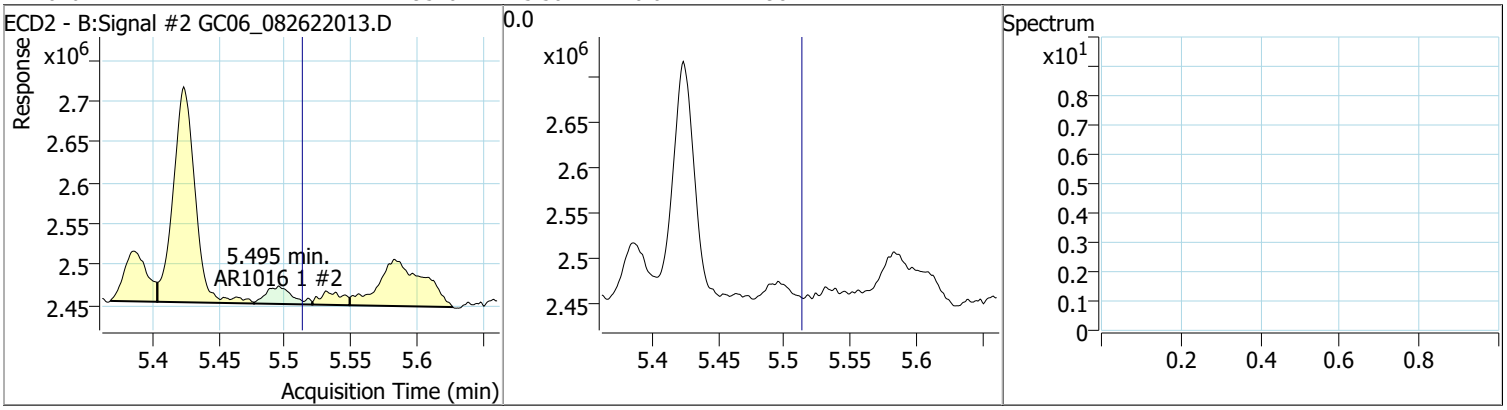
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	43.9342	5.07	0.00	21685871				



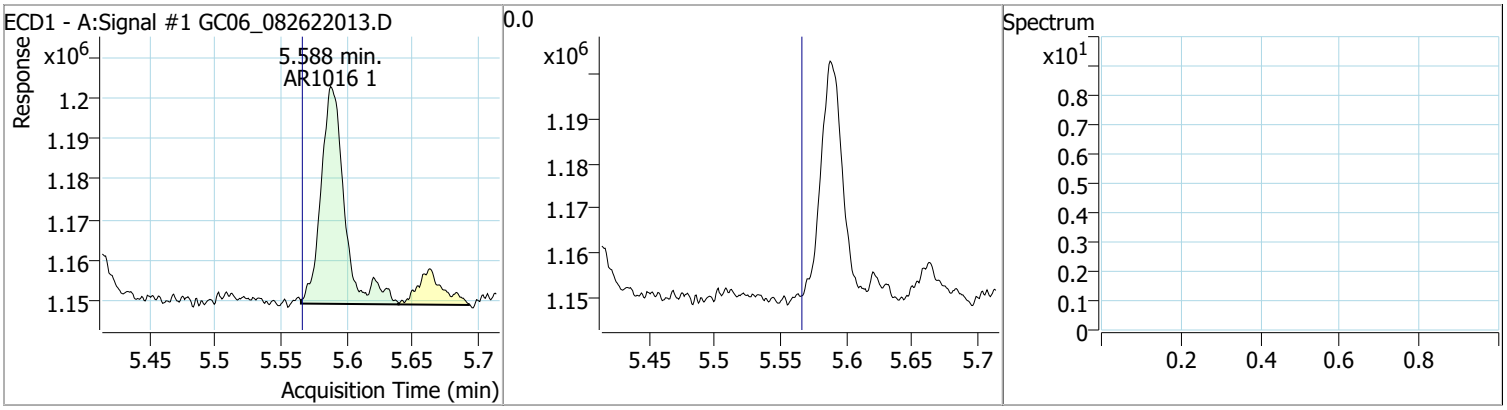
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	46.0946	5.21	0.00	4512355				



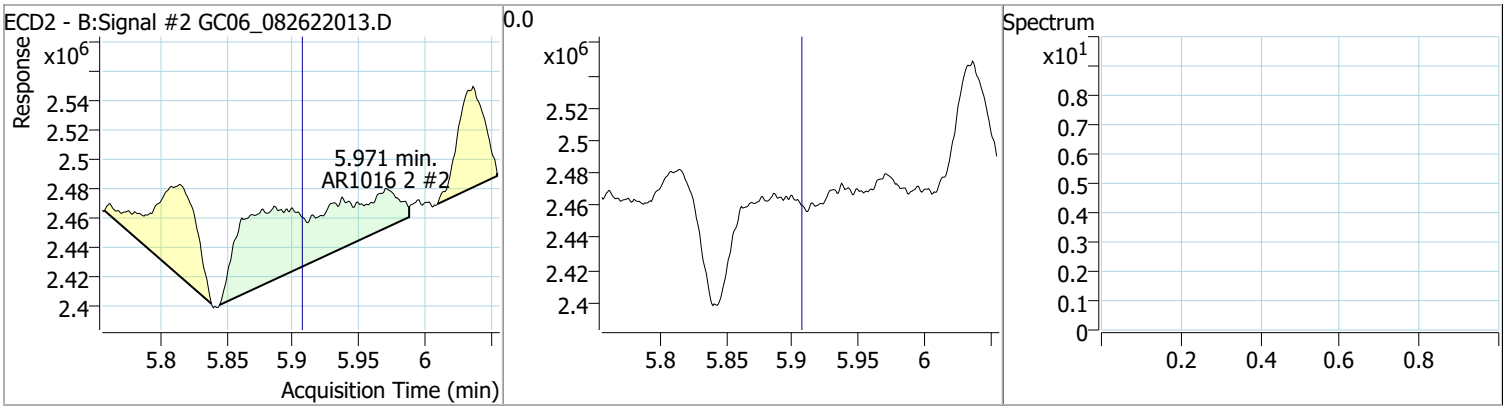
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	2.9570	5.50	-0.01	29842				



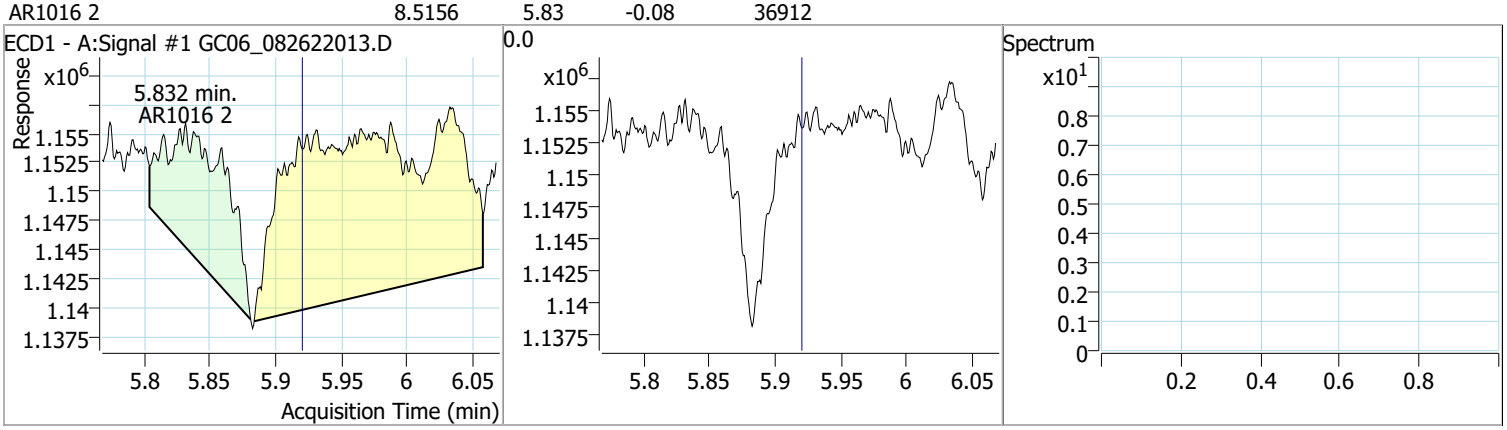
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	33.8436	5.59	0.03	67375				



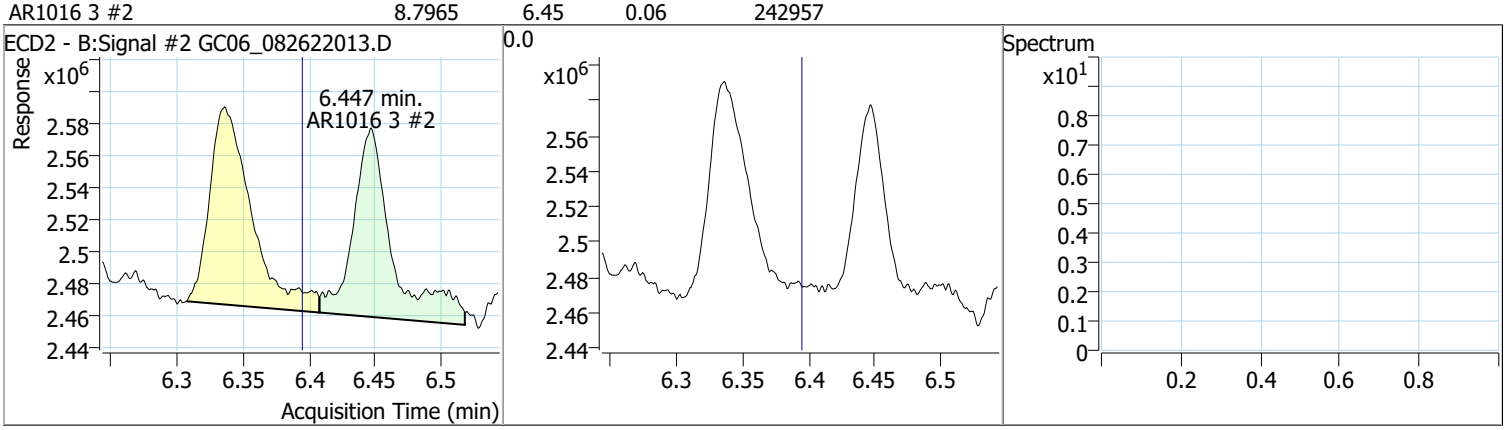
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	13.3022	5.97	0.07	278587				



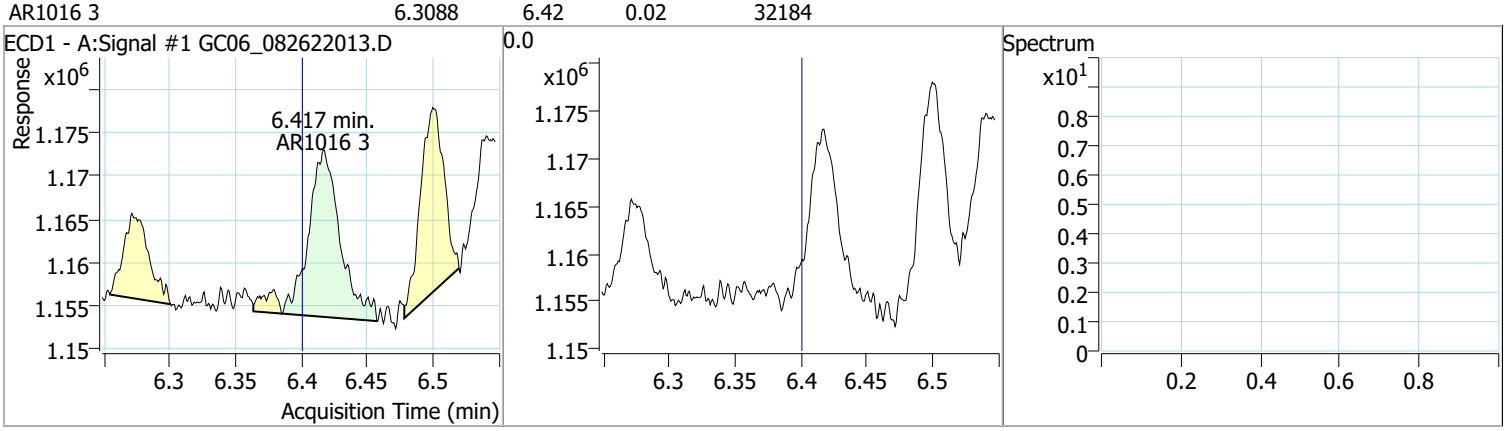
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	8.5156	5.83	-0.08	36912				



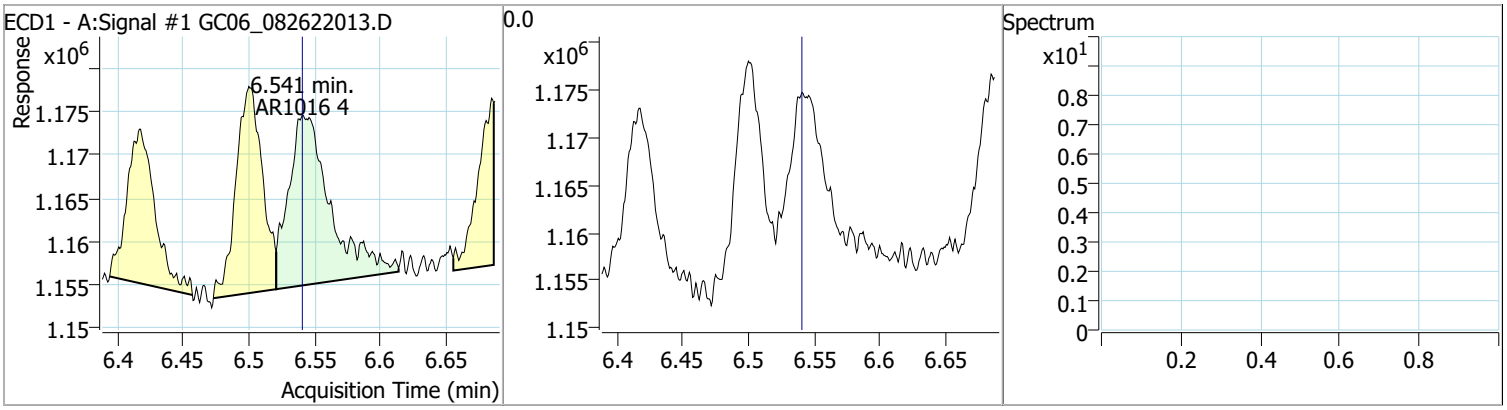
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	8.7965	6.45	0.06	242957				



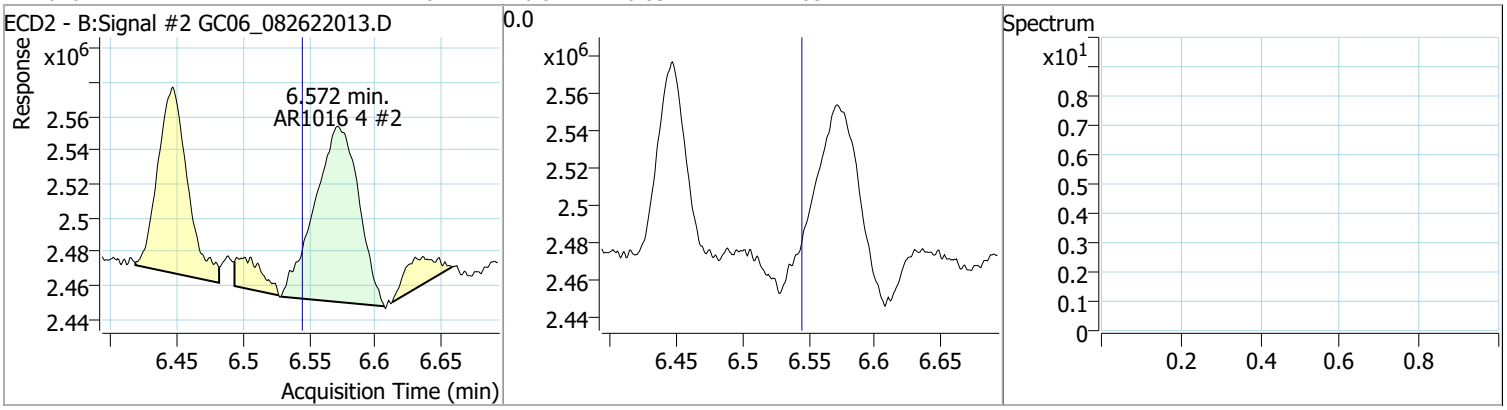
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	6.3088	6.42	0.02	32184				



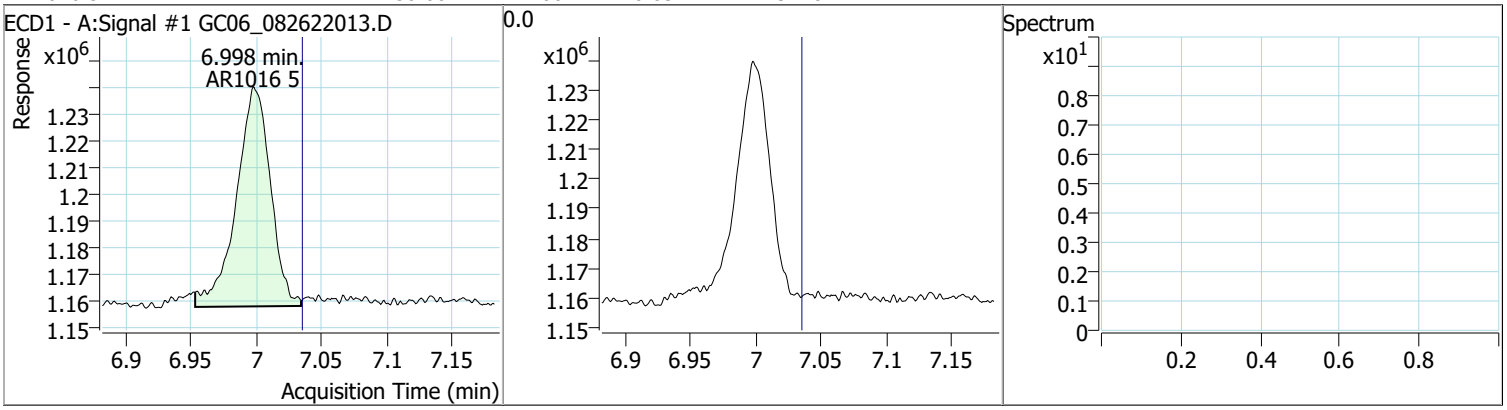
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	11.4336	6.54	0.01	43649				



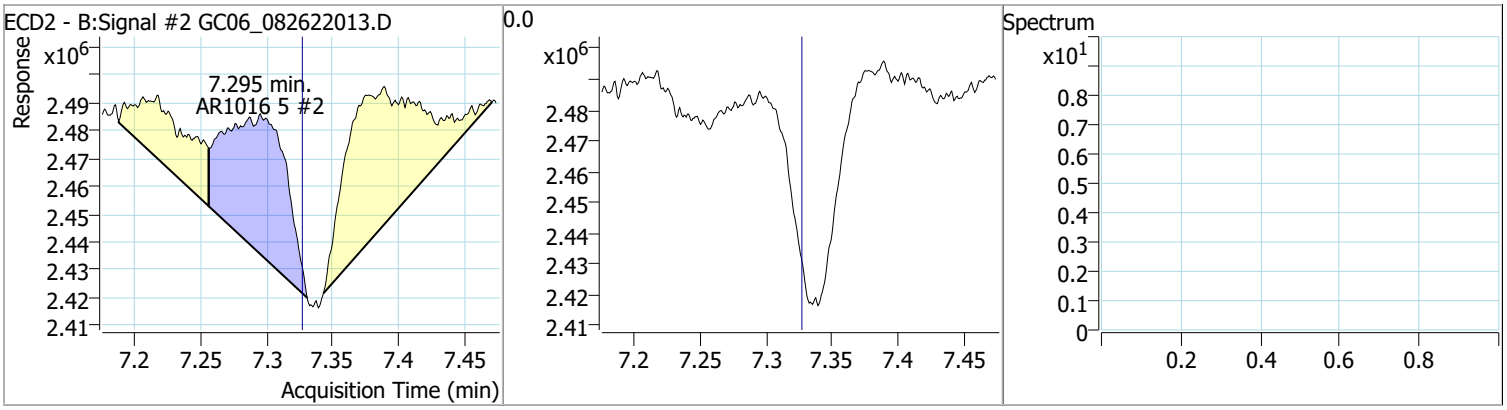
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	12.8724	6.57	0.03	241205				



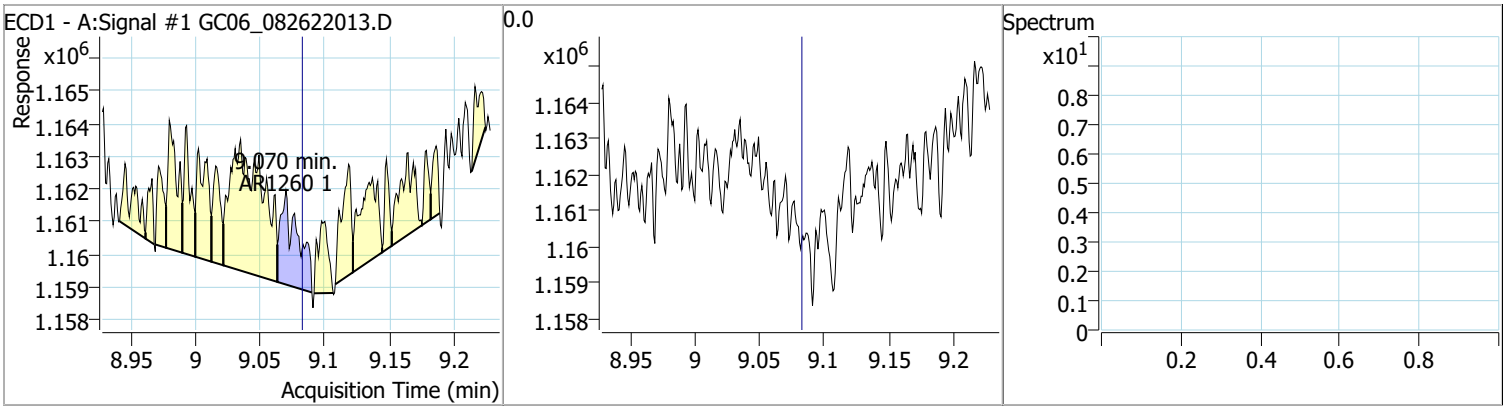
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	50.6072	7.00	-0.03	149448				



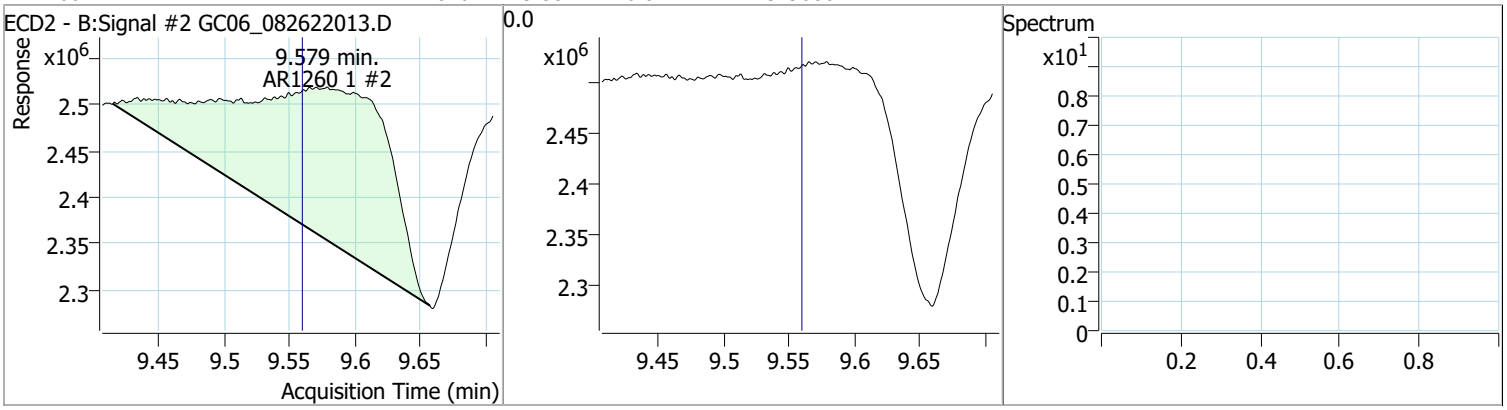
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	10.9573	7.30	-0.03	160523				



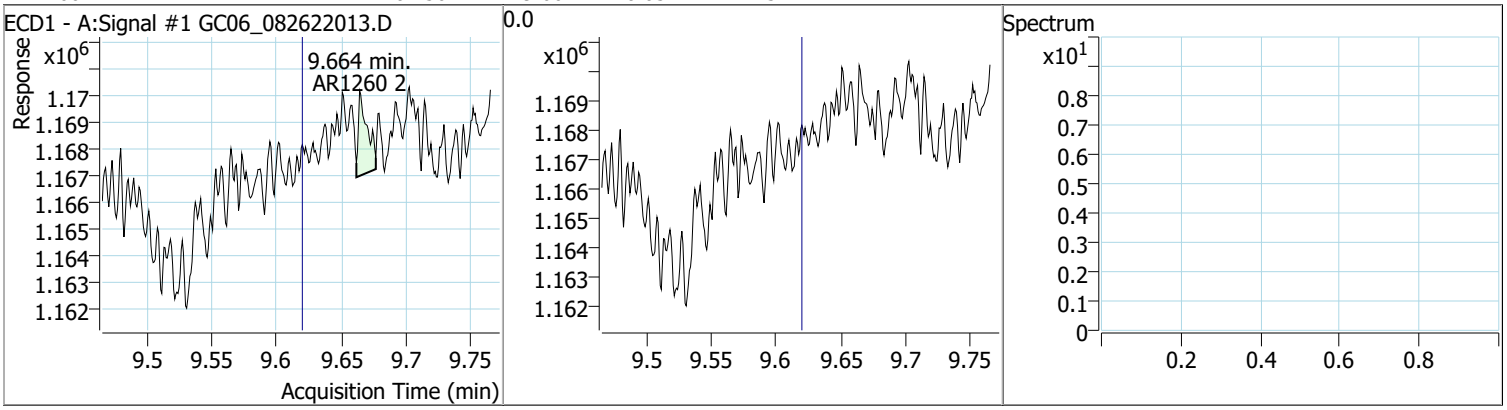
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	0.4209	9.07	0.00	2696				



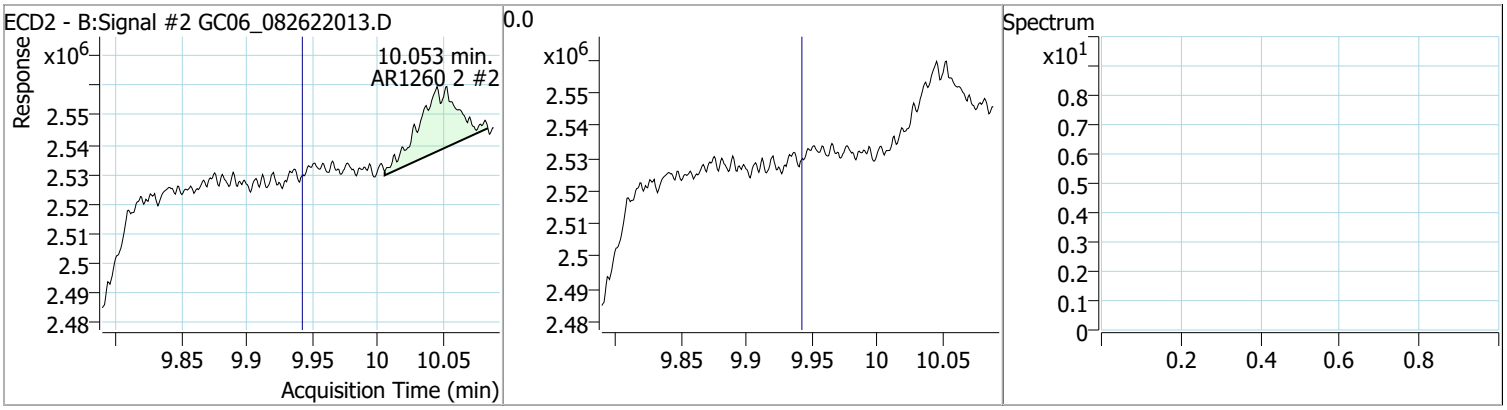
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	42.2826	9.58	0.02	1379086				



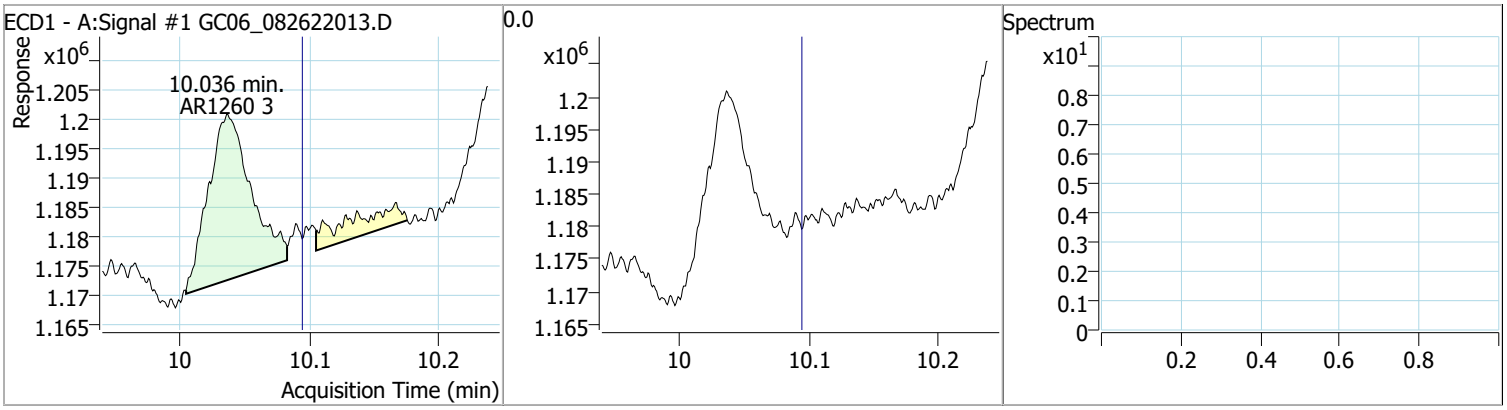
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.1562	9.66	0.05	1541				



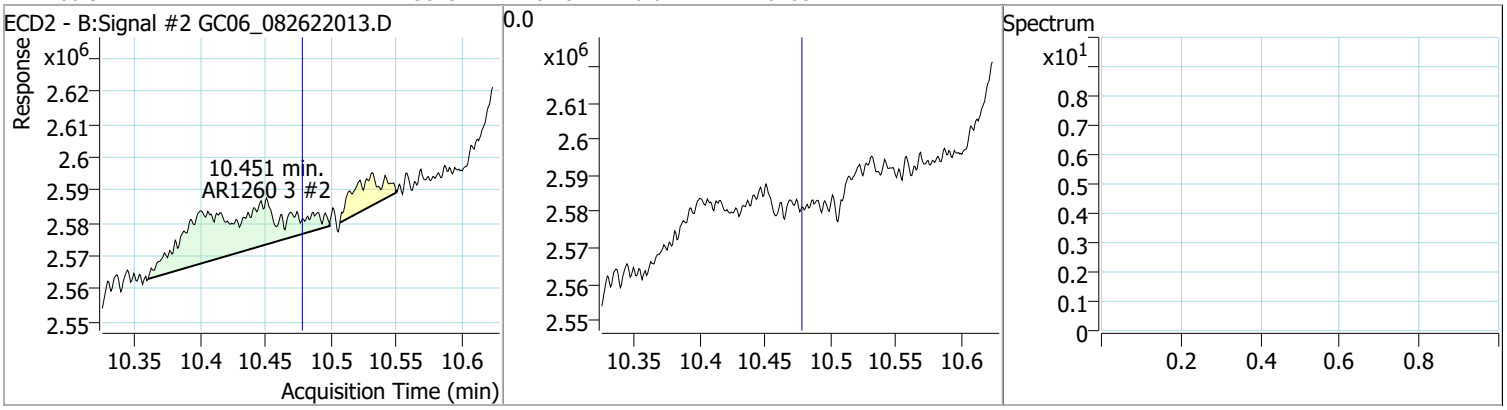
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1.1829	10.05	0.12	44578				



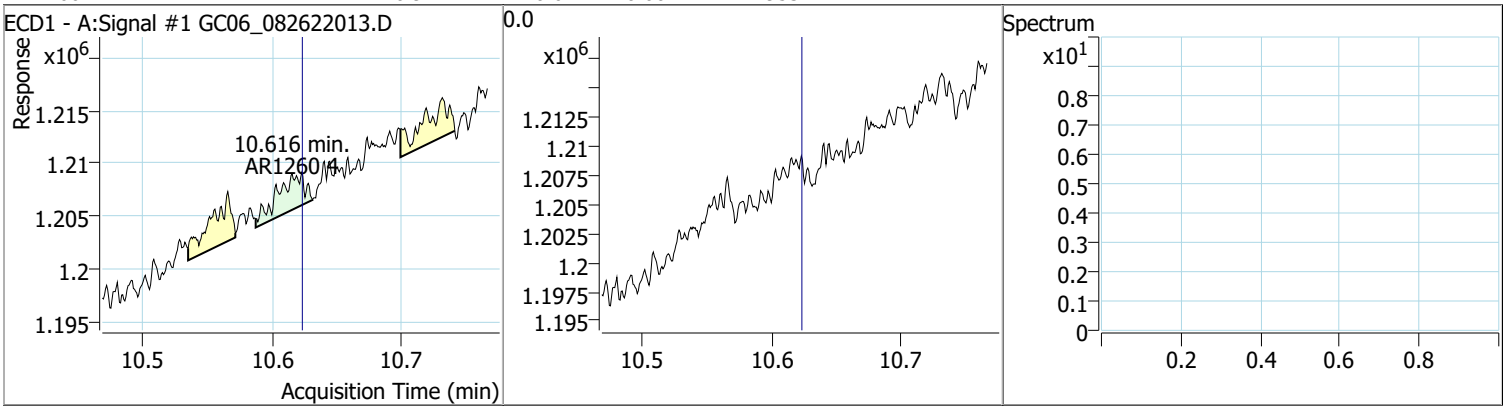
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	6.3388	10.04	-0.05	65006				



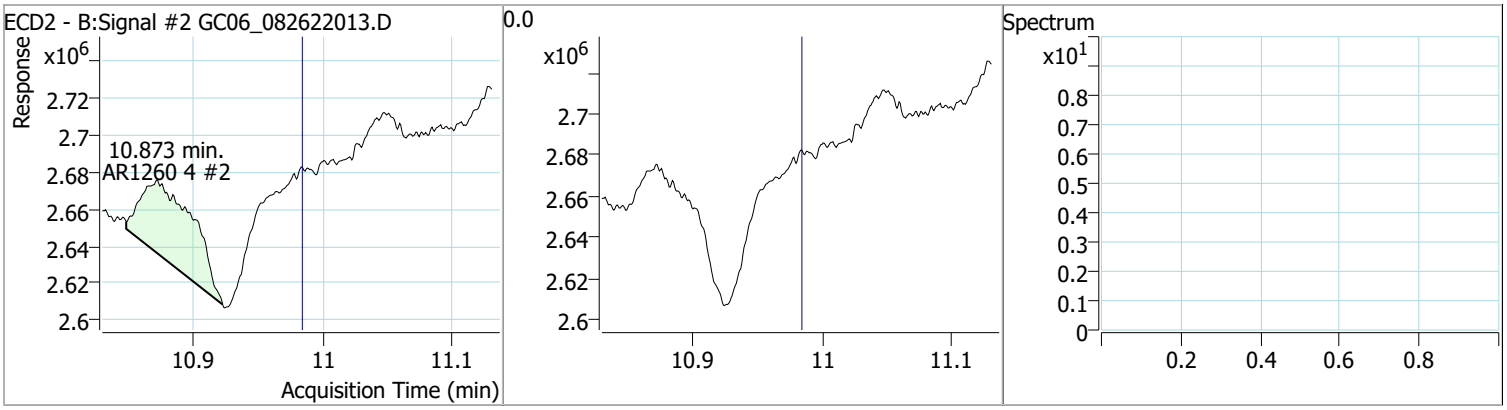
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1.3825	10.45	-0.02	70788				



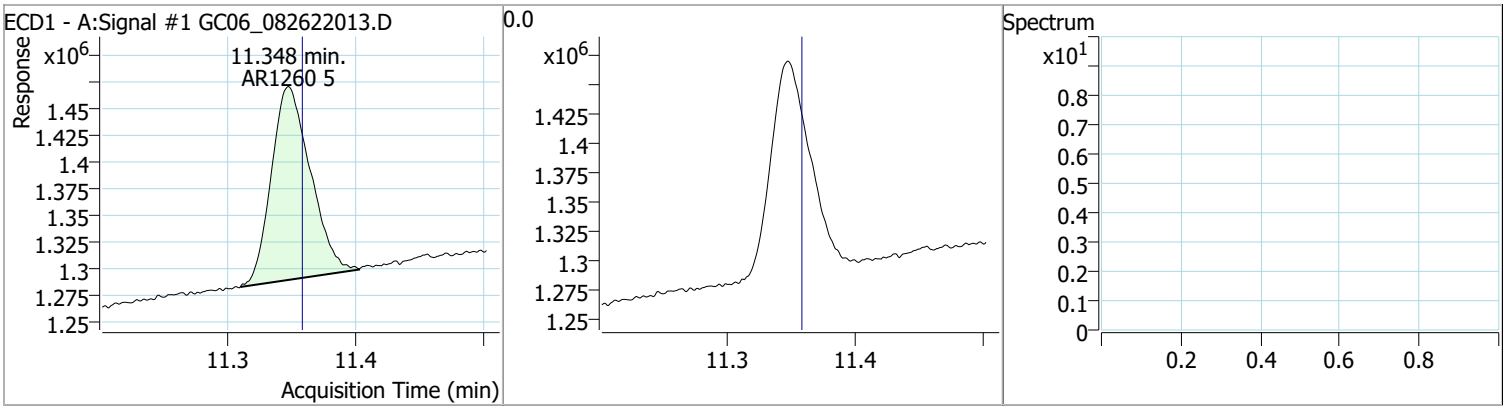
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	0.9711	10.62	0.00	4953				



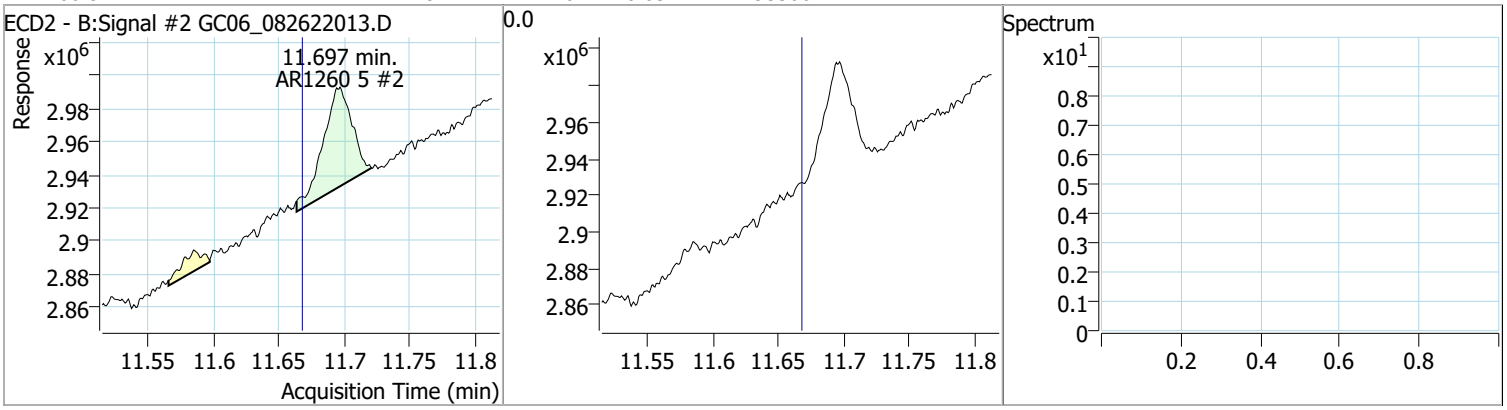
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	4.2524	10.87	-0.11	117818				



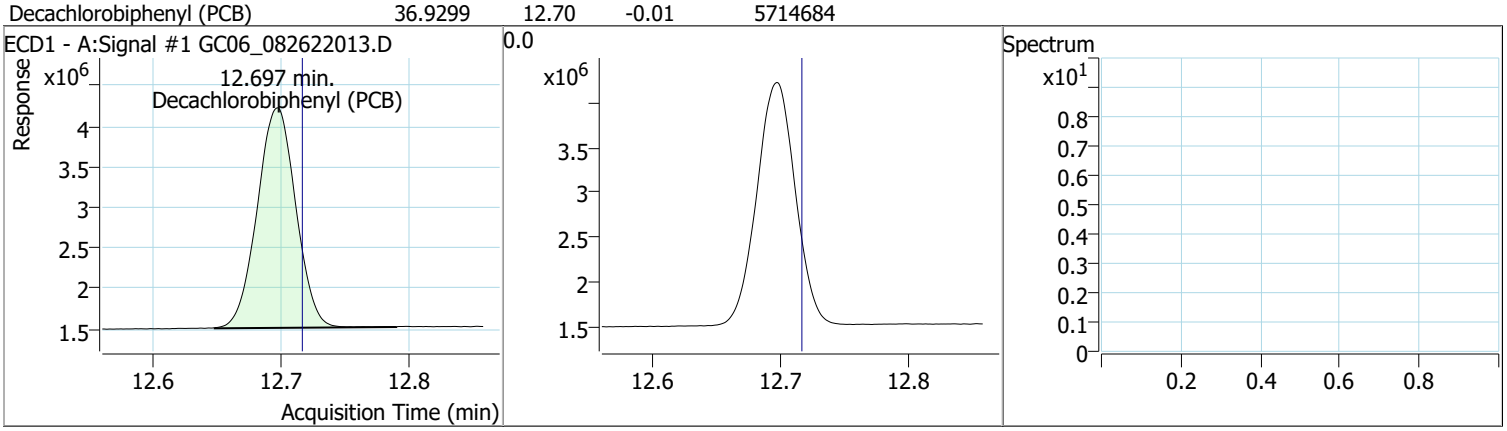
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	56.8347	11.35	0.00	383654				



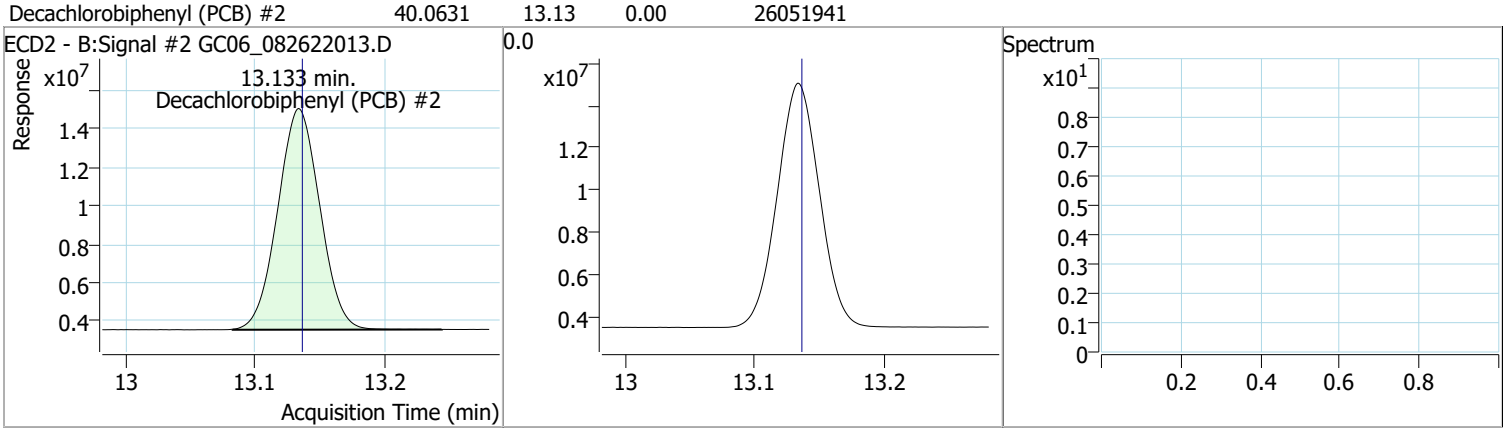
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	2.2842	11.70	0.03	93306				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	36.9299	12.70	-0.01	5714684				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	40.0631	13.13	0.00	26051941				



ENTHALPY SPIKE USER REPORT FOR 467771 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC06	Inst:	SVOA-GC06
Seqnum:	452343556014.1	Seqnum:	452343556015.1
File:	gc06_082622014	File:	gc06_082622015
IDF:	1.0	IDF:	1.0
Lab ID:	QC1008495	Lab ID:	QC1008496
Matrix:	Wipe	Matrix:	Wipe
Batch:	295632	Batch:	295632
Time:	26-AUG-2022 17:35	Time:	26-AUG-2022 17:52
Cal:	452150634002	Cal:	452150634002
Units:	ug/dm2		

- BS: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Aroclor-1016	5.000	509.5	5.095	A	102	569.0	5.690	A	114	60-140	11	20	u
Aroclor-1016 Peak # 1		538.6	5.386	A		607.5	6.075	A					
Aroclor-1016 Peak # 2		484.2	4.842	A		542.9	5.429	A					
Aroclor-1016 Peak # 3		498.6	4.986	A		562.6	5.626	A					
Aroclor-1016 Peak # 4		461.8	4.618	A		509.5	5.095	A					
Aroclor-1016 Peak # 5		564.3	5.643	A		622.7	6.227	A					
Aroclor-1260	5.000	564.8	5.648	A	113	616.1	6.161	A	123	60-140	9	20	u
Aroclor-1260 Peak # 1		558.8	5.588	A		608.5	6.085	A					
Aroclor-1260 Peak # 2		540.2	5.402	A		587.3	5.873	A					
Aroclor-1260 Peak # 3		541.4	5.414	A		588.0	5.880	A					
Aroclor-1260 Peak # 4		620.0	6.200	A		676.5	6.765	A					
Aroclor-1260 Peak # 5		563.6	5.636	A		620.2	6.202	A					
Surrogates													
TCMX (PCB)	0.5000	41.28	0.4128	A	83	48.65	0.4865	A	97	52-186			c+ u
Decachlorobiphenyl (PCB)	0.5000	39.59	0.3959	A	79	43.82	0.4382	A	88	60-140			u

ISTD (CCV gc06_082622002)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8218495	9631063	17.19
1-bromo-2-nitrobenzene (PCB)	A	1919479	1765534	-8.02

ISTD (CCV gc06_082622002)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.13	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

ISTD (CCV gc06_082622002)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8218495	8789073	6.94
1-bromo-2-nitrobenzene (PCB)	A	1919479	1599891	-16.65

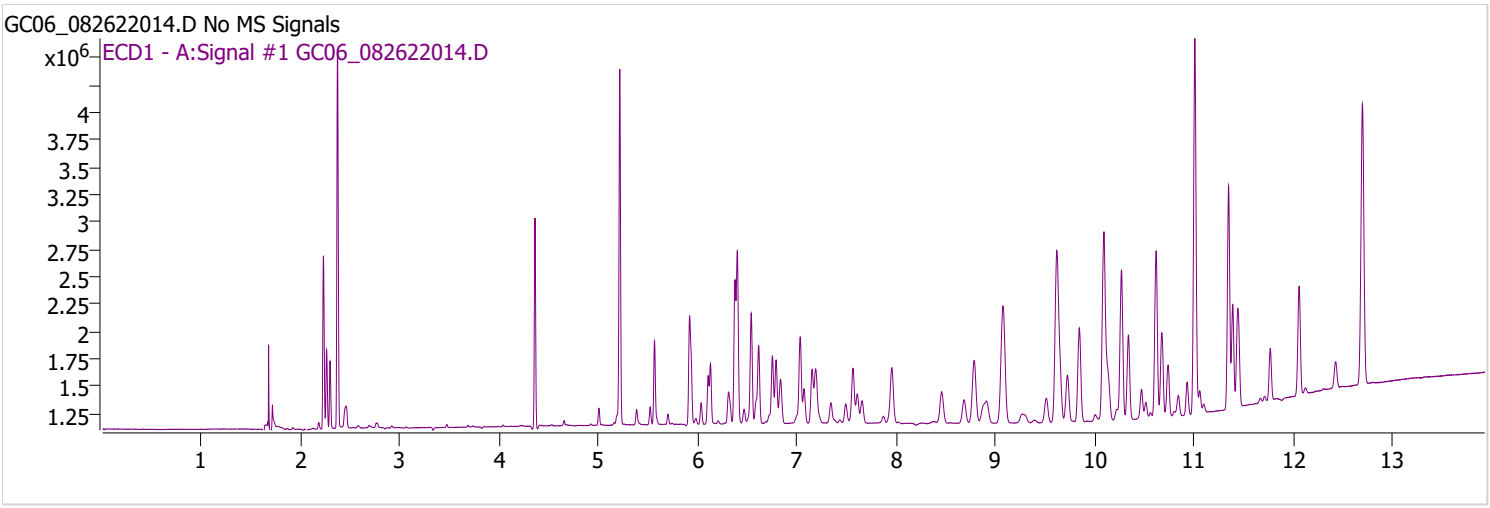
ISTD (CCV gc06_082622002)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.13	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.36	4.36	0.00

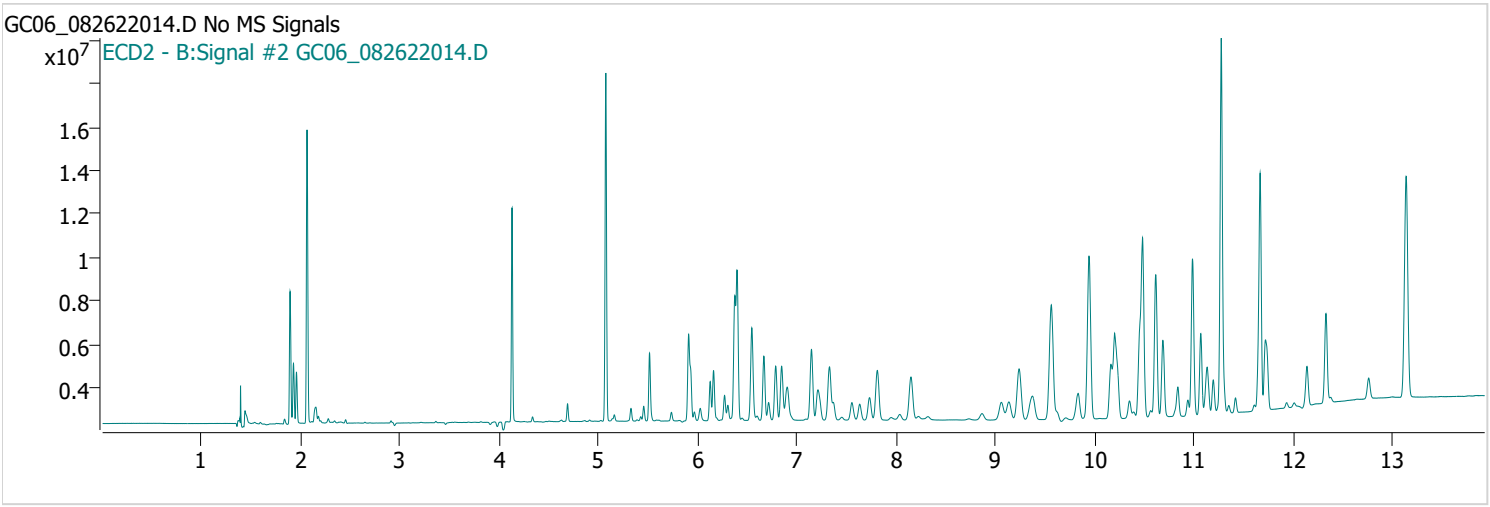
Analyst: TRN 08/30/22

Reviewer: SLL 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622014.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/26/2022 5:35:08 PM
Sample Name	QC1008495, 295632, 1	Instrument	SVOA-GC06
Vial	4	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



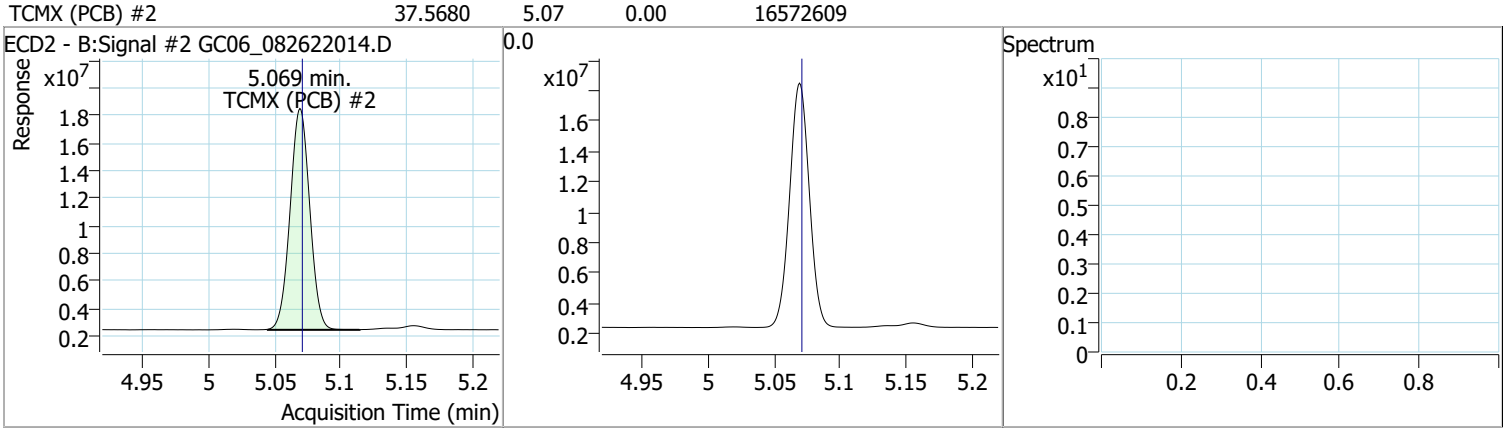


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.125	0.0	9631063.152	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.356	0.0	1765533.699	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB) #2	5.069	0.0	16572609.397	37.5680	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.84%		*	
S TCMX (PCB)	5.210	0.0	3504580.148	41.2678	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 206.34%		*	
S Decachlorobiphenyl (PCB)	12.692	0.0	5312976.198	39.5779	ng/ml		-0.014
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 197.89%		*	
S Decachlorobiphenyl (PCB) #2	13.132	0.0	24087905.970	41.4481	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 207.24%		*	
Target Compounds							QValue

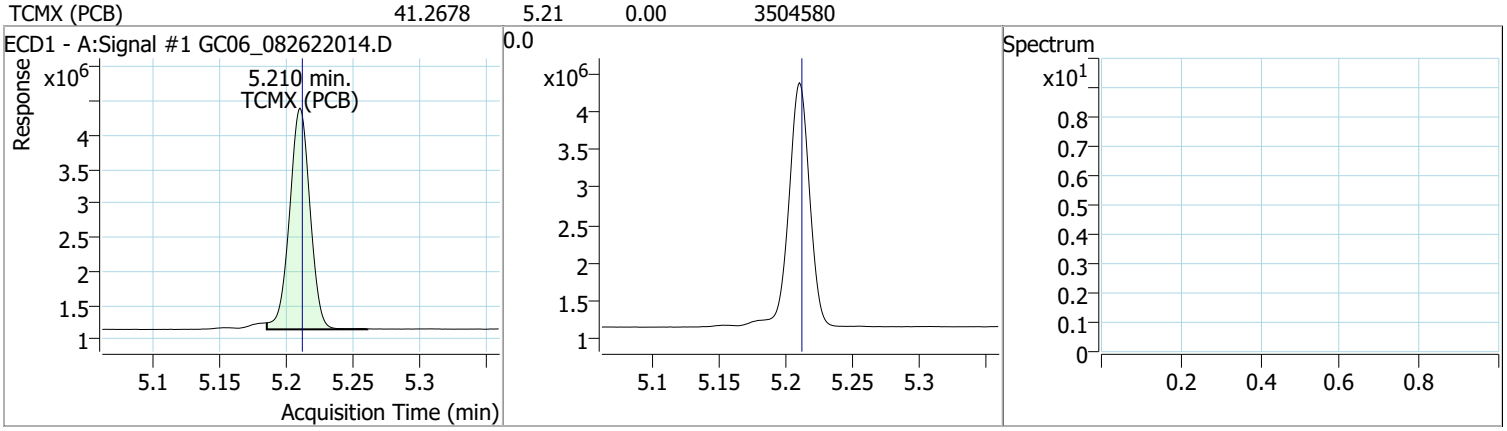
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.510	0.0	3869584.295	429.0387	ng/ml	100
T AR1016 1	5.560	0.0	929923.463	538.4610	ng/ml	100
T AR1016 2 #2	5.904	0.0	8080851.288	431.7368	ng/ml	100
T AR1016 2	5.913	0.0	1820497.686	484.1328	ng/ml	100
T AR1016 3 #2	6.391	0.0	18214273.353	737.8952	ng/ml	100
T AR1016 3	6.394	0.0	2206021.922	498.4762	ng/ml	100
T AR1016 4	6.534	0.0	1528983.389	461.6779	ng/ml	100
T AR1016 4 #2	6.540	0.0	7417663.176	442.9372	ng/ml	100
T AR1016 5	7.028	0.0	1445345.082	564.1860	ng/ml	100
T AR1016 5 #2	7.323	0.0	6870461.744	524.7490	ng/ml	100
T AR1260 1	9.070	0.0	3104121.667	558.6772	ng/ml	100
T AR1260 1 #2	9.558	0.0	15479625.352	531.0463	ng/ml	100
T AR1260 2	9.613	0.0	4621590.742	540.0415	ng/ml	100
T AR1260 2 #2	9.937	0.0	17321625.376	514.2831	ng/ml	100
T AR1260 3	10.088	0.0	4815126.341	541.2412	ng/ml	100
T AR1260 3 #2	10.477	0.0	22290490.139	487.1206	ng/ml	100
T AR1260 4	10.613	0.0	2742550.812	619.8571	ng/ml	100
T AR1260 4 #2	10.980	0.0	12991874.333	524.6834	ng/ml	100
T AR1260 5	11.343	0.0	3299314.236	563.4124	ng/ml	100
T AR1260 5 #2	11.661	0.0	19613140.163	537.2508	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

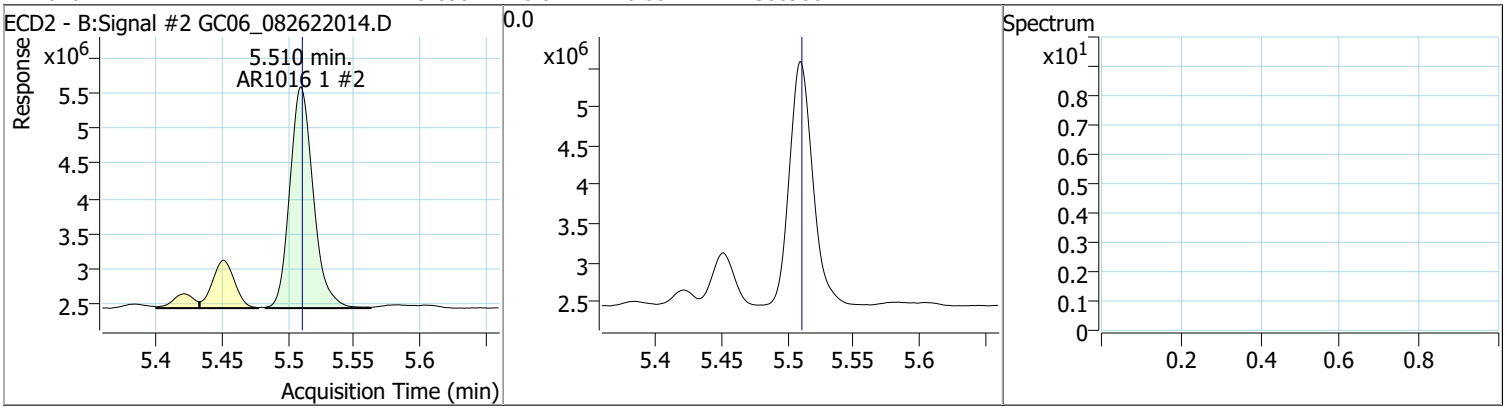
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.5680	5.07	0.00	16572609				



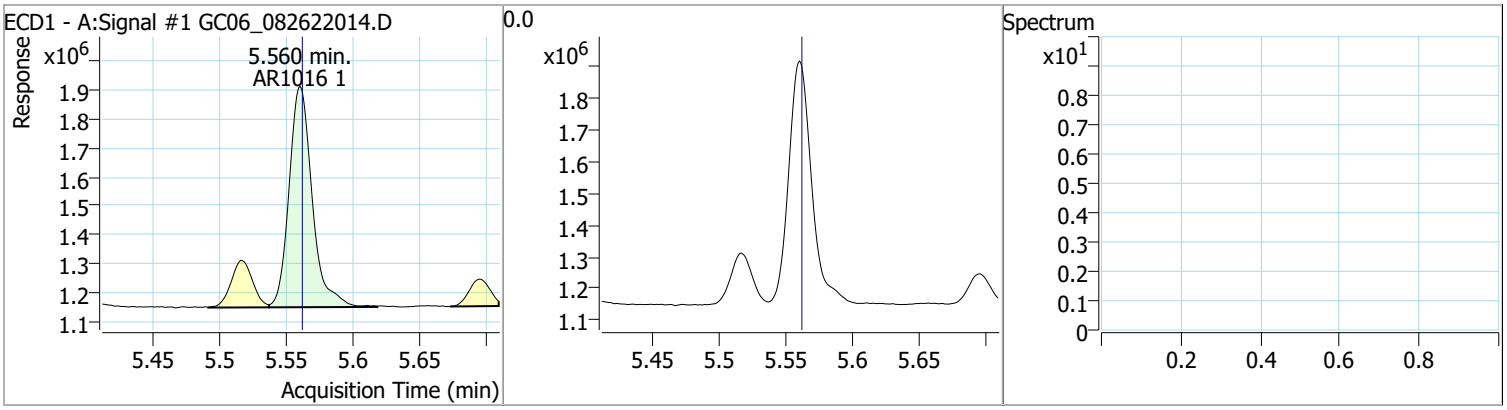
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	41.2678	5.21	0.00	3504580				



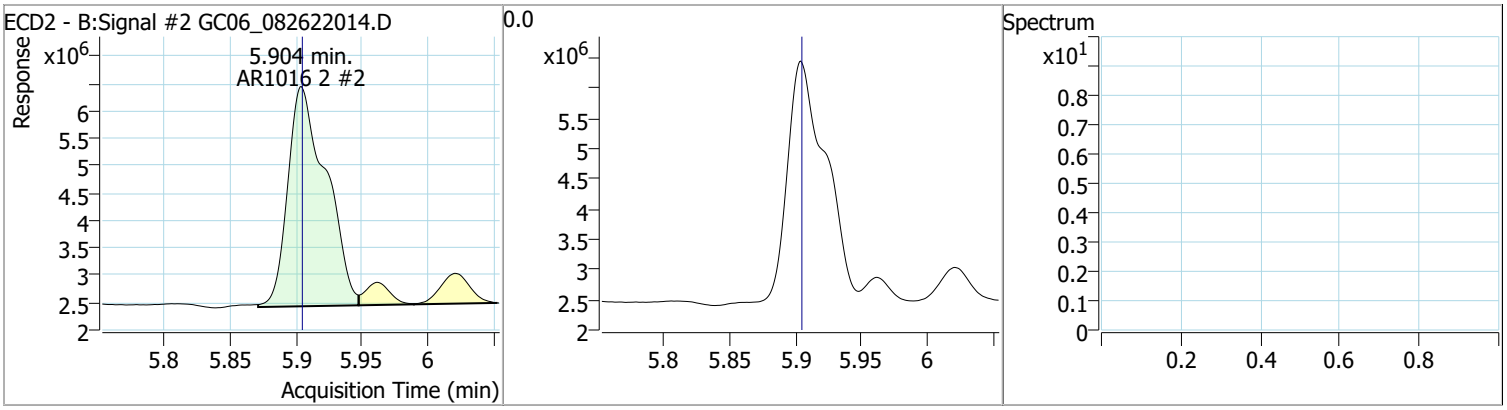
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	429.0387	5.51	0.00	3869584				



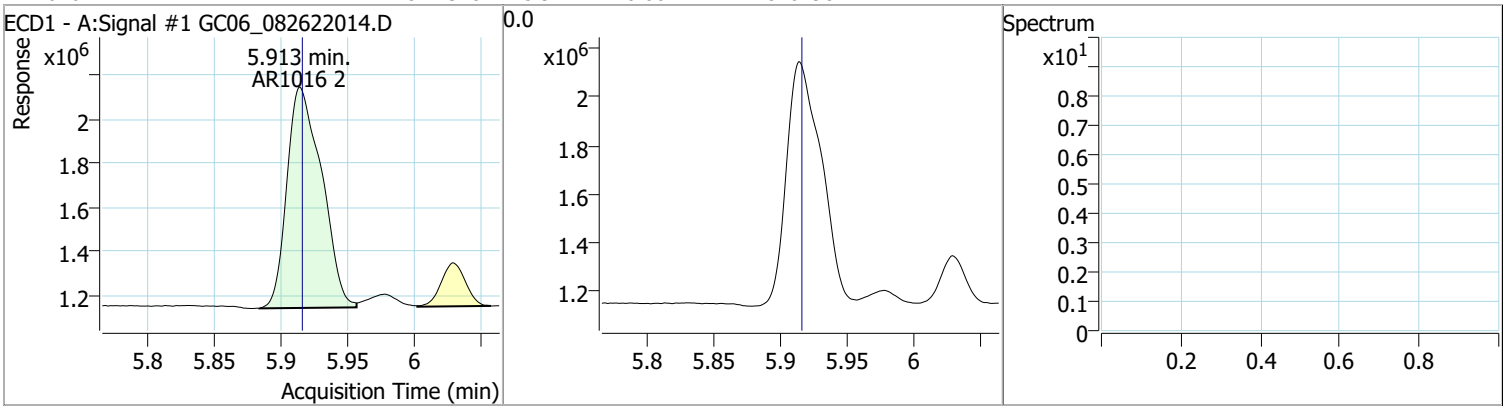
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	538.4610	5.56	0.00	929923				



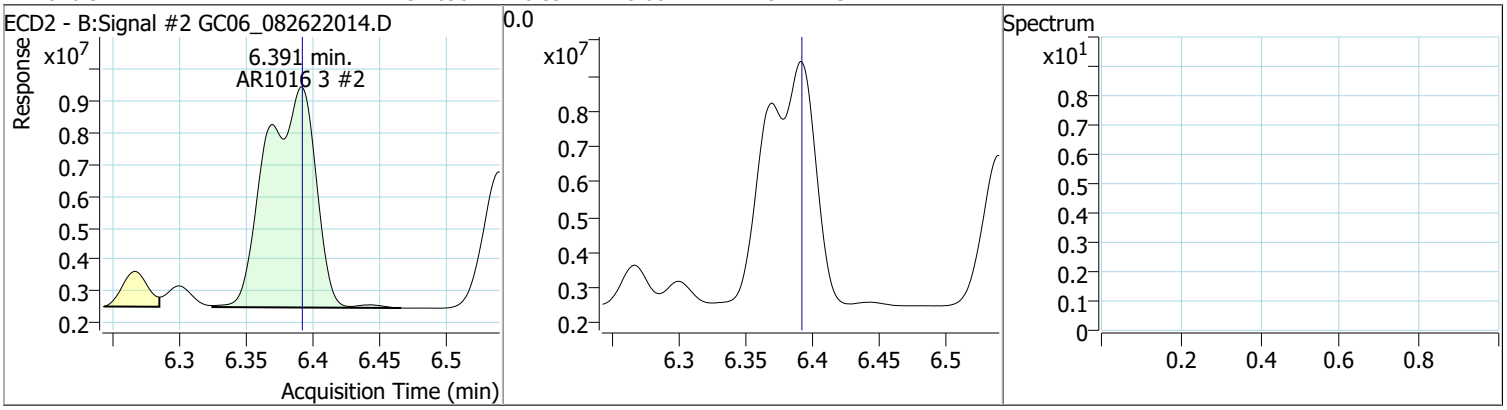
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	431.7368	5.90	0.00	8080851				



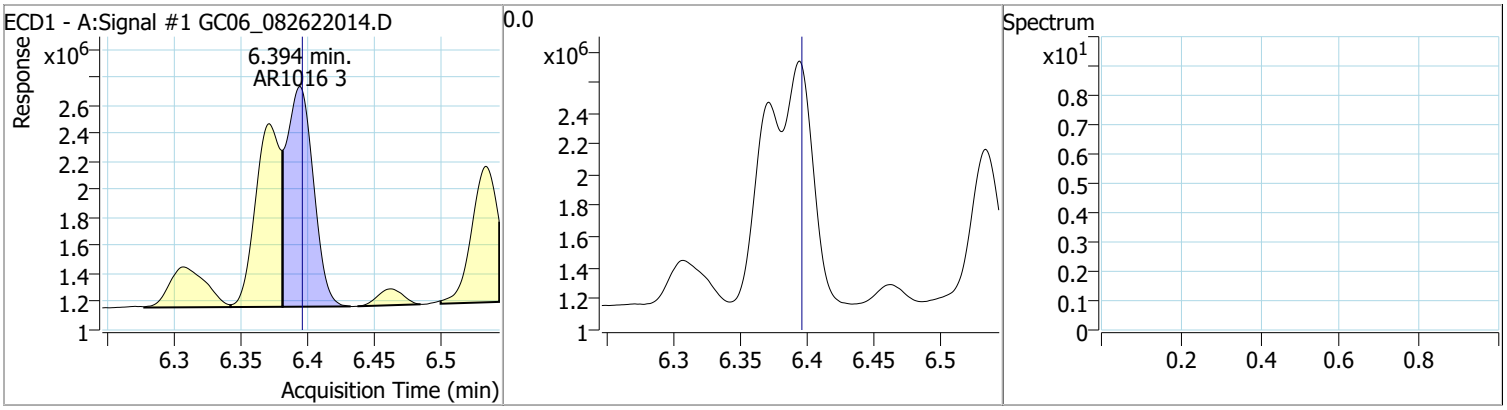
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	484.1328	5.91	0.00	1820498				



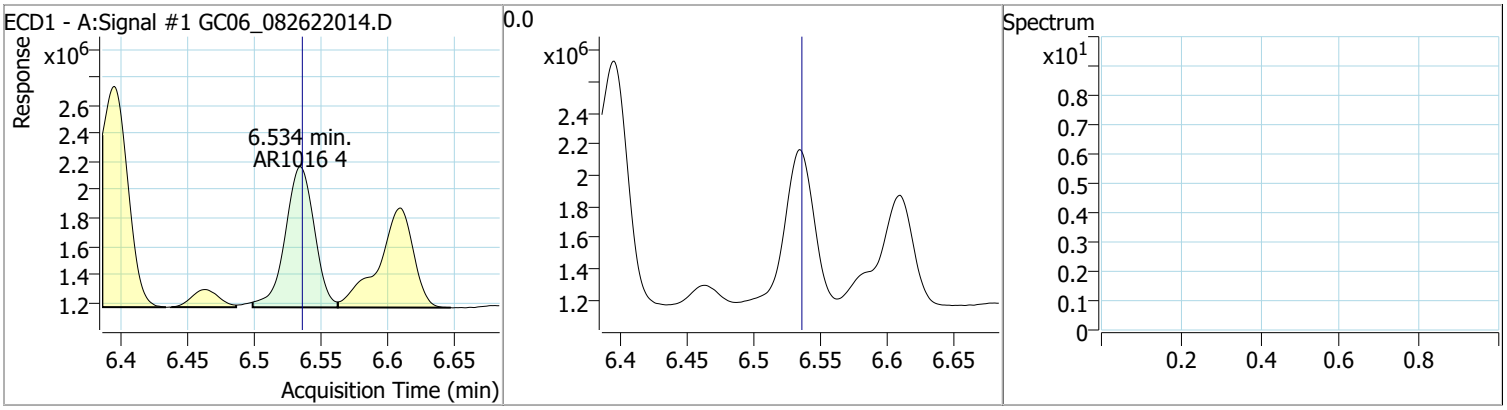
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	737.8952	6.39	0.00	18214273				



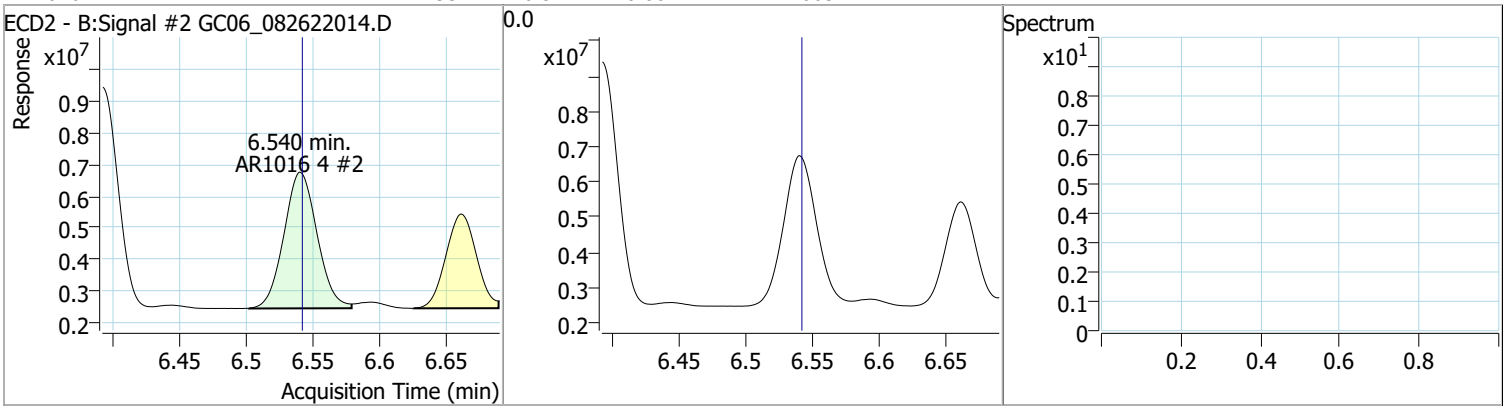
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	498.4762	6.39	0.00	2206022				



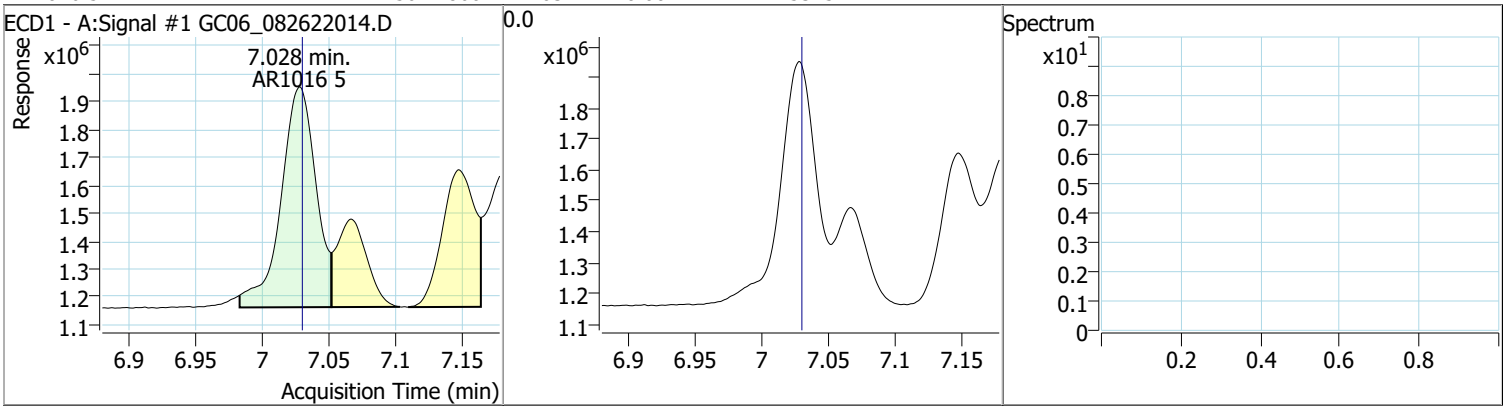
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	461.6779	6.53	0.00	1528983				



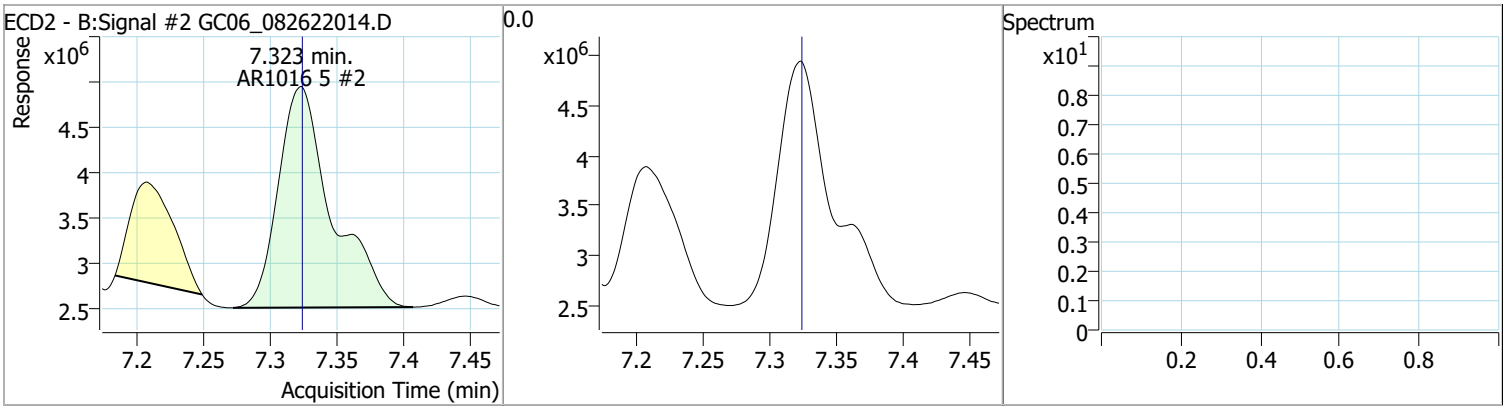
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	442.9372	6.54	0.00	7417663				



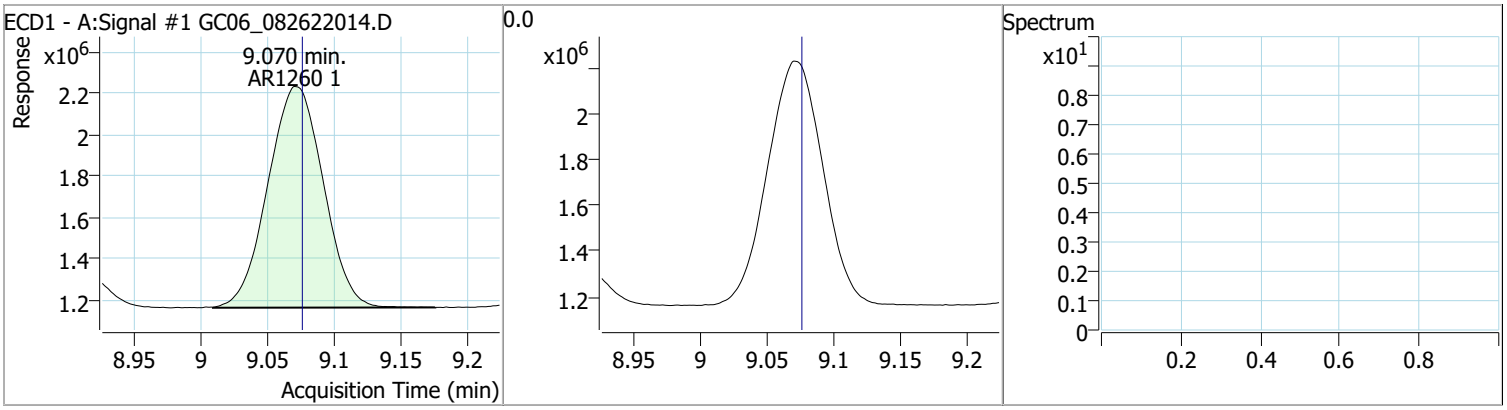
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	564.1860	7.03	0.00	1445345				



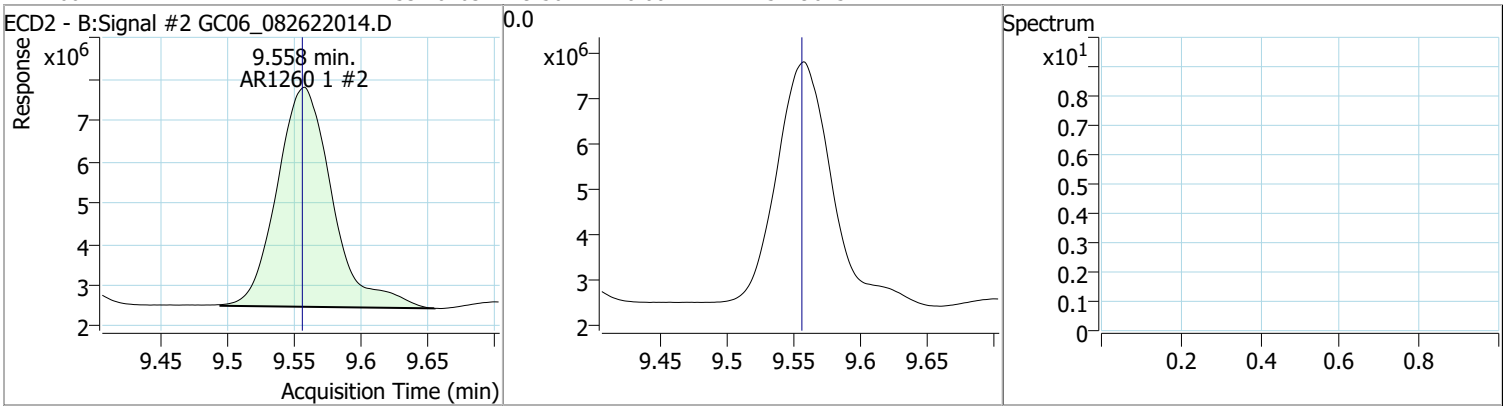
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	524.7490	7.32	0.00	6870462				



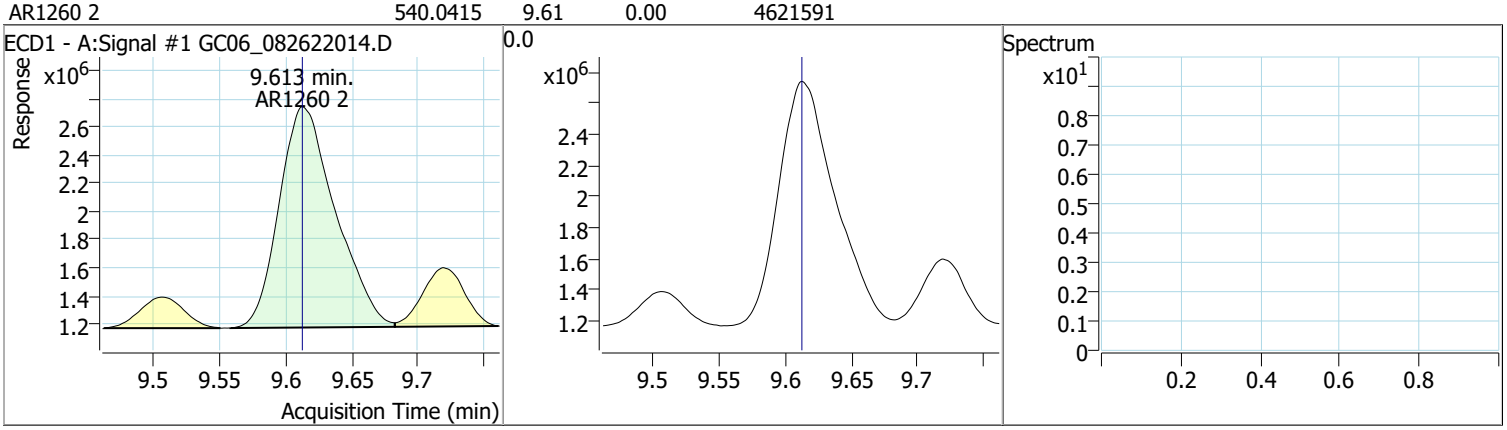
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	558.6772	9.07	0.00	3104122				



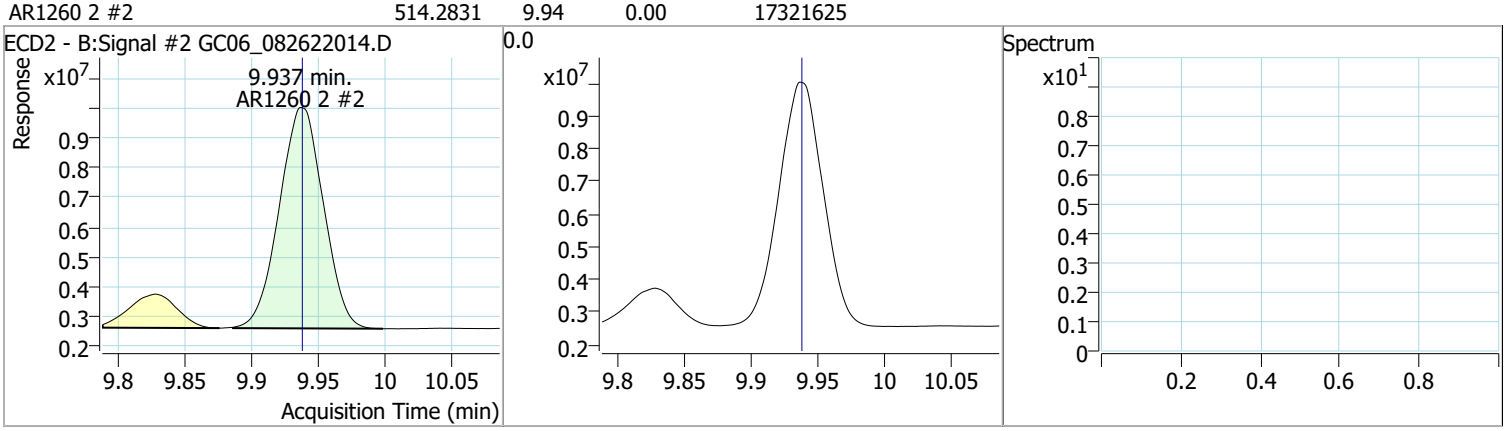
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	531.0463	9.56	0.00	15479625				



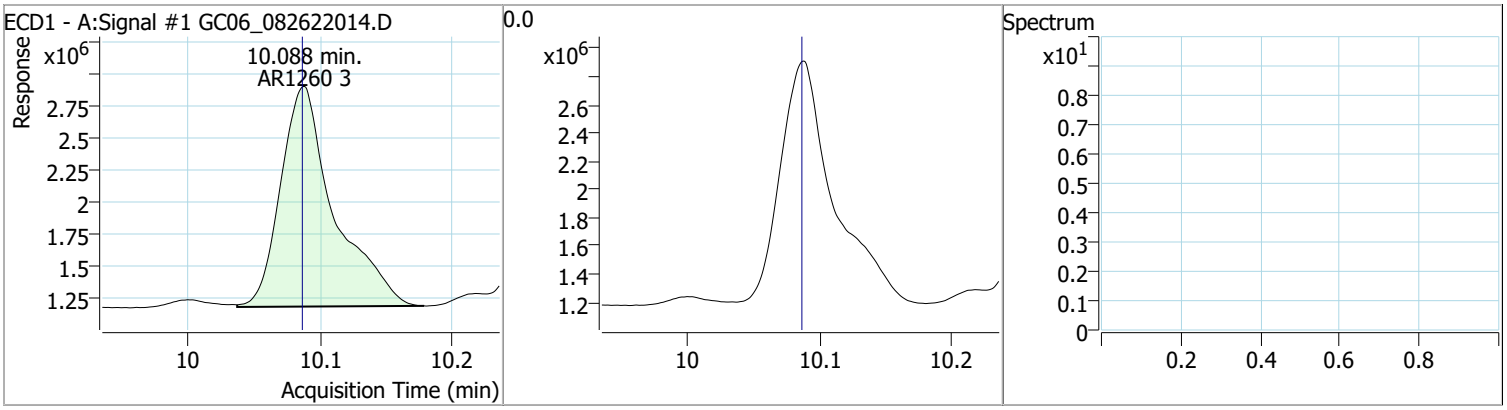
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	540.0415	9.61	0.00	4621591				



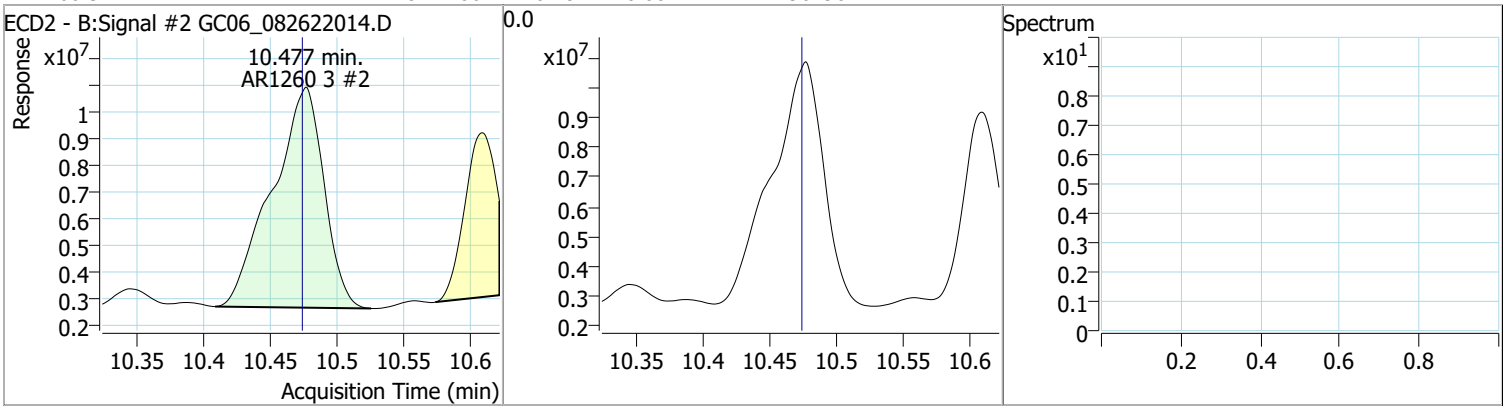
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	514.2831	9.94	0.00	17321625				



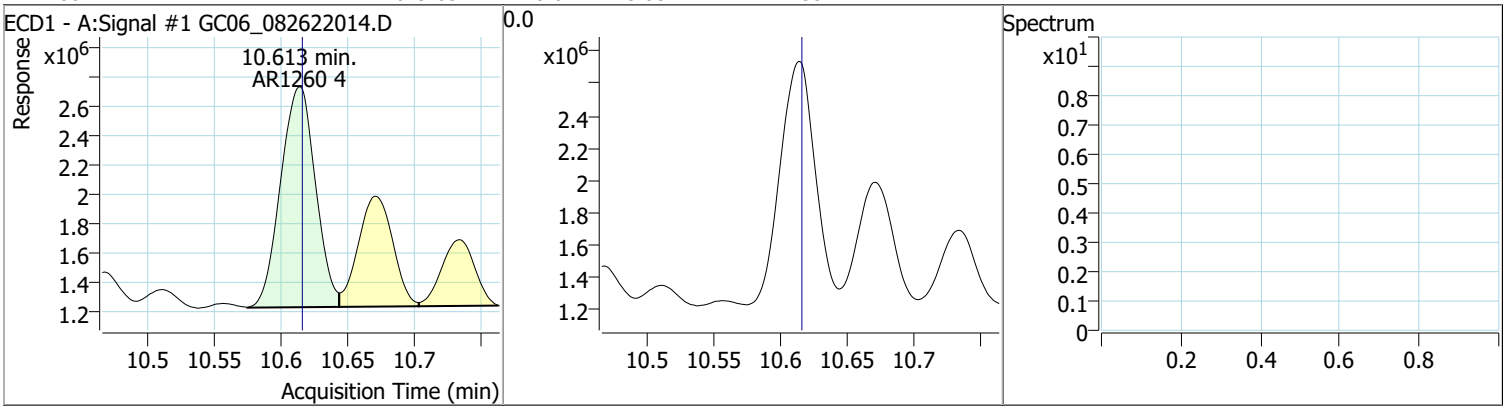
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	541.2412	10.09	0.00	4815126				



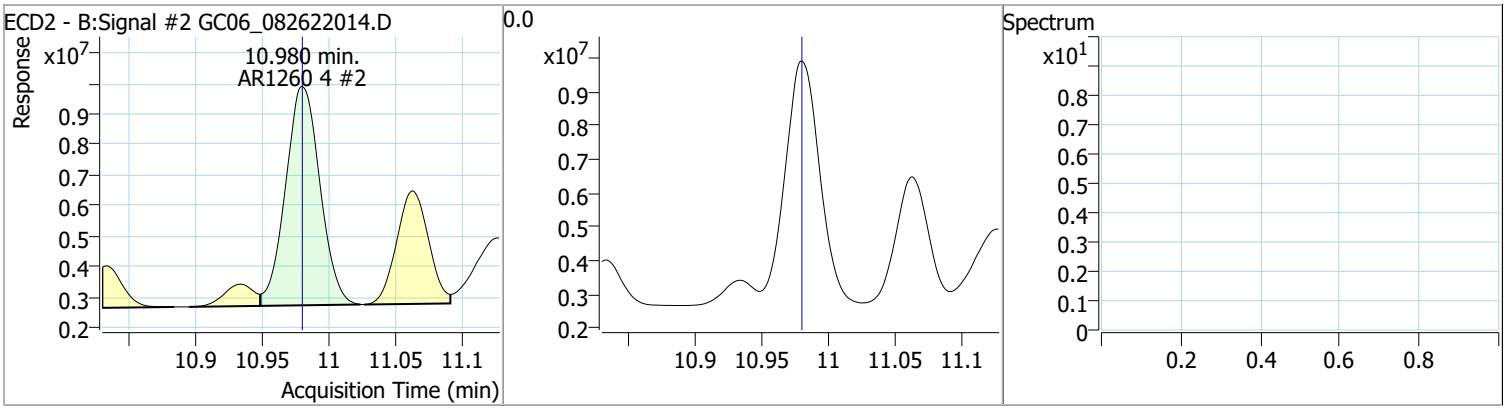
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	487.1206	10.48	0.00	22290490				



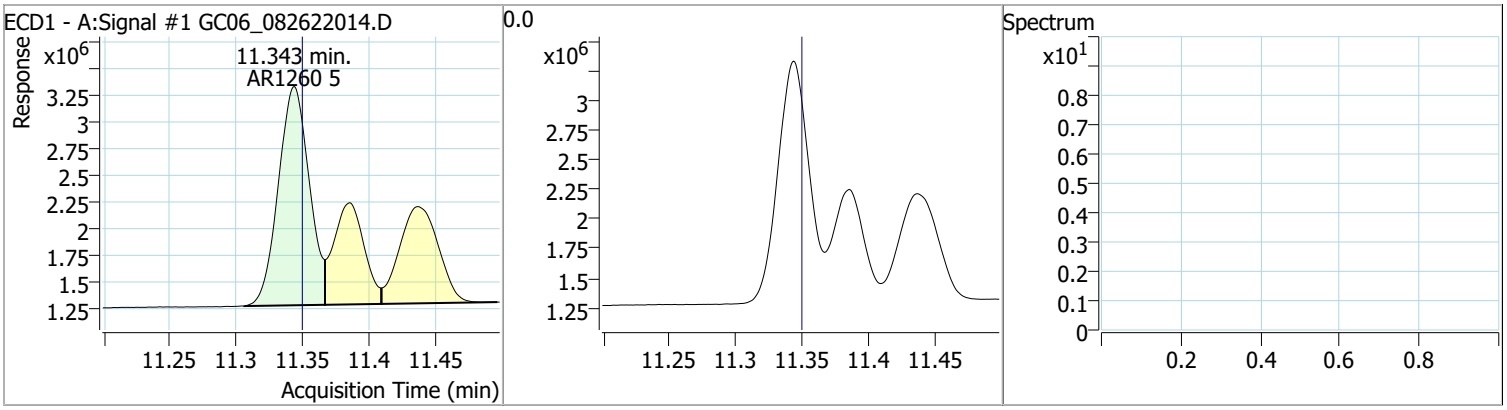
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	619.8571	10.61	0.00	2742551				



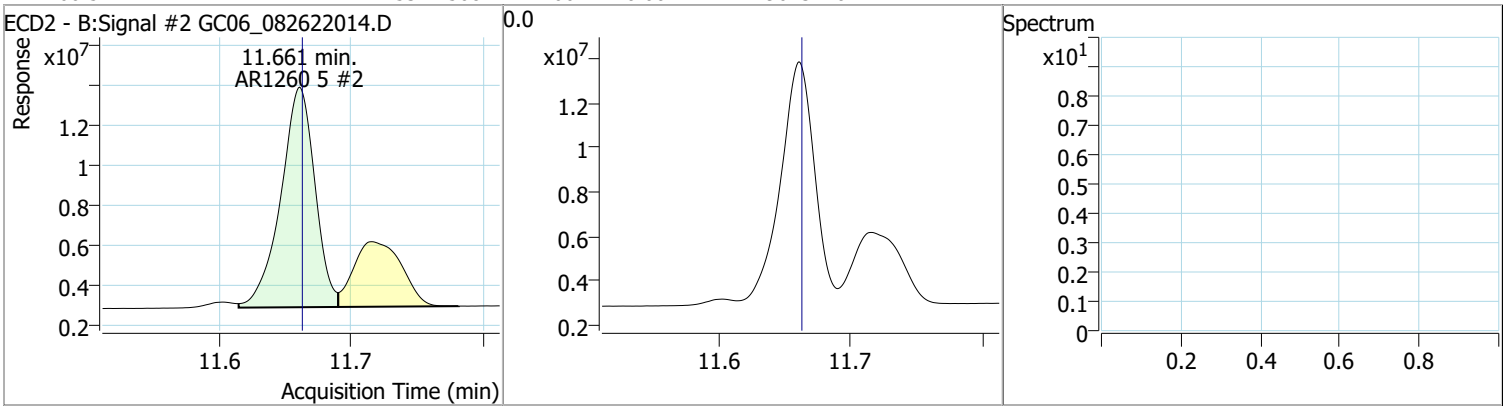
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	524.6834	10.98	0.00	12991874				



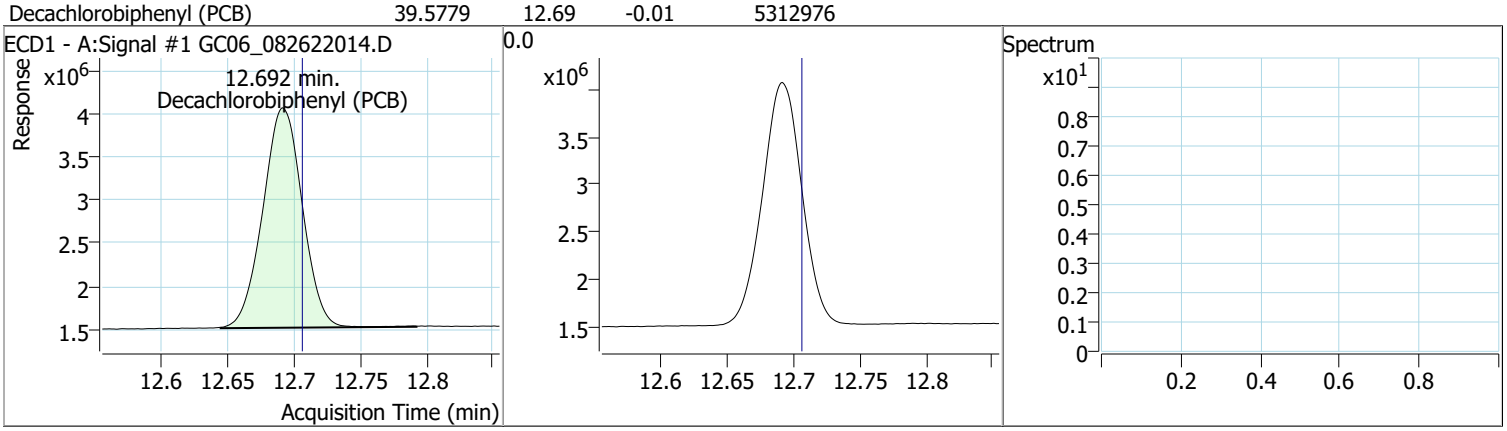
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	563.4124	11.34	-0.01	3299314				



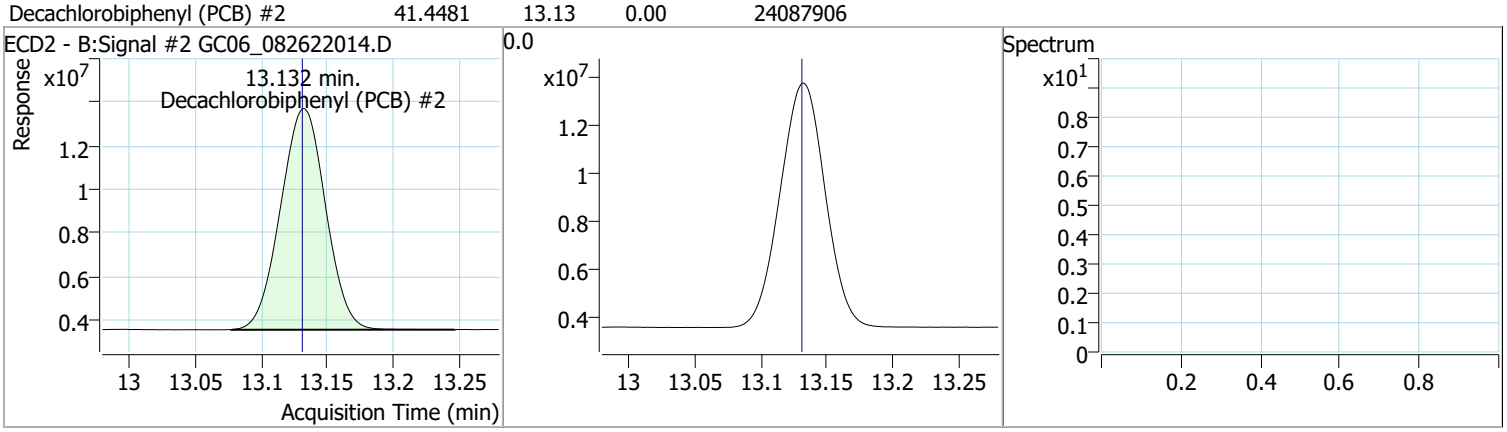
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	537.2508	11.66	0.00	19613140				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	39.5779	12.69	-0.01	5312976				

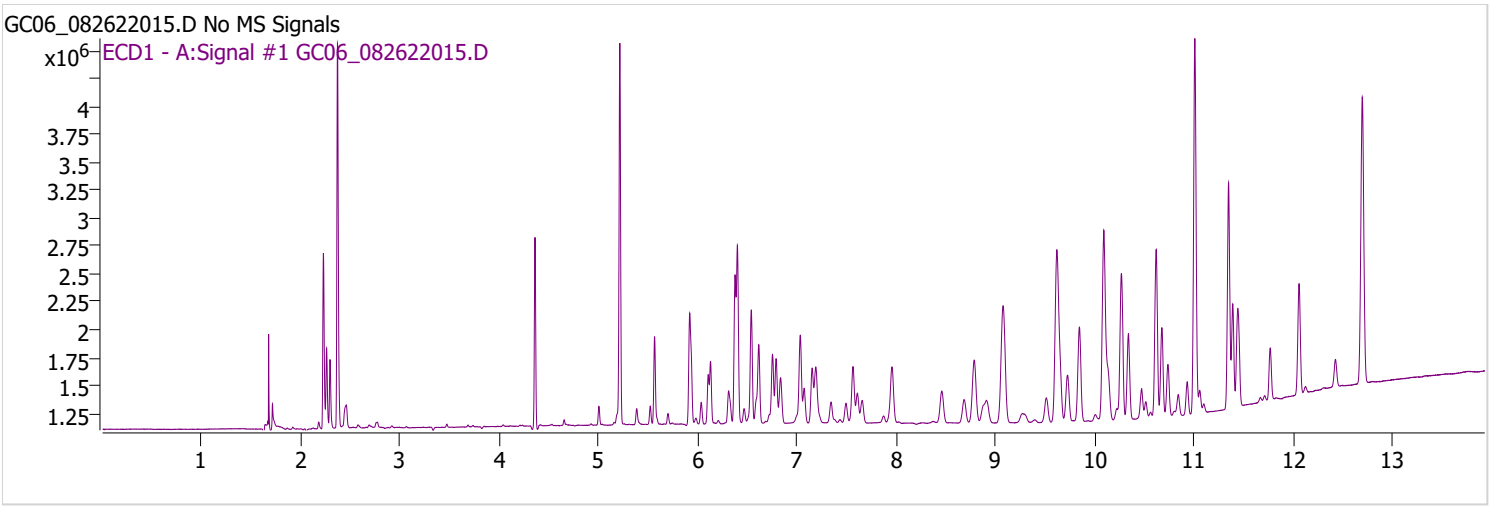


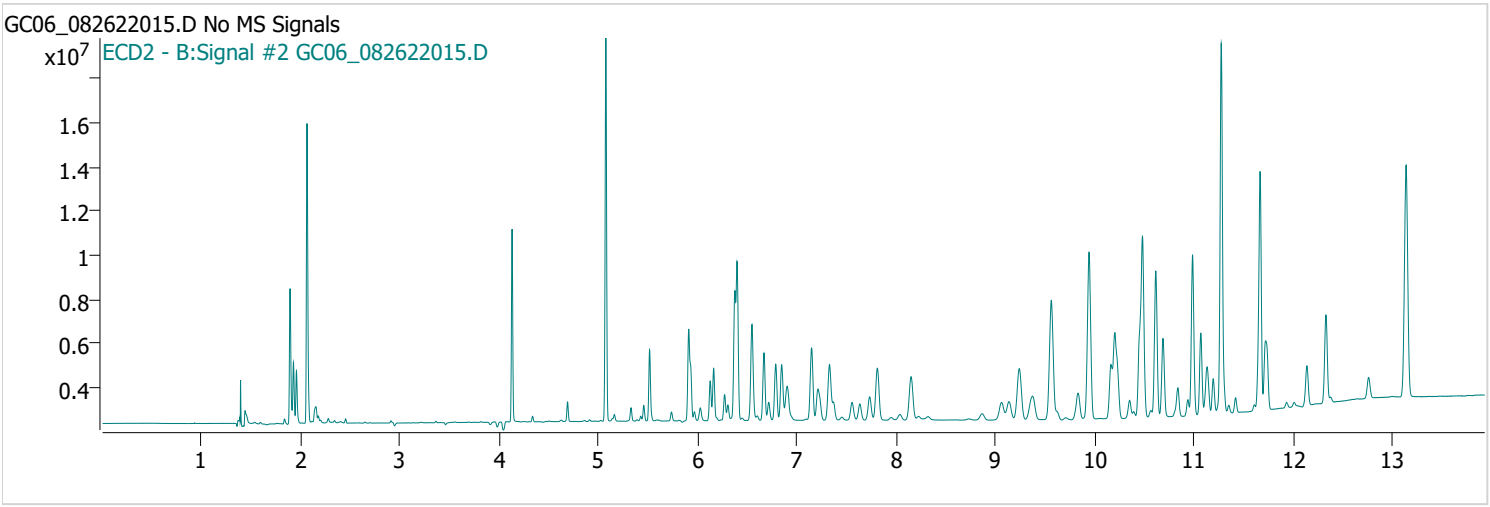
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	41.4481	13.13	0.00	24087906				



Quantitation Results Report (Not Reviewed)

Data File	GC06_082622015.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/26/2022 5:52:34 PM
Sample Name	QC1008496, 295632, 1	Instrument	SVOA-GC06
Vial	5	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



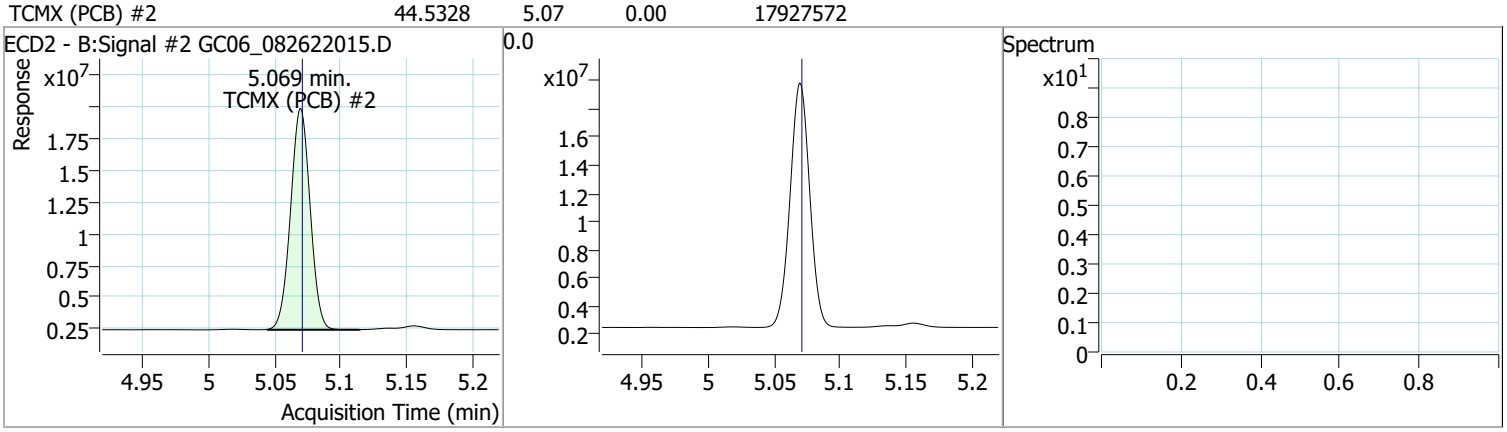


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.125	0.0	8789072.546	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.356	0.0	1599891.303	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB) #2	5.069	0.0	17927572.452	44.5328	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 222.66%		*	
S TCMX (PCB)	5.210	0.0	3743226.316	48.6415	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 243.21%		*	
S Decachlorobiphenyl (PCB)	12.689	0.0	5329331.341	43.8099	ng/ml		-0.017
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 219.05%		*	
S Decachlorobiphenyl (PCB) #2	13.131	0.0	24399310.285	46.0060	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 230.03%		*	
Target Compounds							QValue

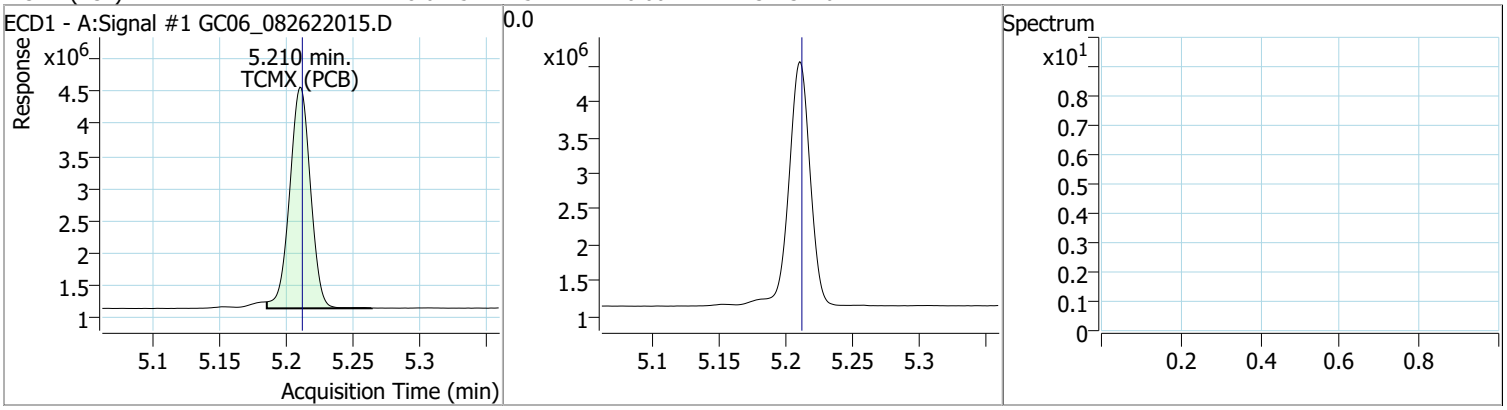
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.510	0.0	3981761.142	483.7696	ng/ml	100
T AR1016 1	5.560	0.0	950438.945	607.3189	ng/ml	100
T AR1016 2 #2	5.904	0.0	8286663.394	485.1464	ng/ml	100
T AR1016 2	5.914	0.0	1849479.153	542.7619	ng/ml	100
T AR1016 3 #2	6.391	0.0	10920221.937	484.7809	ng/ml	100
T AR1016 3	6.394	0.0	2255686.796	562.4694	ng/ml	100
T AR1016 4	6.534	0.0	1528578.074	509.3420	ng/ml	100
T AR1016 4 #2	6.542	0.0	7584949.890	496.3168	ng/ml	100
T AR1016 5	7.028	0.0	1445276.491	622.5686	ng/ml	100
T AR1016 5 #2	7.323	0.0	6916607.736	578.8820	ng/ml	100
T AR1260 1	9.072	0.0	3063010.154	608.3538	ng/ml	100
T AR1260 1 #2	9.557	0.0	15160353.573	569.9181	ng/ml	100
T AR1260 2	9.613	0.0	4553560.054	587.1813	ng/ml	100
T AR1260 2 #2	9.937	0.0	17193819.607	559.3932	ng/ml	100
T AR1260 3	10.086	0.0	4739340.839	587.8773	ng/ml	100
T AR1260 3 #2	10.475	0.0	22181533.135	531.1774	ng/ml	100
T AR1260 4	10.613	0.0	2711785.162	676.3597	ng/ml	100
T AR1260 4 #2	10.980	0.0	12927887.954	572.1163	ng/ml	100
T AR1260 5	11.343	0.0	3290066.240	620.0017	ng/ml	100
T AR1260 5 #2	11.660	0.0	19617131.469	588.8391	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

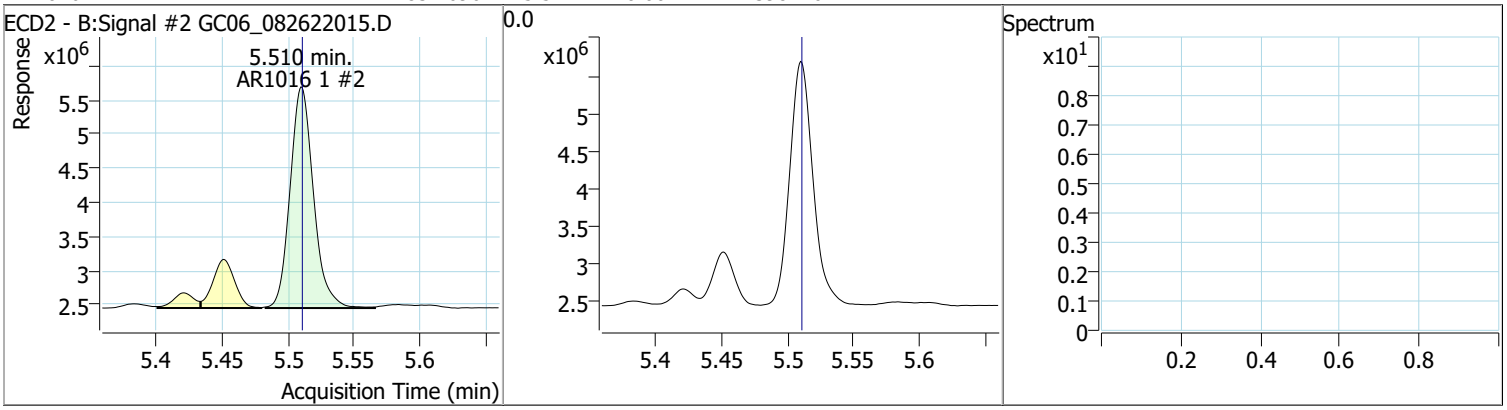
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	44.5328	5.07	0.00	17927572				



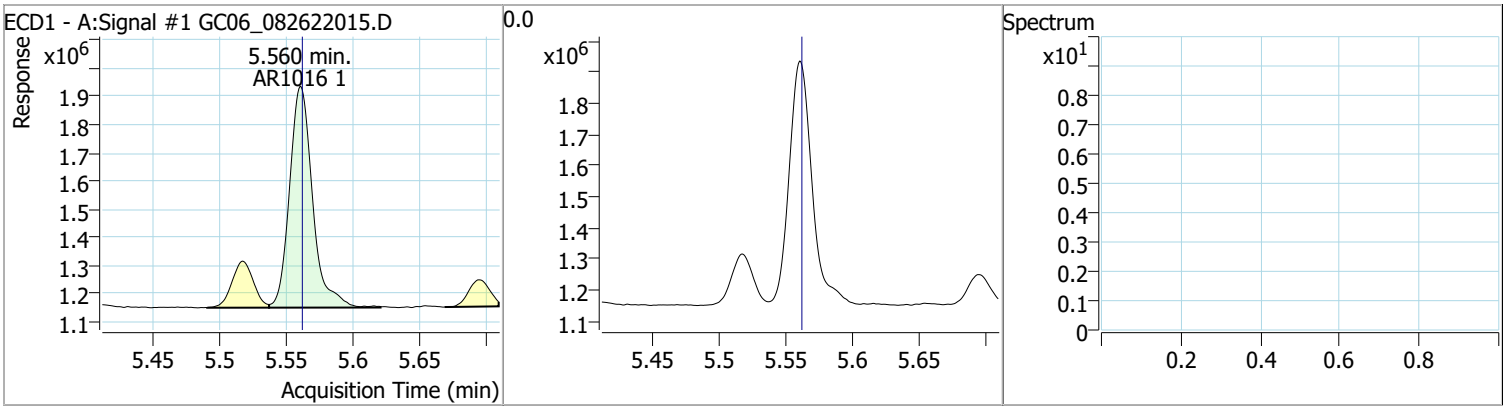
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	48.6415	5.21	0.00	3743226				



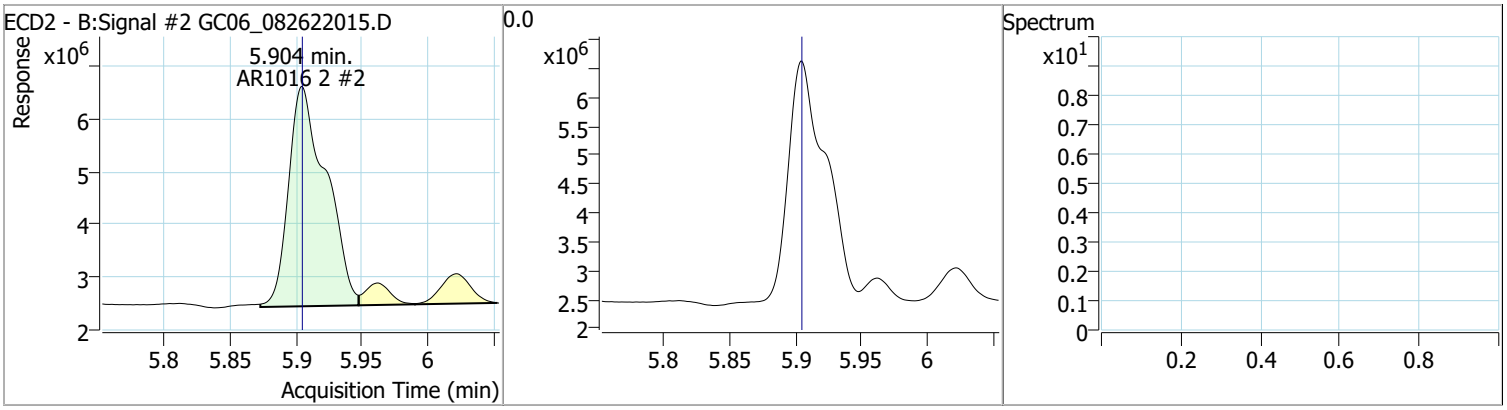
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	483.7696	5.51	0.00	3981761				



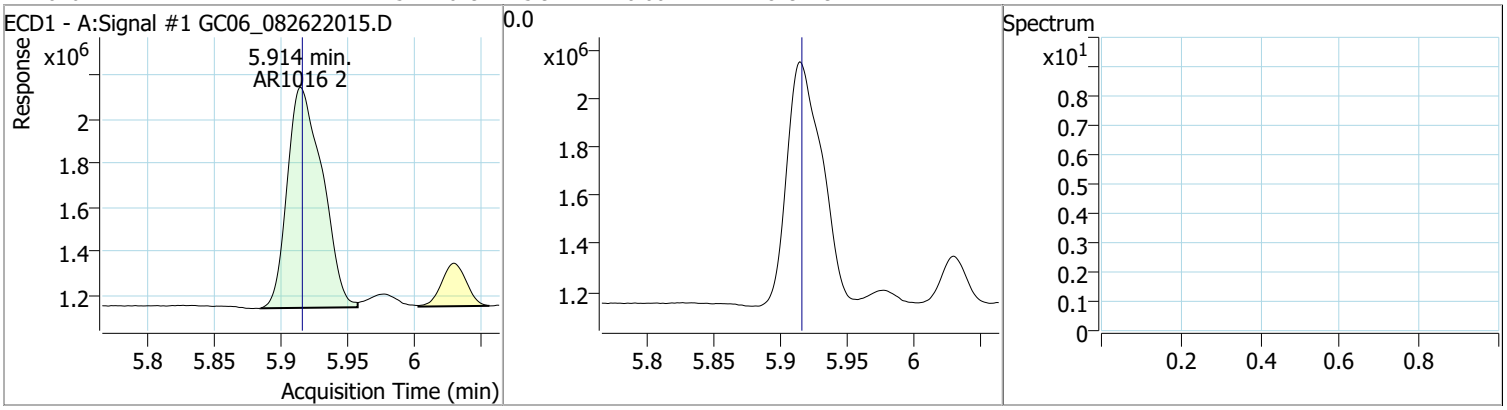
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	607.3189	5.56	0.00	950439				



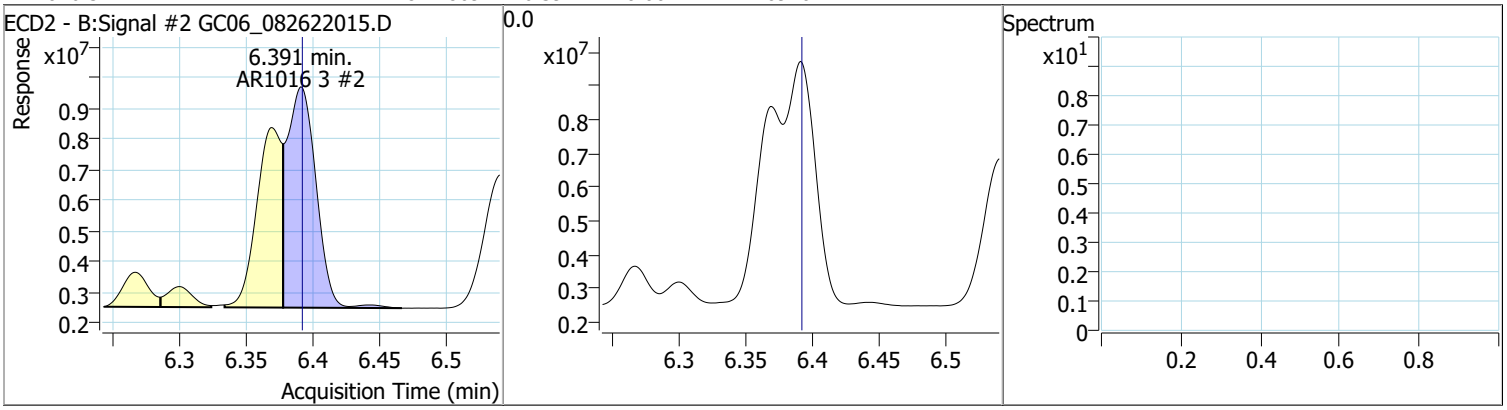
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	485.1464	5.90	0.00	8286663				



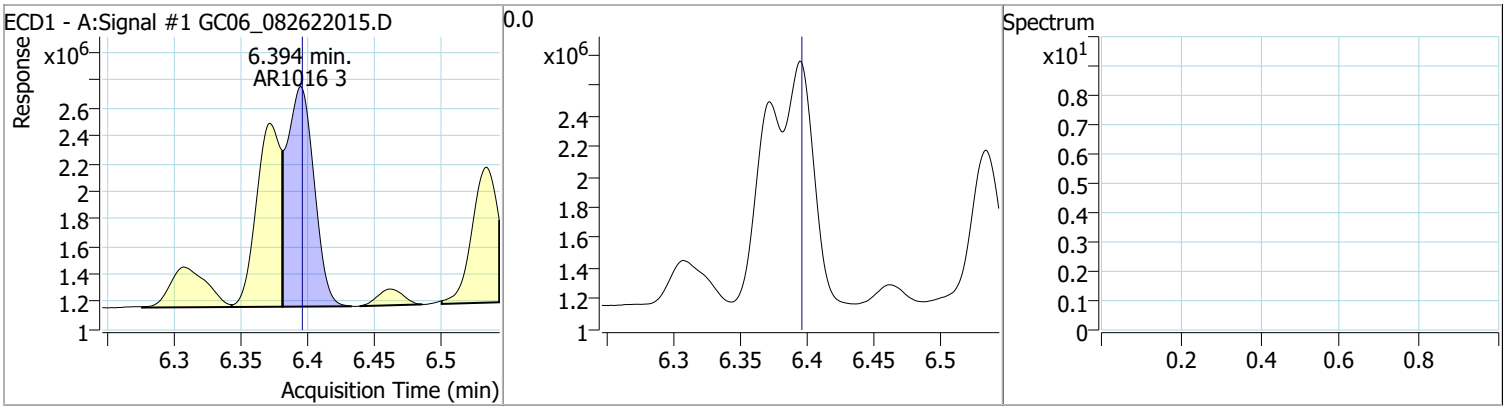
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	542.7619	5.91	0.00	1849479				



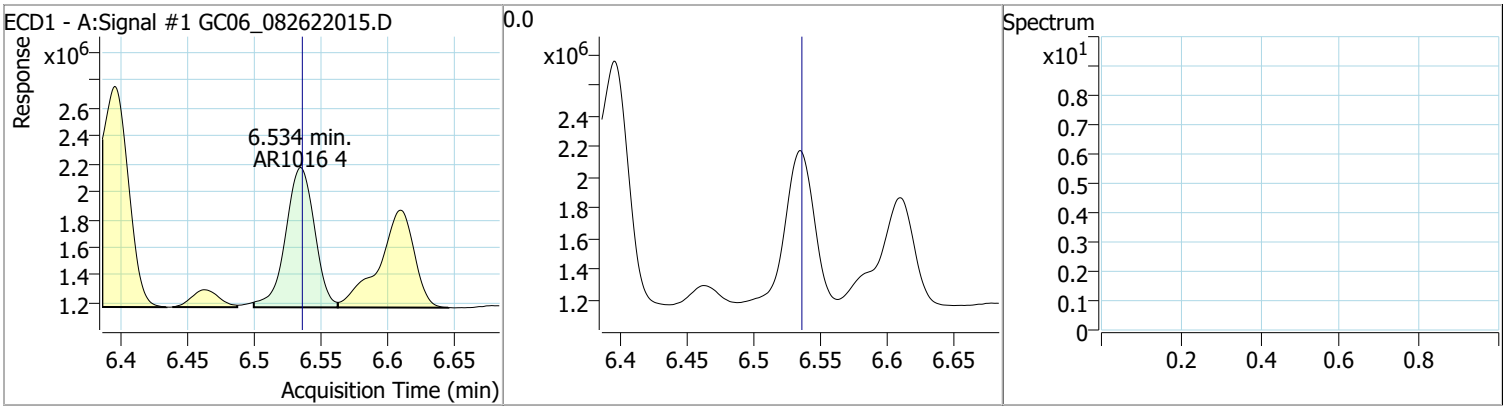
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	484.7809	6.39	0.00	10920222				



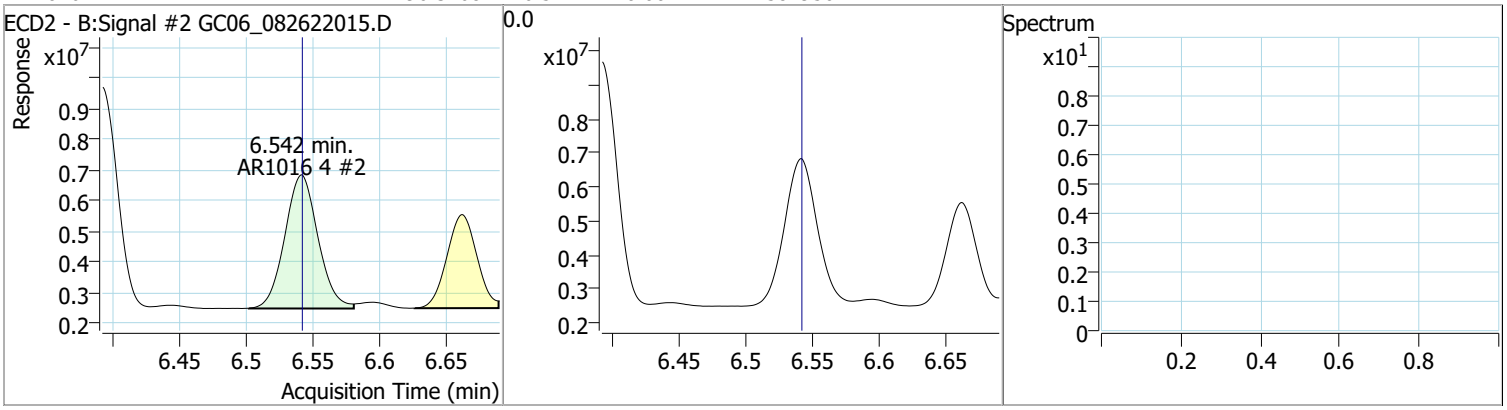
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	562.4694	6.39	0.00	2255687				



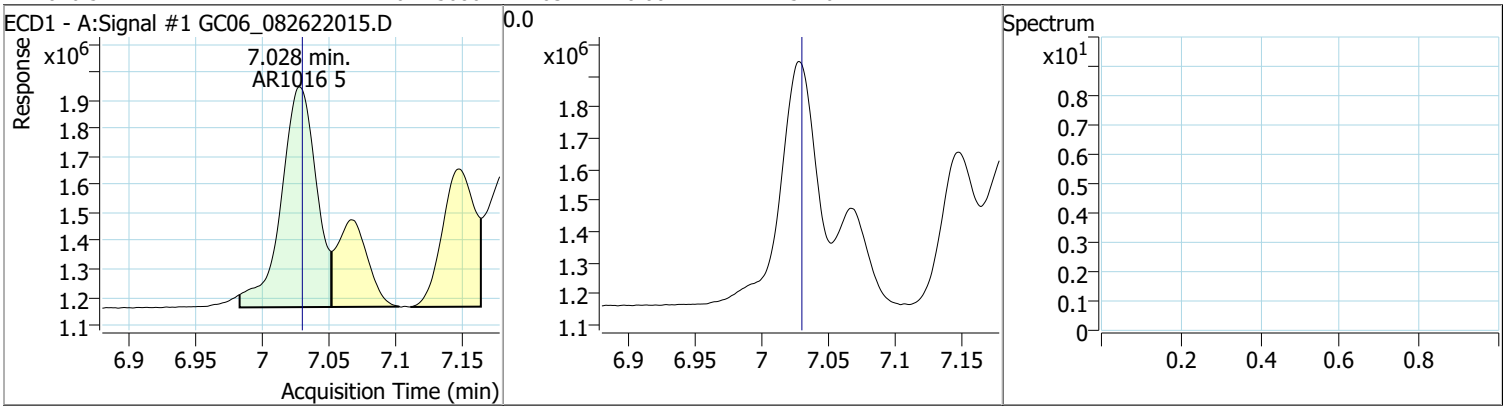
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	509.3420	6.53	0.00	1528578				



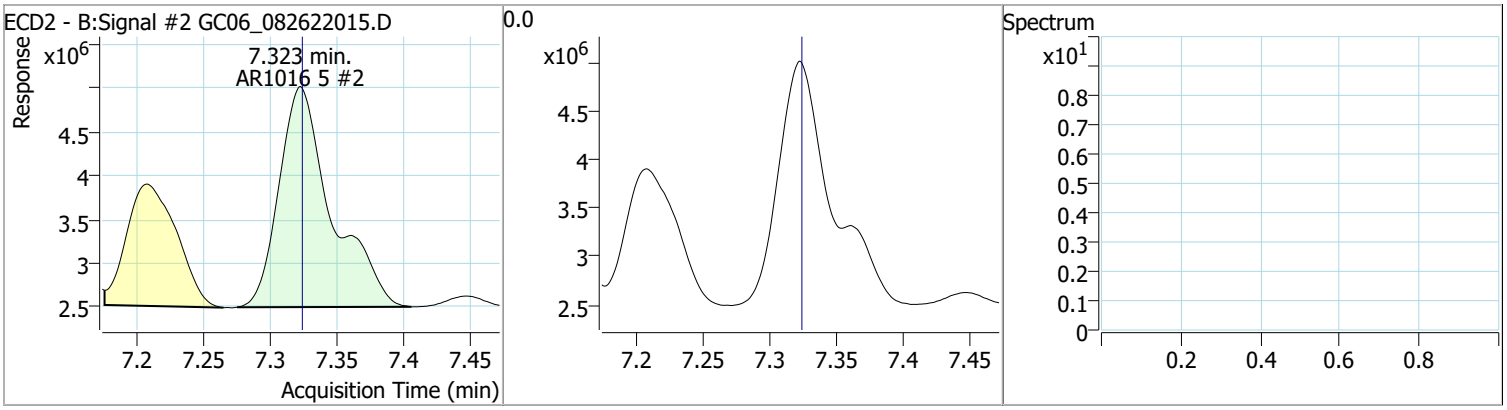
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	496.3168	6.54	0.00	7584950				



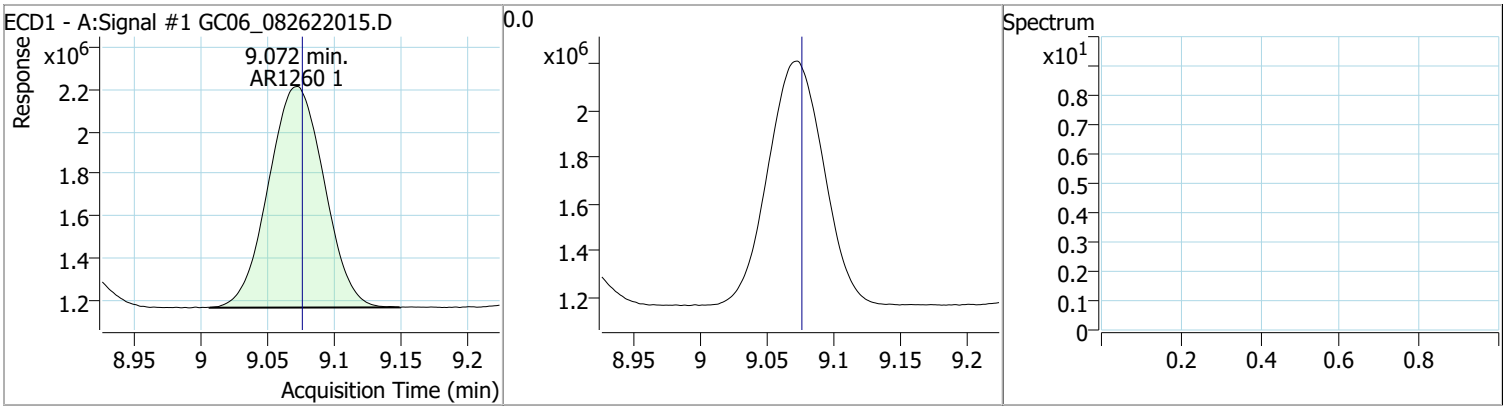
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	622.5686	7.03	0.00	1445276				



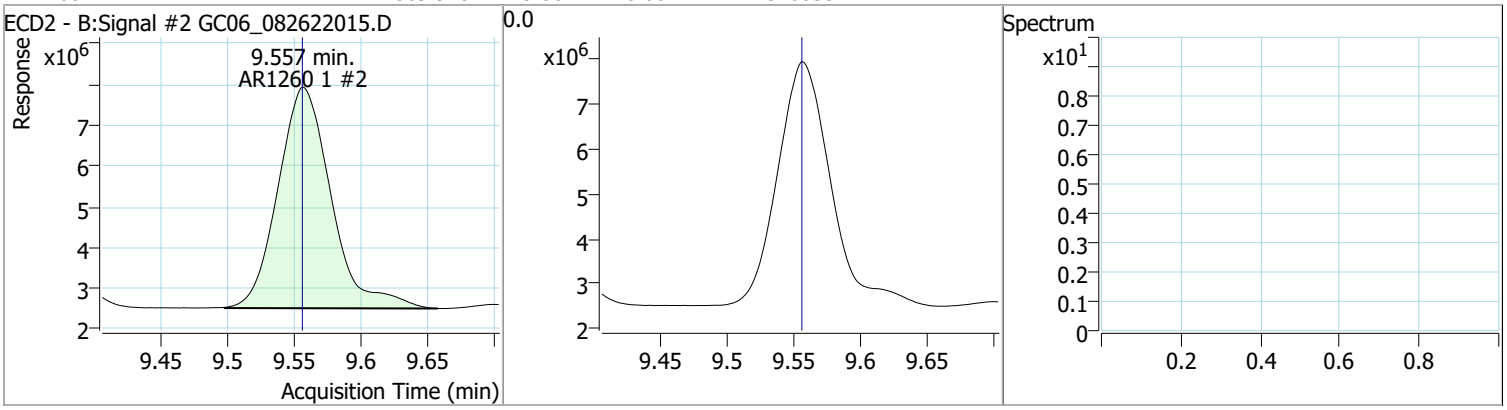
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	578.8820	7.32	0.00	6916608				



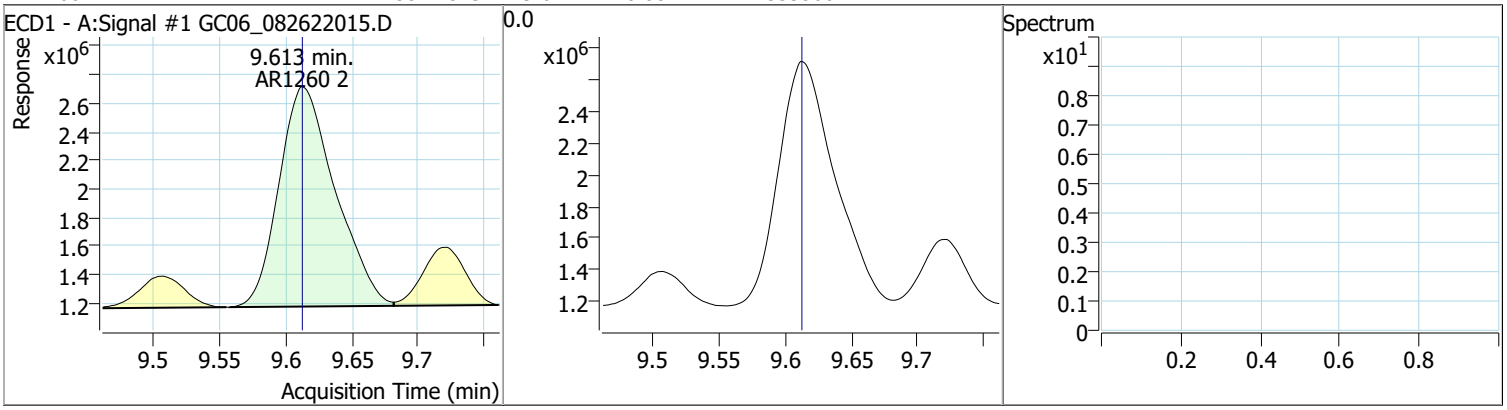
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	608.3538	9.07	0.00	3063010				



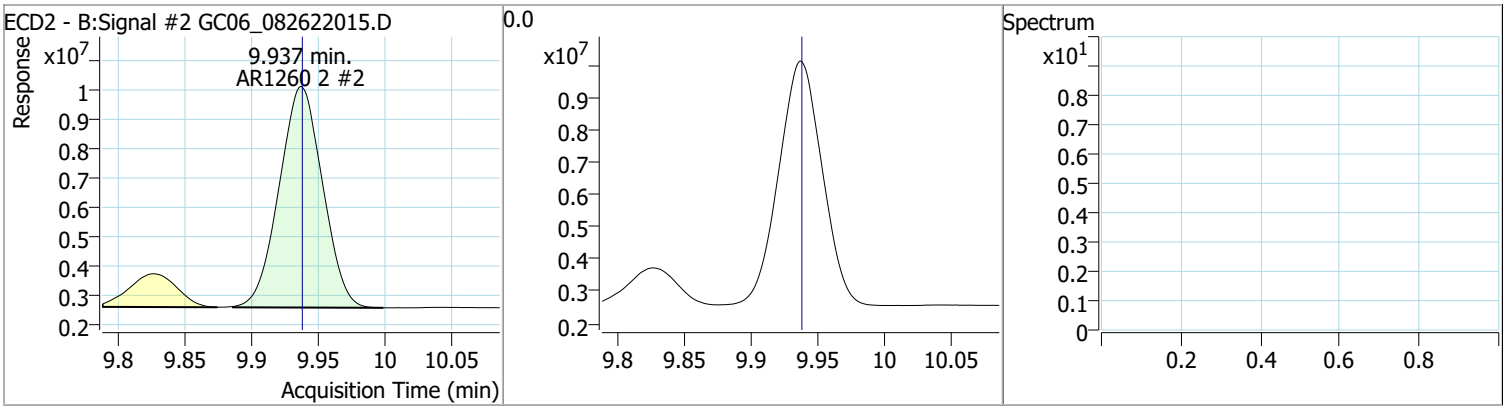
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	569.9181	9.56	0.00	15160354				



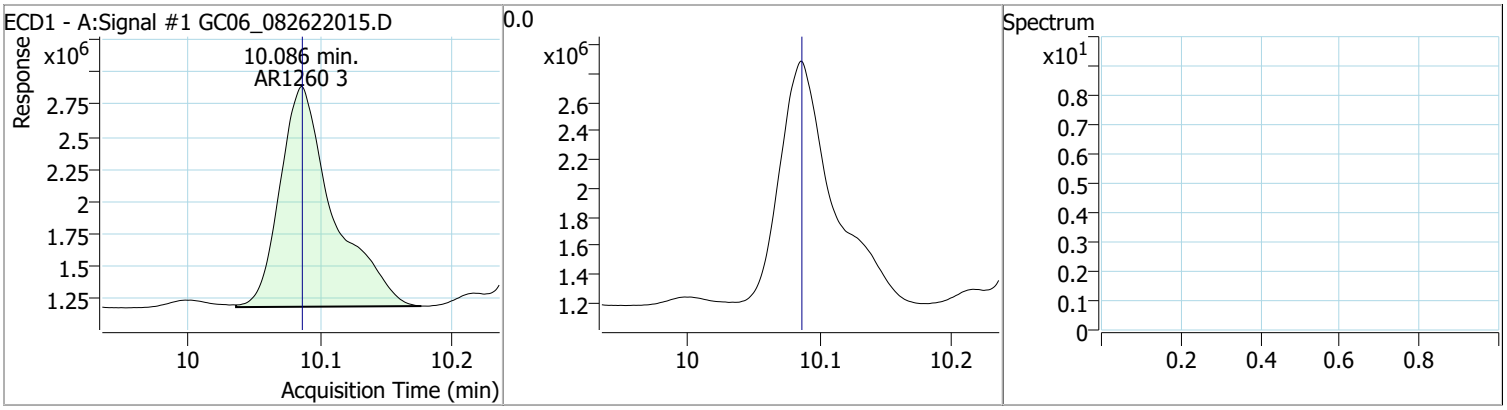
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	587.1813	9.61	0.00	4553560				



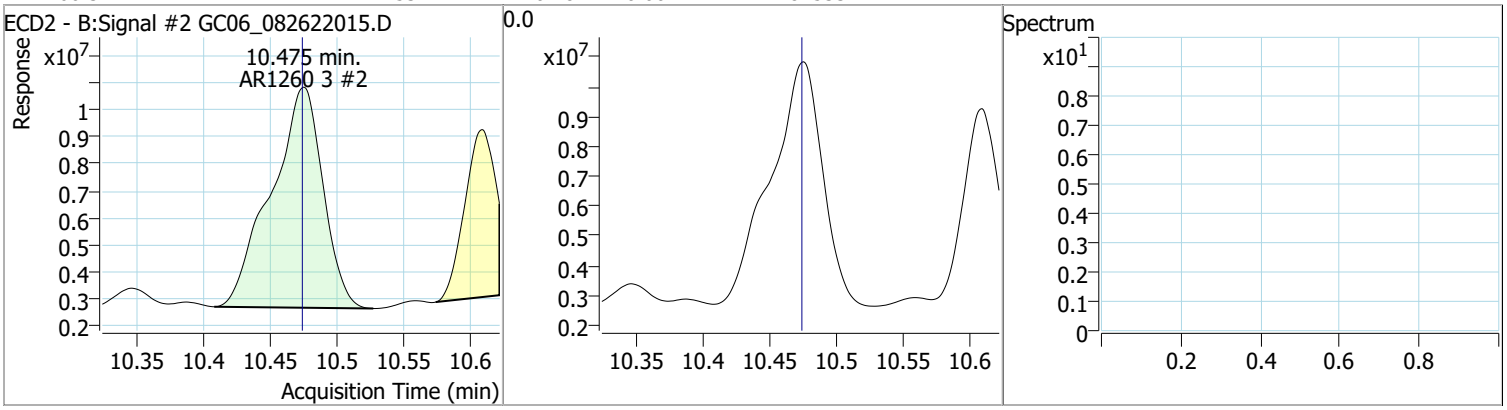
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	559.3932	9.94	0.00	17193820				



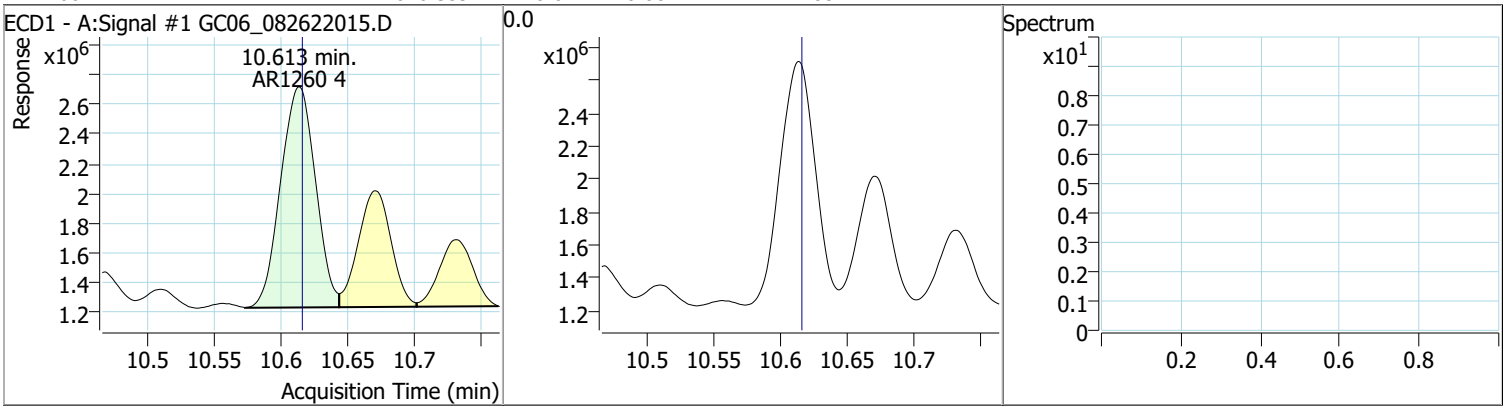
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	587.8773	10.09	0.00	4739341				



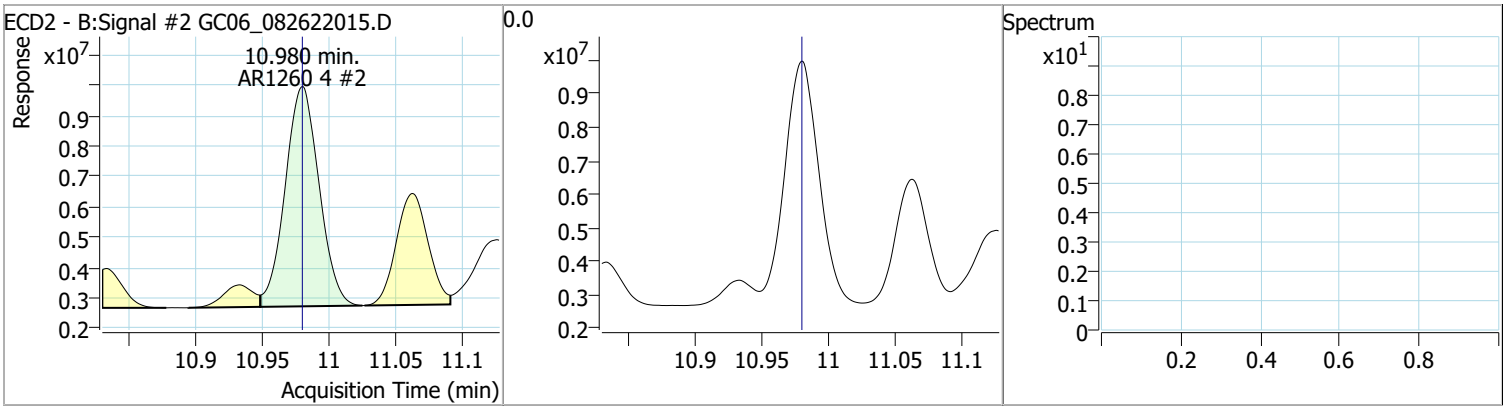
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	531.1774	10.48	0.00	22181533				



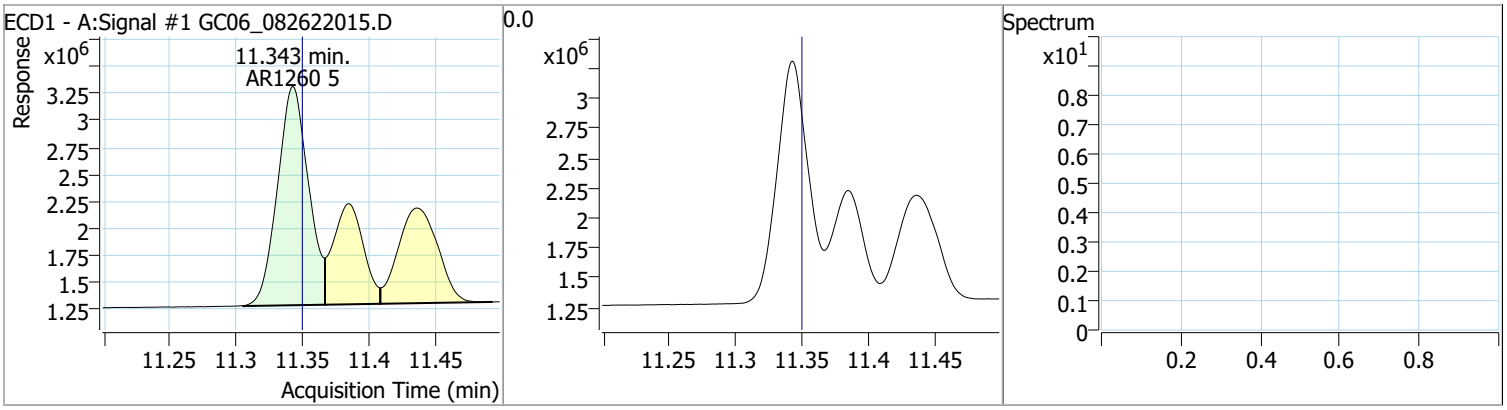
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	676.3597	10.61	0.00	2711785				



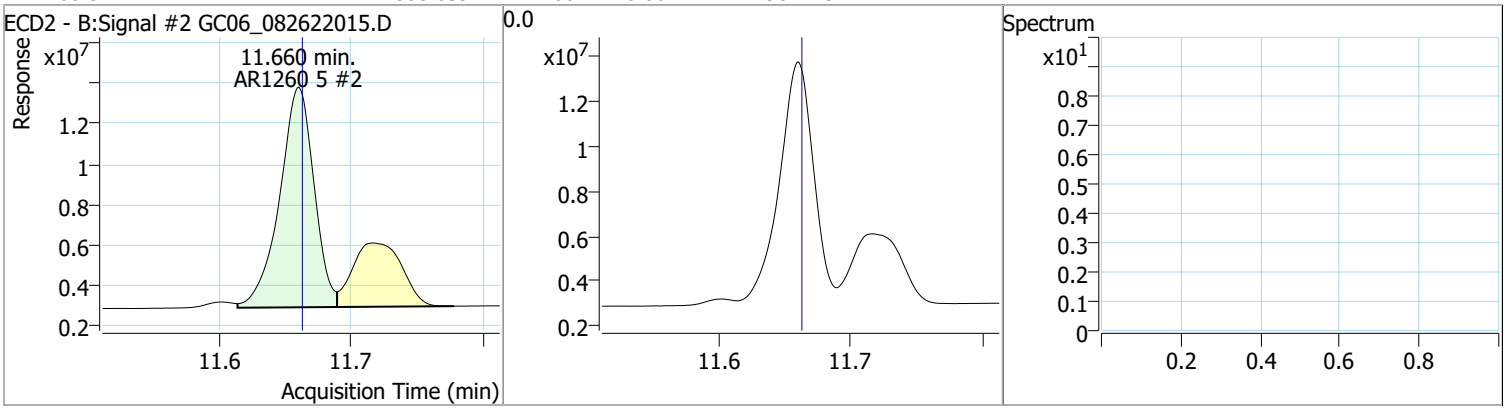
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	572.1163	10.98	0.00	12927888				



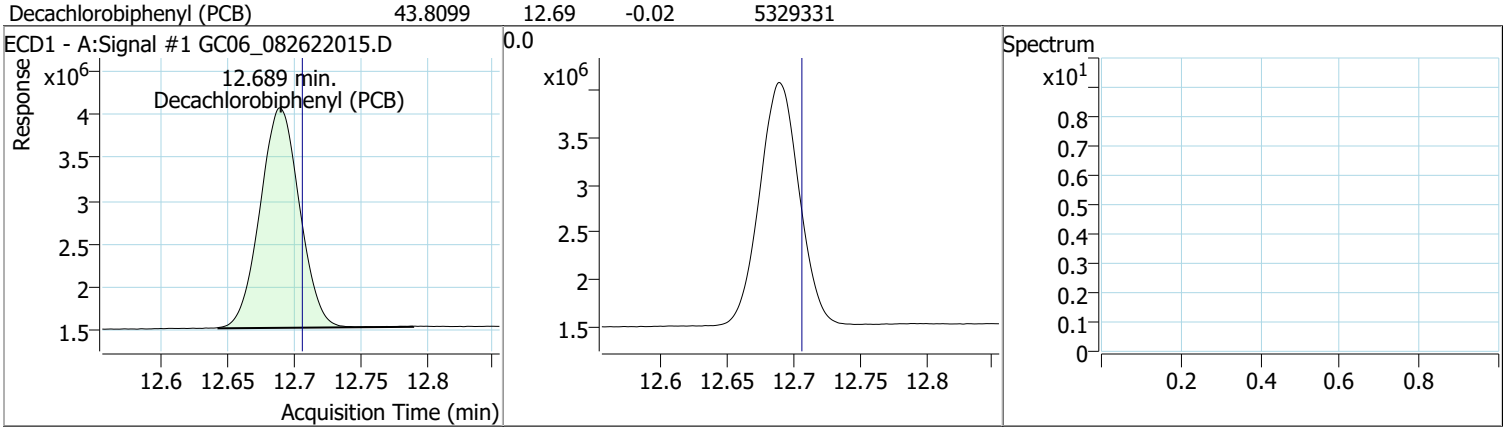
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	620.0017	11.34	-0.01	3290066				



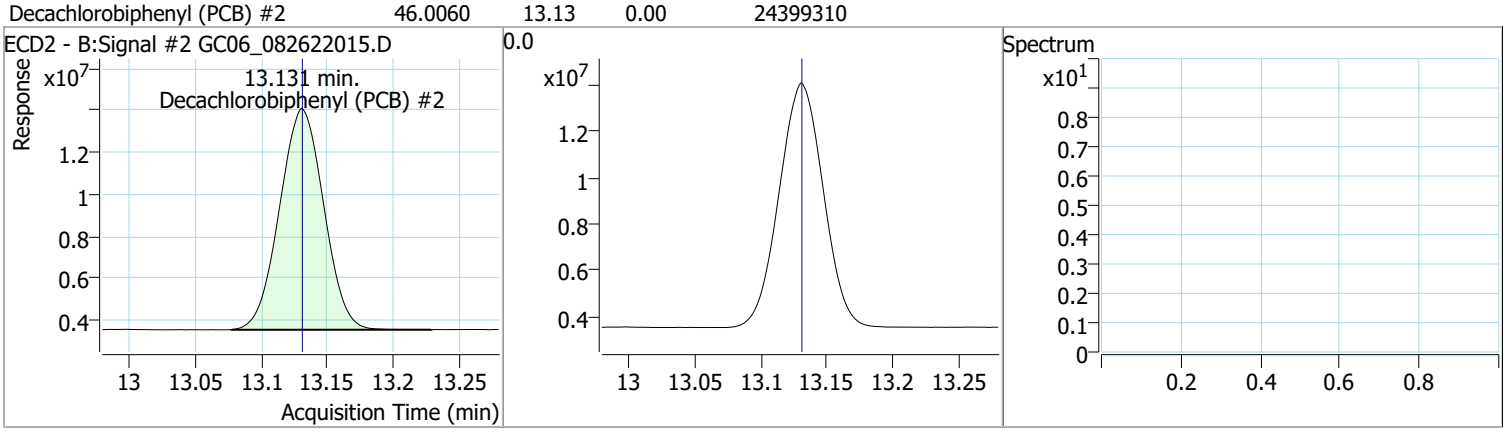
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	588.8391	11.66	0.00	19617131				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	43.8099	12.69	-0.02	5329331				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	46.0060	13.13	0.00	24399310				



Initial Calibration Raw Data

ENTHALPY INITIAL CALIBRATION FOR 467771 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_041422_1
Calibration #:	452150634002	Date:	14-APR-2022 18:41
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_041422015	452150634015		14-APR-2022 18:41	S16585 (100X), S16100 (250X)
L2	gc06_041422016	452150634016		14-APR-2022 18:58	S16585 (40X), S16100 (250X)
L3	gc06_041422017	452150634017		14-APR-2022 19:16	S16585 (20X), S16100 (250X)
L4	gc06_041422018	452150634018		14-APR-2022 19:33	S16585 (8X), S16100 (250X)
L5	gc06_041422019	452150634019		14-APR-2022 19:51	S16585 (4X), S16100 (250X)
L6	gc06_041422020	452150634020		14-APR-2022 20:09	S16585 (2.667X), S16100 (250X)
L7	gc06_041422021	452150634021		14-APR-2022 20:26	S16585 (2X), S16100 (250X)
L8	gc06_041422022	452150634022		14-APR-2022 20:44	S16585 (1.33X), S16100 (250X)
L9	gc06_041422023	452150634023		14-APR-2022 21:01	S16585, S16100 (250X)

Analyte	Ch	Type	a0	a1	a2	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		51.1278		0.0196	12	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		23.4813		0.0426	17	9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		19.9522		0.0501	7	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		26.6618		0.0375	10	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		34.4669		0.0290	13	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		15.8917		0.0629	17	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		10.3178		0.0969	16	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		9.92526		0.1008	11	9	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		19.9568		0.0501	14	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		15.0787		0.0663	10	9	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.65776		1.5203	11	9	.99	20	
TCMX (PCB)	A	AVRG		1.03976		0.9618	12	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		53.4063		0.0187	13	8	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		25.7342		0.0389	10	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		19.5135		0.0512	8	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		28.7624		0.0348	10	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		36.7890		0.0272	8	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		16.5241		0.0605	17	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		14.3009		0.0699	15	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		10.5262		0.0950	13	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		19.4527		0.0514	13	9	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		13.1942		0.0758	14	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.82881		1.2065	11	9	.99	20	
TCMX (PCB)	B	AVRG		1.09191		0.9158	4	9	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

ENTHALPY INITIAL CALIBRATION FOR 467771 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_041422_1
Calibration #:	452150634002	Date:	14-APR-2022 18:41
Units:	ug/L	X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0231	0.0227	0.0209	0.0201	0.0187	0.0179	0.0181	0.0177	0.0170
Aroclor-1016 Peak # 2	A	0.0579	0.0492	0.0459	0.0411	0.0401	0.0377	0.0380	0.0376	0.0358
Aroclor-1016 Peak # 3	A	0.0556	0.0544	0.0533	0.0502	0.0495	0.0465	0.0475	0.0478	0.0462
Aroclor-1016 Peak # 4	A	0.0452	0.0402	0.0403	0.0373	0.0367	0.0344	0.0348	0.0349	0.0336
Aroclor-1016 Peak # 5	A	0.0366	0.0313	0.0318	0.0288	0.0282	0.0260	0.0265	0.0266	0.0254
Aroclor-1260 Peak # 1	A	0.0863	0.0696	0.0704	0.0605	0.0604	0.0546	0.0553	0.0564	0.0528
Aroclor-1260 Peak # 2	A	0.1290	0.1076	0.1081	0.0929	0.0932	0.0843	0.0856	0.0887	0.0829
Aroclor-1260 Peak # 3	A	0.1233	0.1080	0.1086	0.0954	0.0970	0.0903	0.0930	0.0985	0.0928
Aroclor-1260 Peak # 4	A	0.0649	0.0543	0.0546	0.0479	0.0490	0.0442	0.0449	0.0473	0.0440
Aroclor-1260 Peak # 5	A	0.0797	0.0687	0.0724	0.0626	0.0650	0.0598	0.0618	0.0654	0.0615
Decachlorobiphenyl (PCB)	A	1.7379	1.5882	1.7199	1.5711	1.6300	1.3467	1.3670	1.4227	1.2993
TCMX (PCB)	A	1.2458	1.0303	0.9495	0.8937	0.9019	0.8810	0.9149	0.9235	0.9152
Aroclor-1016 Peak # 1	B		0.0232	0.0215	0.0191	0.0183	0.0172	0.0173	0.0168	0.0162
Aroclor-1016 Peak # 2	B	0.0444	0.0428	0.0426	0.0397	0.0384	0.0360	0.0363	0.0355	0.0340
Aroclor-1016 Peak # 3	B	0.0572	0.0573	0.0541	0.0510	0.0506	0.0471	0.0486	0.0480	0.0473
Aroclor-1016 Peak # 4	B	0.0420	0.0372	0.0371	0.0352	0.0341	0.0320	0.0325	0.0320	0.0309
Aroclor-1016 Peak # 5	B	0.0313	0.0295	0.0290	0.0271	0.0270	0.0252	0.0256	0.0255	0.0245
Aroclor-1260 Peak # 1	B	0.0820	0.0682	0.0674	0.0585	0.0578	0.0528	0.0531	0.0540	0.0509
Aroclor-1260 Peak # 2	B	0.0913	0.0772	0.0777	0.0683	0.0672	0.0613	0.0623	0.0639	0.0601
Aroclor-1260 Peak # 3	B	0.1205	0.1032	0.1035	0.0913	0.0919	0.0839	0.0860	0.0896	0.0852
Aroclor-1260 Peak # 4	B	0.0648	0.0555	0.0557	0.0505	0.0510	0.0461	0.0439	0.0490	0.0462
Aroclor-1260 Peak # 5	B	0.0991	0.0829	0.0833	0.0720	0.0729	0.0663	0.0670	0.0713	0.0673
Decachlorobiphenyl (PCB)	B	1.4005	1.2744	1.3672	1.2436	1.2790	1.0642	1.0803	1.1172	1.0325
TCMX (PCB)	B	1.0035	0.9180	0.8869	0.8884	0.9009	0.8817	0.9159	0.9229	0.9244

ENTHALPY INITIAL CALIBRATION FOR 467771 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_041422_1
Calibration #:	452150634002	Date:	14-APR-2022 18:41
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	18	50.000	16	100.00	7	250.00	3	500.00	-4	749.91	-9	1000.0	-8	1503.8	-10
Aroclor-1016 Peak # 2	A	20.000	**36**	50.000	15	100.00	8	250.00	-3	500.00	-6	749.91	-11	1000.0	-11	1503.8	-12
Aroclor-1016 Peak # 3	A	20.000	11	50.000	9	100.00	6	250.00	0	500.00	-1	749.91	-7	1000.0	-5	1503.8	-5
Aroclor-1016 Peak # 4	A	20.000	**21**	50.000	7	100.00	8	250.00	-1	500.00	-2	749.91	-8	1000.0	-7	1503.8	-7
Aroclor-1016 Peak # 5	A	20.000	**26**	50.000	8	100.00	9	250.00	-1	500.00	-3	749.91	-11	1000.0	-9	1503.8	-8
Aroclor-1260 Peak # 1	A	20.000	**37**	50.000	11	100.00	12	250.00	-4	500.00	-4	749.91	-13	1000.0	-12	1503.8	-10
Aroclor-1260 Peak # 2	A	20.000	**33**	50.000	11	100.00	11	250.00	-4	500.00	-4	749.91	-13	1000.0	-12	1503.8	-8
Aroclor-1260 Peak # 3	A	20.000	**22**	50.000	7	100.00	8	250.00	-5	500.00	-4	749.91	-10	1000.0	-8	1503.8	-2
Aroclor-1260 Peak # 4	A	20.000	**29**	50.000	8	100.00	9	250.00	-4	500.00	-2	749.91	-12	1000.0	-10	1503.8	-6
Aroclor-1260 Peak # 5	A	20.000	20	50.000	4	100.00	9	250.00	-6	500.00	-2	749.91	-10	1000.0	-7	1503.8	-1
Decachlorobiphenyl (PCB)	A	0.8000	14	2.0000	4	4.0000	13	10.000	3	20.000	7	29.996	-11	40.000	-10	60.150	-6
TCMX (PCB)	A	0.8000	**30**	2.0000	7	4.0000	-1	10.000	-7	20.000	-6	29.996	-8	40.000	-5	60.150	-4
Aroclor-1016 Peak # 1	B			50.000	**24**	100.00	15	250.00	2	500.00	-2	749.91	-8	1000.0	-8	1503.8	-10
Aroclor-1016 Peak # 2	B	20.000	14	50.000	10	100.00	10	250.00	2	500.00	-1	749.91	-7	1000.0	-7	1503.8	-9
Aroclor-1016 Peak # 3	B	20.000	12	50.000	12	100.00	6	250.00	0	500.00	-1	749.91	-8	1000.0	-5	1503.8	-6
Aroclor-1016 Peak # 4	B	20.000	**21**	50.000	7	100.00	7	250.00	1	500.00	-2	749.91	-8	1000.0	-6	1503.8	-8
Aroclor-1016 Peak # 5	B	20.000	15	50.000	8	100.00	7	250.00	0	500.00	-1	749.91	-7	1000.0	-6	1503.8	-6
Aroclor-1260 Peak # 1	B	20.000	**35**	50.000	13	100.00	11	250.00	-3	500.00	-4	749.91	-13	1000.0	-12	1503.8	-11
Aroclor-1260 Peak # 2	B	20.000	**31**	50.000	10	100.00	11	250.00	-2	500.00	-4	749.91	-12	1000.0	-11	1503.8	-9
Aroclor-1260 Peak # 3	B	20.000	**27**	50.000	9	100.00	9	250.00	-4	500.00	-3	749.91	-12	1000.0	-10	1503.8	-6
Aroclor-1260 Peak # 4	B	20.000	**26**	50.000	8	100.00	8	250.00	-2	500.00	-1	749.91	-10	1000.0	-15	1503.8	-5
Aroclor-1260 Peak # 5	B	20.000	**31**	50.000	9	100.00	10	250.00	-5	500.00	-4	749.91	-13	1000.0	-12	1503.8	-6
Decachlorobiphenyl (PCB)	B	0.8000	16	2.0000	6	4.0000	13	10.000	3	20.000	6	29.996	-12	40.000	-10	60.150	-7
TCMX (PCB)	B	0.8000	10	2.0000	0	4.0000	-3	10.000	-3	20.000	-2	29.996	-4	40.000	0	60.150	1

ENTHALPY INITIAL CALIBRATION FOR 467771 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_041422_1
Calibration #:	452150634002	Date:	14-APR-2022 18:41
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-13
Aroclor-1016 Peak # 2	A	2000.0	-16
Aroclor-1016 Peak # 3	A	2000.0	-8
Aroclor-1016 Peak # 4	A	2000.0	-10
Aroclor-1016 Peak # 5	A	2000.0	-12
Aroclor-1260 Peak # 1	A	2000.0	-16
Aroclor-1260 Peak # 2	A	2000.0	-14
Aroclor-1260 Peak # 3	A	2000.0	-8
Aroclor-1260 Peak # 4	A	2000.0	-12
Aroclor-1260 Peak # 5	A	2000.0	-7
Decachlorobiphenyl (PCB)	A	80.000	-15
TCMX (PCB)	A	80.000	-5
Aroclor-1016 Peak # 1	B	2000.0	-14
Aroclor-1016 Peak # 2	B	2000.0	-12
Aroclor-1016 Peak # 3	B	2000.0	-8
Aroclor-1016 Peak # 4	B	2000.0	-11
Aroclor-1016 Peak # 5	B	2000.0	-10
Aroclor-1260 Peak # 1	B	2000.0	-16
Aroclor-1260 Peak # 2	B	2000.0	-14
Aroclor-1260 Peak # 3	B	2000.0	-10
Aroclor-1260 Peak # 4	B	2000.0	-10
Aroclor-1260 Peak # 5	B	2000.0	-11
Decachlorobiphenyl (PCB)	B	80.000	-14
TCMX (PCB)	B	80.000	1

TJW 04/15/22 : Manually integrated due to baseline corrections for all channels in multiple levels

Analyst: TJW 04/15/22

Reviewer: LW 04/15/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 467771 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Name:	PCB_041422_1
Calnum:	452150634002	Cal Date:	14-APR-2022

- ICV 452150634025 (gc06_041422025 14-APR-2022) stds: S16736

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	470.1	ug/L	-6	15	
Aroclor-1260	A	500.0	484.1	ug/L	-3	15	
Aroclor-1016	B	500.0	481.4	ug/L	-4	15	
Aroclor-1260	B	500.0	486.3	ug/L	-3	15	

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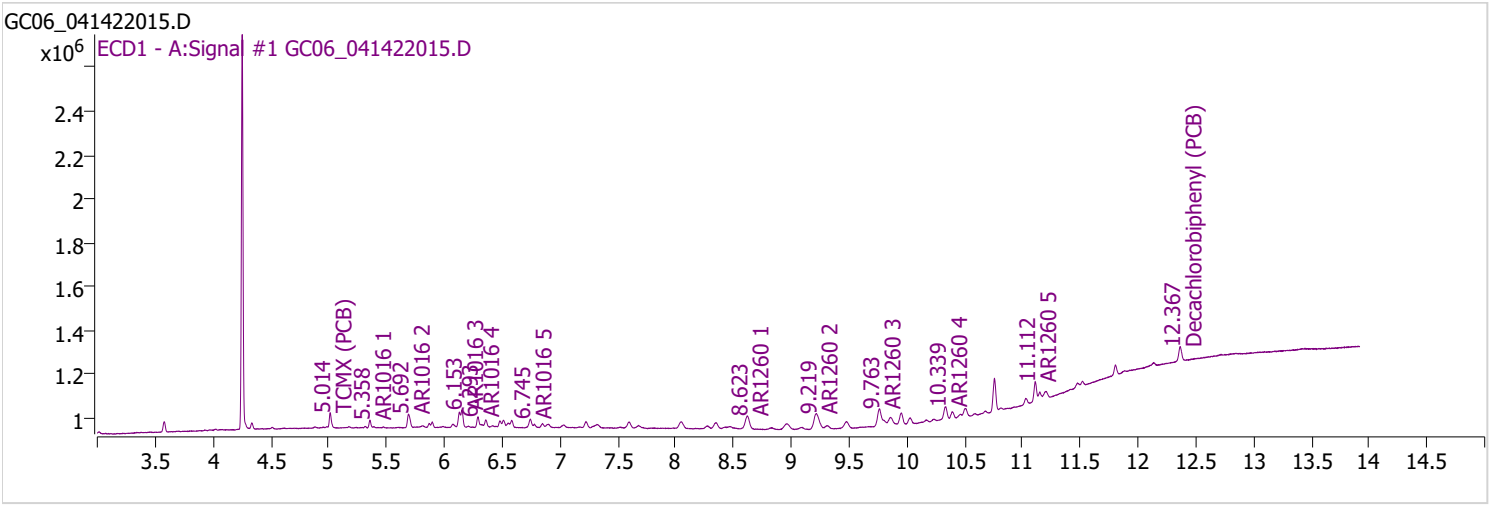
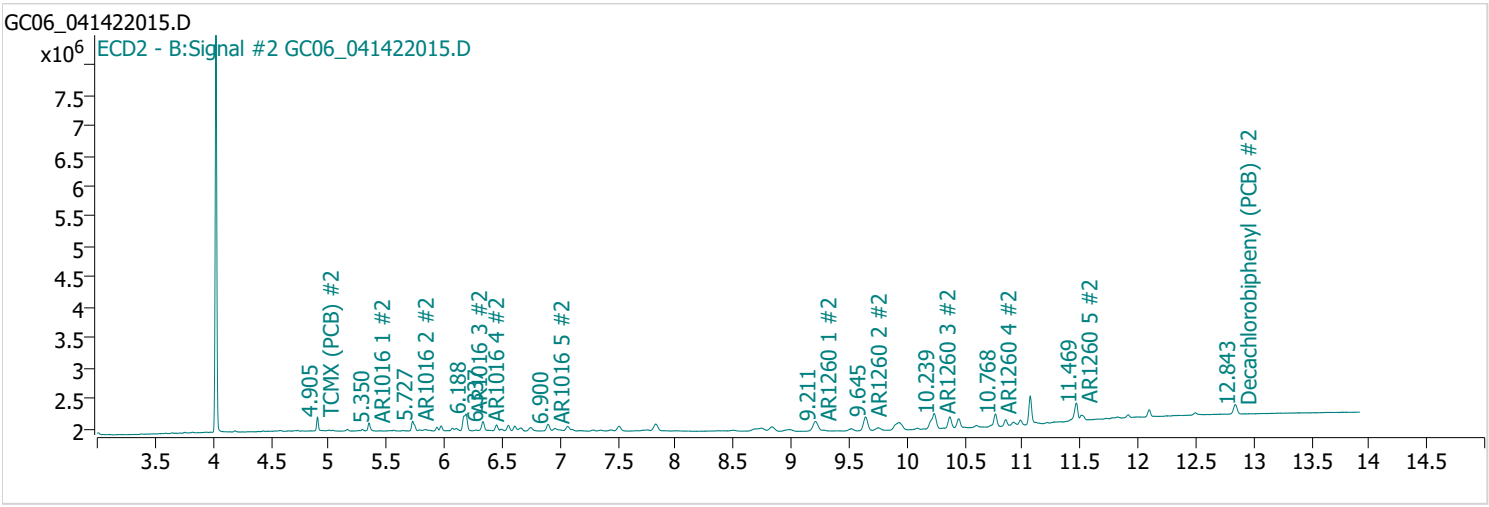
Analyst: TJW 04/15/22 **Reviewer:** LW 04/15/22

Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422015.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 6:41:09 PM
Sample Name	ICAL, S16585, 100	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 111	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



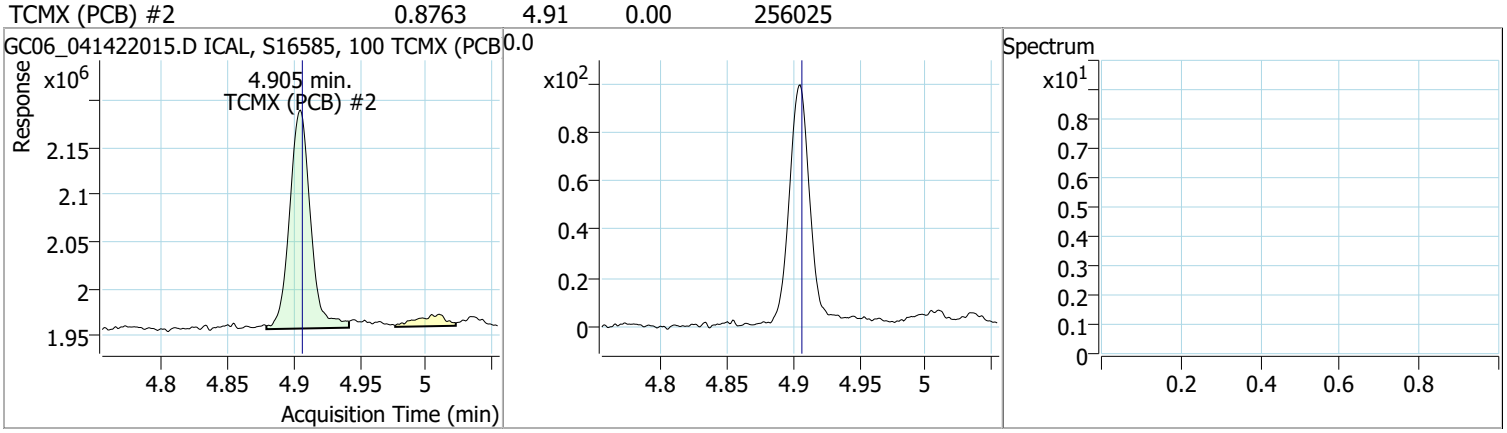


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.253	4.027	1793951	6378384	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.014	4.905	89398	256025	1.036	0.876	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	5.18% *	4.38% *	
S Decachlorobiphenyl (PCB)	12.367	12.843	124710	357322	0.914	0.928	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	4.57% *	4.64% *	
Target Compounds							
T AR1016 1	5.358	5.350	41404	194235	23.595	32.518 #	ng/ml
T AR1016 2	5.692	5.727	103843	283357	27.178	22.859	ng/ml
T AR1016 3	6.153	6.188	99825	364940 m	22.199	22.324	ng/ml
T AR1016 4	6.293	6.337	81145	267822	24.114	24.148	ng/ml
T AR1016 5	6.745	6.900	65739	199594	25.254	23.018	ng/ml
T AR1260 1	8.623	9.211	154821	522967	27.423	27.090	ng/ml
T AR1260 2	9.219	9.645	231396	582072	26.611	26.095	ng/ml
T AR1260 3	9.763	10.239	221143	768352	24.464	25.354	ng/ml
T AR1260 4	10.339	10.768	116367	413484	25.884	25.214	ng/ml

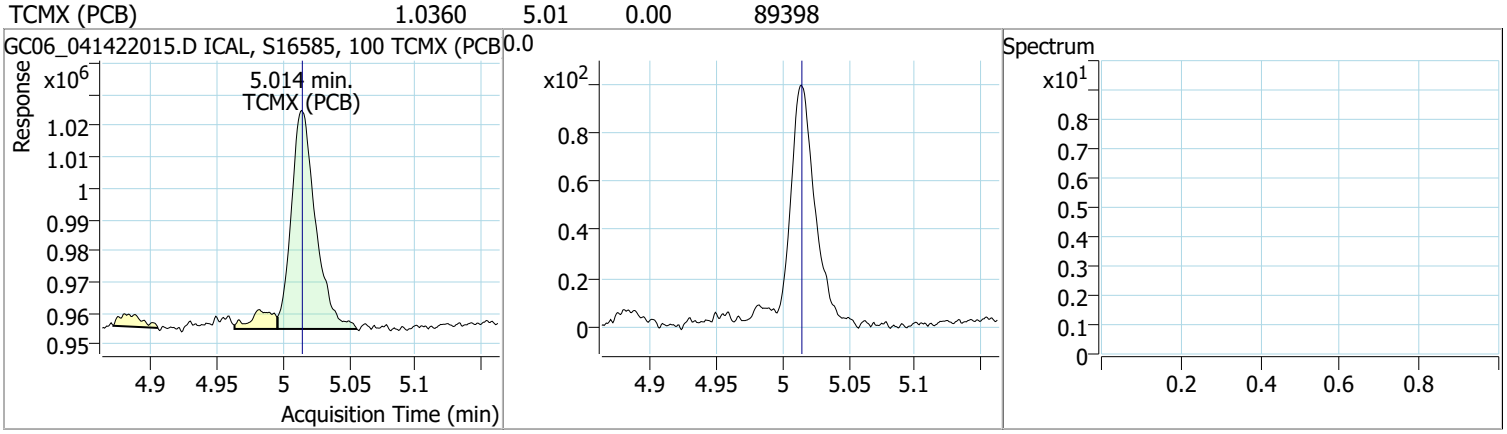
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.112	11.469	142909	632191	24.017	26.148	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

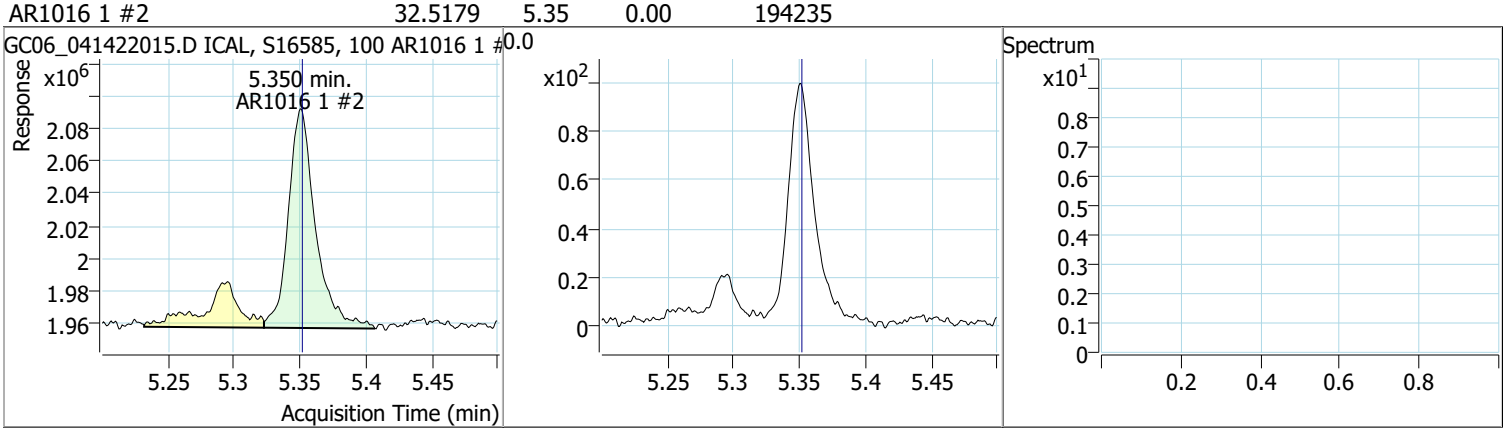
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	0.8763	4.91	0.00	256025			



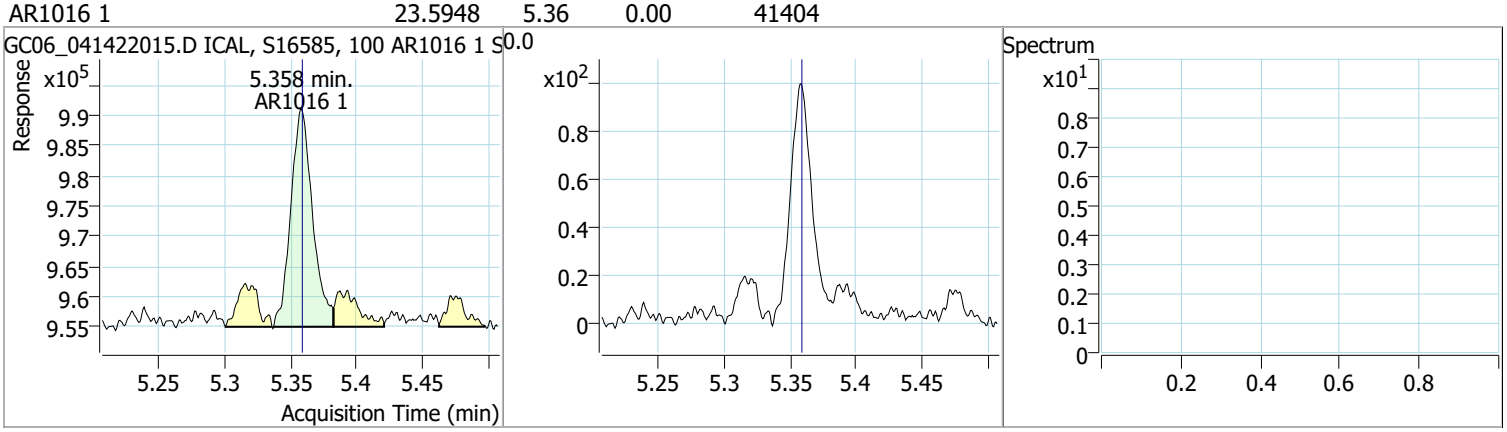
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	1.0360	5.01	0.00	89398			



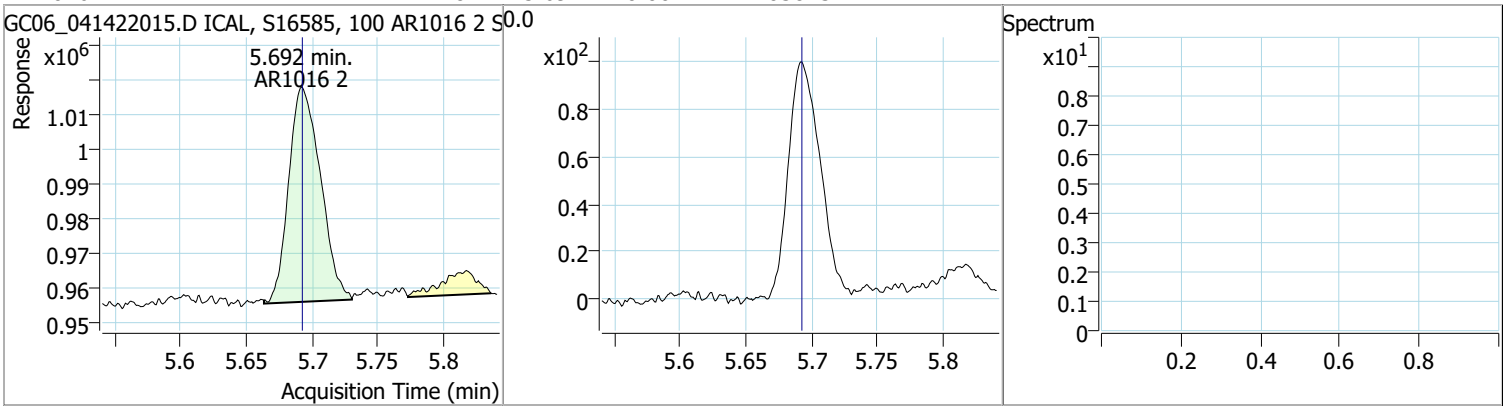
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	32.5179	5.35	0.00	194235			



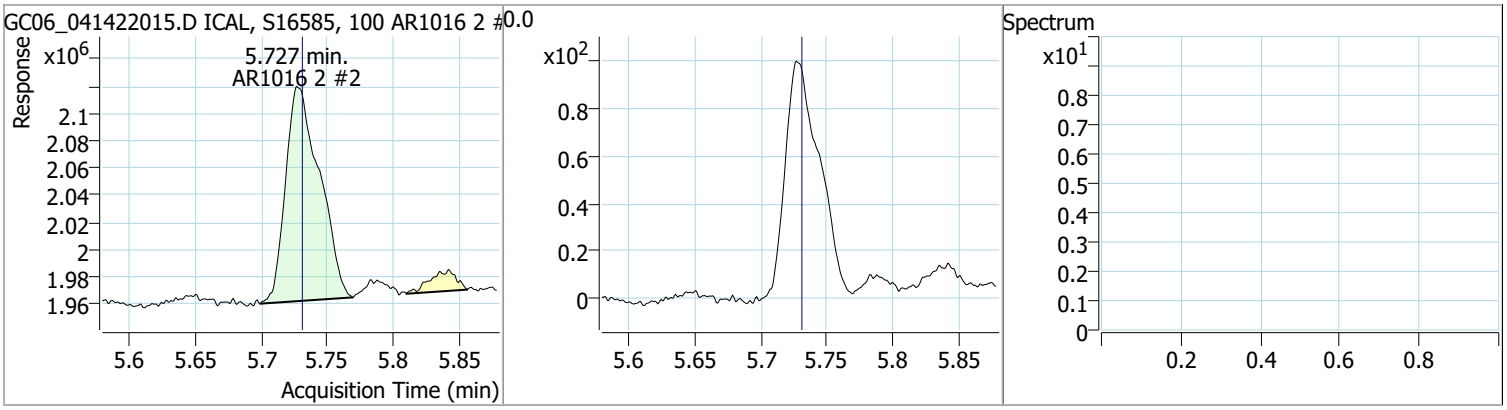
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	23.5948	5.36	0.00	41404			



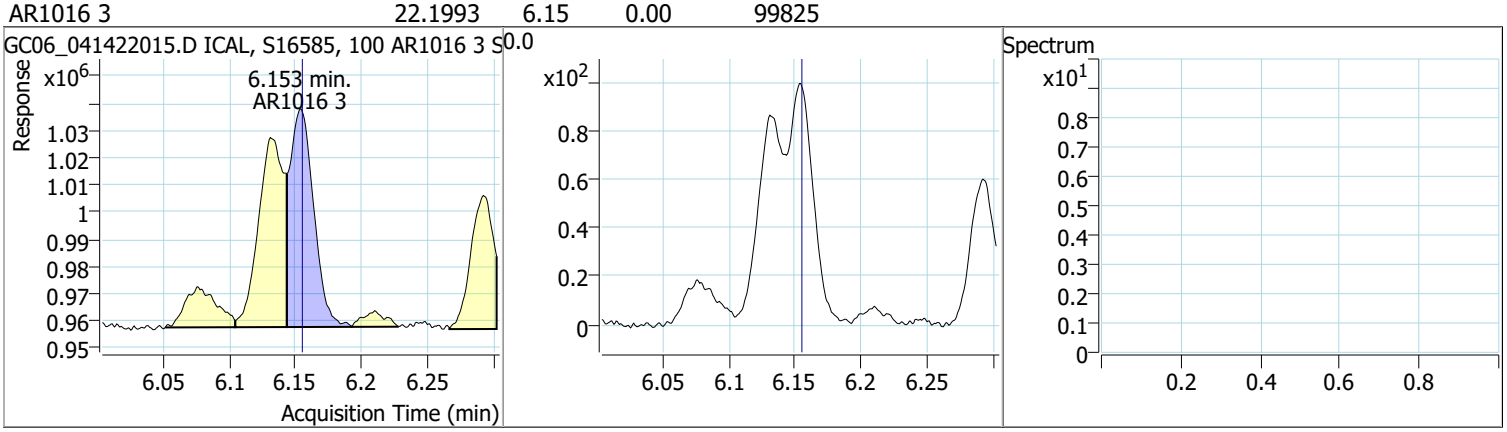
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	27.1781	5.69	0.00	103843			



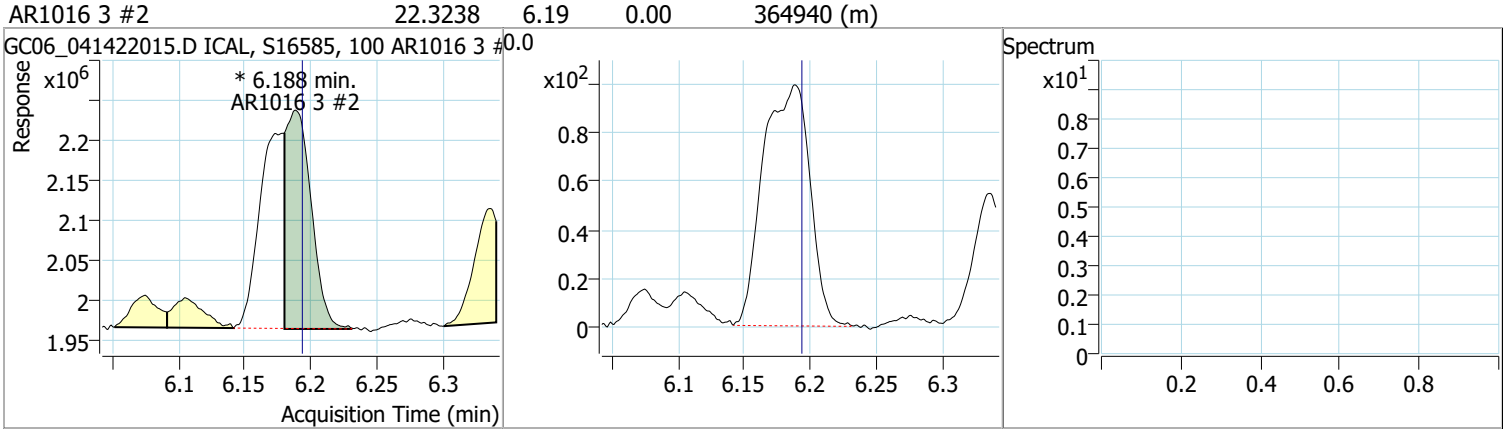
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	22.8591	5.73	0.00	283357			



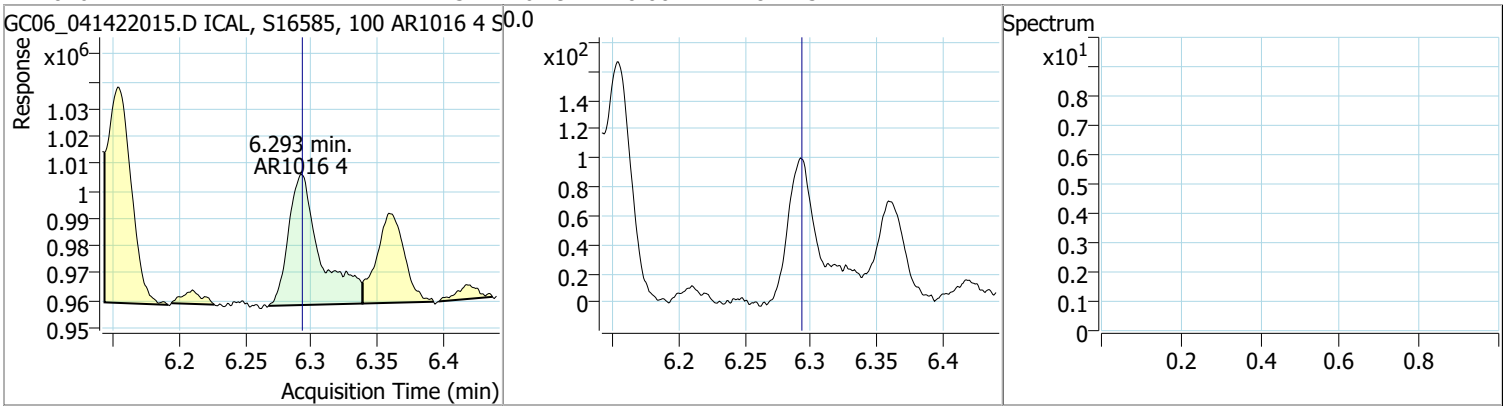
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	22.1993	6.15	0.00	99825			



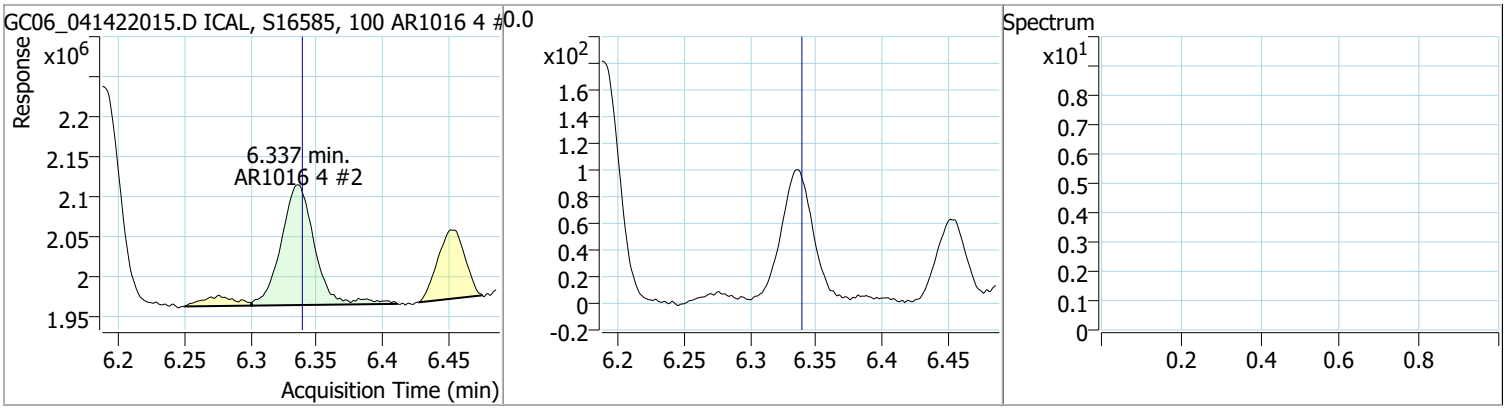
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	22.3238	6.19	0.00	364940 (m)			



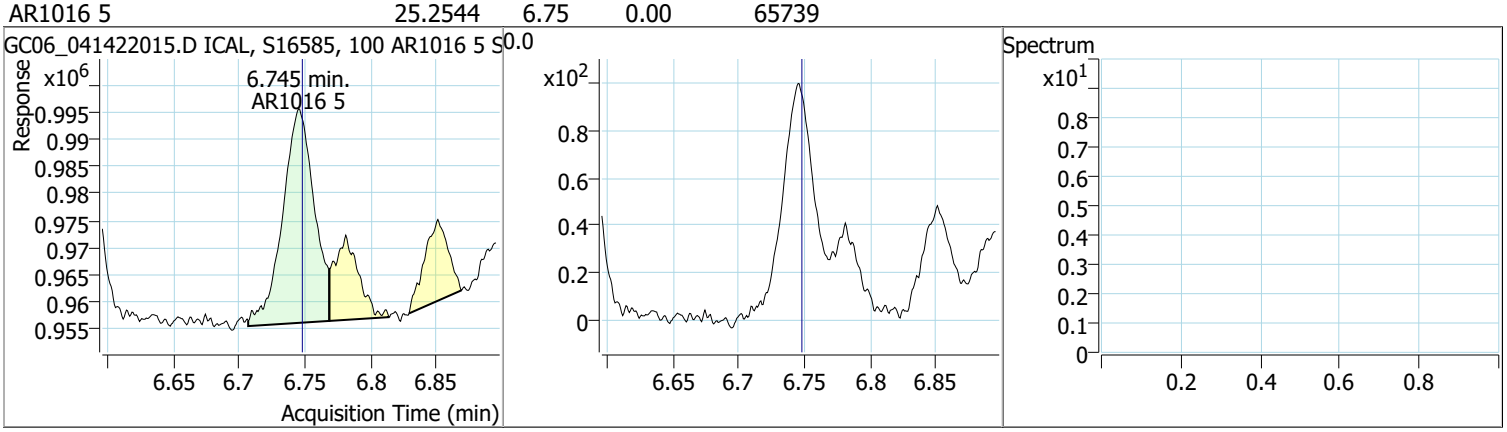
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
AR1016 4	24.1137	6.29	0.00	81145		



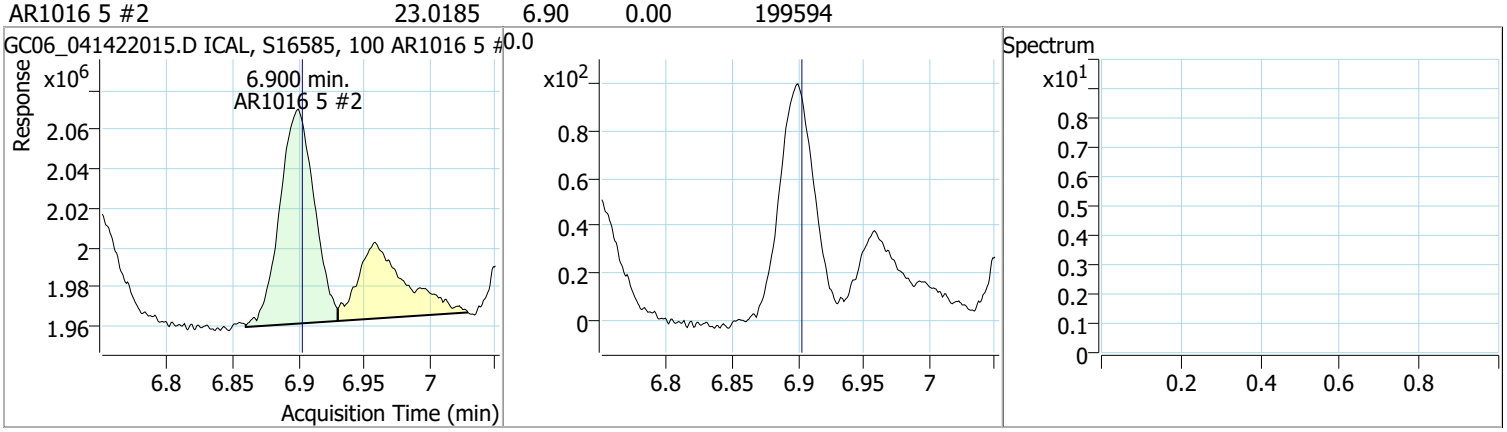
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	24.1482	6.34	0.00	267822		



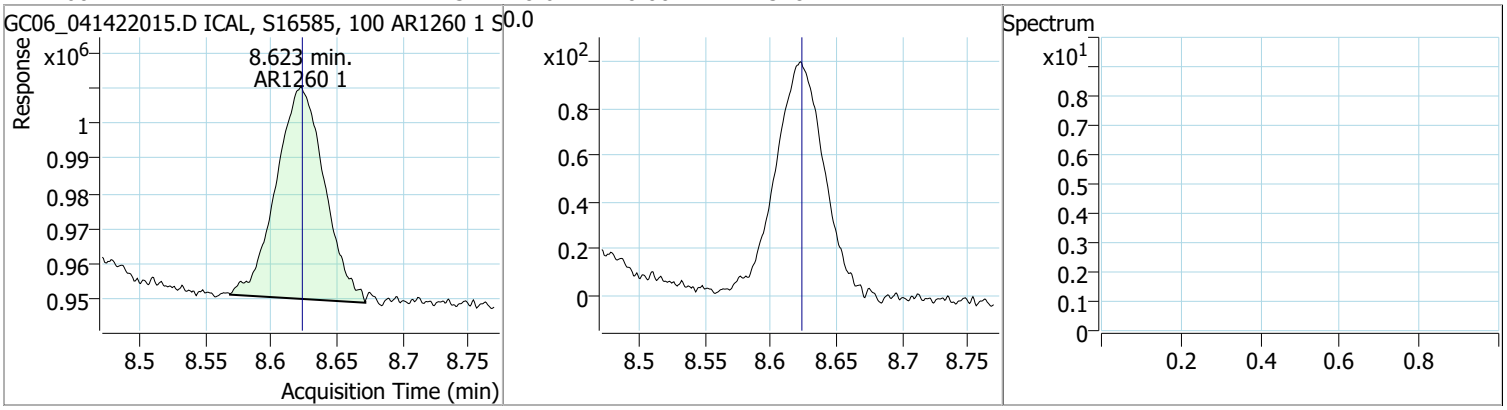
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
AR1016 5	25.2544	6.75	0.00	65739		



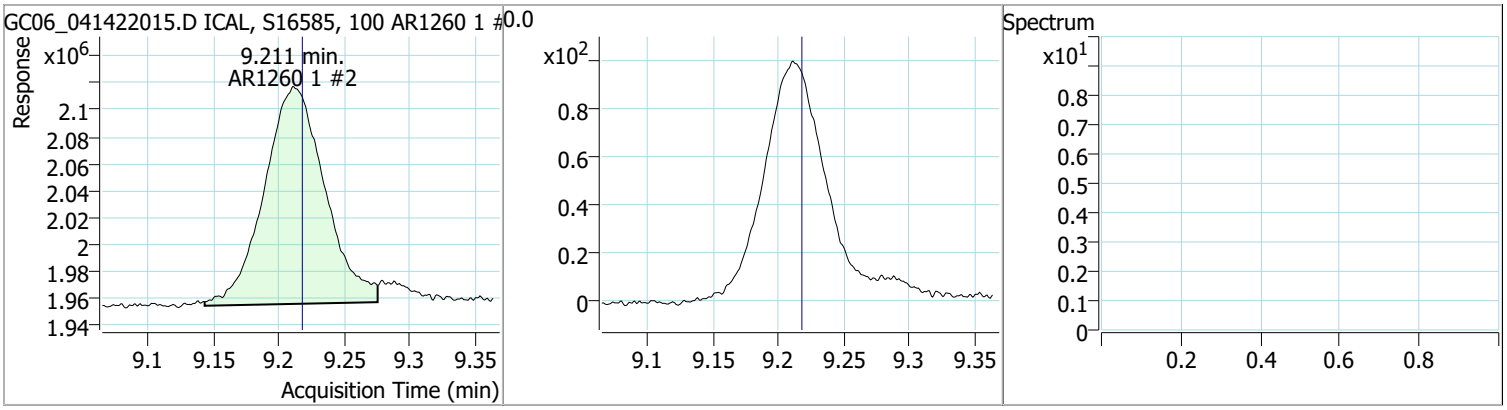
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	23.0185	6.90	0.00	199594		



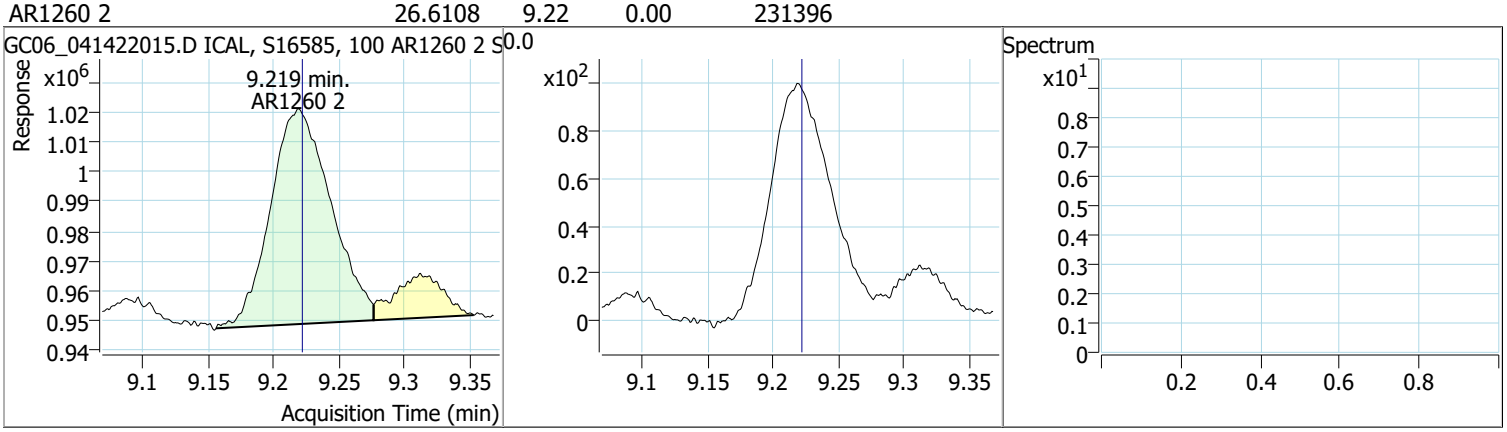
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	27.4232	8.62	0.00	154821			



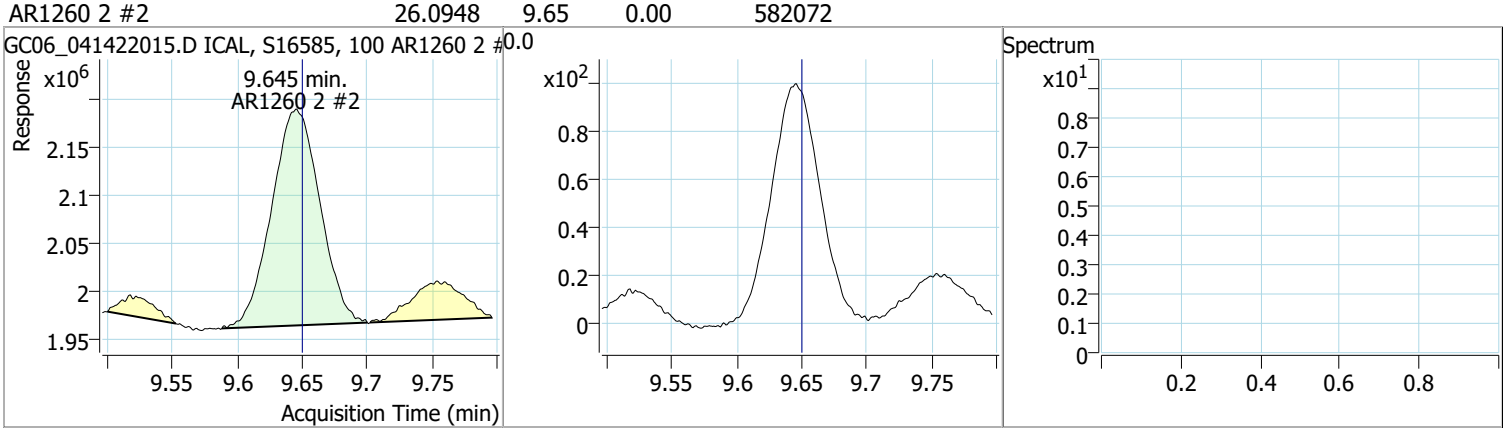
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	27.0901	9.21	0.00	522967			



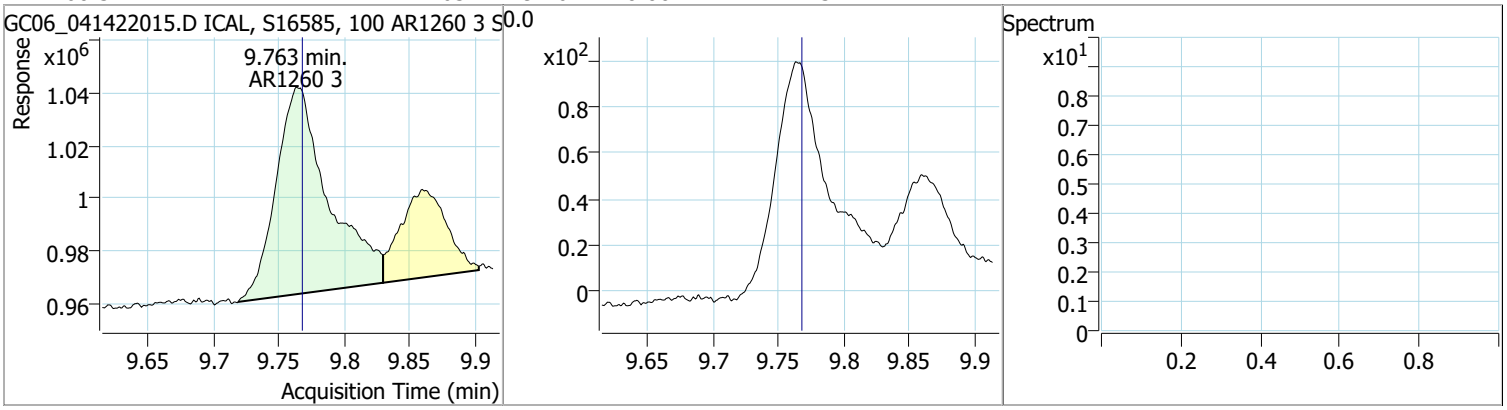
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	26.6108	9.22	0.00	231396			



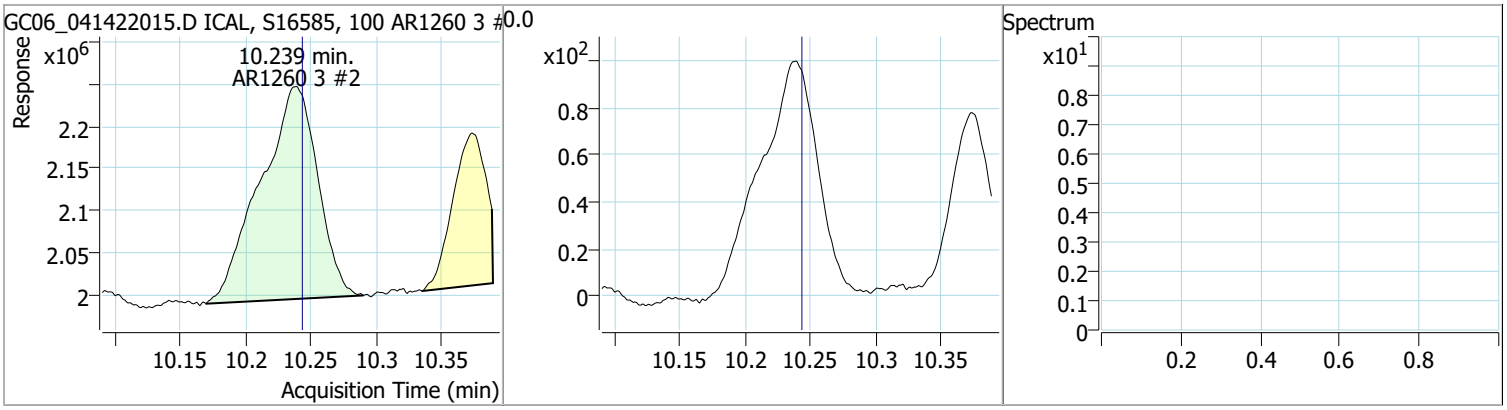
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	26.0948	9.65	0.00	582072			



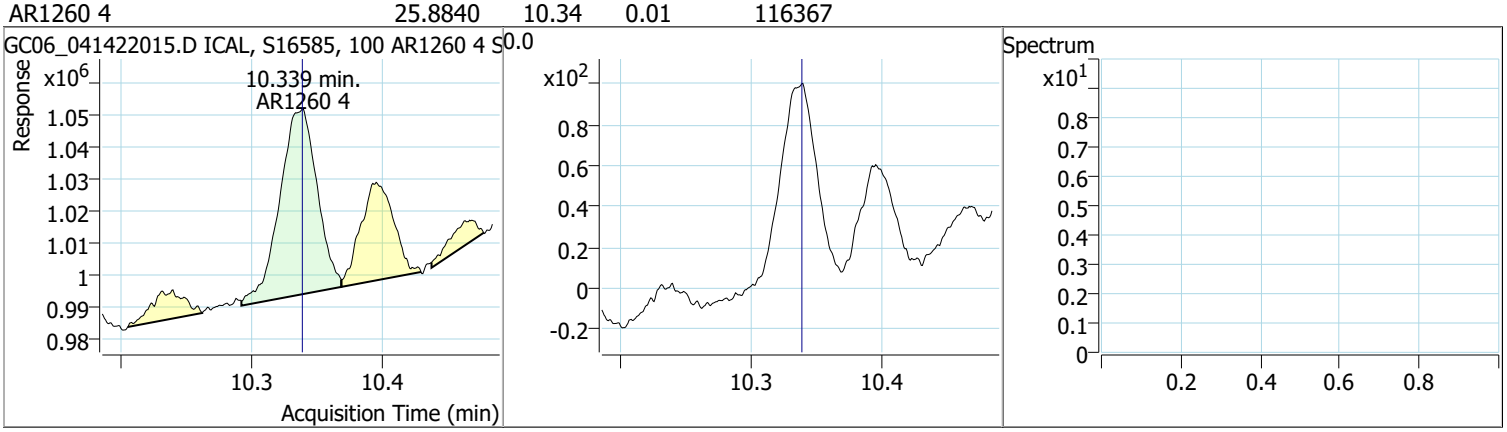
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	24.4637	9.76	0.00	221143			



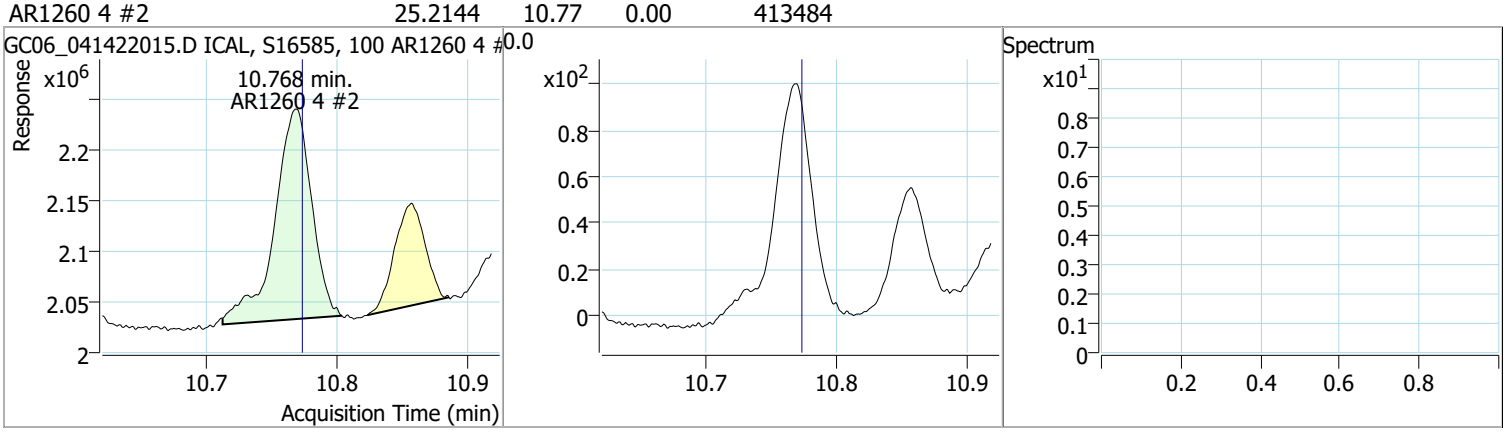
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	25.3537	10.24	0.00	768352			



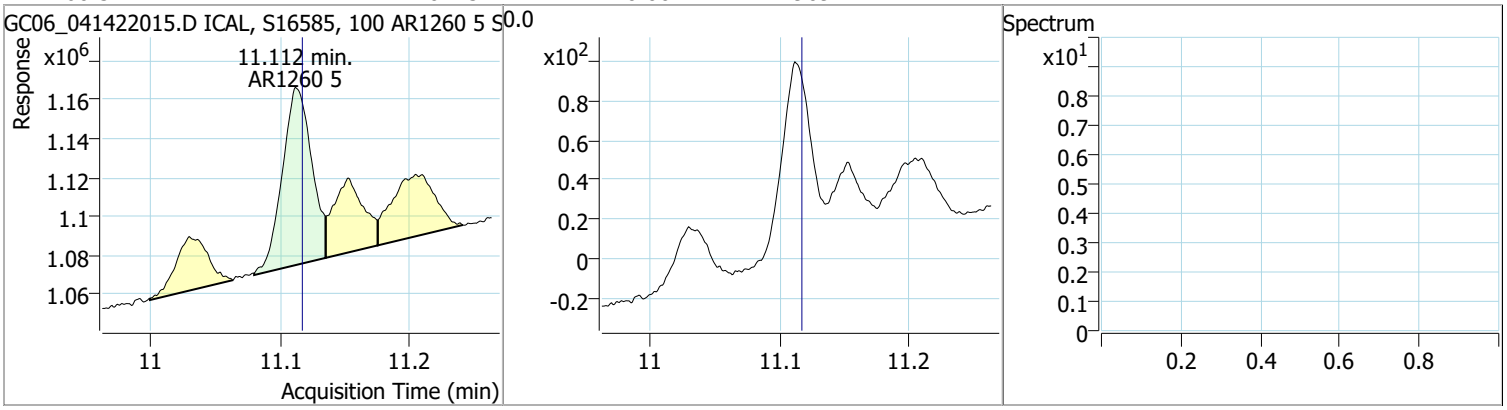
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	25.8840	10.34	0.01	116367			



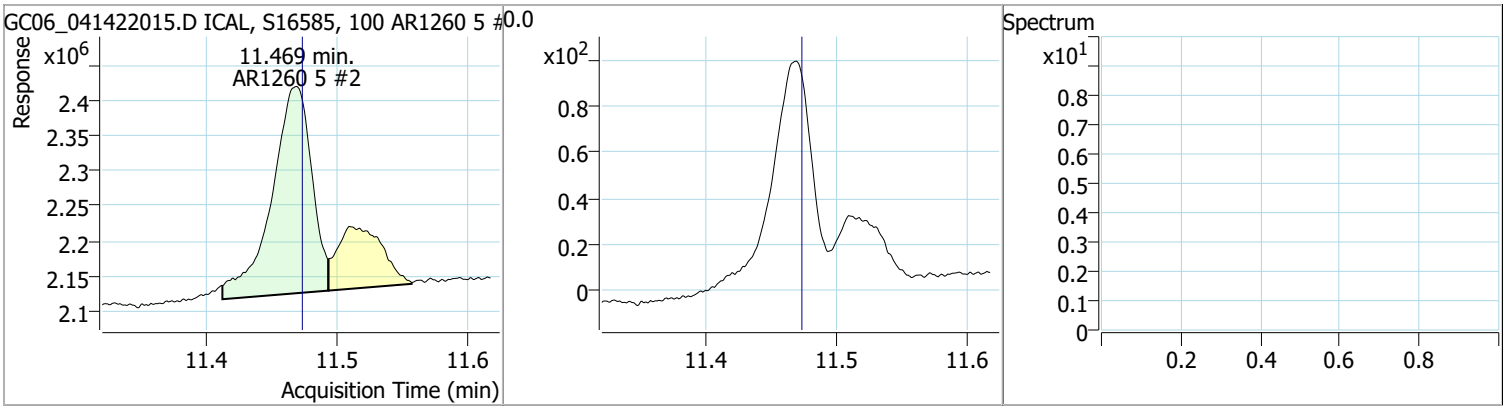
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	25.2144	10.77	0.00	413484			



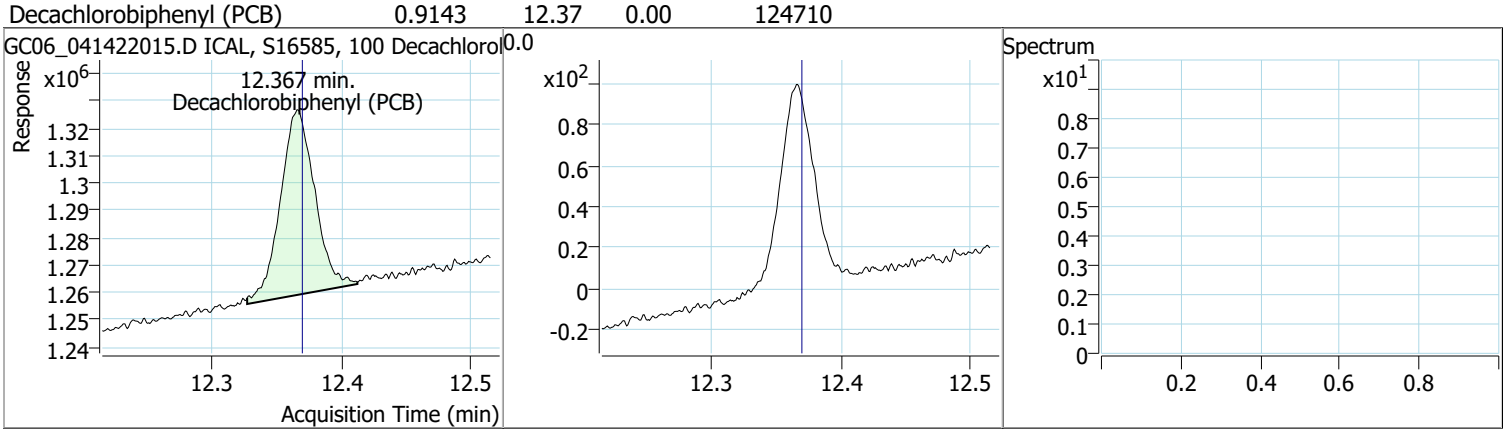
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	24.0175	11.11	0.00	142909			



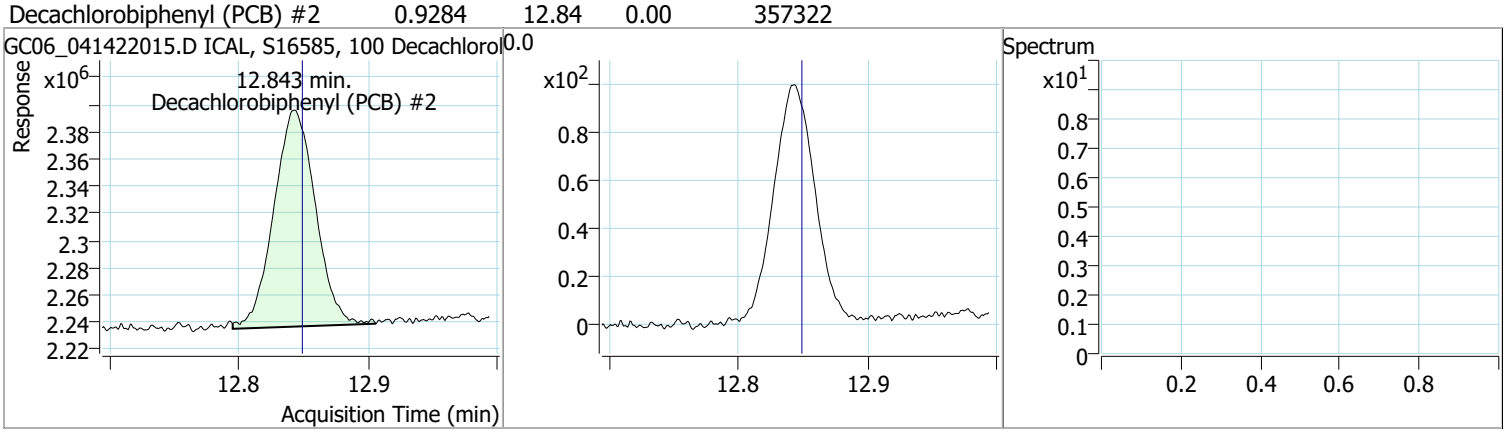
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	26.1482	11.47	0.00	632191			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	0.9143	12.37	0.00	124710			

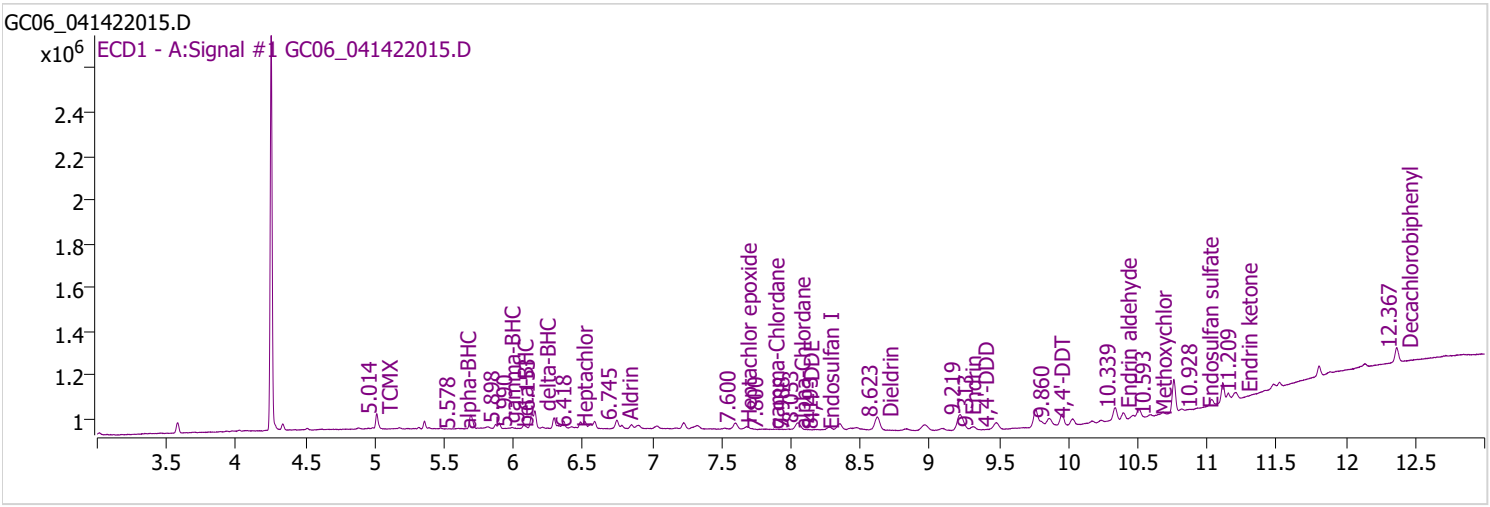


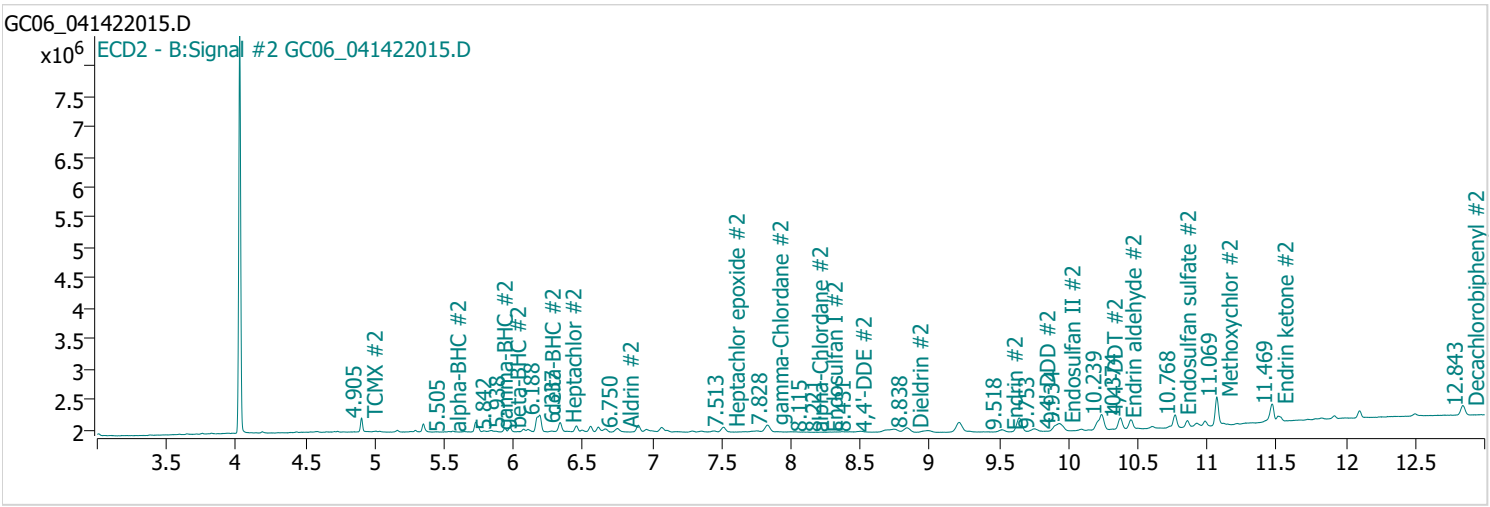
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	0.9284	12.84	0.00	357322			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422015.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 6:41:09 PM
Sample Name	ICAL, S16585, 100	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 111	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 6:55:24 PM



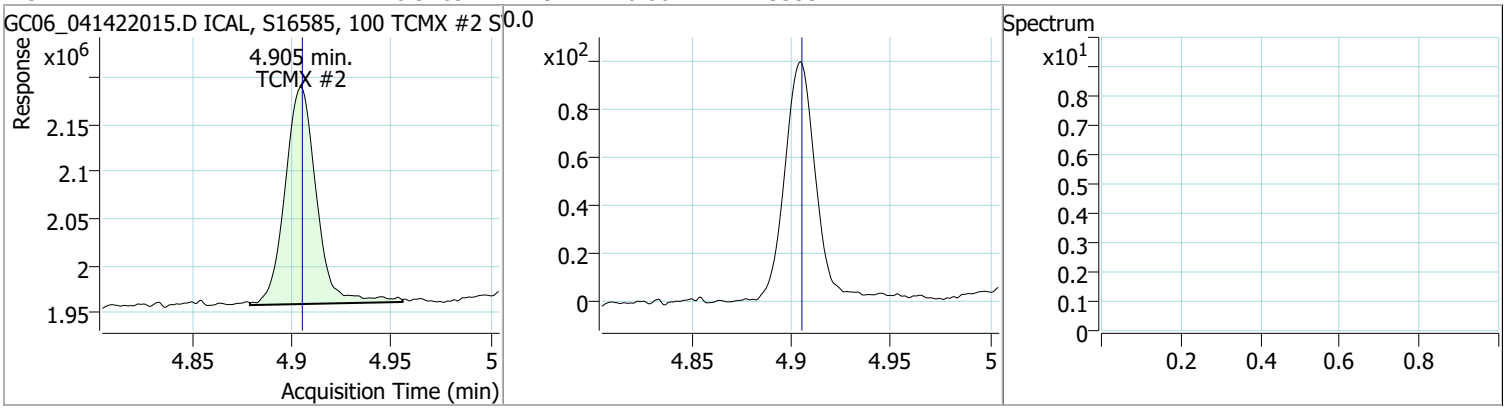


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.253	4.027	1774720	6352383	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.014	4.905	90330	253551	1.099	0.919	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	5.50% *	4.59% *	
S Decachlorobiphenyl	12.367	12.843	123436	345245	1.039	0.981	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	5.19% *	4.91% *	
Target Compounds							
T alpha-BHC	5.578	5.505	553	2637	0.006	0.008 #	ng/ml
T gamma-BHC	5.898	5.842	30350	51202	0.323	0.149 #	ng/ml
T beta-BHC	5.990	5.938	6611	76395	0.139	0.444 #	ng/ml
T delta-BHC	6.153	6.188	94954	669432	0.941	1.636 #	ng/ml
T Heptachlor	6.418	6.337	7750	264858	0.080	0.718 #	ng/ml
T Aldrin	6.745	6.750	65376	127208	0.686	0.353 #	ng/ml
T Heptachlor epoxide	7.600	7.513	54781	165853	0.587	0.506	ng/ml
T gamma-Chlordane	7.800	7.828	2517	258330	0.029	0.741 #	ng/ml
T alpha-Chlordane	7.988	8.115	2641	3581	0.031	0.012 #	ng/ml

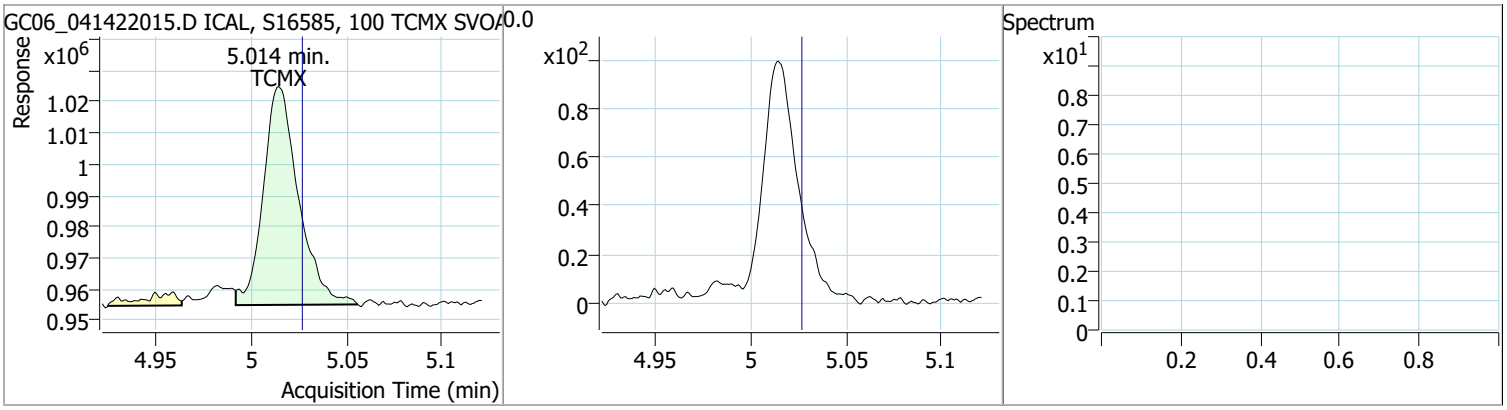
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.193	8.221	1453	1168	0.018	0.004 #	ng/ml
T 4,4'-DDE	8.053	8.431	80424	1178	0.957	0.004 #	ng/ml
T Dieldrin	8.623	8.838	157673	177695	1.679	0.574 #	ng/ml
T Endrin	9.219	9.518	234737	105500	2.650	0.376 #	ng/ml
T 4,4'-DDD	9.313	9.753	24757	119452	0.391	0.480	ng/ml
T Endosulfan II	----	9.934 f	0	542724	N.D.	1.744 #	ng/ml
T 4,4'-DDT	9.860	10.239	77219	762866	0.990	2.406 #	ng/ml
T Endrin aldehyde	10.339	10.374	31868	366941	0.499	1.596 #	ng/ml
T Endosulfan sulfate	10.928	10.768	3135	395804	0.041	1.508 #	ng/ml
T Methoxychlor	10.593	11.069 f	14377	843779	0.298	5.159 #	ng/ml
T Endrin ketone	11.209	11.469 f	48846	729349	0.509	2.166 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

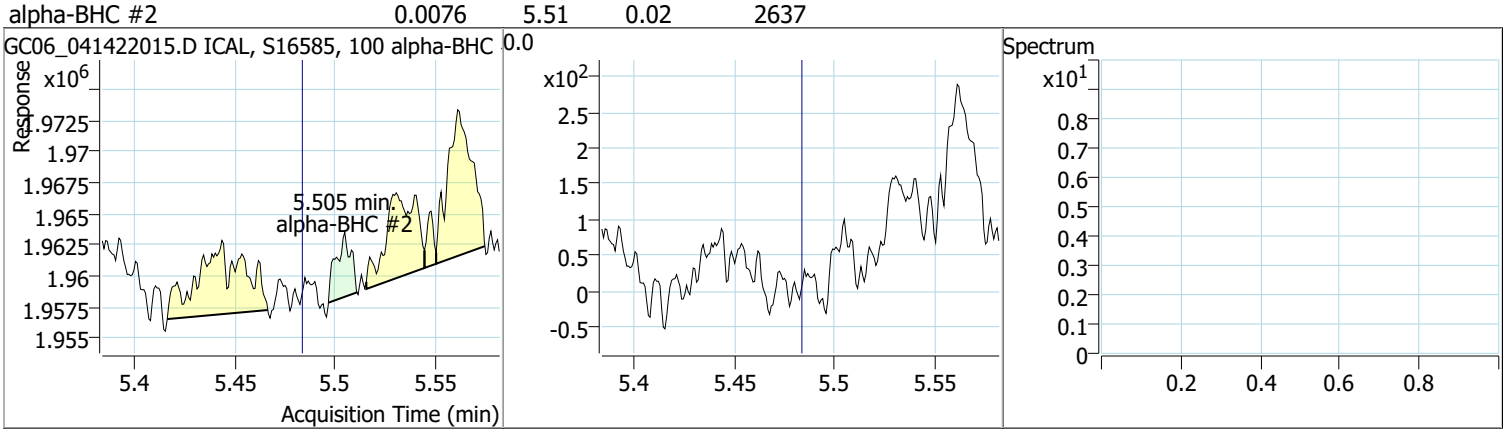
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	0.9189	4.91	0.00	253551			



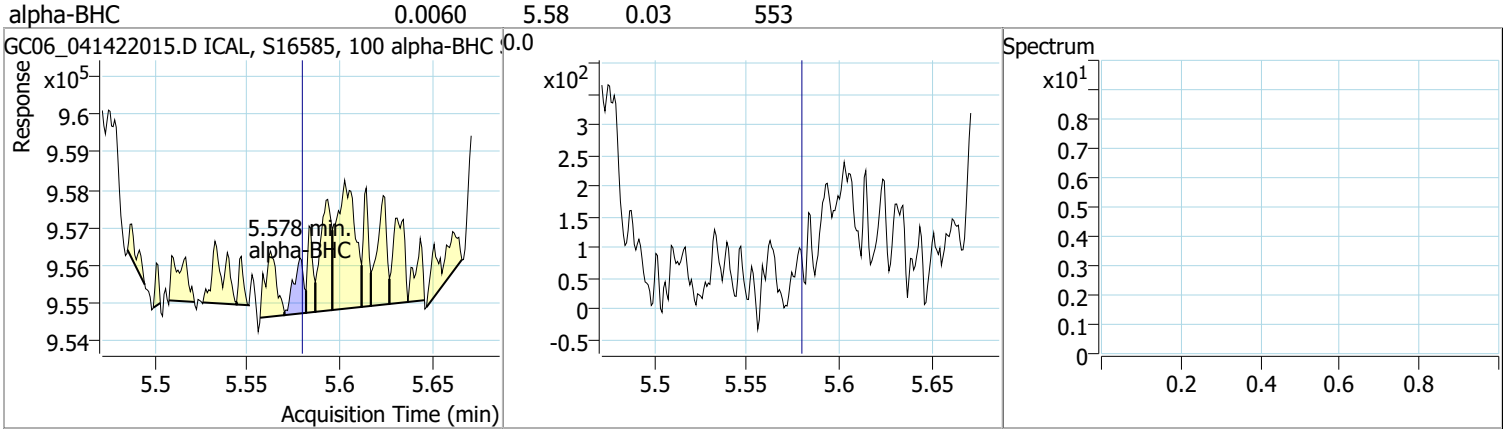
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	1.0990	5.01	0.02	90330			



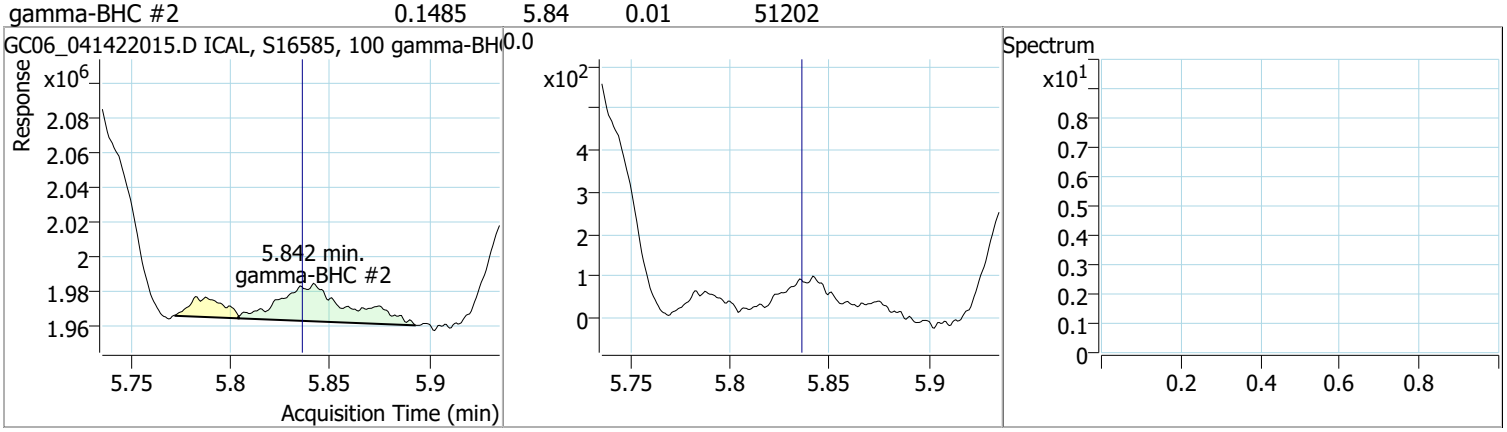
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	0.0076	5.51	0.02	2637			



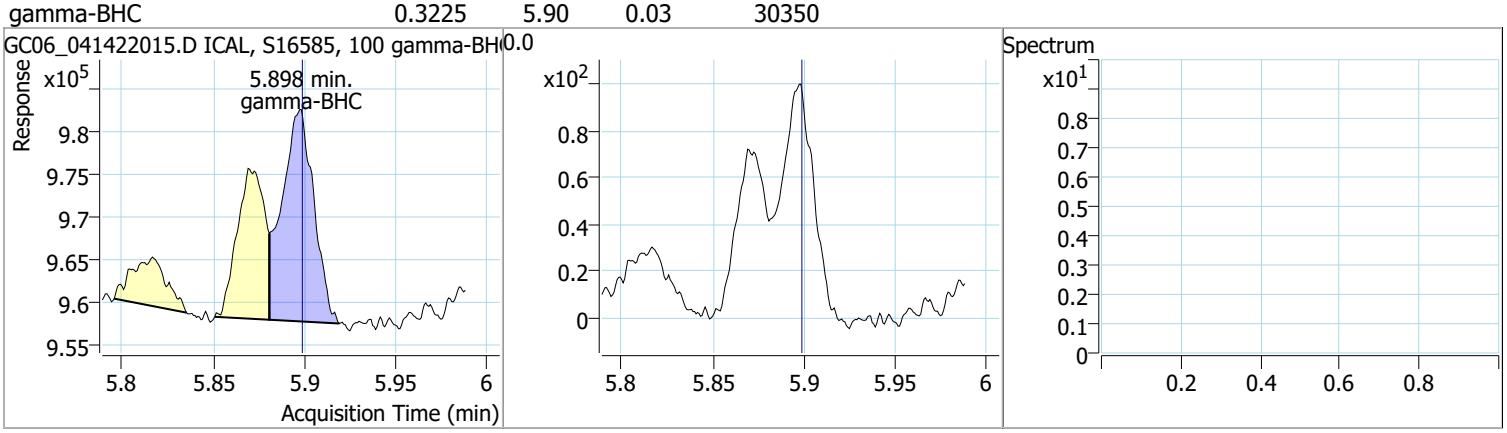
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC	0.0060	5.58	0.03	553			



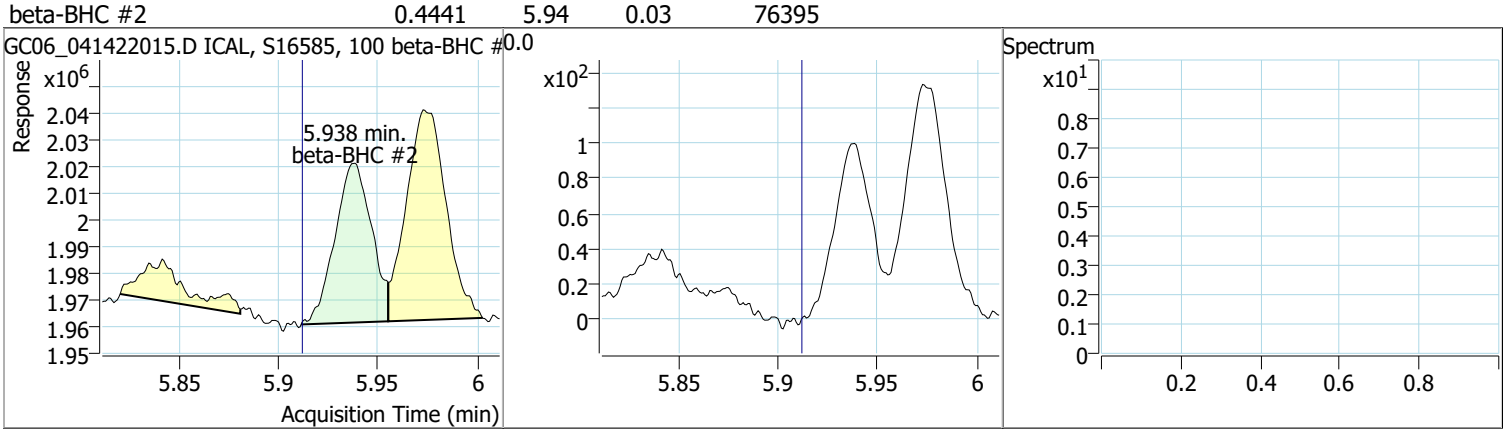
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	0.1485	5.84	0.01	51202			



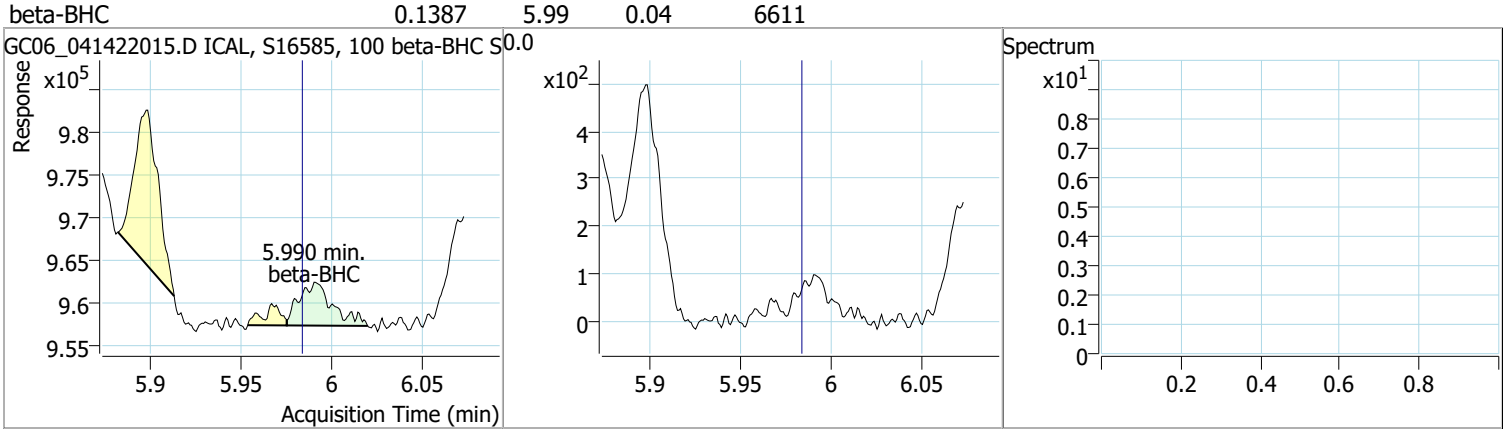
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	0.3225	5.90	0.03	30350			



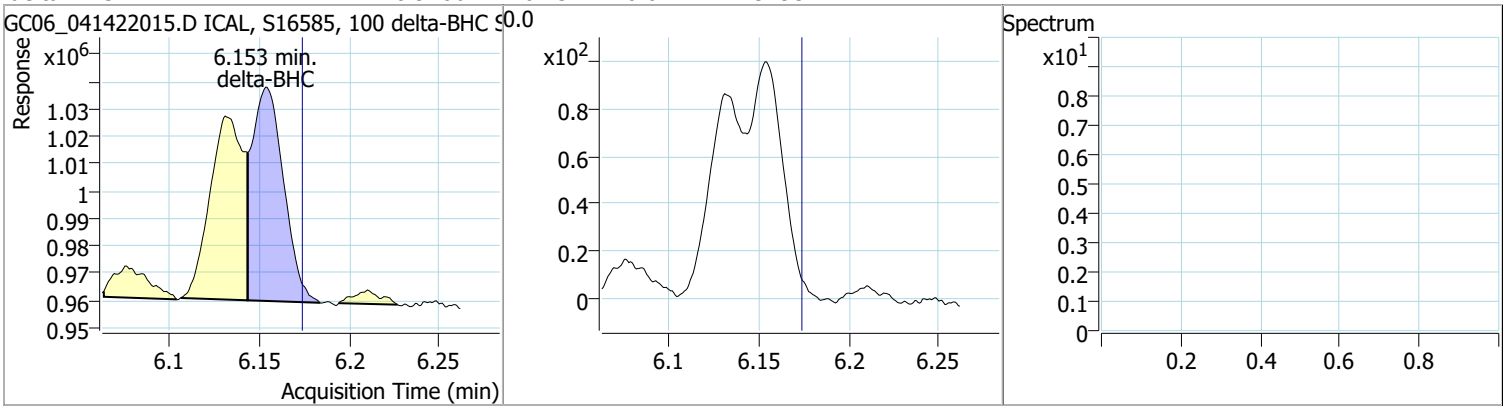
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	0.4441	5.94	0.03	76395			



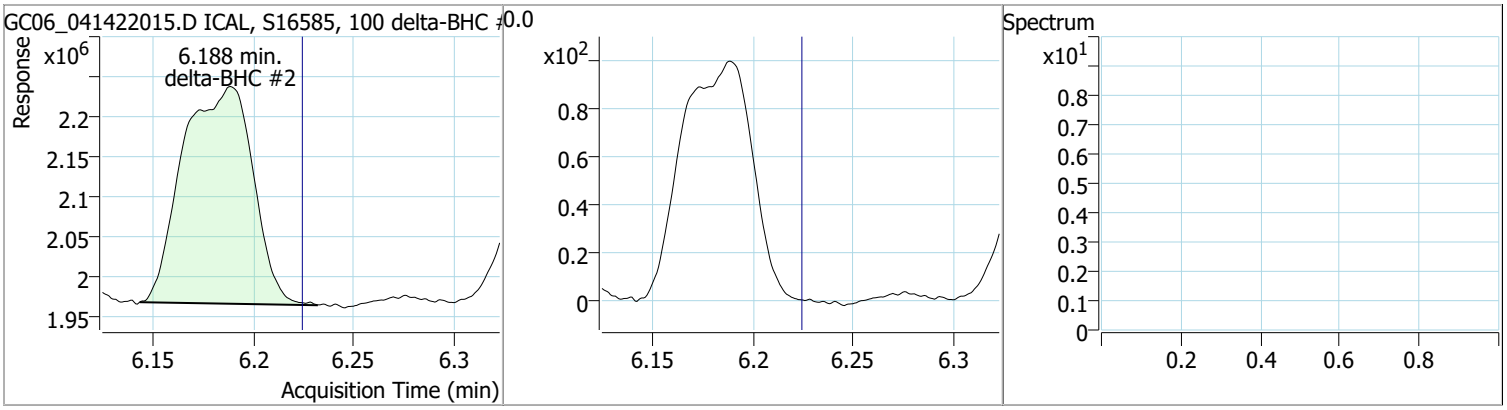
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	0.1387	5.99	0.04	6611			



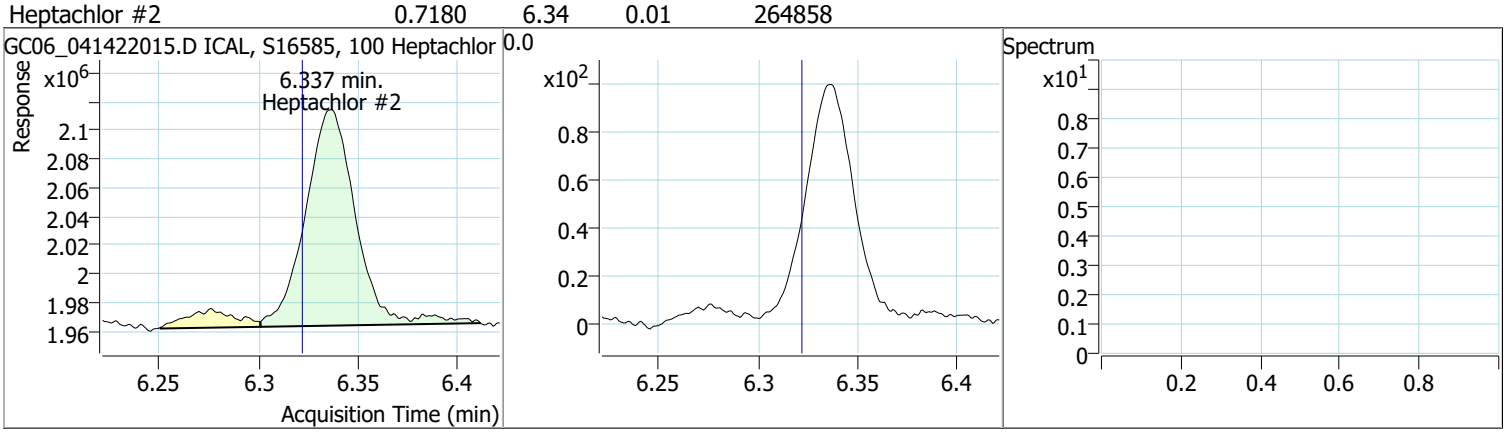
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	0.9406	6.15	0.01	94954			



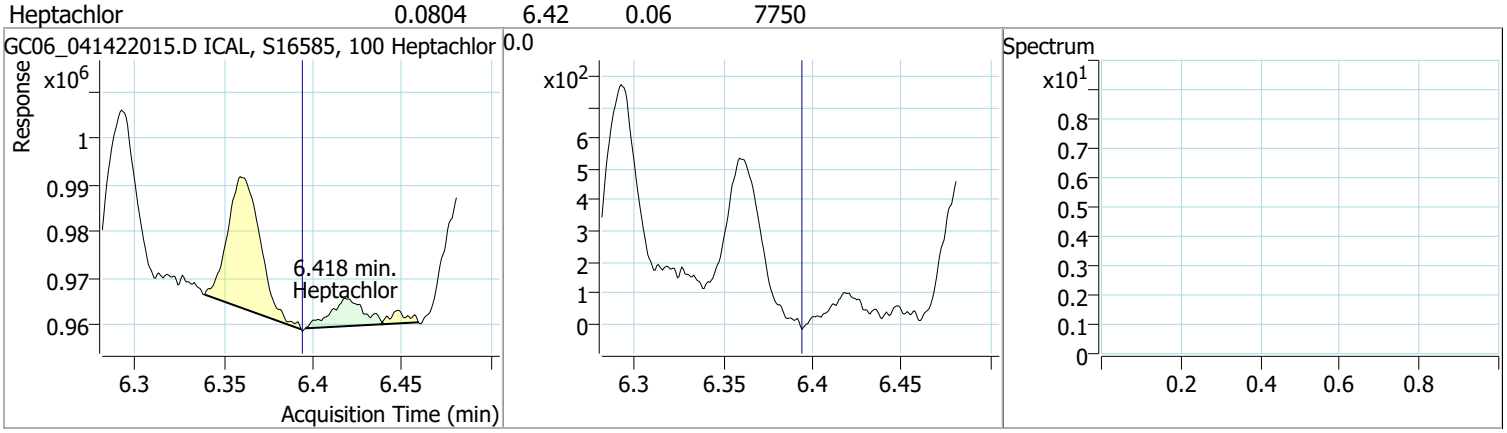
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	1.6364	6.19	-0.04	669432			



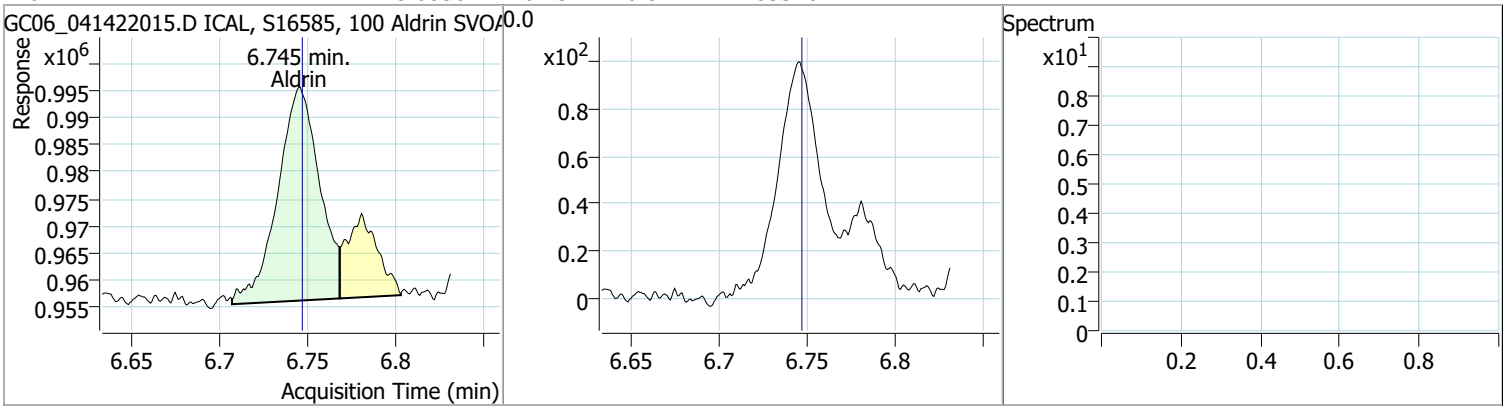
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	0.7180	6.34	0.01	264858			



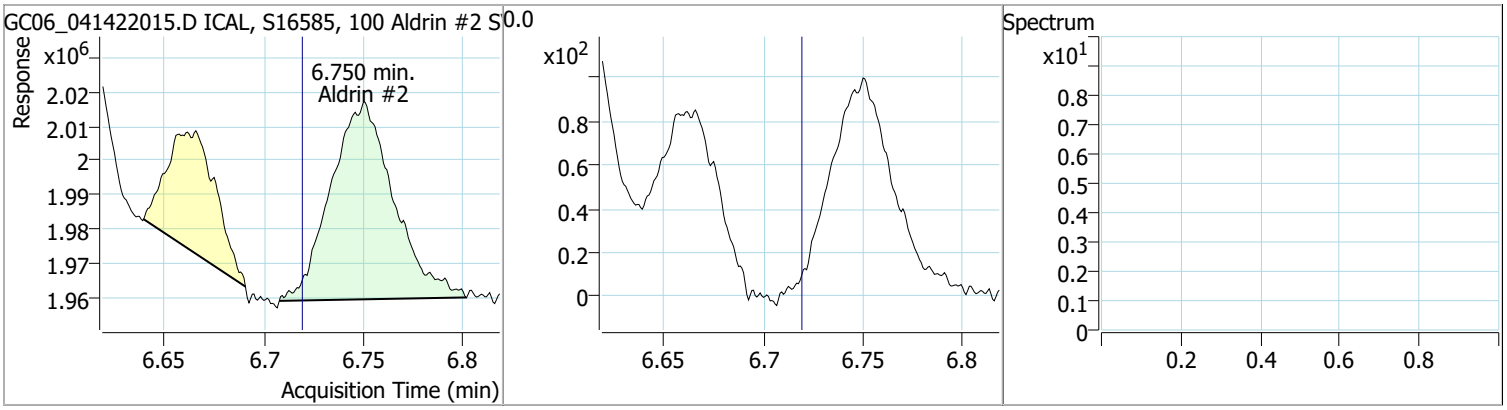
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	0.0804	6.42	0.06	7750			



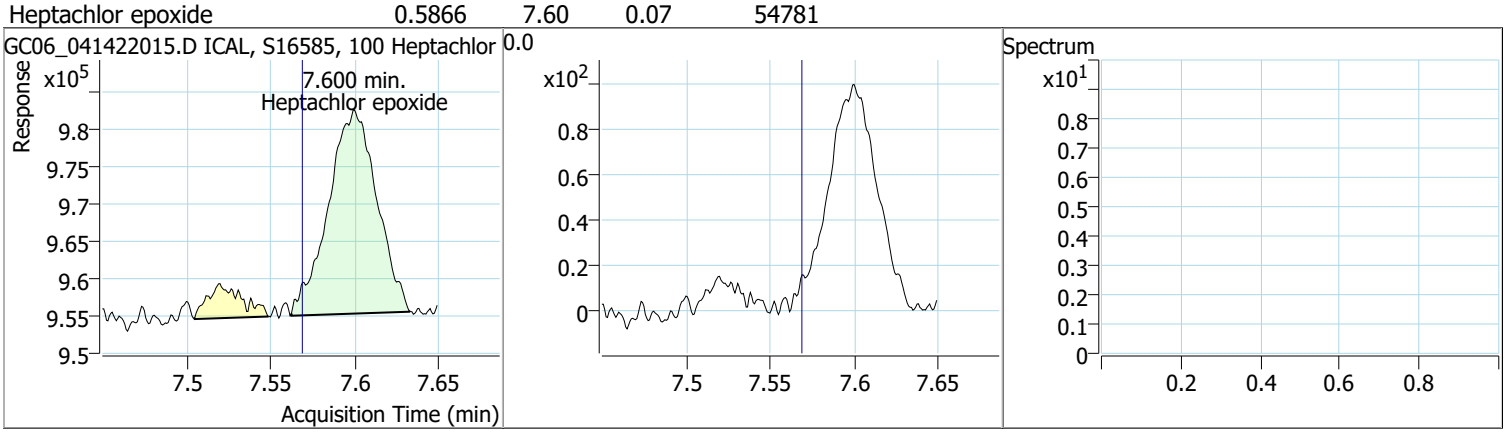
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	0.6856	6.75	0.04	65376			



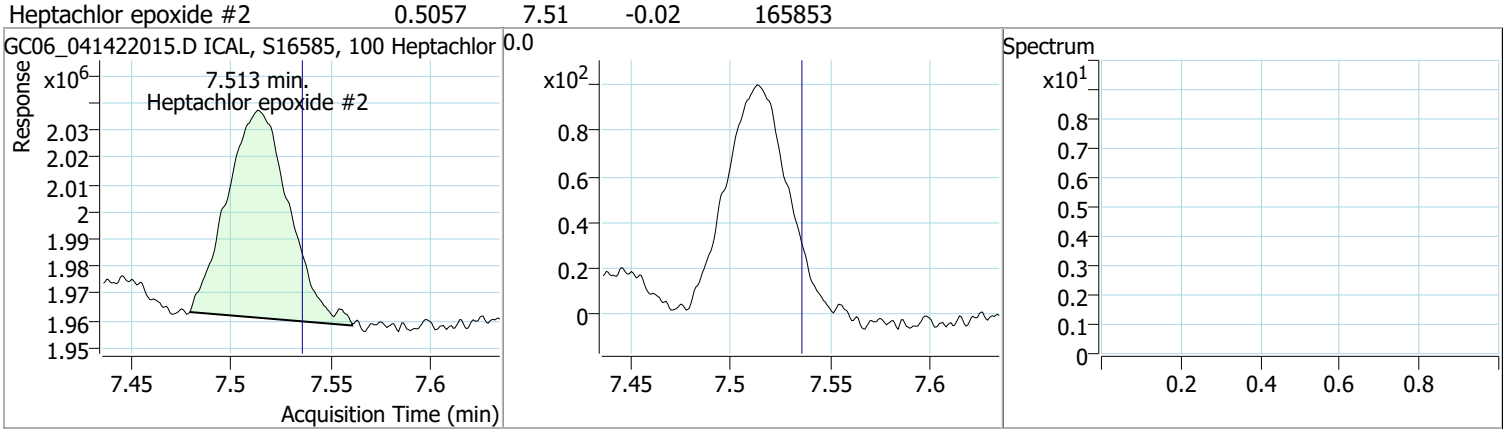
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	0.3529	6.75	0.03	127208			



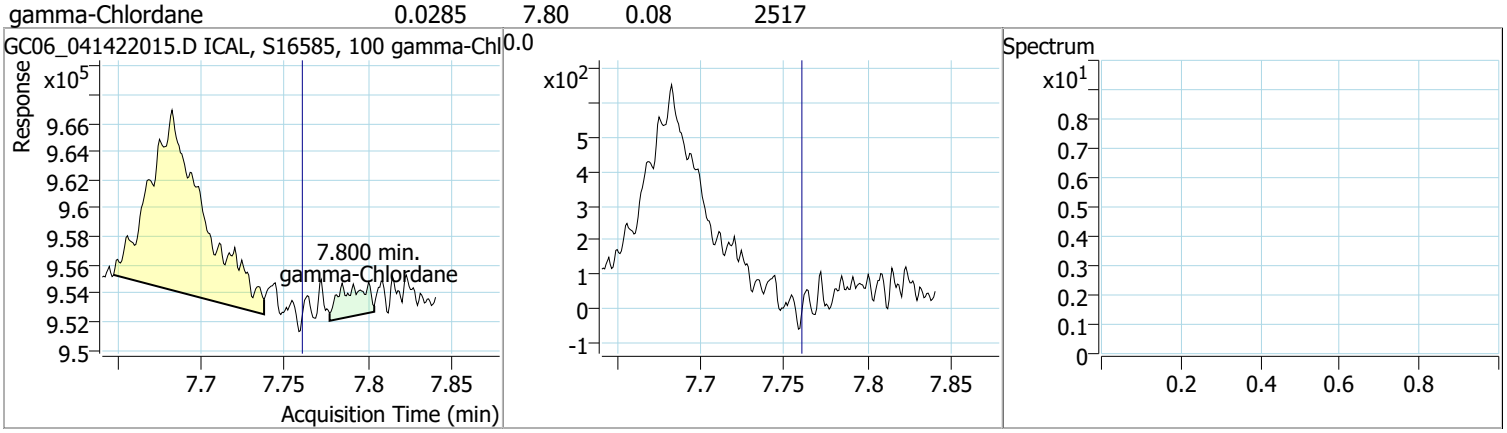
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	0.5866	7.60	0.07	54781			



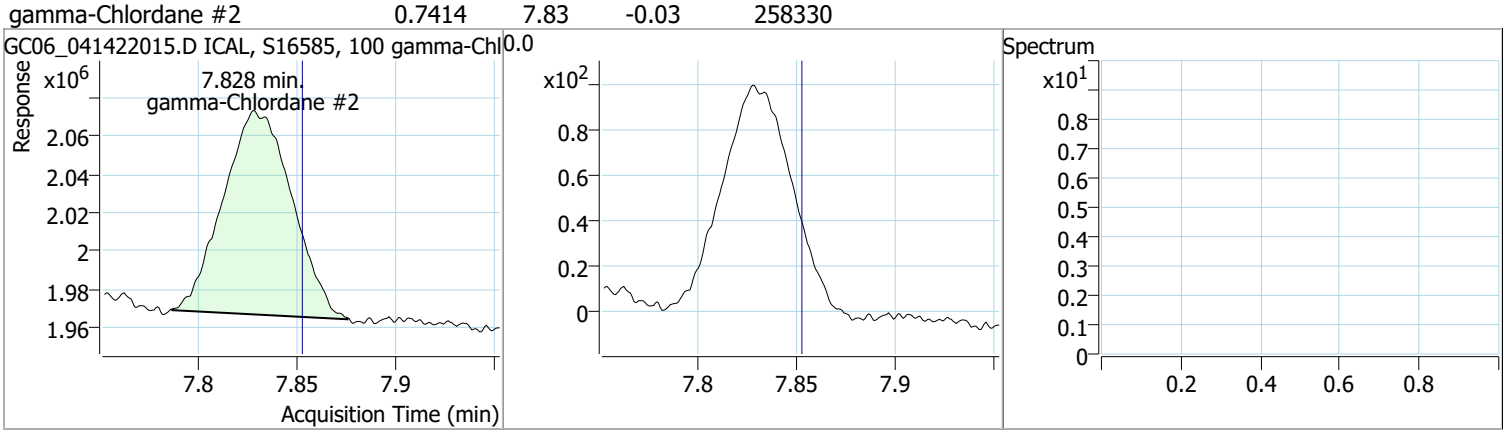
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	0.5057	7.51	-0.02	165853			



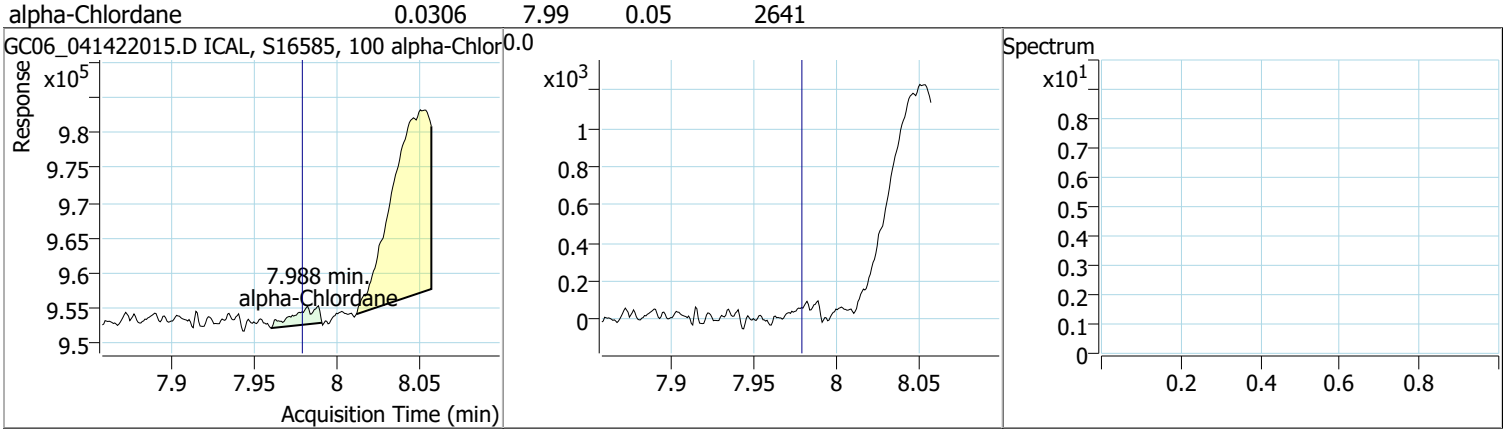
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.0285	7.80	0.08	2517			



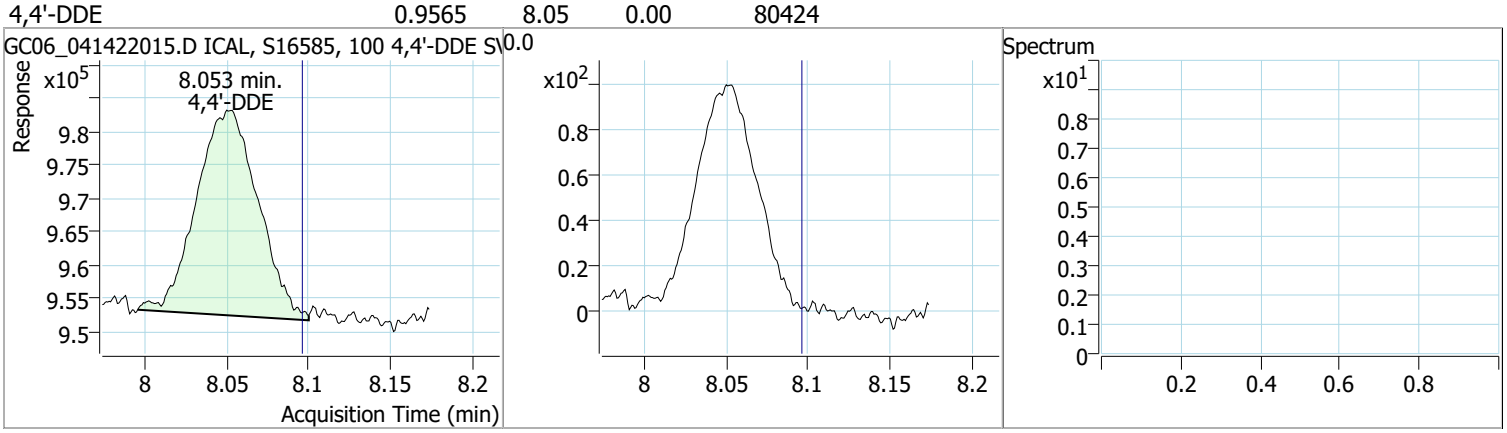
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	0.7414	7.83	-0.03	258330			



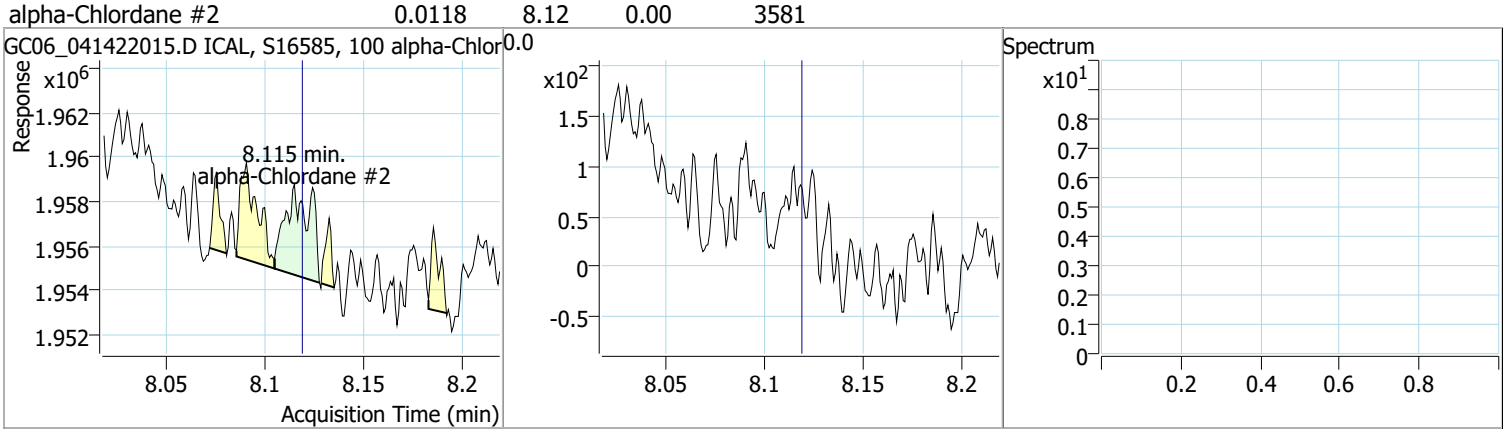
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	0.0306	7.99	0.05	2641			



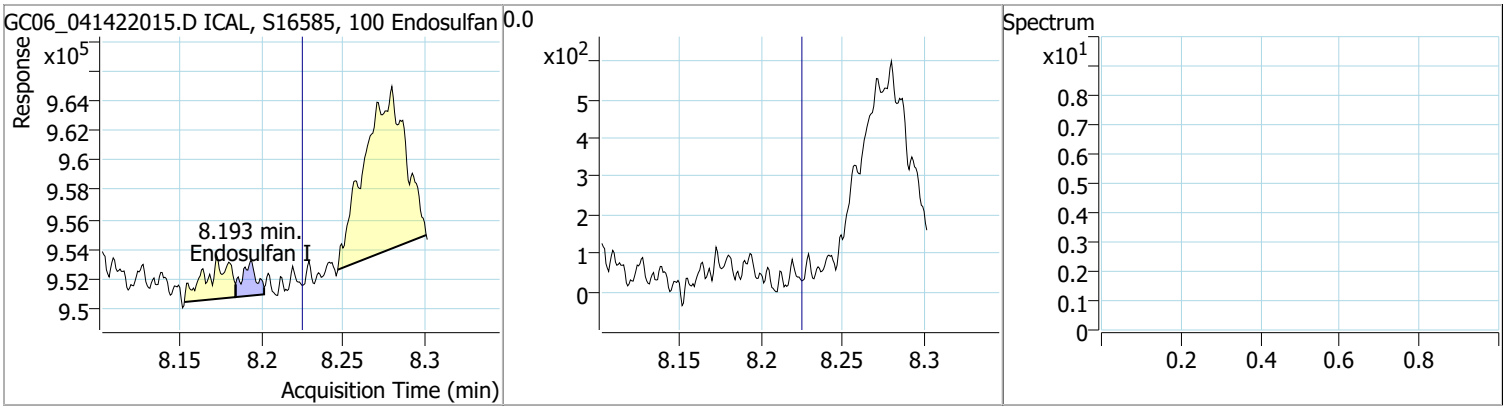
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	0.9565	8.05	0.00	80424			



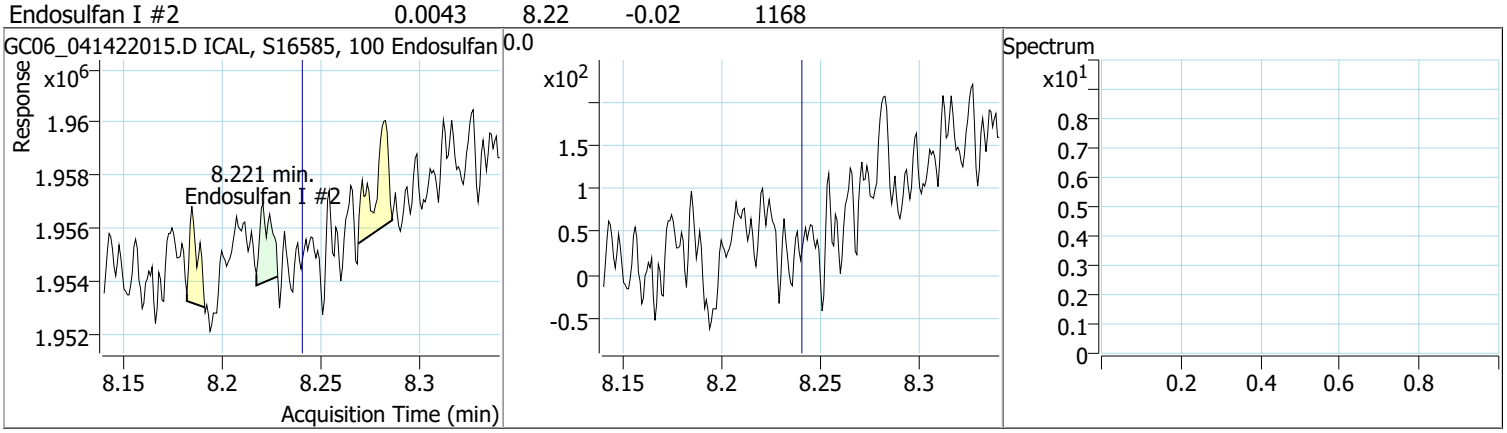
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane #2	0.0118	8.12	0.00	3581			



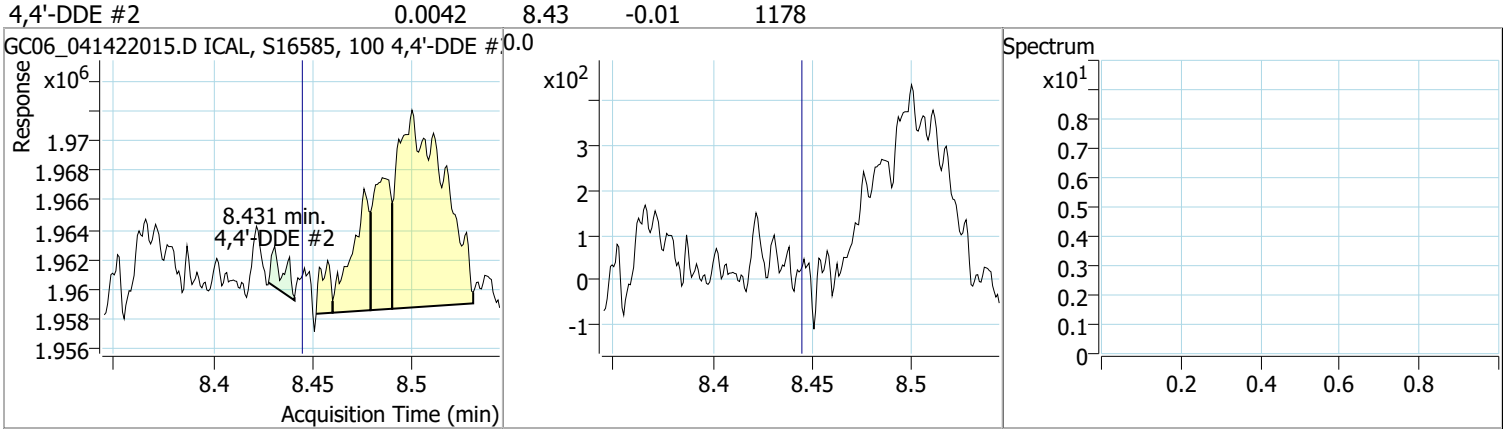
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	0.0184	8.19	0.01	1453			



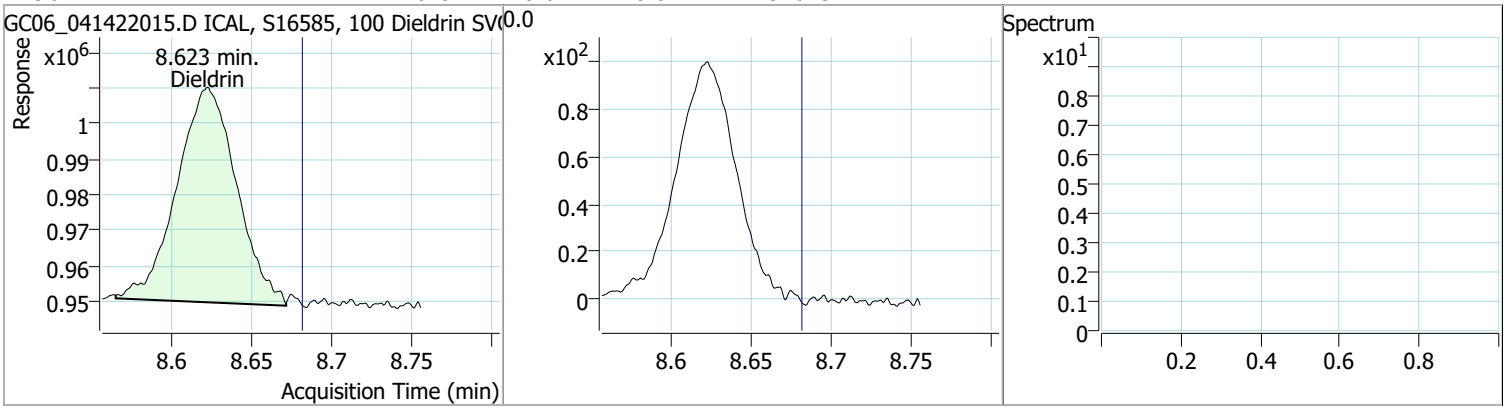
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I #2	0.0043	8.22	-0.02	1168			



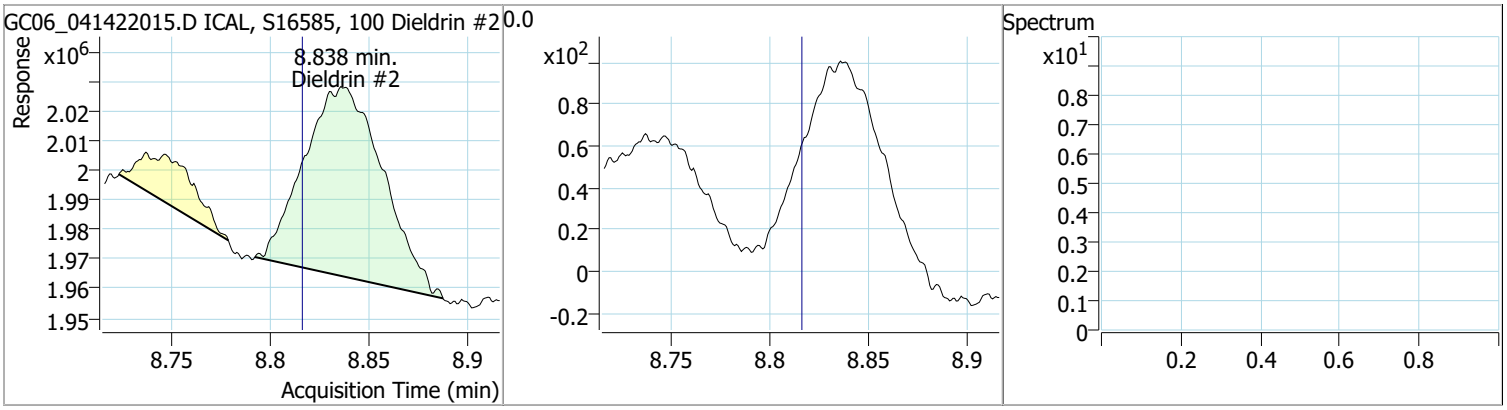
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	0.0042	8.43	-0.01	1178			



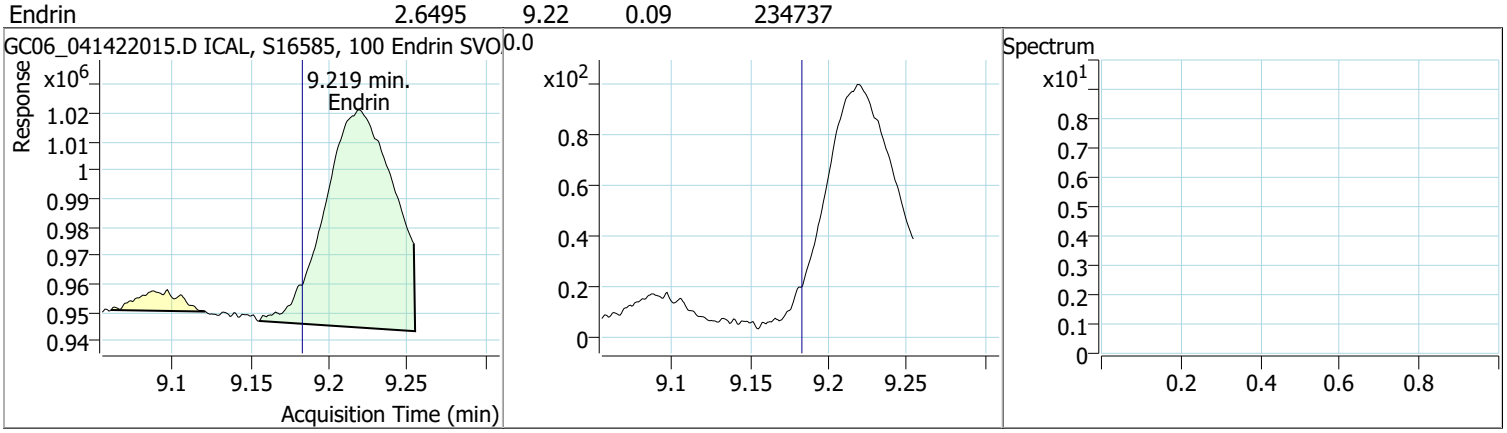
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin	1.6791	8.62	-0.01	157673			



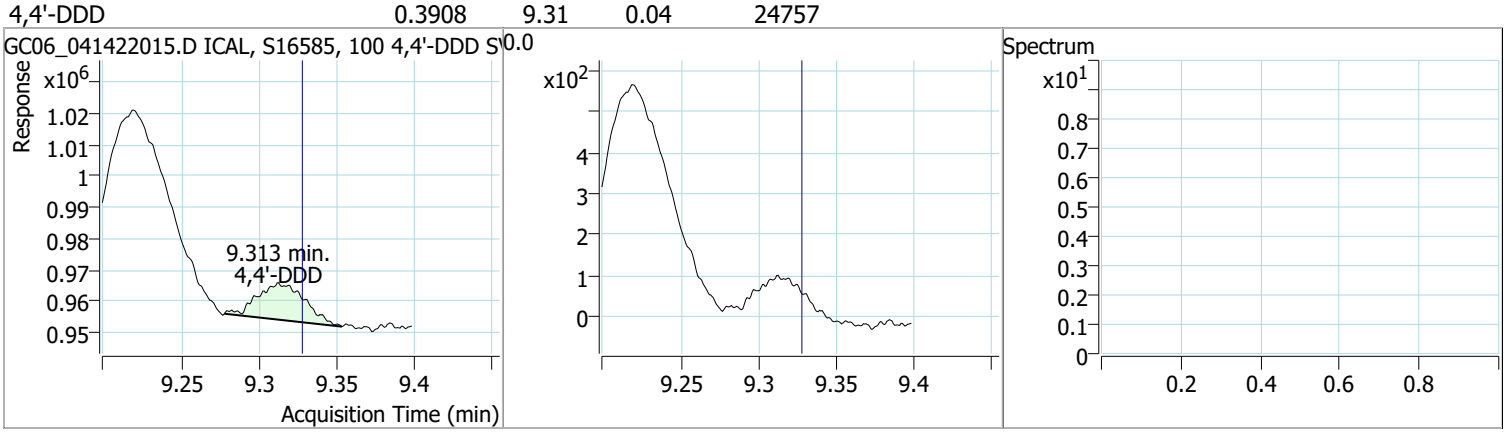
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	0.5745	8.84	0.02	177695			



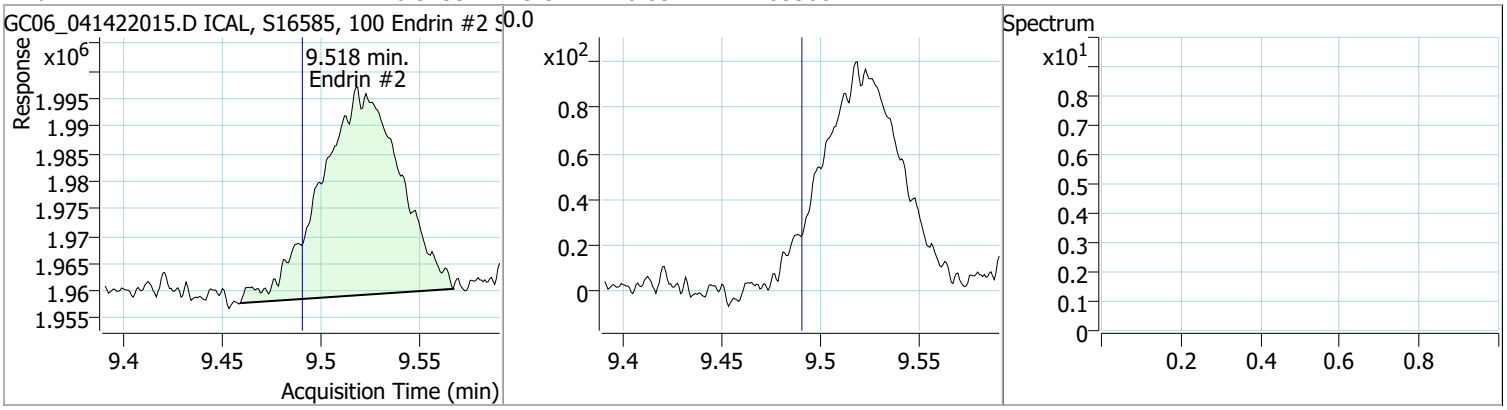
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin	2.6495	9.22	0.09	234737			



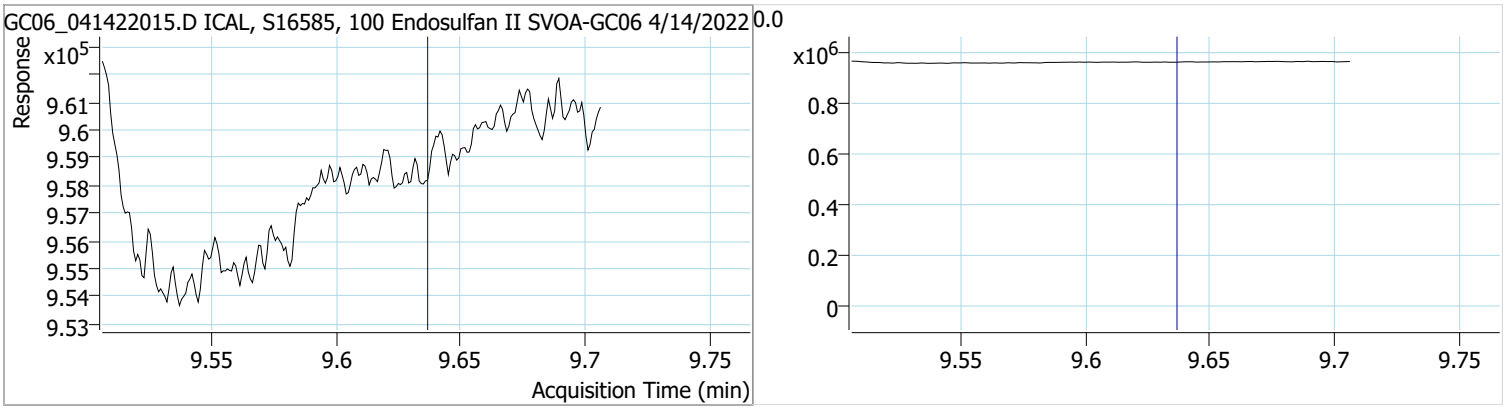
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	0.3908	9.31	0.04	24757			



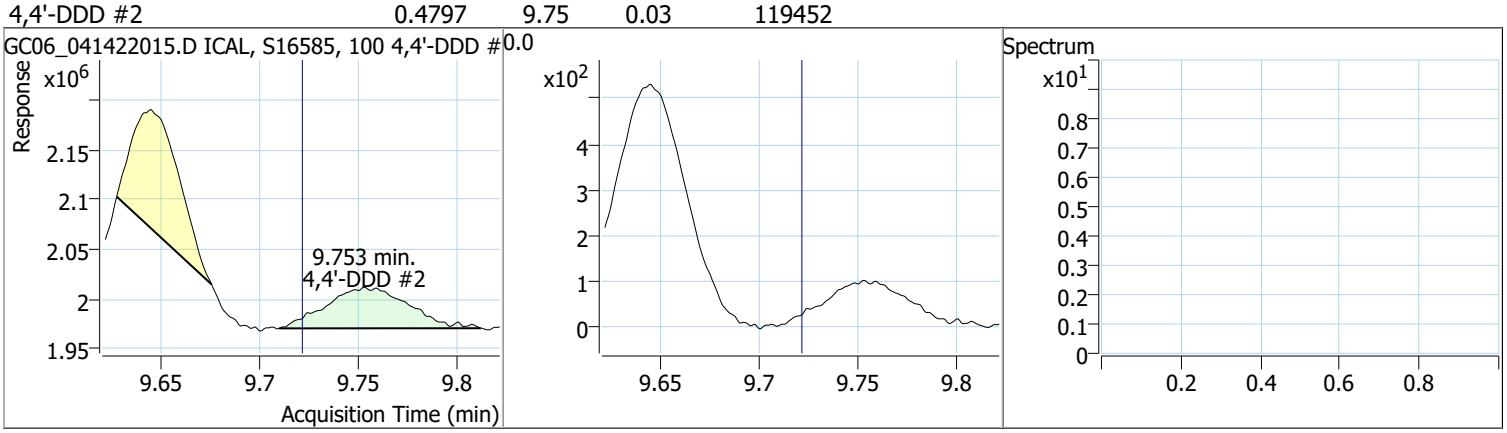
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin #2	0.3755	9.52	0.03	105500			



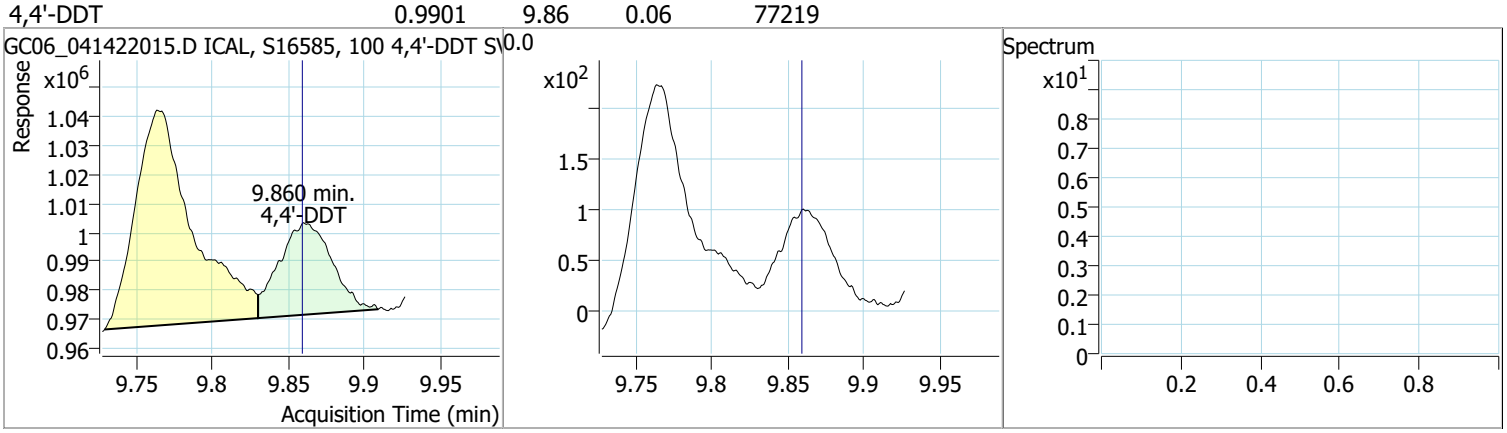
Compound	Conc.		Exp Ratio
Endosulfan II	N.D.	9.58	



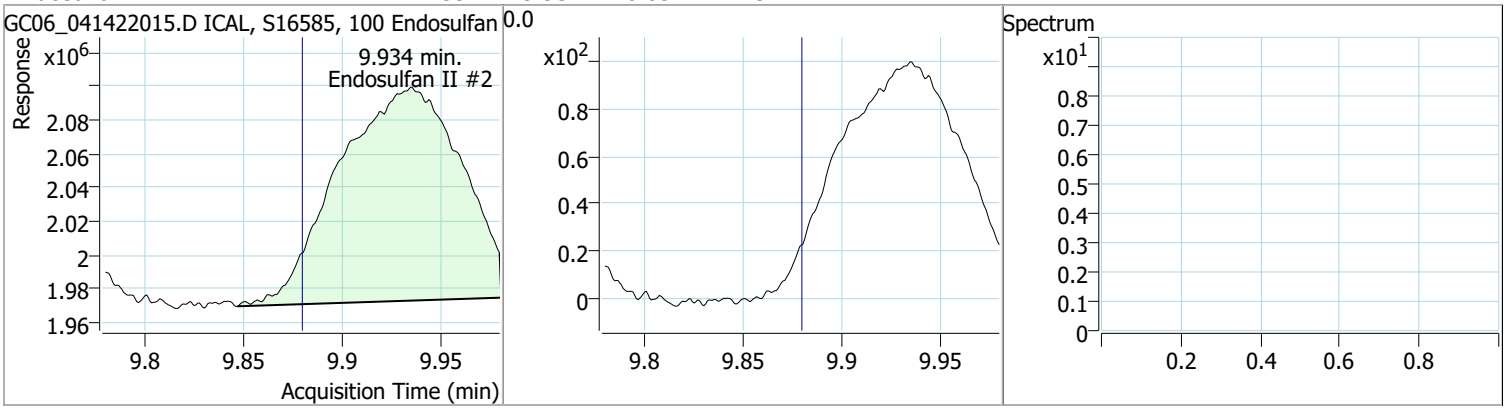
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	0.4797	9.75	0.03	119452			



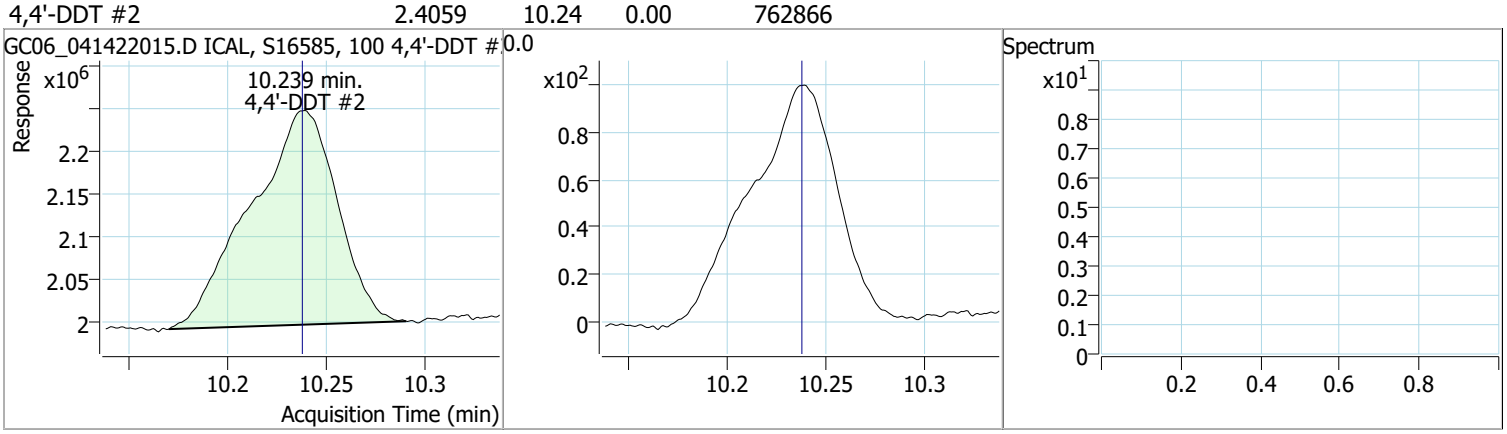
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	0.9901	9.86	0.06	77219			



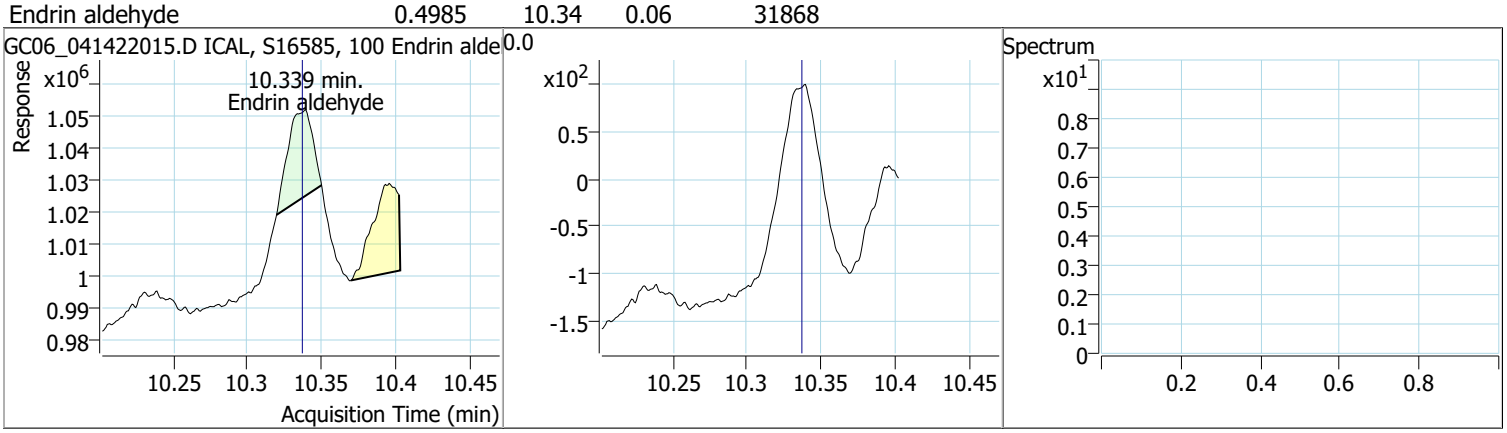
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	1.7435	9.93	0.05	542724			



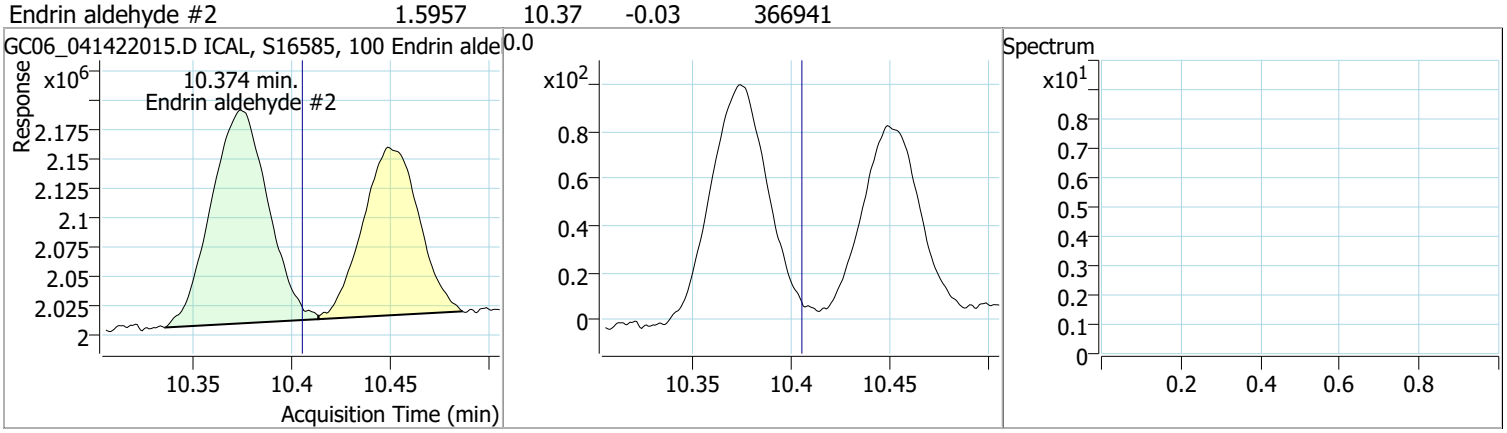
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	2.4059	10.24	0.00	762866			



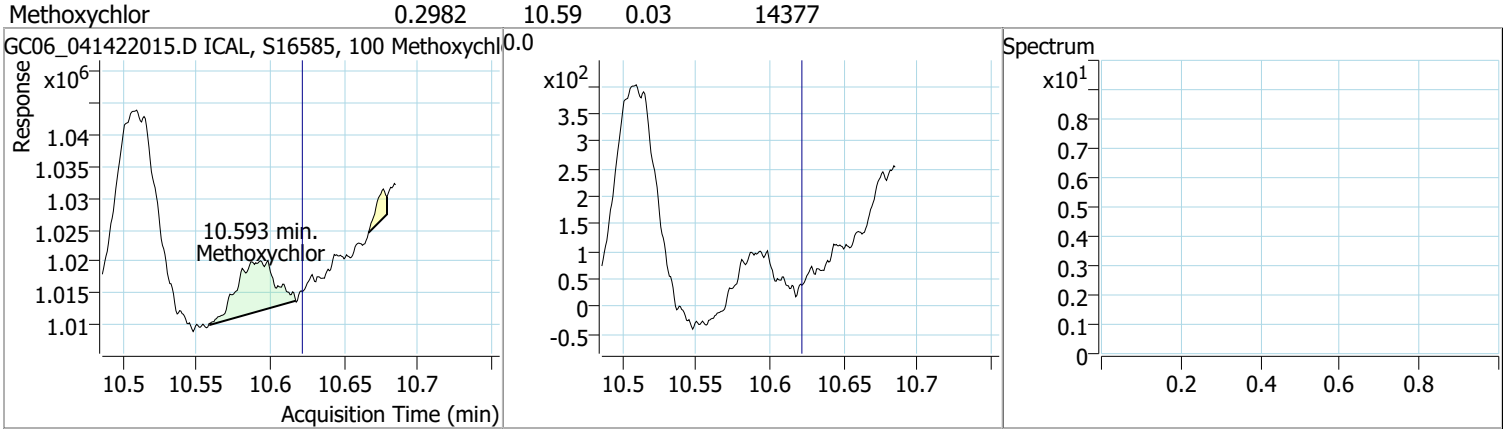
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	0.4985	10.34	0.06	31868			



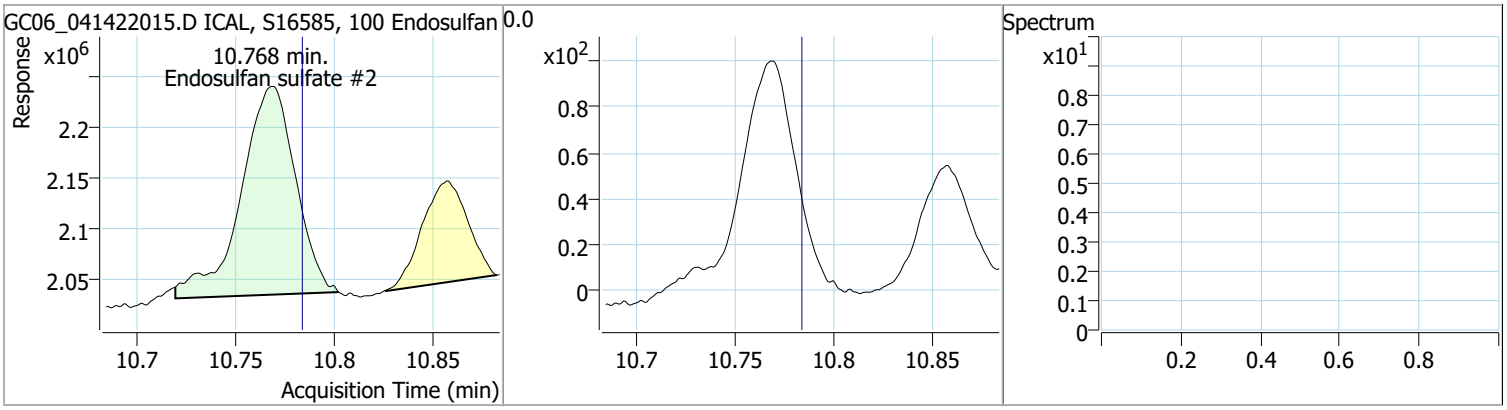
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	1.5957	10.37	-0.03	366941			



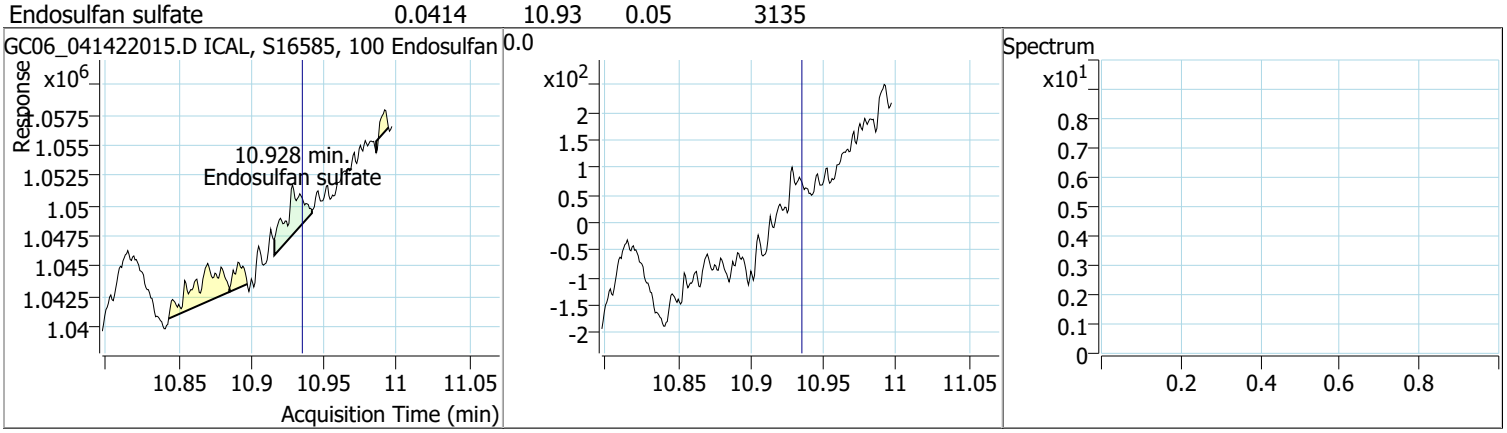
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	0.2982	10.59	0.03	14377			



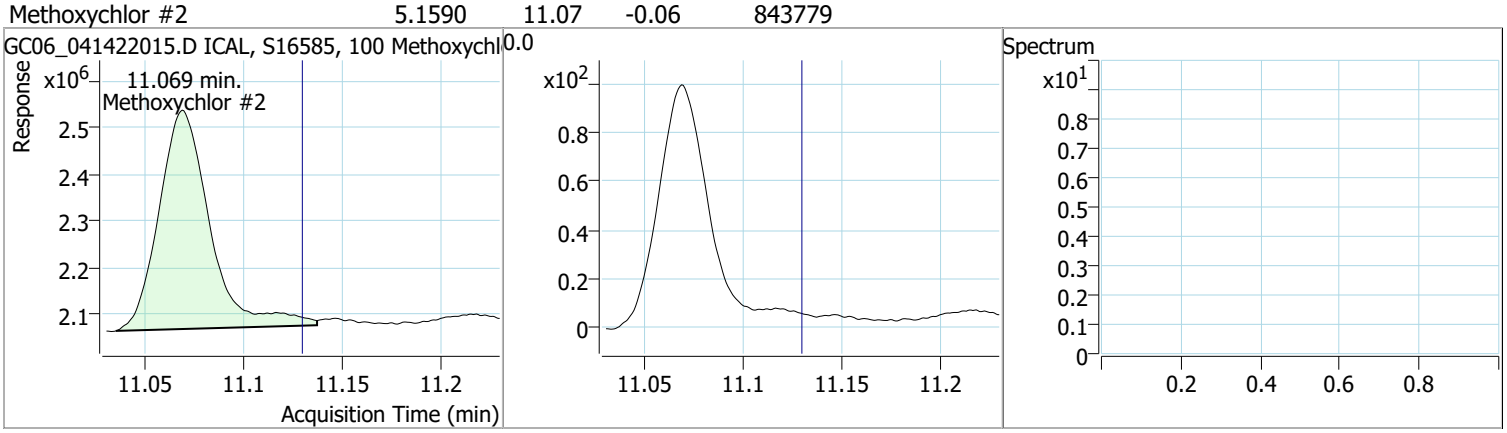
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	1.5080	10.77	-0.02	395804			



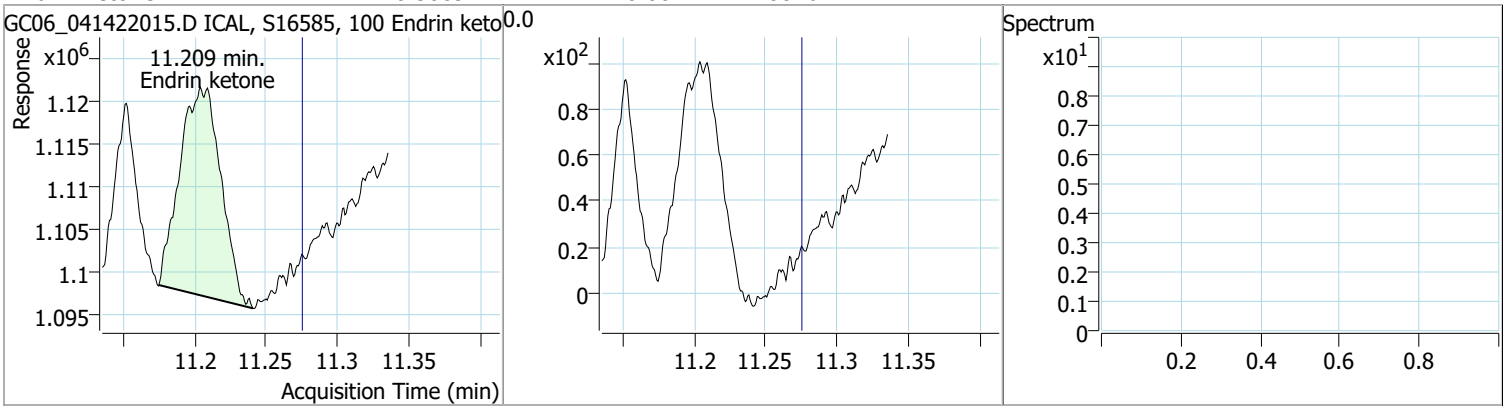
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	0.0414	10.93	0.05	3135			



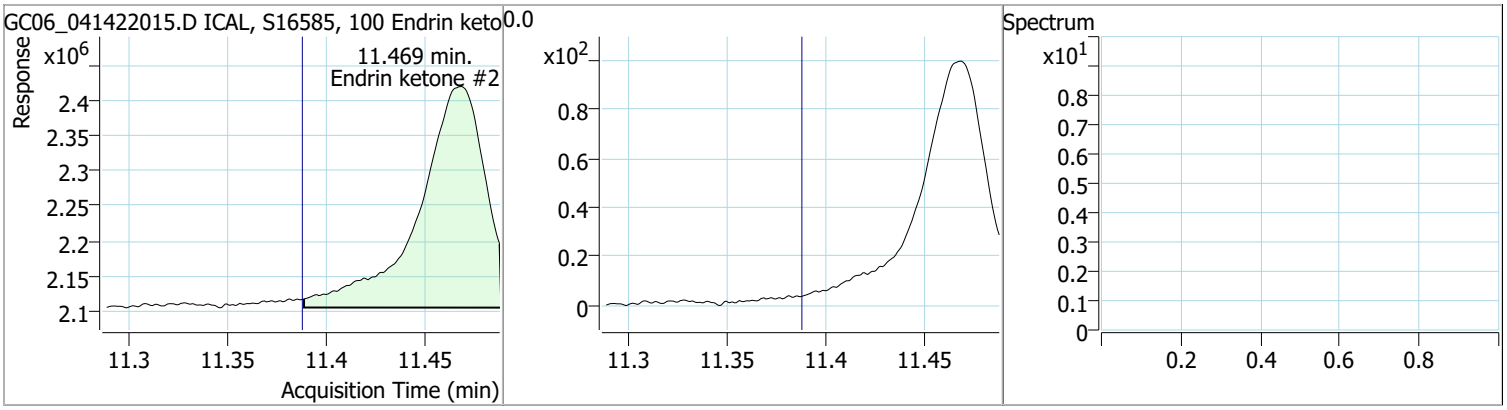
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	5.1590	11.07	-0.06	843779			



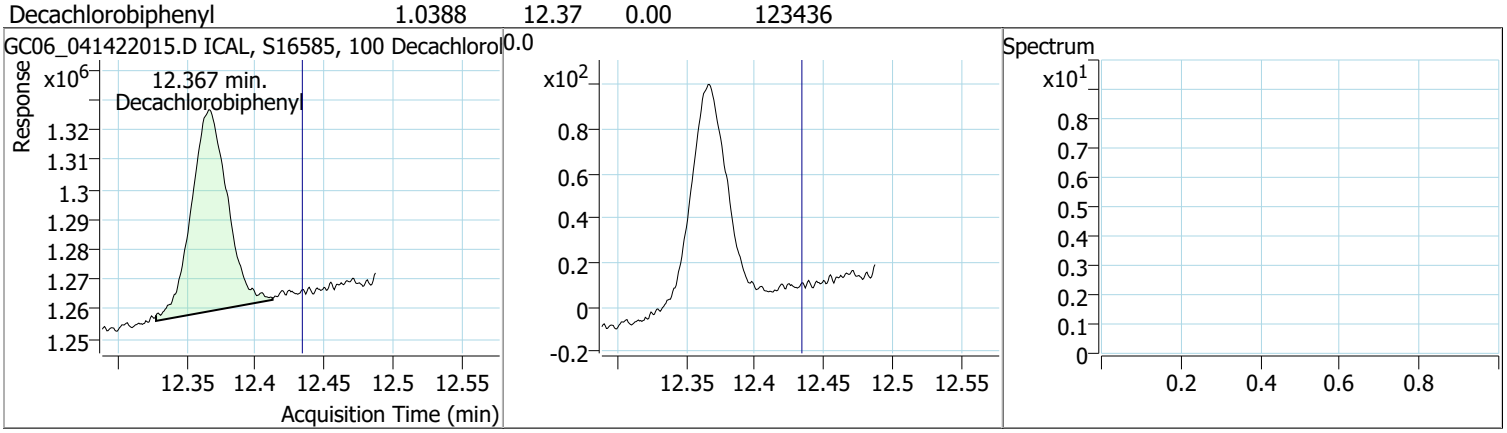
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	0.5089	11.21	0.00	48846			



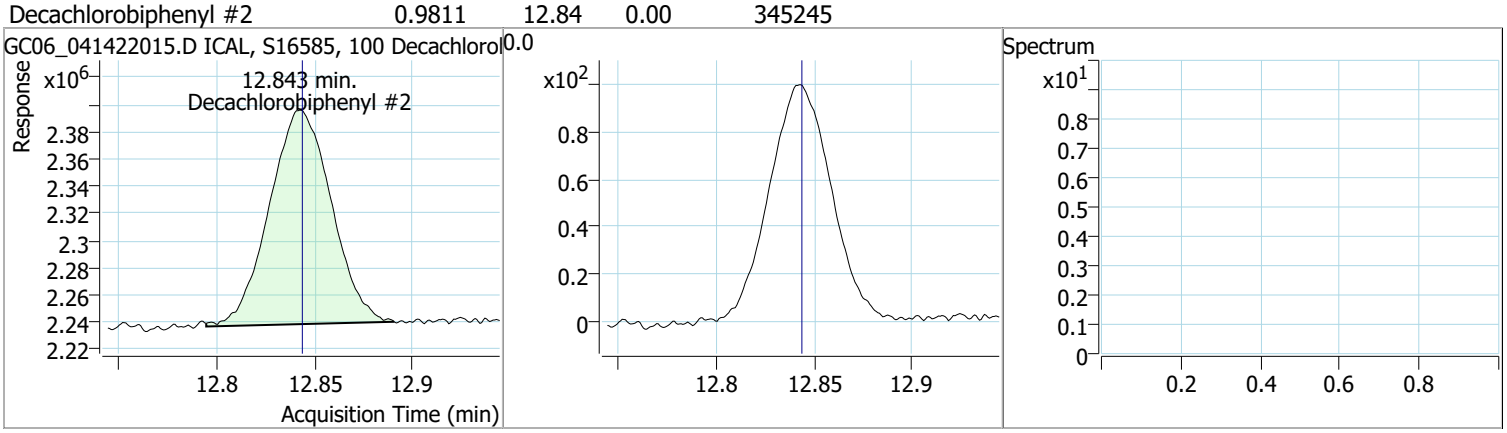
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	2.1658	11.47	0.08	729349			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	1.0388	12.37	0.00	123436			

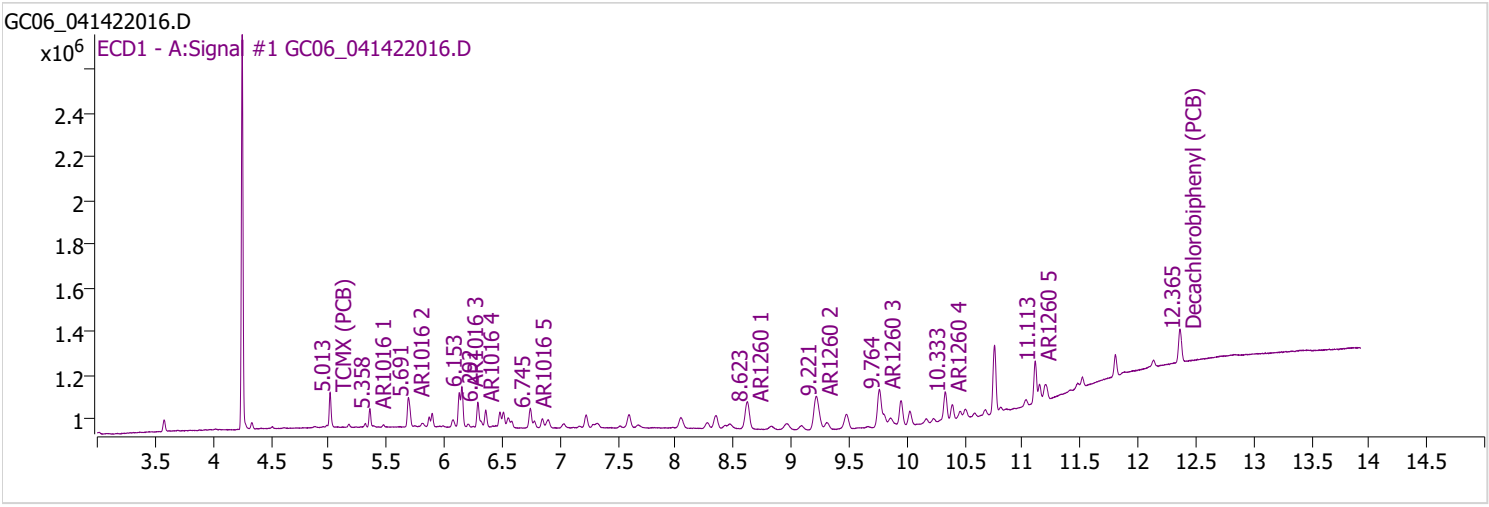


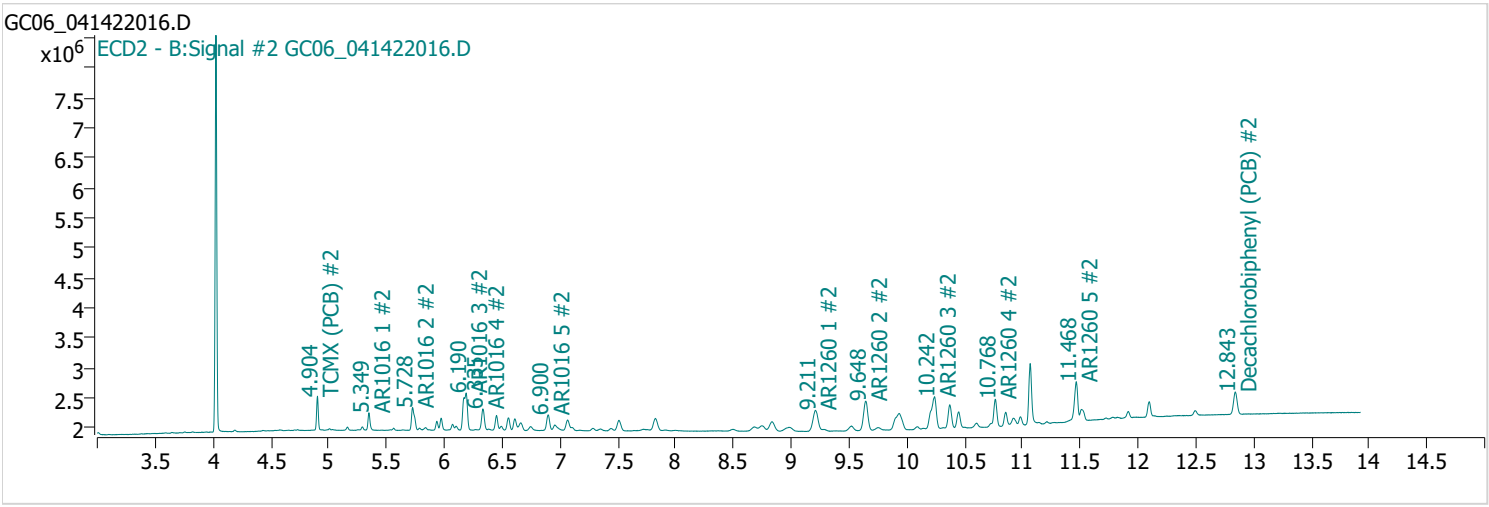
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	0.9811	12.84	0.00	345245			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422016.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 6:58:47 PM
Sample Name	ICAL, S16585, 40	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 112	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



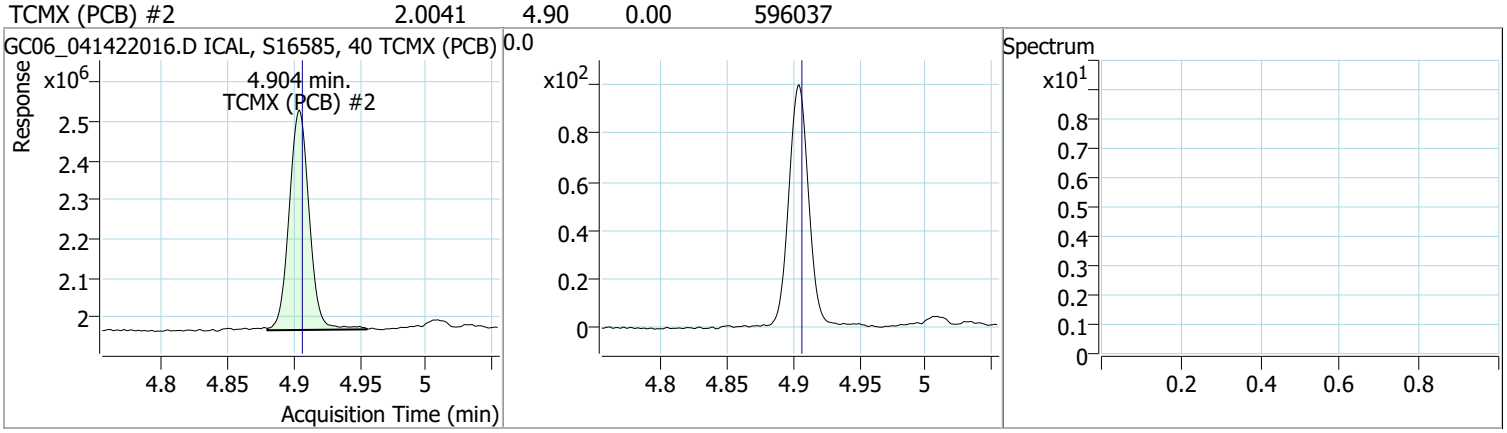


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.253	4.027	1831488	6493014	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.013	4.904	188695	596037	2.142	2.004	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	10.71% *	10.02% *	
S Decachlorobiphenyl (PCB)	12.365	12.843	290870	827447	2.089	2.112	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	10.44% *	10.56% *	
Target Compounds							
T AR1016 1	5.358	5.349	104021	377064	58.063	62.012	ng/ml
T AR1016 2	5.691	5.728	225209	695061	57.734	55.082	ng/ml
T AR1016 3	6.153	6.190	249063	930464 m	54.252	55.913	ng/ml
T AR1016 4	6.292	6.335	184253	603270	53.632	53.434	ng/ml
T AR1016 5	6.745	6.900	143229	478382	53.895	54.196	ng/ml
T AR1260 1	8.623	9.211	318657	1107150	55.286	56.339	ng/ml
T AR1260 2	9.221	9.648	492737	1253059	55.504	55.184	ng/ml
T AR1260 3	9.764	10.242	494318	1674833	53.563	54.290	ng/ml
T AR1260 4	10.333	10.768	248801	901025	54.208	53.975	ng/ml

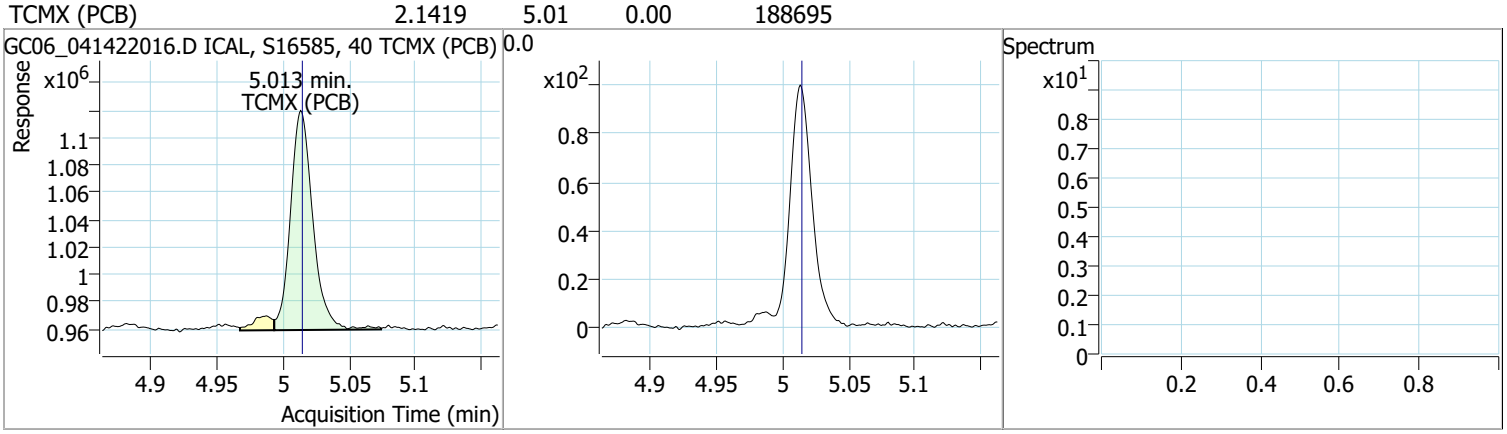
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.113	11.468	314669	1345193	51.800	54.657	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

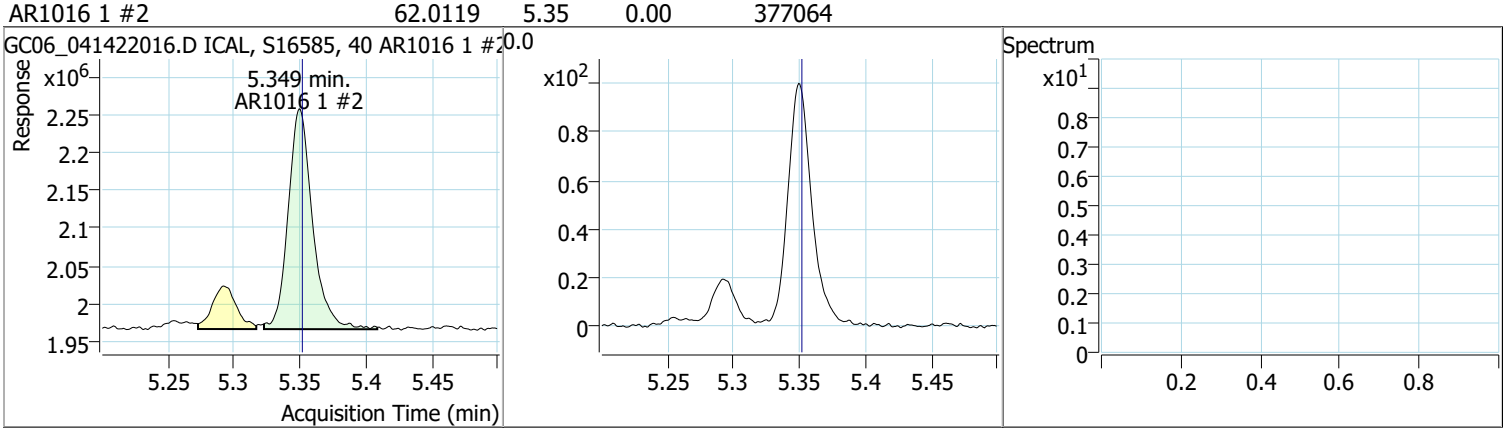
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	2.0041	4.90	0.00	596037			



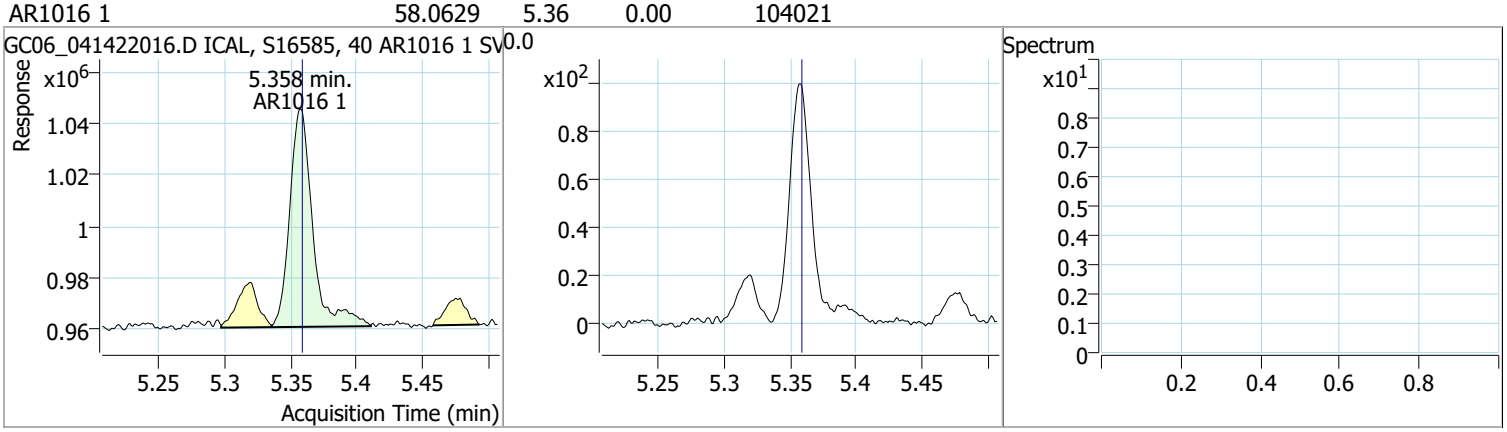
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	2.1419	5.01	0.00	188695			



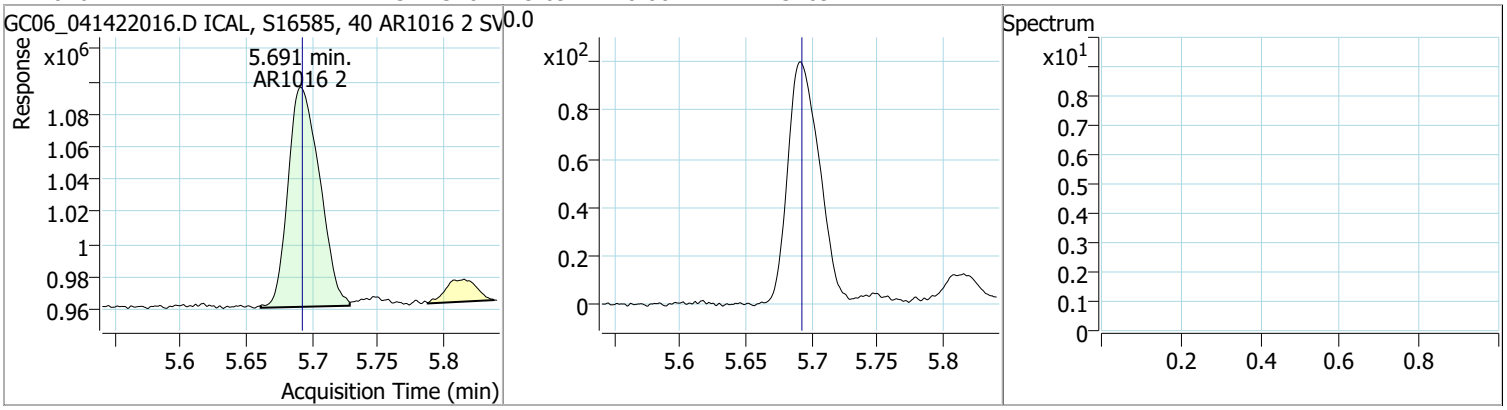
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	62.0119	5.35	0.00	377064			



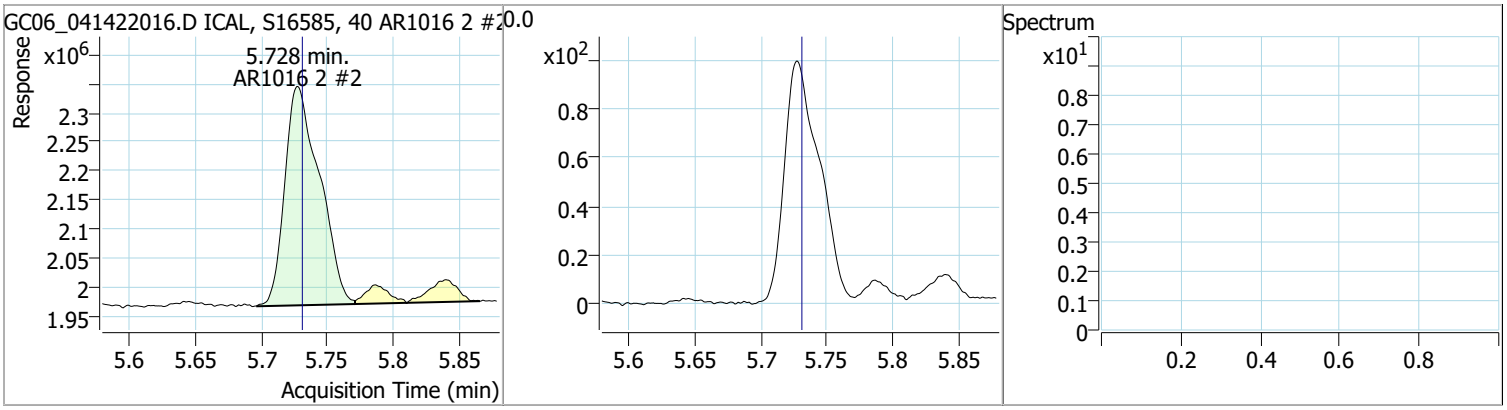
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	58.0629	5.36	0.00	104021			



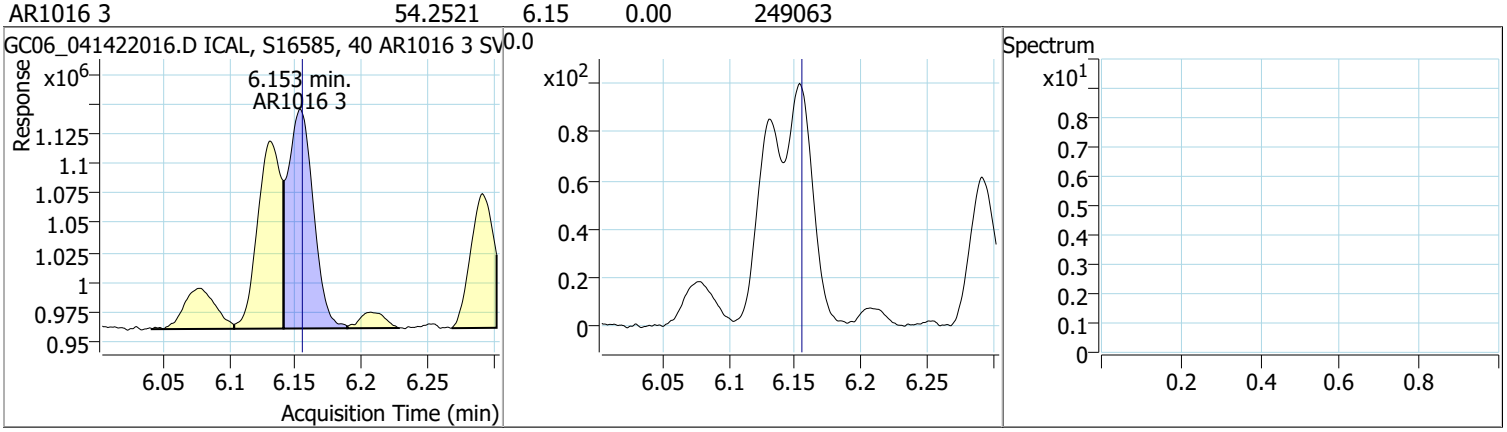
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	57.7340	5.69	0.00	225209			



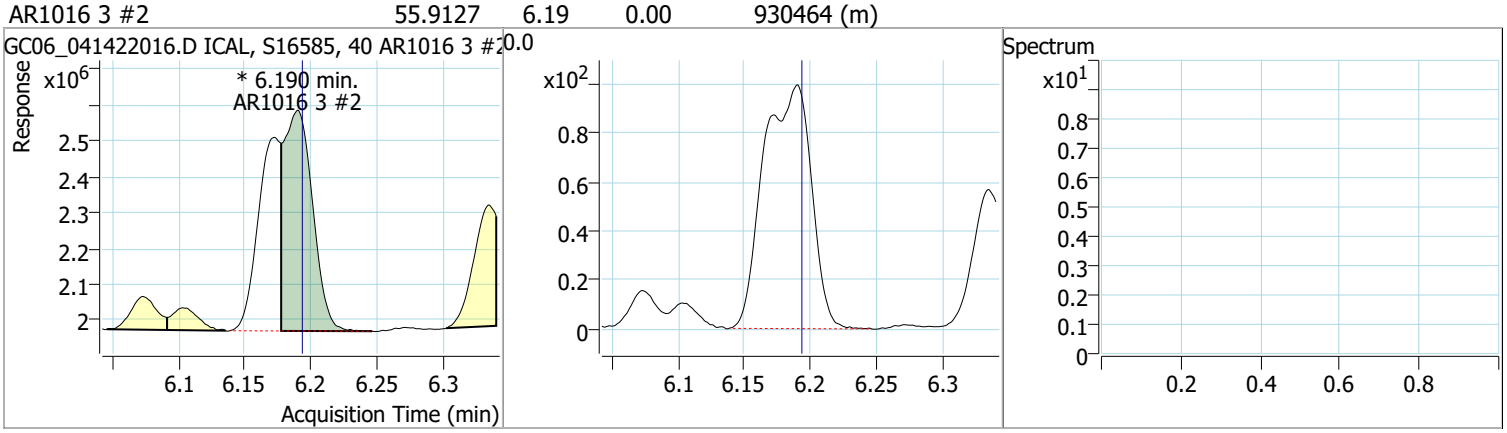
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	55.0824	5.73	0.00	695061			



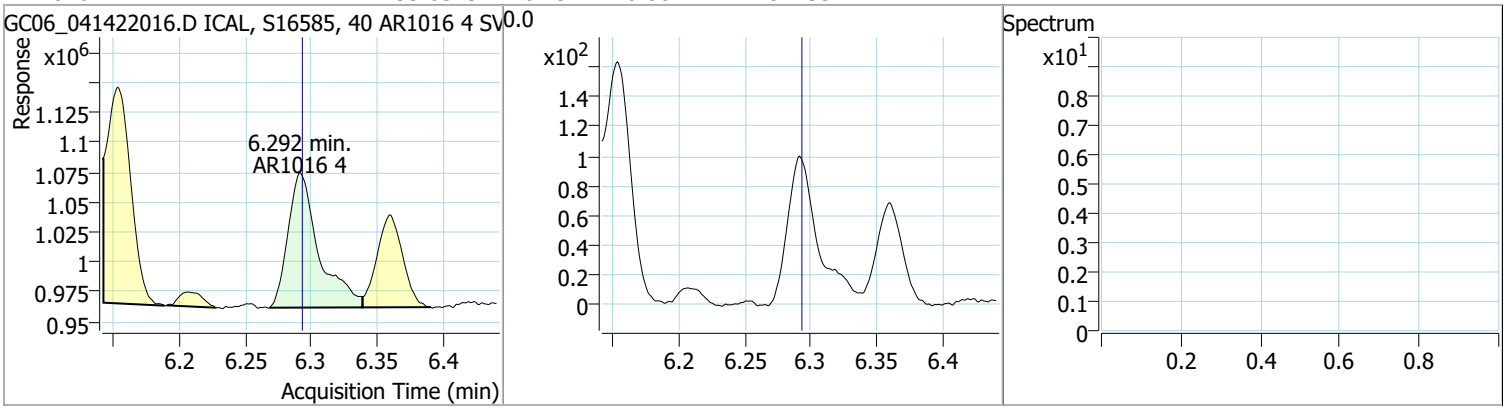
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	54.2521	6.15	0.00	249063			



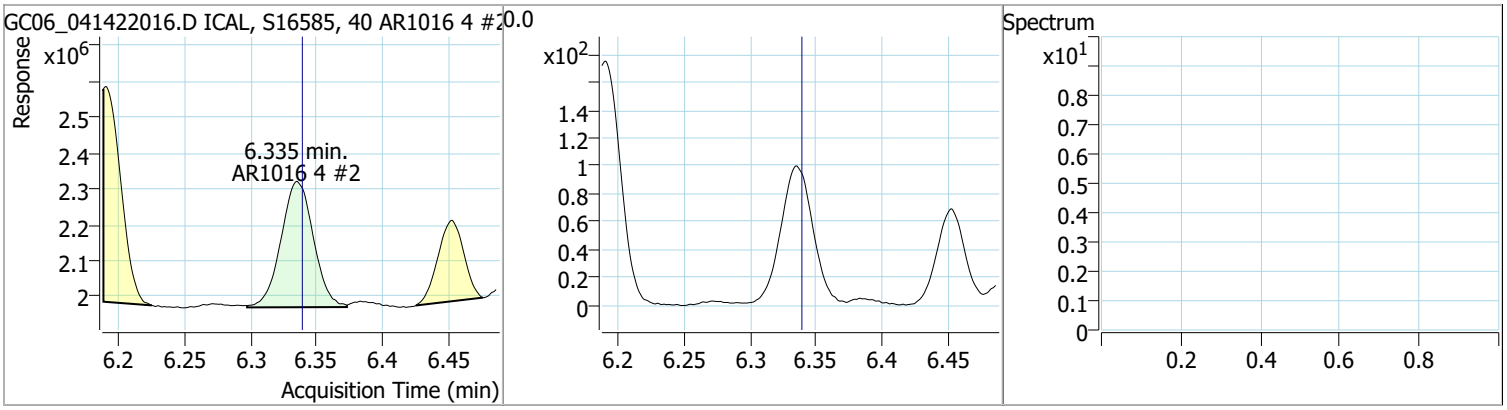
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	55.9127	6.19	0.00	930464 (m)			



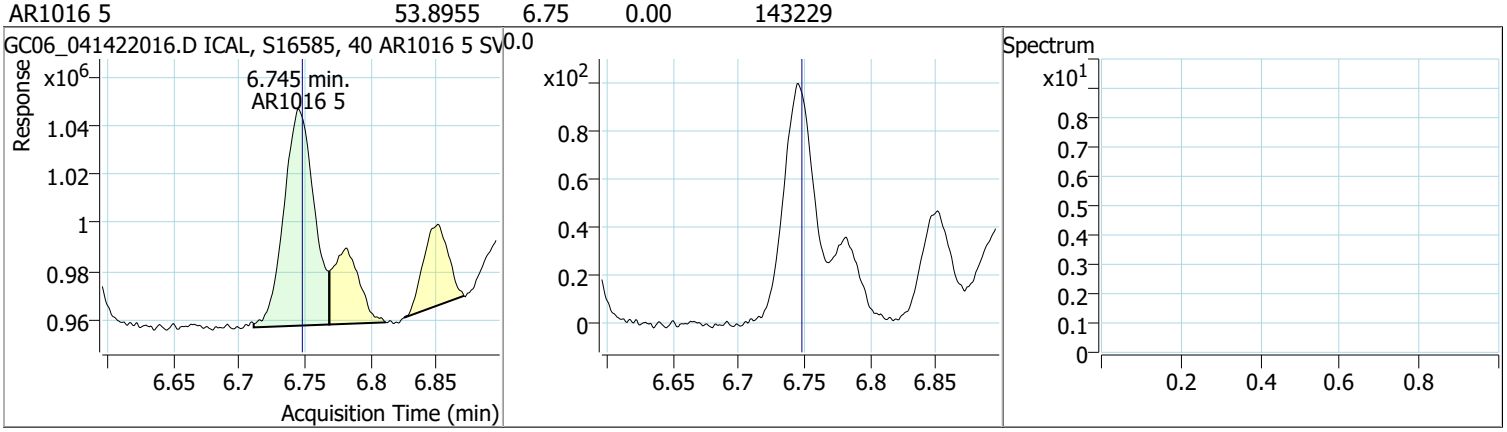
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	53.6319	6.29	0.00	184253			



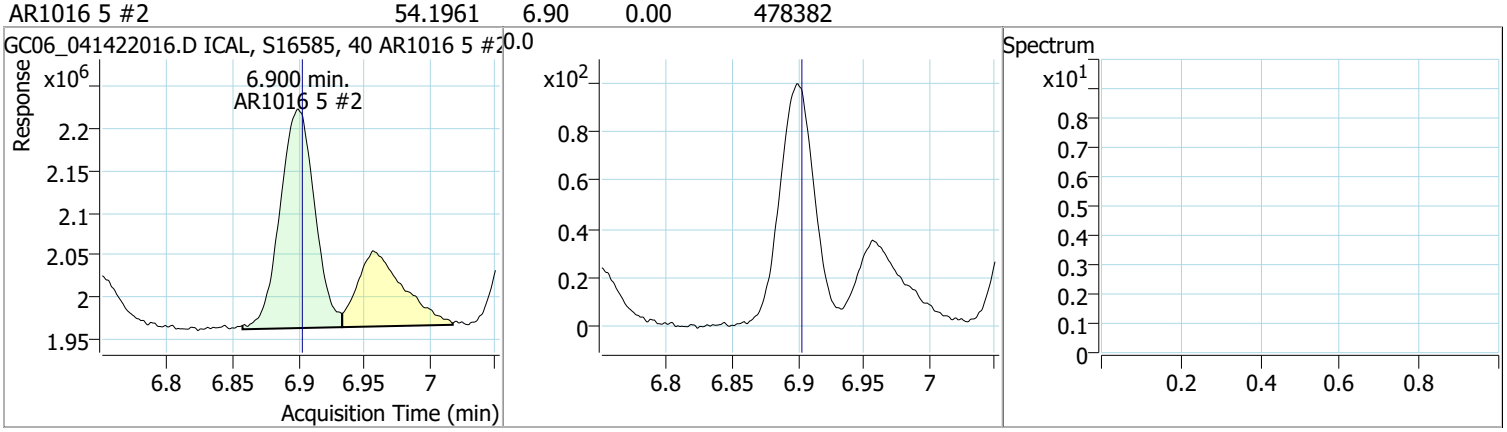
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	53.4336	6.34	0.00	603270			



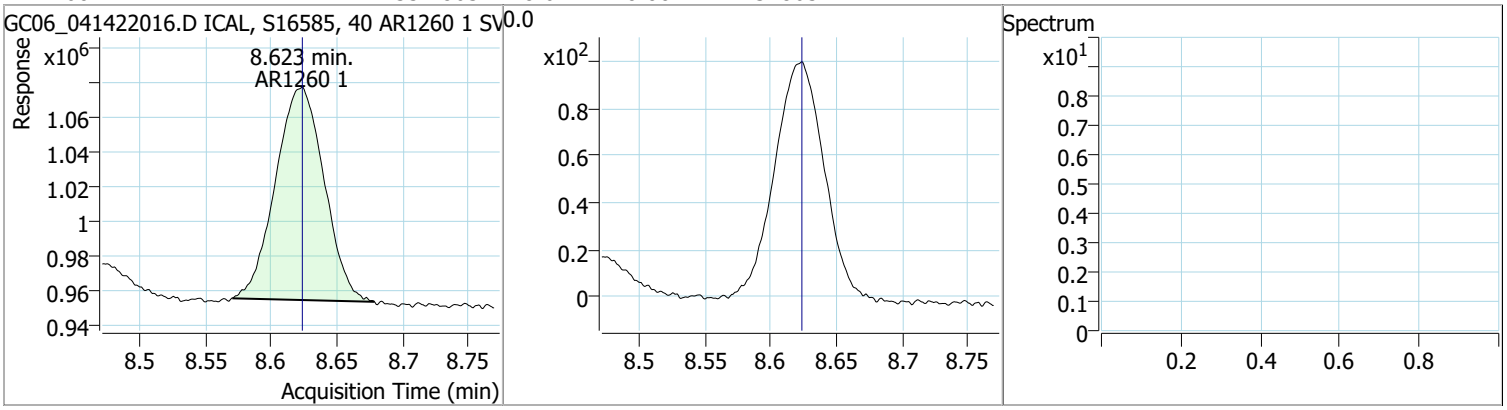
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	53.8955	6.75	0.00	143229			



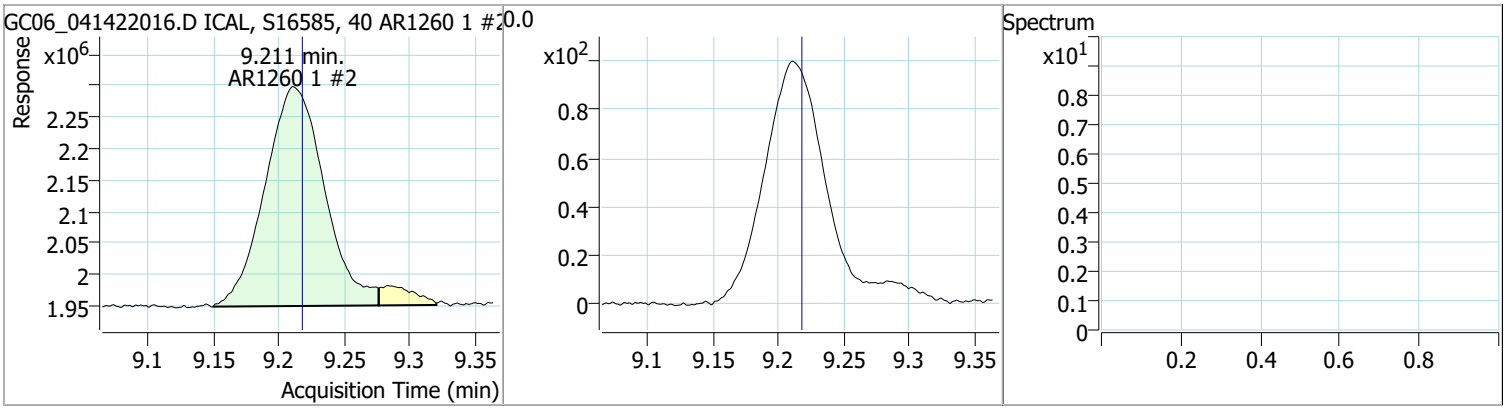
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	54.1961	6.90	0.00	478382			



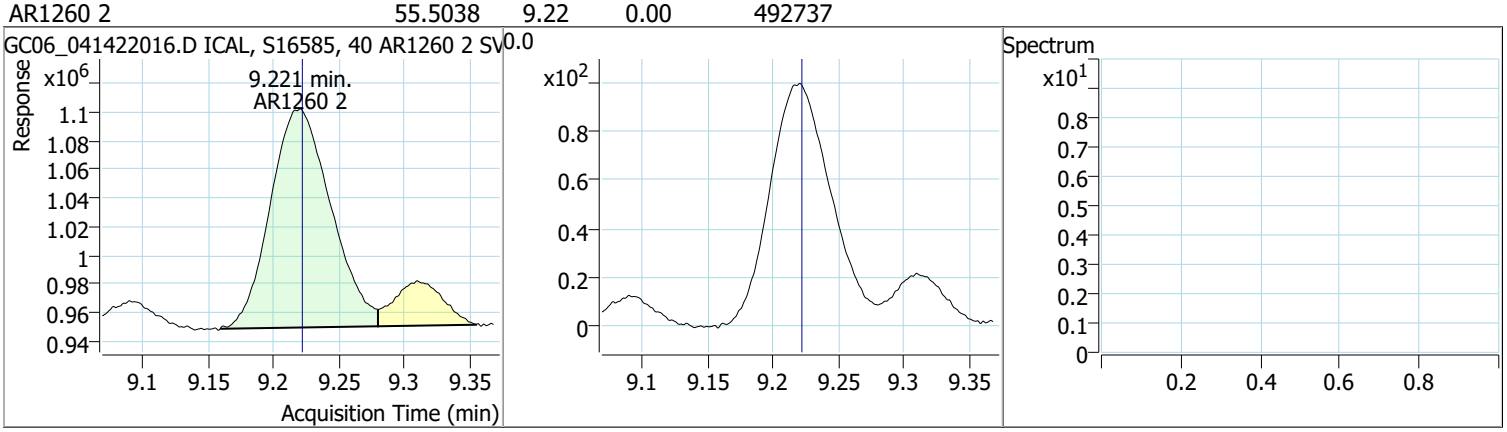
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	55.2863	8.62	0.00	318657			



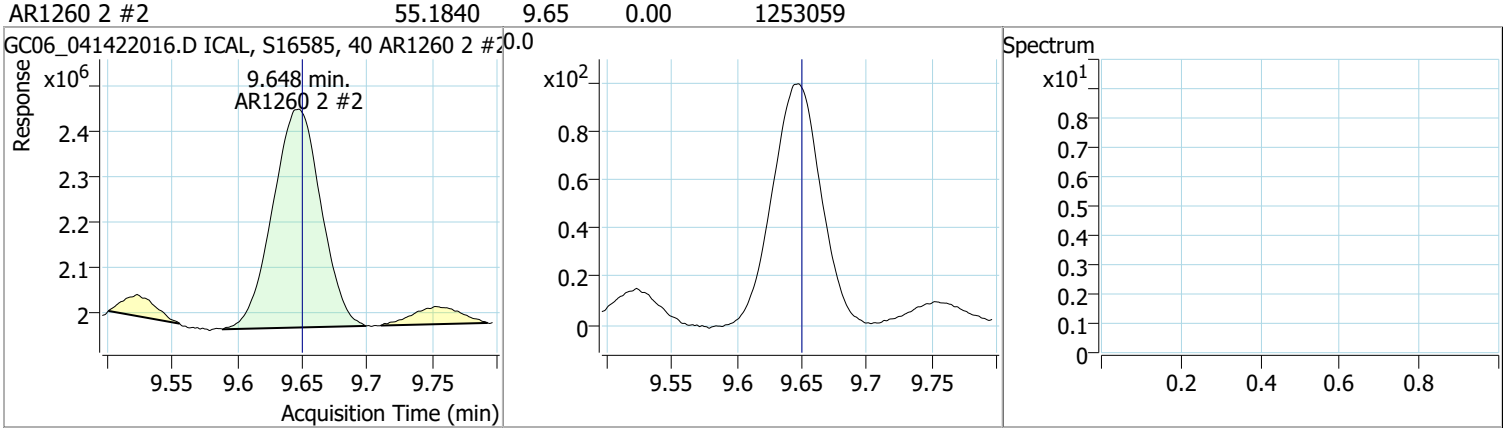
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	56.3386	9.21	0.00	1107150			



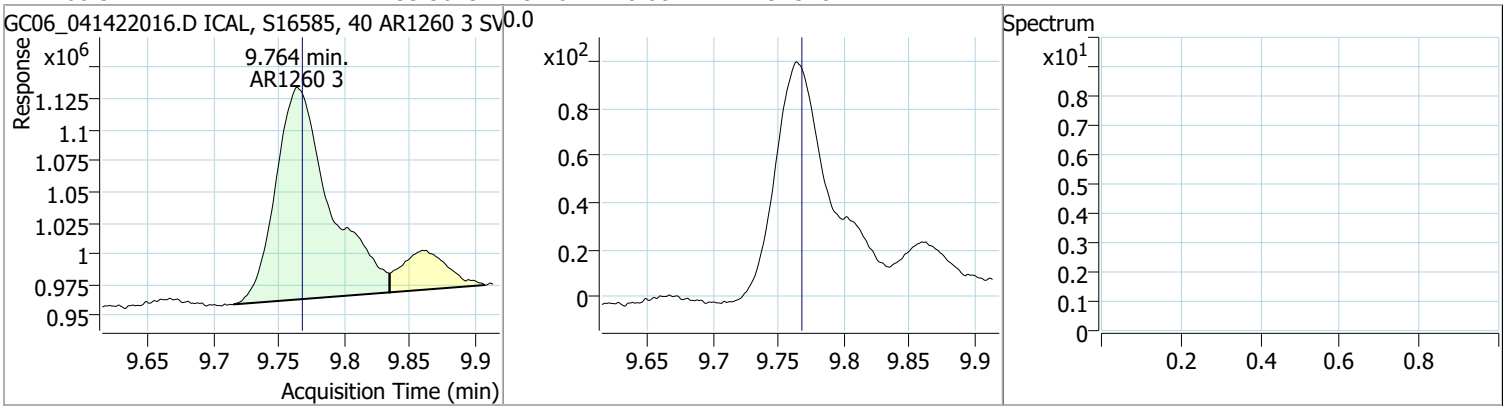
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	55.5038	9.22	0.00	492737			



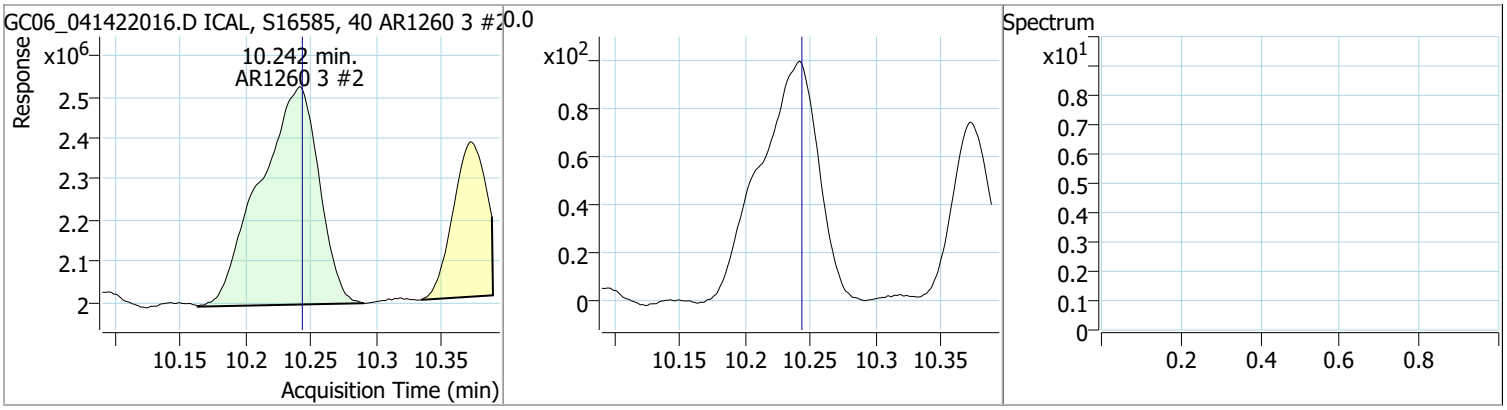
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	55.1840	9.65	0.00	1253059			



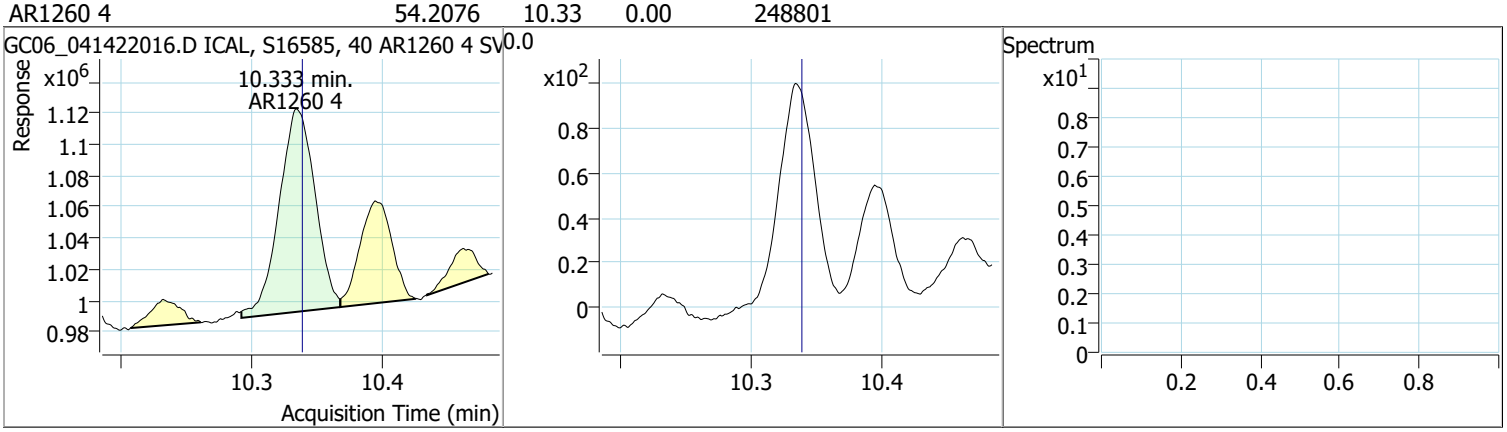
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	53.5625	9.76	0.00	494318			



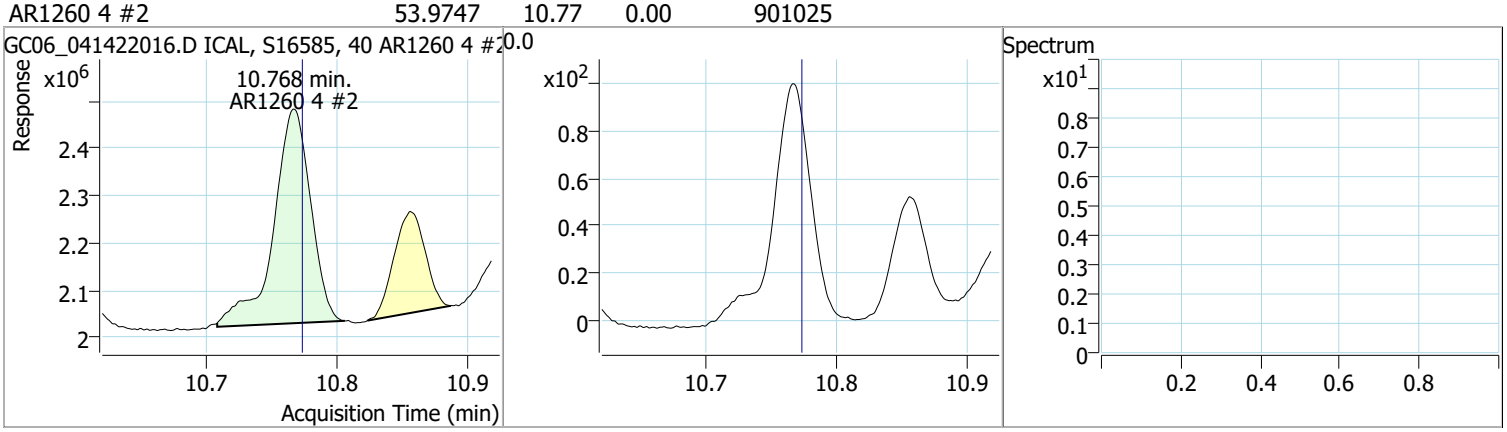
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	54.2896	10.24	0.00	1674833			



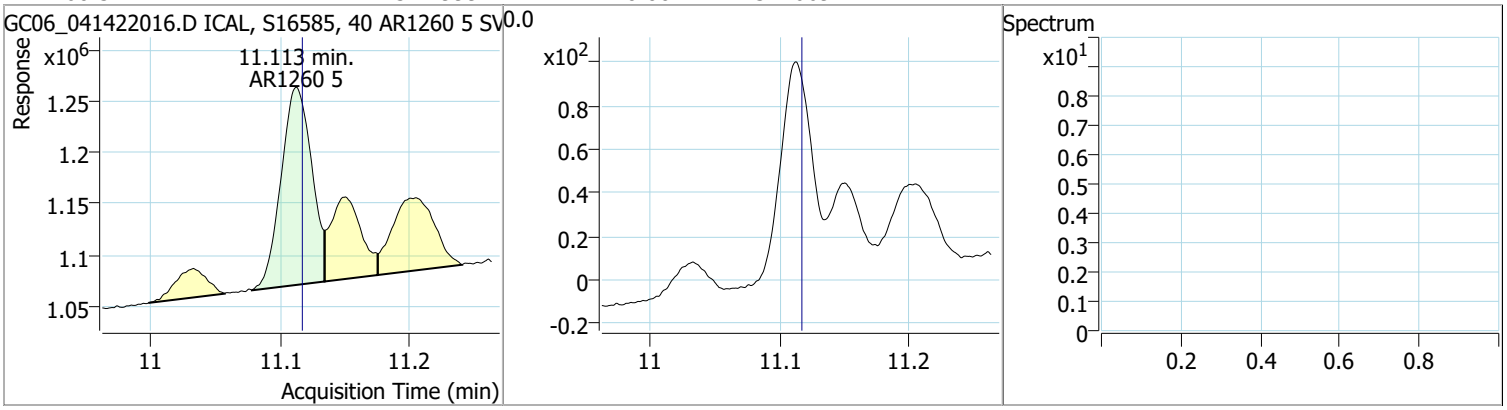
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	54.2076	10.33	0.00	248801			



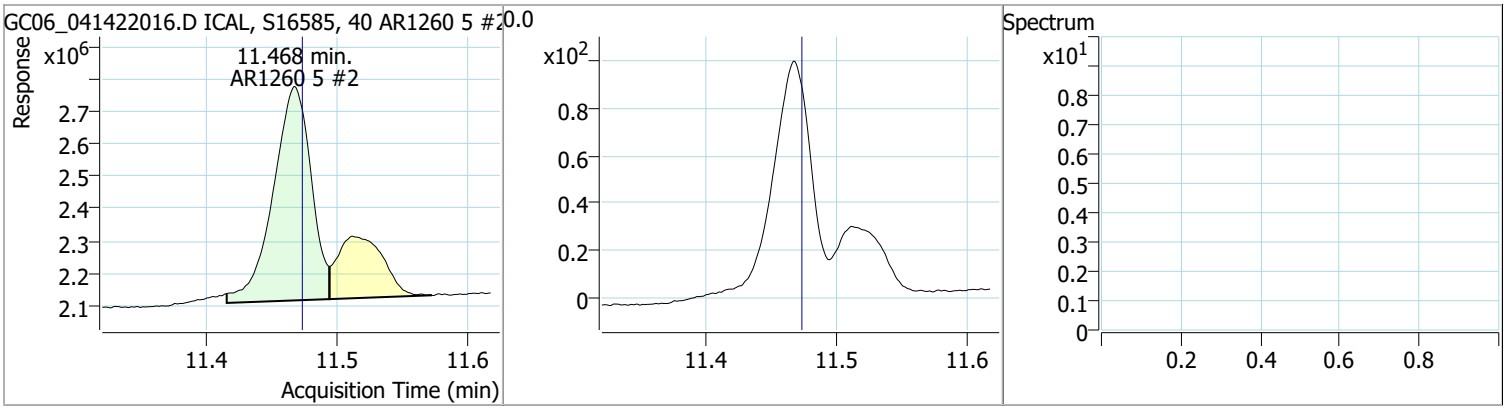
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	53.9747	10.77	0.00	901025			



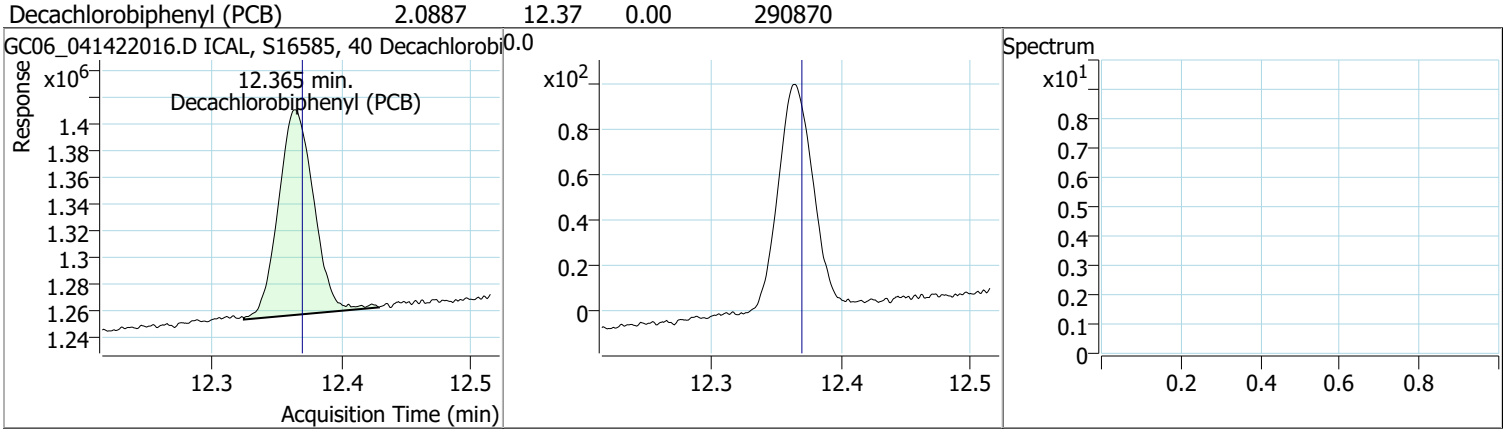
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	51.7999	11.11	0.00	314669			



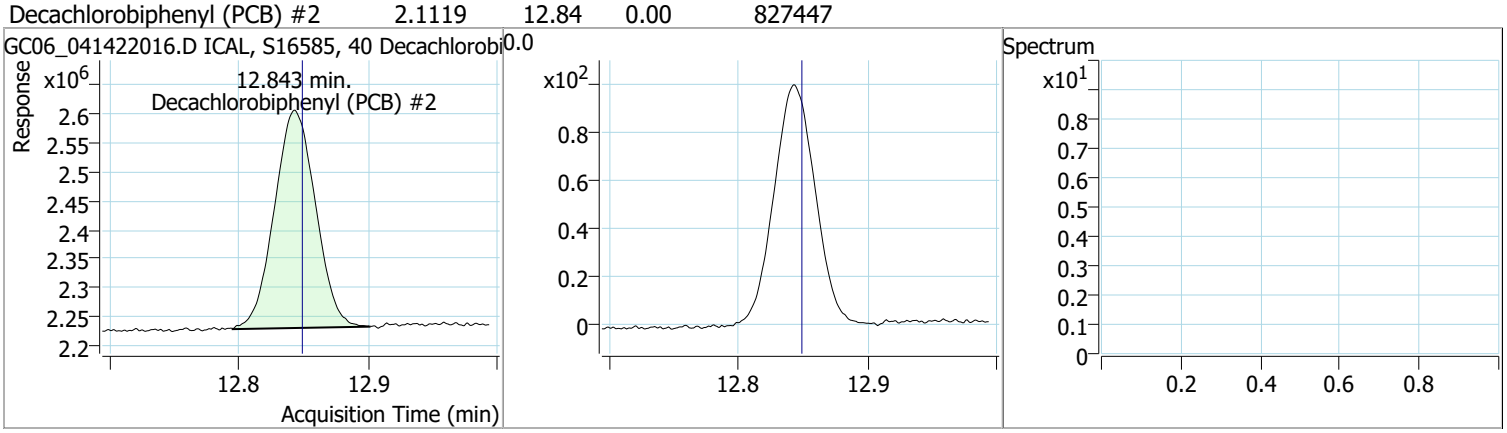
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	54.6566	11.47	0.00	1345193			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	2.0887	12.37	0.00	290870			

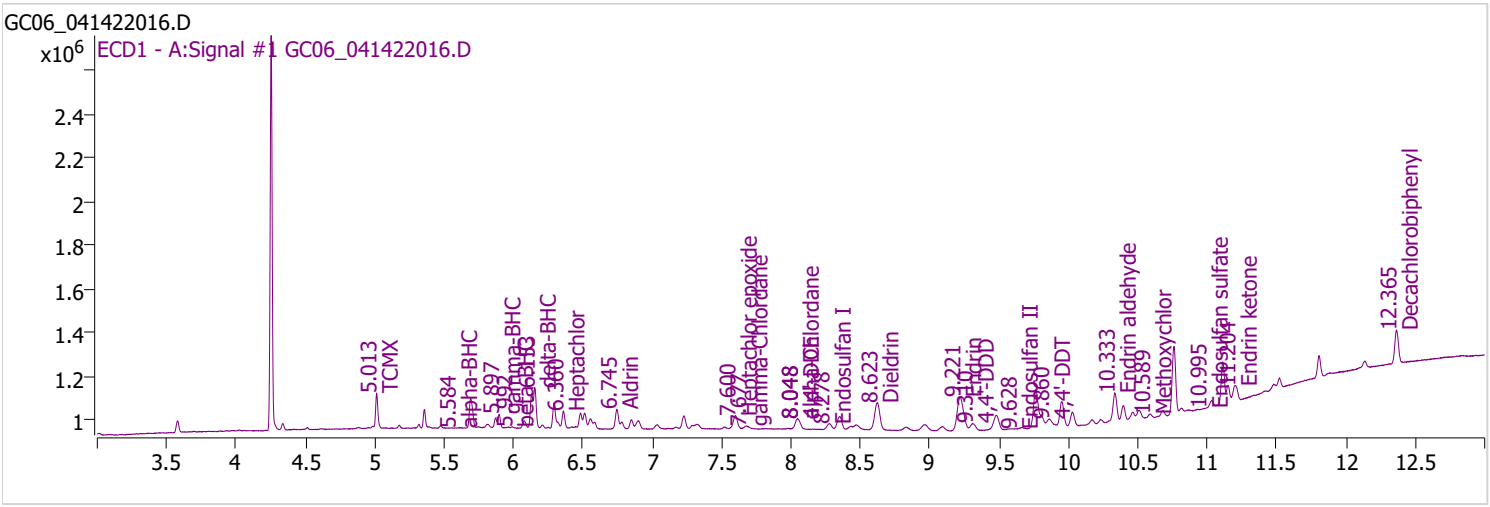


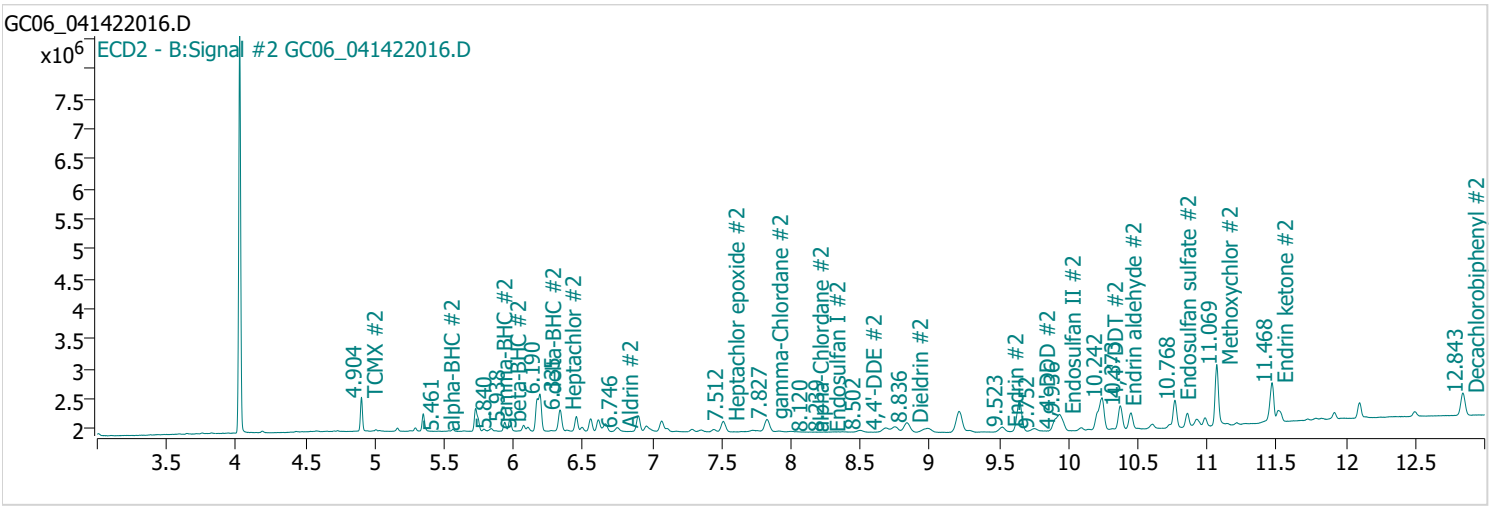
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	2.1119	12.84	0.00	827447			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422016.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 6:58:47 PM
Sample Name	ICAL, S16585, 40	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 112	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 7:13:01 PM



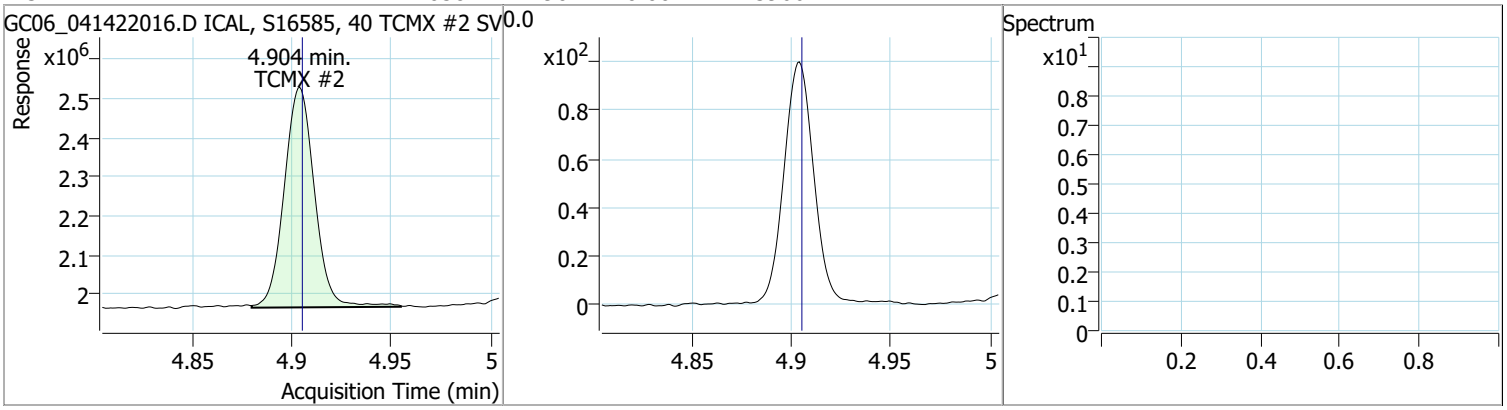


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.253	4.027	1822294	6484704	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.013	4.904	188116	596647	2.204	2.106	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	11.02% *	10.53% *	
S Decachlorobiphenyl	12.365	12.843	283103	834130	2.275	2.285	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	11.37% *	11.43% *	
Target Compounds							
T alpha-BHC	5.584	5.461	708	2319	0.008	0.007	ng/ml
T gamma-BHC	5.897	5.840	73017	55872	0.806	0.175 #	ng/ml
T beta-BHC	5.992	5.938	7952	186145	0.179	1.112 #	ng/ml
T delta-BHC	6.153	6.190	242664	1556060	2.302	3.430 #	ng/ml
T Heptachlor	6.360	6.335	88833	603712	0.950	1.636 #	ng/ml
T Aldrin	6.745	6.746	142118	137298	1.492	0.406 #	ng/ml
T Heptachlor epoxide	7.600	7.512	143946	366575	1.539	1.147 #	ng/ml
T gamma-Chlordane	7.677	7.827	30443	479154	0.366	1.393 #	ng/ml
T alpha-Chlordane	8.048	8.120	75417	591	0.904	0.002 #	ng/ml

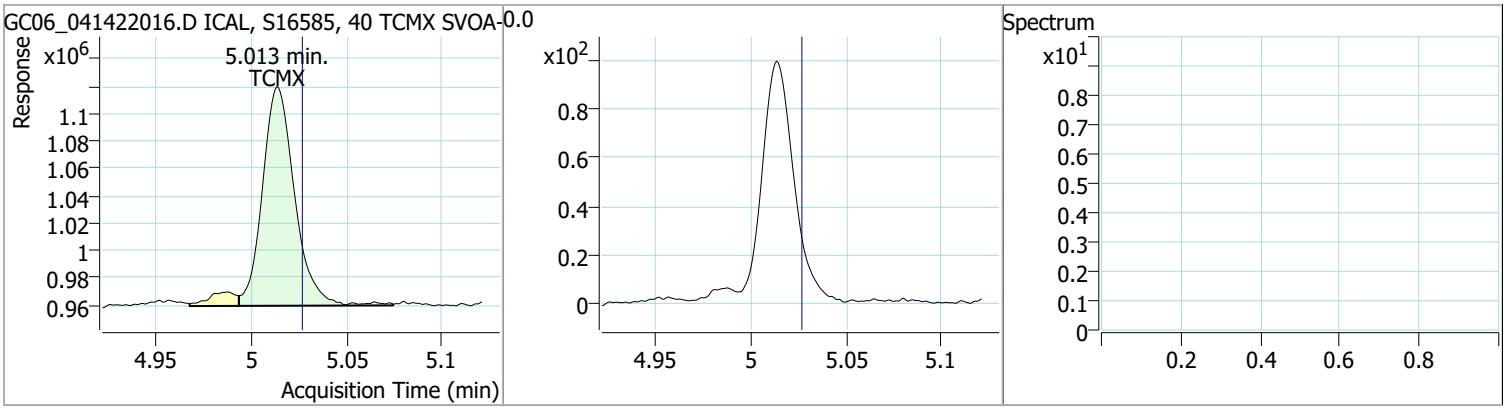
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.278	8.239	52820	1065	0.697	0.004 #	ng/ml
T 4,4'-DDE	8.048	8.502 f	118558	65903	1.470	0.255 #	ng/ml
T Dieldrin	8.623	8.836	332902	394595	3.501	1.342 #	ng/ml
T Endrin	9.221	9.523	462827	232946	4.953	0.883 #	ng/ml
T 4,4'-DDD	9.310	9.752	55130	116696	0.920	0.504 #	ng/ml
T Endosulfan II	9.628	9.936 f	2270	1133452	0.028	3.606 #	ng/ml
T 4,4'-DDT	9.860	10.242	67862	1655756	0.920	4.976 #	ng/ml
T Endrin aldehyde	10.333	10.373	232828	757302	3.588	3.290	ng/ml
T Endosulfan sulfate	10.995	10.768	30661	930538	0.434	3.519 #	ng/ml
T Methoxychlor	10.589	11.069 f	26977	1780926	0.611	11.189 #	ng/ml
T Endrin ketone	11.204	11.468 f	117079	1363092	1.278	3.969 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

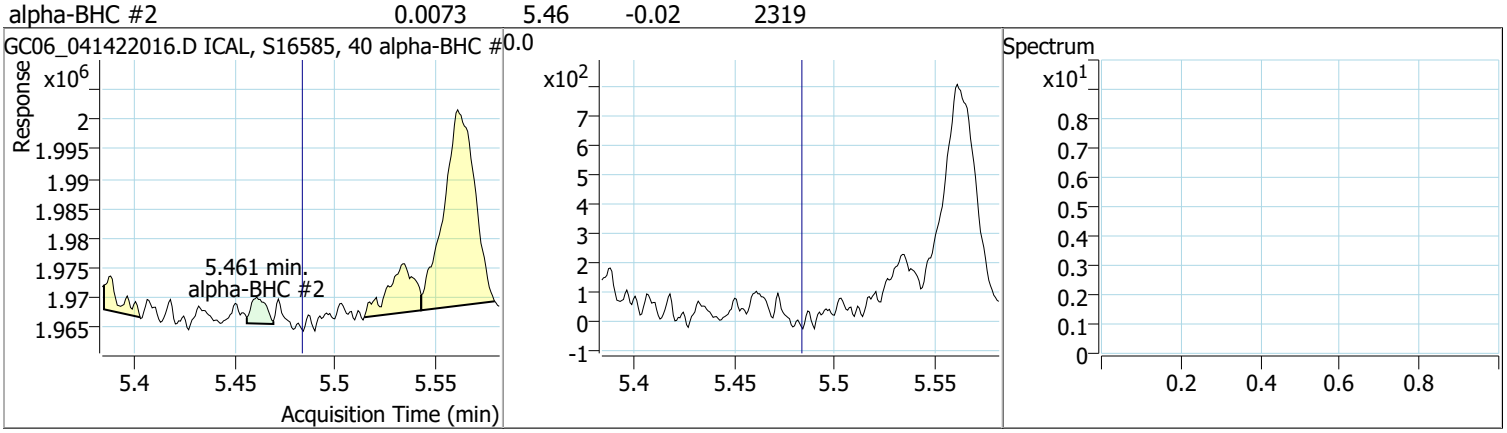
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	2.1058	4.90	0.00	596647			



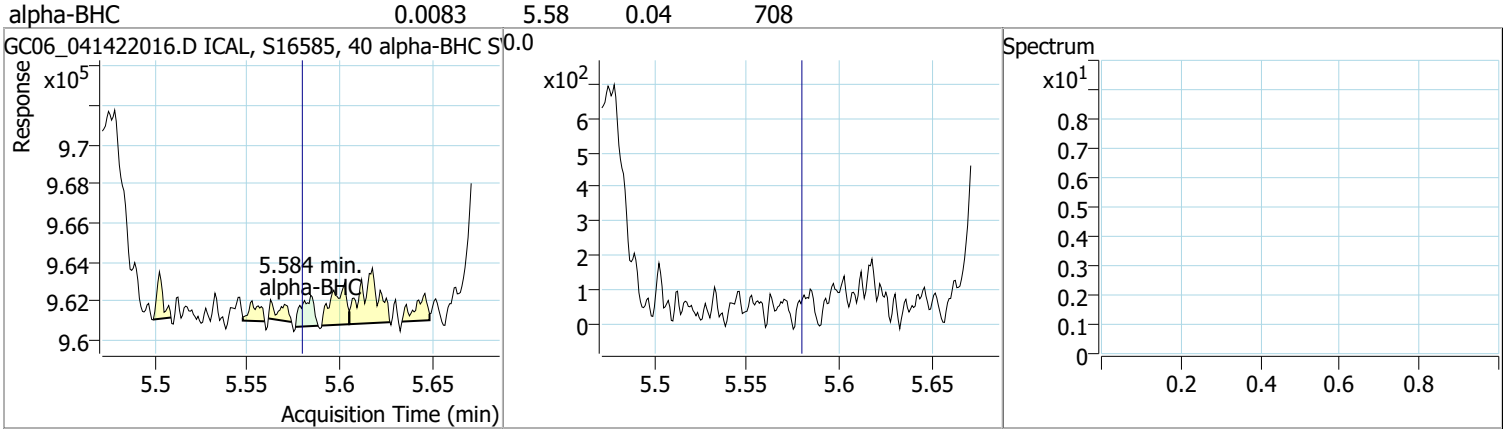
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	2.2038	5.01	0.02	188116			



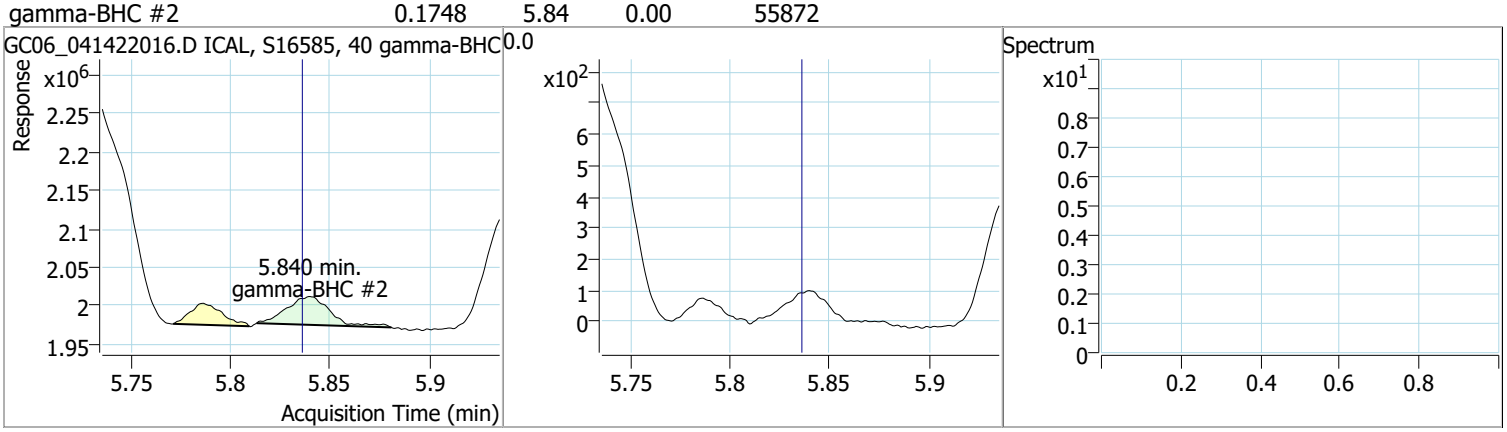
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	0.0073	5.46	-0.02	2319			



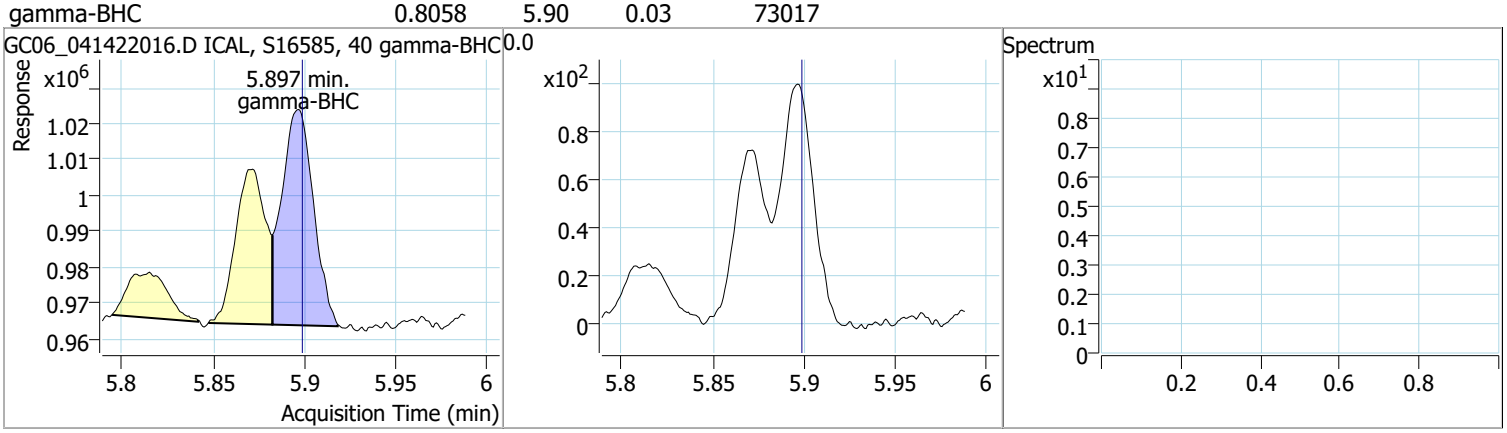
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC	0.0083	5.58	0.04	708			



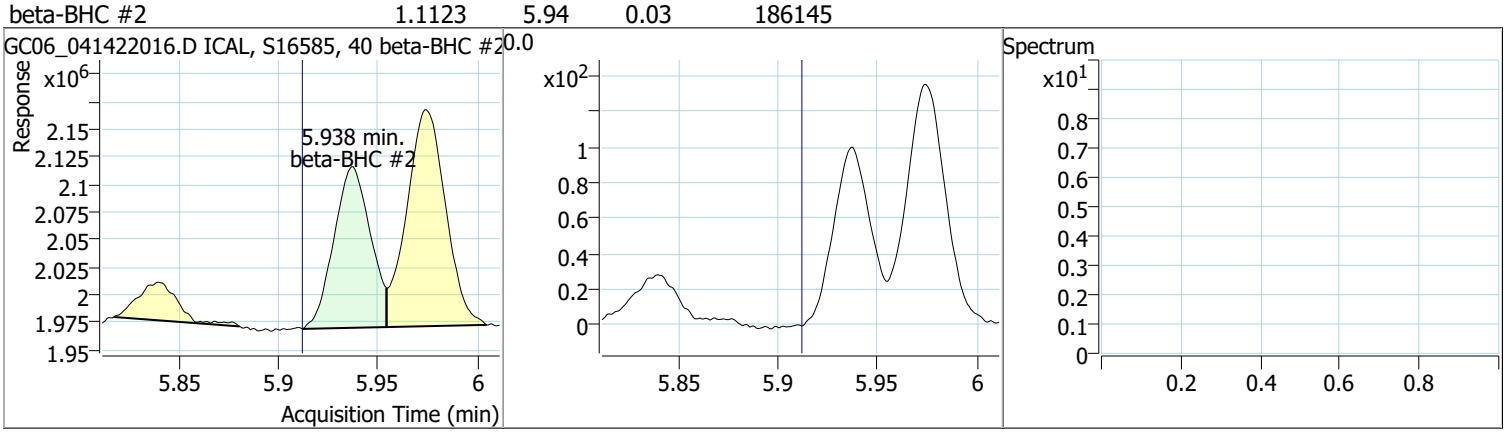
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	0.1748	5.84	0.00	55872			



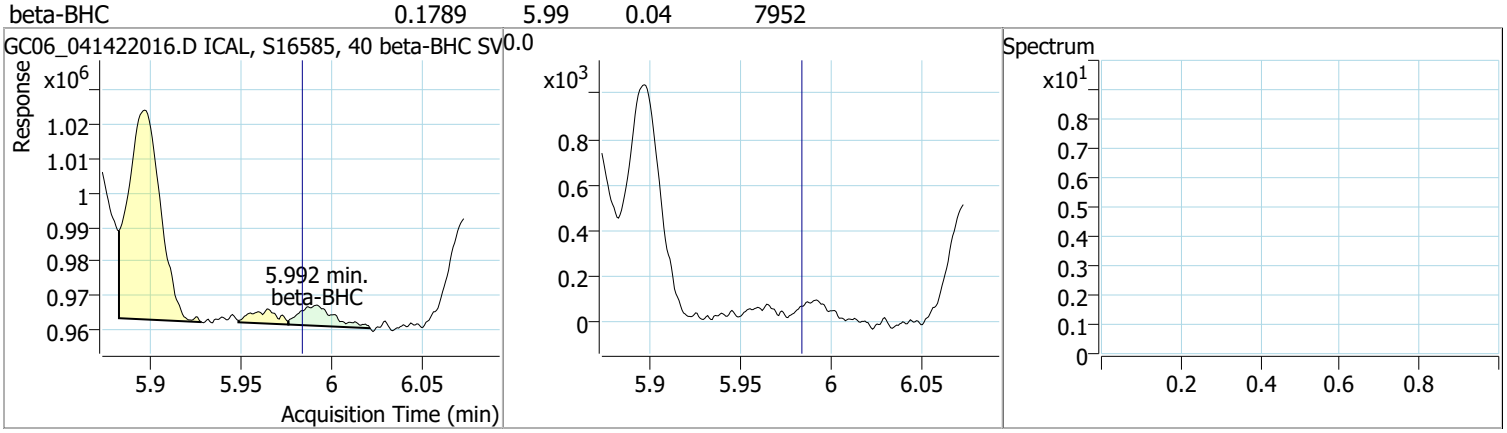
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	0.8058	5.90	0.03	73017			



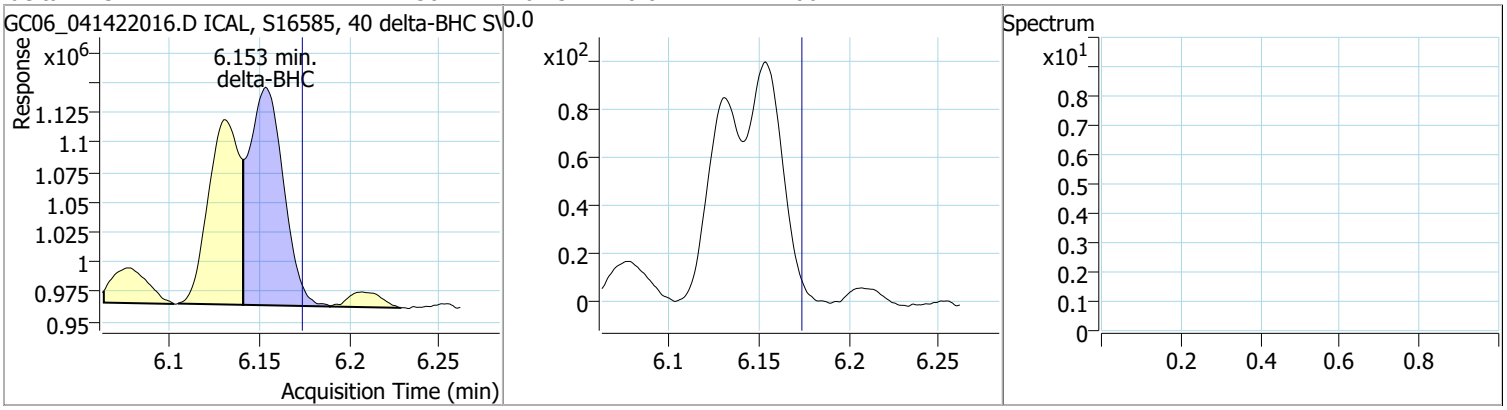
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	1.1123	5.94	0.03	186145			



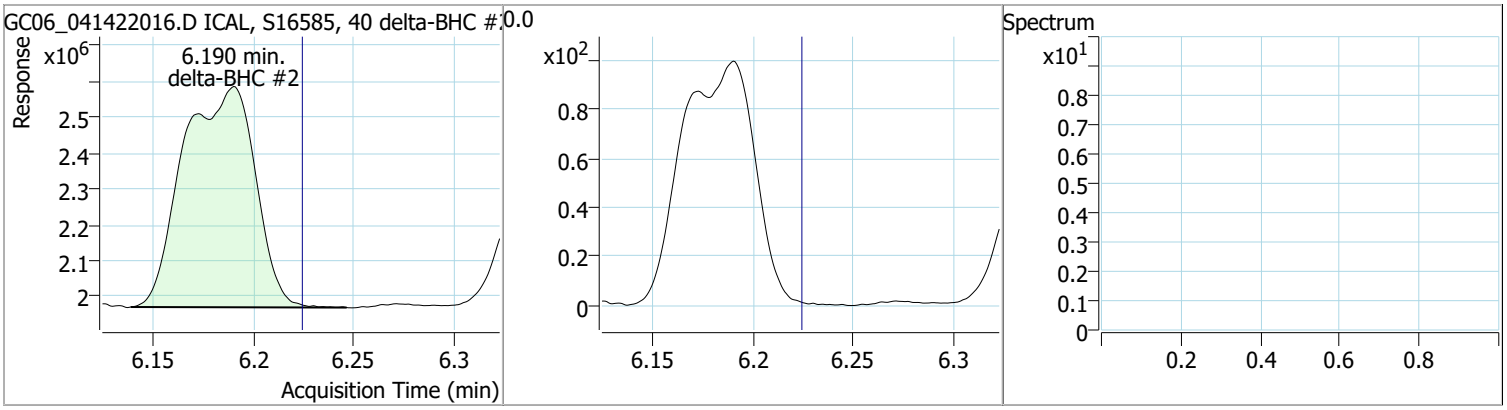
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	0.1789	5.99	0.04	7952			



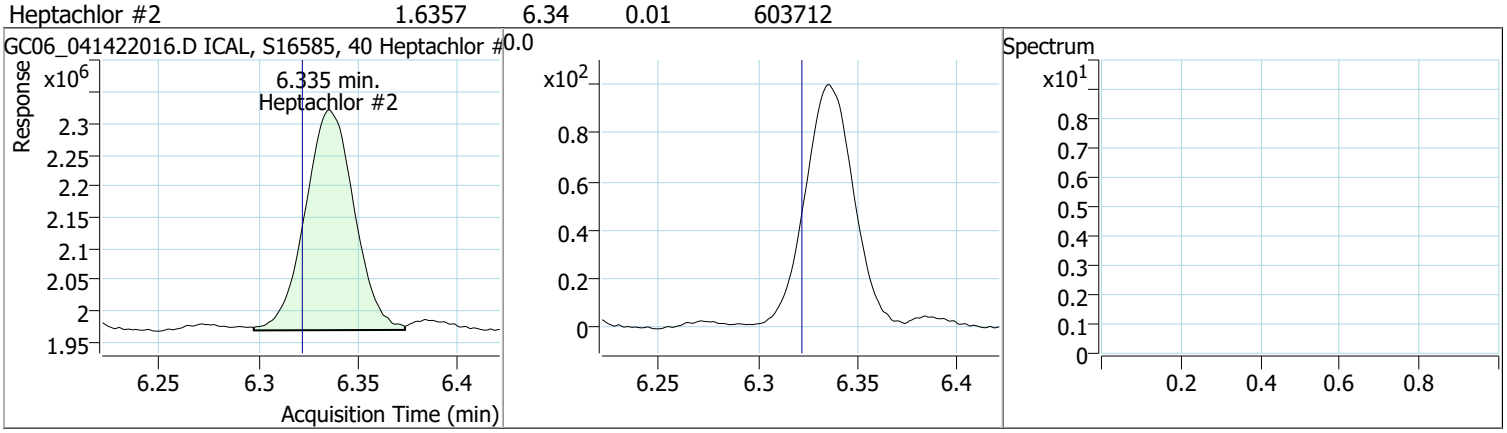
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	2.3017	6.15	0.01	242664			



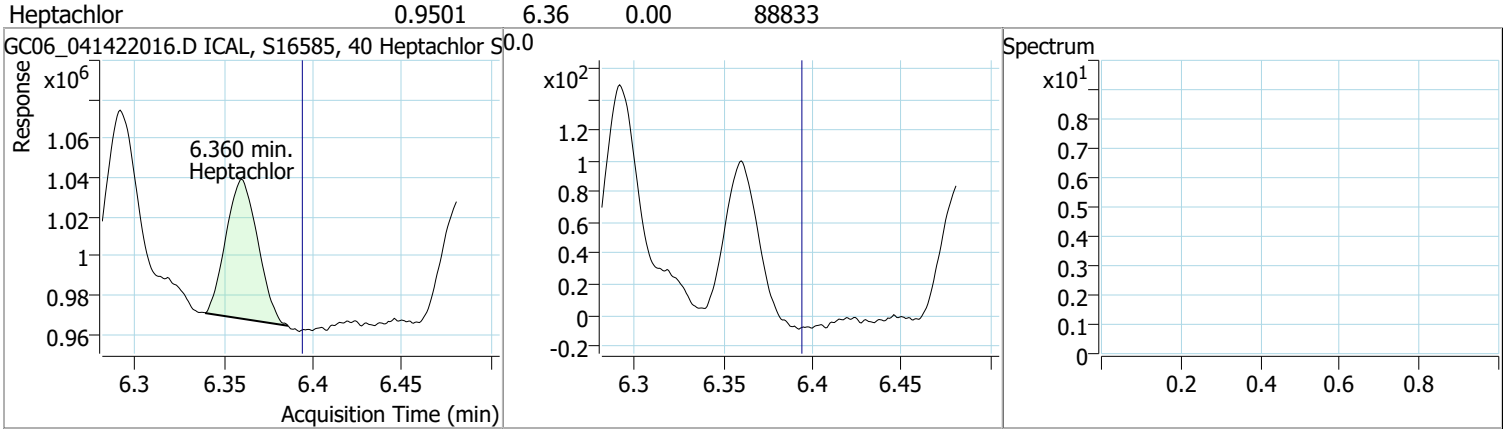
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	3.4300	6.19	-0.03	1556060			



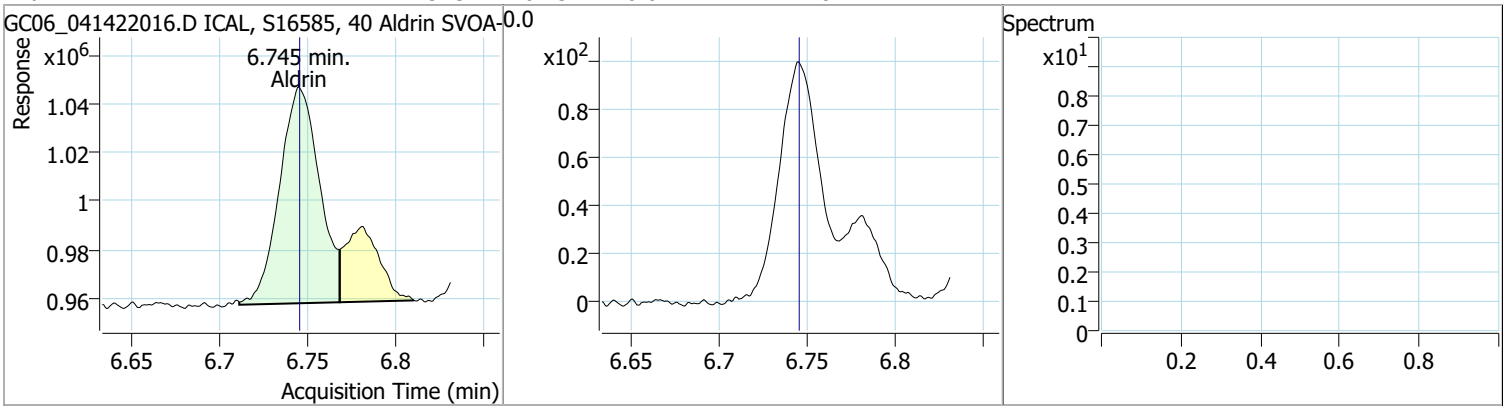
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	1.6357	6.34	0.01	603712			



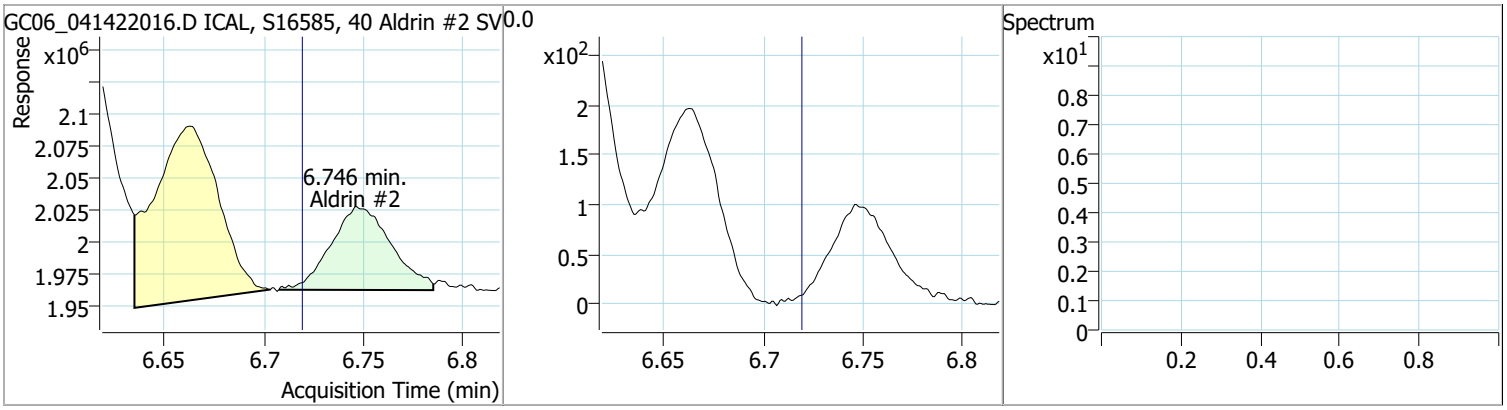
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	0.9501	6.36	0.00	88833			



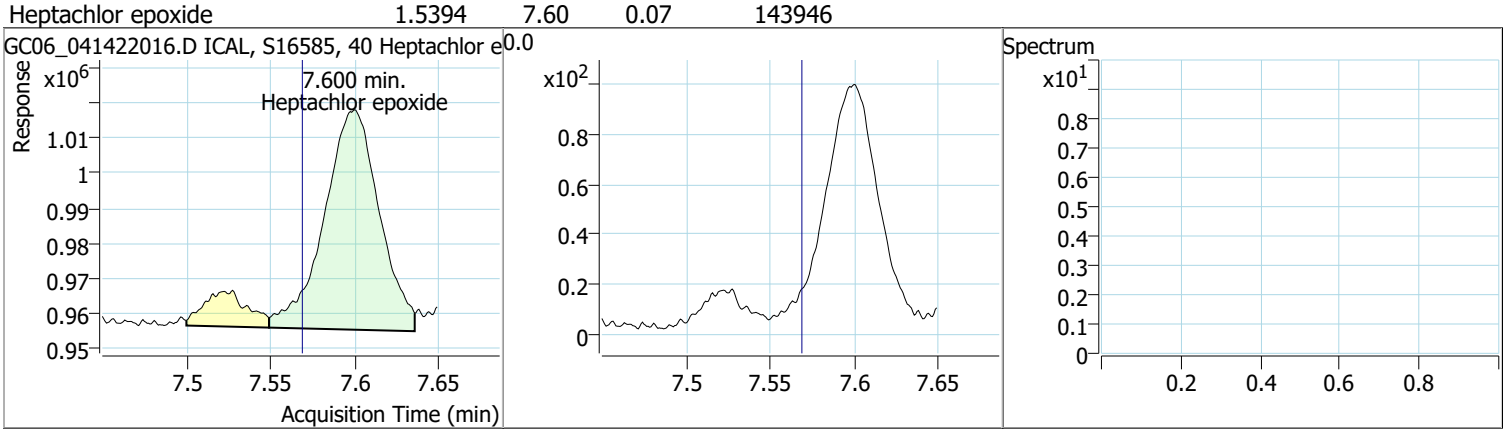
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	1.4925	6.75	0.04	142118			



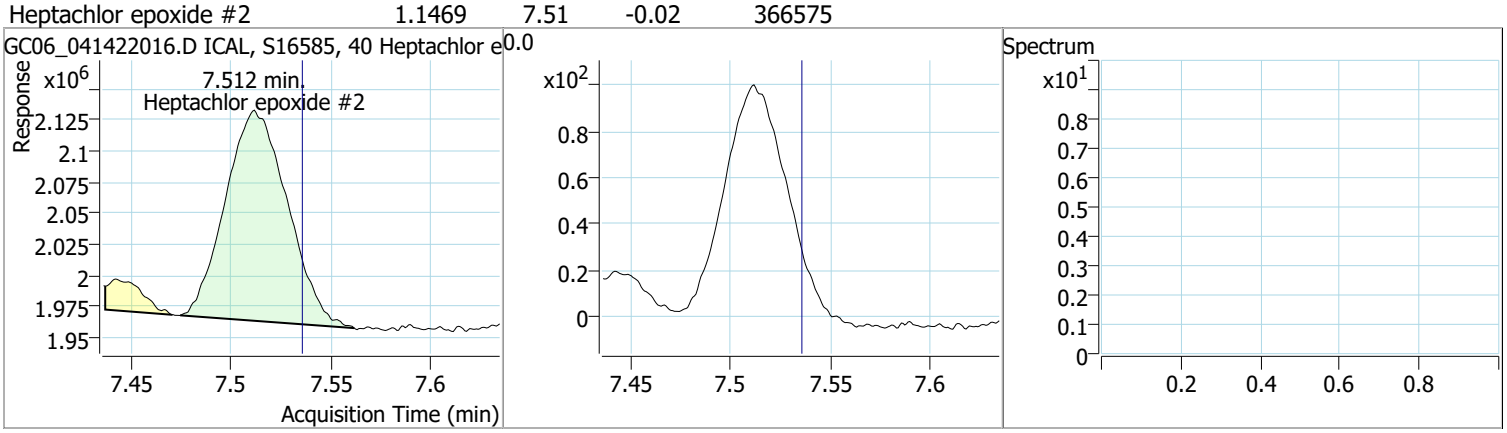
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	0.4062	6.75	0.03	137298			



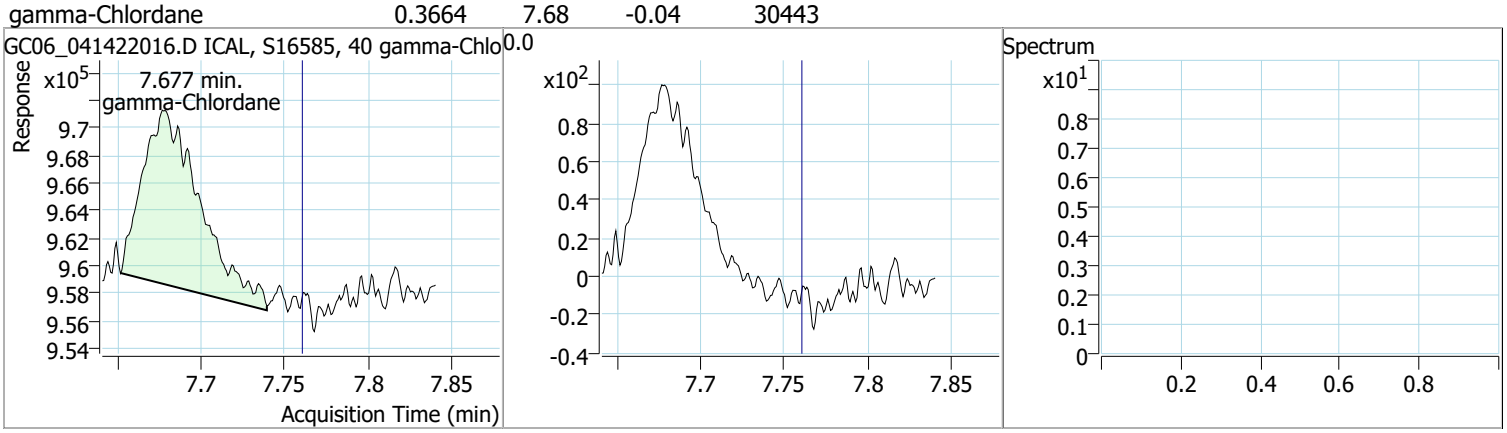
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	1.5394	7.60	0.07	143946			



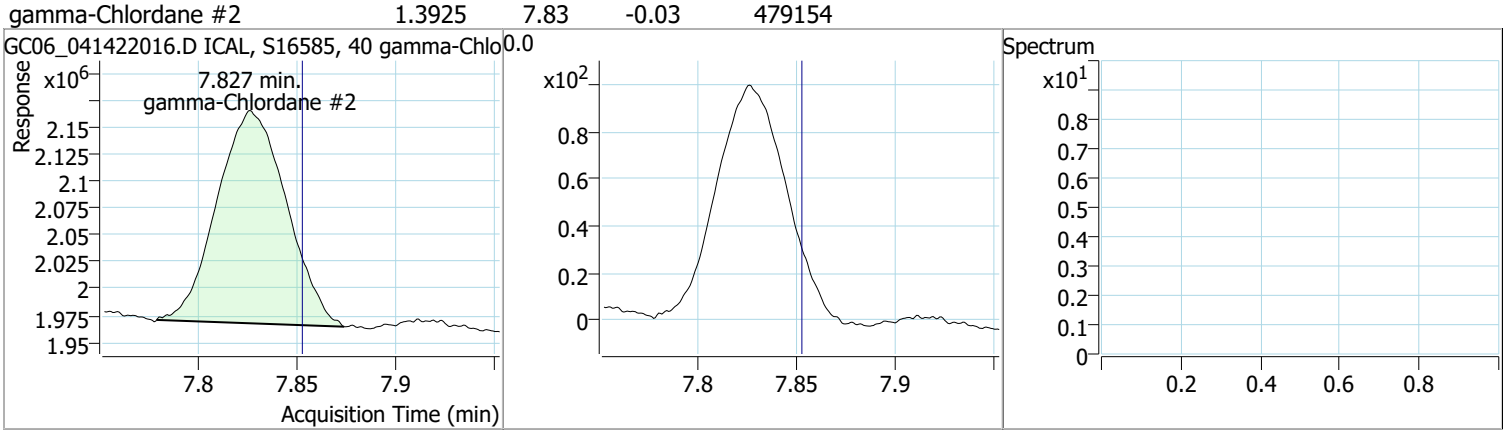
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	1.1469	7.51	-0.02	366575			



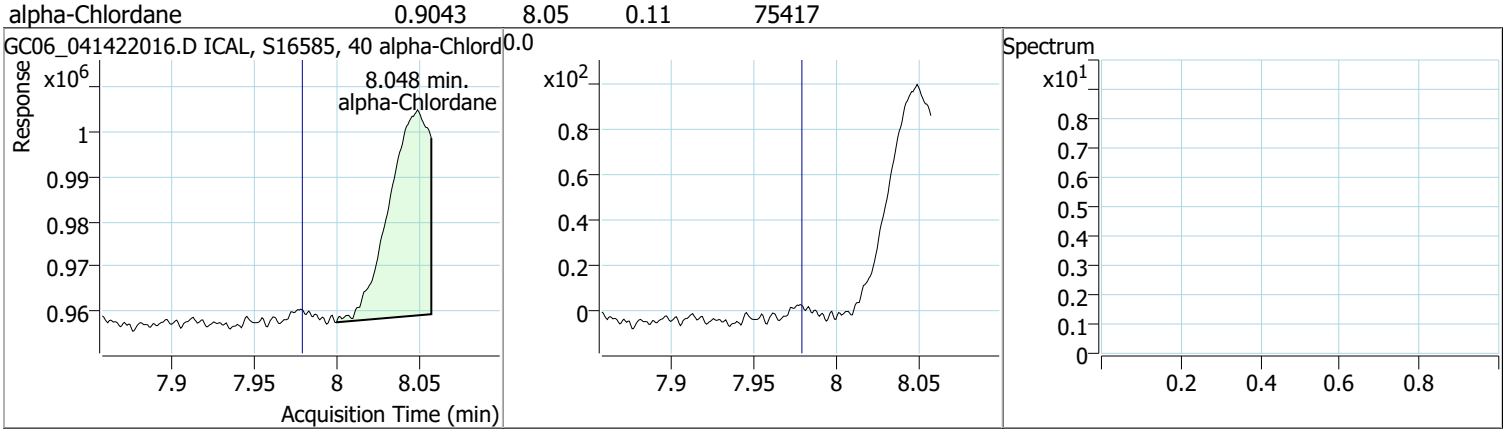
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.3664	7.68	-0.04	30443			



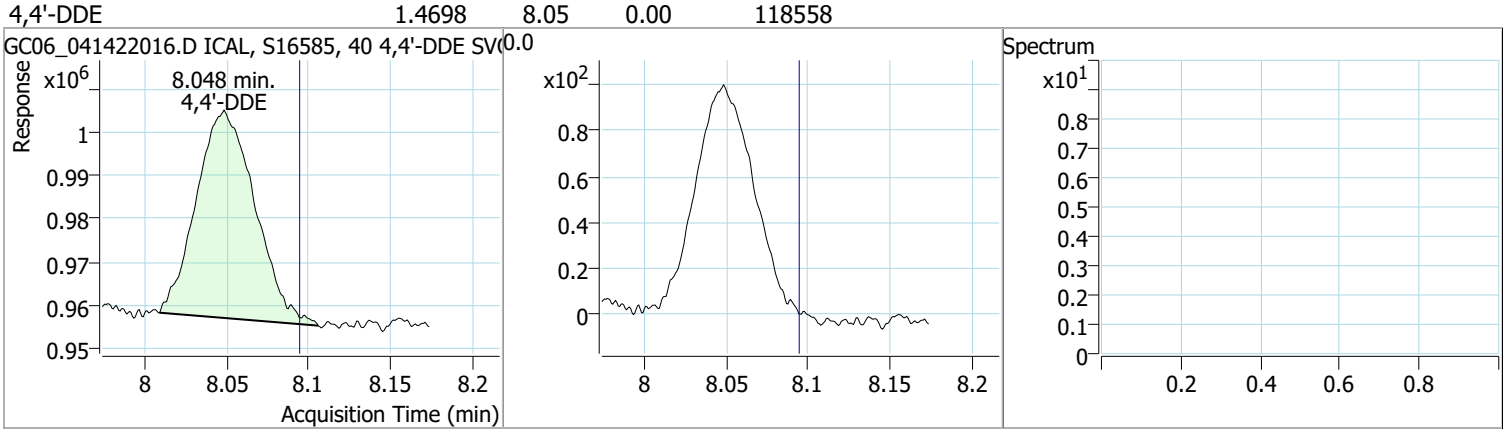
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	1.3925	7.83	-0.03	479154			



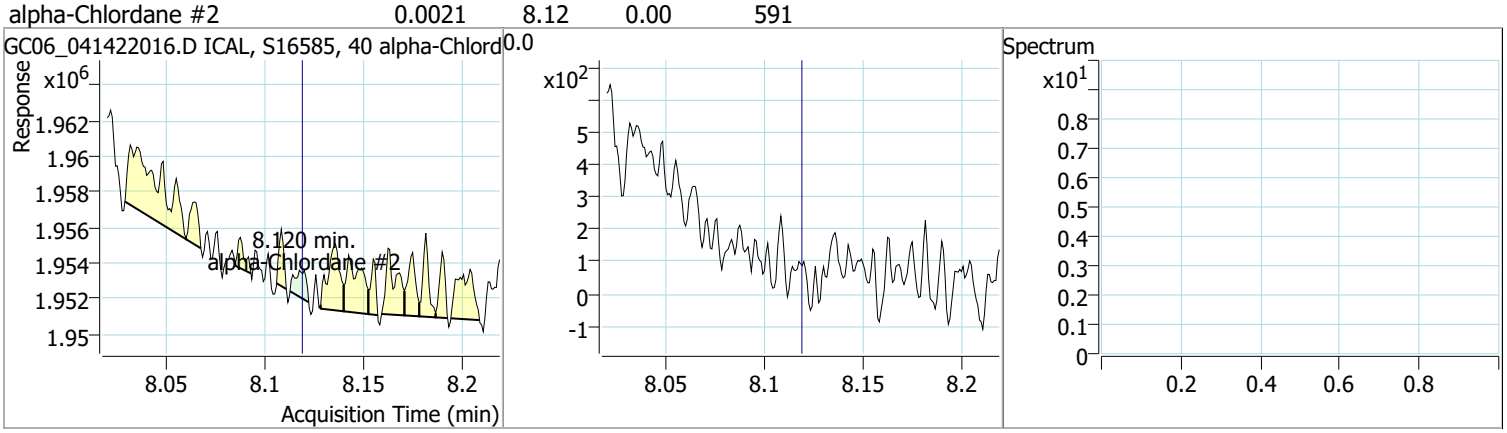
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	0.9043	8.05	0.11	75417			



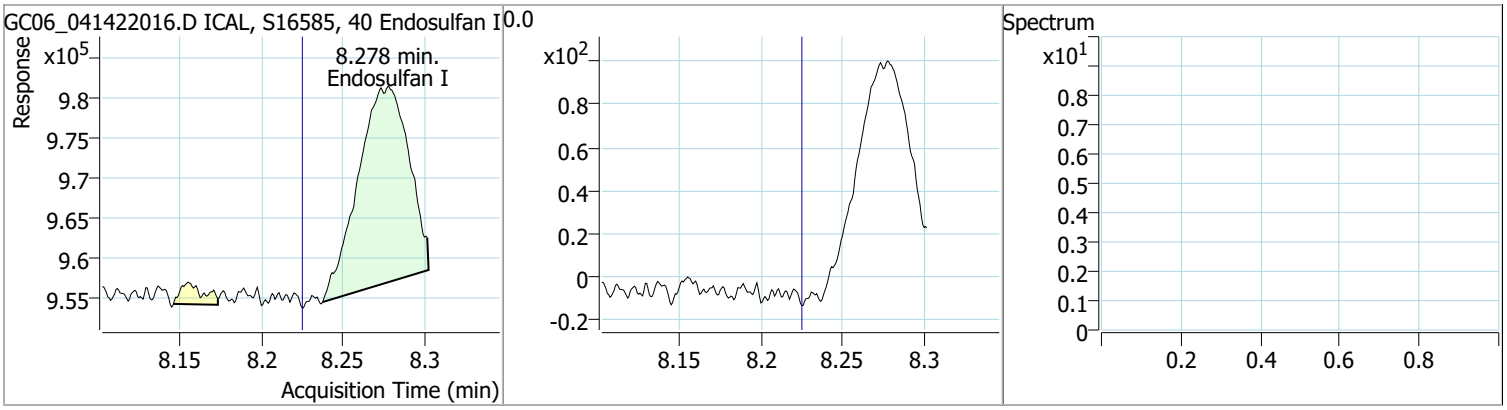
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	1.4698	8.05	0.00	118558			



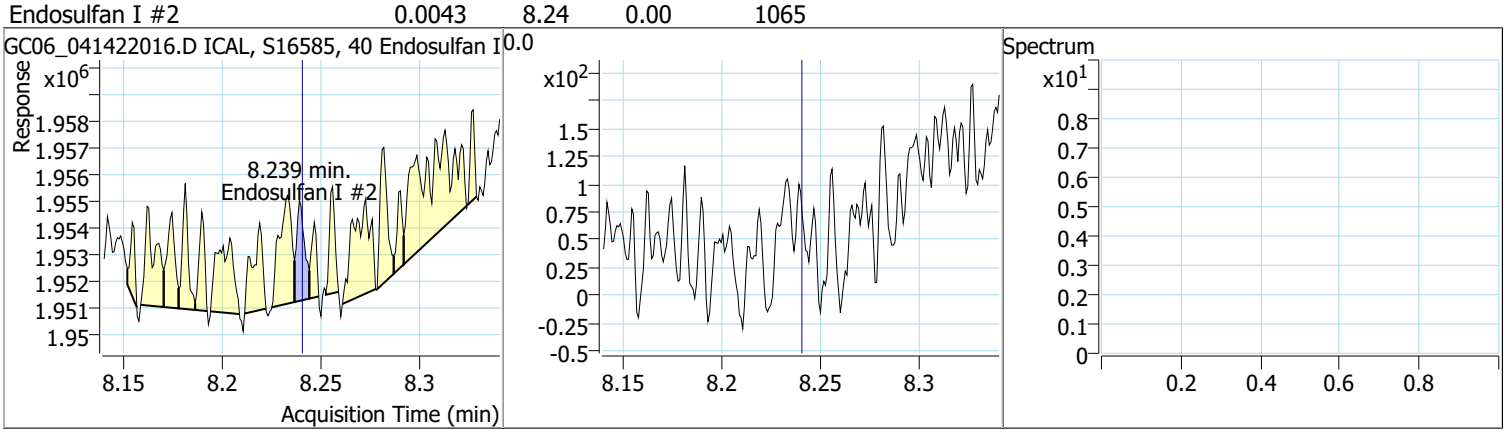
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane #2	0.0021	8.12	0.00	591			



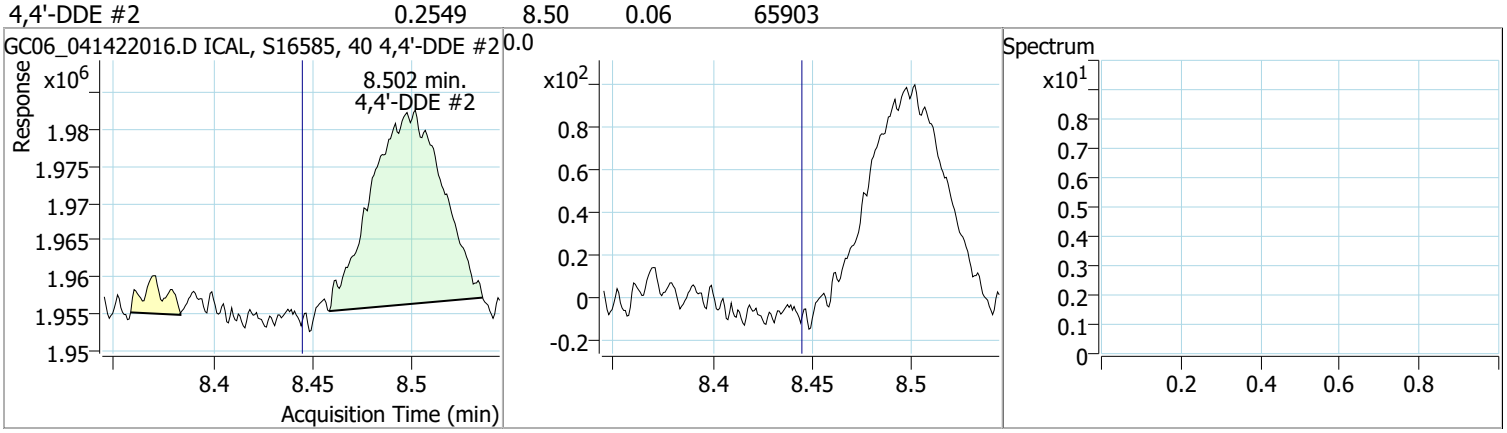
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	0.6969	8.28	0.10	52820			



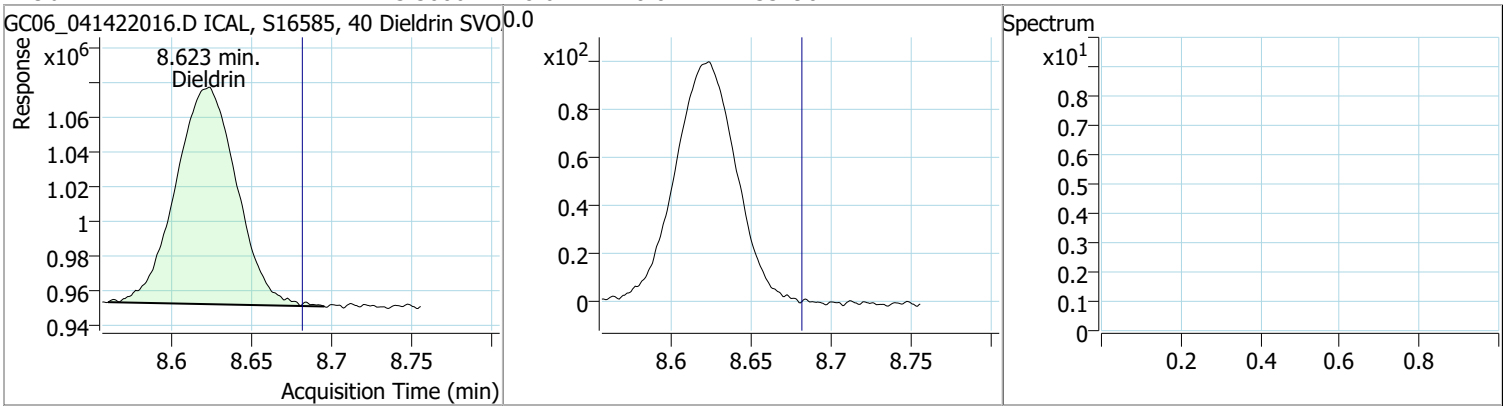
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I #2	0.0043	8.24	0.00	1065			



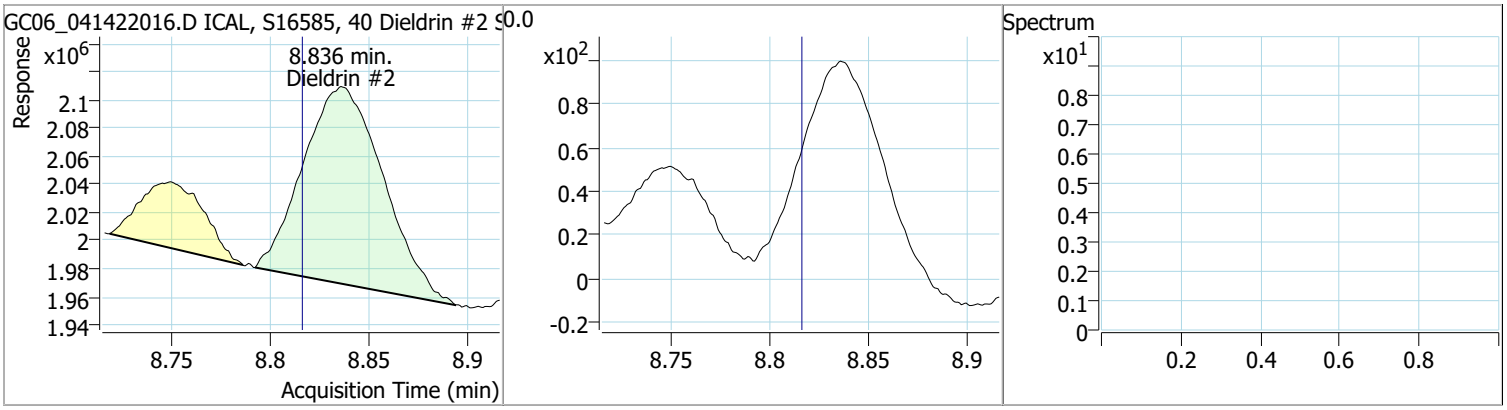
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	0.2549	8.50	0.06	65903			



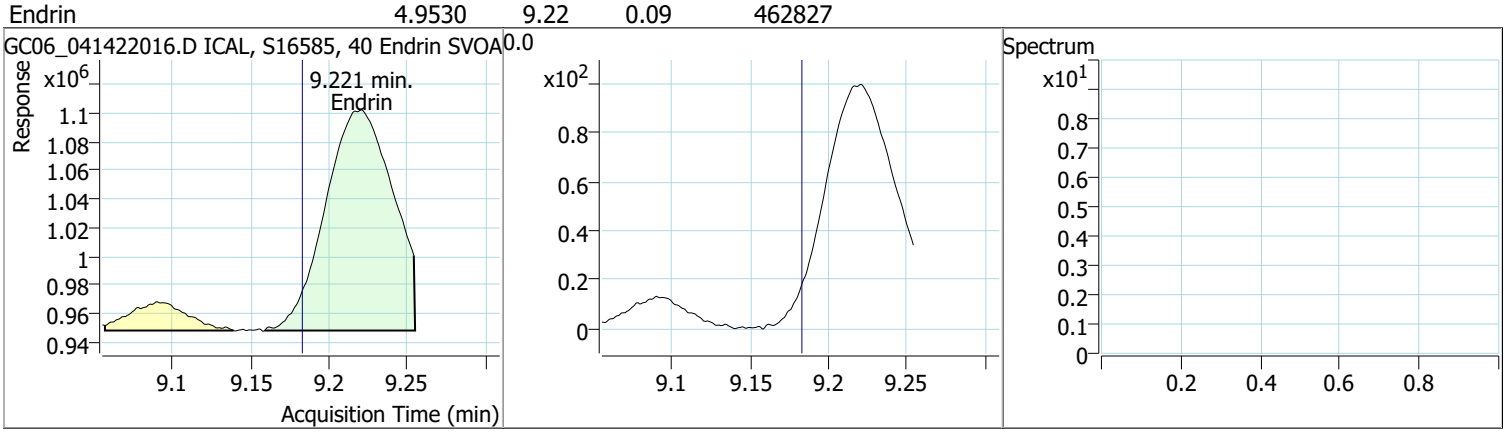
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin	3.5006	8.62	-0.01	332902			



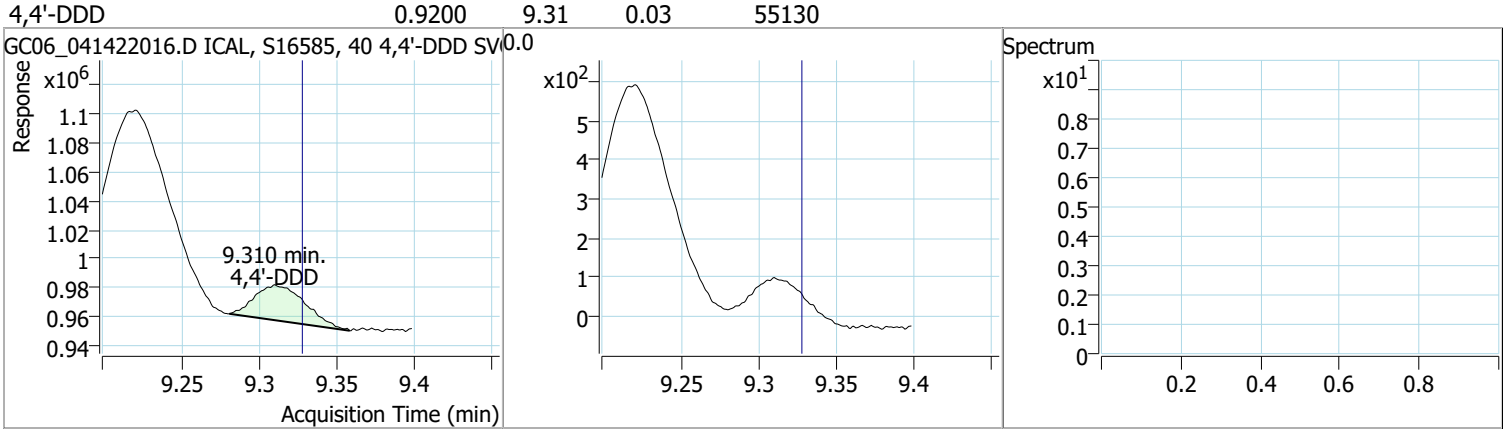
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	1.3419	8.84	0.02	394595			



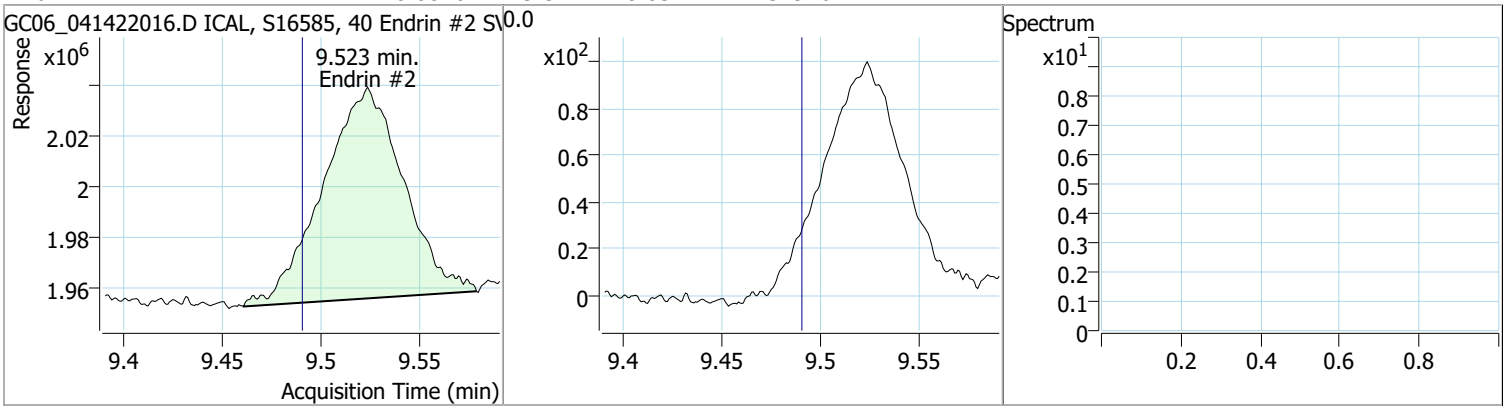
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin	4.9530	9.22	0.09	462827			



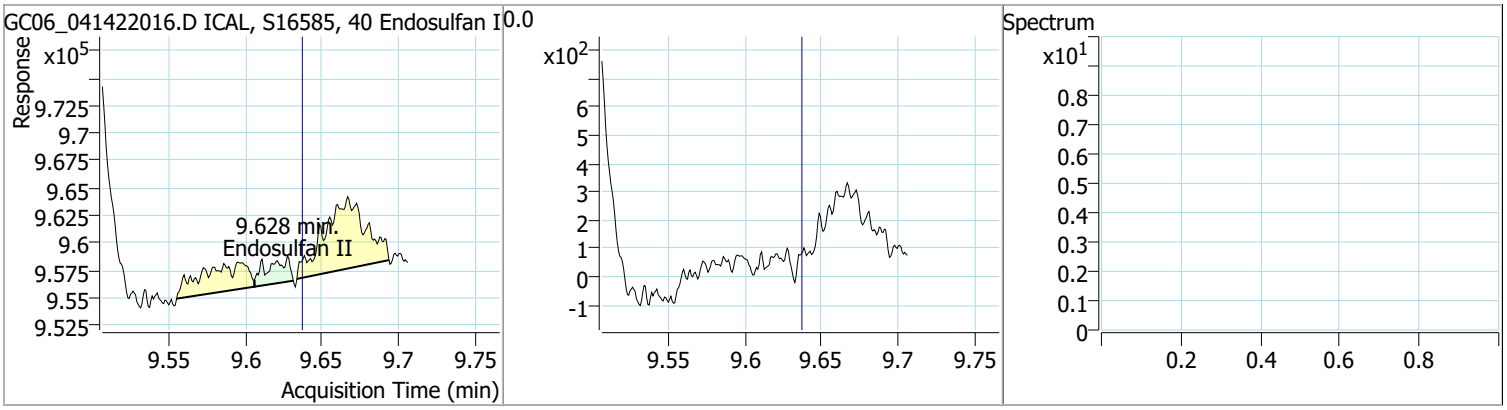
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	0.9200	9.31	0.03	55130			



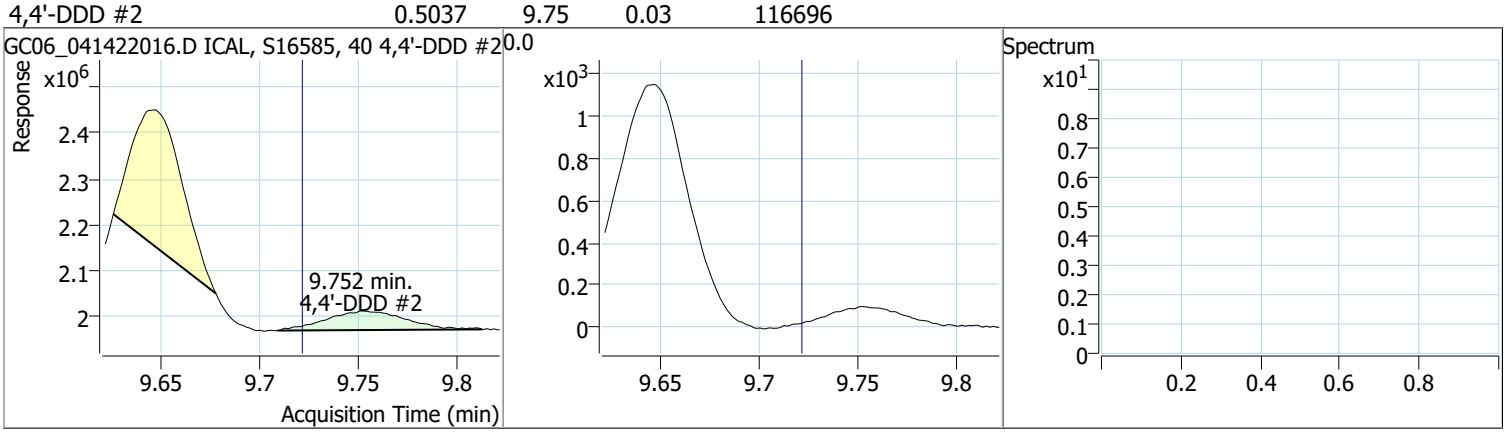
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endrin #2	0.8826	9.52	0.03	232946		



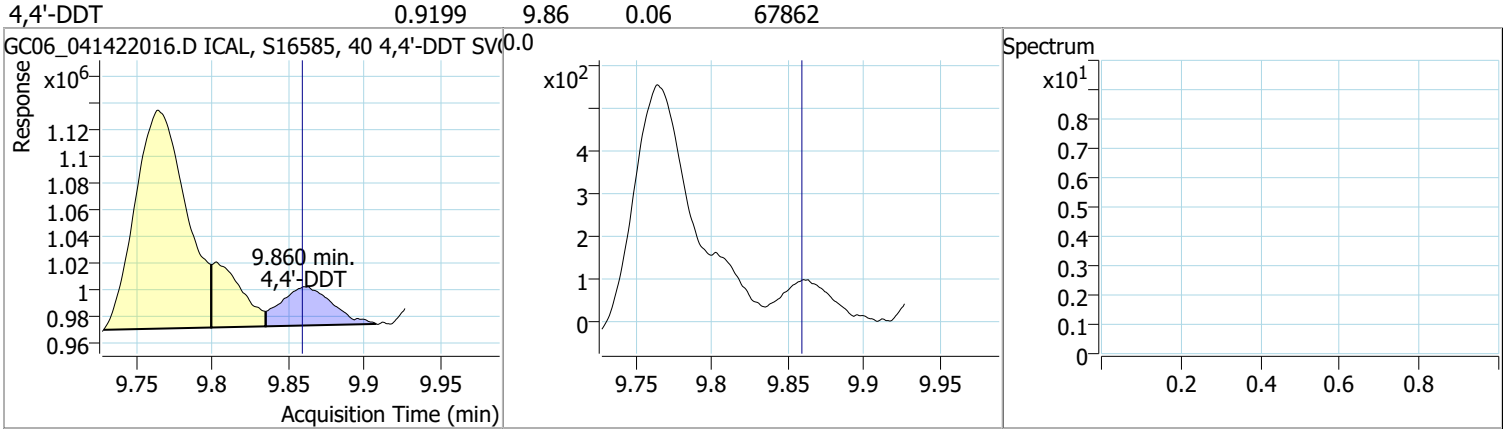
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endosulfan II	0.0277	9.63	0.04	2270		



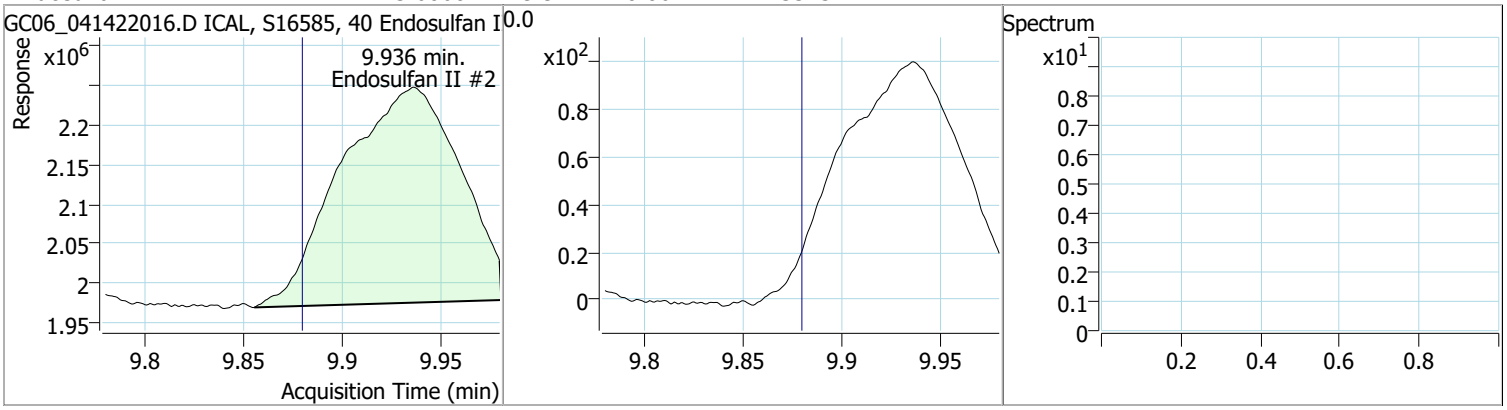
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	0.5037	9.75	0.03	116696		



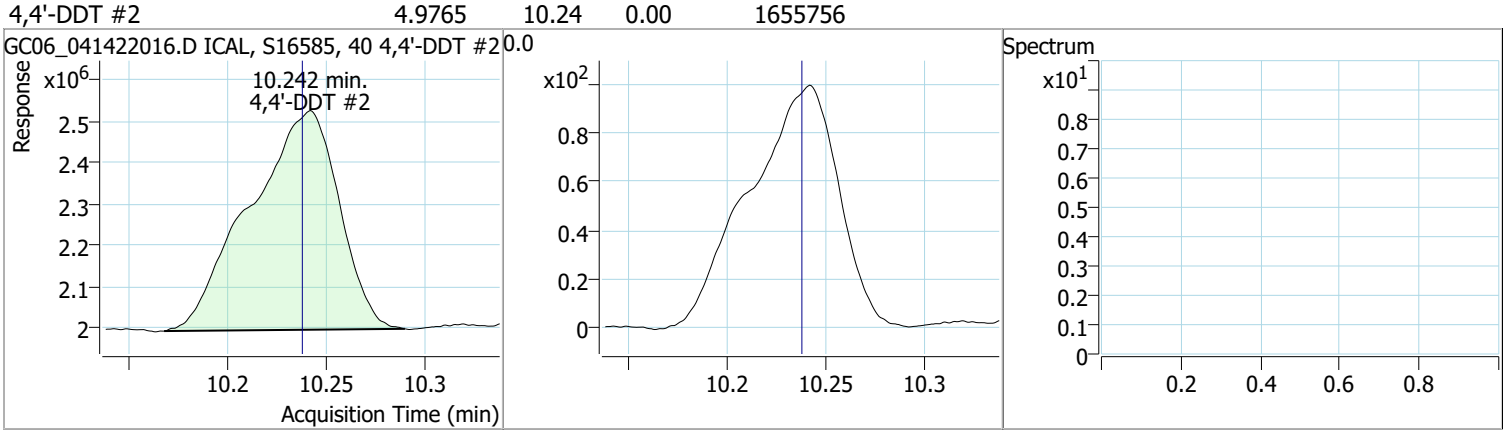
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	0.9199	9.86	0.06	67862		



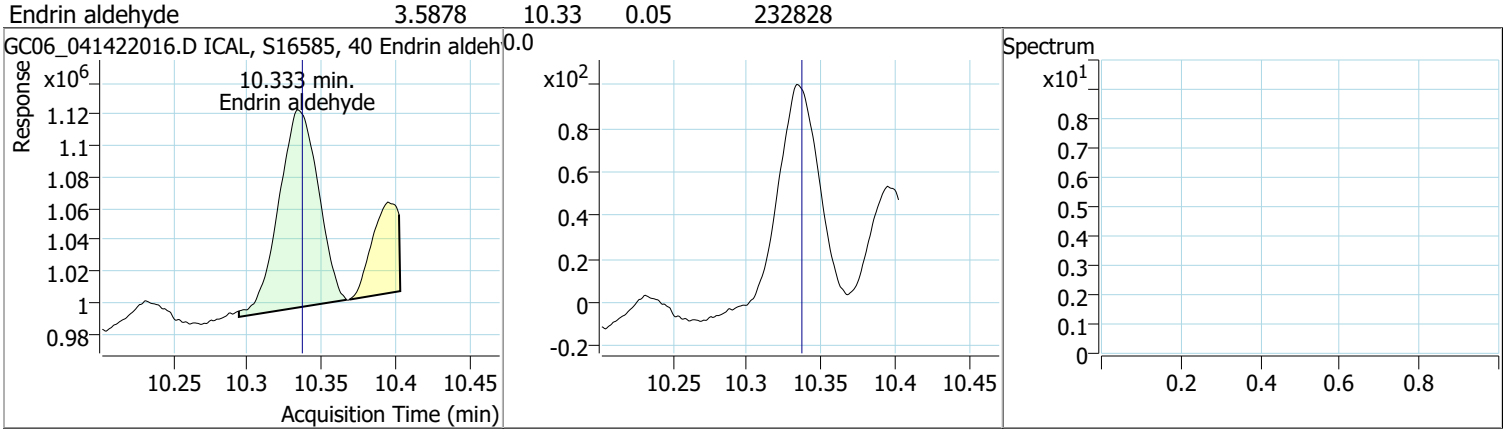
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	3.6060	9.94	0.06	1133452			



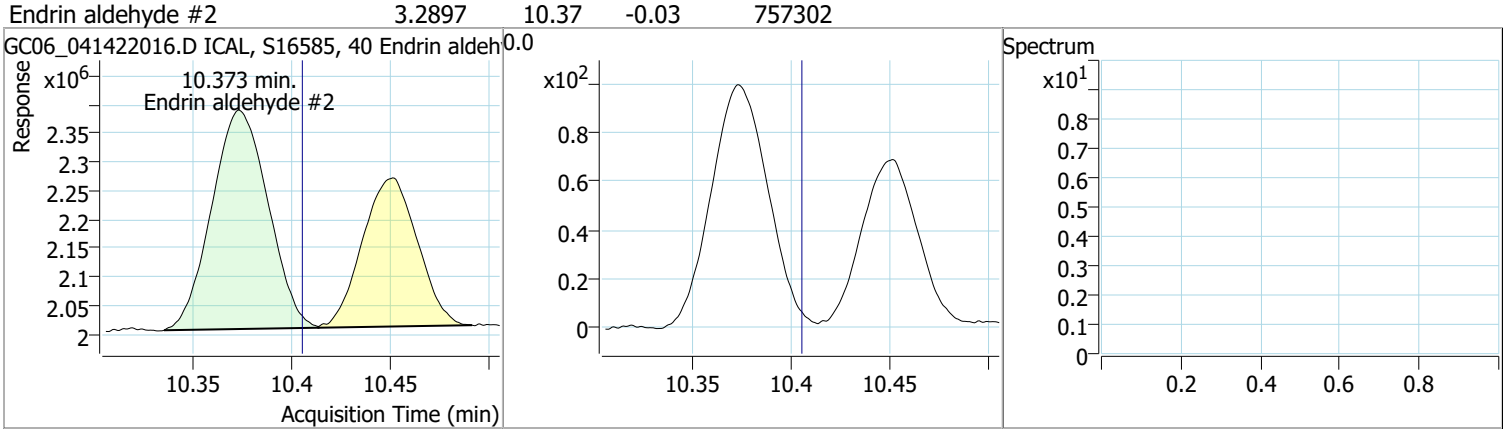
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	4.9765	10.24	0.00	1655756			



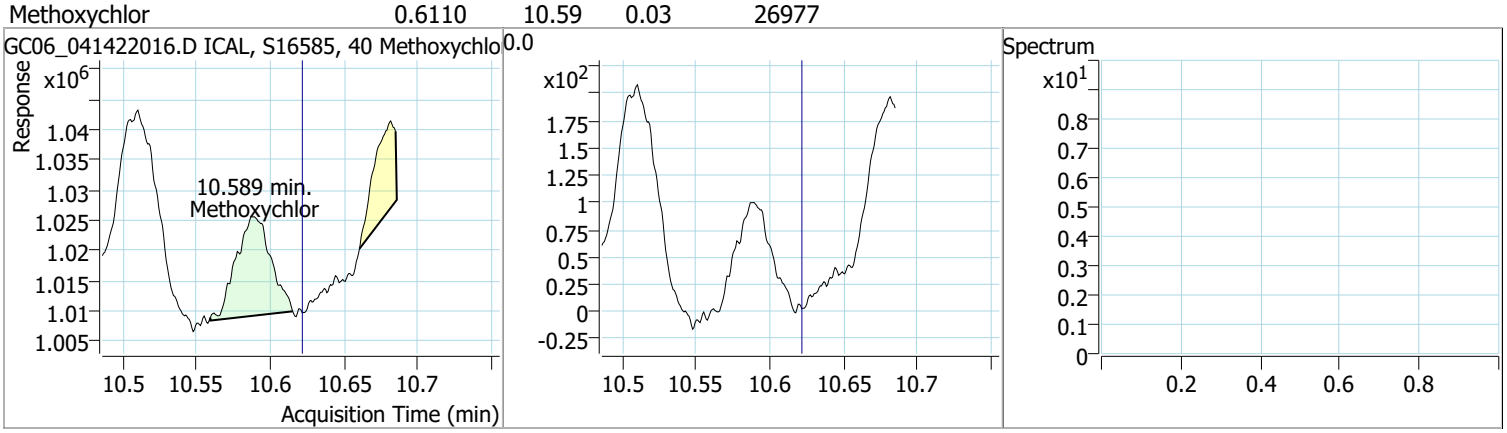
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	3.5878	10.33	0.05	232828			



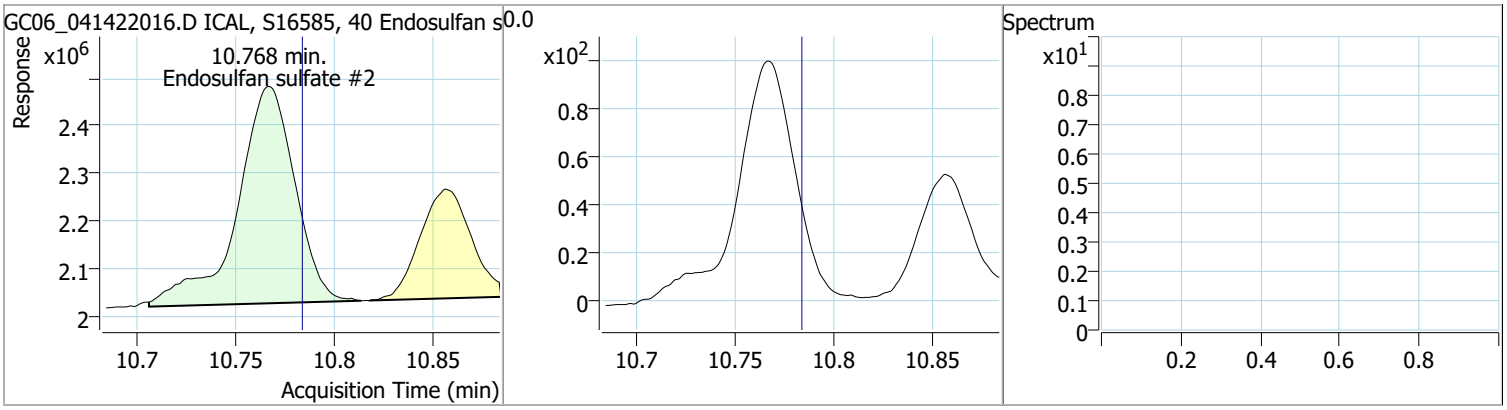
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	3.2897	10.37	-0.03	757302			



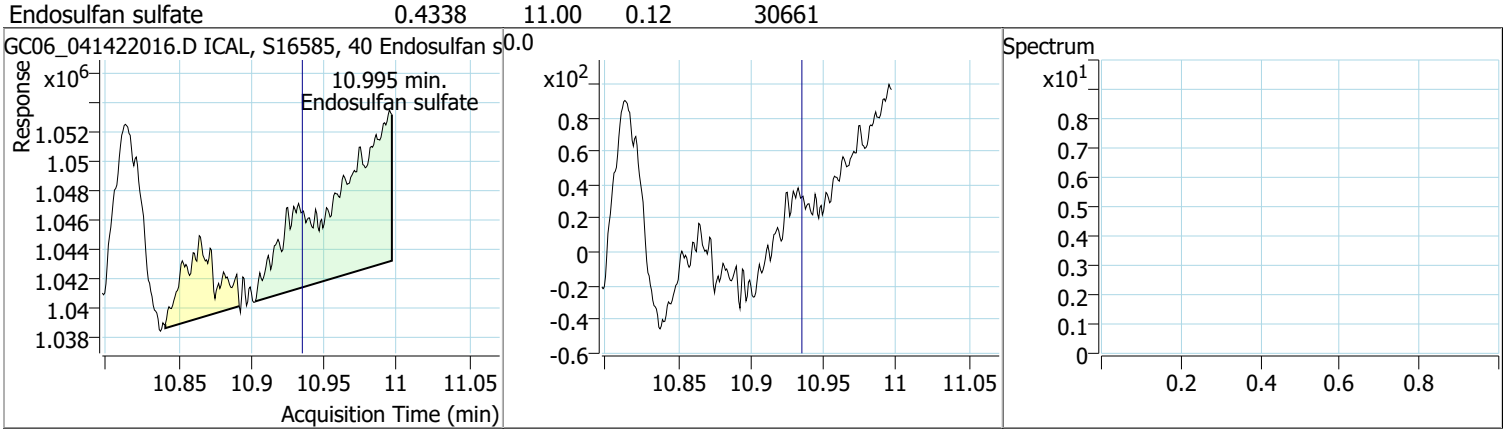
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	0.6110	10.59	0.03	26977			



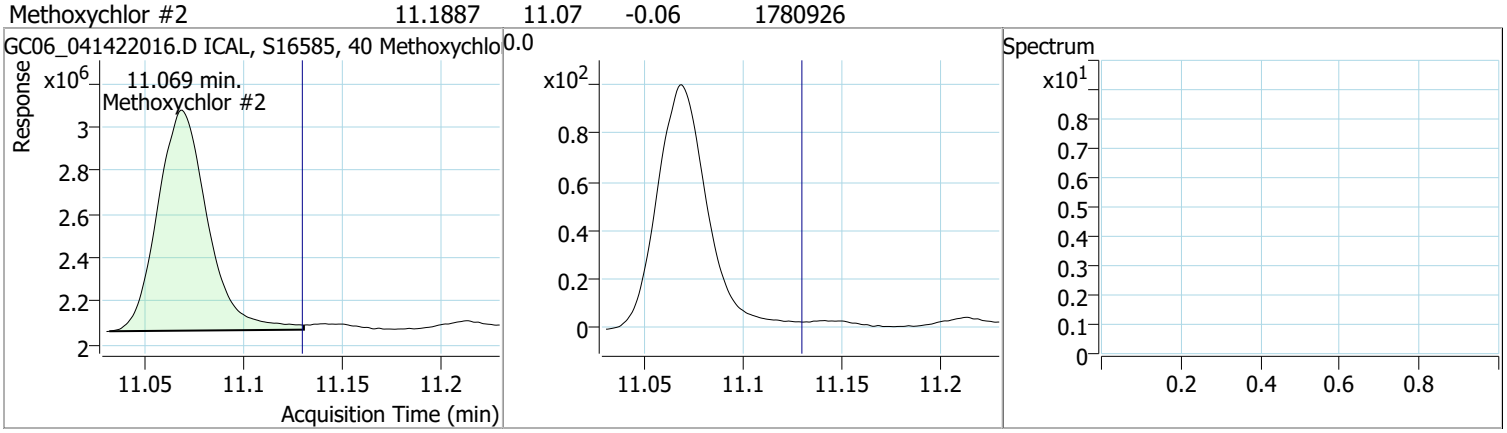
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	3.5192	10.77	-0.02	930538			



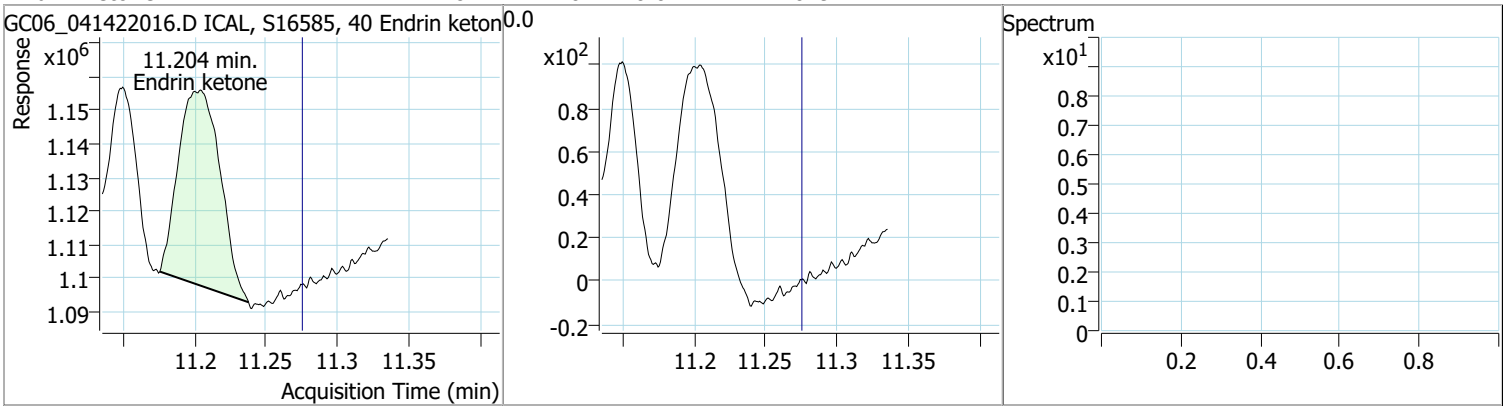
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	0.4338	11.00	0.12	30661			



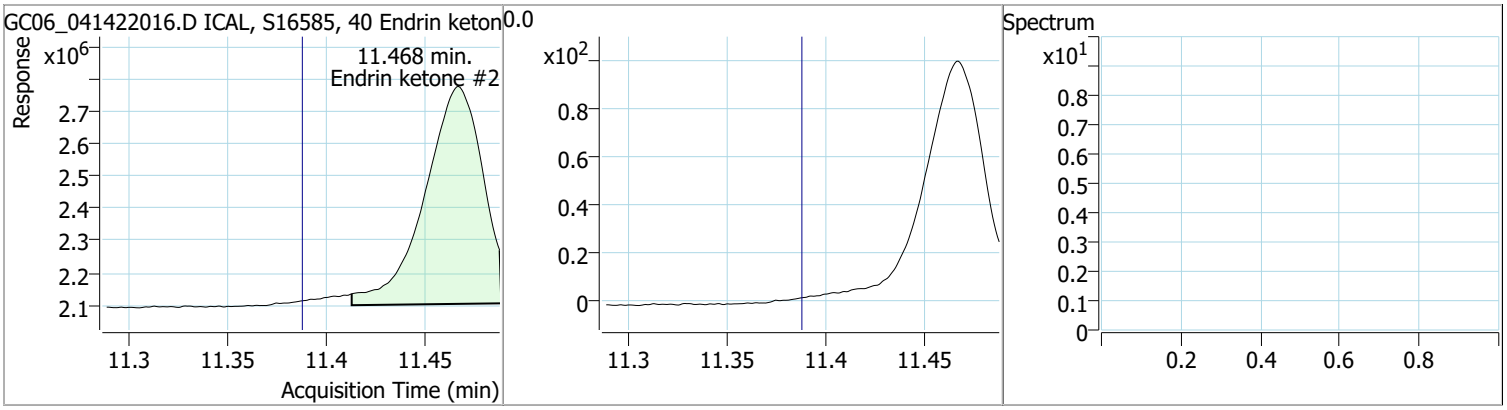
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	11.1887	11.07	-0.06	1780926			



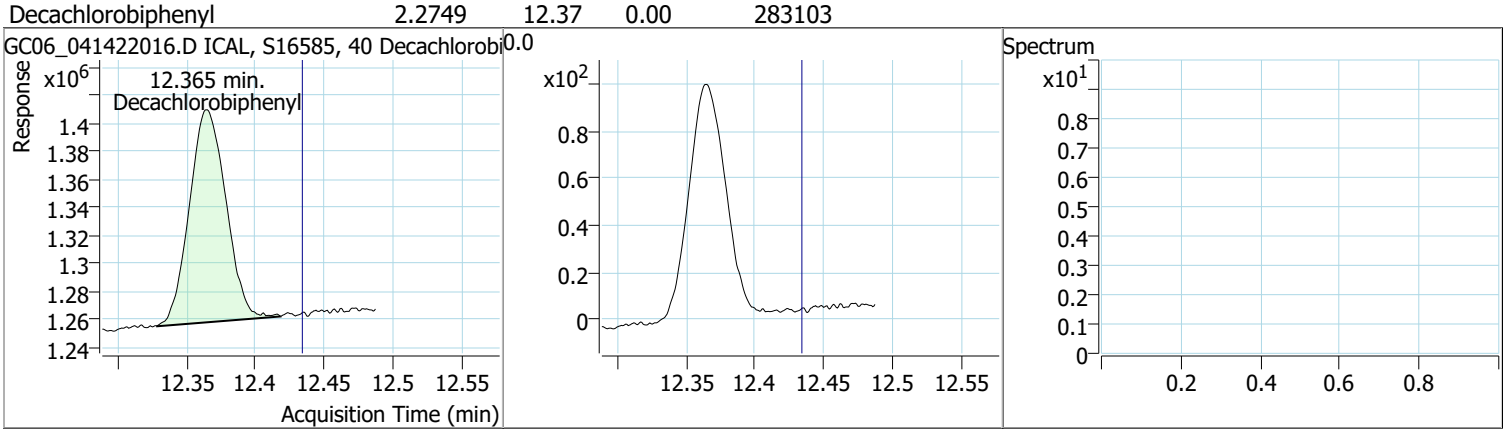
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	1.2778	11.20	-0.01	117079			



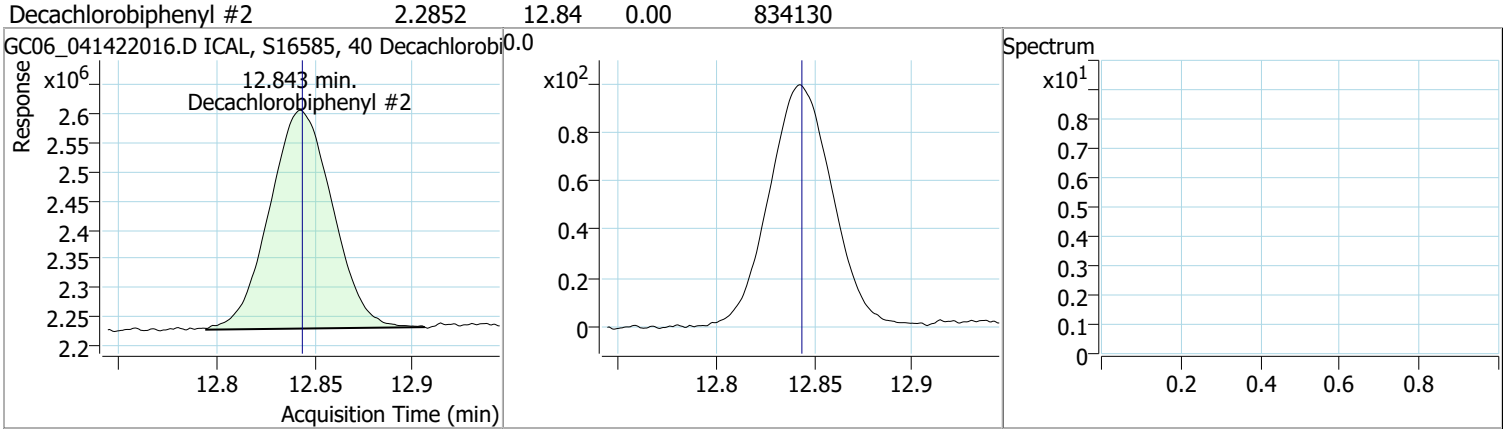
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	3.9694	11.47	0.08	1363092			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	2.2749	12.37	0.00	283103			

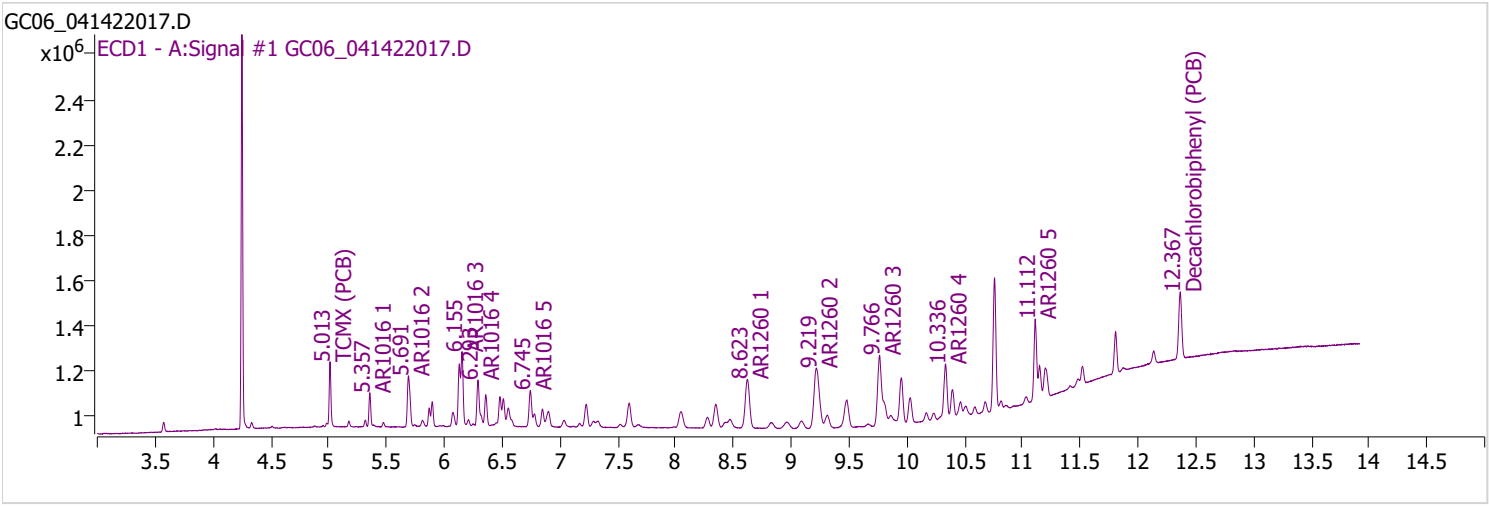


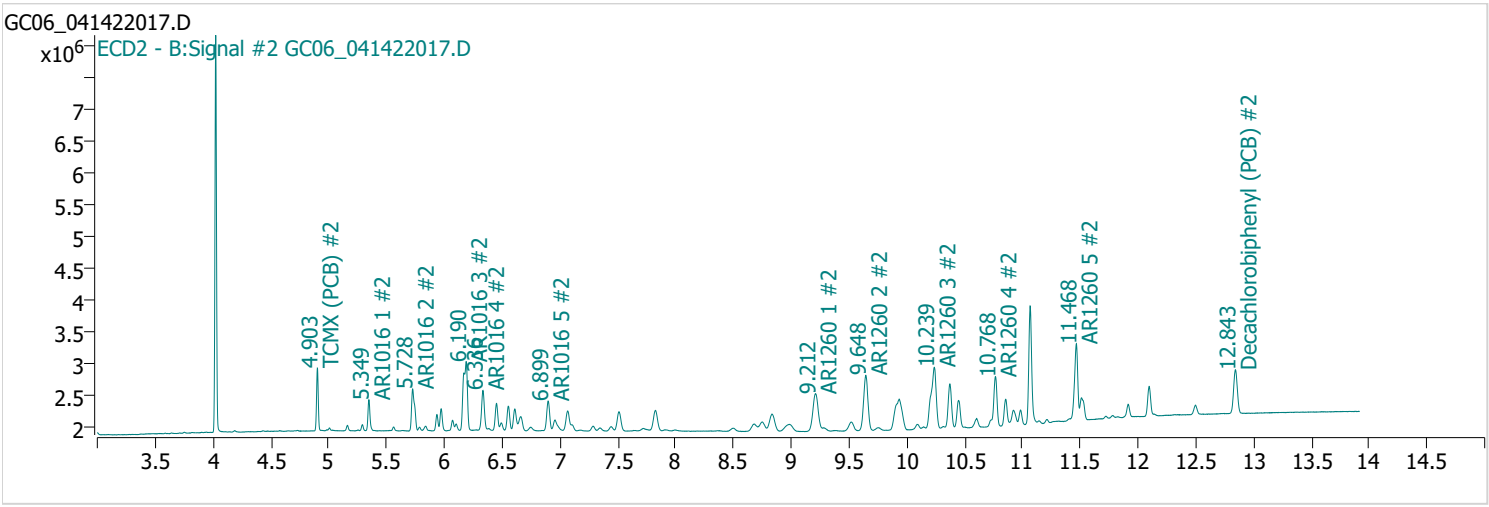
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	2.2852	12.84	0.00	834130			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422017.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 7:16:29 PM
Sample Name	ICAL, S16585, 20	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 113	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



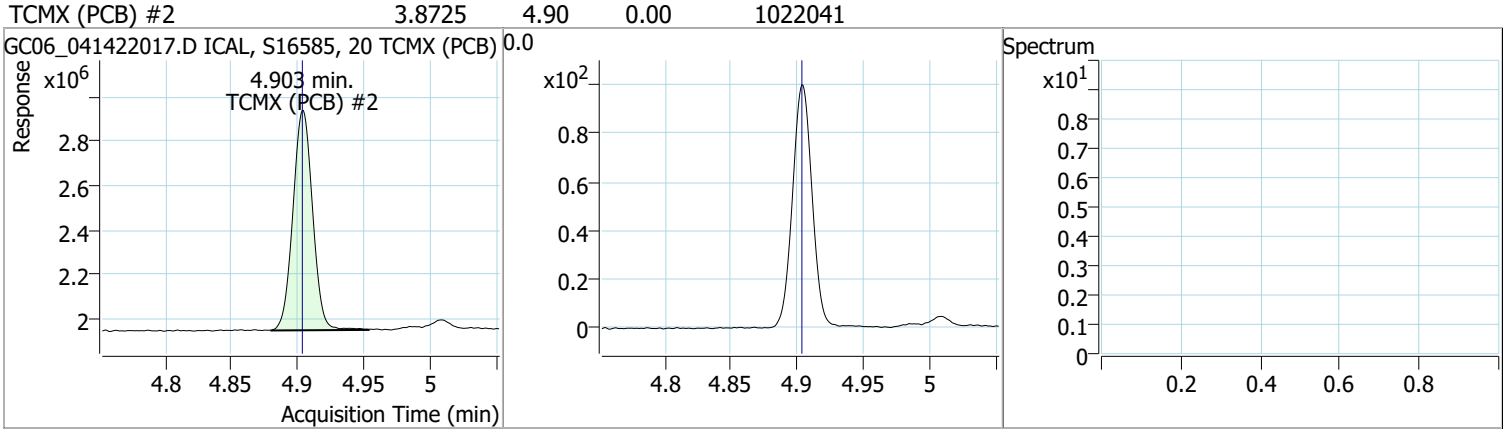


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.251	4.024	1622170	5762030	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.013	4.903	308043	1022041	3.948	3.873	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	19.74% *	19.36% *	
S Decachlorobiphenyl (PCB)	12.367	12.843	558001	1575553	4.524	4.531	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	22.62% *	22.66% *	
Target Compounds							
T AR1016 1	5.357	5.349	169121	620281	106.582	114.953	ng/ml
T AR1016 2	5.691	5.728	372547	1226965	107.829	109.570	ng/ml
T AR1016 3	6.155	6.190	432600	1559397 m	106.390	105.594	ng/ml
T AR1016 4	6.293	6.336	327124	1069117	107.505	106.708	ng/ml
T AR1016 5	6.745	6.899	257542	834356	109.416	106.516	ng/ml
T AR1260 1	8.623	9.212	571288	1942370	111.907	111.379	ng/ml
T AR1260 2	9.219	9.648	876378	2239752	111.457	111.151	ng/ml
T AR1260 3	9.766	10.239	880788	2981275	107.754	108.897	ng/ml
T AR1260 4	10.336	10.768	442513	1604425	108.854	108.304	ng/ml

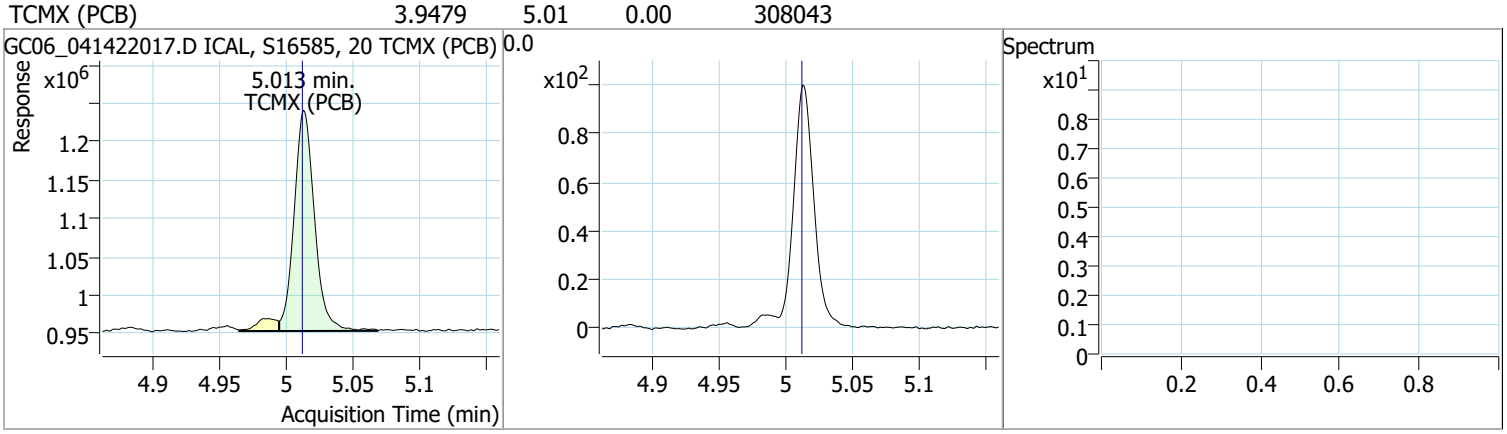
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.112	11.468	587244	2400549	109.144	109.910	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

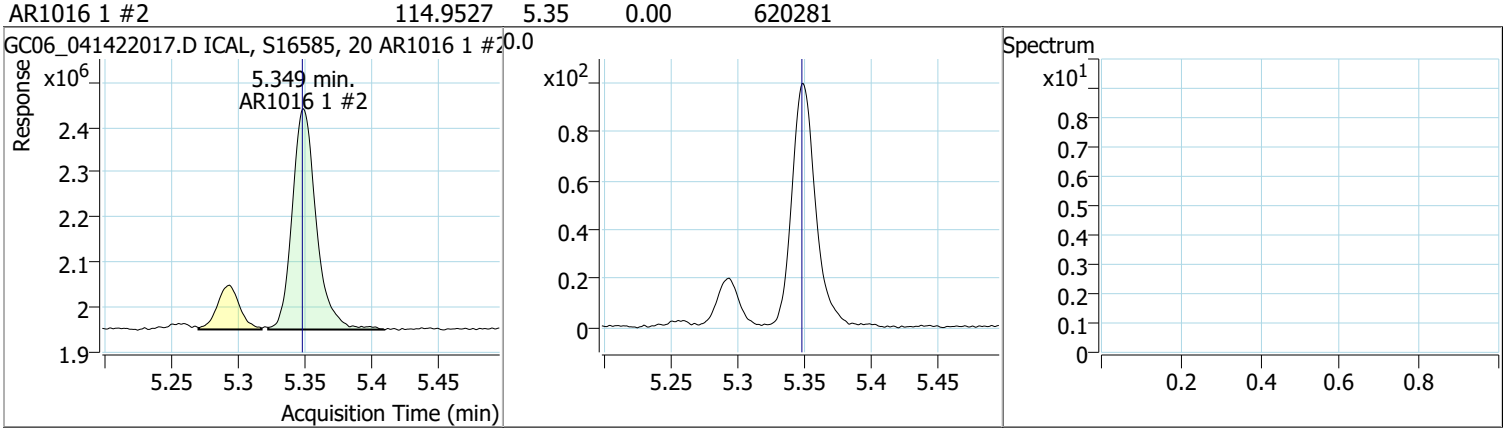
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	3.8725	4.90	0.00	1022041			



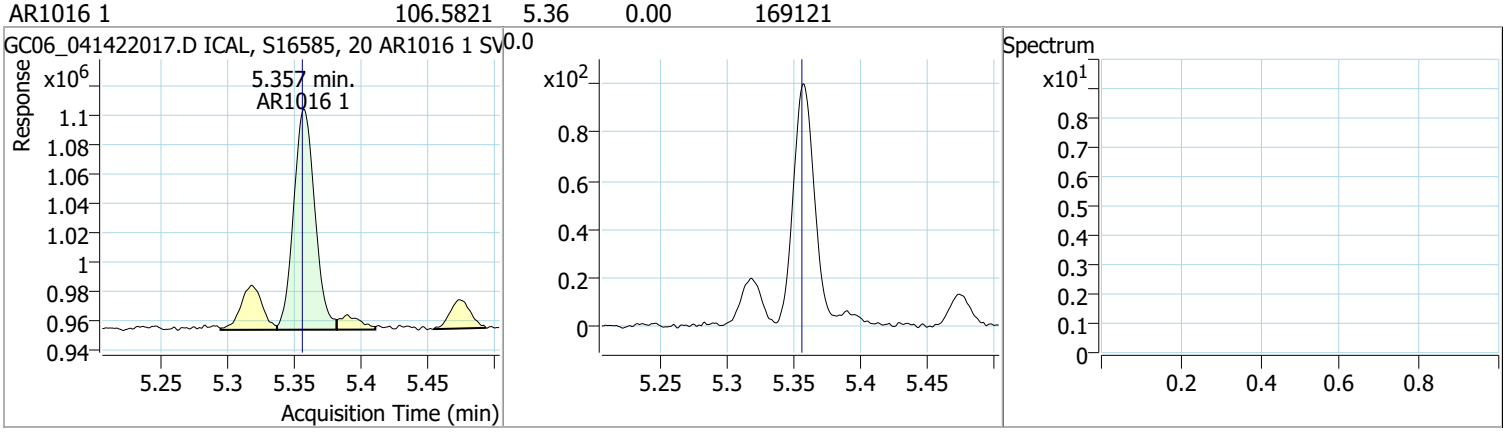
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	3.9479	5.01	0.00	308043			



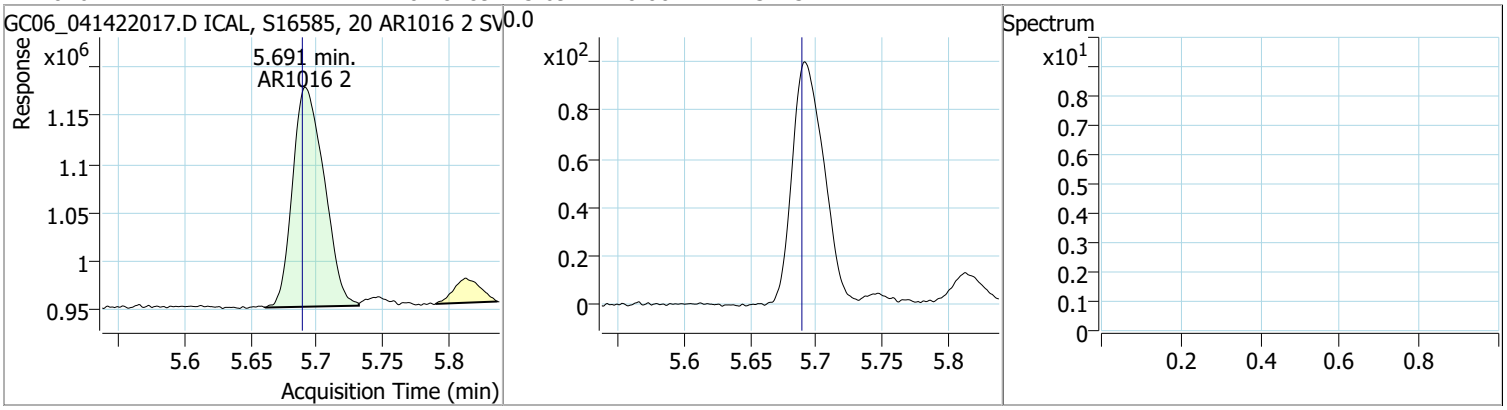
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	114.9527	5.35	0.00	620281			



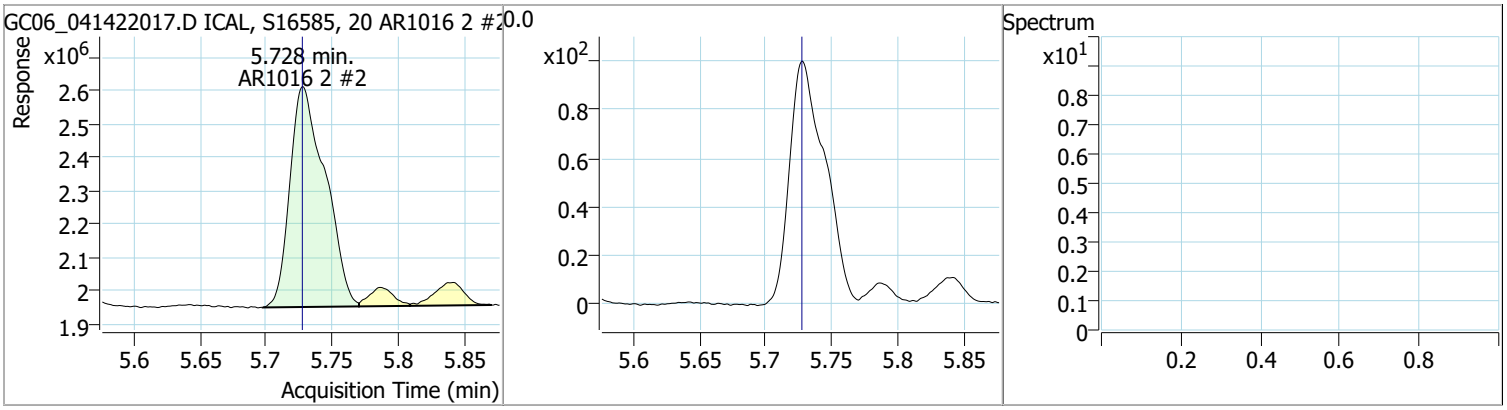
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	106.5821	5.36	0.00	169121			



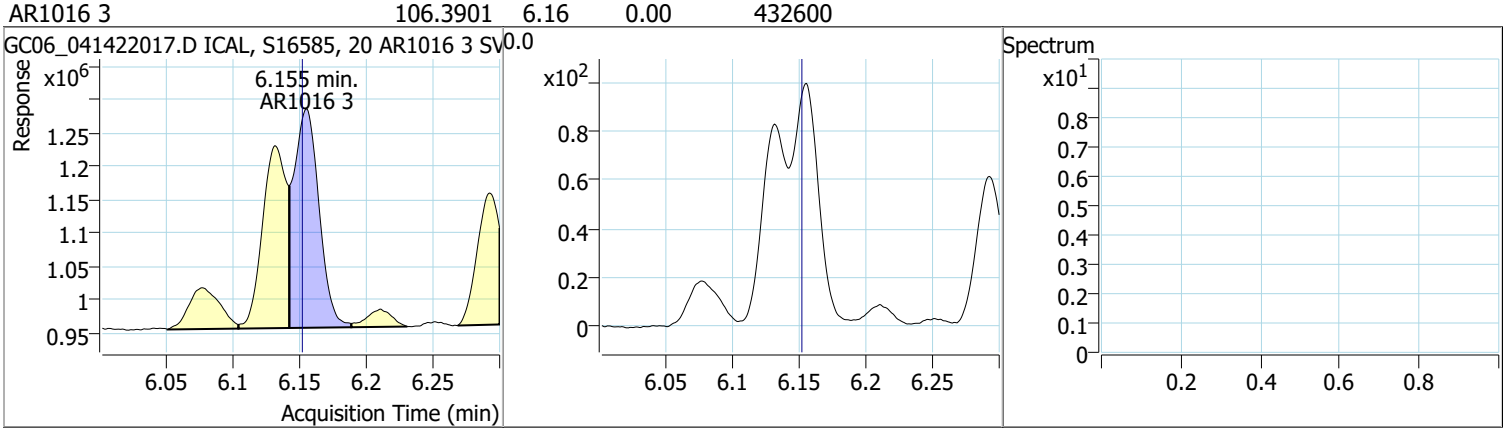
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	107.8289	5.69	0.00	372547			



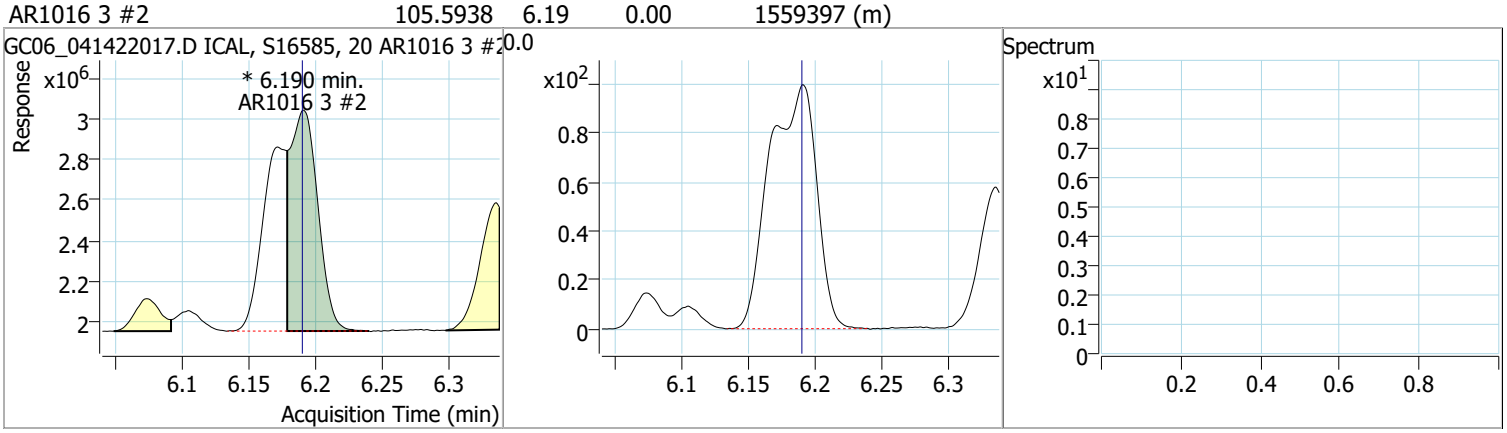
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	109.5703	5.73	0.00	1226965			



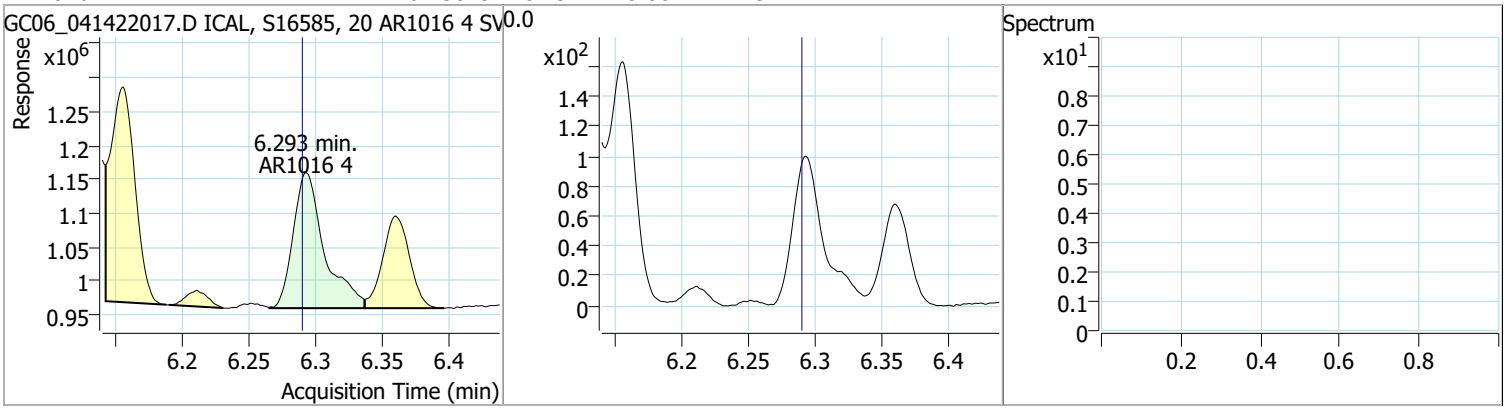
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	106.3901	6.16	0.00	432600			



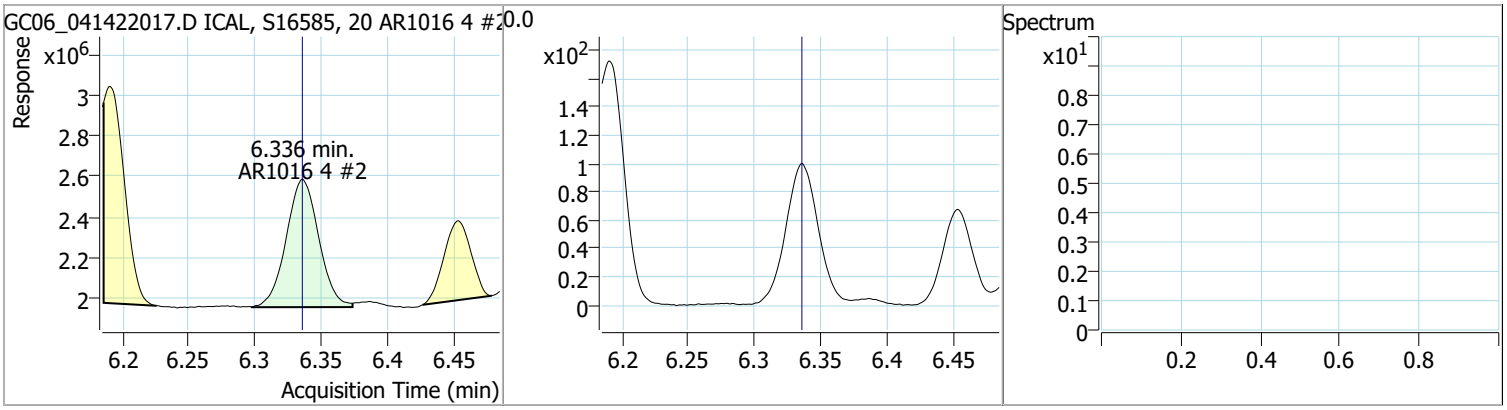
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	105.5938	6.19	0.00	1559397 (m)			



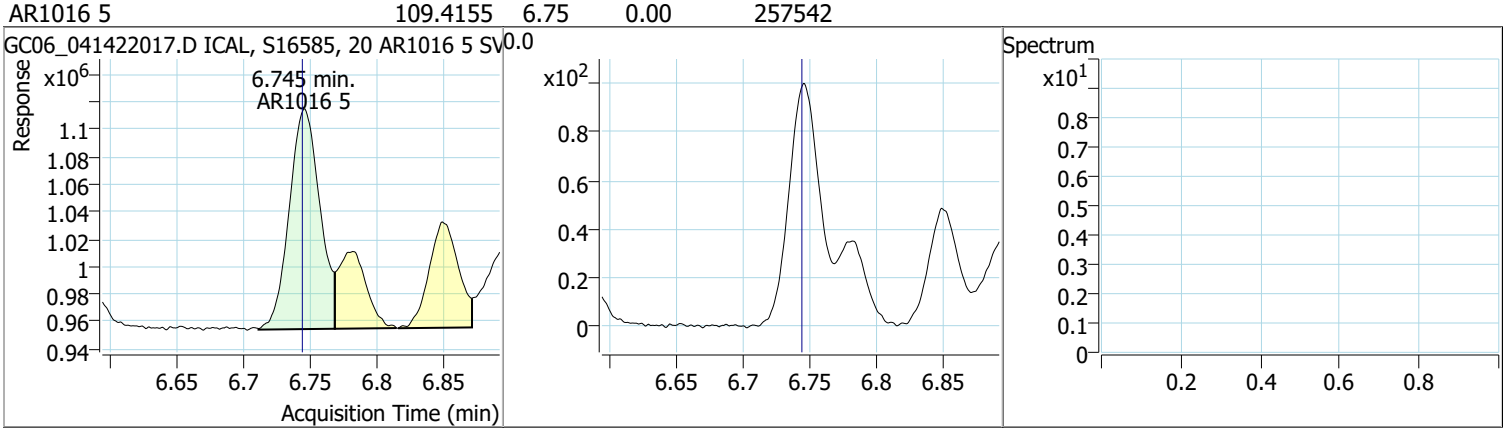
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	107.5049	6.29	0.00	327124			



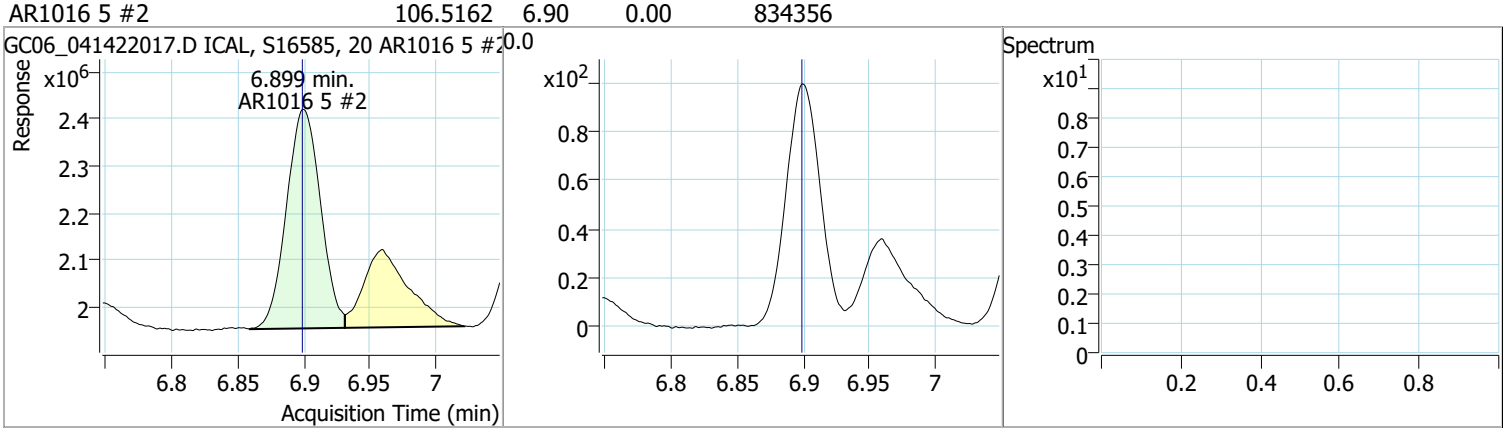
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	106.7085	6.34	0.00	1069117			



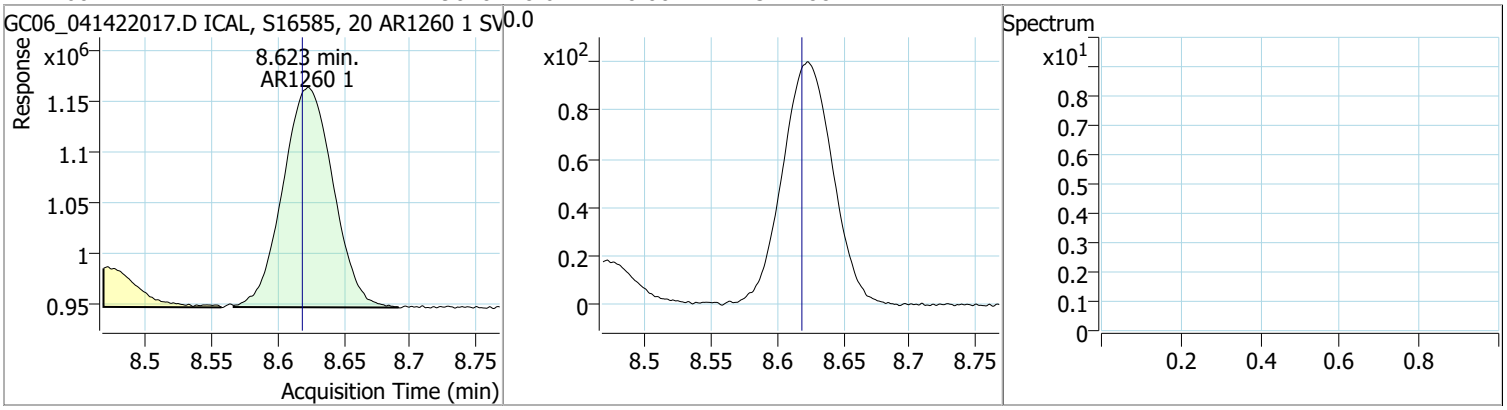
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	109.4155	6.75	0.00	257542			



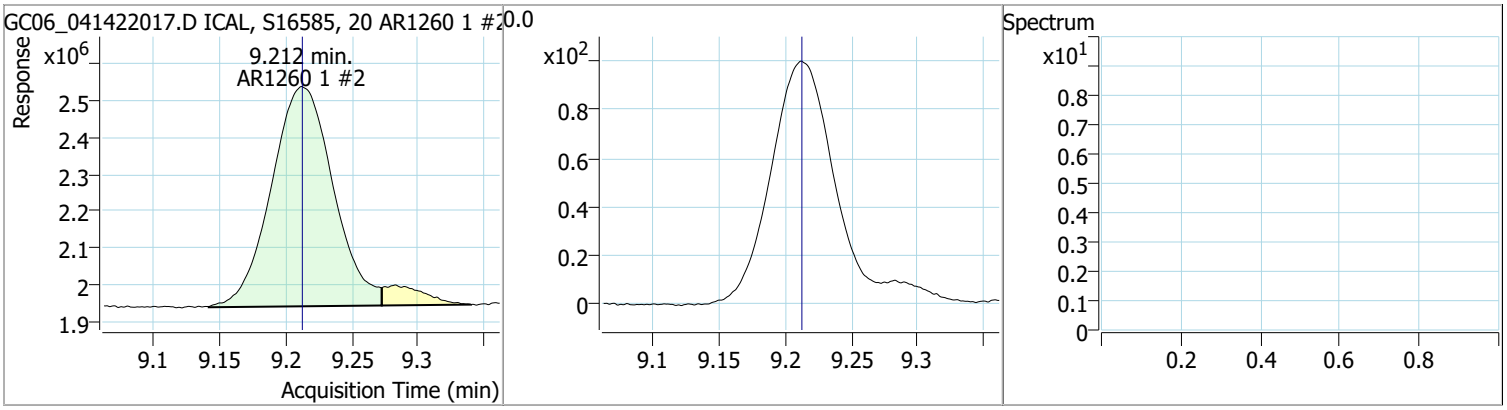
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	106.5162	6.90	0.00	834356			



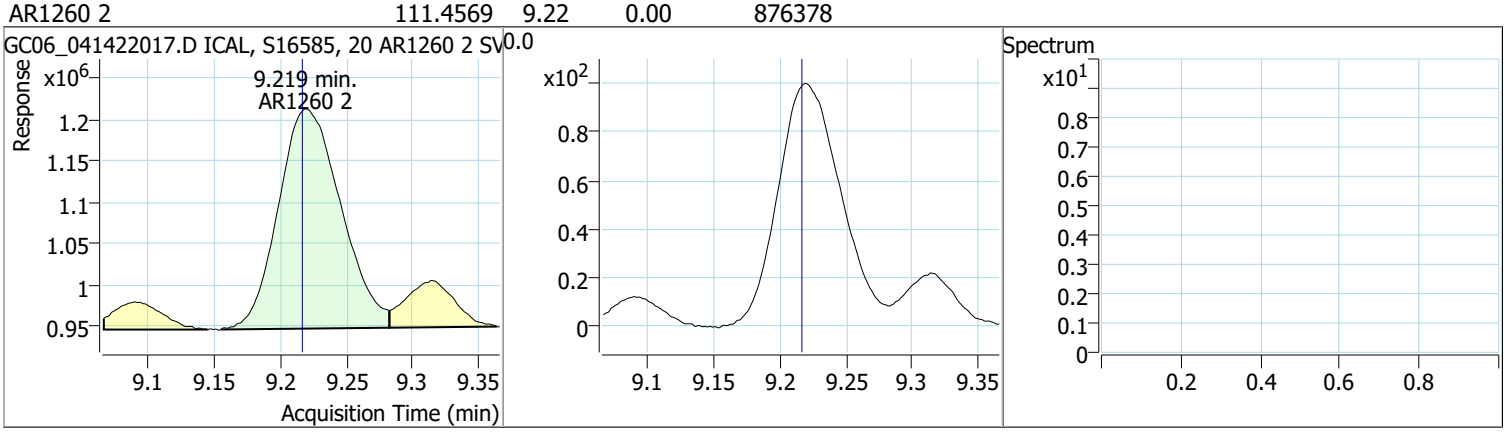
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
AR1260 1	111.9070	8.62	0.00	571288		



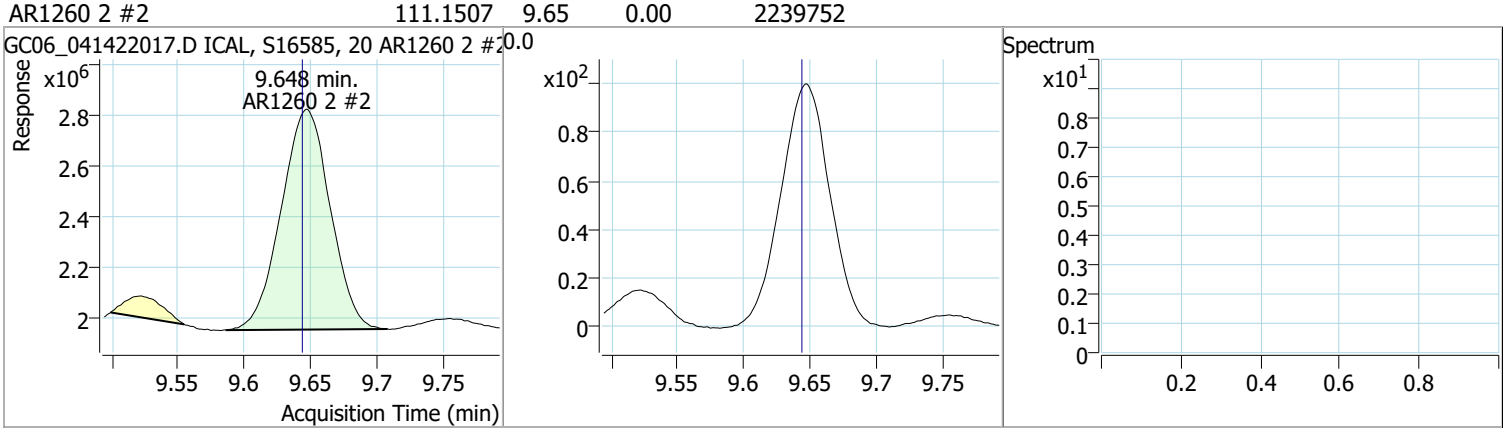
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
AR1260 1 #2	111.3788	9.21	0.00	1942370		



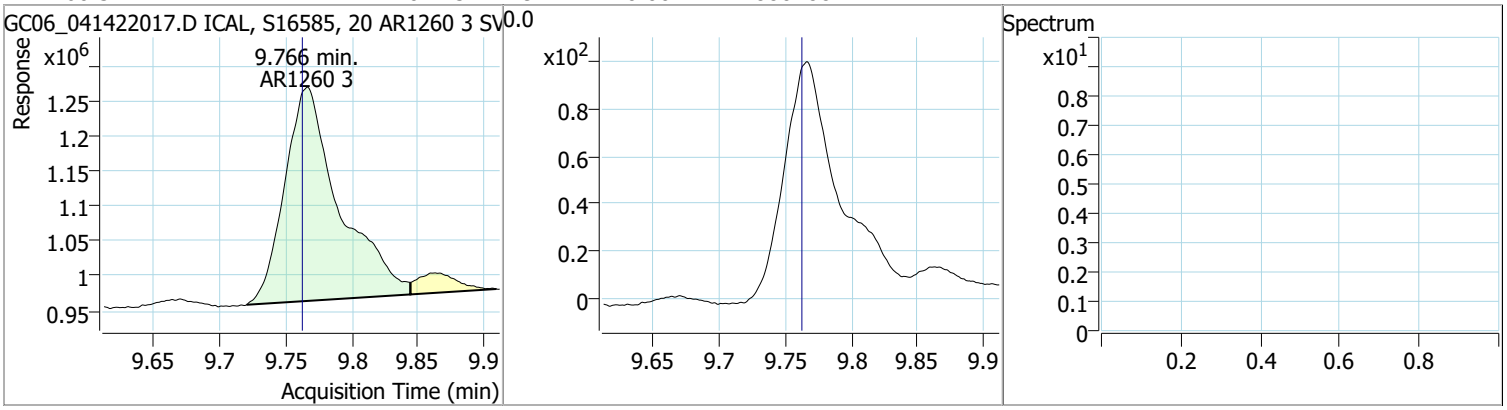
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
AR1260 2	111.4569	9.22	0.00	876378		



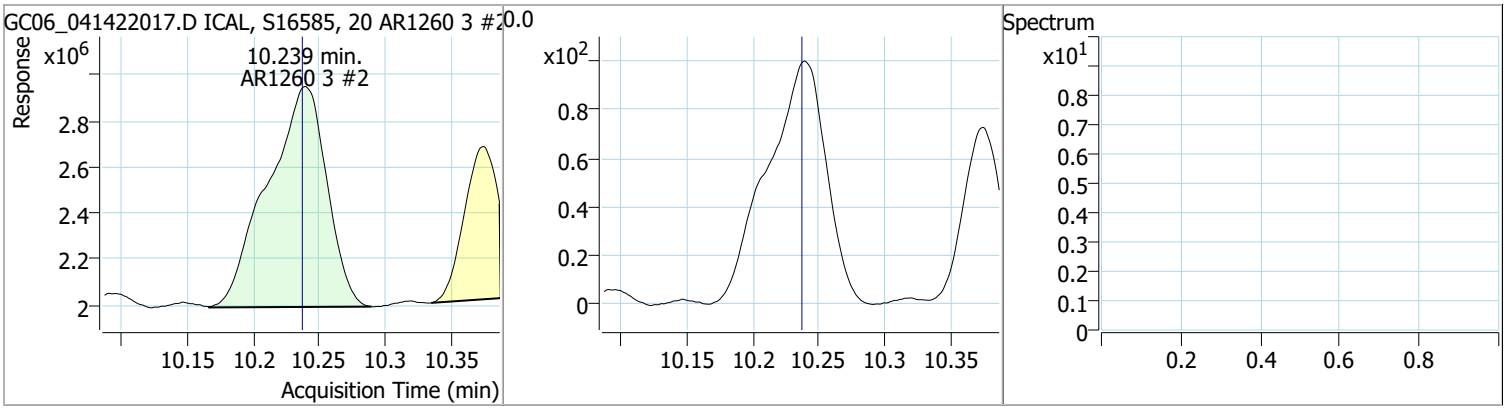
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
AR1260 2 #2	111.1507	9.65	0.00	2239752		



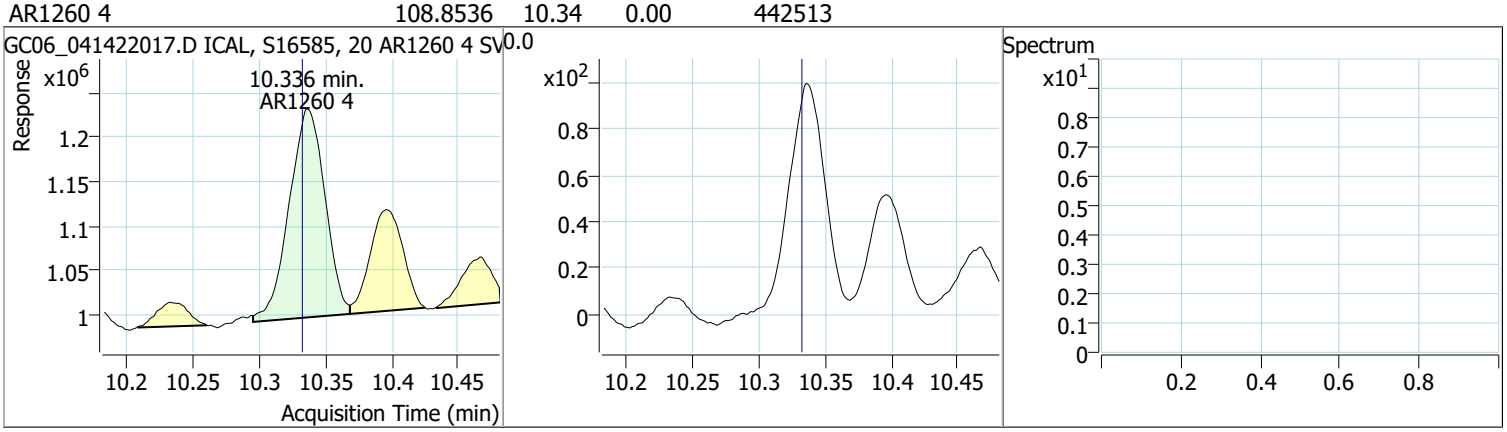
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	107.7542	9.77	0.00	880788			



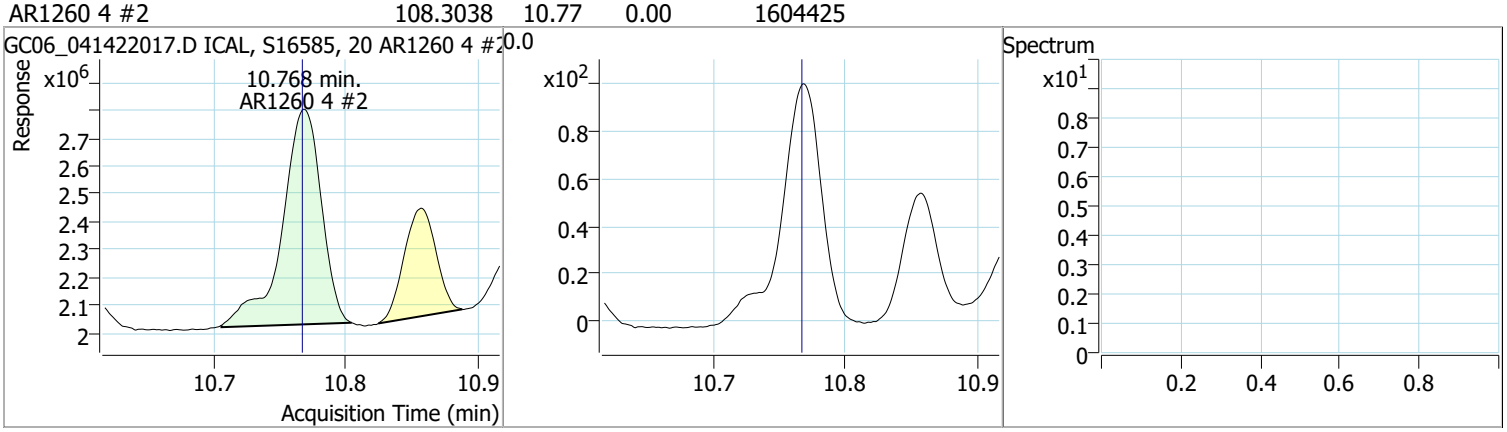
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	108.8974	10.24	0.00	2981275			



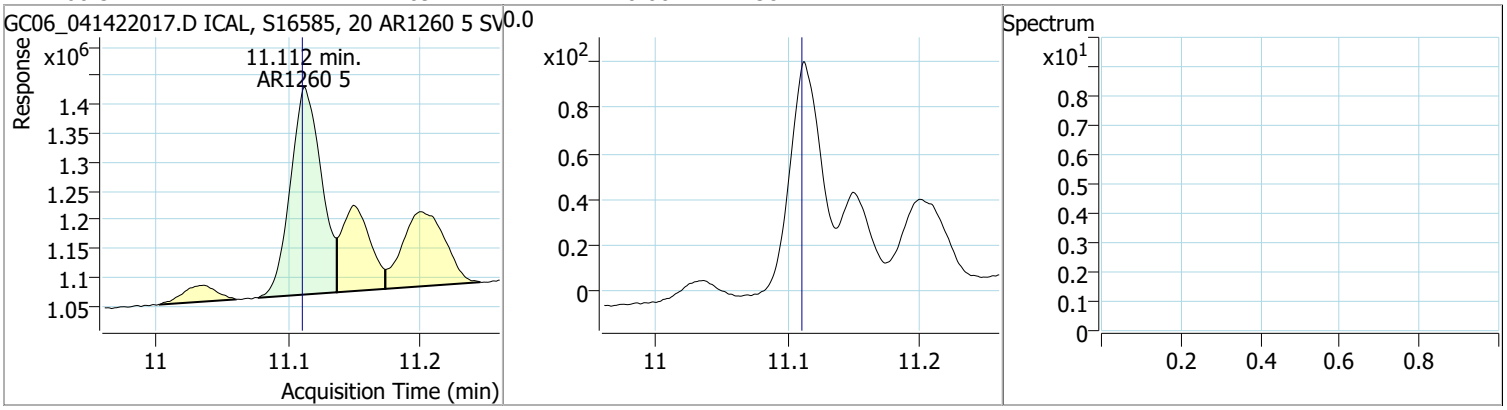
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	108.8536	10.34	0.00	442513			



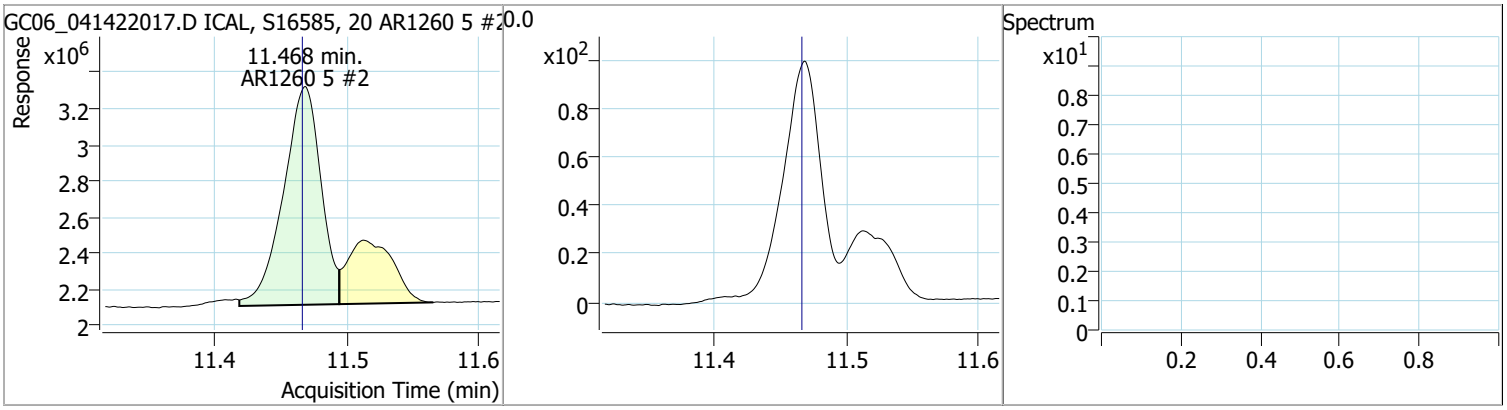
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	108.3038	10.77	0.00	1604425			



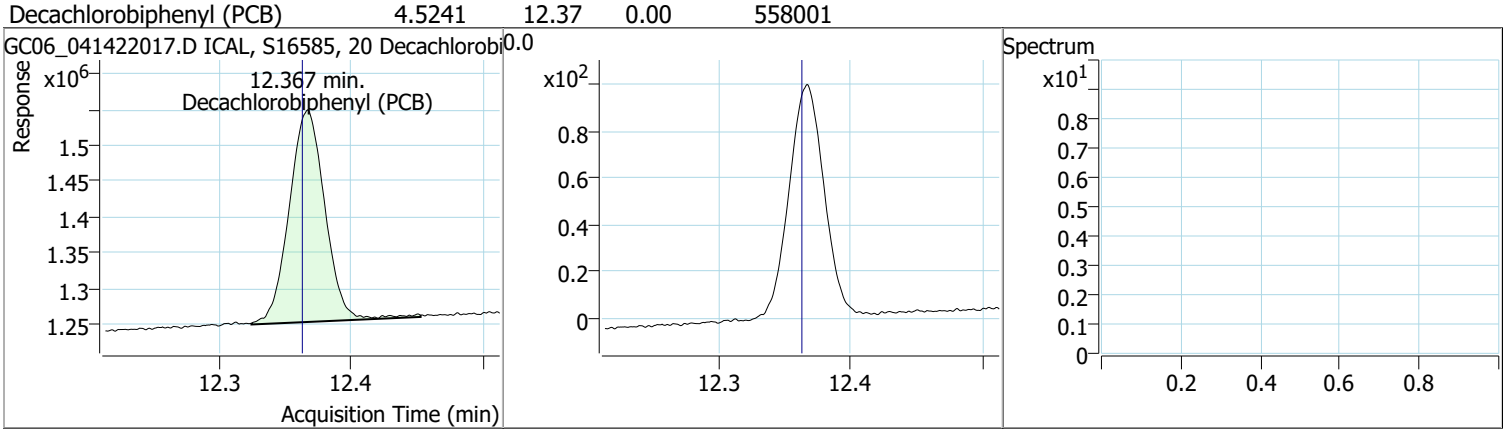
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	109.1442	11.11	0.00	587244			



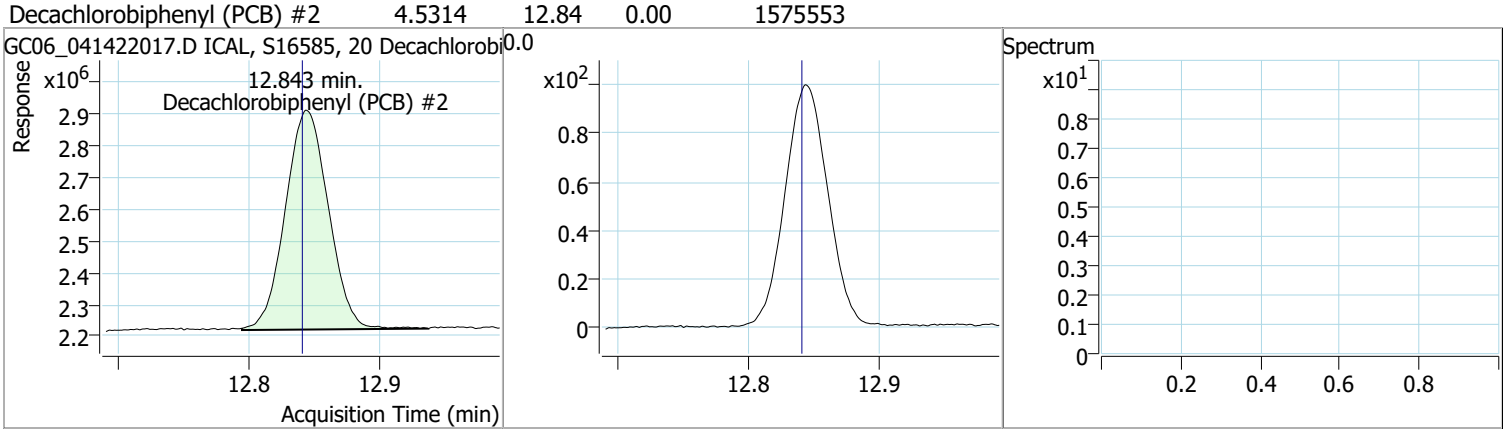
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	109.9105	11.47	0.00	2400549			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	4.5241	12.37	0.00	558001			

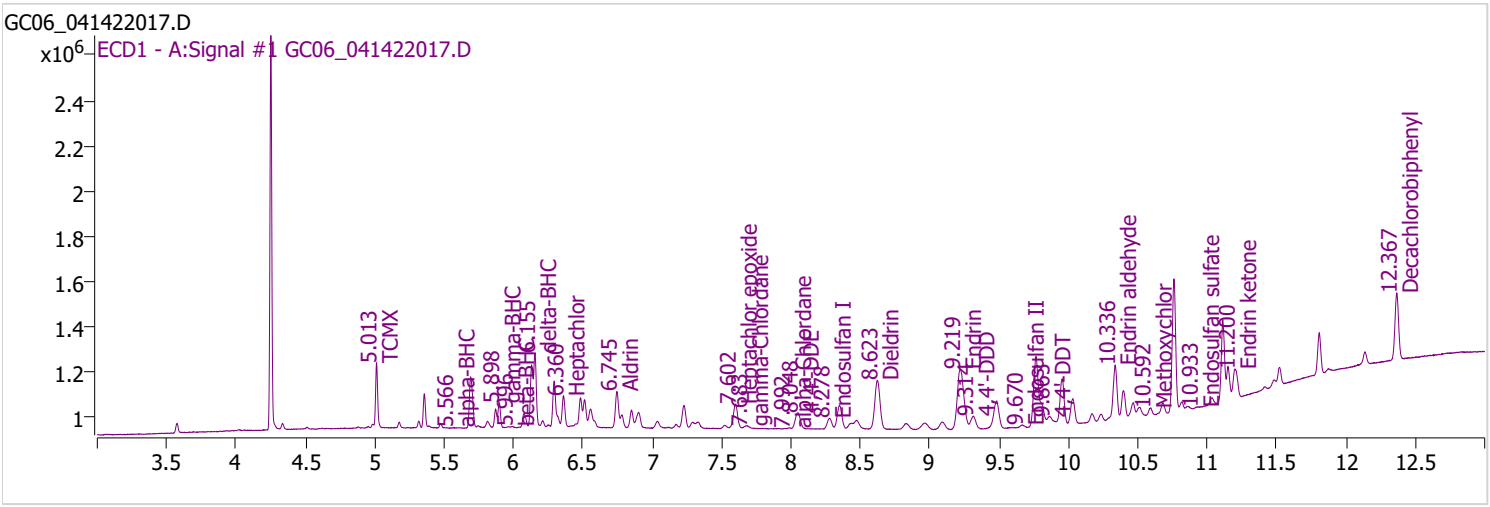


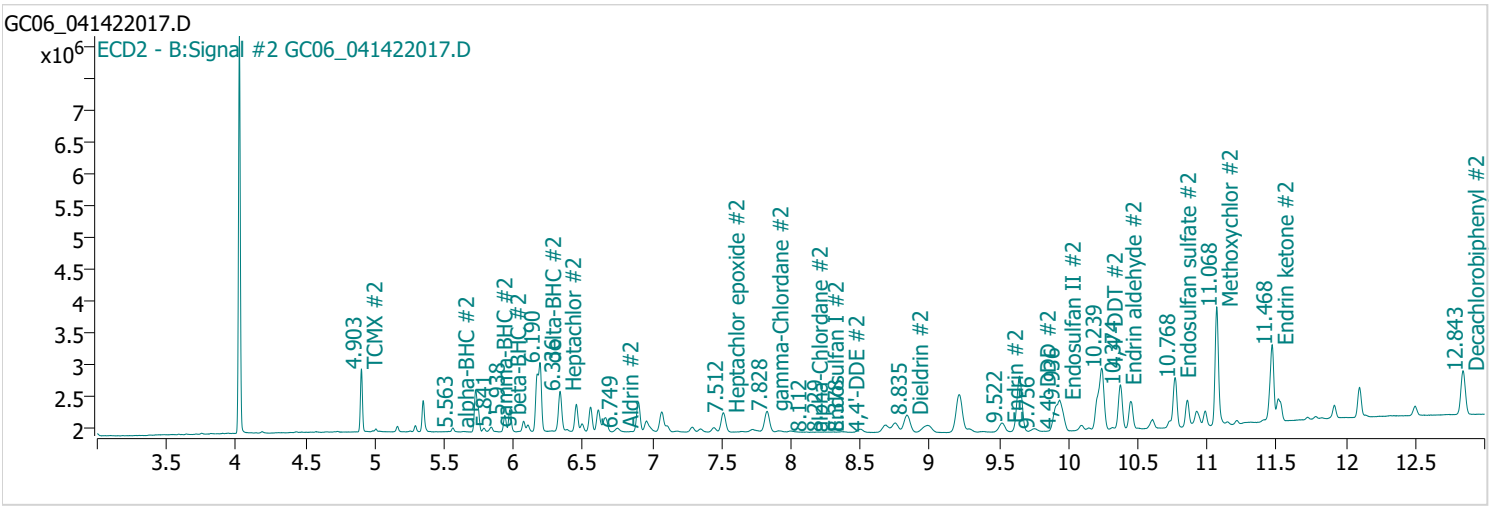
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	4.5314	12.84	0.00	1575553			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422017.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 7:16:29 PM
Sample Name	ICAL, S16585, 20	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 113	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 7:30:45 PM



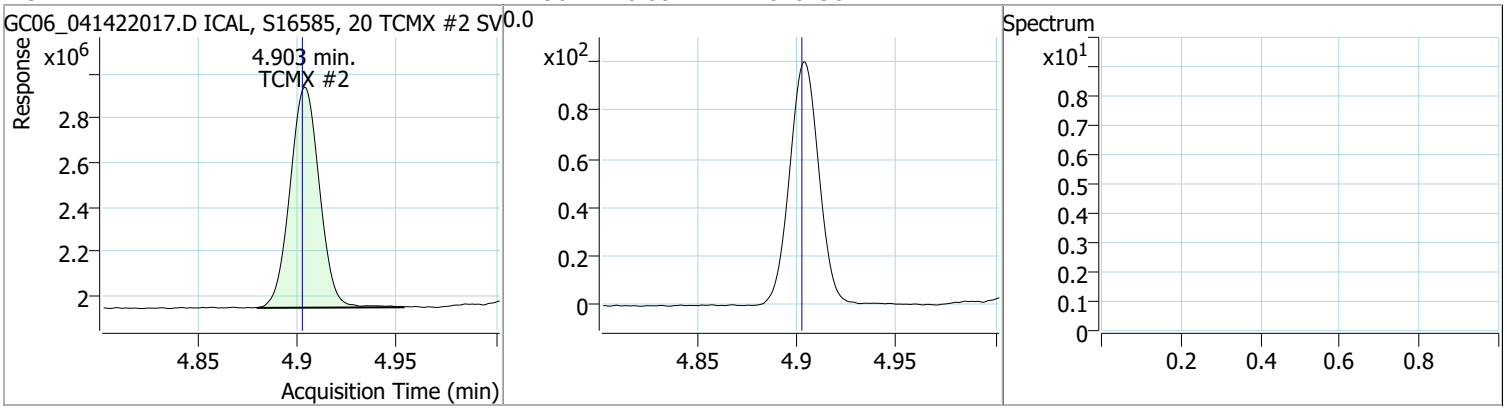


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.251	4.024	1600795	5755473	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.013	4.903	308808	1020196	4.185	4.128	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	20.93% *	20.64% *	
S Decachlorobiphenyl	12.367	12.843	544880	1543655	4.986	4.785	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	24.93% *	23.93% *	
Target Compounds							
T alpha-BHC	5.566	5.563 f	755	54780	0.011	0.213 #	ng/ml
T gamma-BHC	5.898	5.841	135164	109421	1.807	0.421 #	ng/ml
T beta-BHC	5.996	5.938	7089	330689	0.199	2.345 #	ng/ml
T delta-BHC	6.155	6.190	423413	2663412	4.608	6.426 #	ng/ml
T Heptachlor	6.360	6.336	165756	1068644	2.134	3.369 #	ng/ml
T Aldrin	6.745	6.749	257254	123038	3.187	0.447 #	ng/ml
T Heptachlor epoxide	7.602	7.512	219476	648063	2.790	2.403	ng/ml
T gamma-Chlordane	7.683	7.828	22732	773454	0.340	2.652 #	ng/ml
T alpha-Chlordane	7.992	8.112	2645	4717	0.040	0.021 #	ng/ml

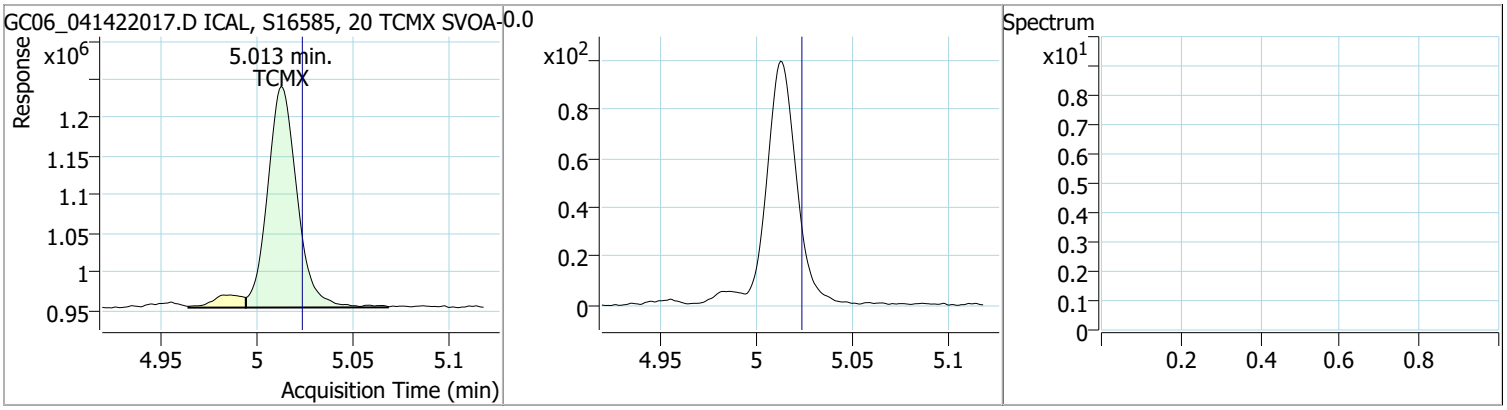
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.278	8.229	99753	2198	1.600	0.011 #	ng/ml
T 4,4'-DDE	8.048	8.378 f	179763	14782	2.722	0.071 #	ng/ml
T Dieldrin	8.623	8.835	571239	710390	7.040	2.915 #	ng/ml
T Endrin	9.219	9.522	790521	410212	9.663	1.893 #	ng/ml
T 4,4'-DDD	9.314	9.756	93460	111688	1.919	0.594 #	ng/ml
T Endosulfan II	9.670	9.936 f	22069	2012533	0.339	7.401 #	ng/ml
T 4,4'-DDT	9.863	10.239	54818	2962599	0.923	10.030 #	ng/ml
T Endrin aldehyde	10.336	10.374	412676	1362745	7.425	6.878	ng/ml
T Endosulfan sulfate	10.933	10.768	2493	1662139	0.044	7.276 #	ng/ml
T Methoxychlor	10.592	11.068 f	47842	3275638	1.367	24.375 #	ng/ml
T Endrin ketone	11.200	11.468 f	219505	2374924	2.920	7.988 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

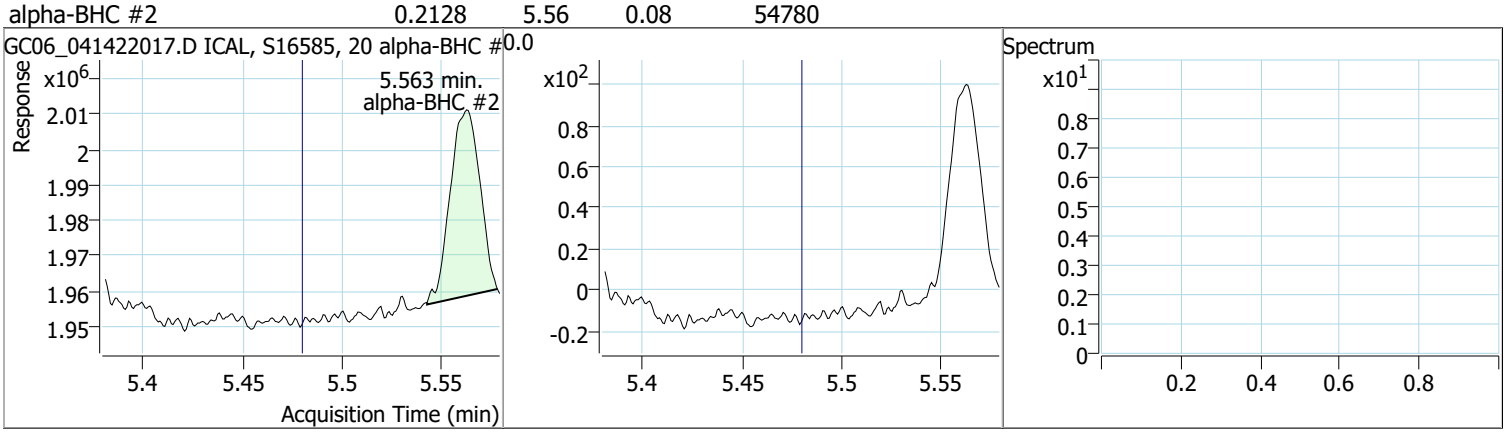
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	4.1277	4.90	0.00	1020196			



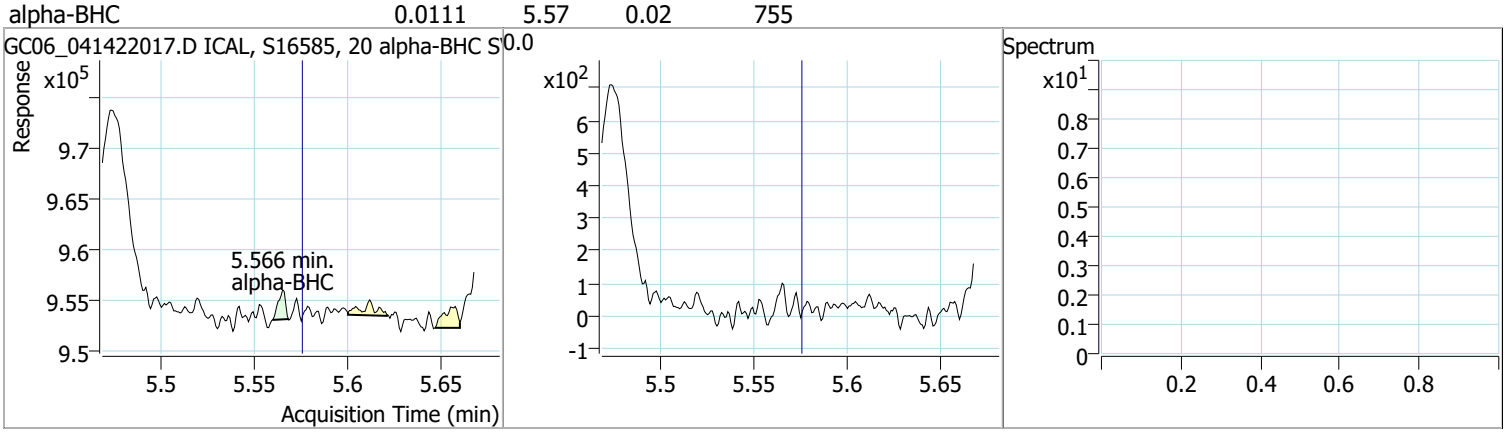
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	4.1854	5.01	0.01	308808			



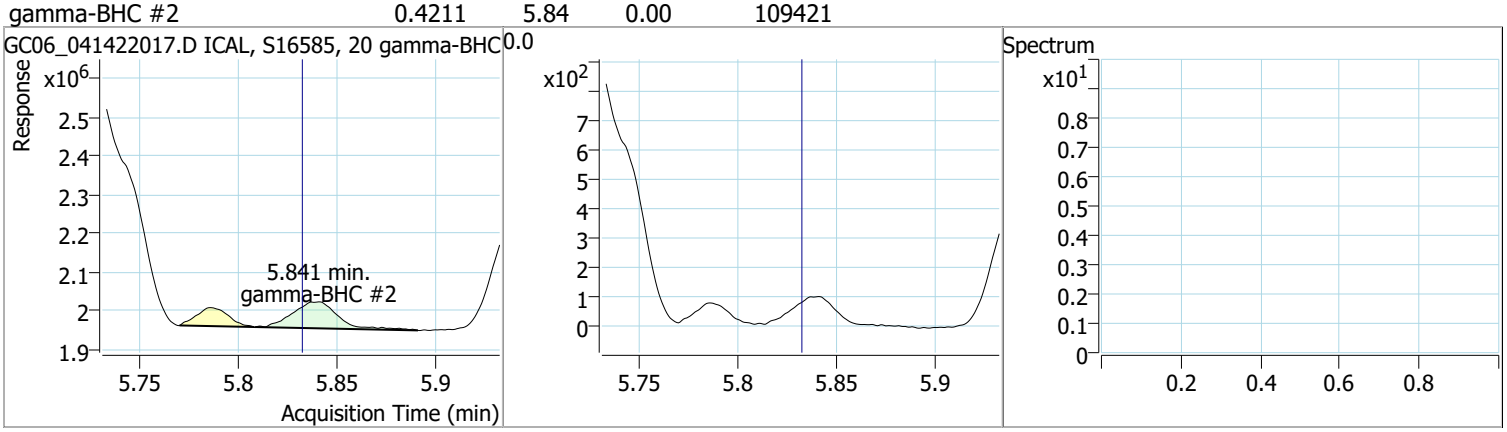
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	0.2128	5.56	0.08	54780			



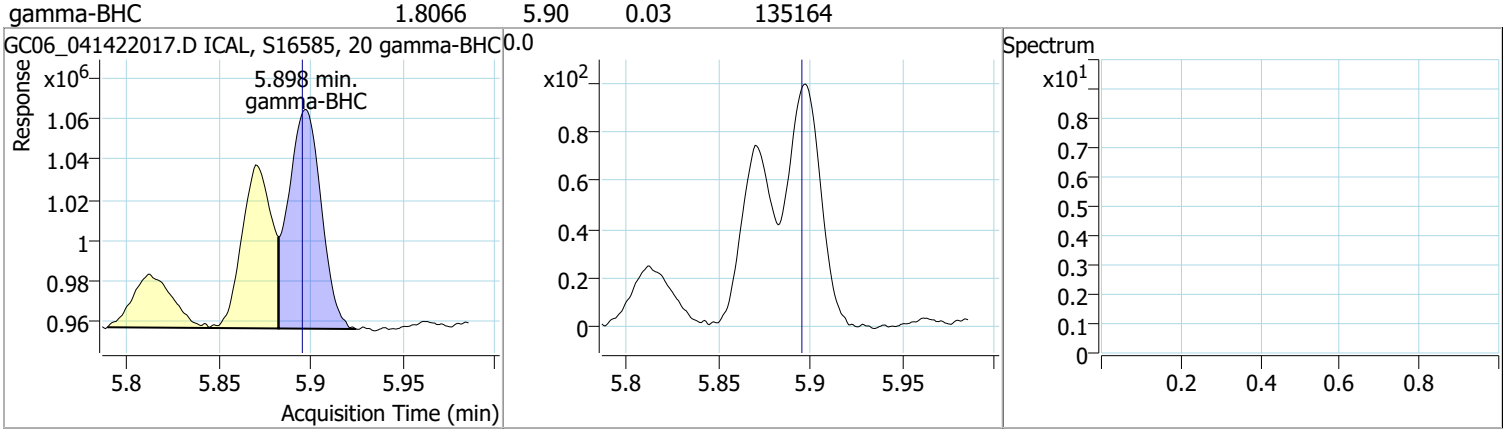
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC	0.0111	5.57	0.02	755			



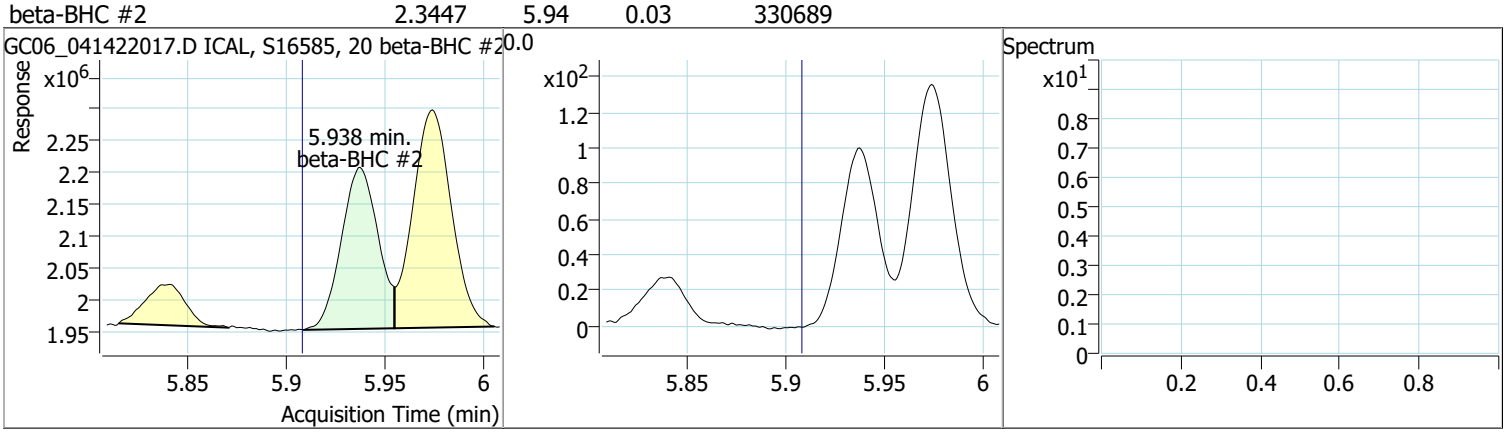
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	0.4211	5.84	0.00	109421			



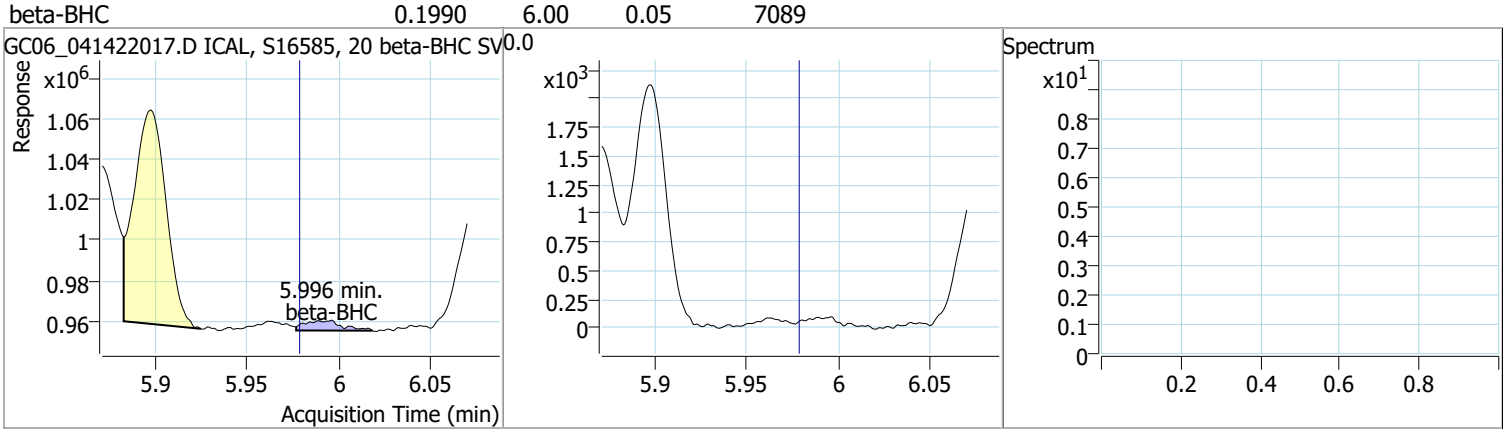
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	1.8066	5.90	0.03	135164			



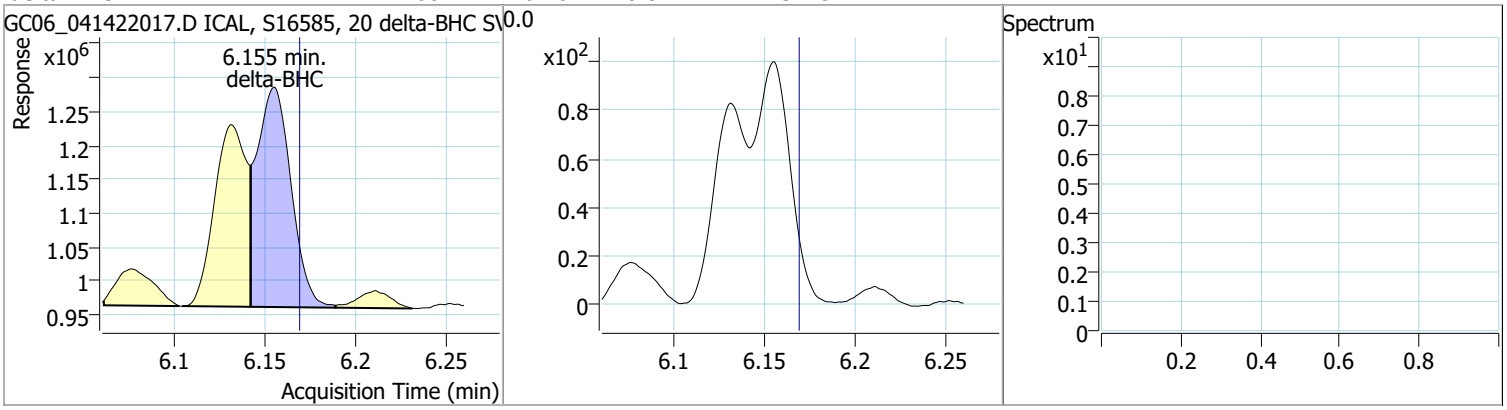
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	2.3447	5.94	0.03	330689			



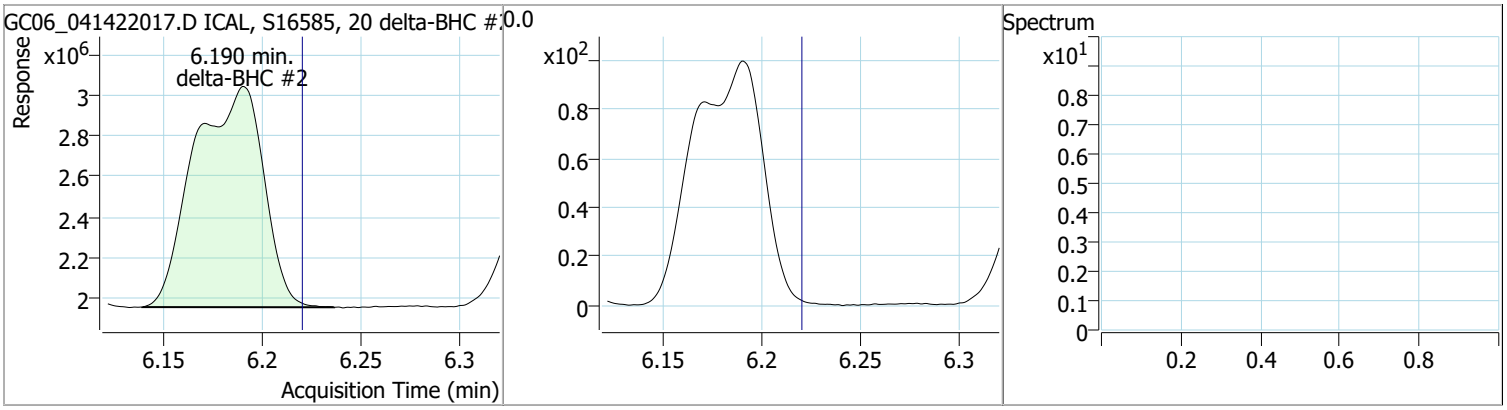
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	0.1990	6.00	0.05	7089			



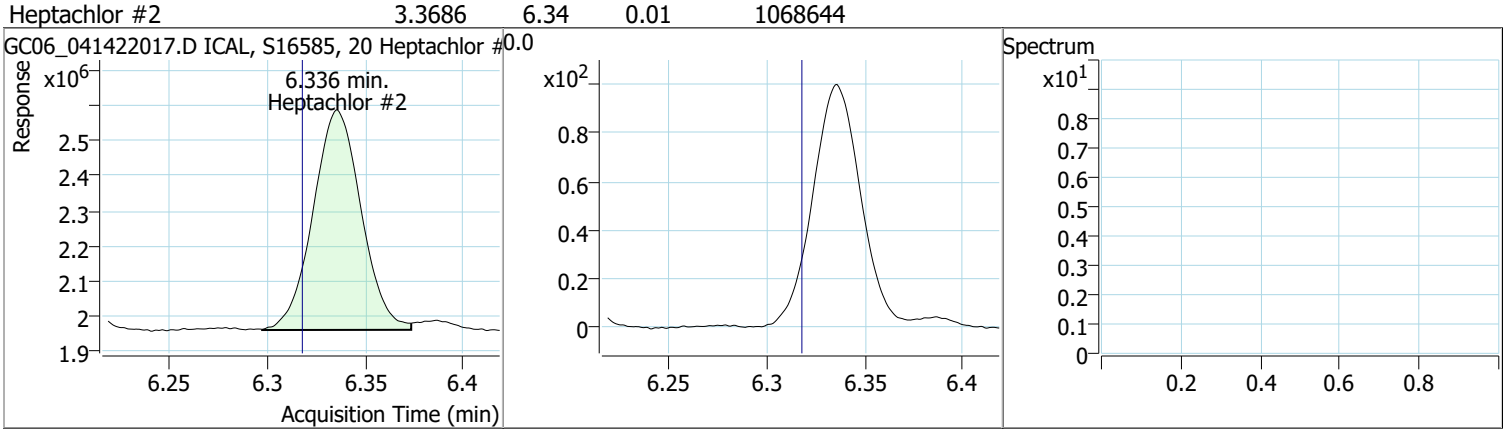
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	4.6077	6.16	0.02	423413			



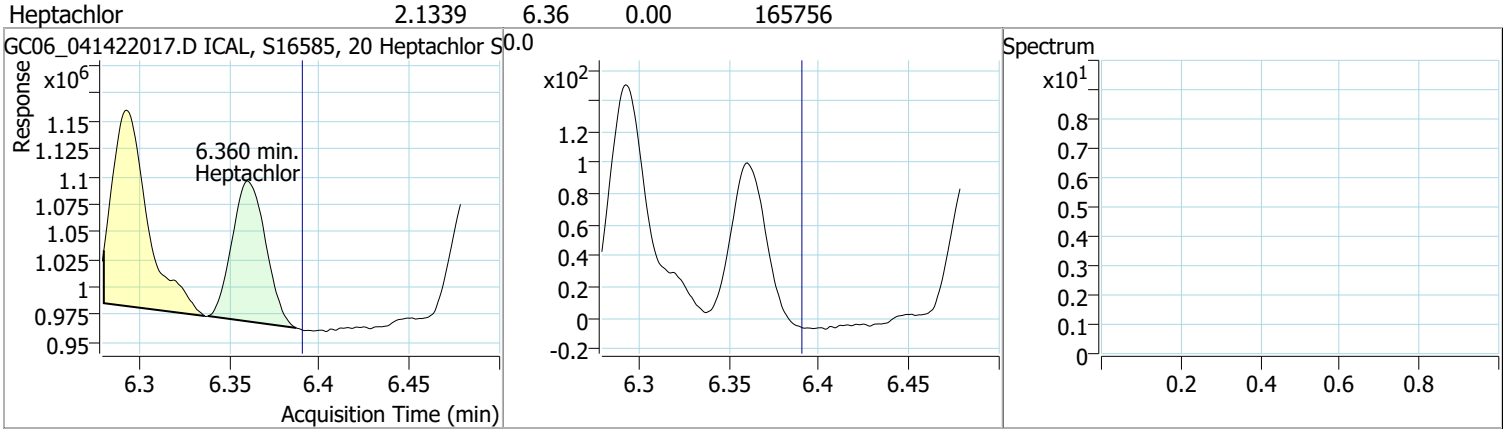
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	6.4261	6.19	-0.03	2663412			



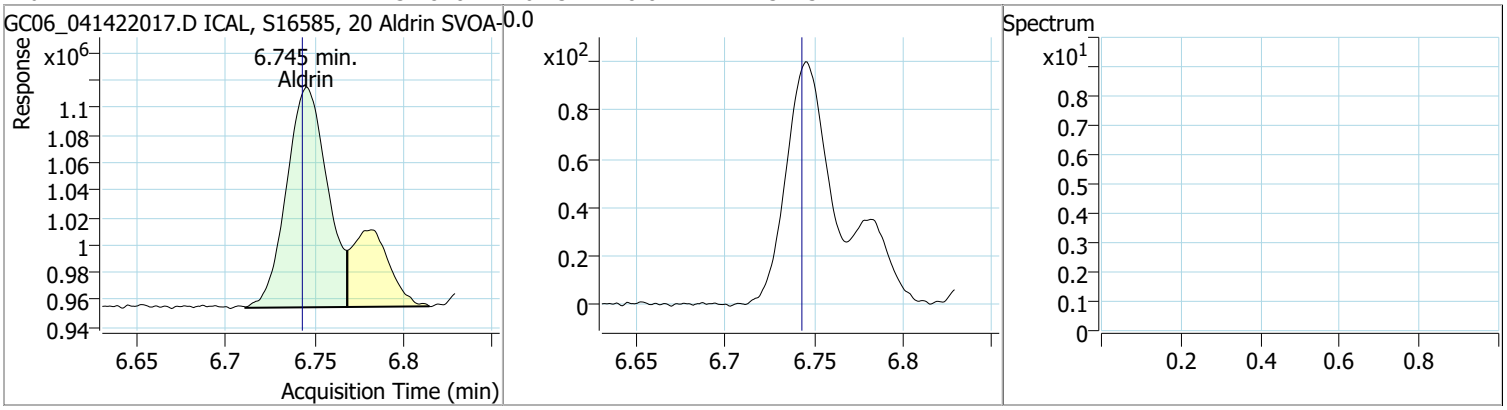
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	3.3686	6.34	0.01	1068644			



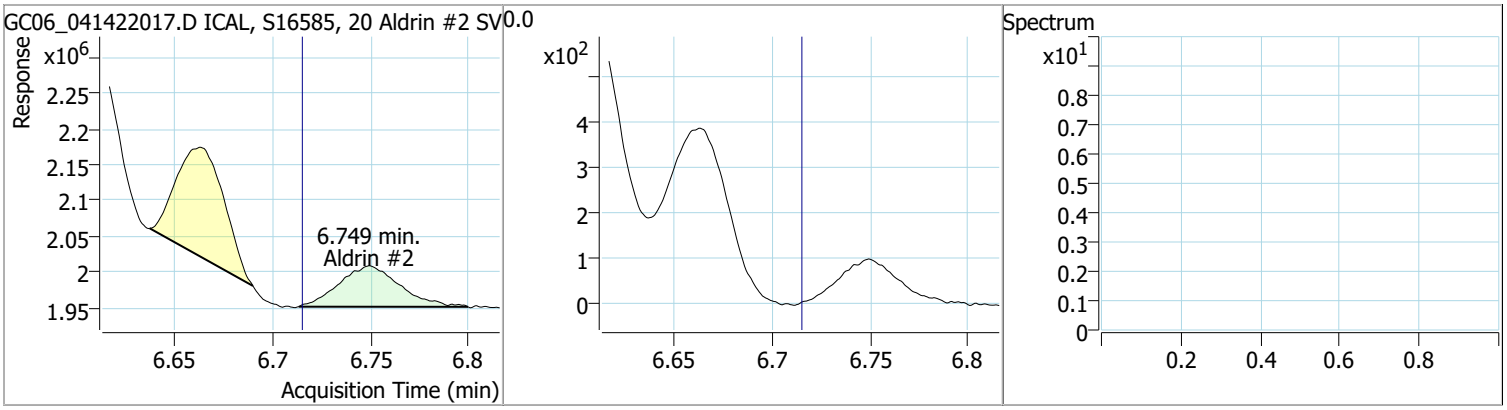
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	2.1339	6.36	0.00	165756			



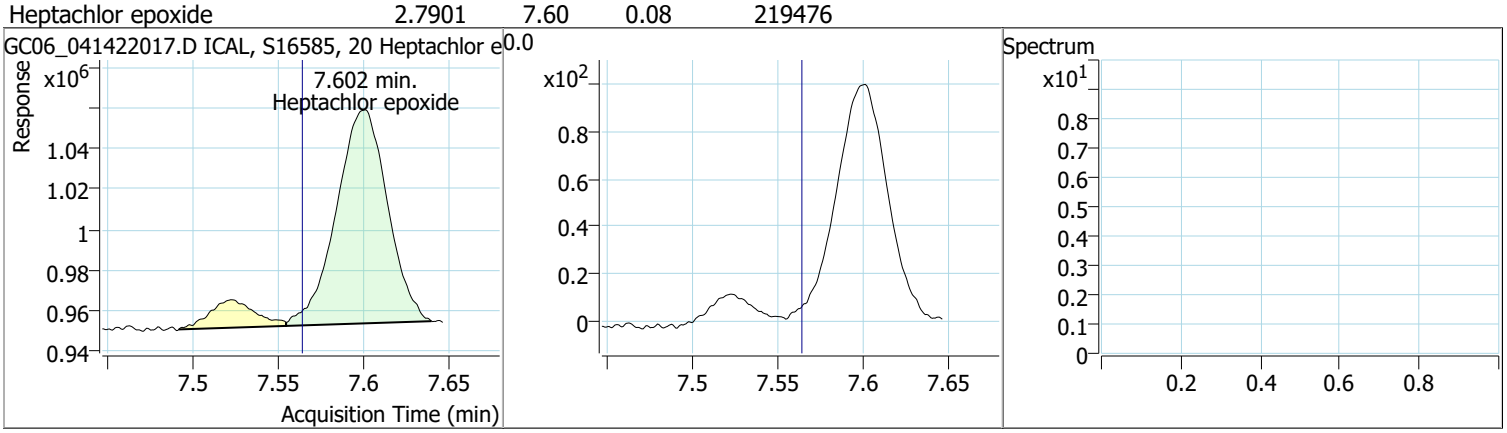
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	3.1870	6.75	0.04	257254			



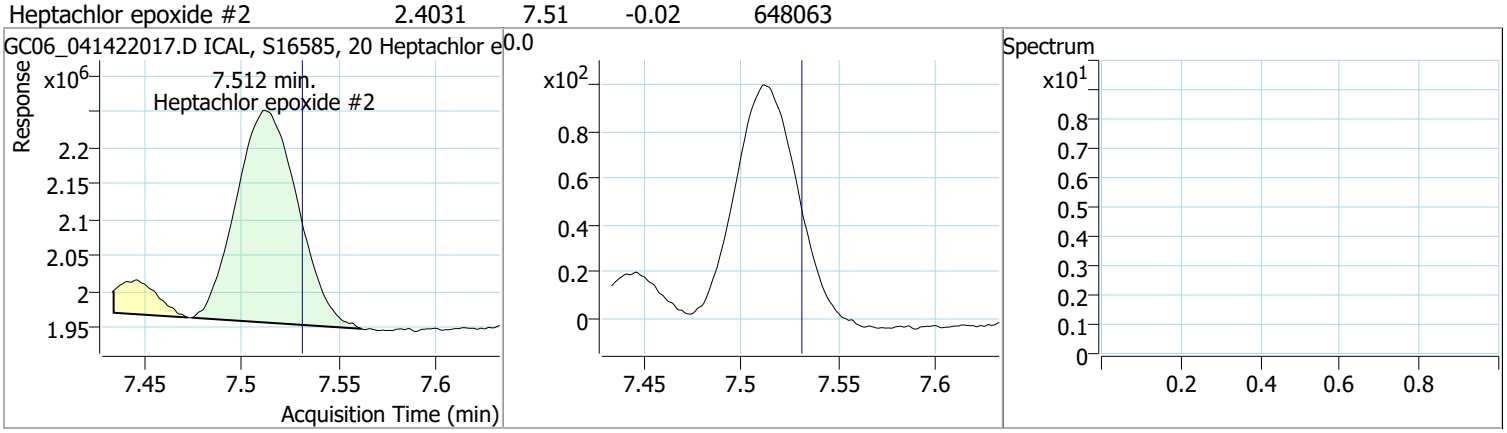
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	0.4474	6.75	0.03	123038			



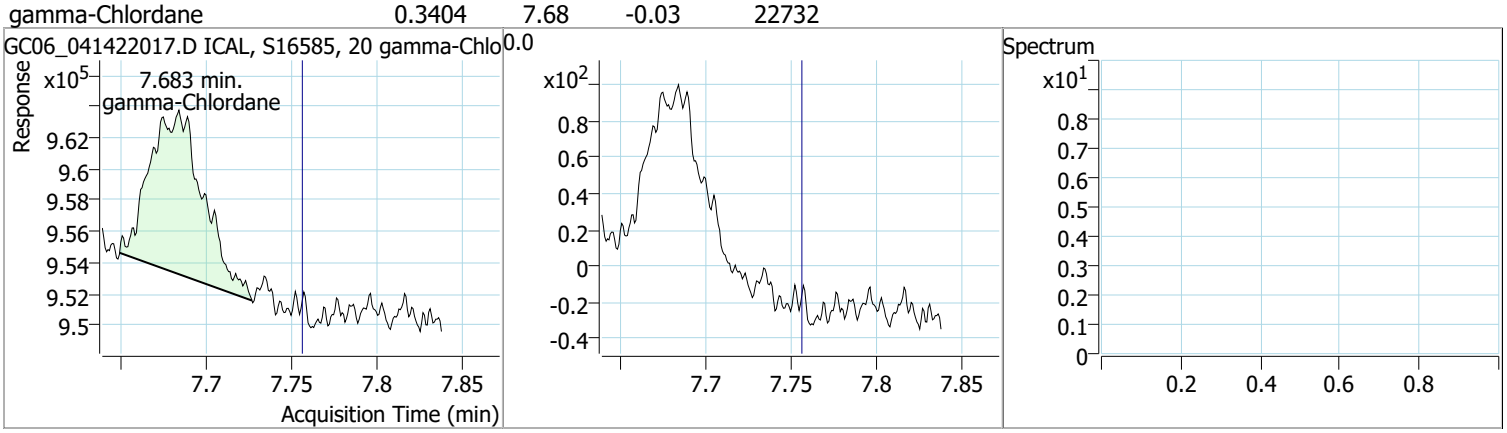
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	2.7901	7.60	0.08	219476			



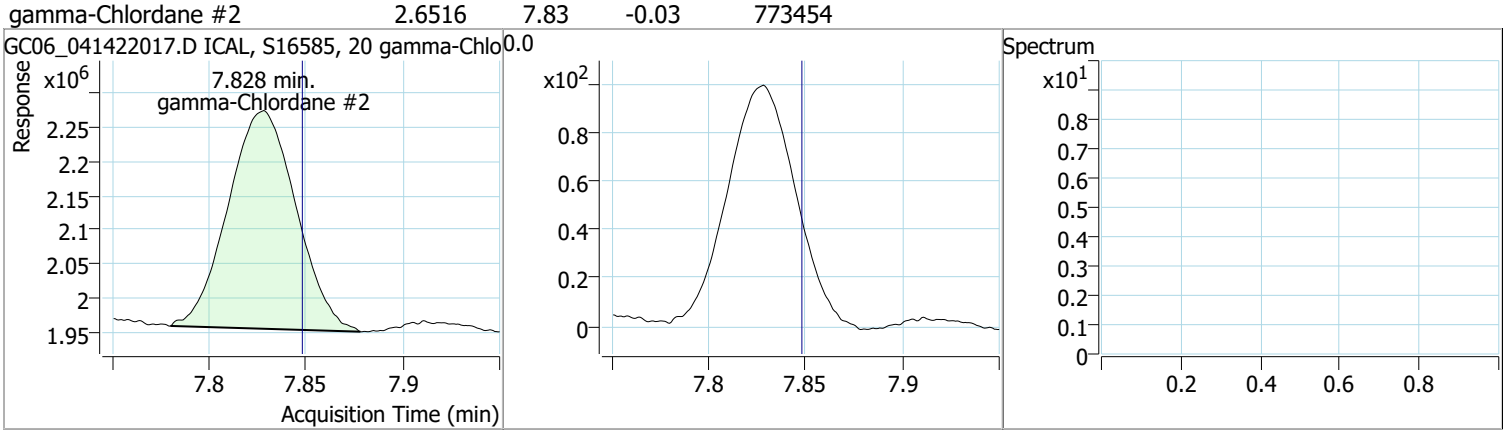
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	2.4031	7.51	-0.02	648063			



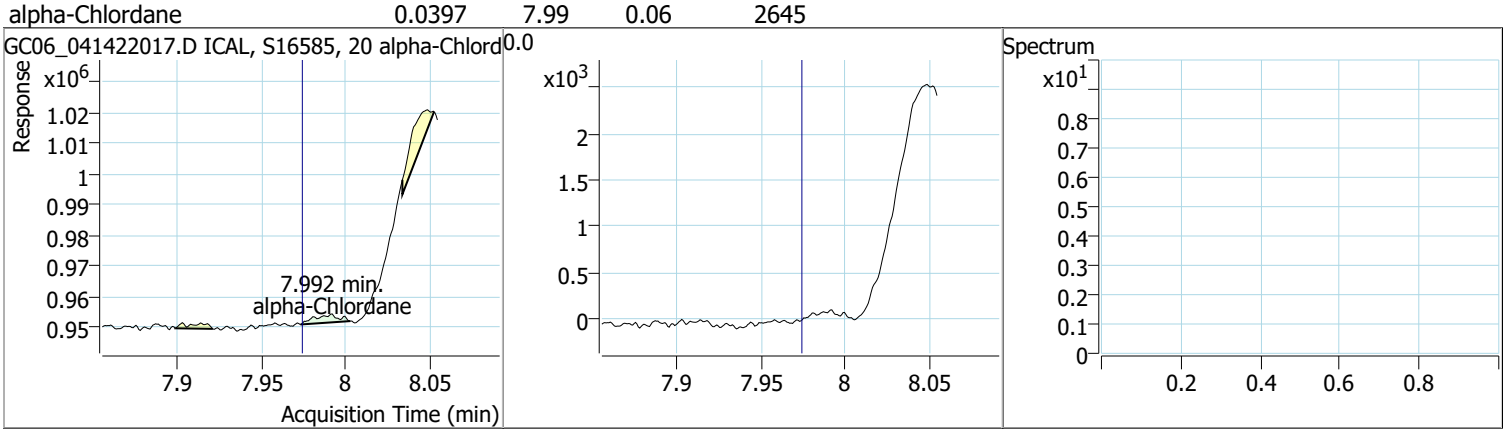
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.3404	7.68	-0.03	22732			



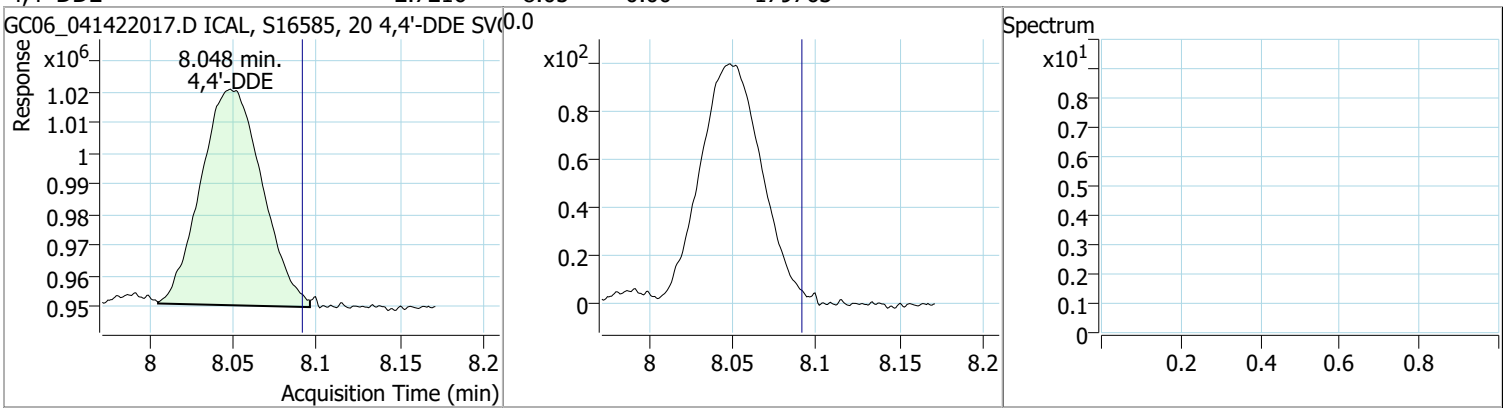
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	2.6516	7.83	-0.03	773454			



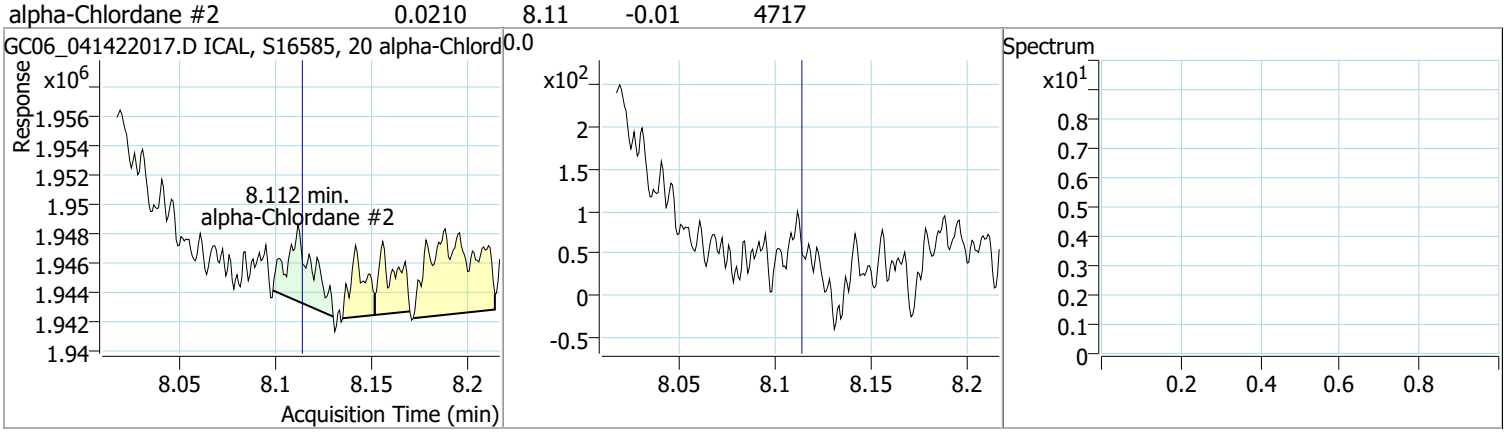
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	0.0397	7.99	0.06	2645			



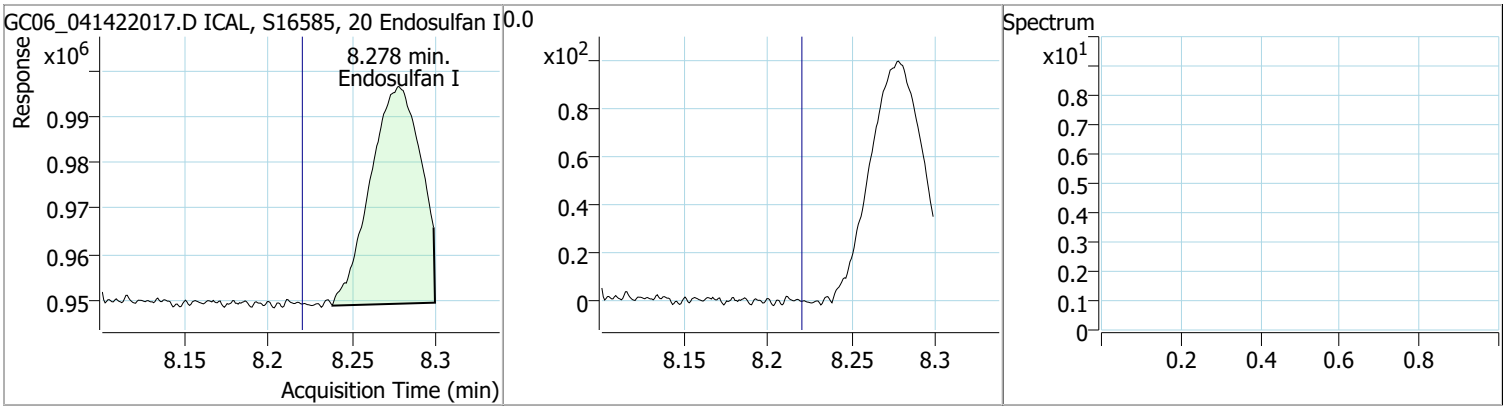
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	2.7216	8.05	0.00	179763			



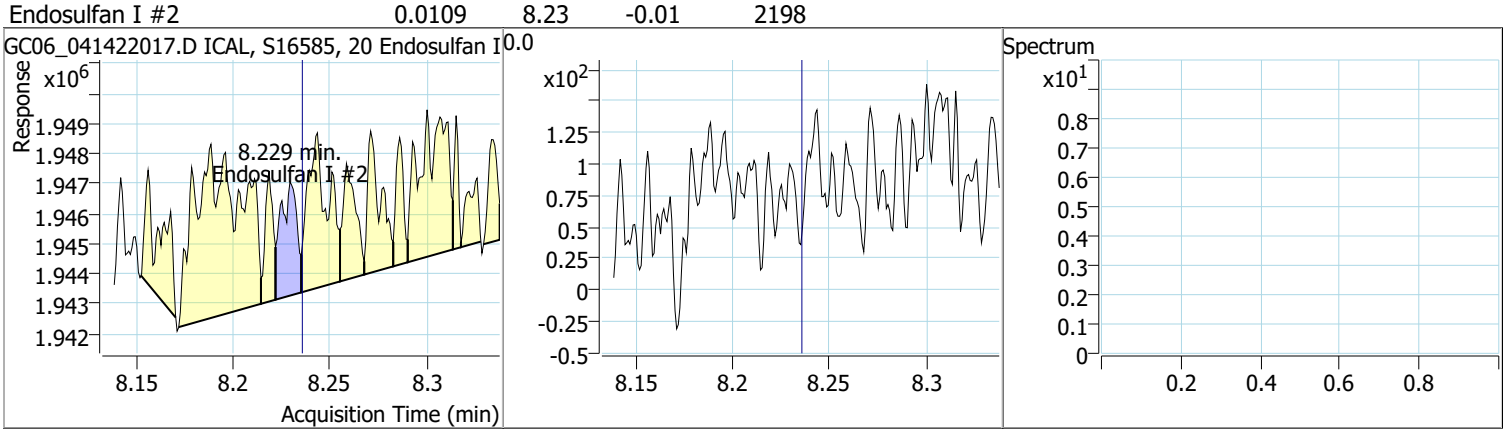
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
alpha-Chlordane #2	0.0210	8.11	-0.01	4717		



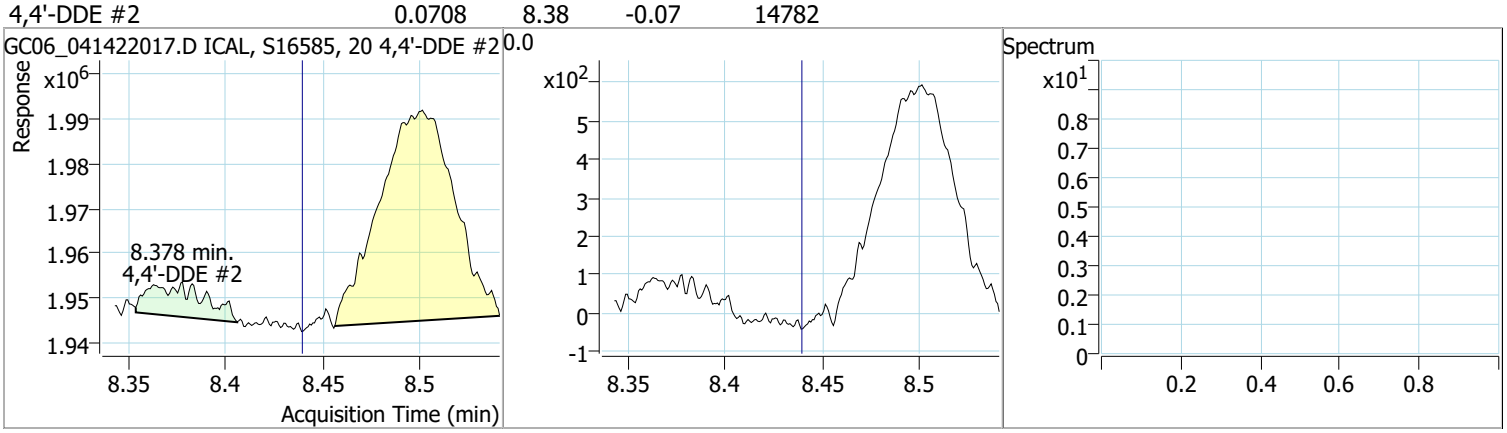
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
Endosulfan I	1.6001	8.28	0.10	99753		



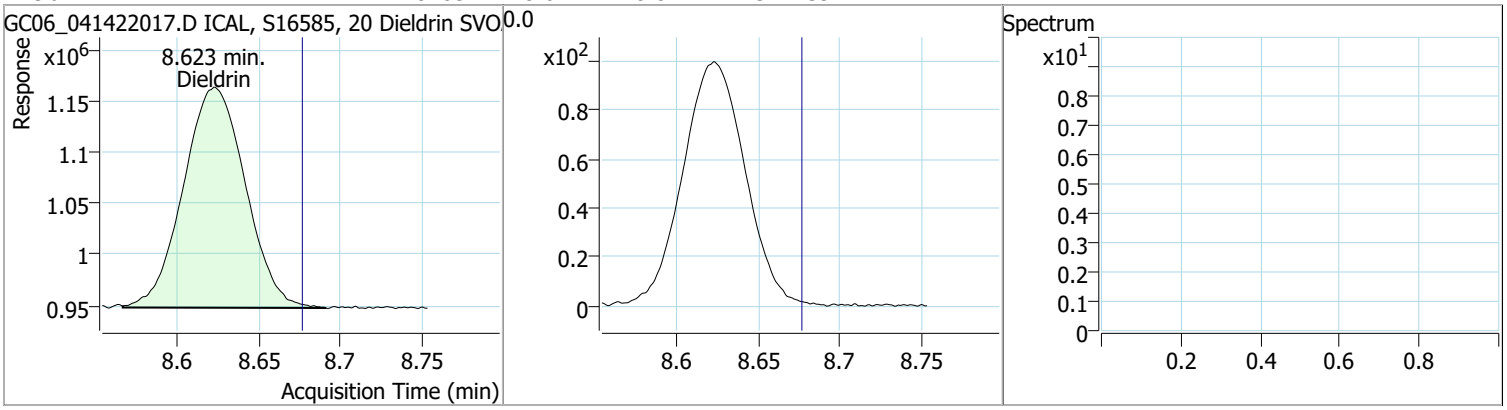
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
Endosulfan I #2	0.0109	8.23	-0.01	2198		



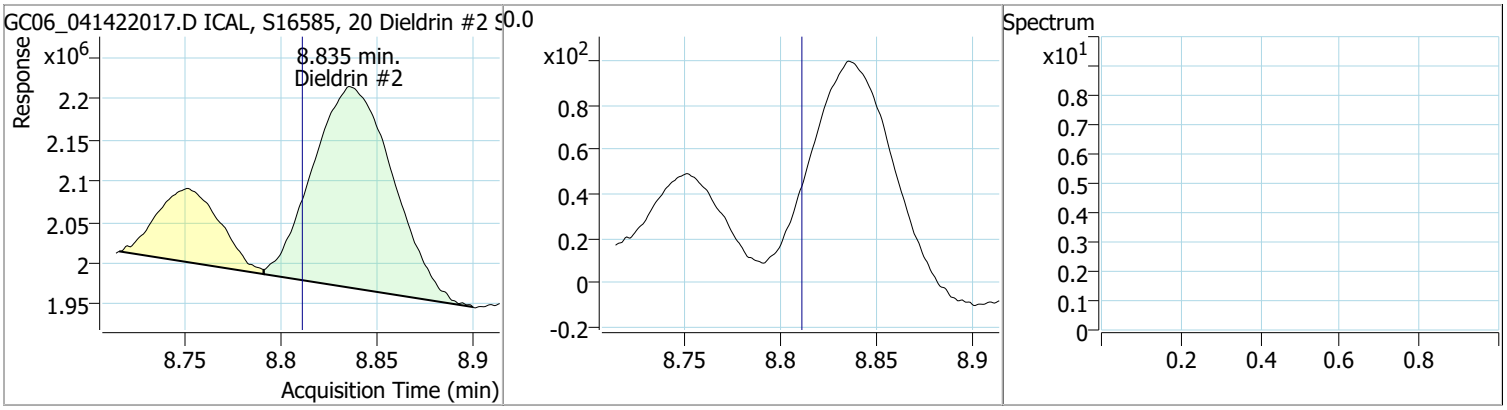
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
4,4'-DDE #2	0.0708	8.38	-0.07	14782		



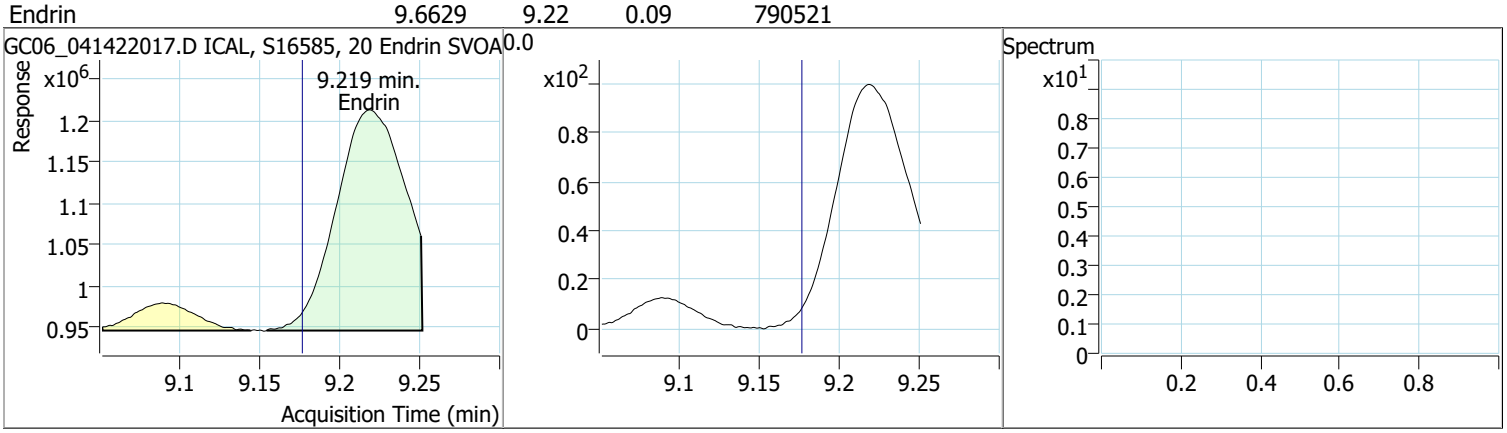
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin	7.0403	8.62	-0.01	571239			



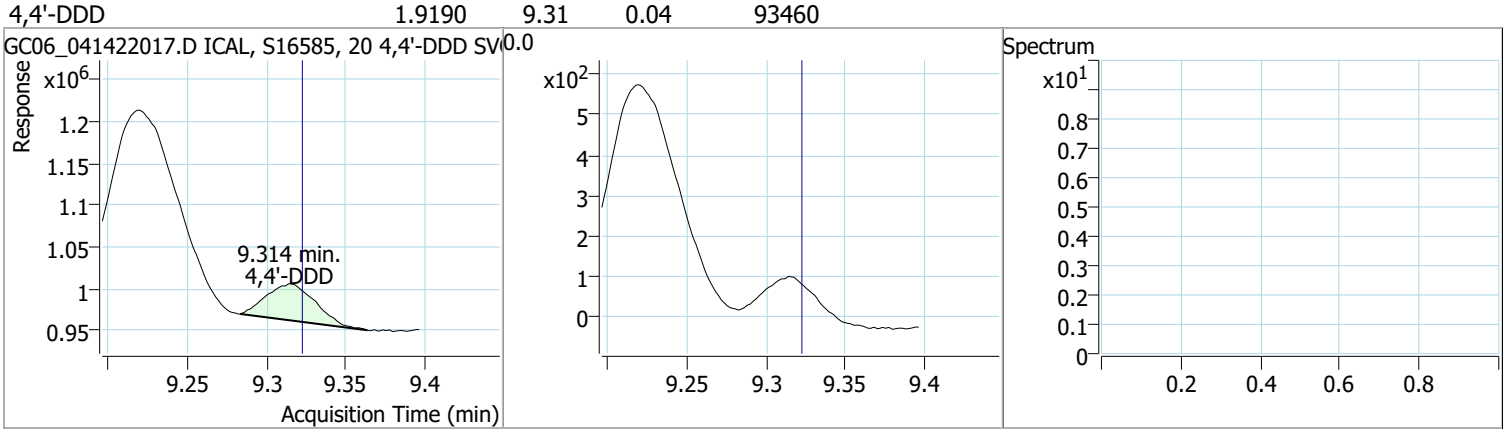
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	2.9149	8.84	0.02	710390			



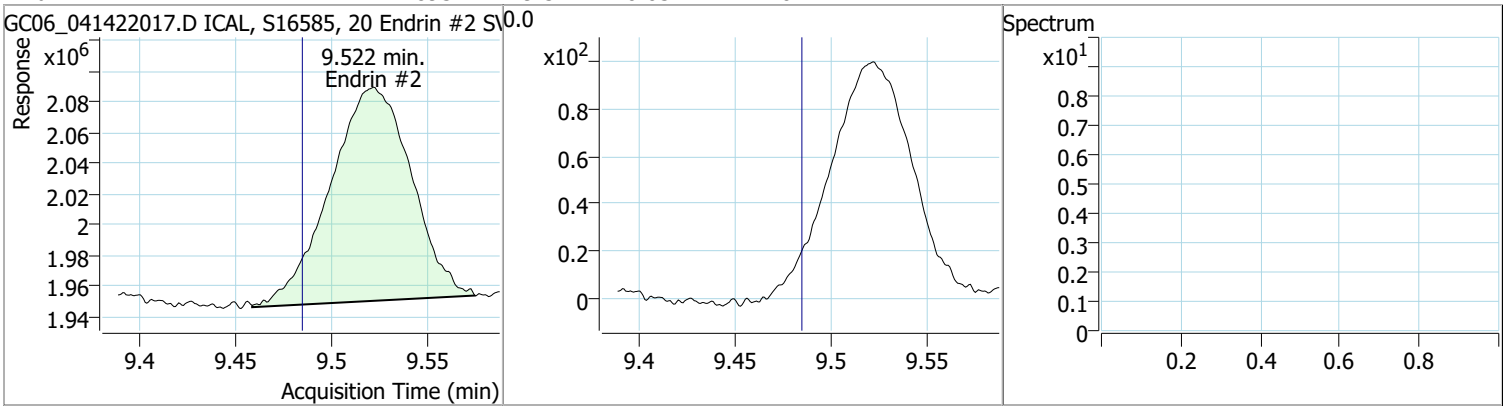
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin	9.6629	9.22	0.09	790521			



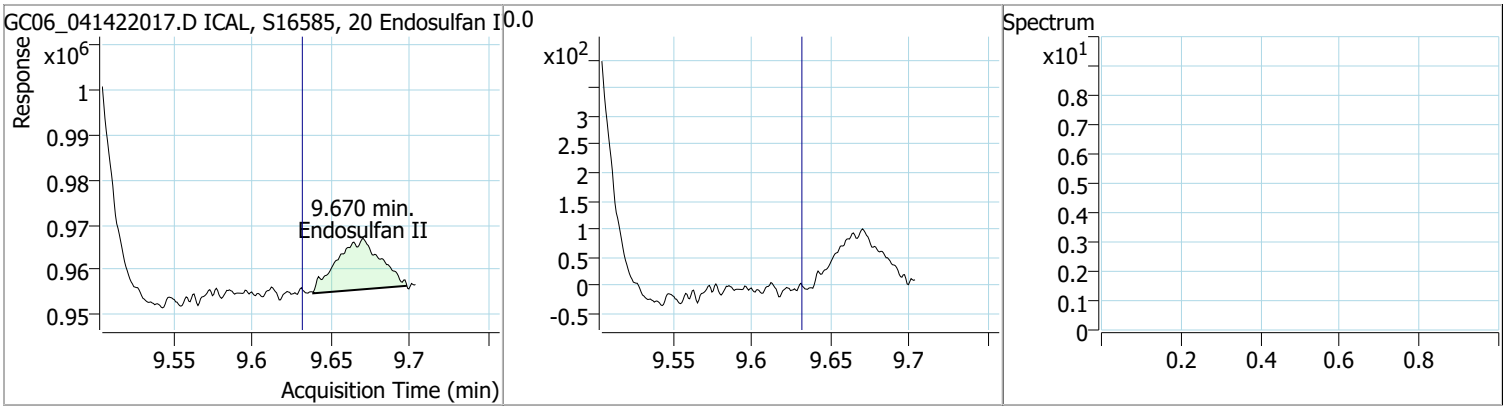
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	1.9190	9.31	0.04	93460			



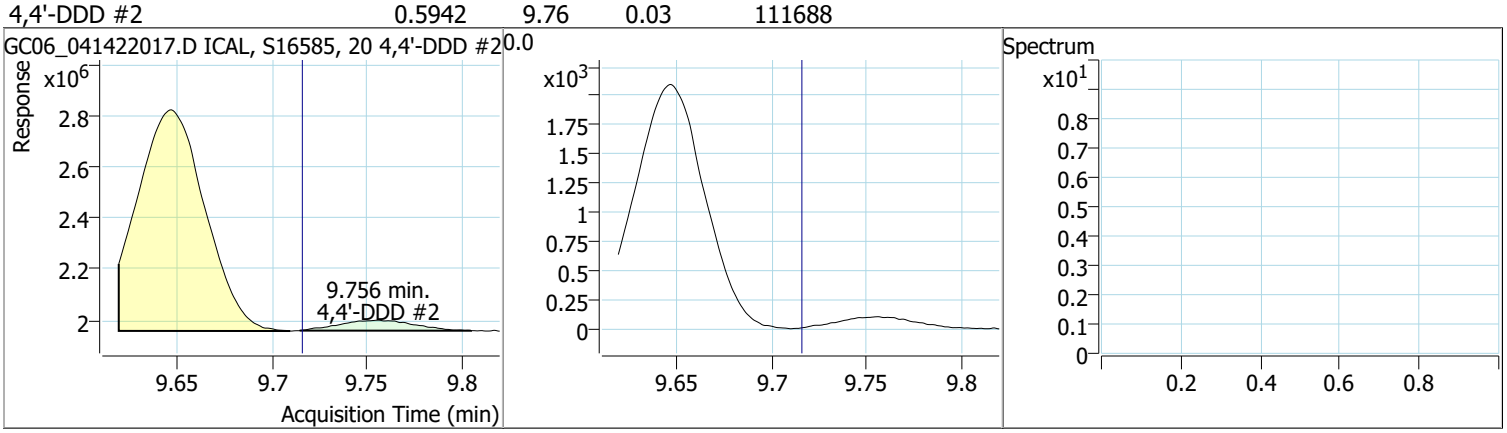
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
Endrin #2	1.8932	9.52	0.03	410212		



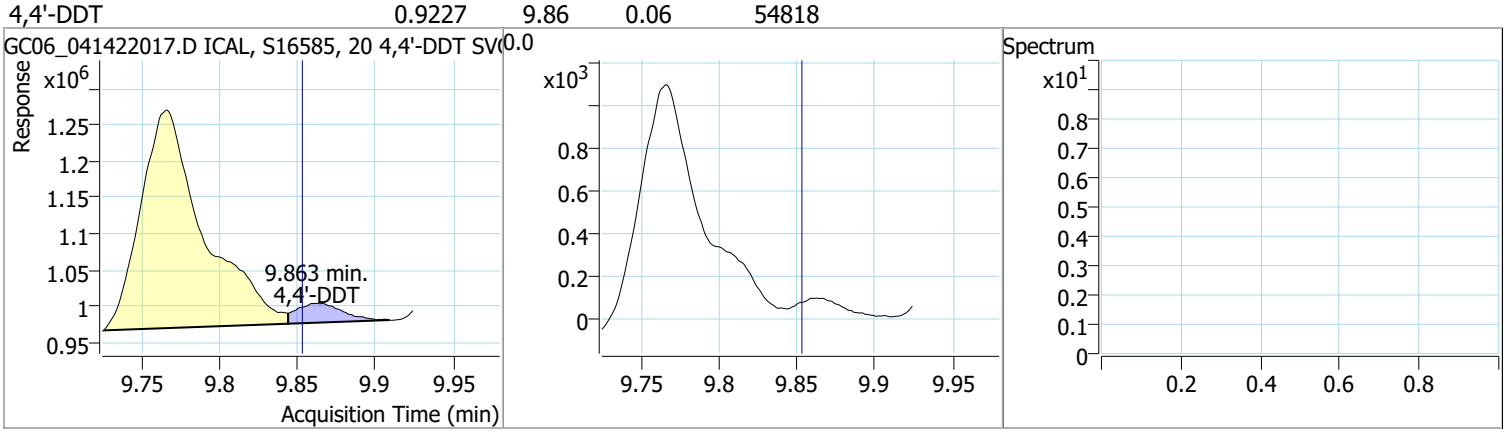
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
Endosulfan II	0.3393	9.67	0.09	22069		



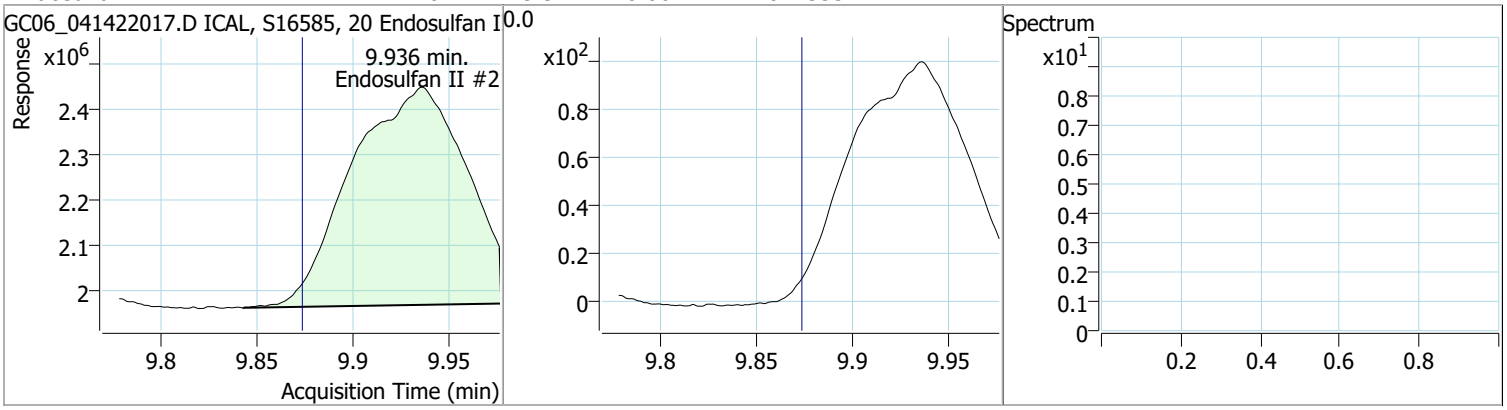
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
4,4'-DDD #2	0.5942	9.76	0.03	111688		



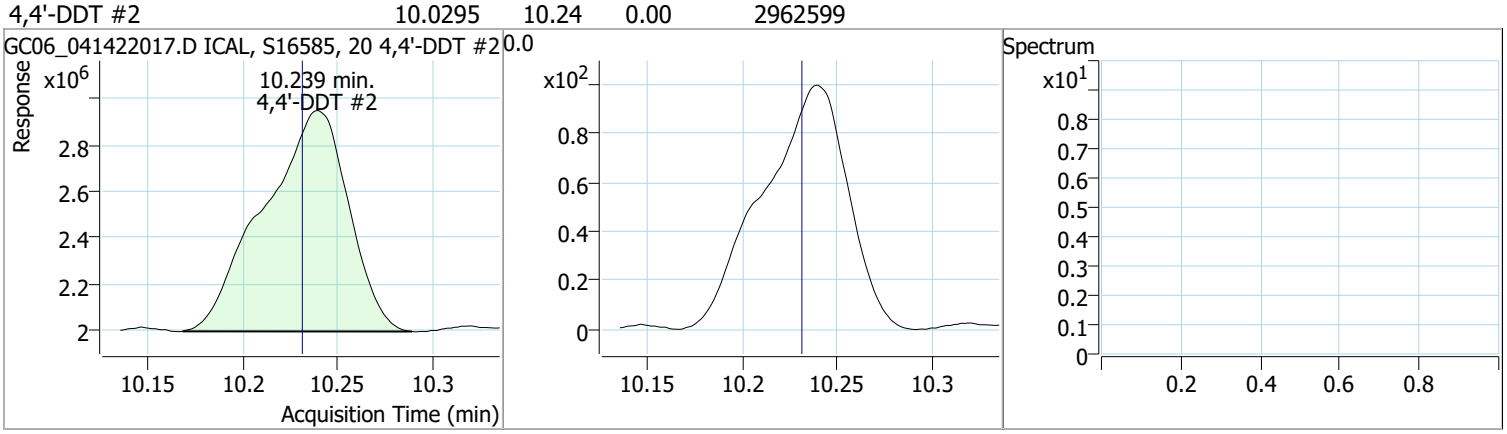
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
4,4'-DDT	0.9227	9.86	0.06	54818		



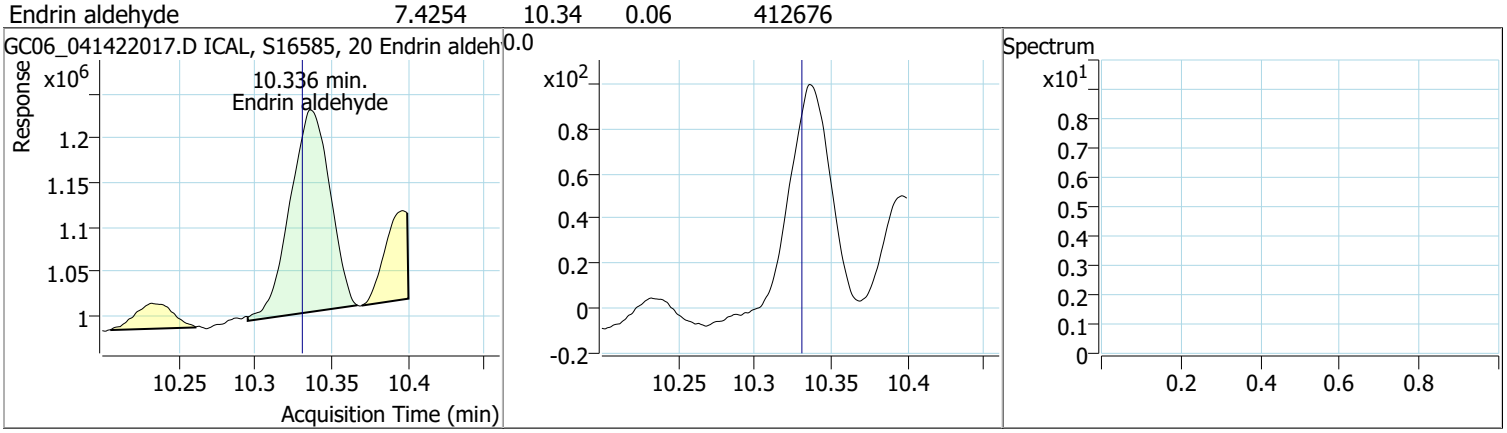
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	7.4014	9.94	0.06	2012533			



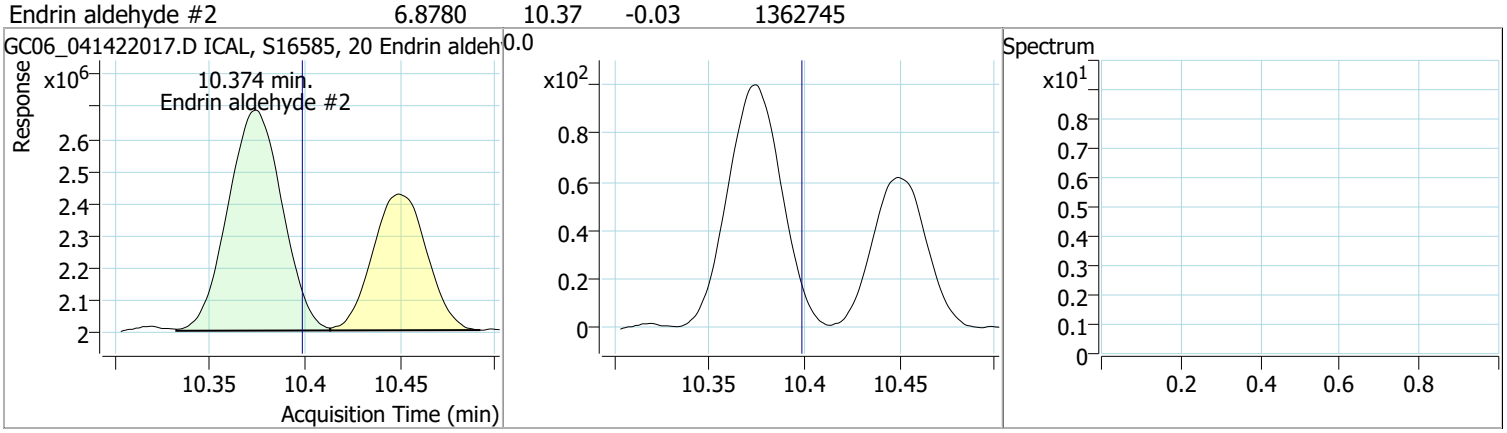
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	10.0295	10.24	0.00	2962599			



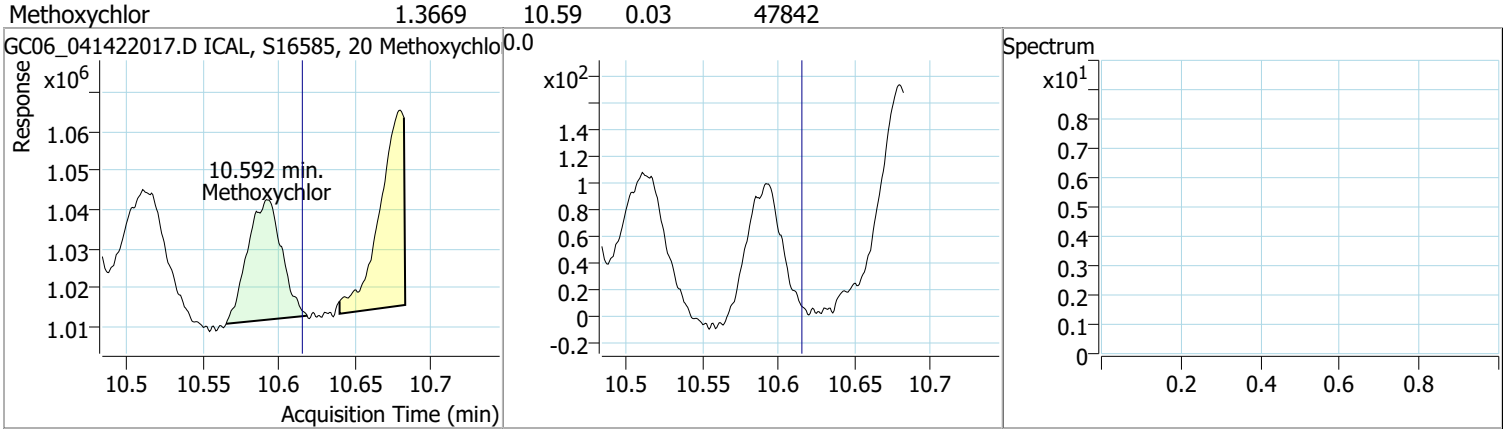
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	7.4254	10.34	0.06	412676			



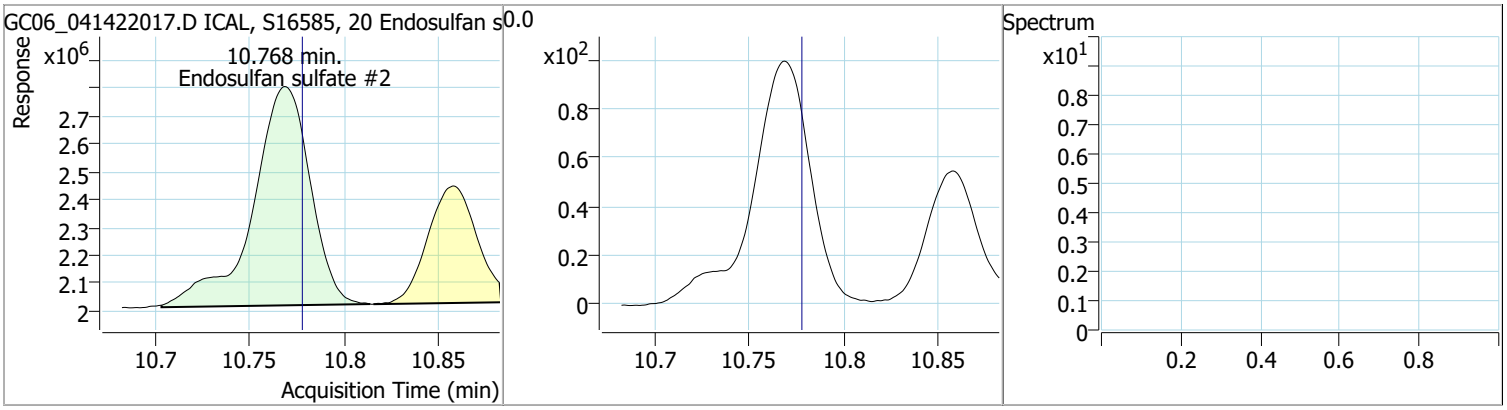
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	6.8780	10.37	-0.03	1362745			



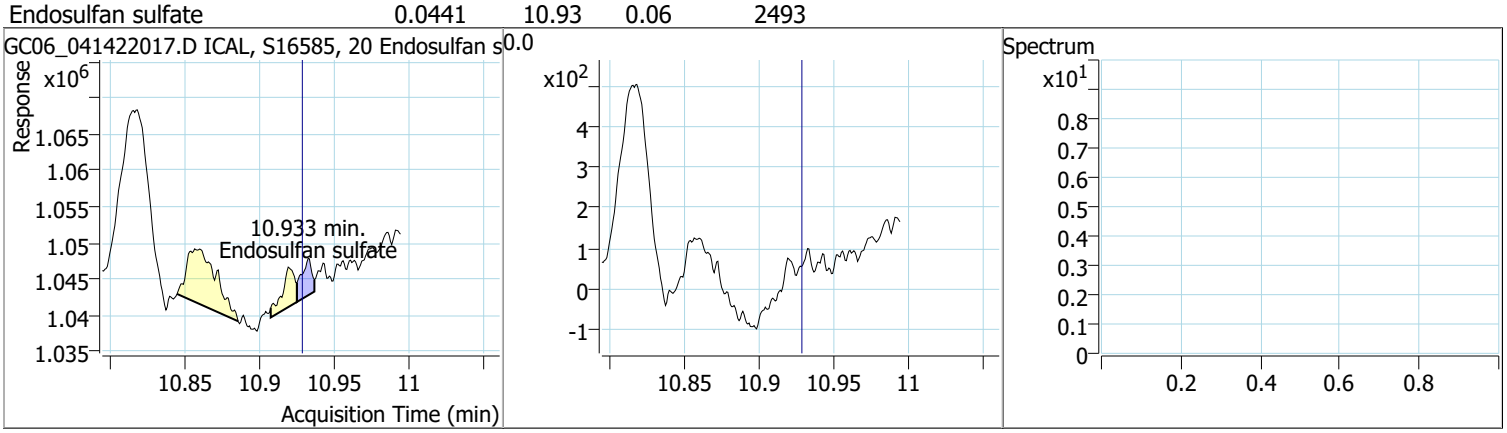
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	1.3669	10.59	0.03	47842			



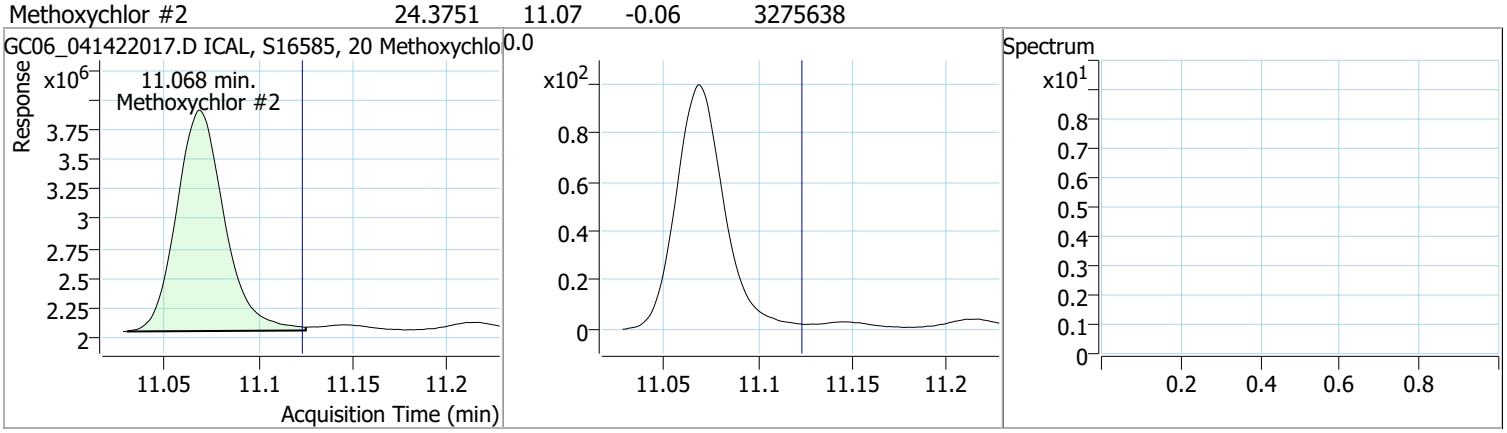
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	7.2755	10.77	-0.02	1662139			



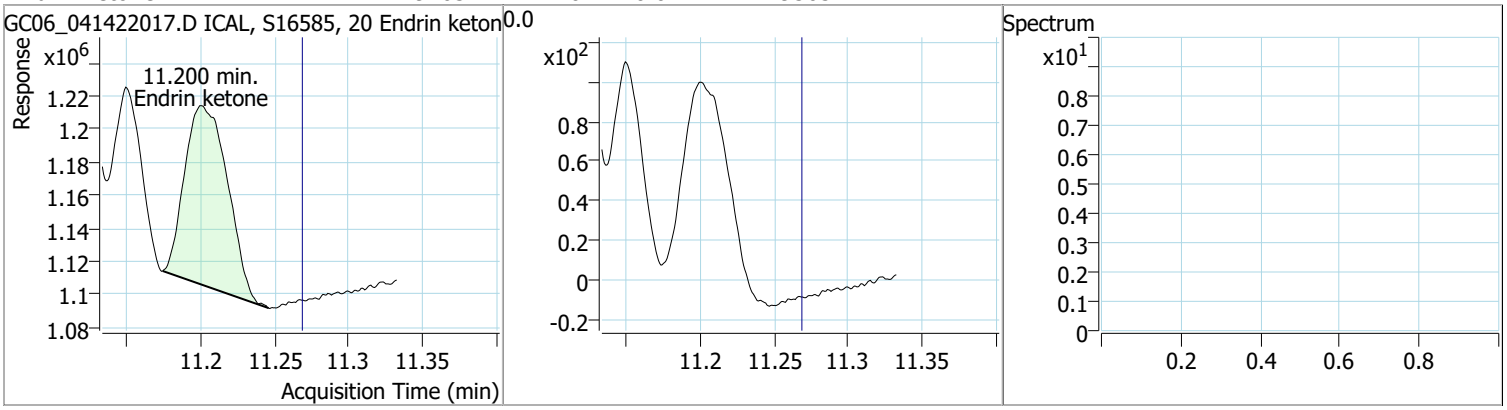
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	0.0441	10.93	0.06	2493			



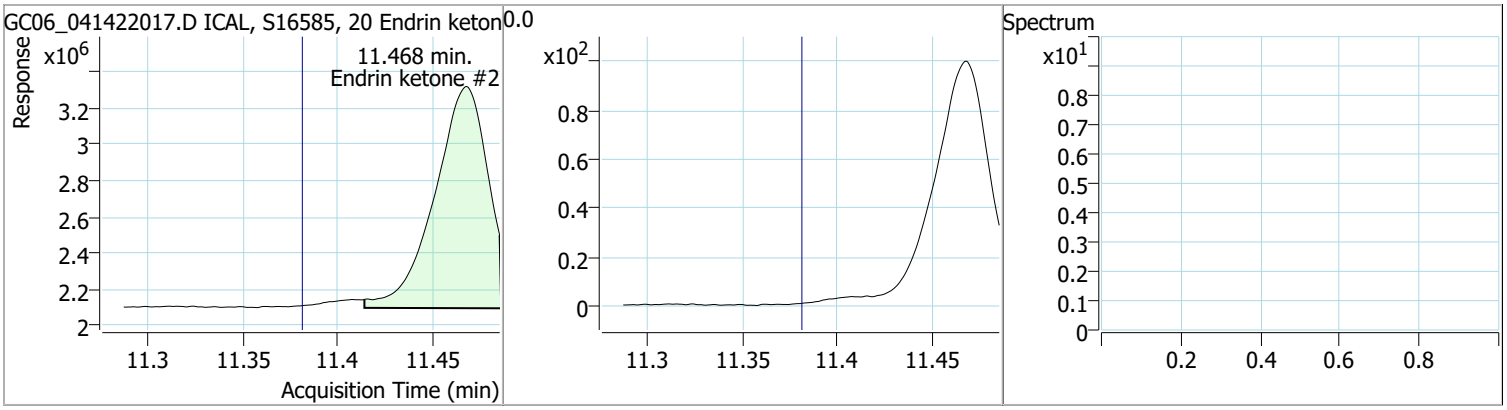
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	24.3751	11.07	-0.06	3275638			



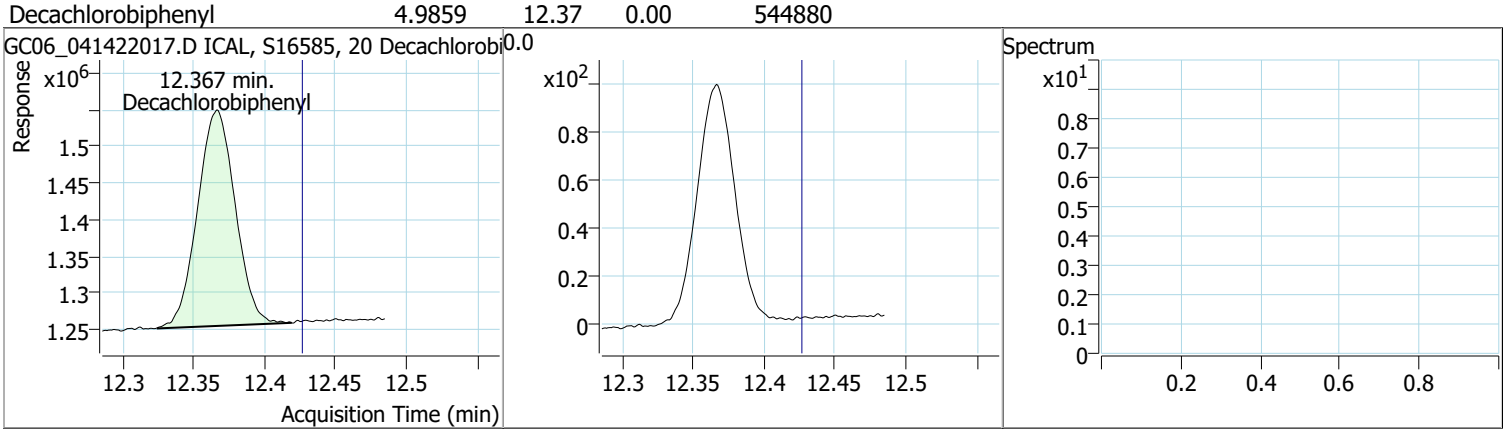
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	2.9203	11.20	-0.01	219505			



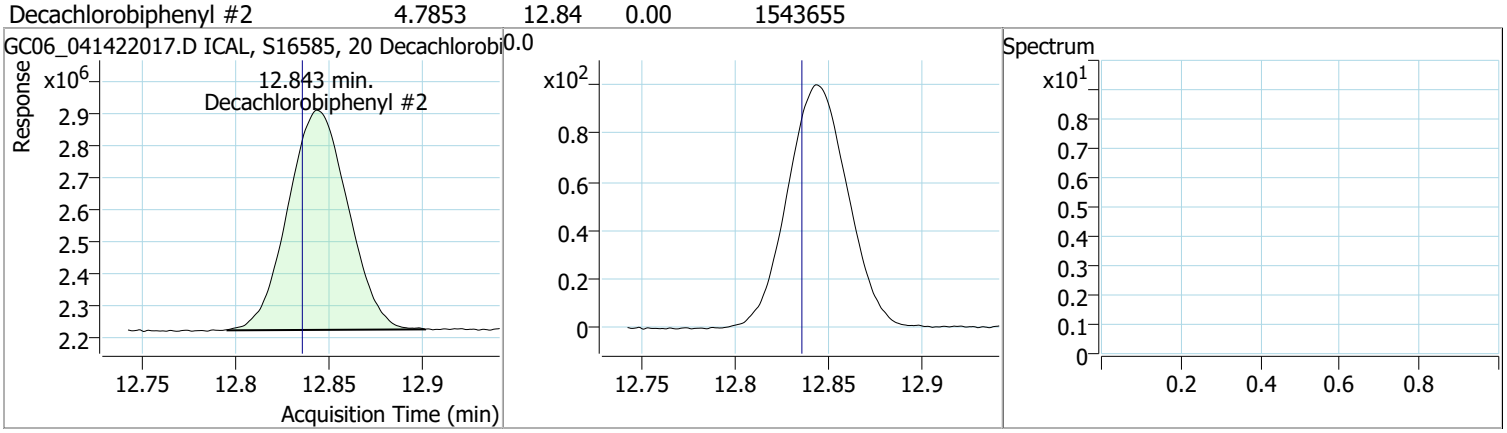
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	7.9882	11.47	0.08	2374924			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	4.9859	12.37	0.00	544880			

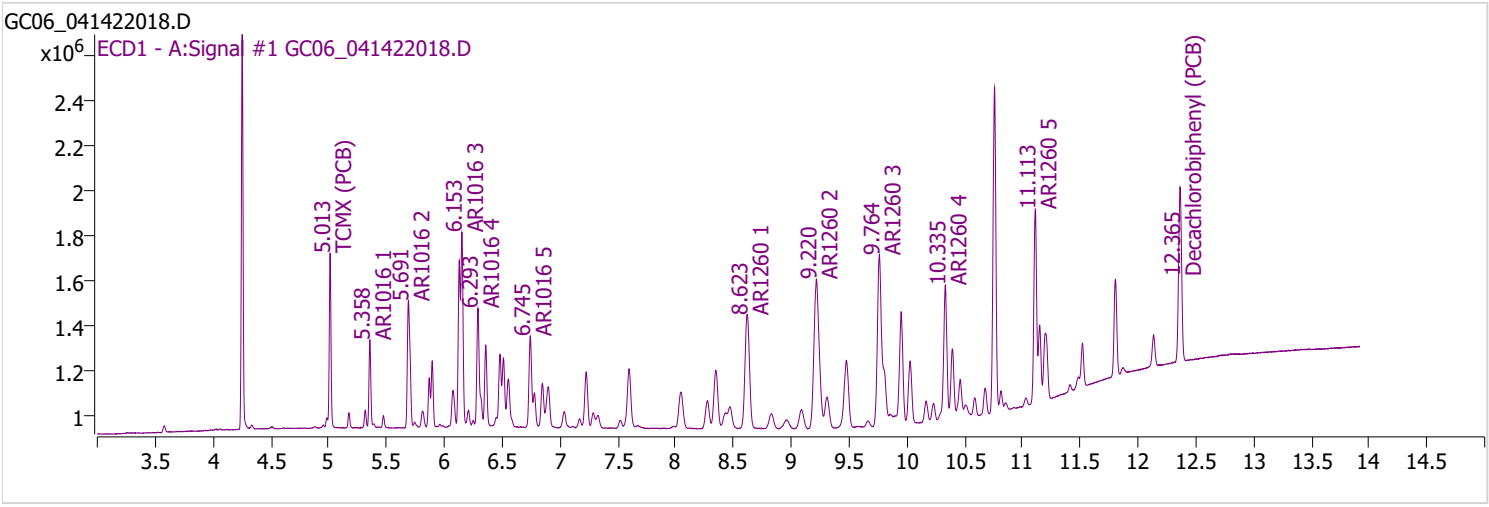


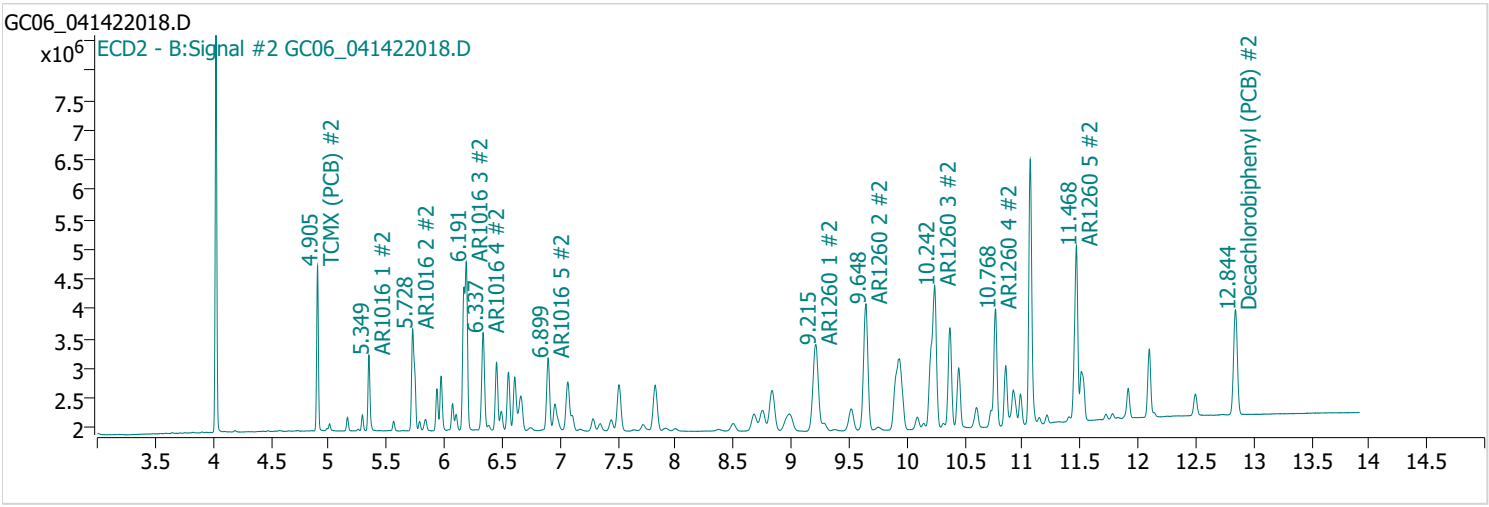
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	4.7853	12.84	0.00	1543655			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422018.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 7:33:59 PM
Sample Name	ICAL, S16585, 8	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 114	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



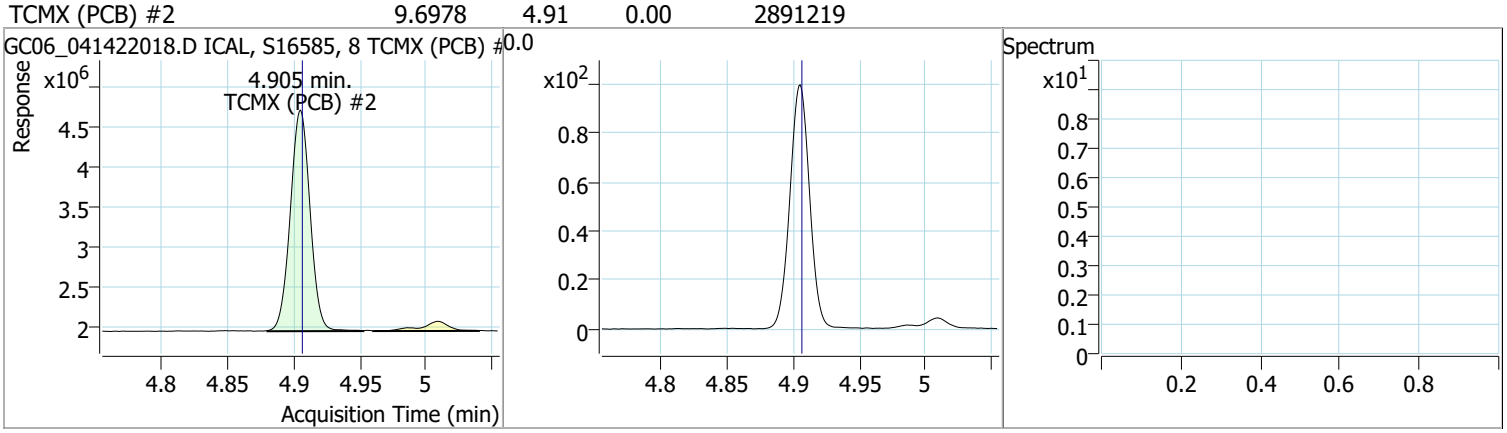


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.253	4.027	1820556	6508941	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.013	4.905	813524	2891219	9.290	9.698	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	46.45% *	48.49% *	
S Decachlorobiphenyl (PCB)	12.365	12.844	1430102	4047244	10.331	10.305	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	51.66%	51.52%	
Target Compounds							
T AR1016 1	5.358	5.349	457924	1557601	257.142	255.536	ng/ml
T AR1016 2	5.691	5.728	935259	3226343	241.201	255.057	ng/ml
T AR1016 3	6.153	6.191	1142128	4149358 m	250.277	248.730	ng/ml
T AR1016 4	6.293	6.337	848628	2863787	248.499	253.035	ng/ml
T AR1016 5	6.745	6.899	654329	2208069	247.696	249.541	ng/ml
T AR1260 1	8.623	9.215	1377678	4761062 m	240.459	241.679	ng/ml
T AR1260 2	9.220	9.648	2113917	5557383	239.550	244.145	ng/ml
T AR1260 3	9.764	10.242	2170500	7428428	236.600	240.203	ng/ml
T AR1260 4	10.335	10.768	1089495	4107005	238.800	245.423	ng/ml

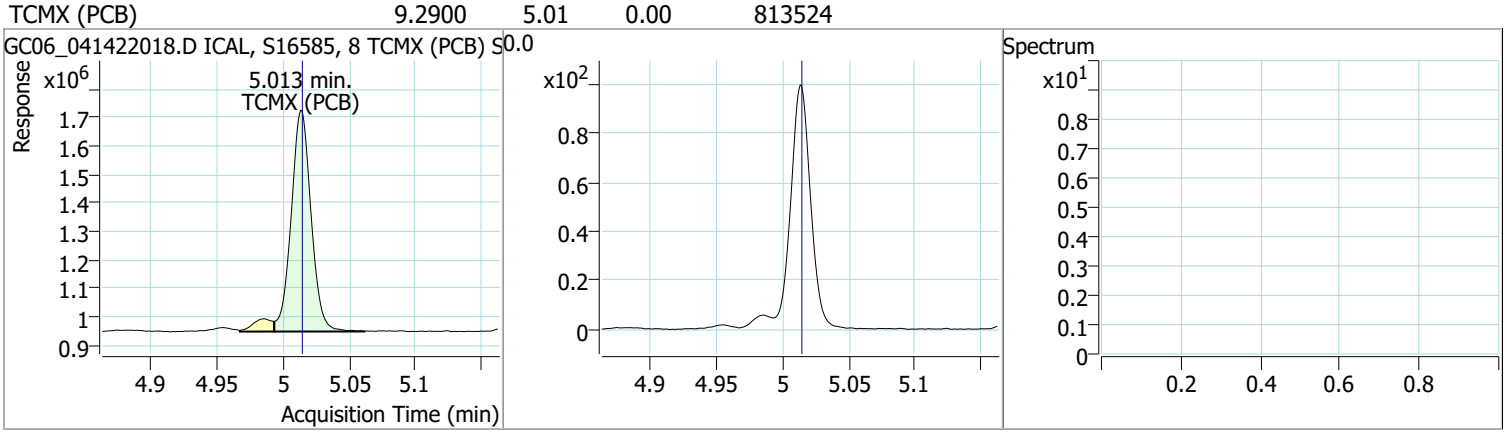
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.113	11.468	1425557	5858491	236.080	237.454	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

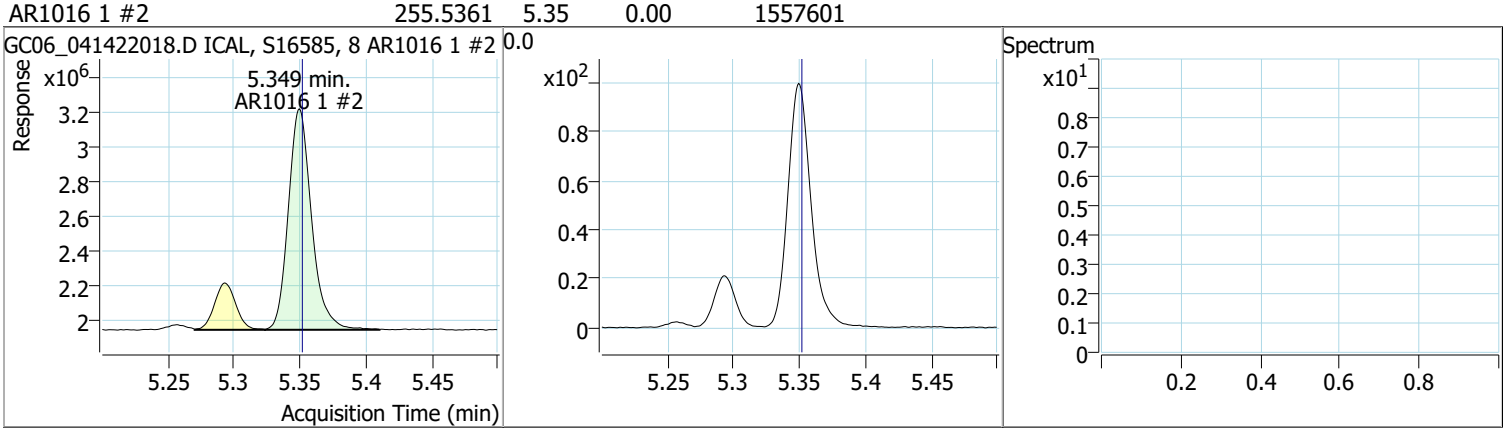
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	9.6978	4.91	0.00	2891219			



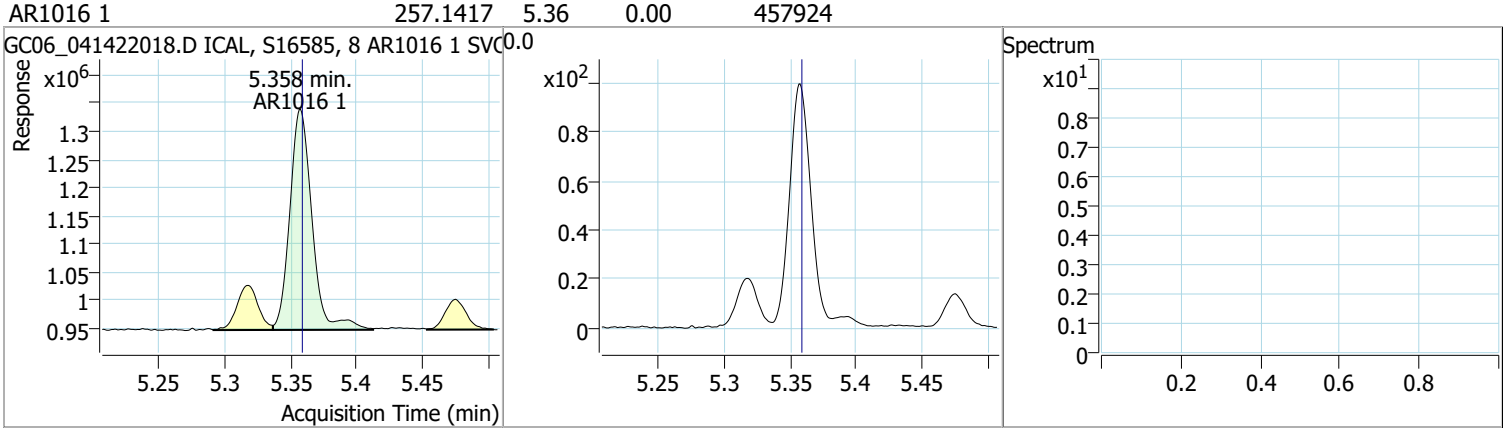
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	9.2900	5.01	0.00	813524			



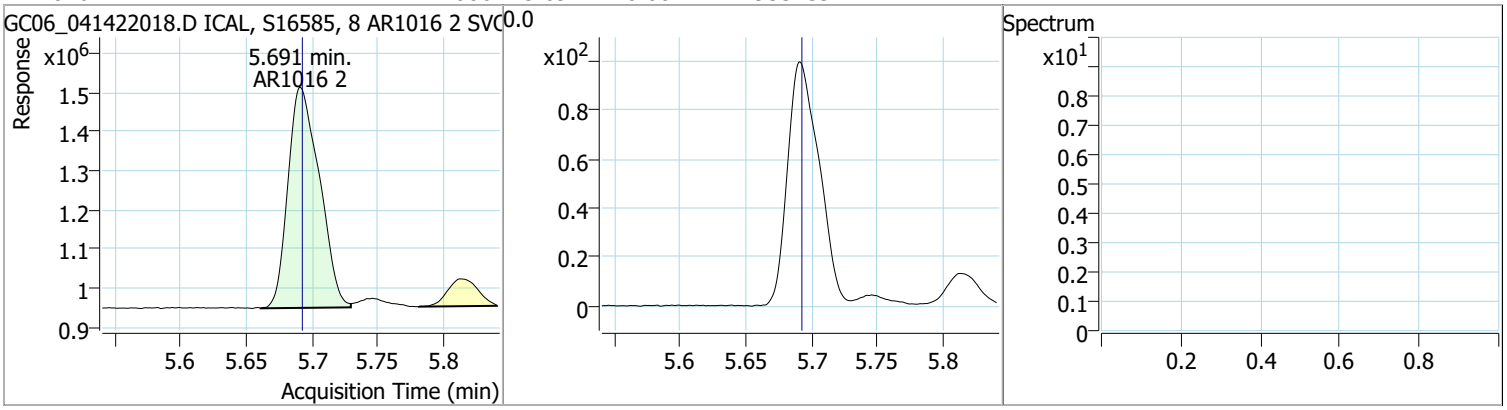
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	255.5361	5.35	0.00	1557601			



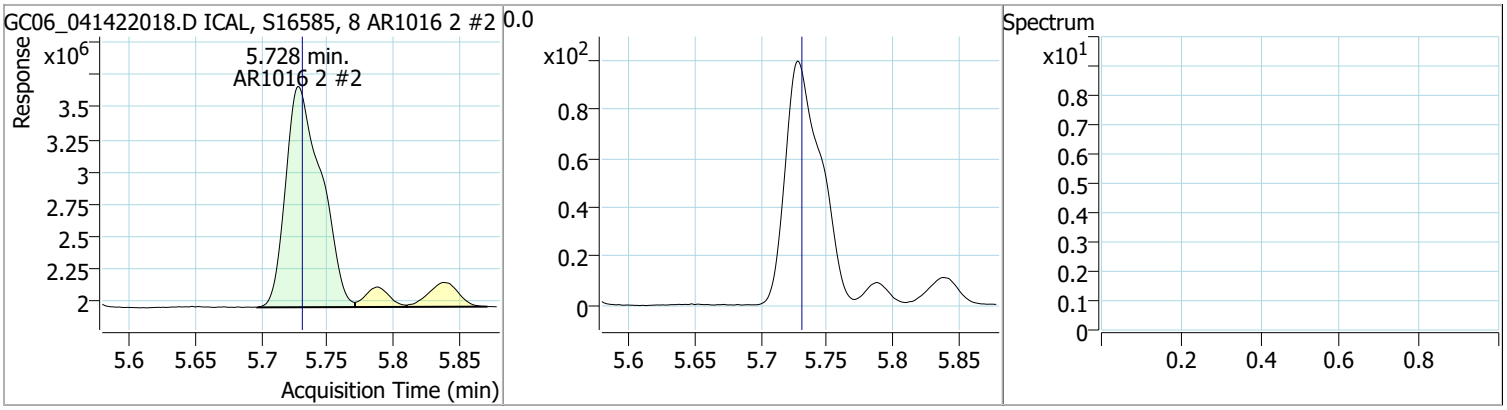
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	257.1417	5.36	0.00	457924			



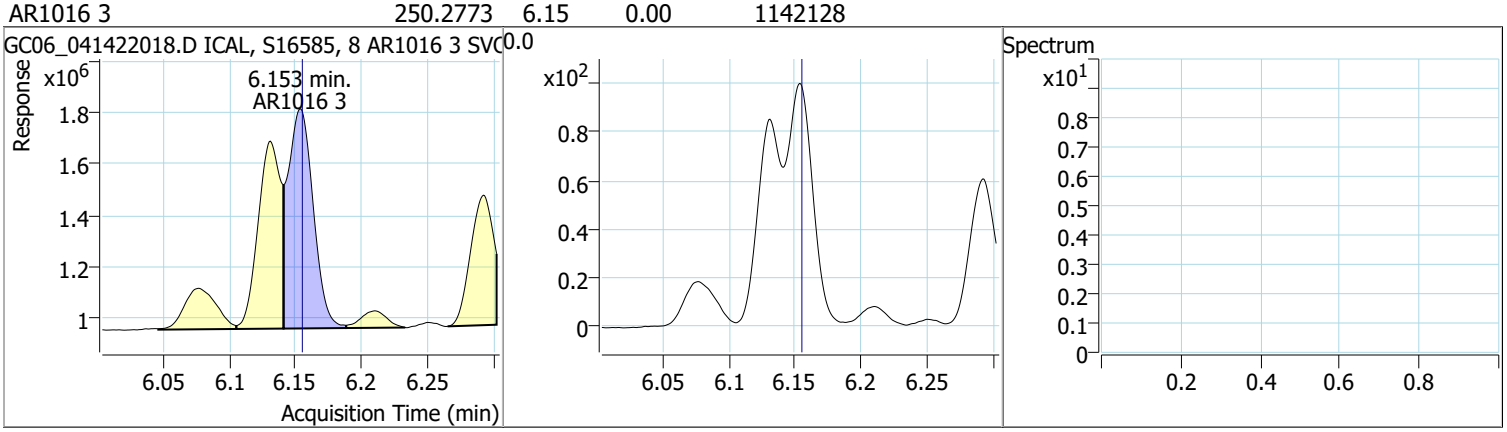
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	241.2006	5.69	0.00	935259			



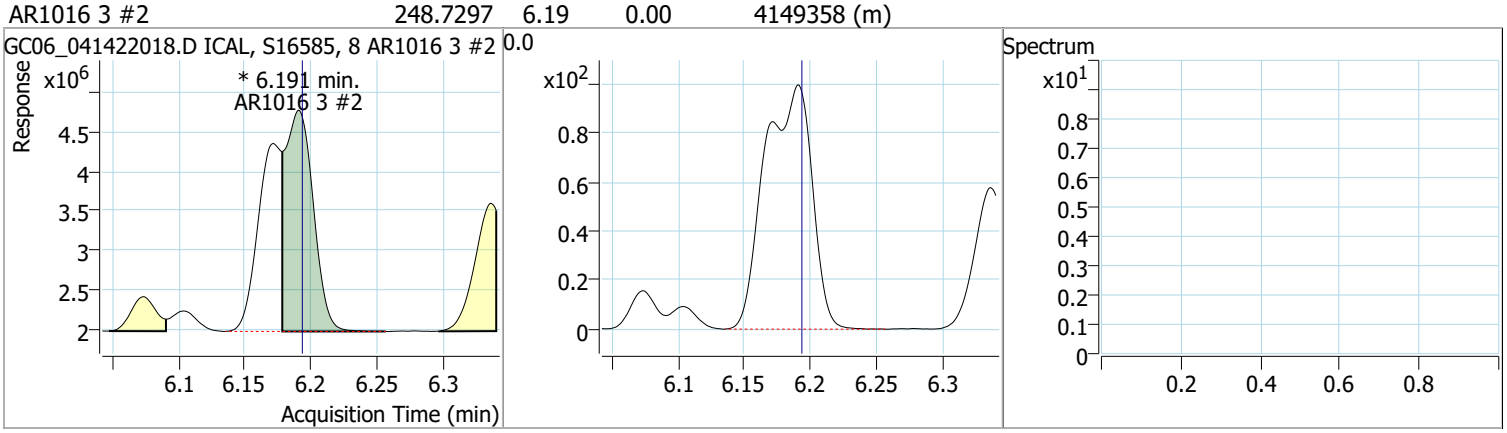
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	255.0565	5.73	0.00	3226343			



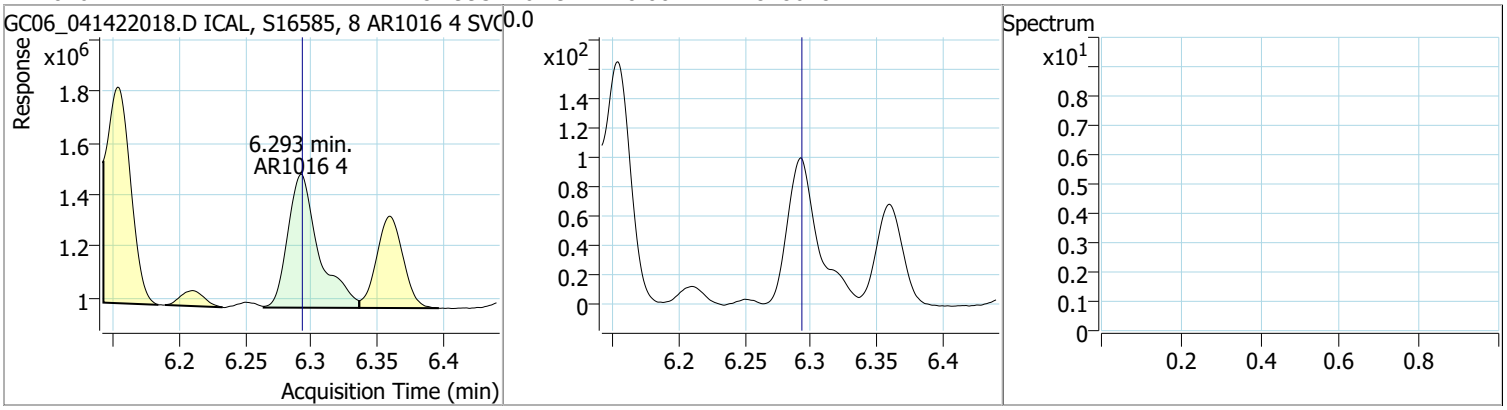
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	250.2773	6.15	0.00	1142128			



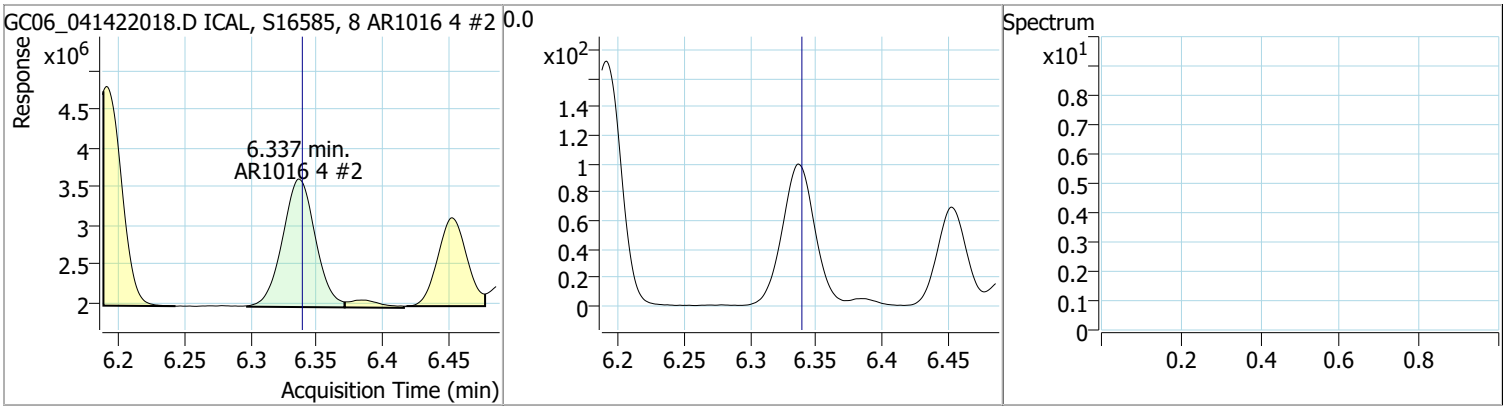
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	248.7297	6.19	0.00	4149358 (m)			



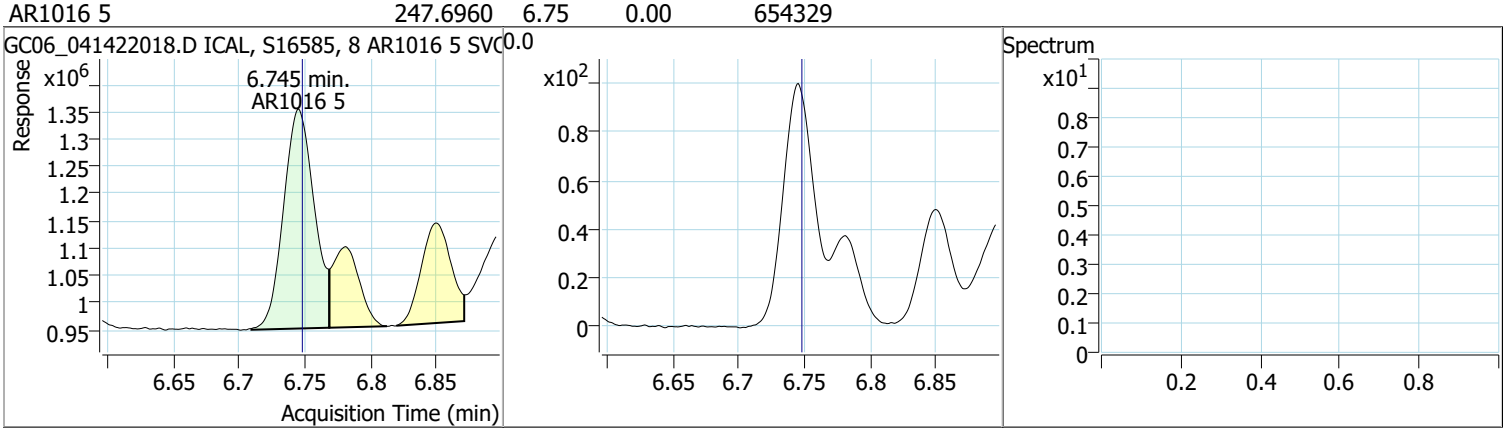
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	248.4995	6.29	0.00	848628			



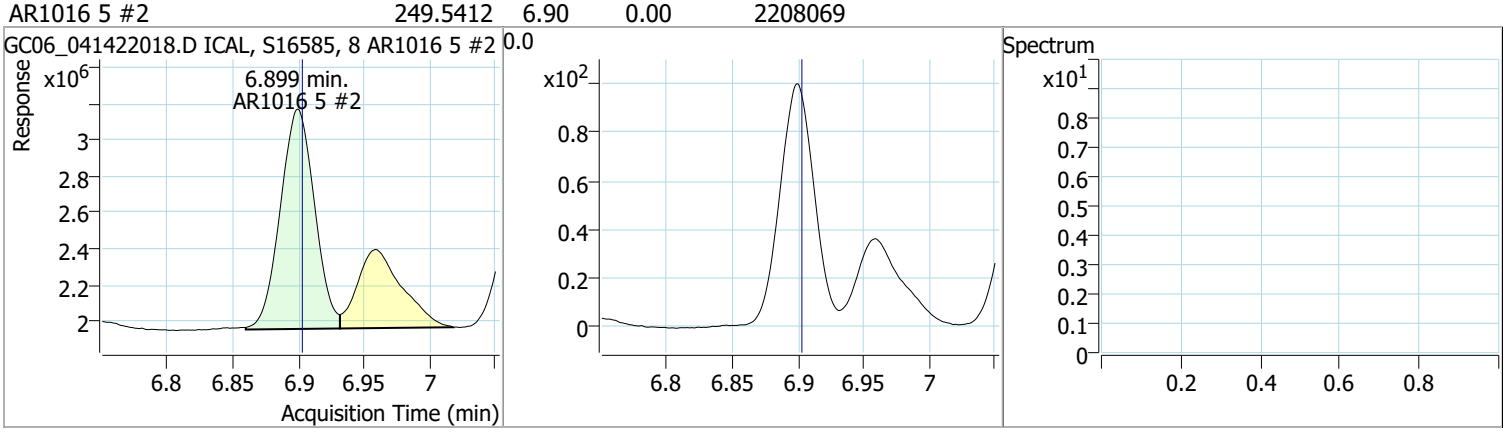
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	253.0345	6.34	0.00	2863787			



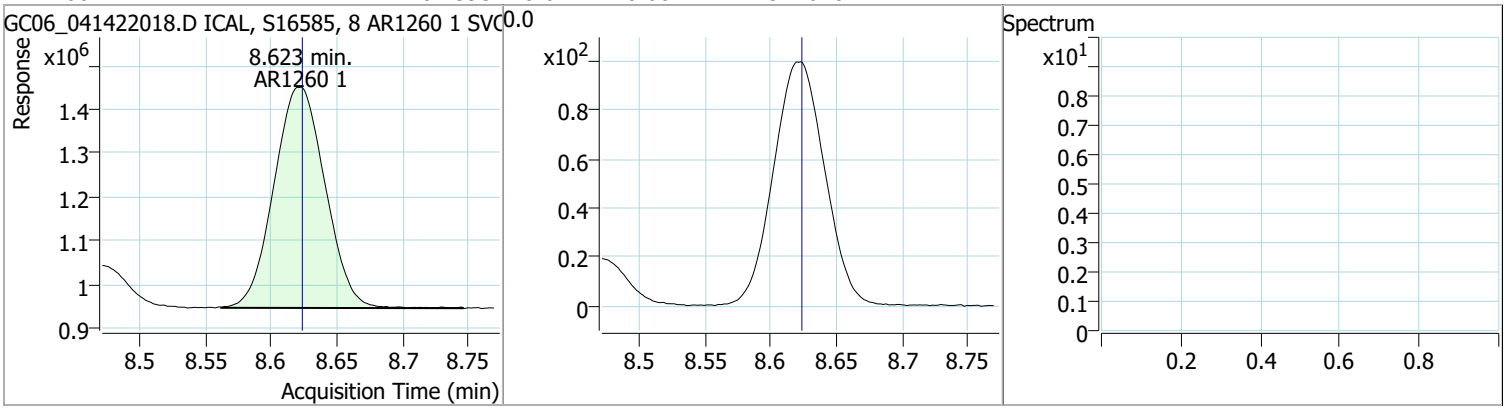
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	247.6960	6.75	0.00	654329			



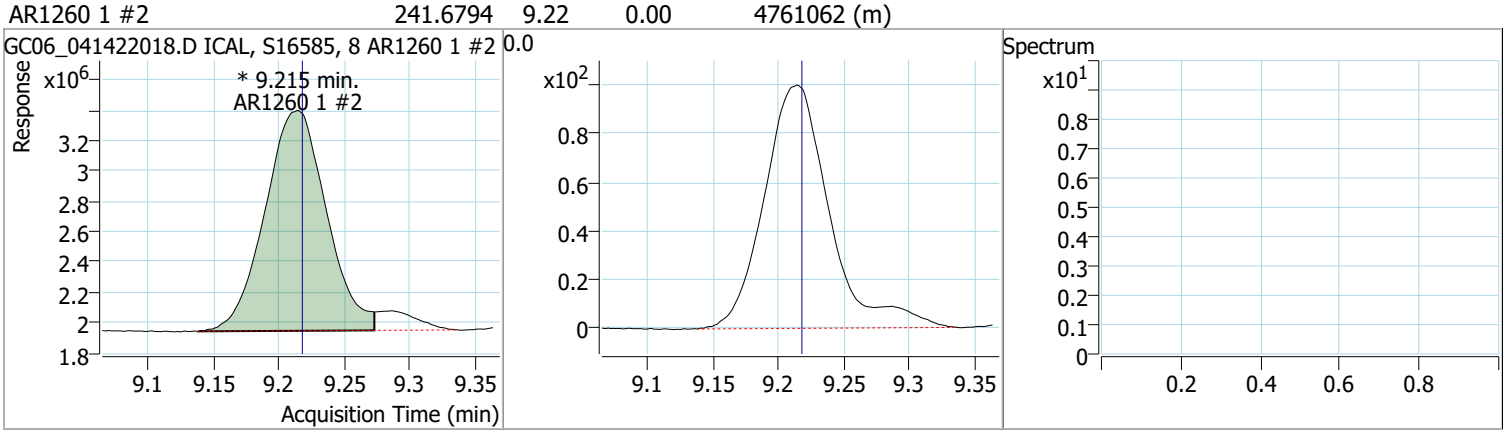
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	249.5412	6.90	0.00	2208069			



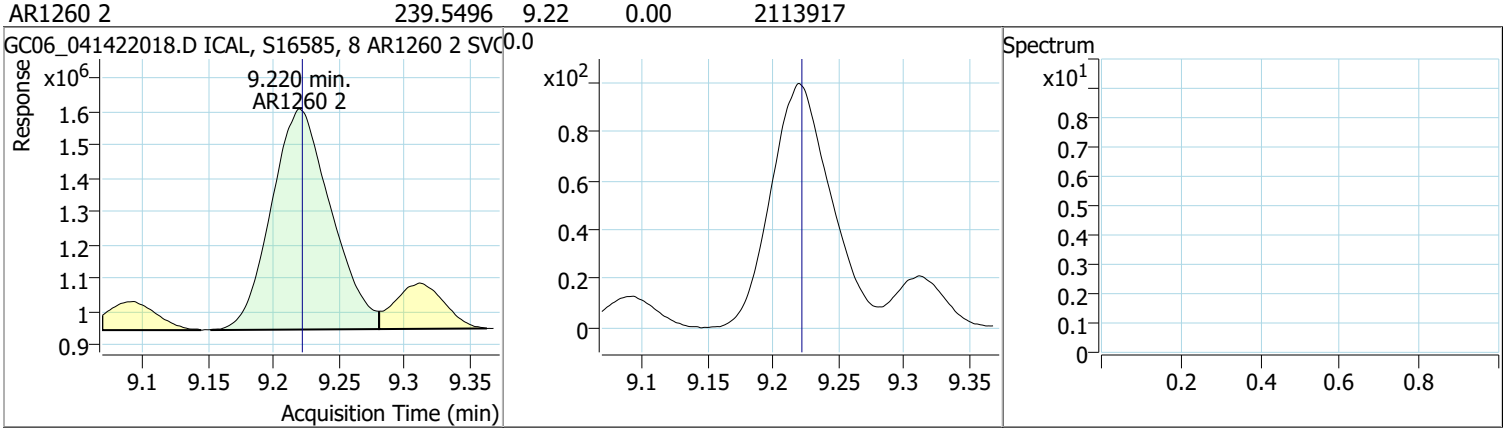
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	240.4595	8.62	0.00	1377678			



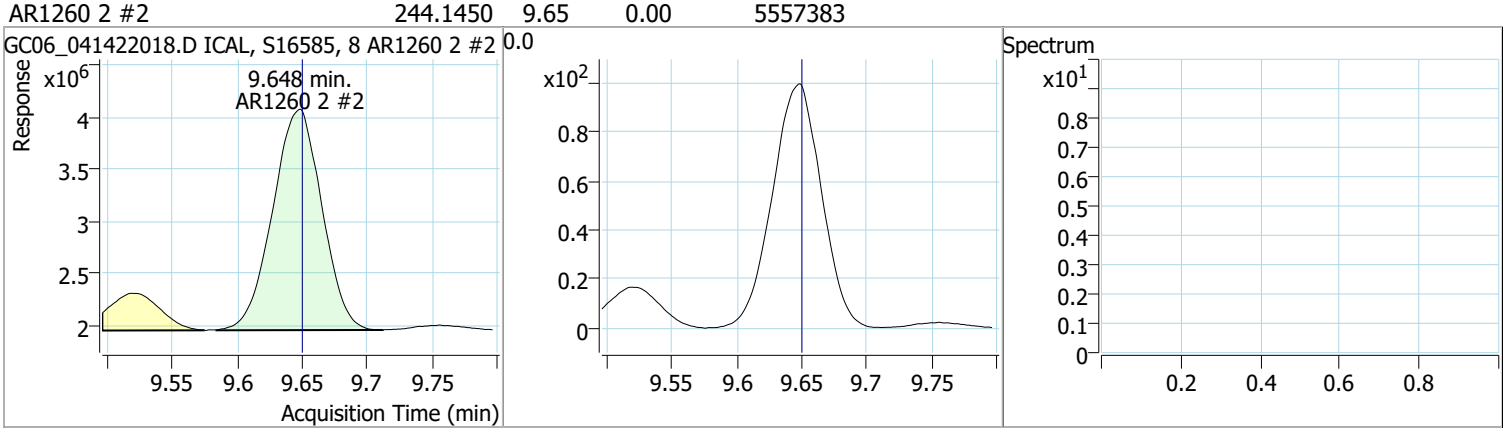
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	241.6794	9.22	0.00	4761062 (m)			



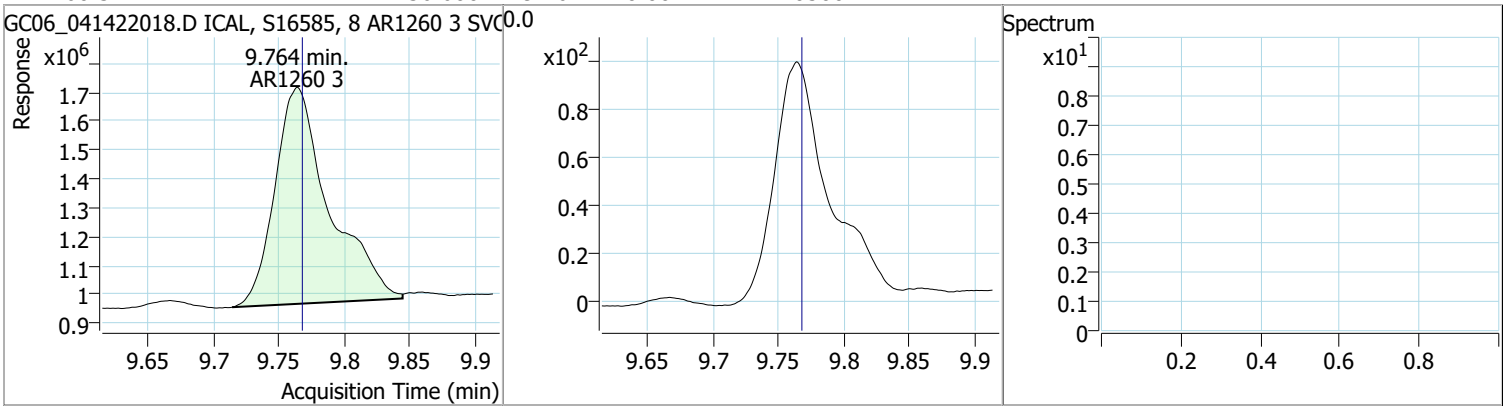
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	239.5496	9.22	0.00	2113917			



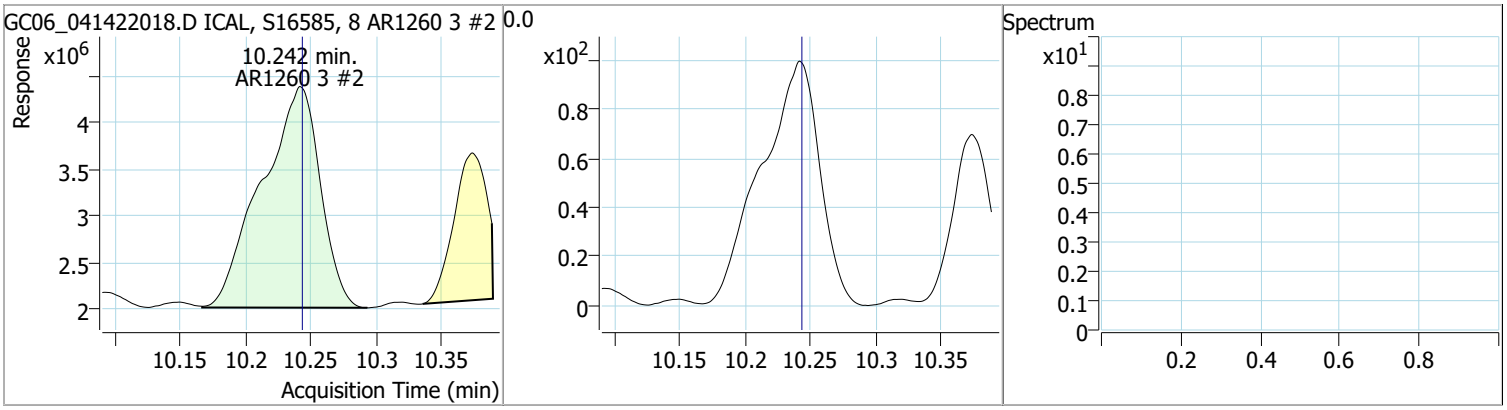
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	244.1450	9.65	0.00	5557383			



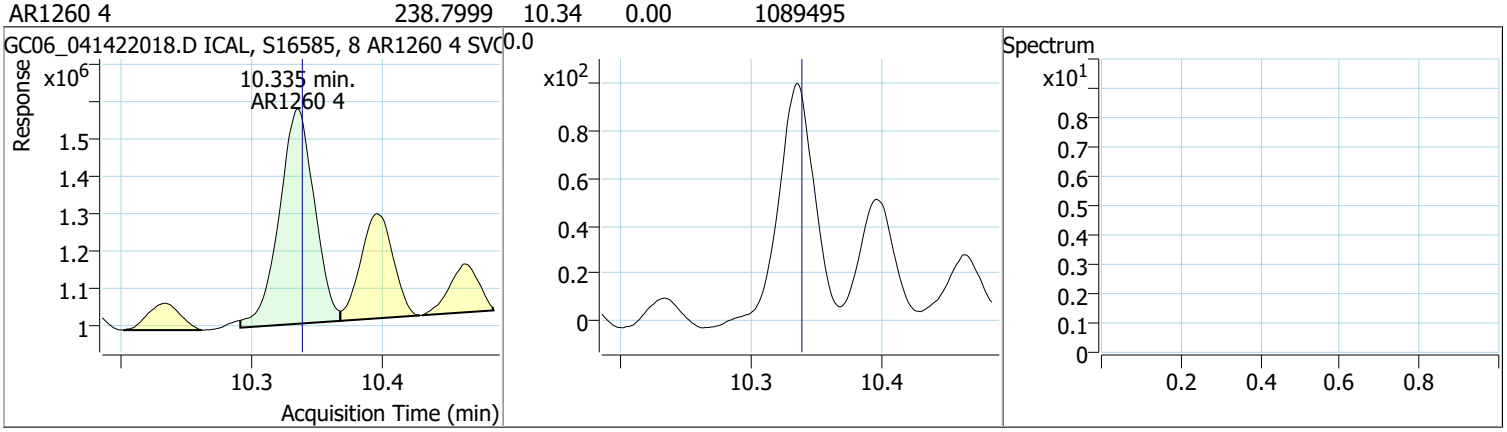
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	236.6001	9.76	0.00	2170500			



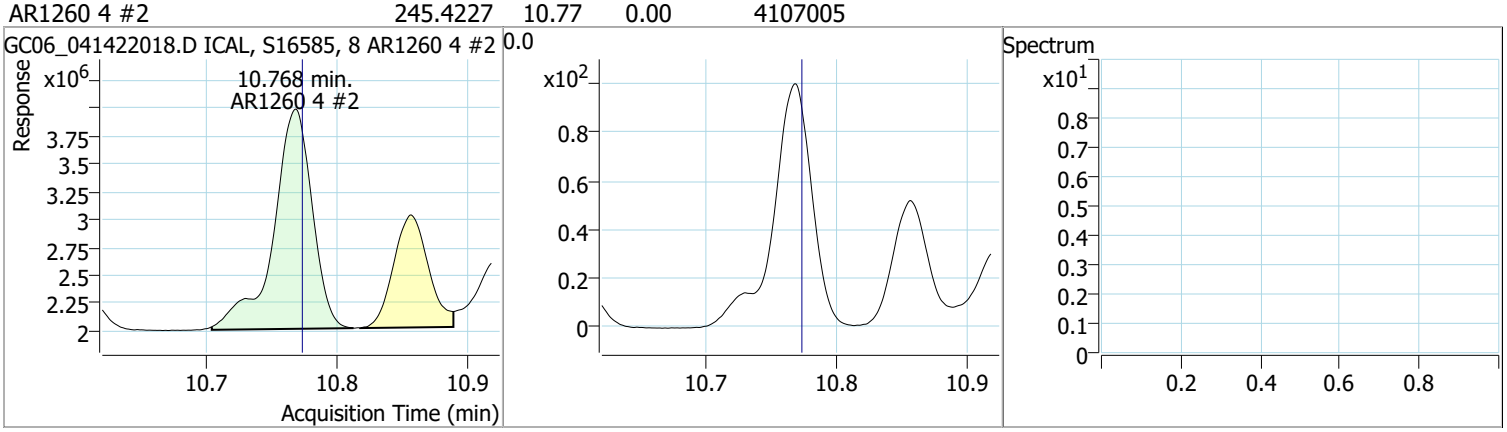
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	240.2026	10.24	0.00	7428428			



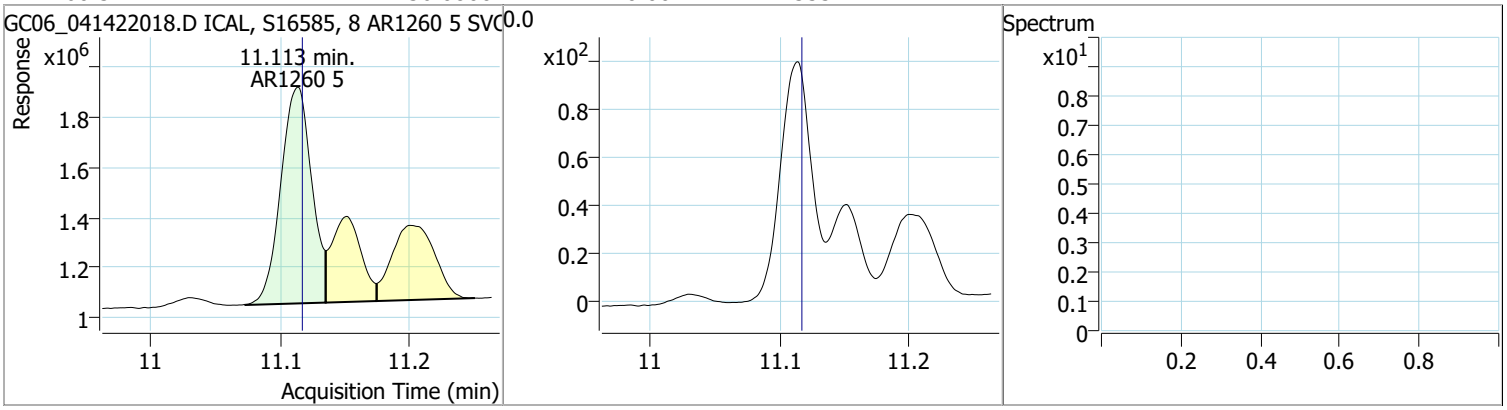
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	238.7999	10.34	0.00	1089495			



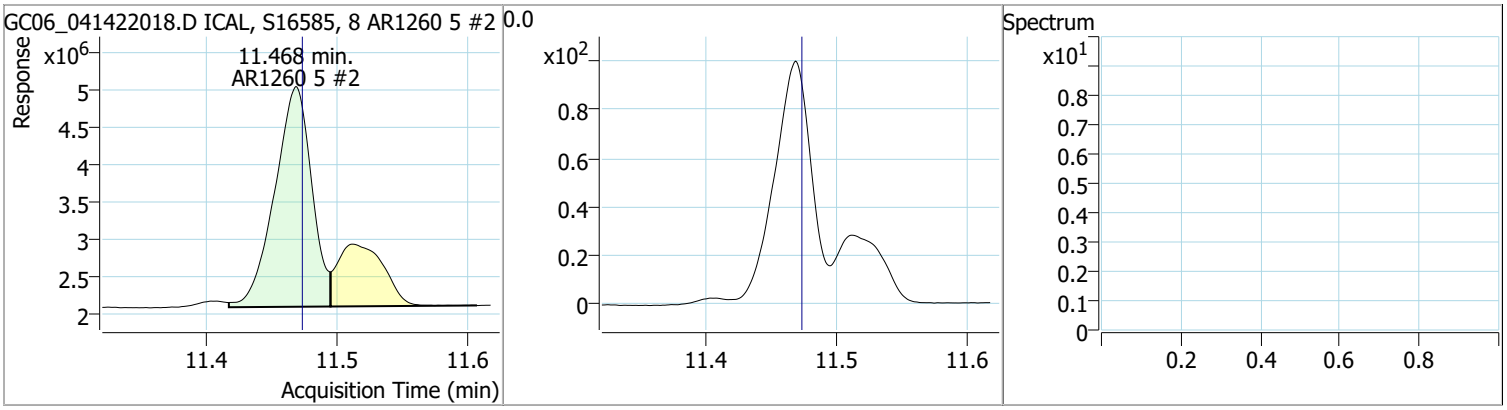
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	245.4227	10.77	0.00	4107005			



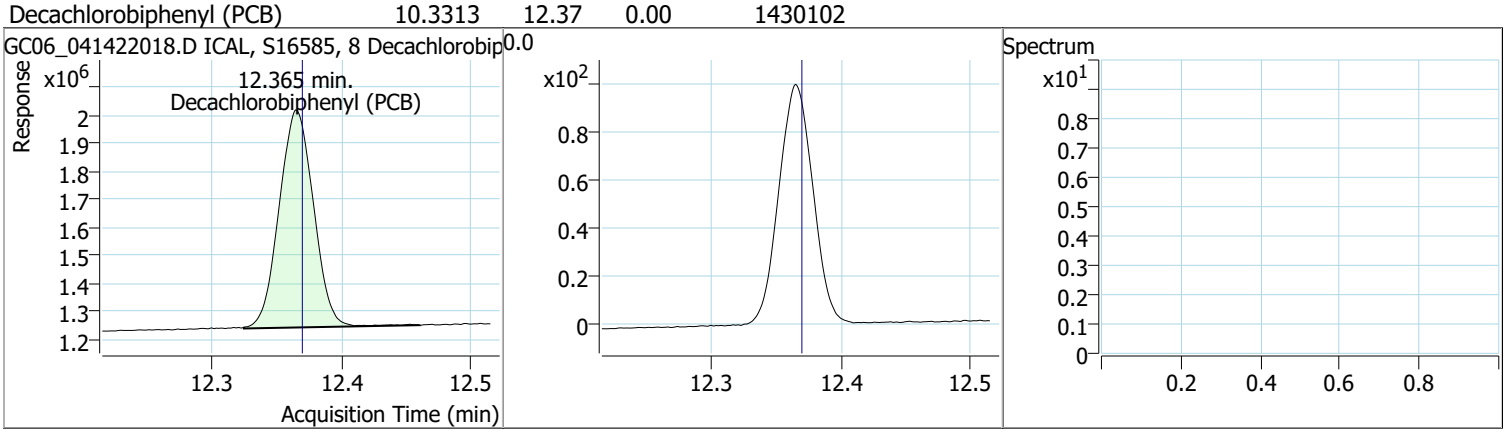
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	236.0800	11.11	0.00	1425557			



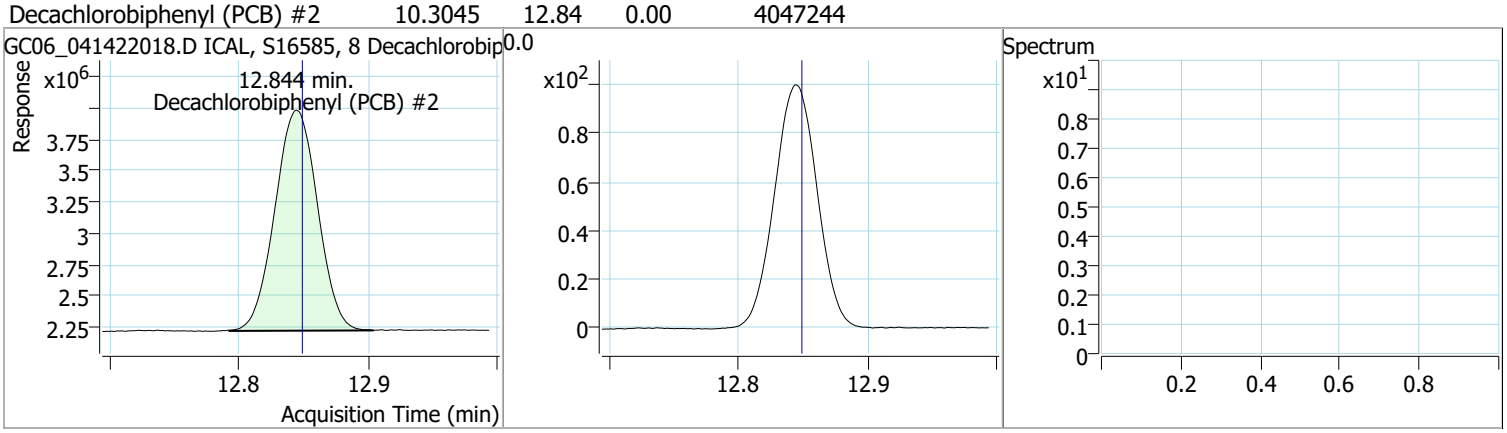
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	237.4541	11.47	0.00	5858491			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	10.3313	12.37	0.00	1430102			

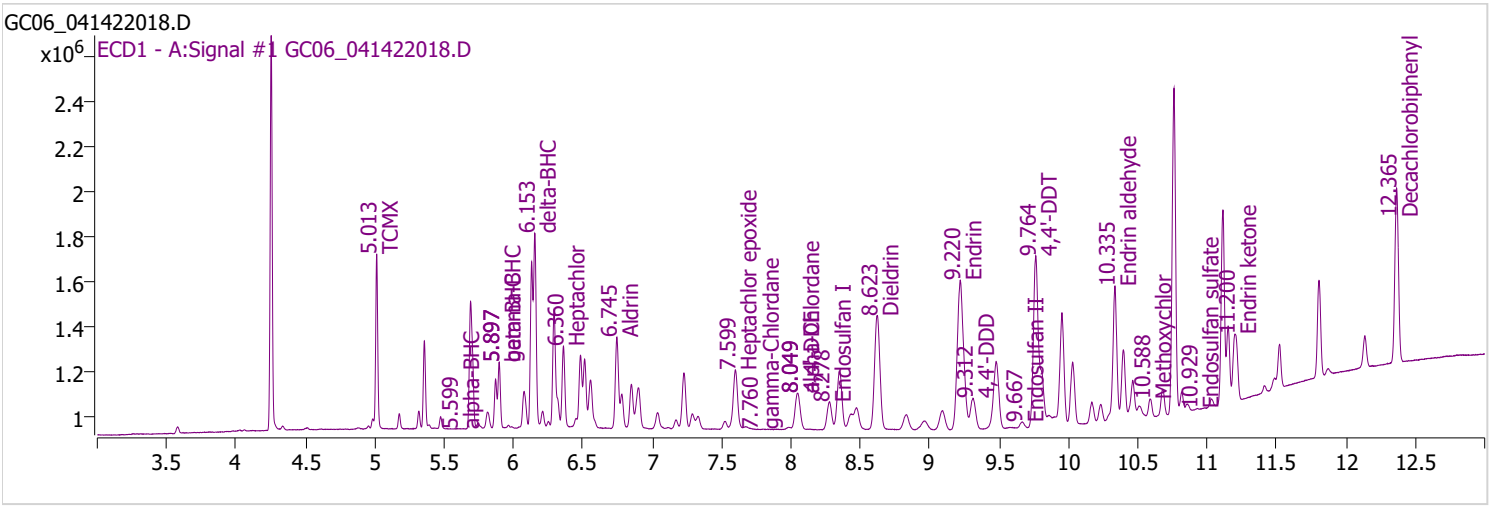


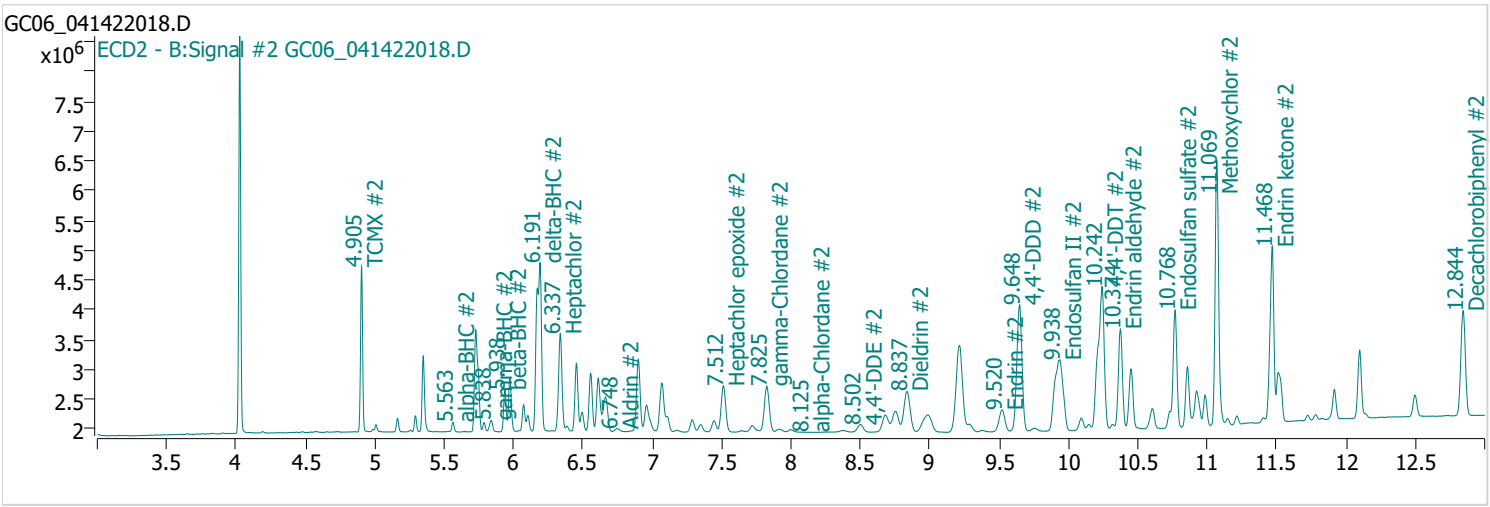
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	10.3045	12.84	0.00	4047244			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422018.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 7:33:59 PM
Sample Name	ICAL, S16585, 8	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 114	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 7:48:13 PM



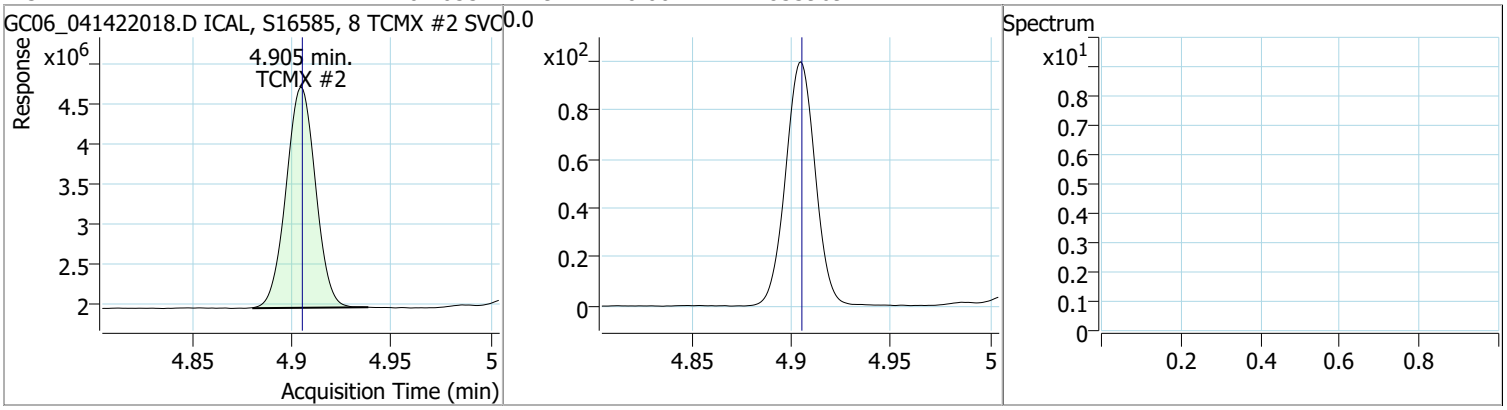


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.253	4.027	1810417	6499905	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.013	4.905	811346	2853969	9.746	10.206	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	48.73% *	51.03%	
S Decachlorobiphenyl	12.365	12.844	1415434	4046605	11.288	11.006	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	56.44%	55.03%	
Target Compounds							
T alpha-BHC	5.599	5.563 f	2285	173751	0.032	0.648 #	ng/ml
T gamma-BHC	5.897	5.838	352956	272025	4.384	1.003 #	ng/ml
T beta-BHC	5.897	5.938	353220	900456	8.858	5.866 #	ng/ml
T delta-BHC	6.153	6.191	1121361	7054070	10.720	14.459 #	ng/ml
T Heptachlor	6.360	6.337	440891	2815494	5.236	8.001 #	ng/ml
T Aldrin	6.745	6.748	654490	109610	7.342	0.384 #	ng/ml
T Heptachlor epoxide	7.599	7.512	560065	1627819	6.496	5.561	ng/ml
T gamma-Chlordane	7.760	7.825	651	1822297	0.009	5.746 #	ng/ml
T alpha-Chlordane	8.049	8.125	258648	870	3.630	0.004 #	ng/ml

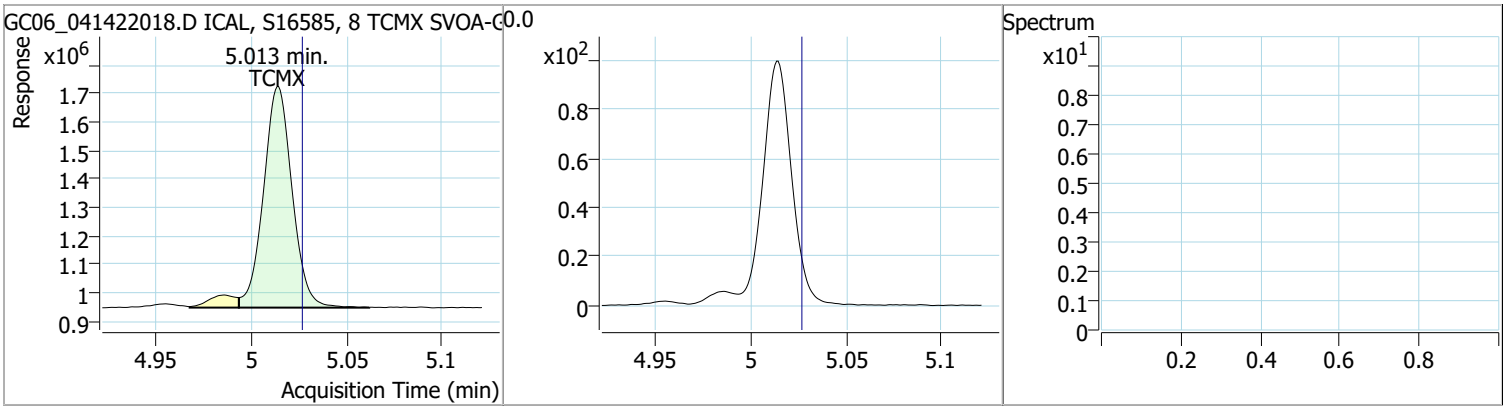
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.278	----	285063	0	4.254	N.D. #	ng/ml
T 4,4'-DDE	8.049	8.502 f	389107	323971	5.551	1.490 #	ng/ml
T Dieldrin	8.623	8.837	1377278	1442884	15.328	5.586 #	ng/ml
T Endrin	9.220	9.520	1953611	1048602	21.017	4.585 #	ng/ml
T 4,4'-DDD	9.312	9.648 f	210064	5022109	4.090	23.303 #	ng/ml
T Endosulfan II	9.667	9.938 f	53210	5247074	0.793	17.297 #	ng/ml
T 4,4'-DDT	9.764	10.242	1994739	7377662	28.536	21.922	ng/ml
T Endrin aldehyde	10.335	10.374	1010553	3311917	16.345	15.129	ng/ml
T Endosulfan sulfate	10.929	10.768	5056	4111671	0.086	16.211 #	ng/ml
T Methoxychlor	10.588	11.069 f	124996	7954126	3.462	54.575 #	ng/ml
T Endrin ketone	11.200	11.468 f	533254	5227834	6.654	15.923 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

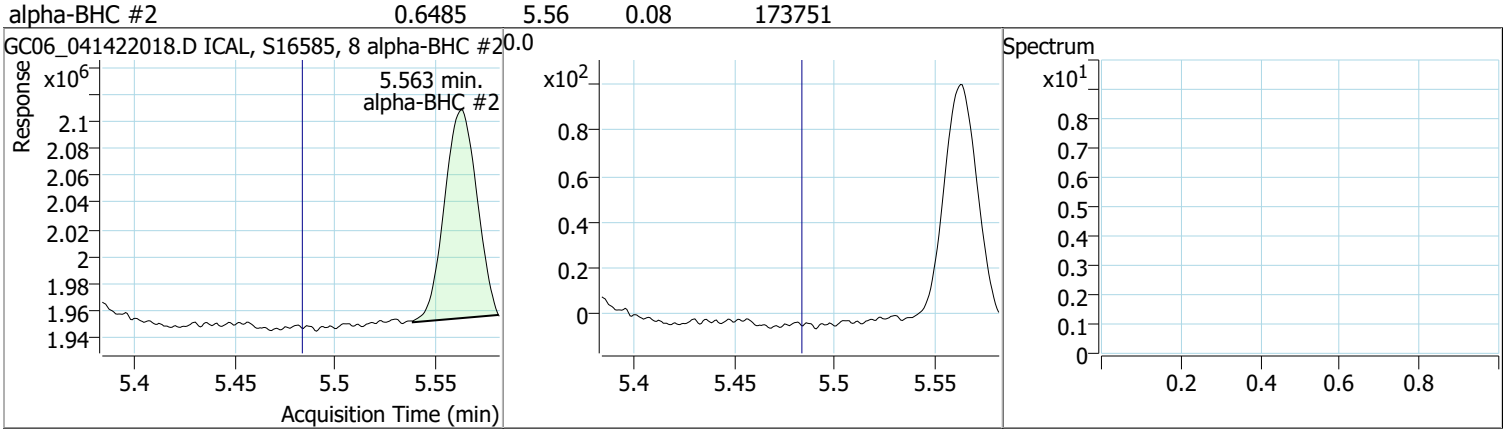
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	10.2055	4.91	0.00	2853969			



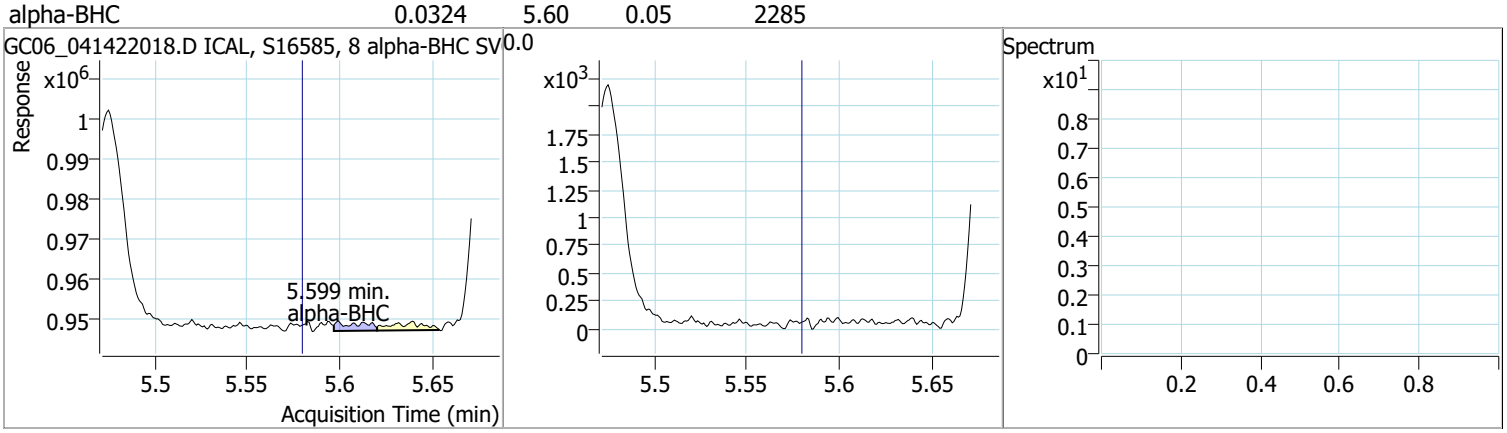
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	9.7457	5.01	0.02	811346			



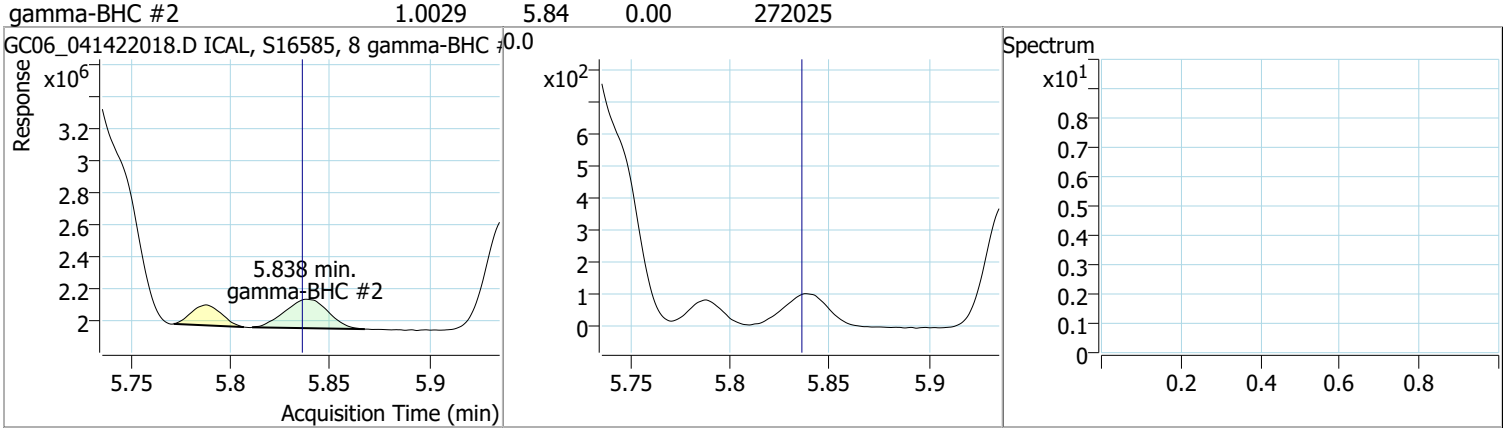
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	0.6485	5.56	0.08	173751			



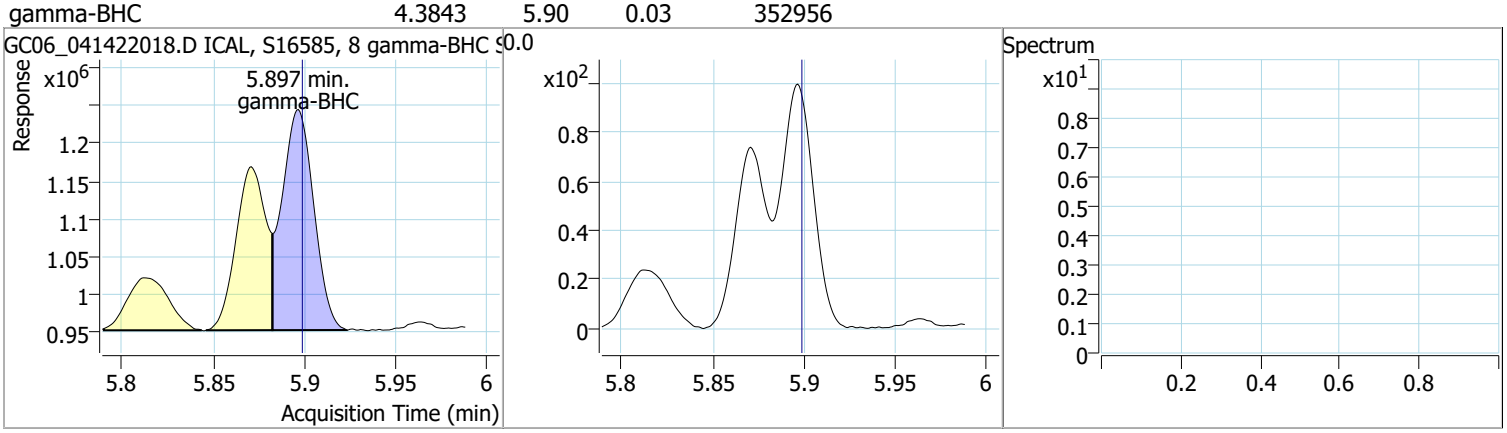
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC	0.0324	5.60	0.05	2285			



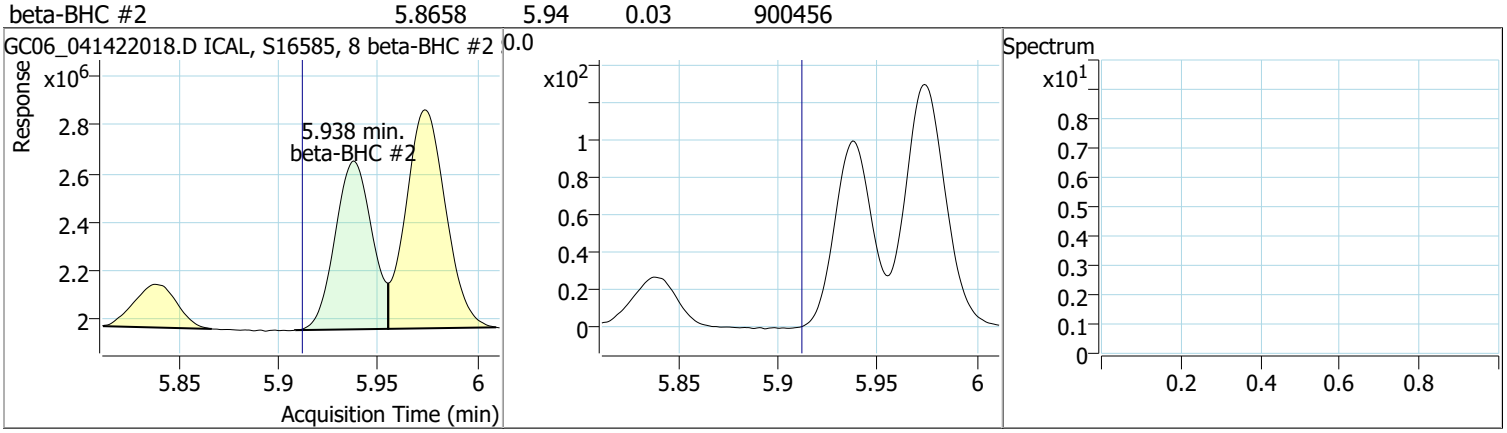
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	1.0029	5.84	0.00	272025			



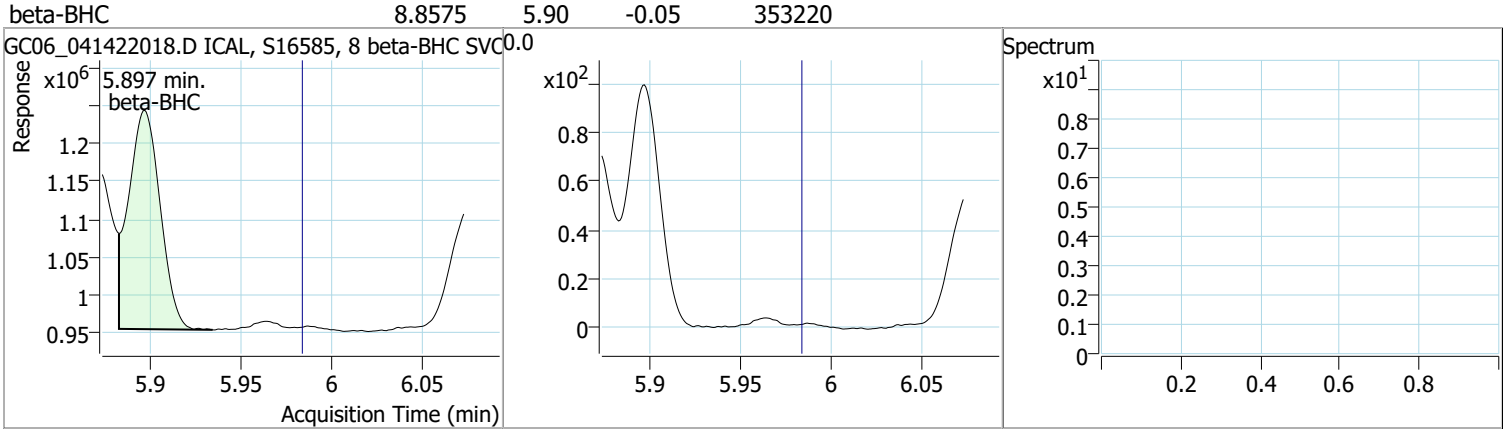
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	4.3843	5.90	0.03	352956			



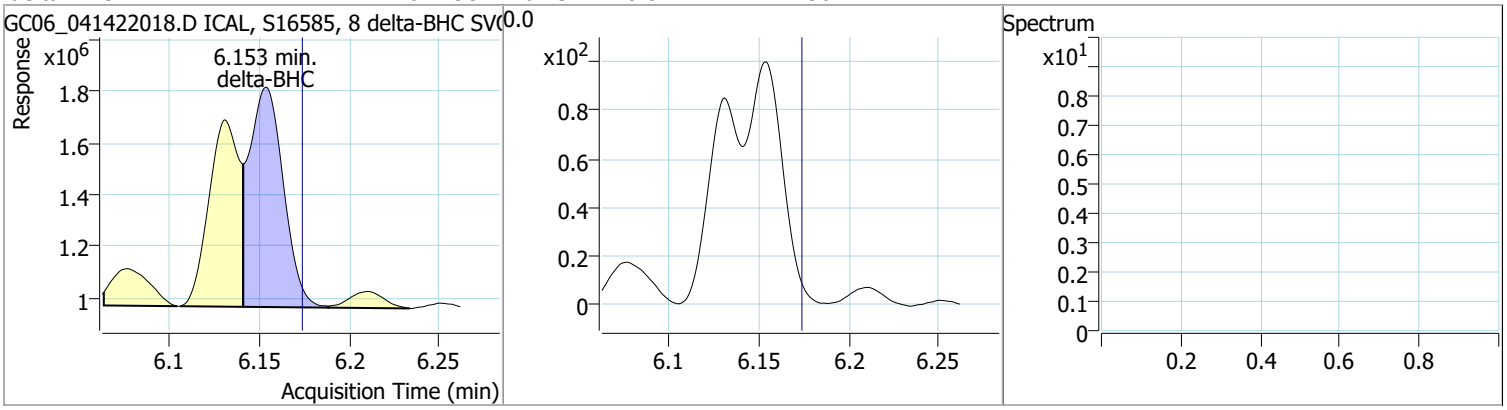
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	5.8658	5.94	0.03	900456			



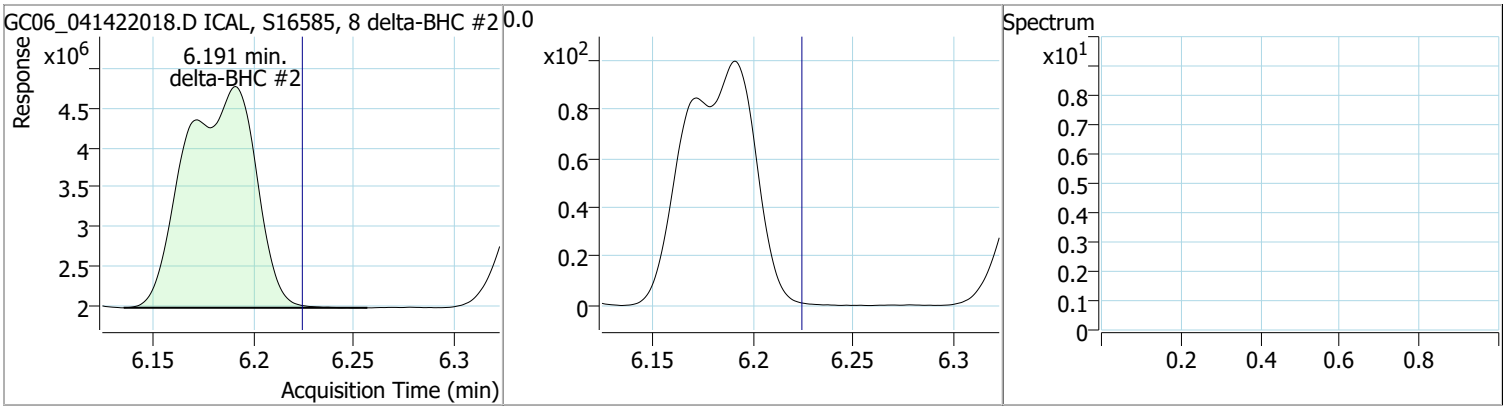
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	8.8575	5.90	-0.05	353220			



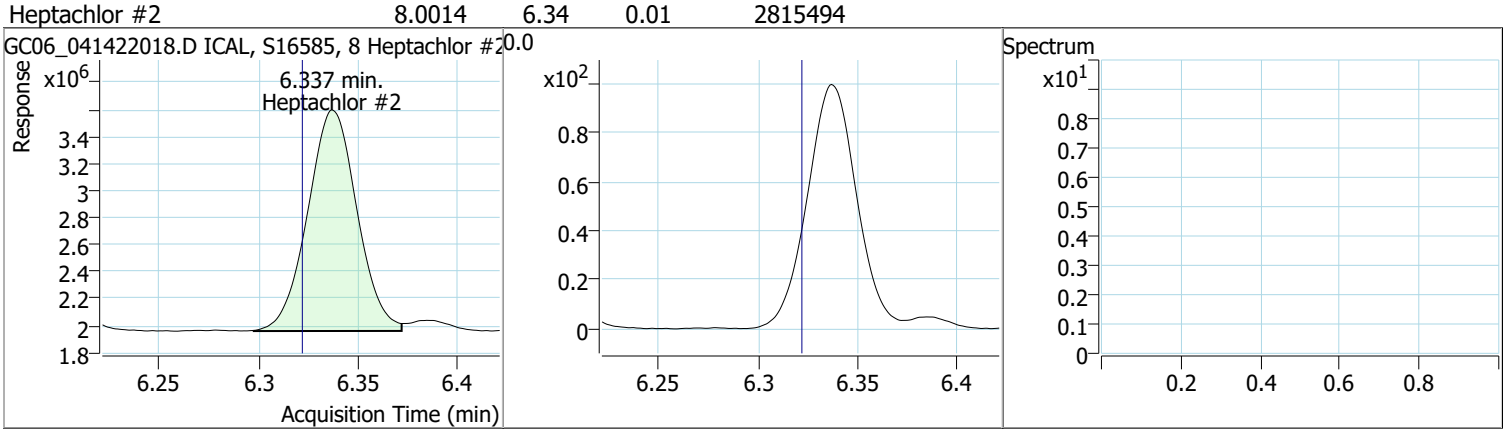
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	10.7195	6.15	0.01	1121361			



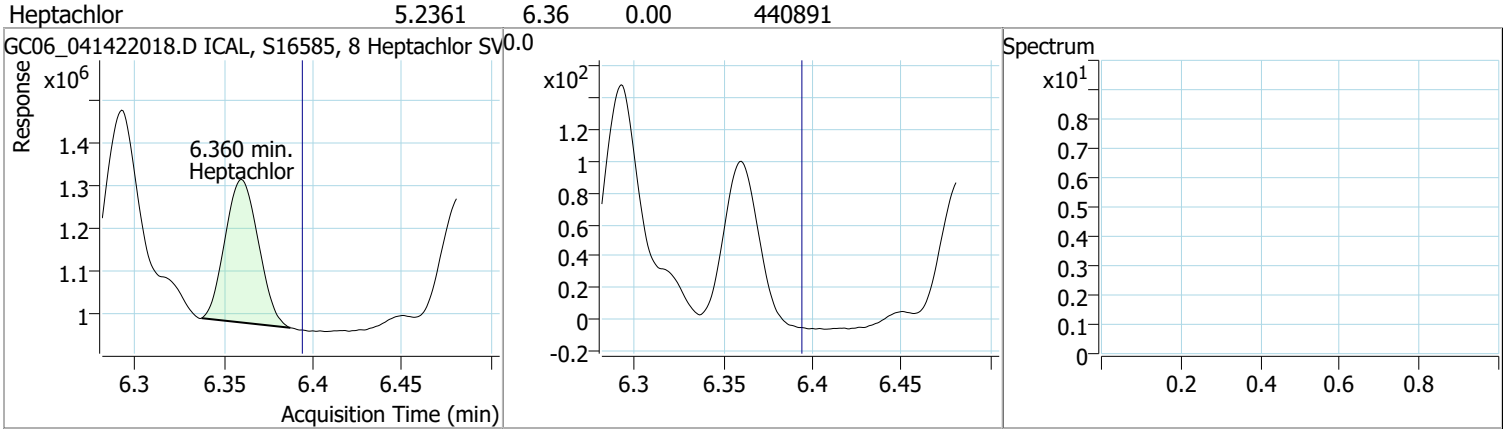
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	14.4595	6.19	-0.03	7054070			



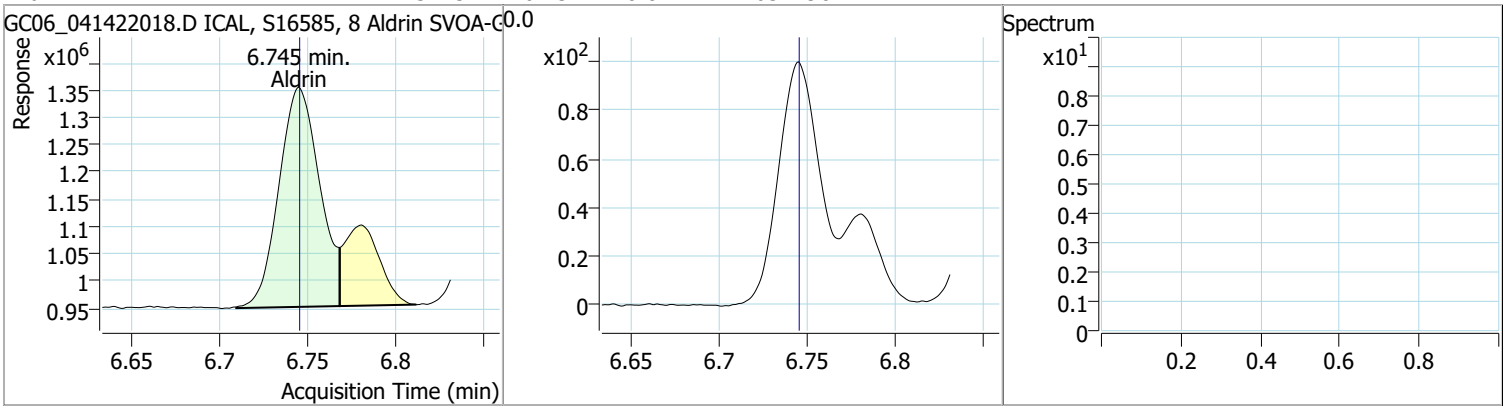
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	8.0014	6.34	0.01	2815494			



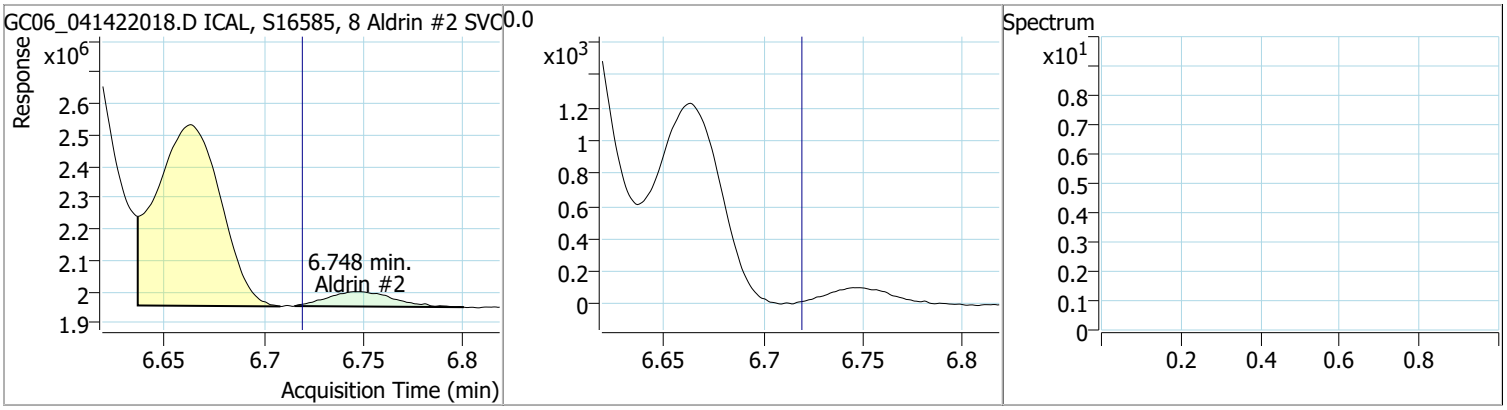
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	5.2361	6.36	0.00	440891			



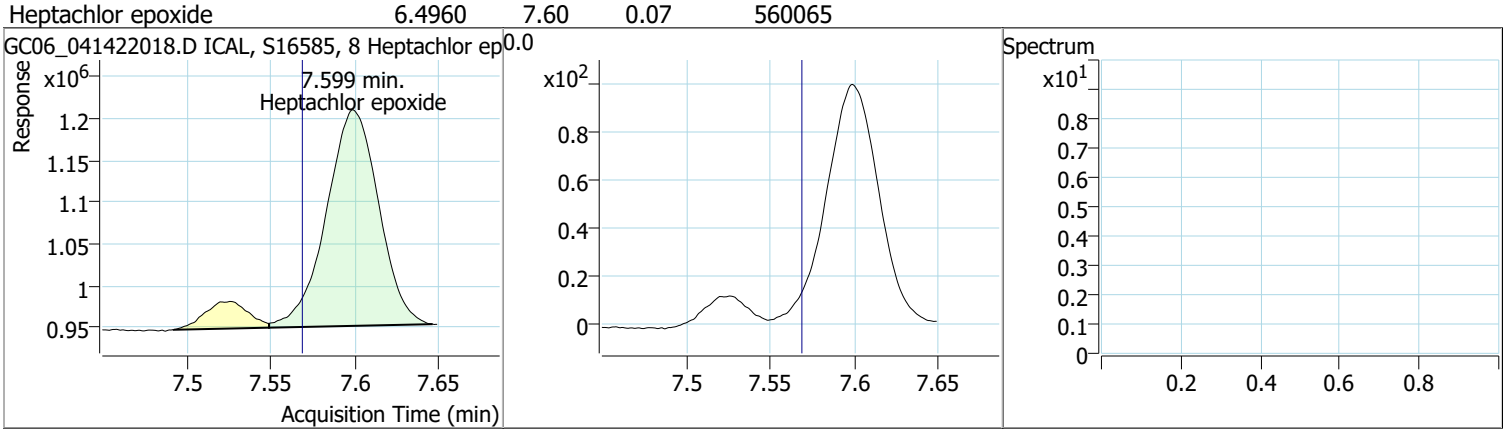
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	7.3425	6.75	0.04	654490			



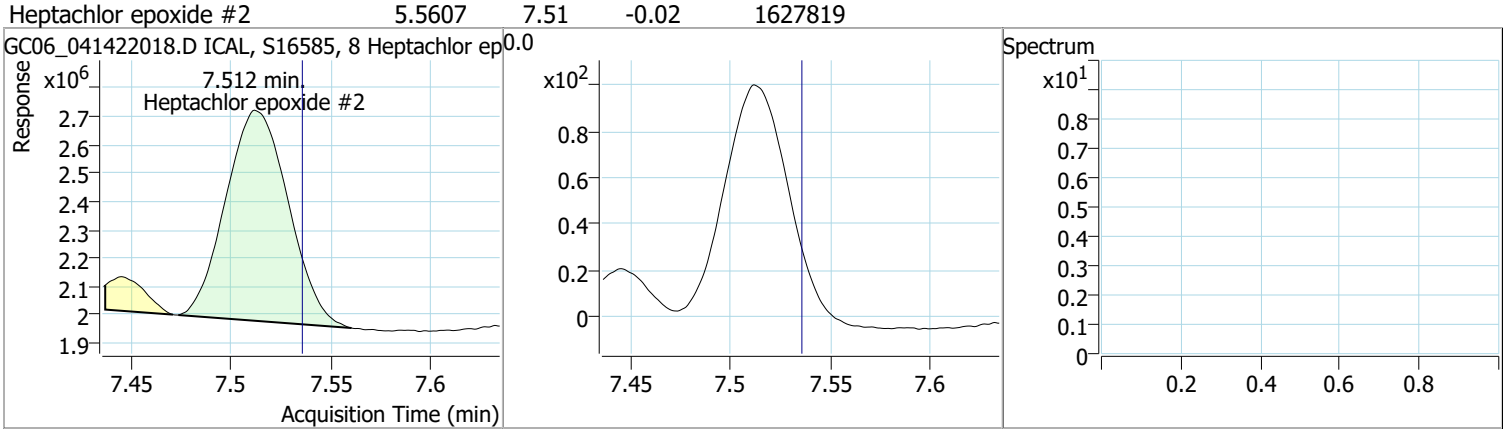
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	0.3838	6.75	0.03	109610			



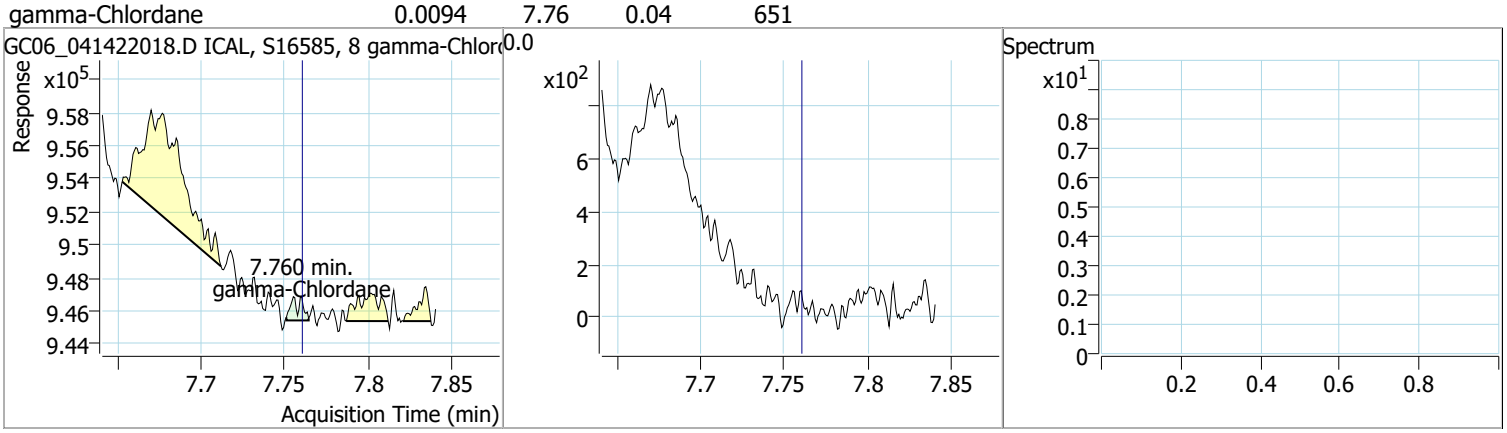
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	6.4960	7.60	0.07	560065			



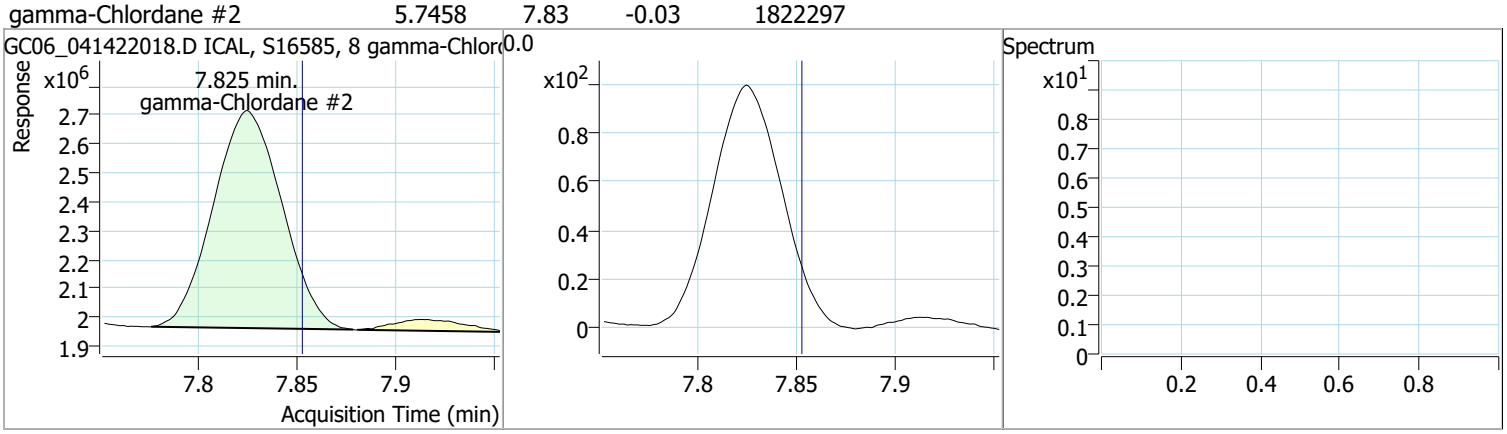
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	5.5607	7.51	-0.02	1627819			



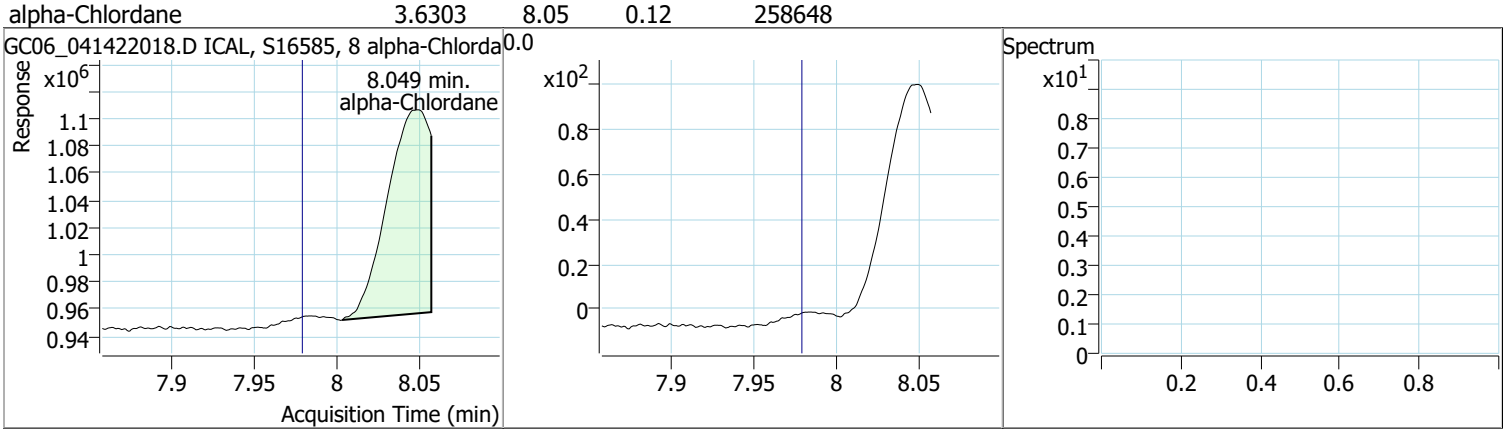
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.0094	7.76	0.04	651			



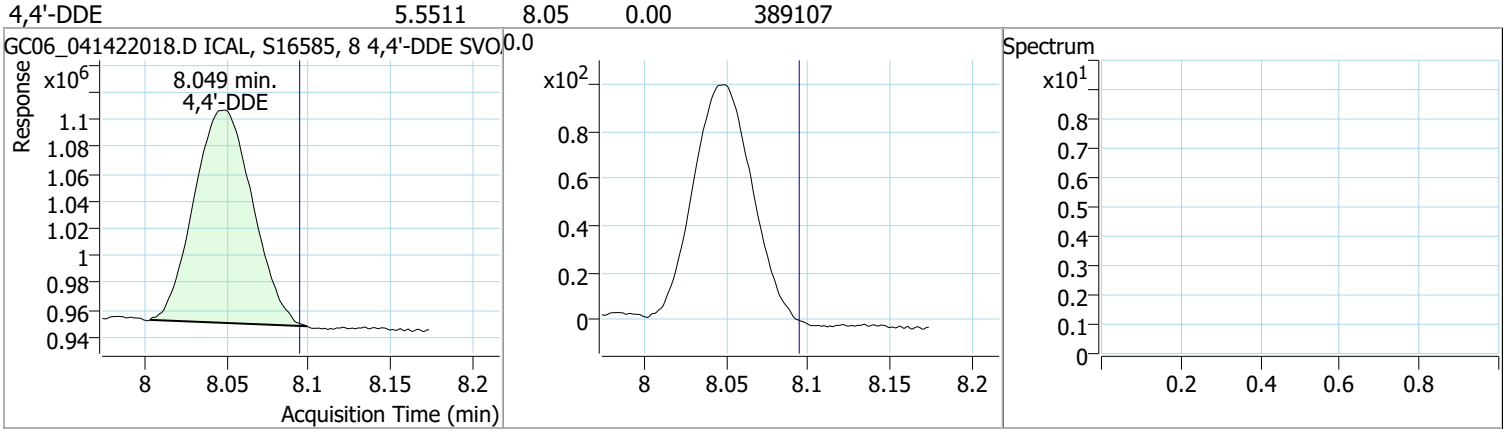
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	5.7458	7.83	-0.03	1822297			



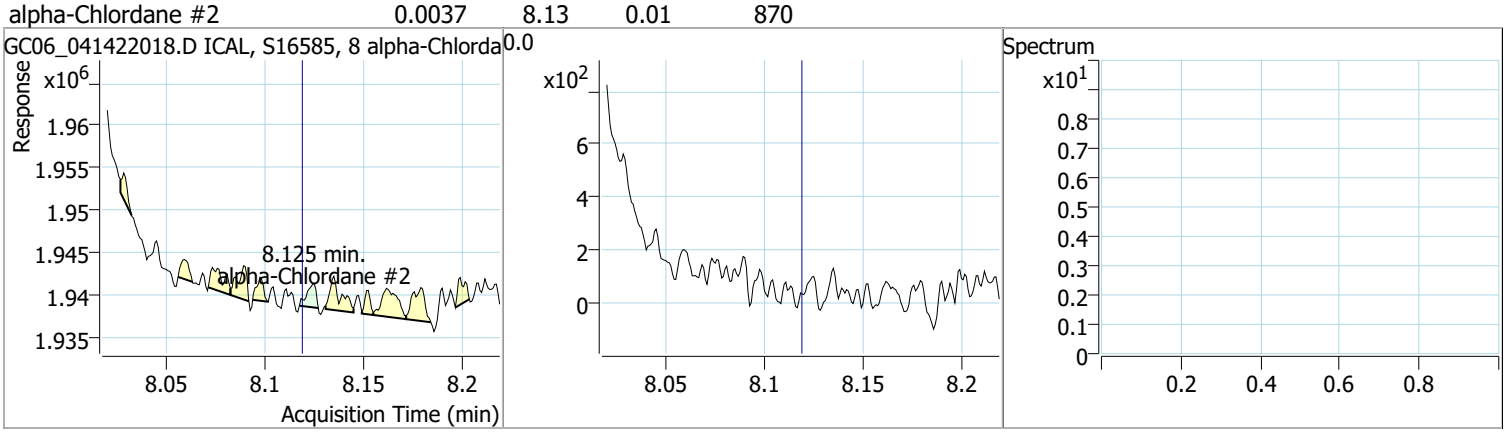
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	3.6303	8.05	0.12	258648			



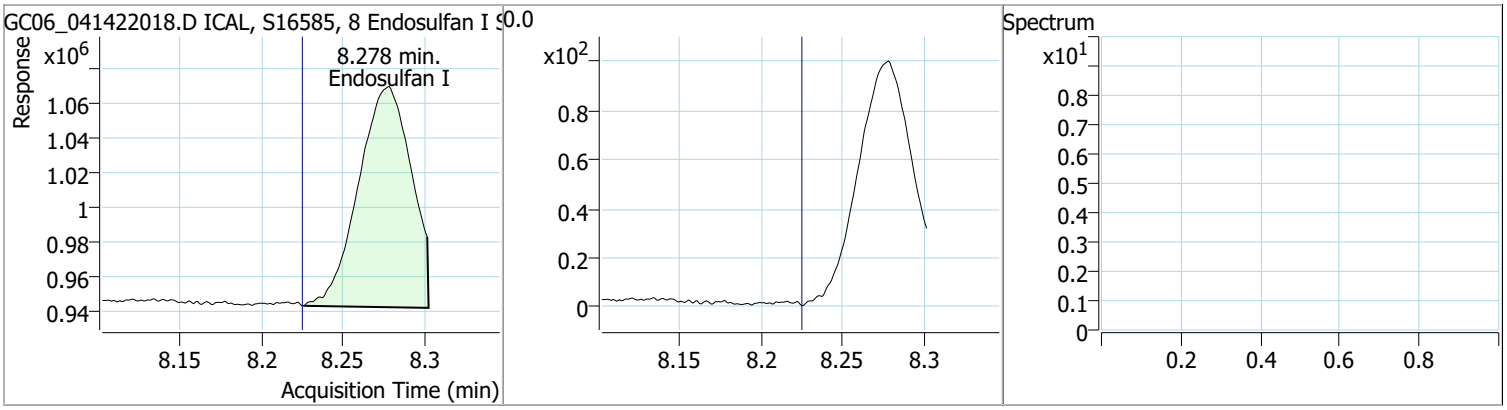
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	5.5511	8.05	0.00	389107			



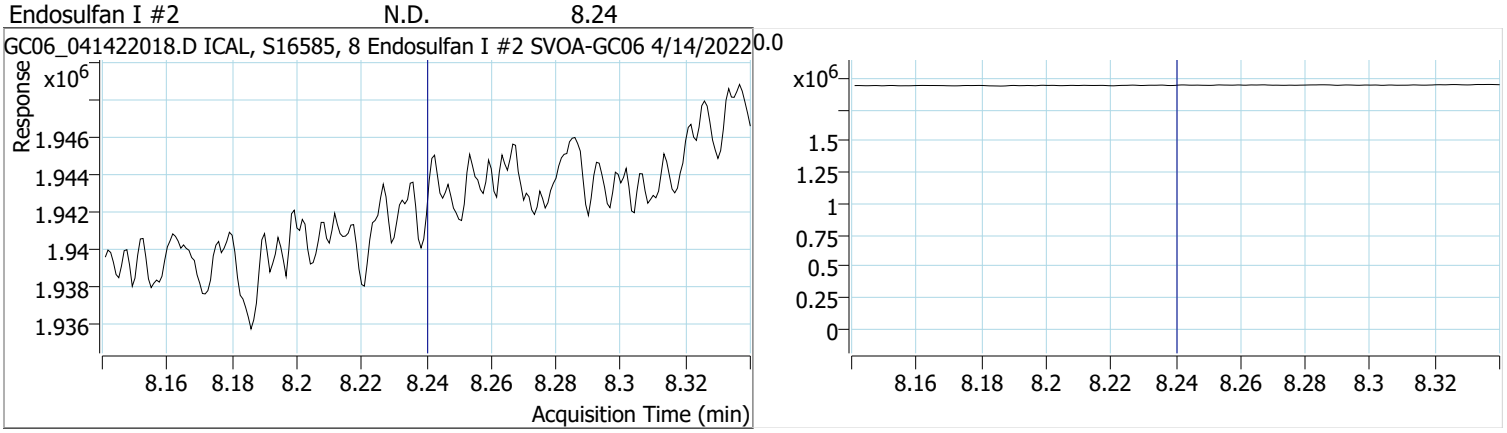
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane #2	0.0037	8.13	0.01	870			



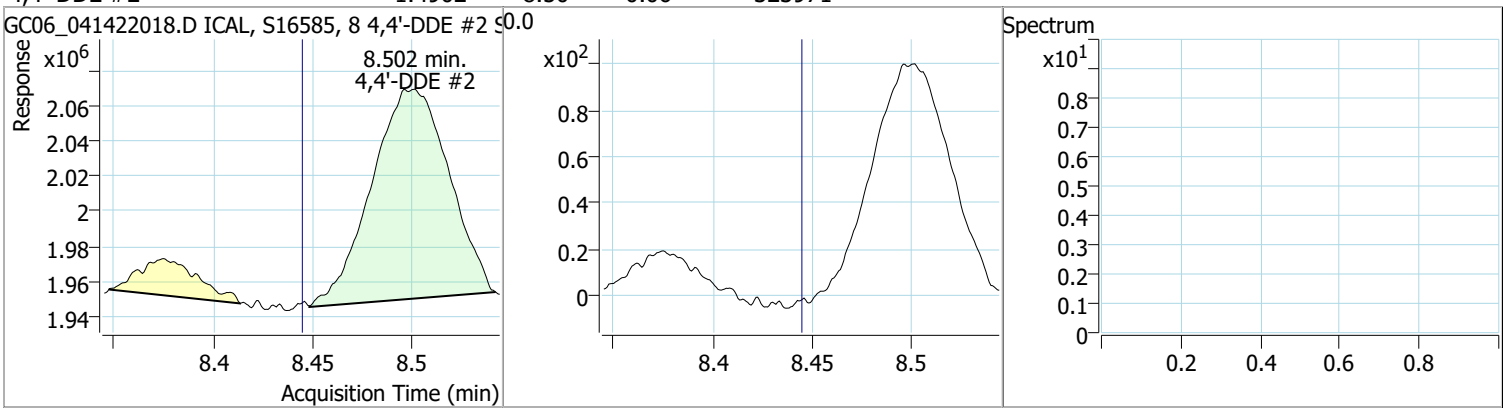
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	4.2544	8.28	0.10	285063			



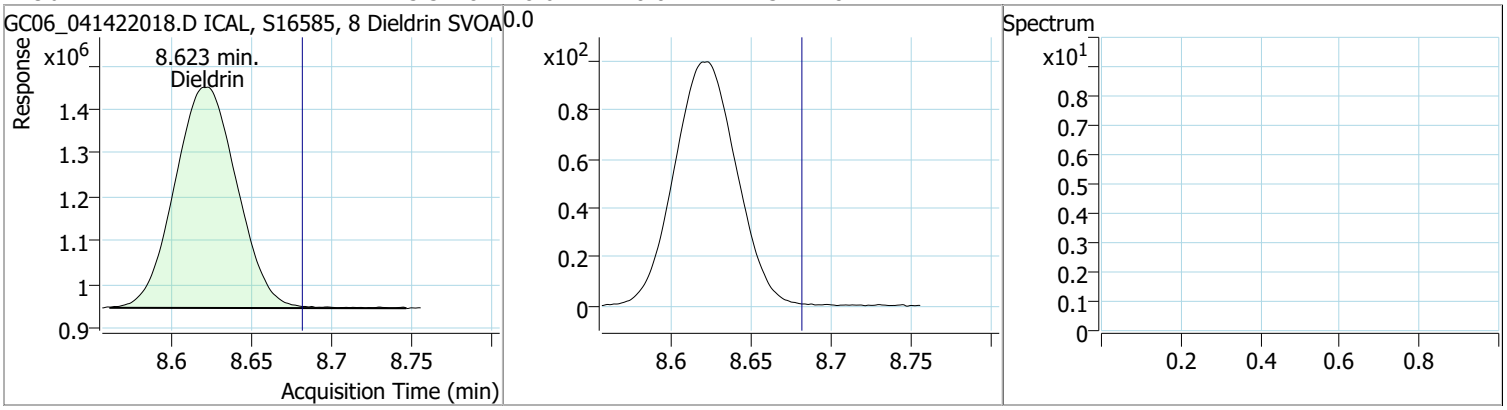
Compound	Conc.		Exp Ratio
Endosulfan I #2	N.D.	8.24	



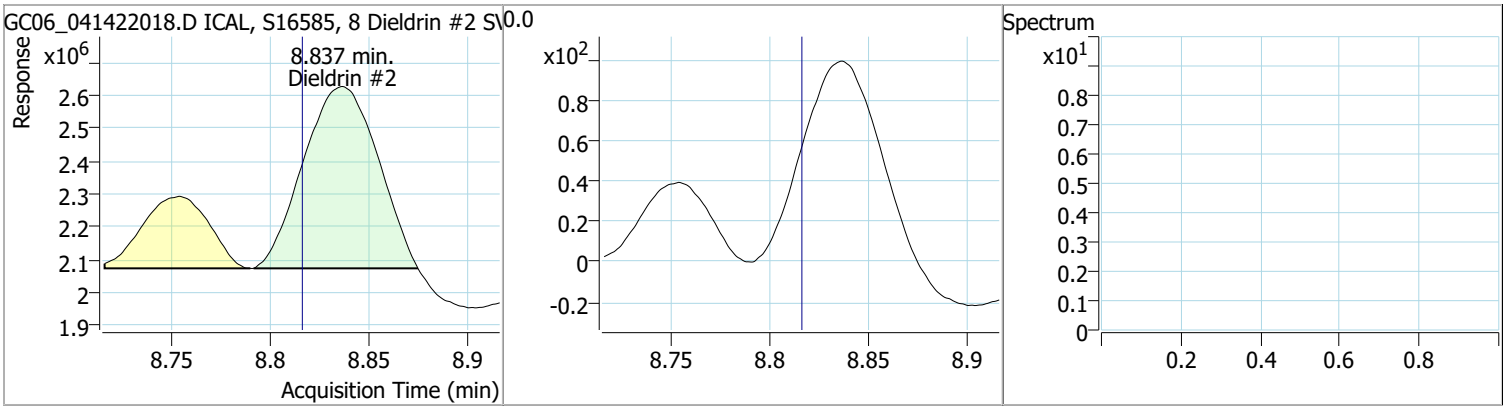
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	1.4902	8.50	0.06	323971			



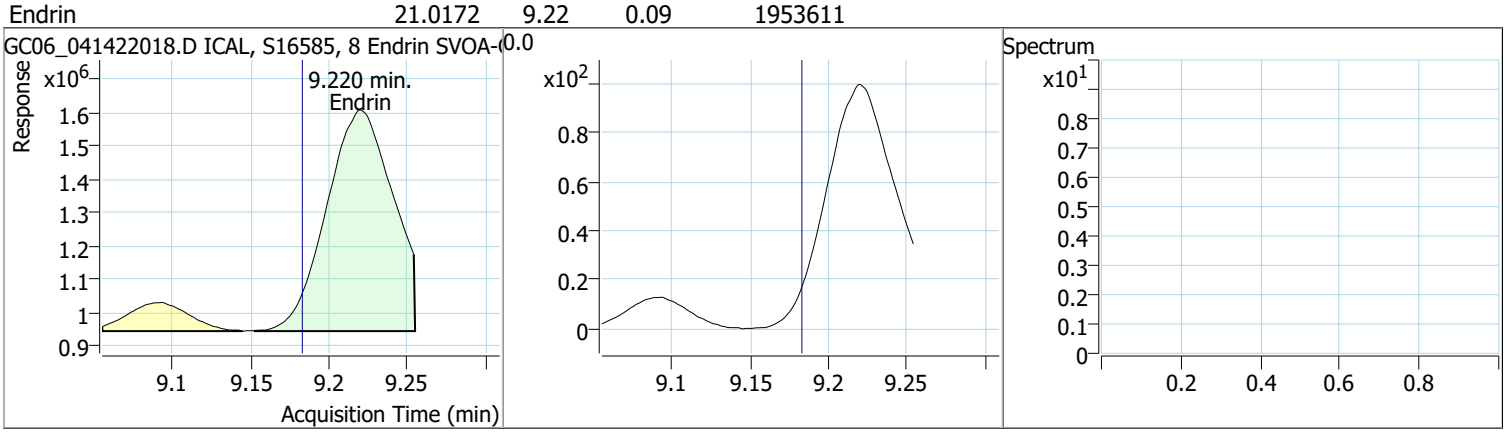
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin	15.3278	8.62	-0.01	1377278			



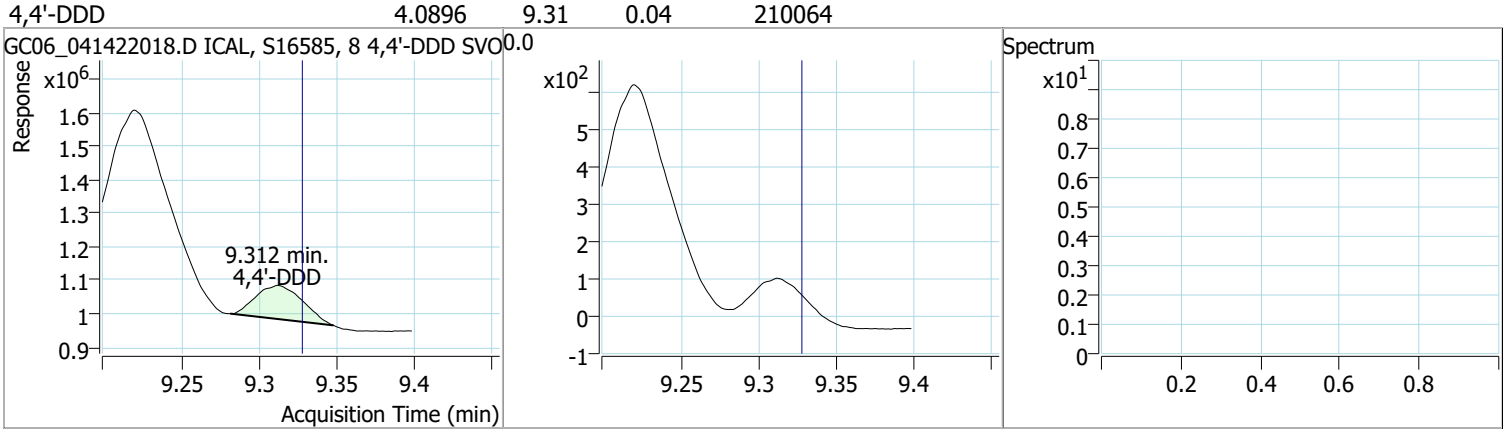
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	5.5858	8.84	0.02	1442884			



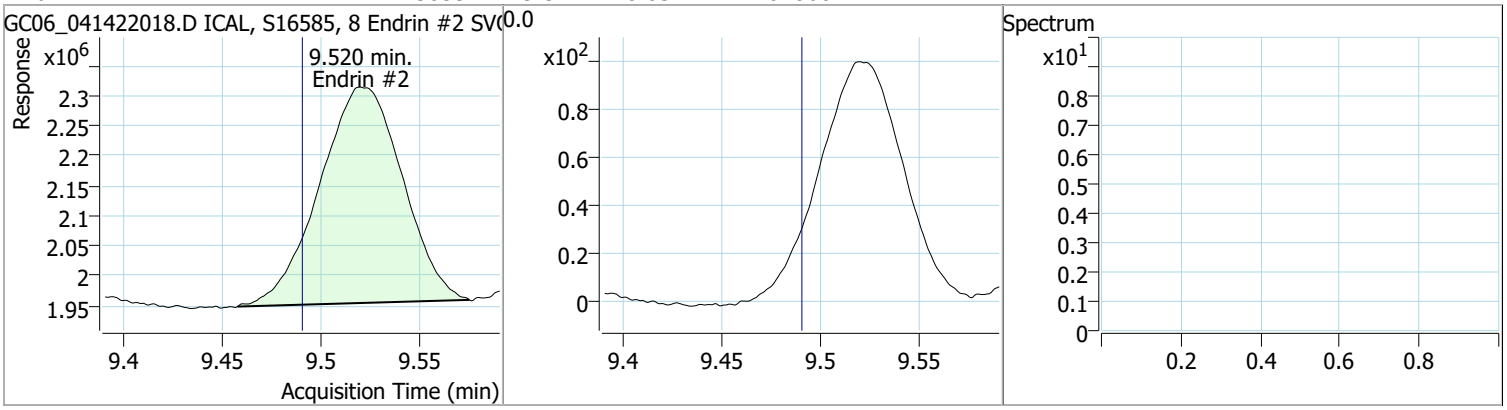
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin	21.0172	9.22	0.09	1953611			



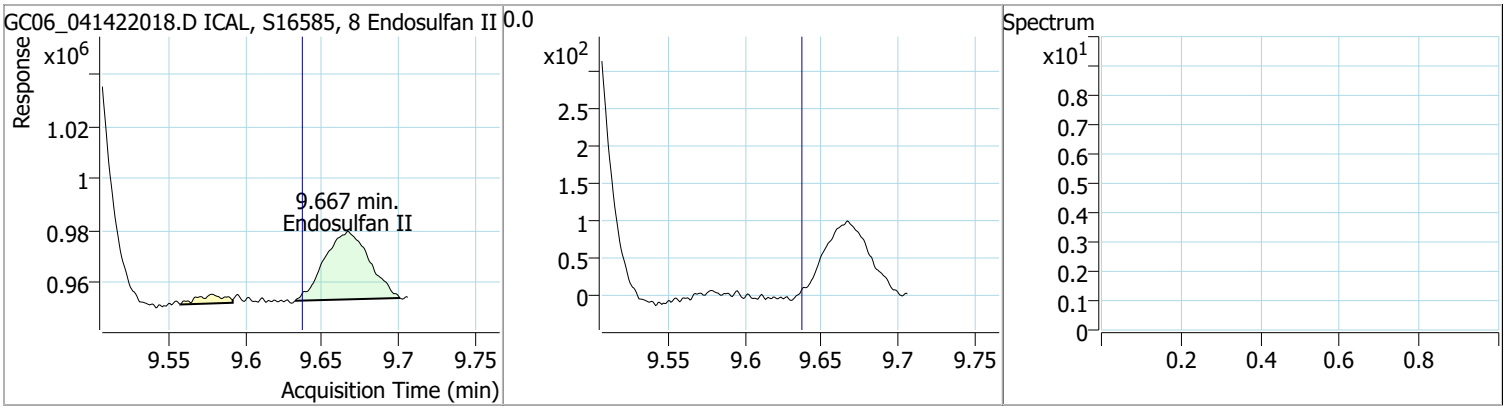
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	4.0896	9.31	0.04	210064			



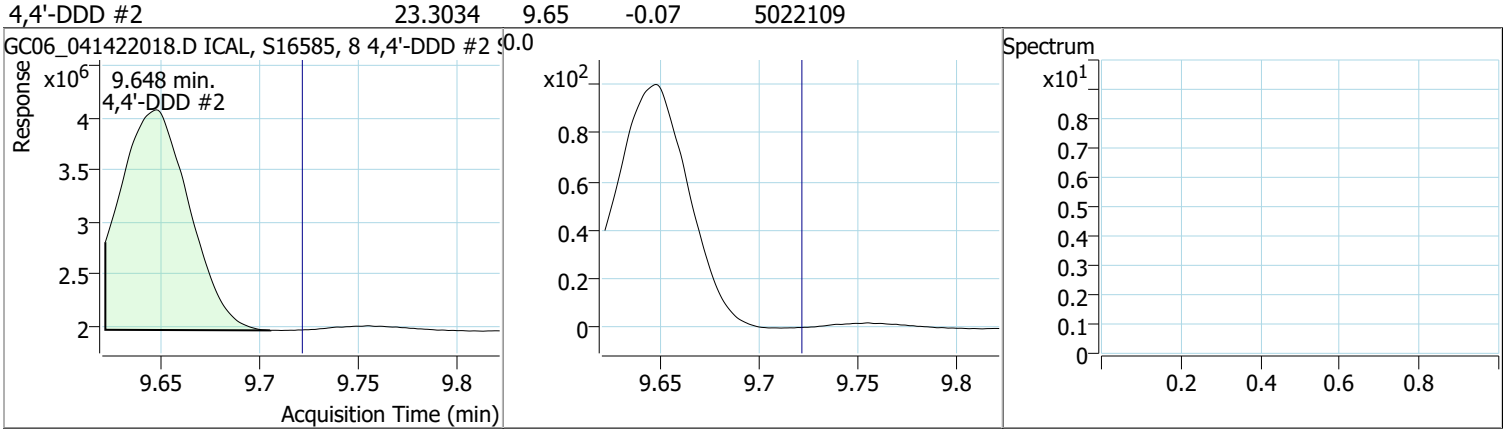
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin #2	4.5855	9.52	0.03	1048602			



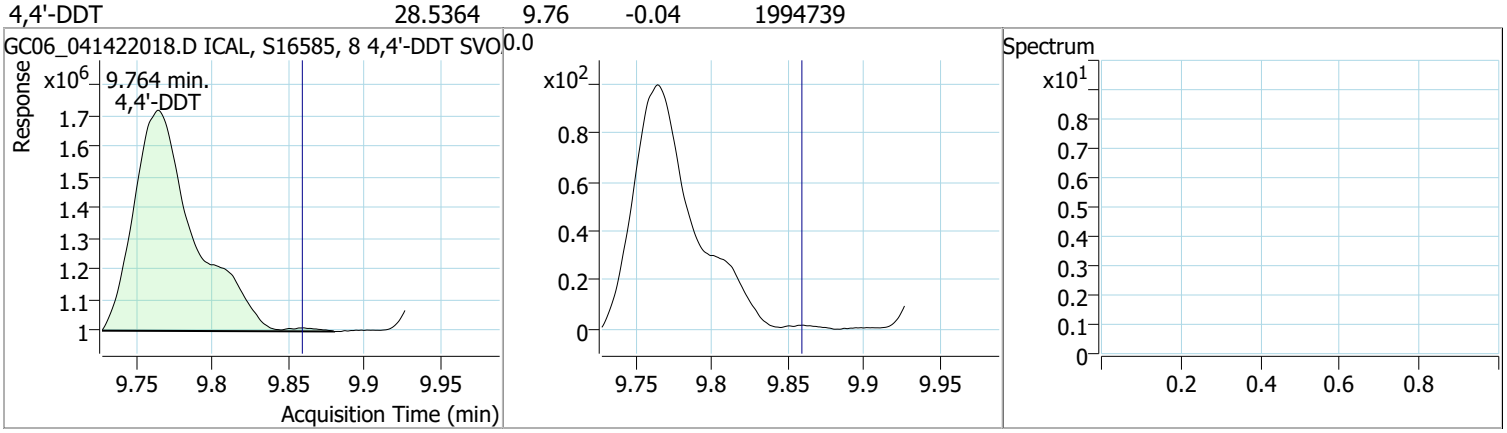
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II	0.7928	9.67	0.08	53210			



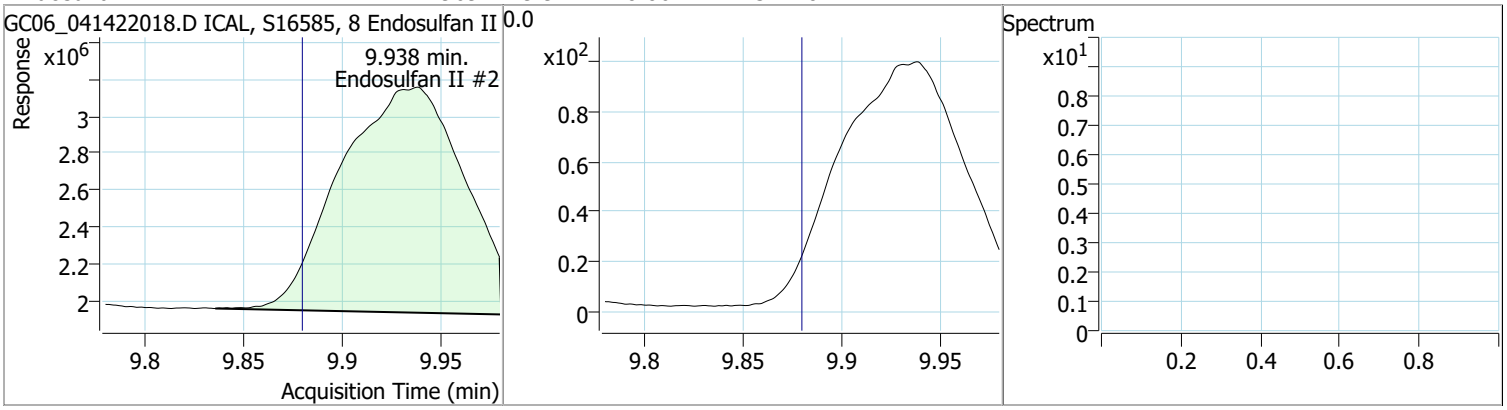
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	23.3034	9.65	-0.07	5022109			



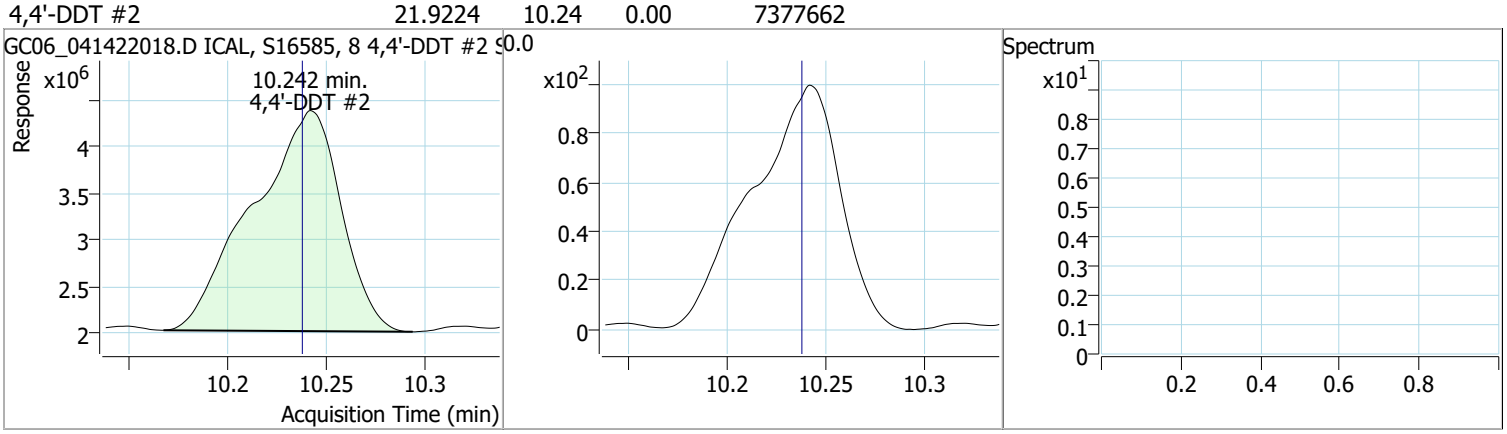
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	28.5364	9.76	-0.04	1994739			



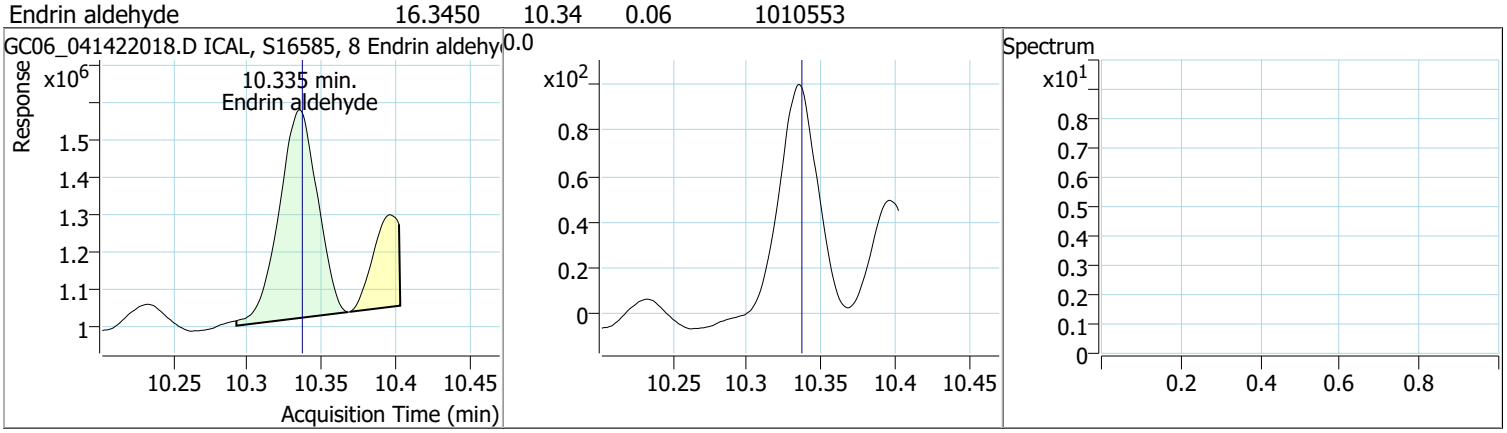
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	17.2969	9.94	0.06	5247074			



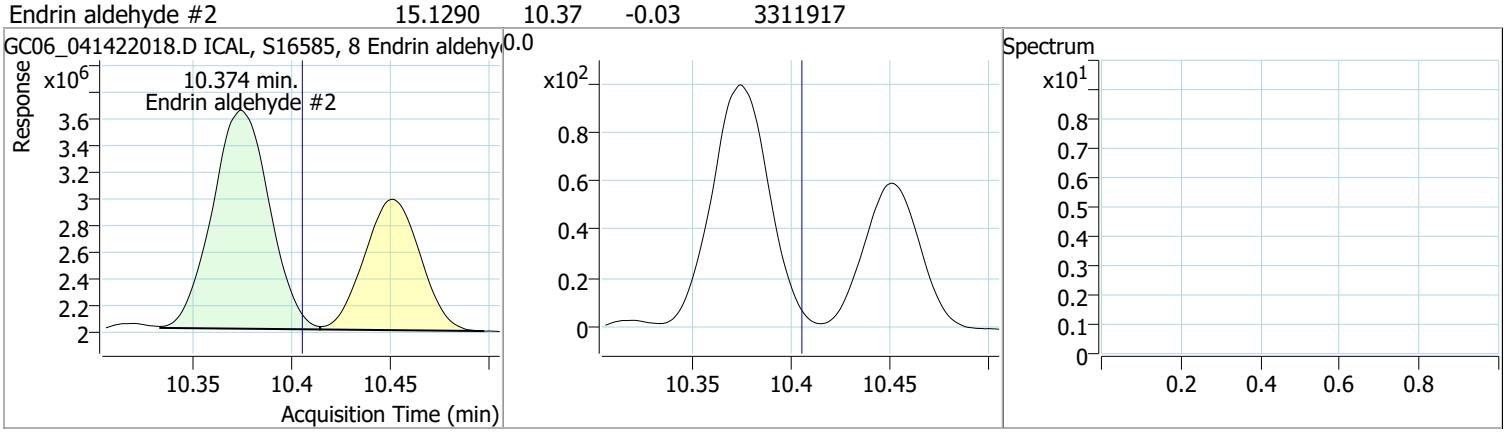
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	21.9224	10.24	0.00	7377662			



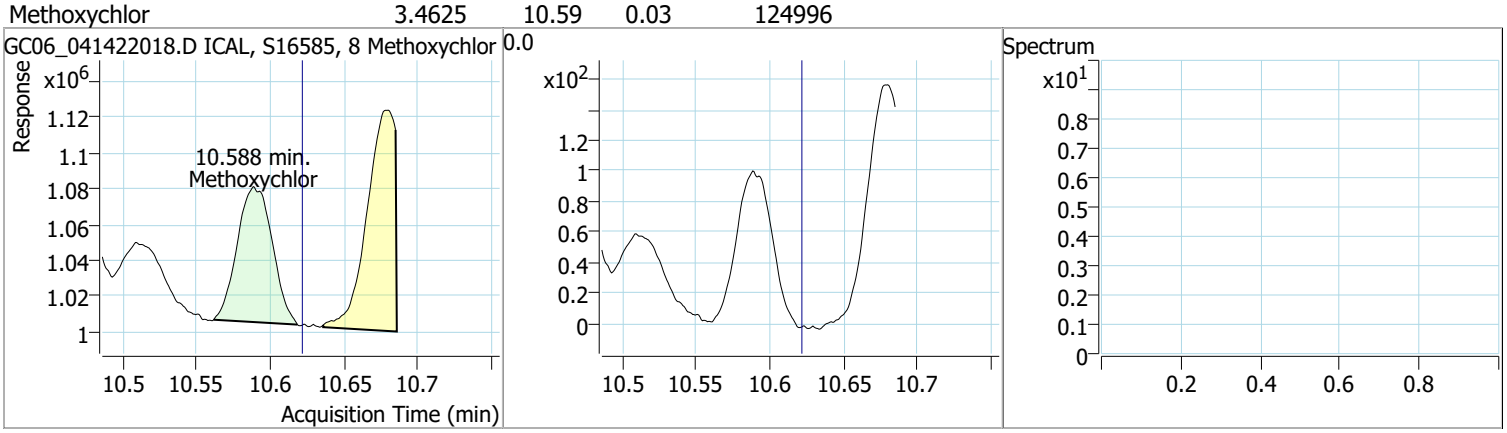
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	16.3450	10.34	0.06	1010553			



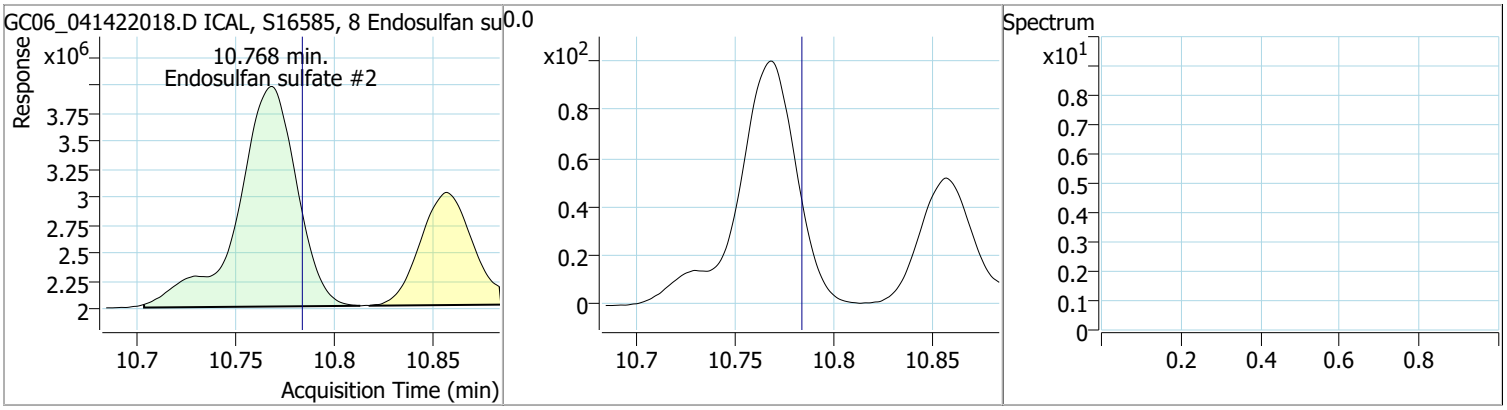
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	15.1290	10.37	-0.03	3311917			



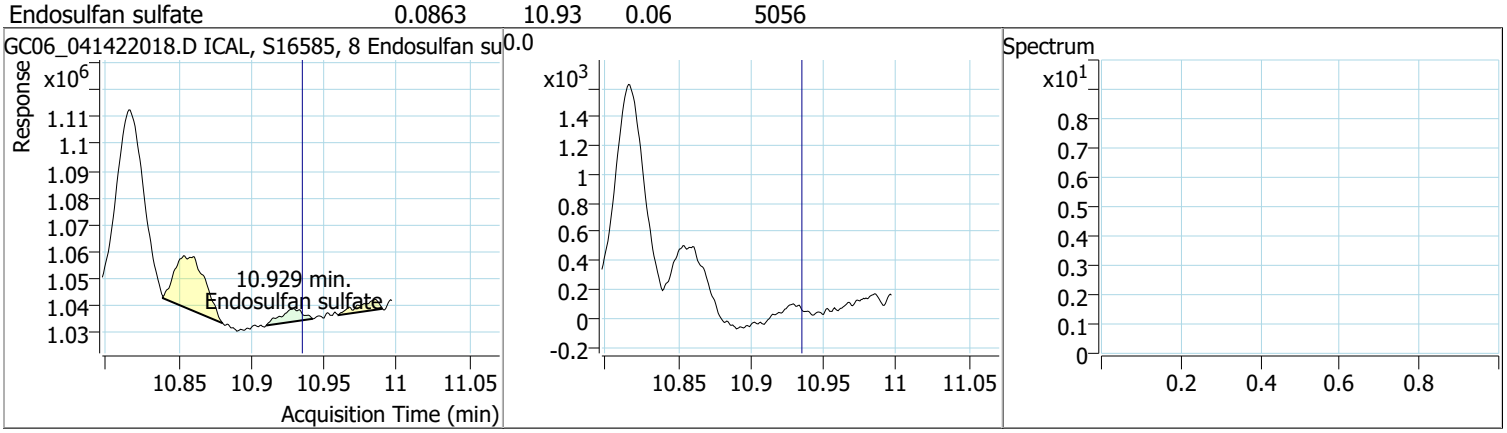
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	3.4625	10.59	0.03	124996			



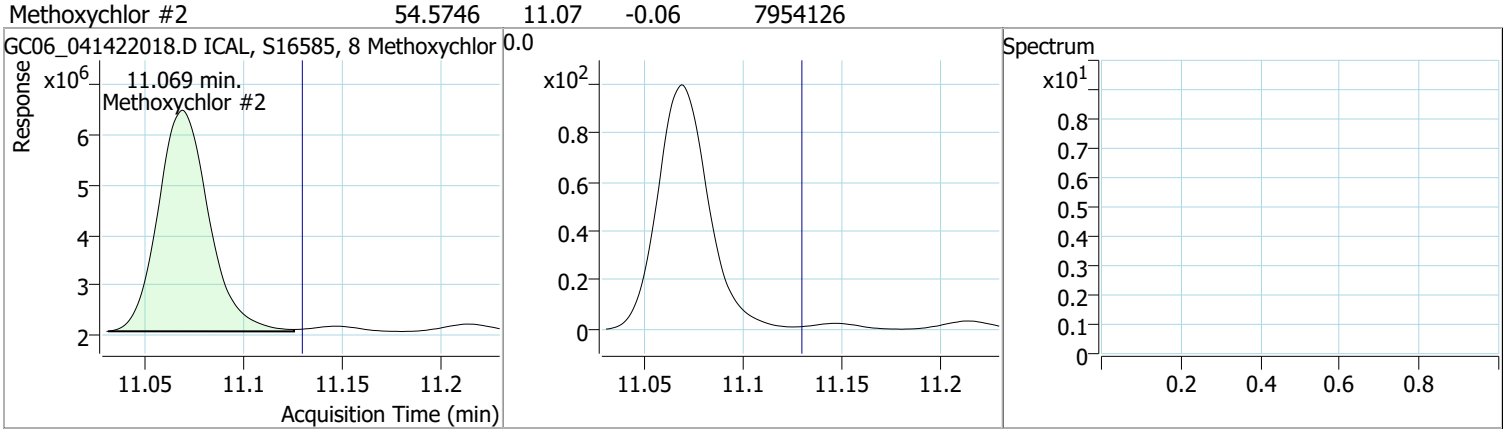
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	16.2109	10.77	-0.02	4111671			



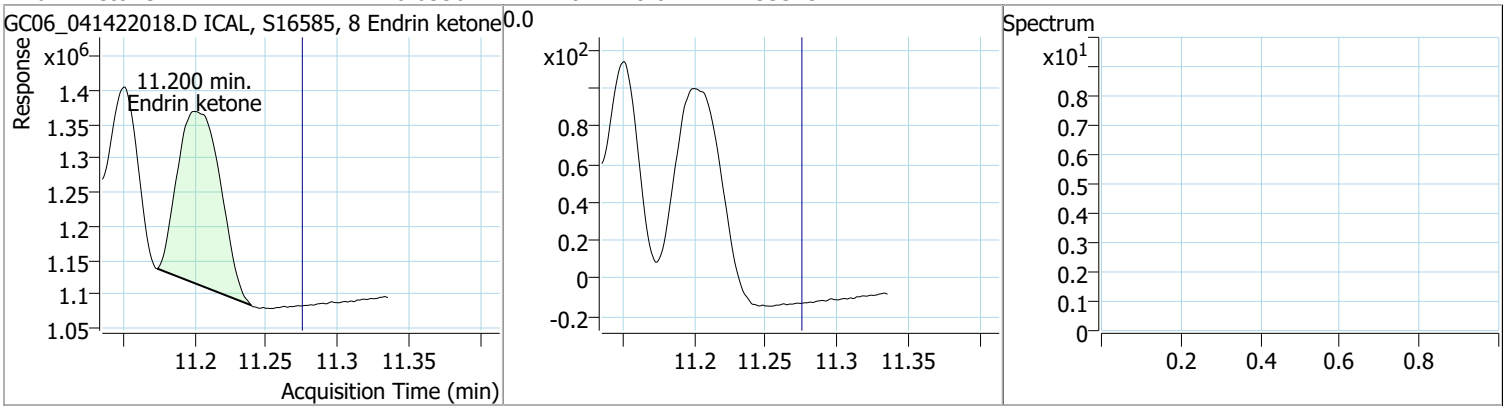
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	0.0863	10.93	0.06	5056			



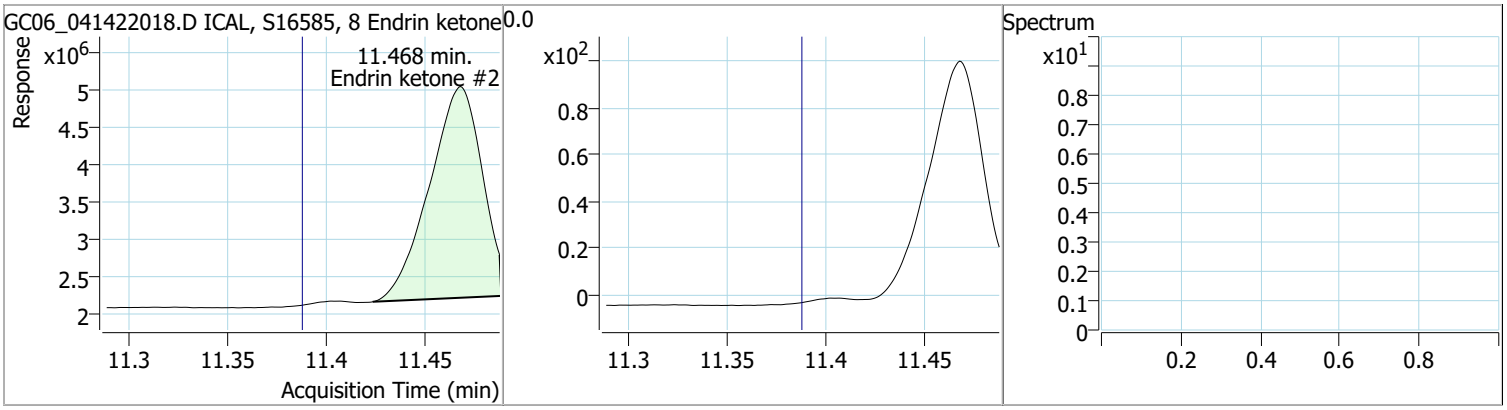
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	54.5746	11.07	-0.06	7954126			



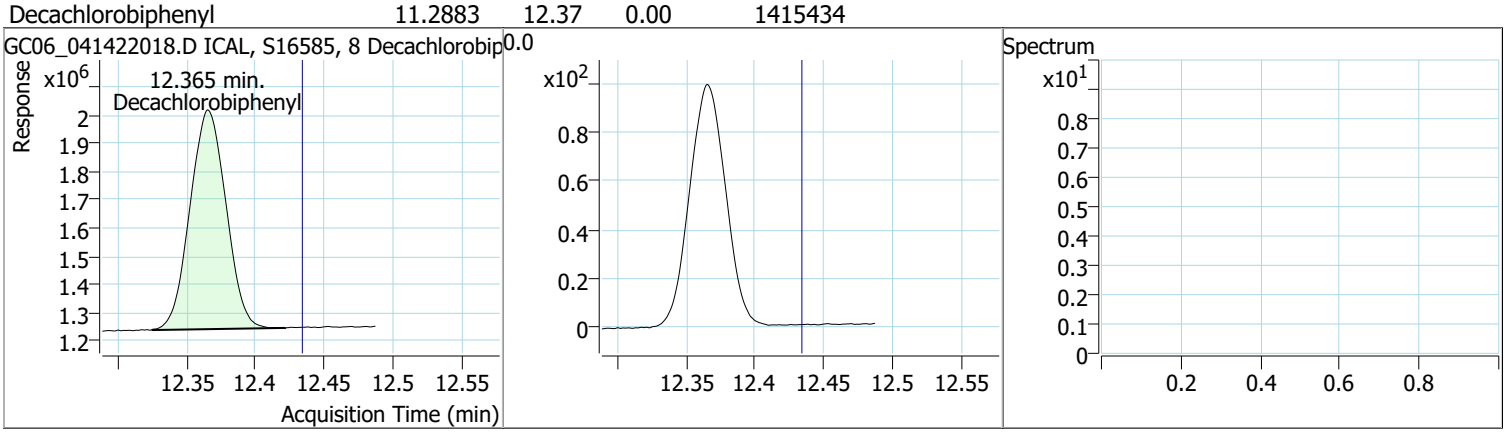
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	6.6536	11.20	-0.01	533254			



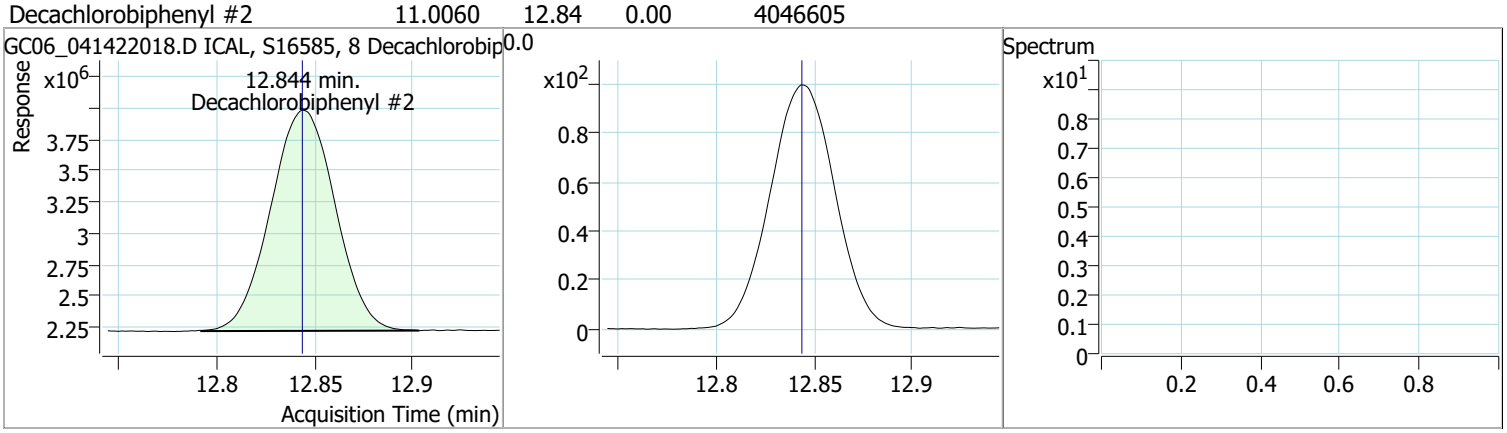
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	15.9229	11.47	0.08	5227834			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	11.2883	12.37	0.00	1415434			

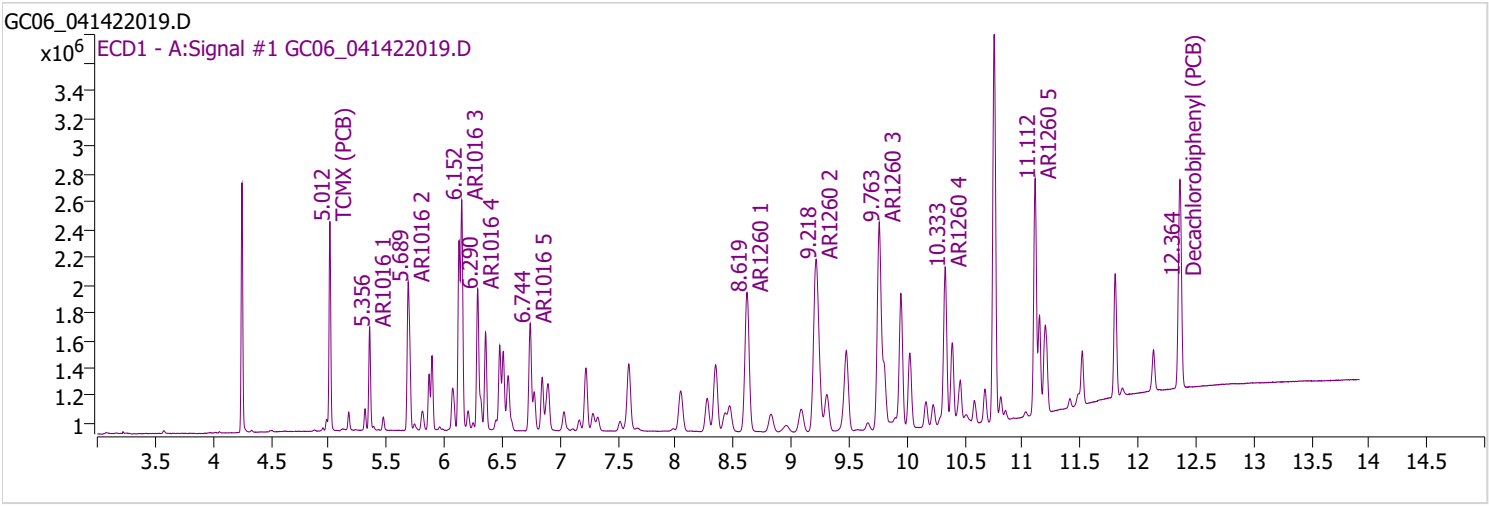


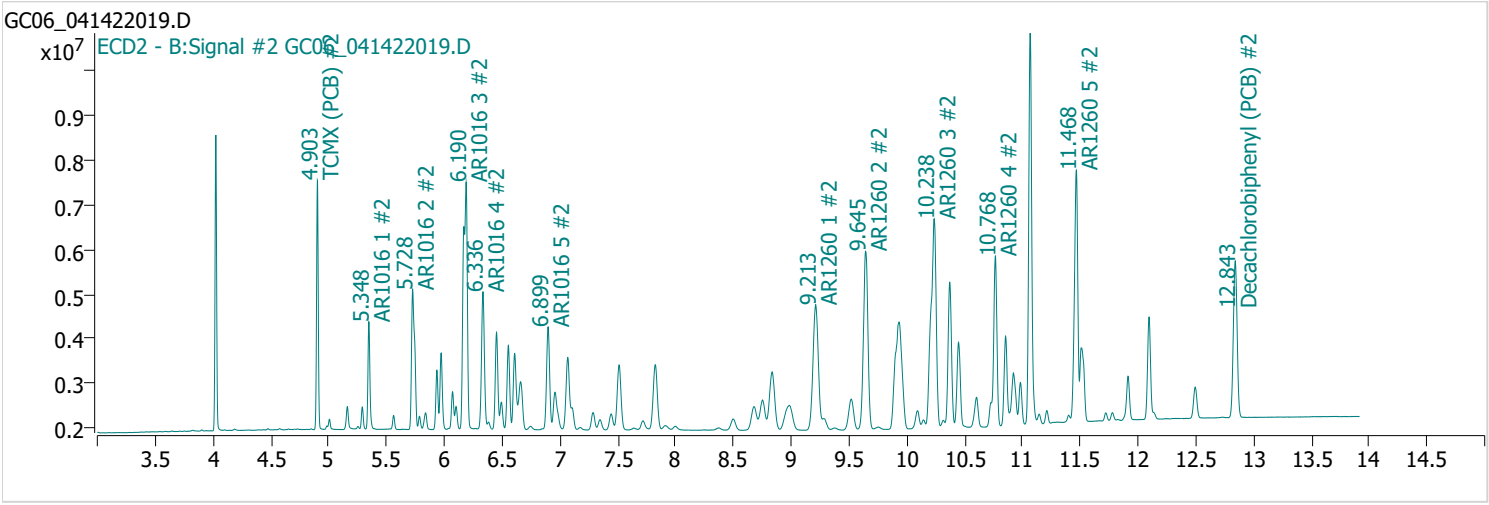
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	11.0060	12.84	0.00	4046605			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422019.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 7:51:33 PM
Sample Name	ICAL, S16585, 4	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 115	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



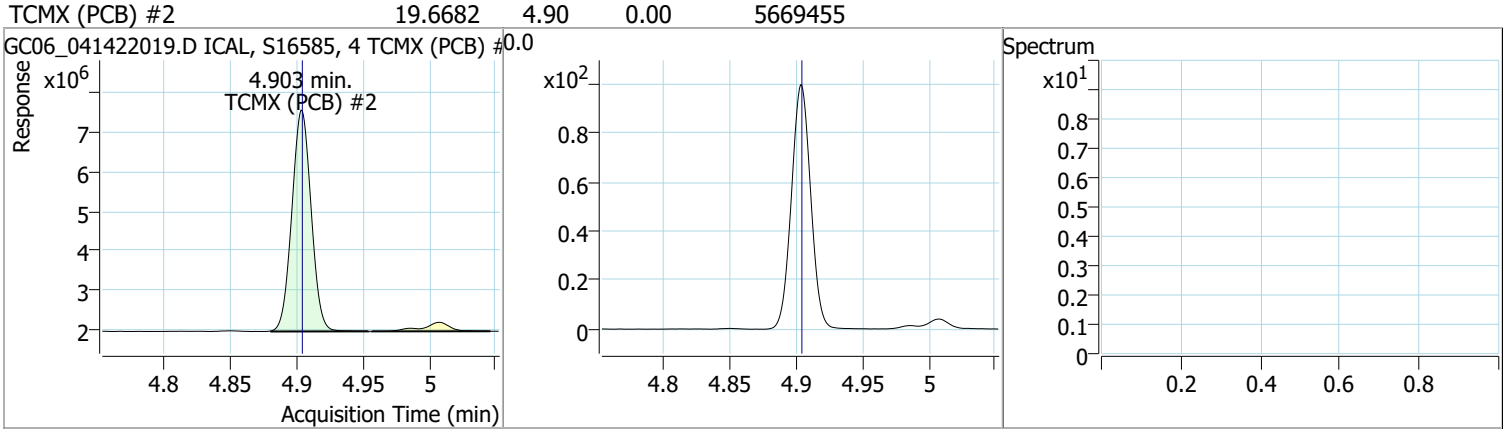


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.252	4.025	1751391	6293294	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.012	4.903	1579508	5669455	18.750	19.668	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	93.75%	98.34%	
S Decachlorobiphenyl (PCB)	12.364	12.843	2854774	8049404	21.438	21.197	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	107.19%	105.98%	
Target Compounds							
T AR1016 1	5.356	5.348	817856	2886563	477.394	489.790	ng/ml
T AR1016 2	5.689	5.728	1755526	6043942	470.625	494.172	ng/ml
T AR1016 3	6.152	6.190	2166227	7959848 m	493.437	493.496	ng/ml
T AR1016 4	6.290	6.336	1608136	5357999	489.499	489.637	ng/ml
T AR1016 5	6.744	6.899	1233025	4246029	485.194	496.301	ng/ml
T AR1260 1	8.619	9.213	2643383	9095023 m	479.596	477.498	ng/ml
T AR1260 2	9.218	9.645	4080185	10571114 m	480.627	480.320	ng/ml
T AR1260 3	9.763	10.238	4246183 m	14462994	481.144	483.695	ng/ml
T AR1260 4	10.333	10.768	2144630	8020449	488.632	495.702	ng/ml

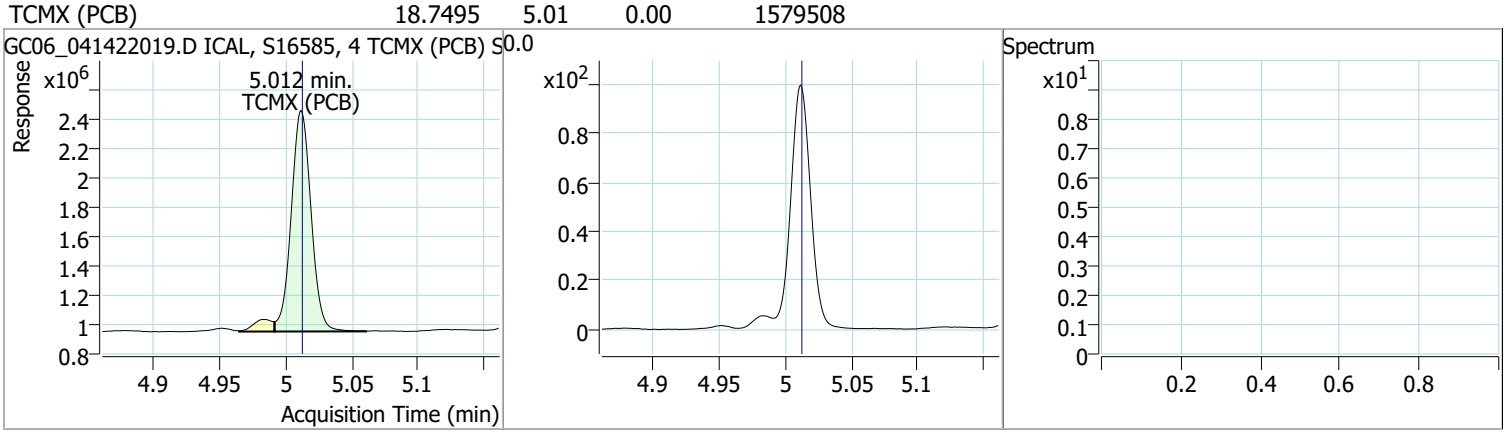
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.112	11.468	2847527	11472329	490.189	480.925	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

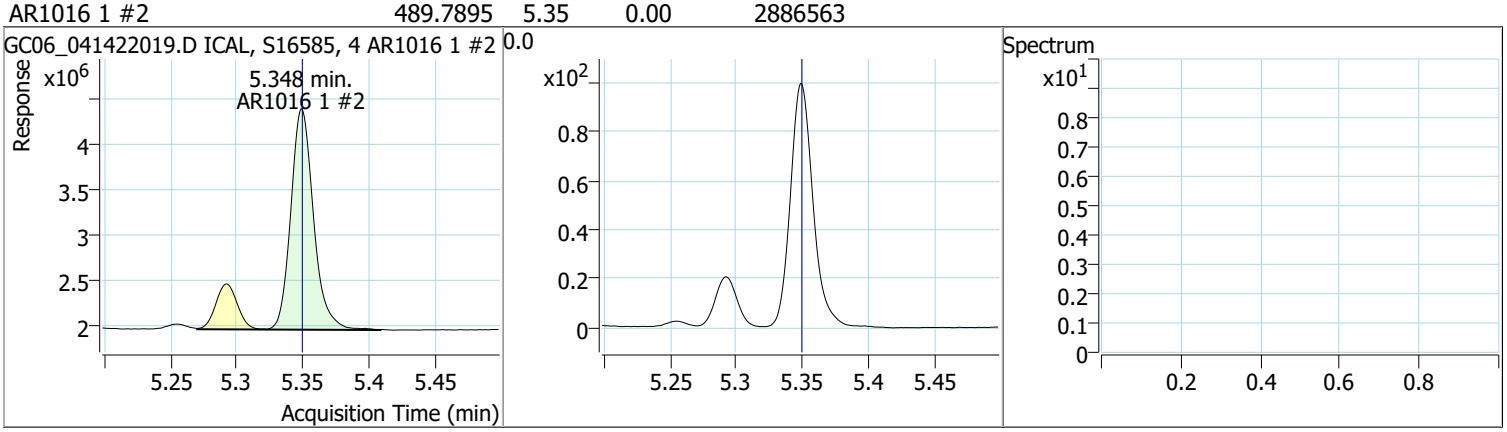
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	19.6682	4.90	0.00	5669455			



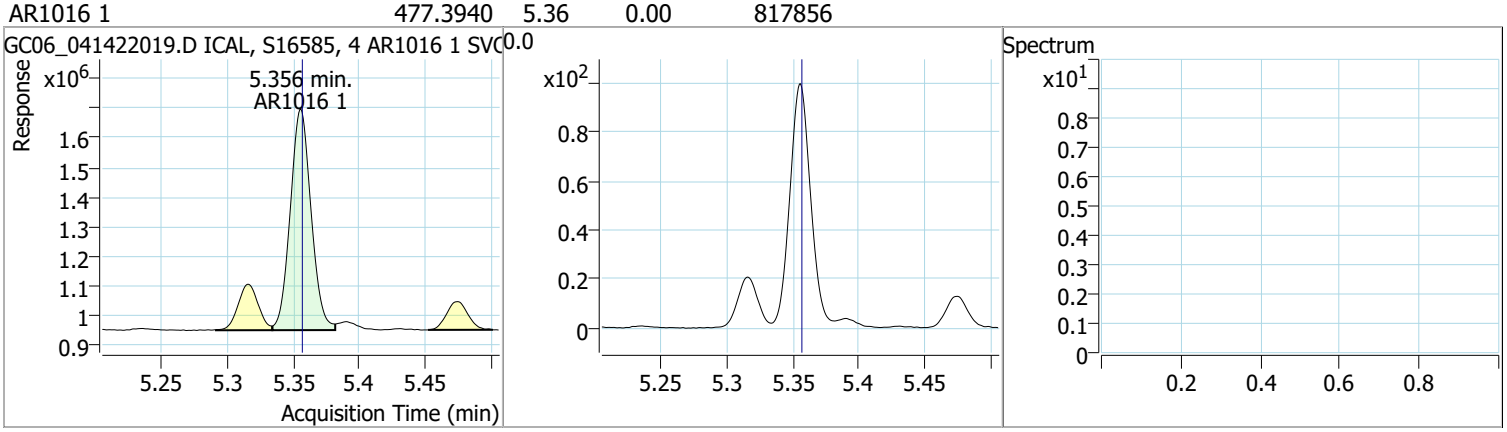
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	18.7495	5.01	0.00	1579508			



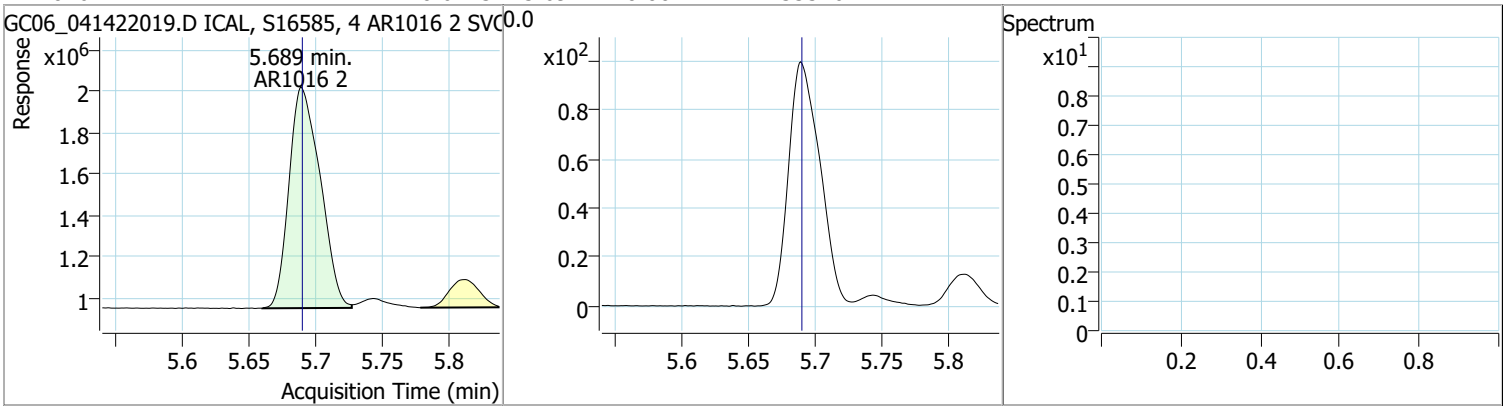
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	489.7895	5.35	0.00	2886563			



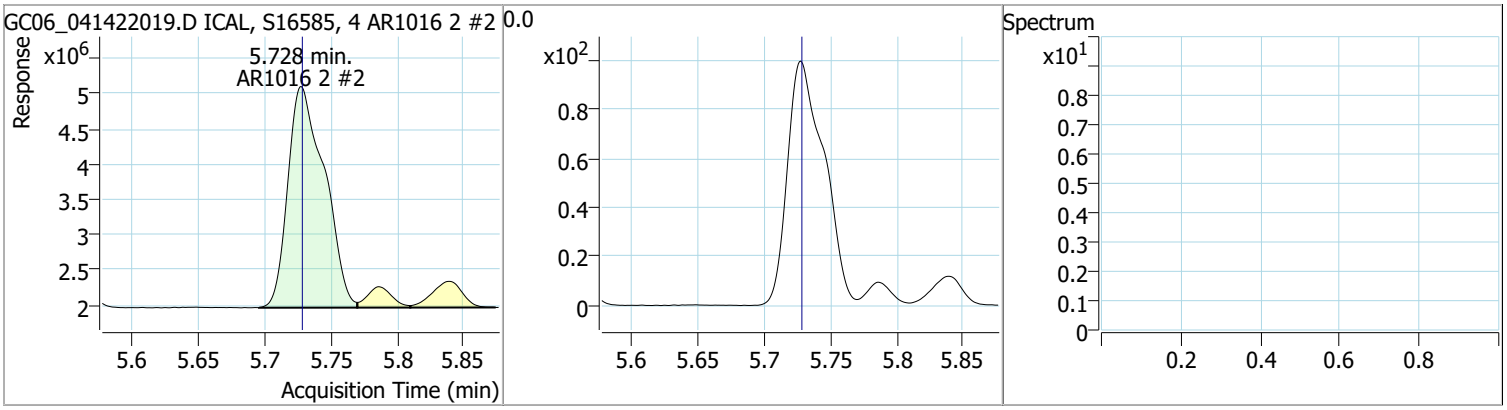
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	477.3940	5.36	0.00	817856			



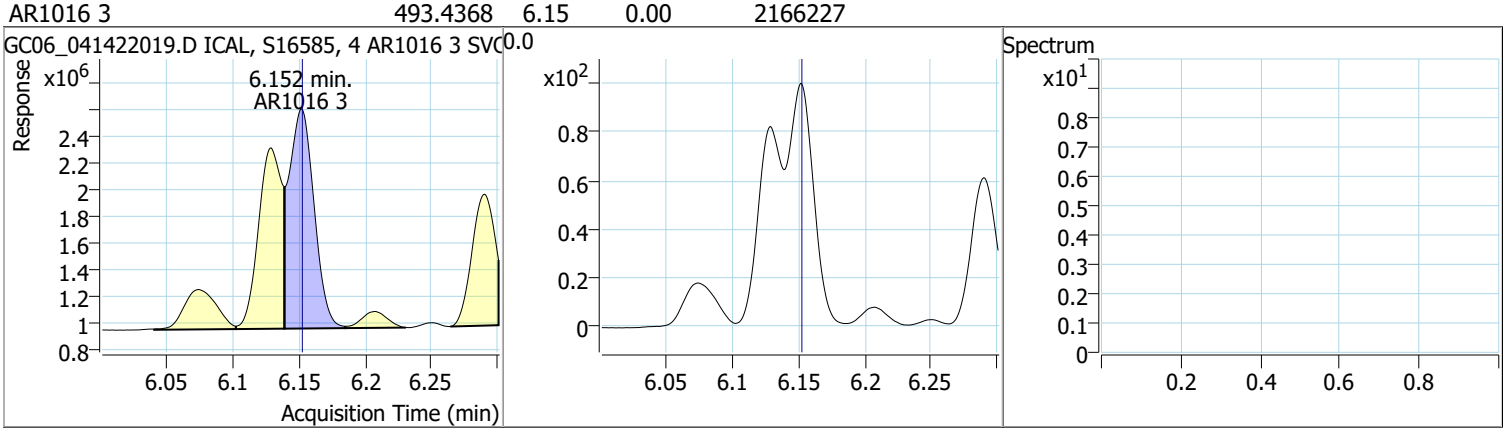
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	470.6245	5.69	0.00	1755526			



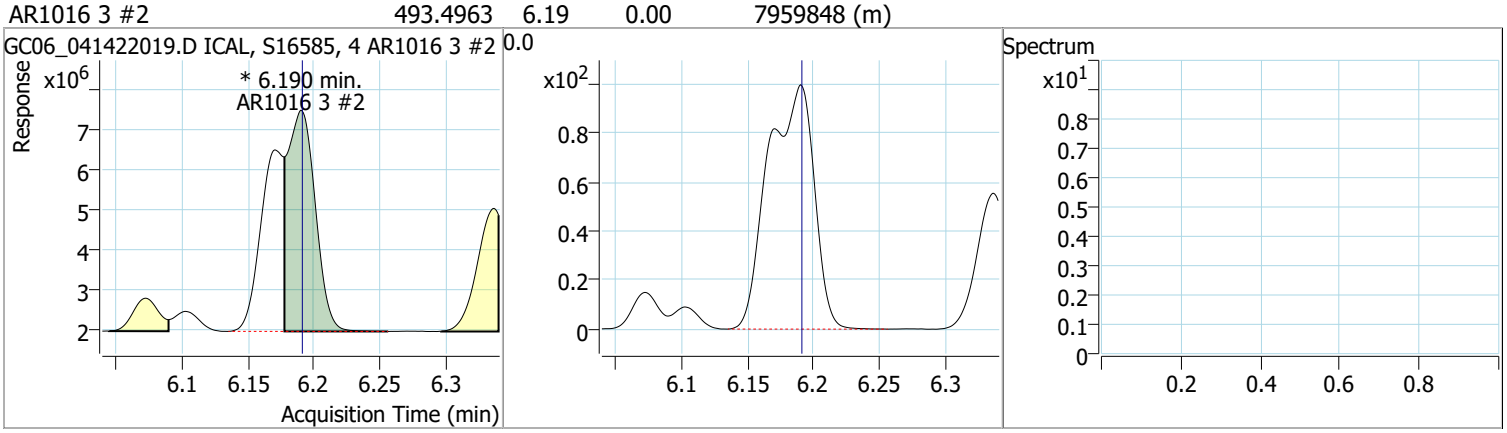
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	494.1724	5.73	0.00	6043942			



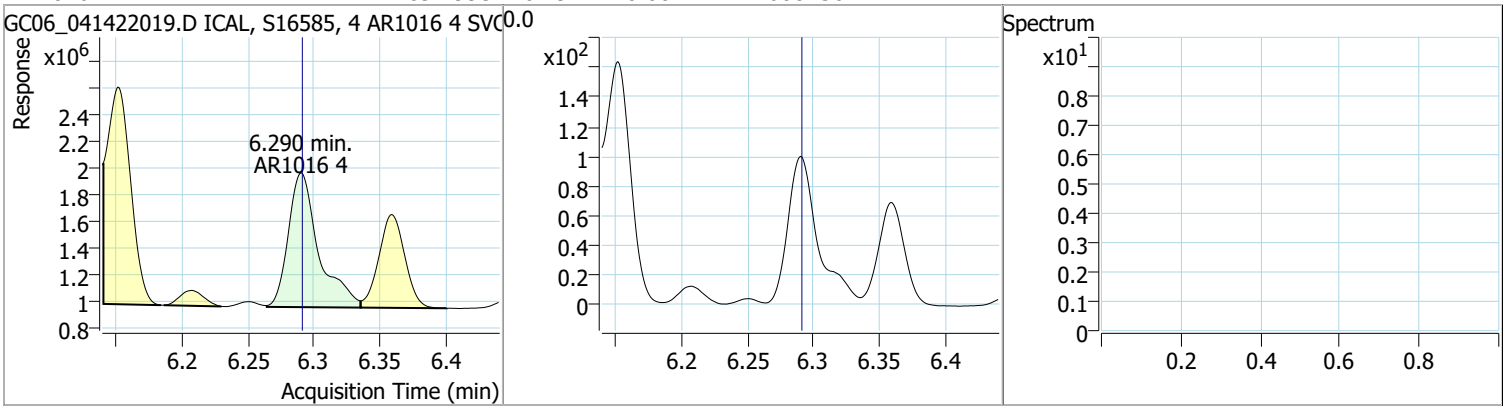
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	493.4368	6.15	0.00	2166227			



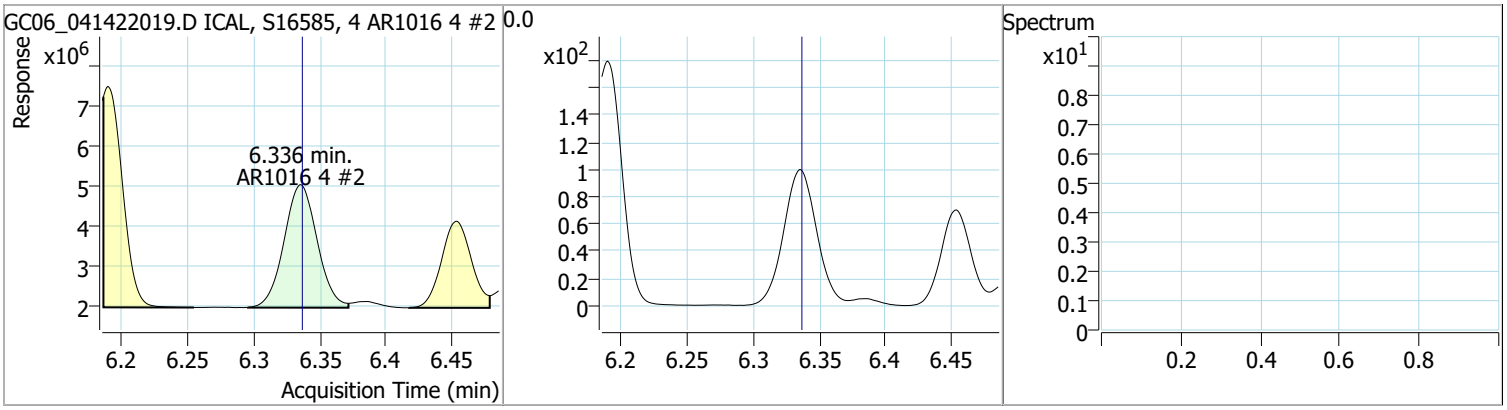
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	493.4963	6.19	0.00	7959848 (m)			



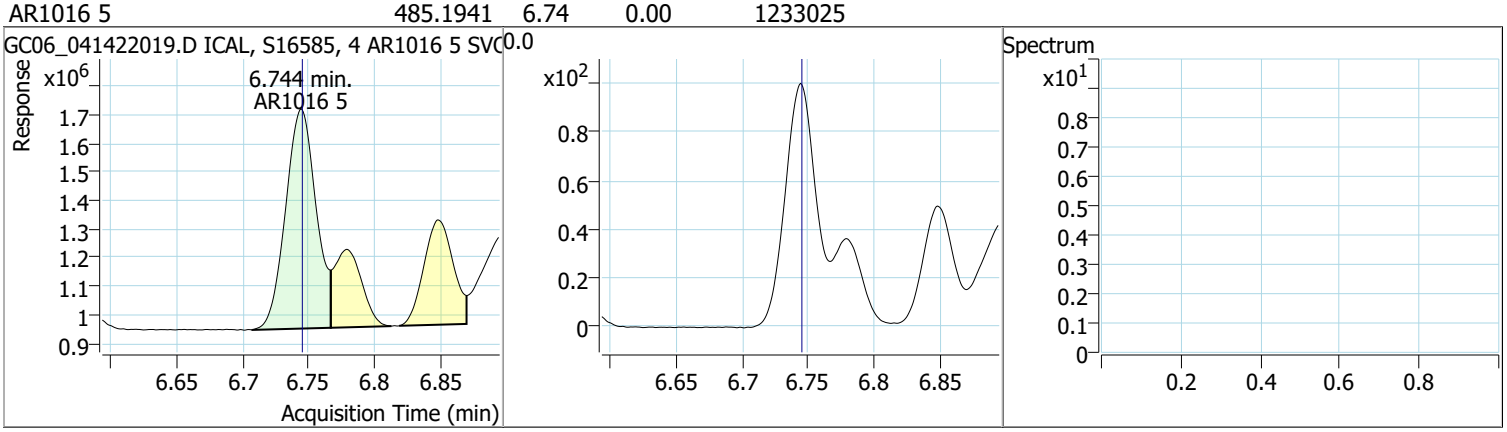
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	489.4993	6.29	0.00	1608136			



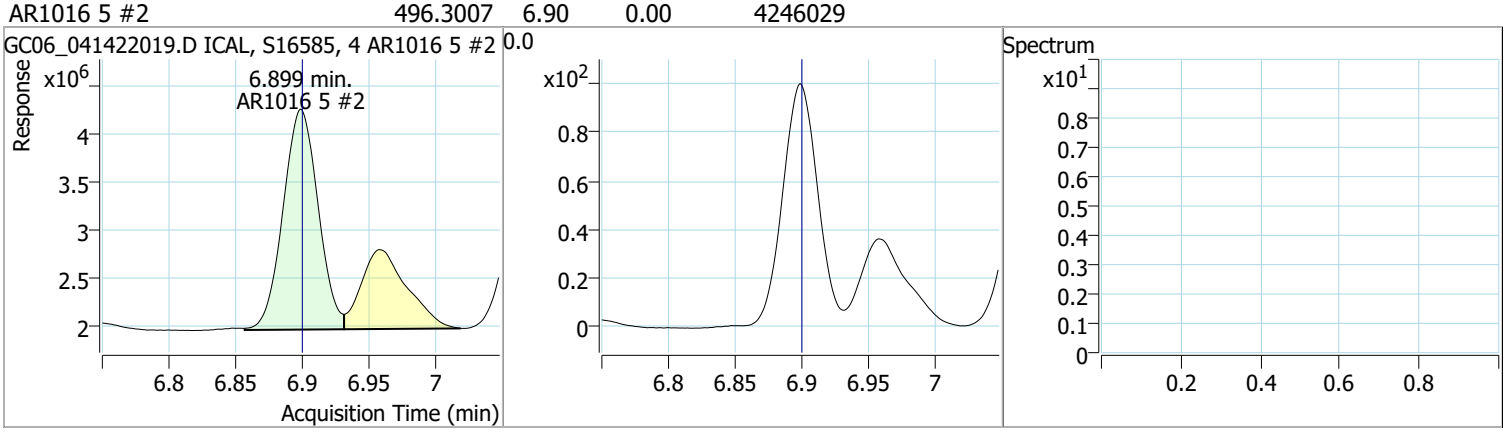
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	489.6367	6.34	0.00	5357999			



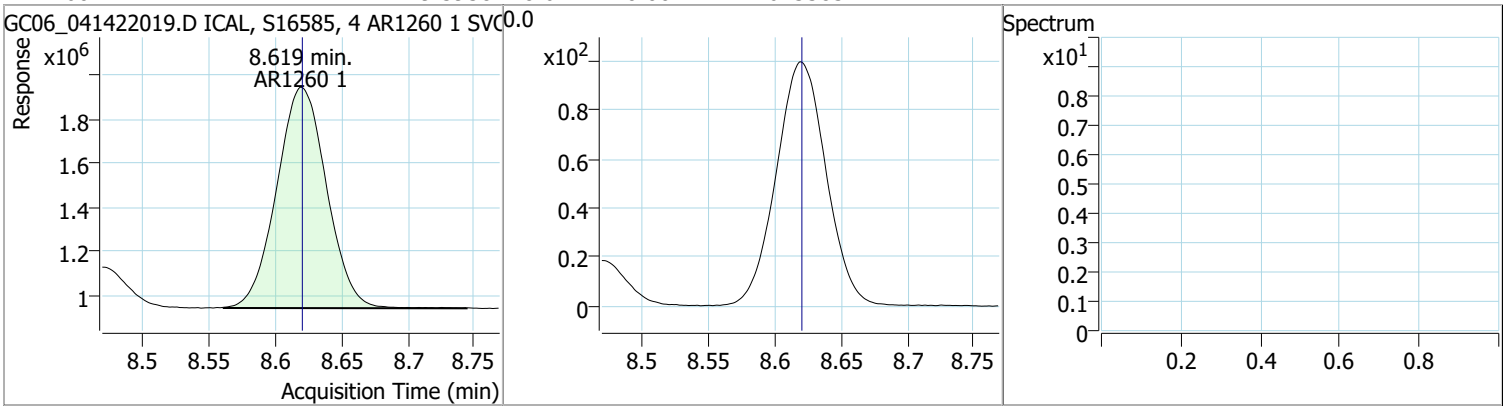
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	485.1941	6.74	0.00	1233025			



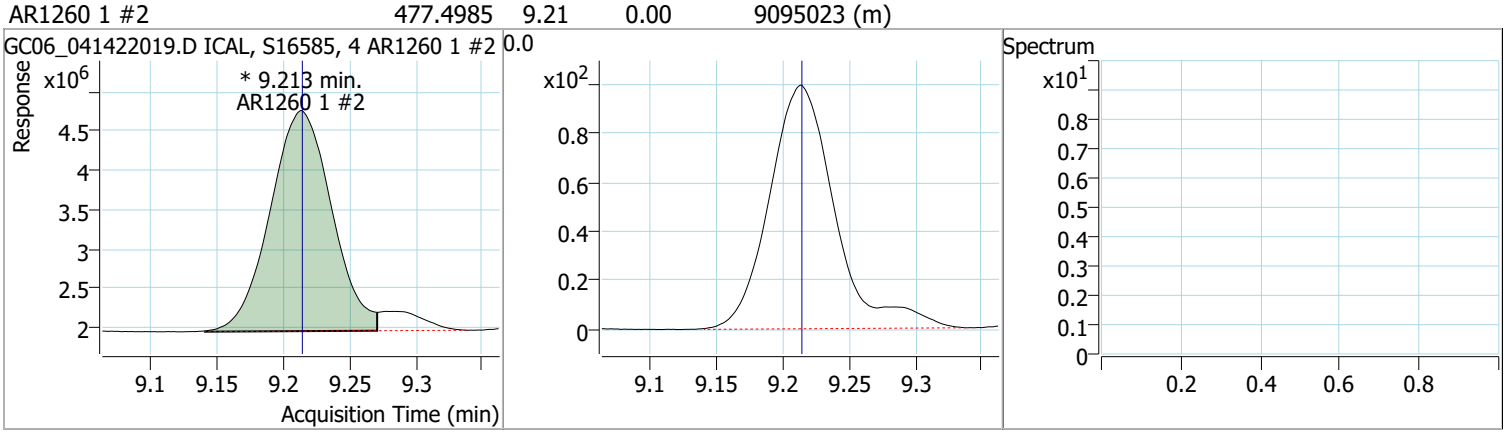
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	496.3007	6.90	0.00	4246029			



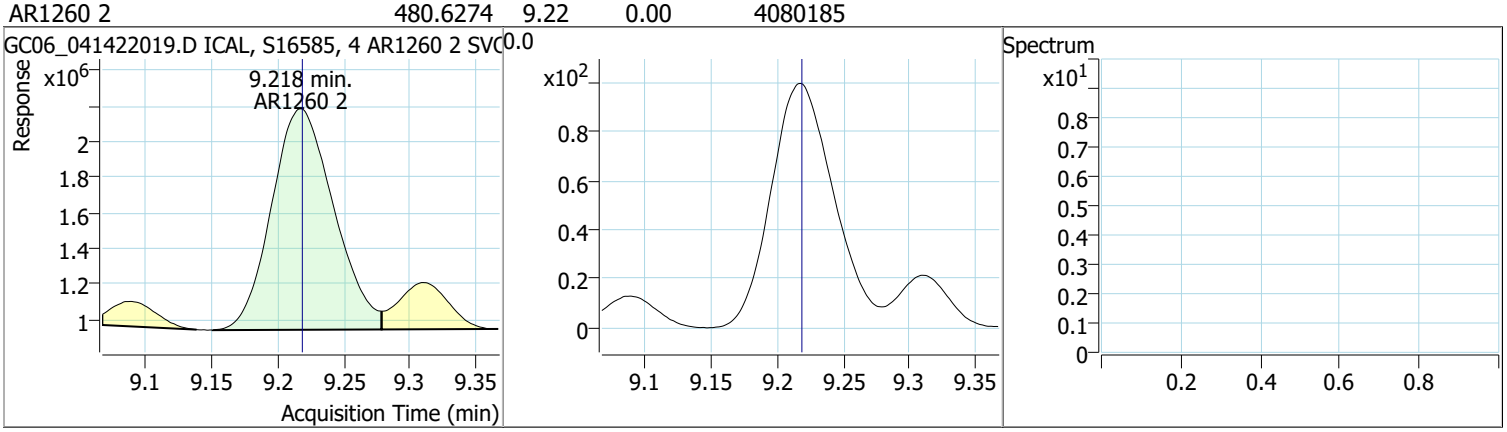
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	479.5958	8.62	0.00	2643383			



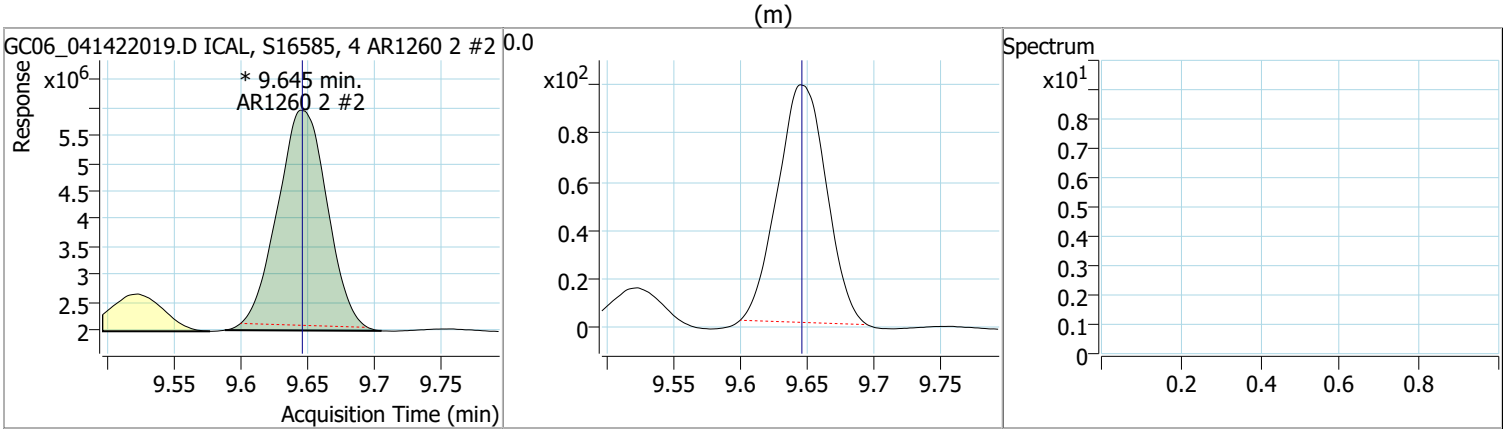
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	477.4985	9.21	0.00	9095023 (m)			



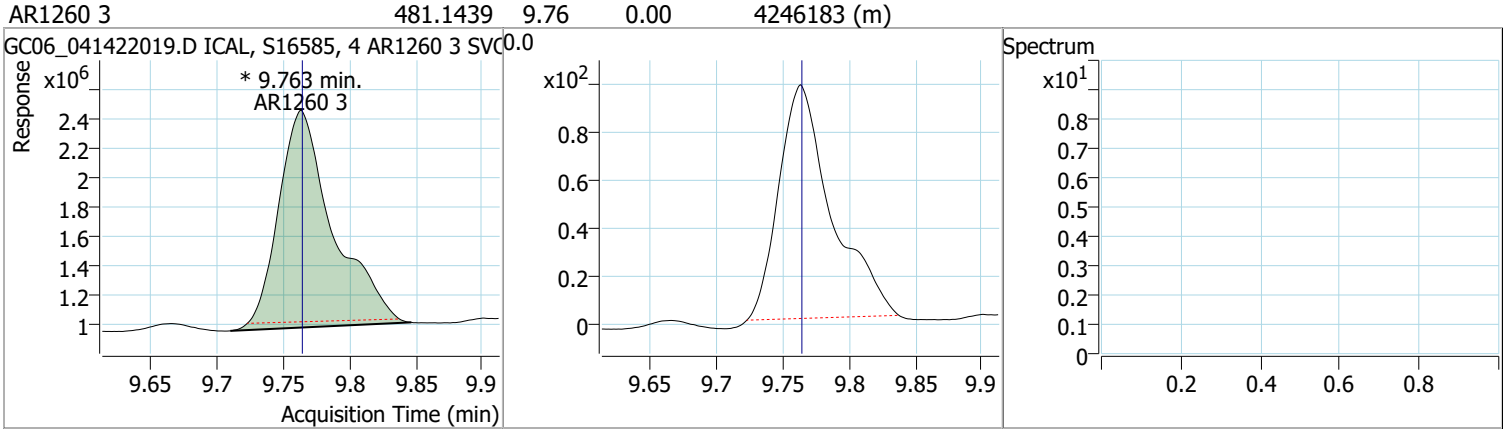
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	480.6274	9.22	0.00	4080185			



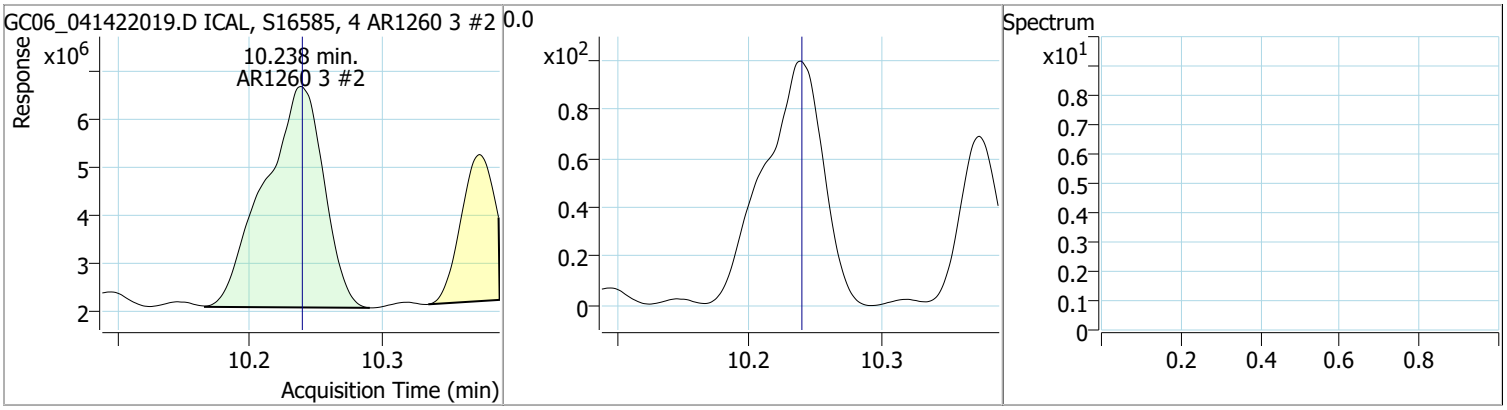
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	480.3199	9.65	0.00	10571114 (m)			



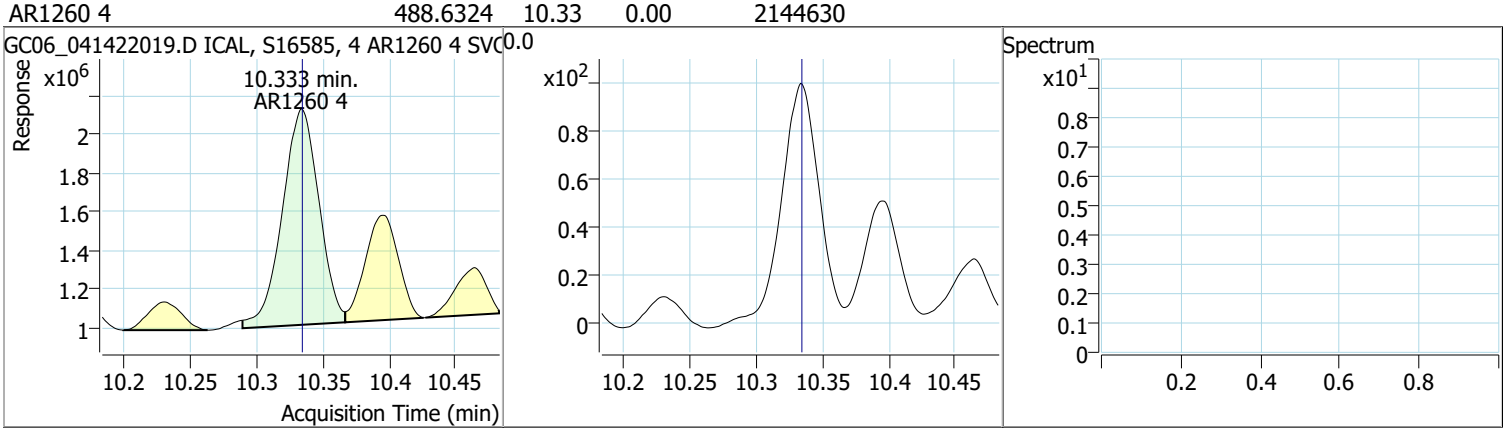
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	481.1439	9.76	0.00	4246183 (m)			



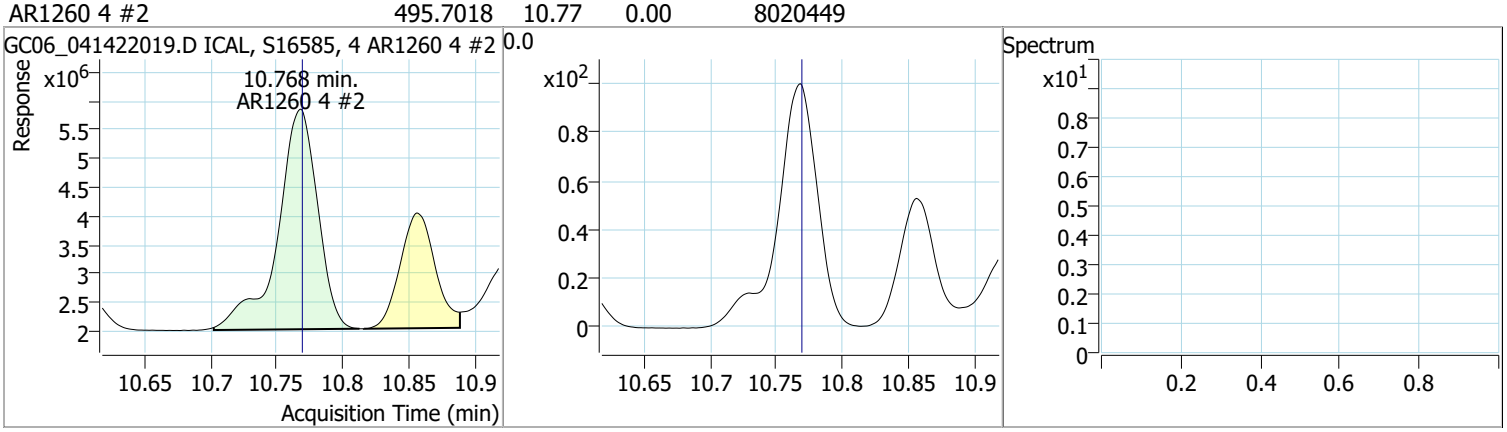
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	483.6947	10.24	0.00	14462994			



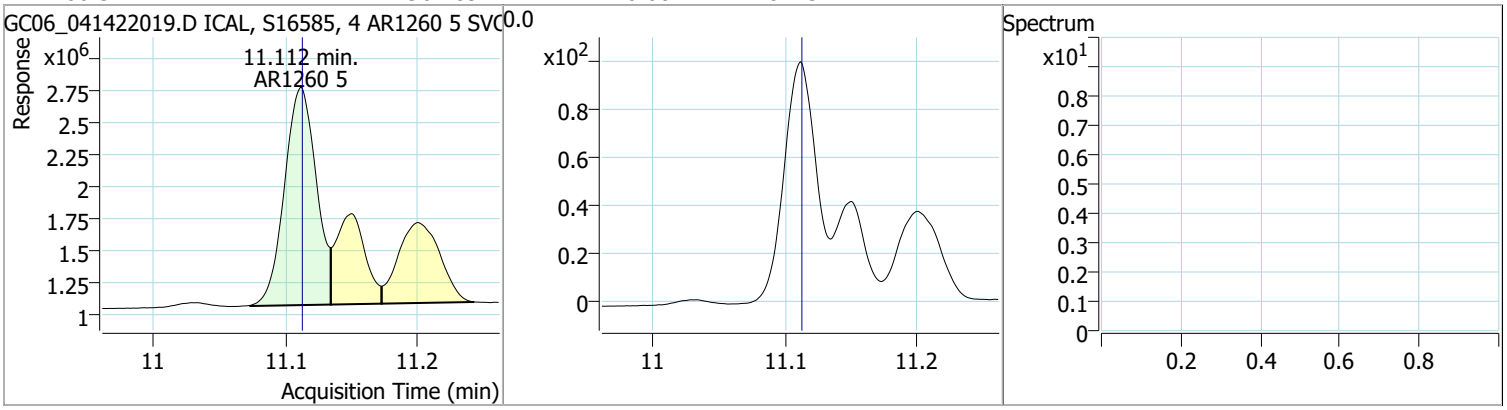
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	488.6324	10.33	0.00	2144630			



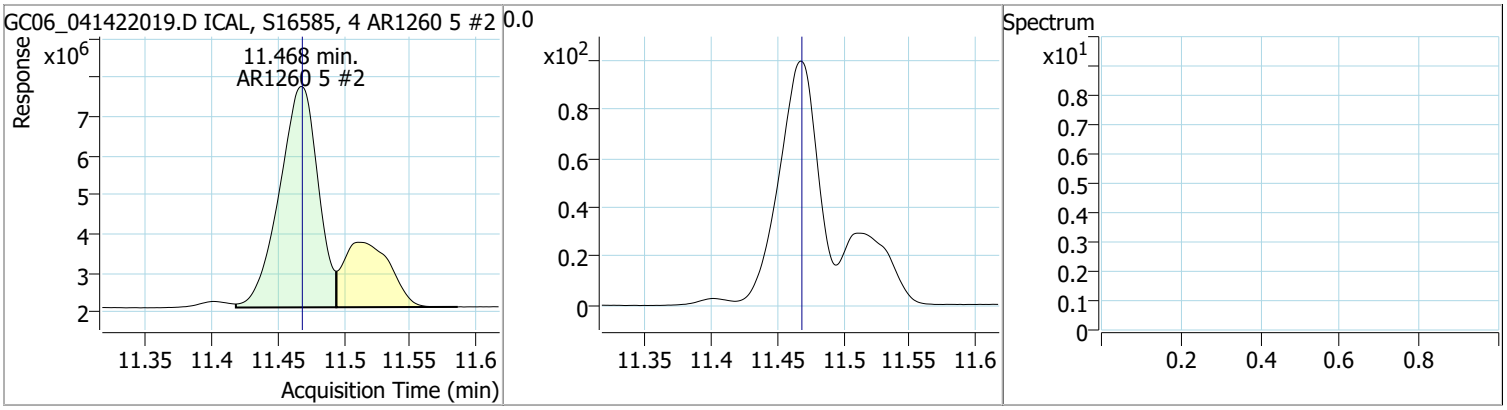
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	495.7018	10.77	0.00	8020449			



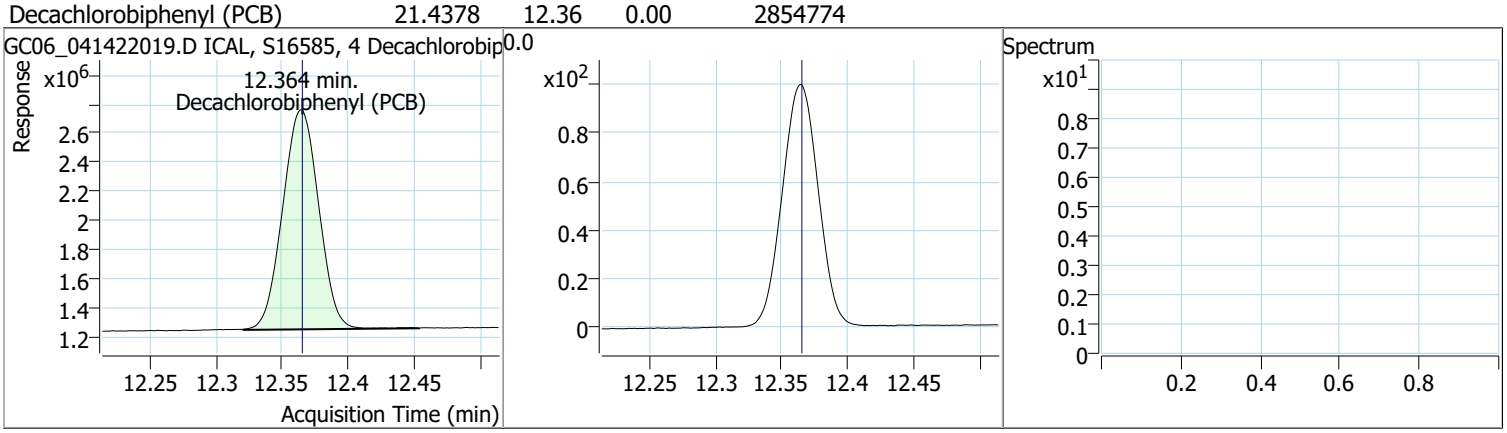
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	490.1891	11.11	0.00	2847527			



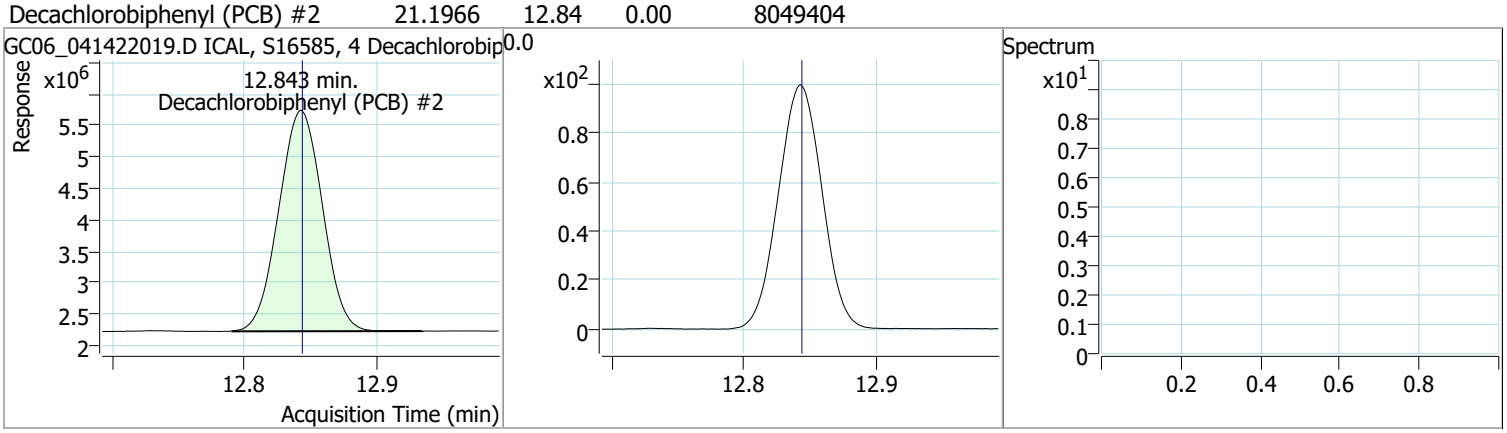
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	480.9254	11.47	0.00	11472329			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	21.4378	12.36	0.00	2854774			

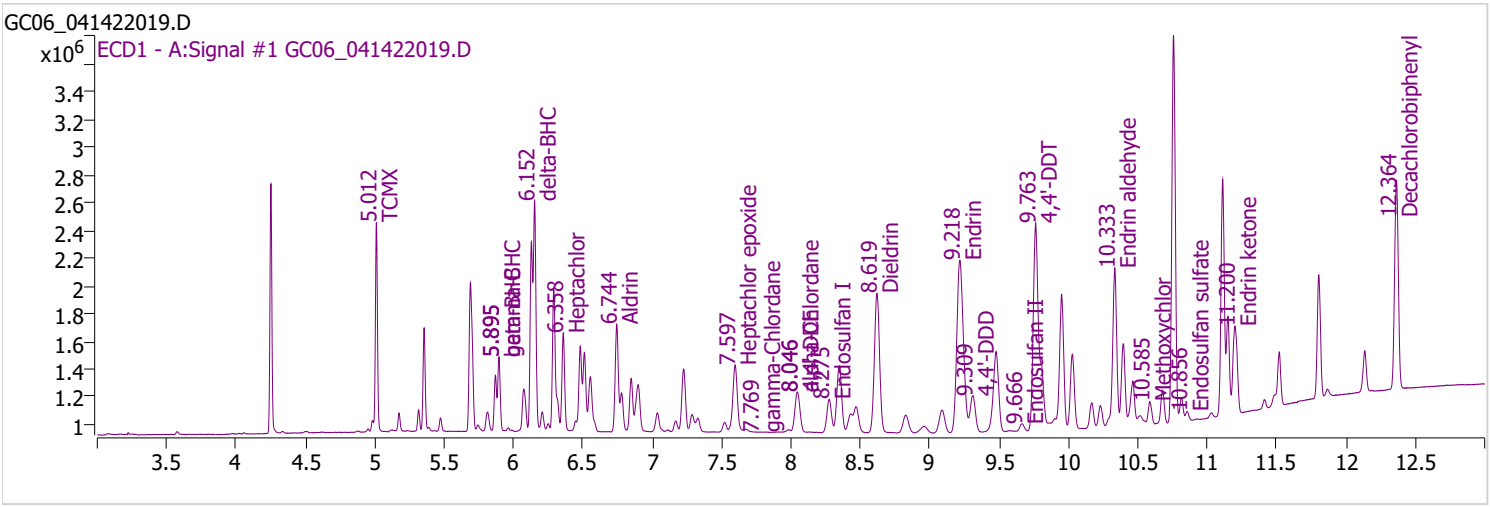


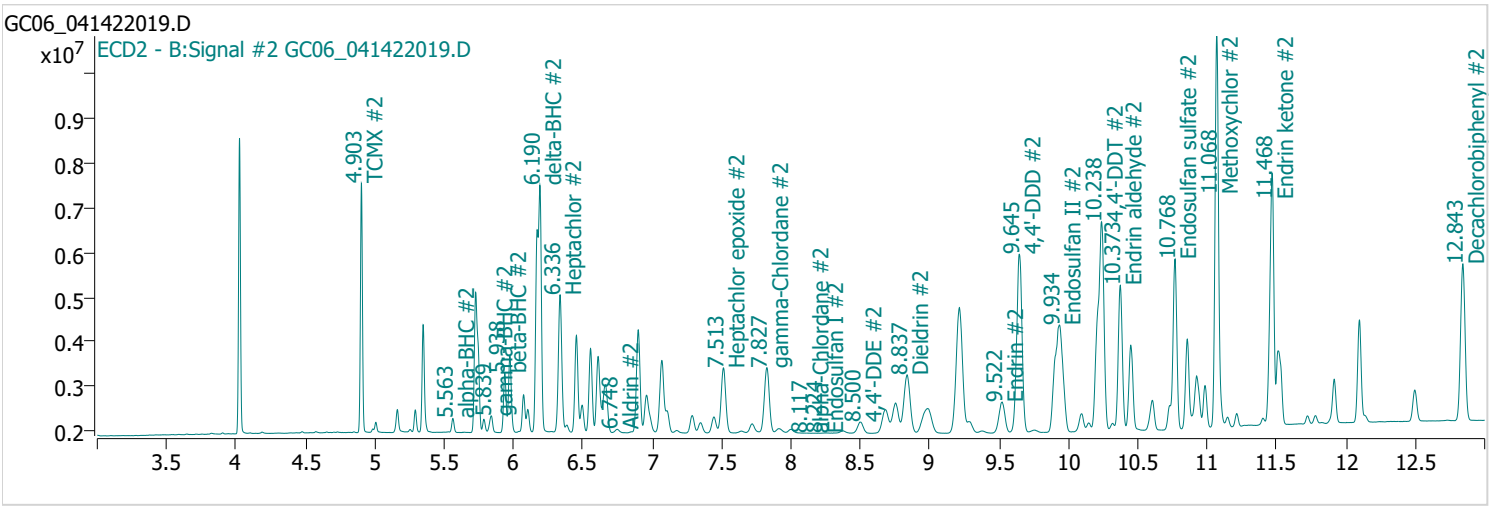
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	21.1966	12.84	0.00	8049404			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422019.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 7:51:33 PM
Sample Name	ICAL, S16585, 4	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 115	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 8:05:48 PM



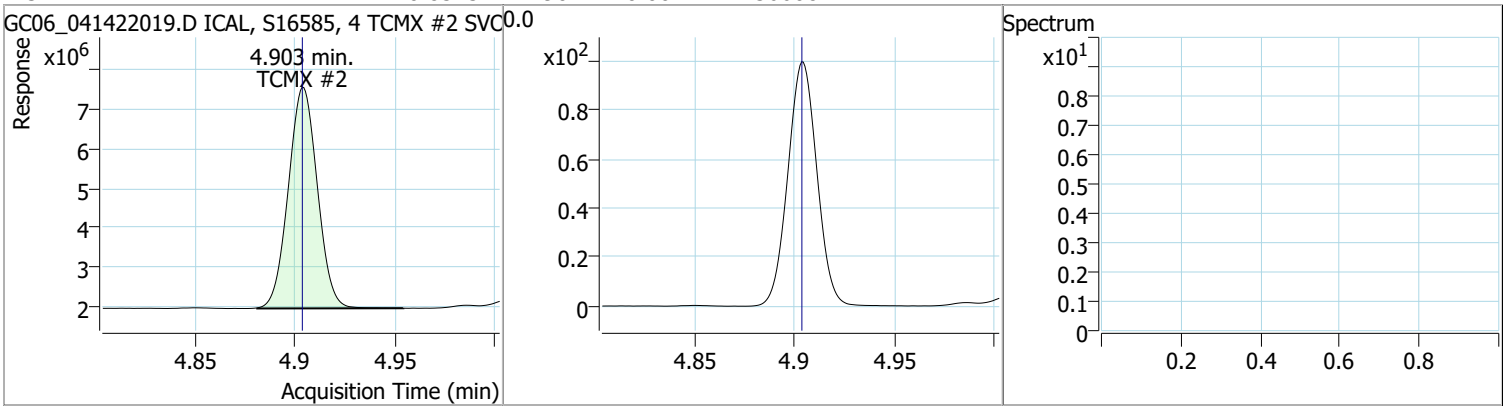


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.252	4.025	1741966	6286733	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.012	4.903	1580217	5660824	19.748	20.854	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	98.74%	104.27%	
S Decachlorobiphenyl	12.364	12.843	2820629	8017653	23.025	22.327	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	115.13%	111.64%	
Target Compounds							
T alpha-BHC	----	5.563 f	0	343211	N.D.	1.427 #	ng/ml
T gamma-BHC	5.895	5.839	657278	532329	8.878	2.180 #	ng/ml
T beta-BHC	5.895	5.938	655012	1711470	17.265	11.915 #	ng/ml
T delta-BHC	6.152	6.190	2131988	13330961	21.086	27.383 #	ng/ml
T Heptachlor	6.358	6.336	849316	5357740	10.881	16.005 #	ng/ml
T Aldrin	6.744	6.748	1231822	147229	14.681	0.576 #	ng/ml
T Heptachlor epoxide	7.597	7.513	1044332	3071162	12.958	11.243	ng/ml
T gamma-Chlordane	7.769	7.827	1352	3546430	0.022	11.949 #	ng/ml
T alpha-Chlordane	8.046	8.117	460118	759	7.073	0.004 #	ng/ml

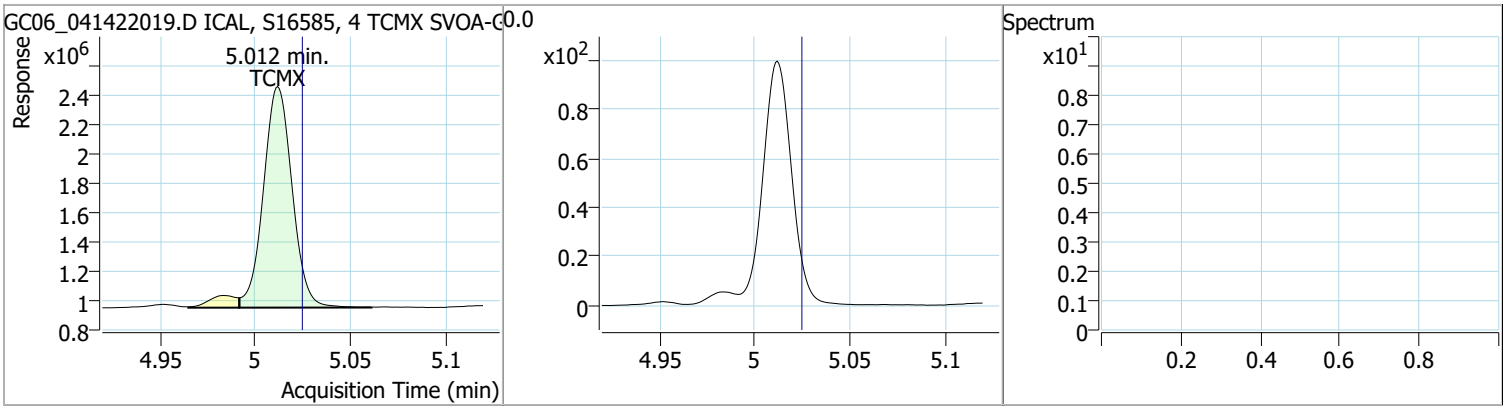
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.275	8.224	543392	2878	8.821	0.014 #	ng/ml
T 4,4'-DDE	8.046	8.500 f	708218	696359	11.132	3.563 #	ng/ml
T Dieldrin	8.619	8.837	2625480	2765724	30.940	11.722 #	ng/ml
T Endrin	9.218	9.522	3891311	2017240	43.217	9.696 #	ng/ml
T 4,4'-DDD	9.309	9.645 f	404913	9764947	8.727	46.238 #	ng/ml
T Endosulfan II	9.666	9.934 f	108827	9923288	1.831	34.228 #	ng/ml
T 4,4'-DDT	9.763	10.238	4068912	14395011	58.202	43.868	ng/ml
T Endrin aldehyde	10.333	10.373	1982540	6406259	33.760	30.834	ng/ml
T Endosulfan sulfate	10.856	10.768	56701	8033382	1.088	33.210 #	ng/ml
T Methoxychlor	10.585	11.068 f	250002	15855033	7.826	116.391 #	ng/ml
T Endrin ketone	11.200	11.468 f	1061145	10465973	14.492	33.494 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

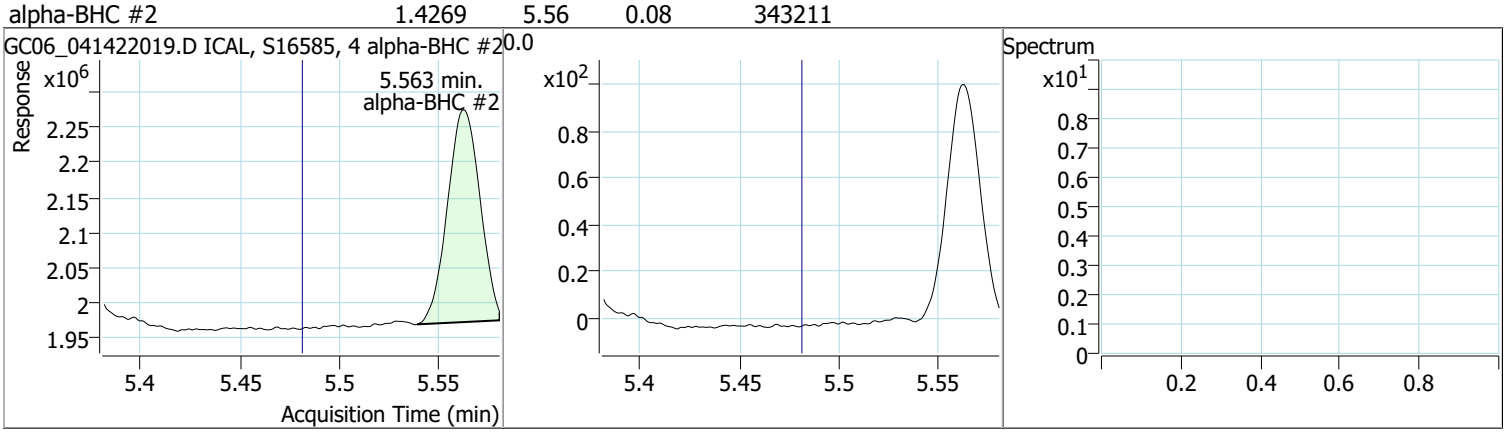
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	20.8545	4.90	0.00	5660824			



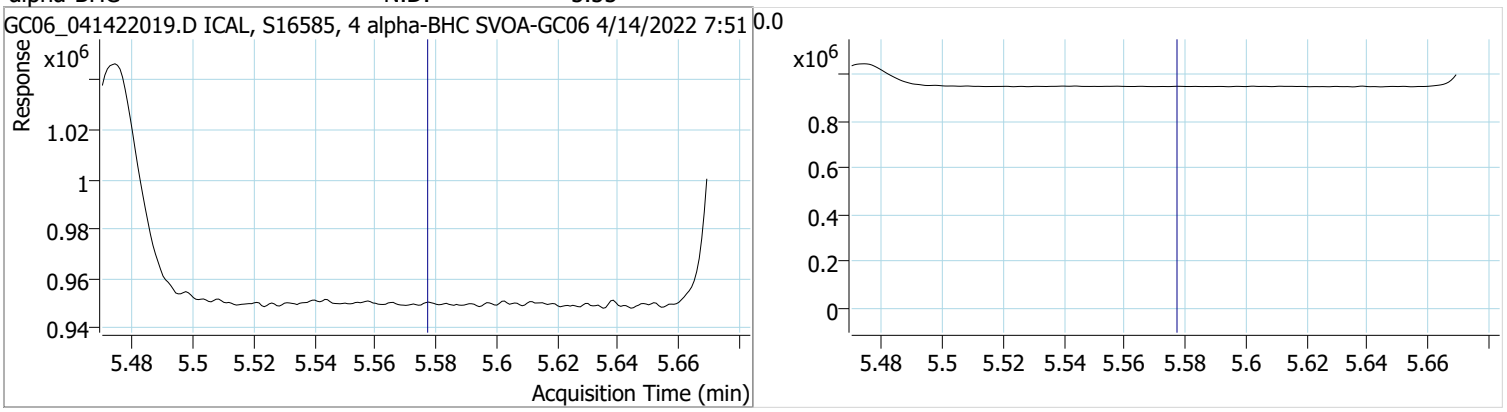
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	19.7478	5.01	0.01	1580217			



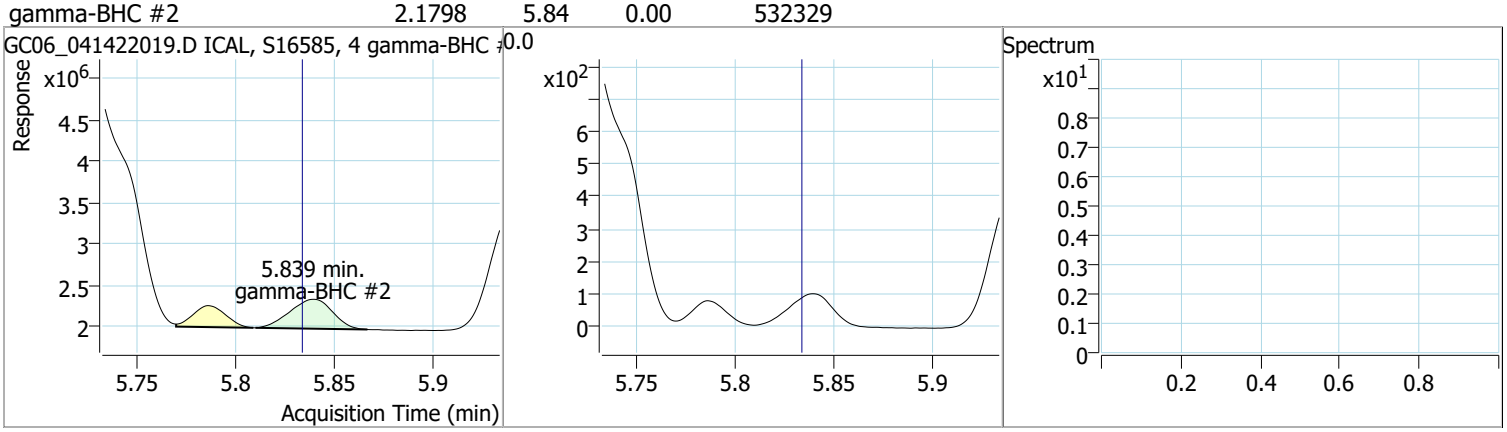
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	1.4269	5.56	0.08	343211			



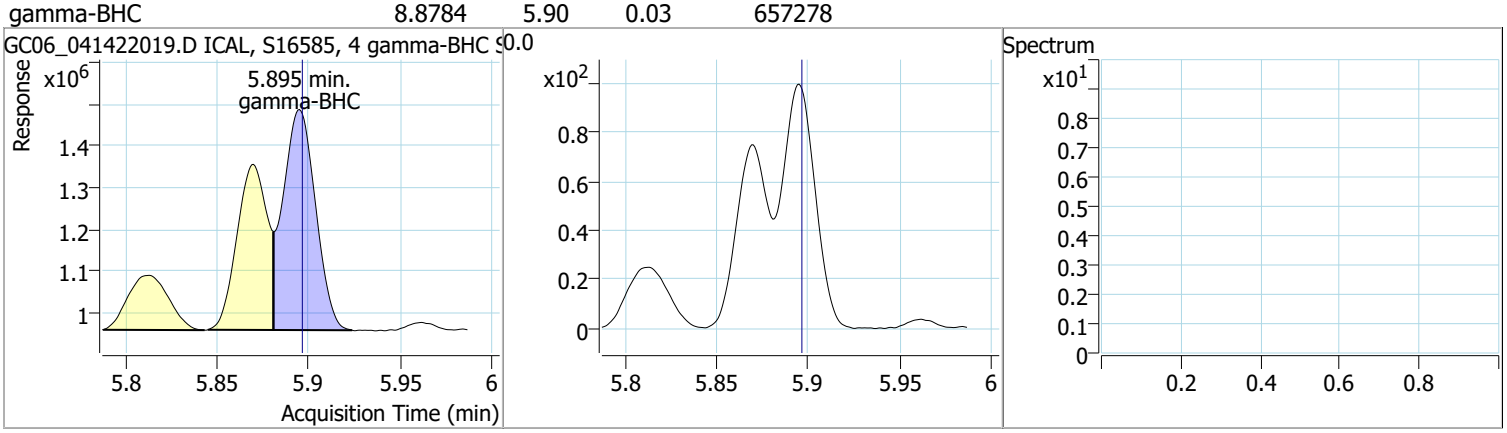
Compound	Conc.		Exp Ratio
alpha-BHC	N.D.	5.55	



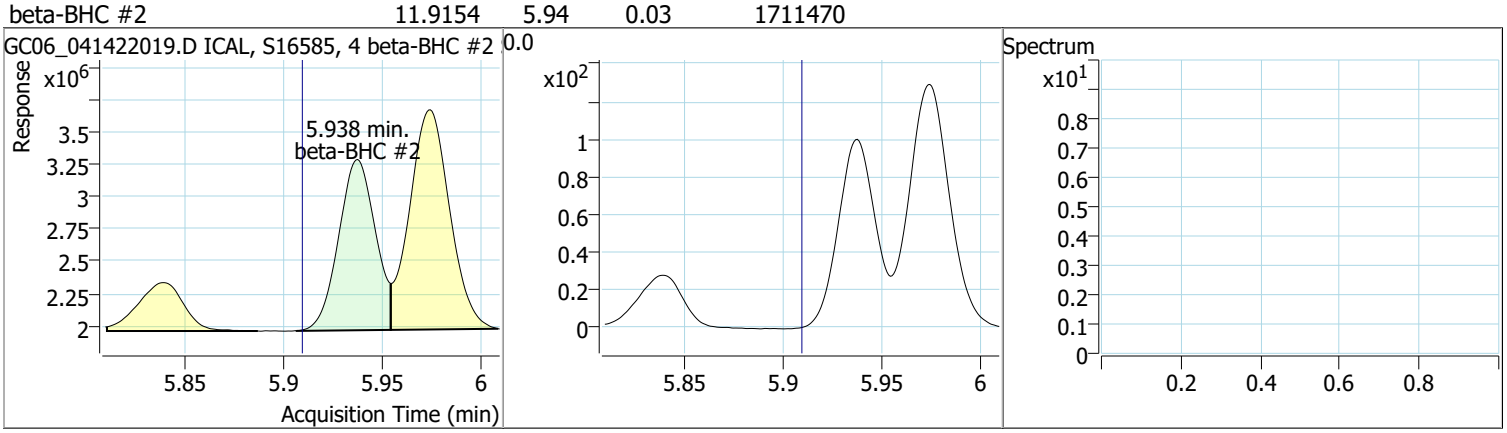
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	2.1798	5.84	0.00	532329			



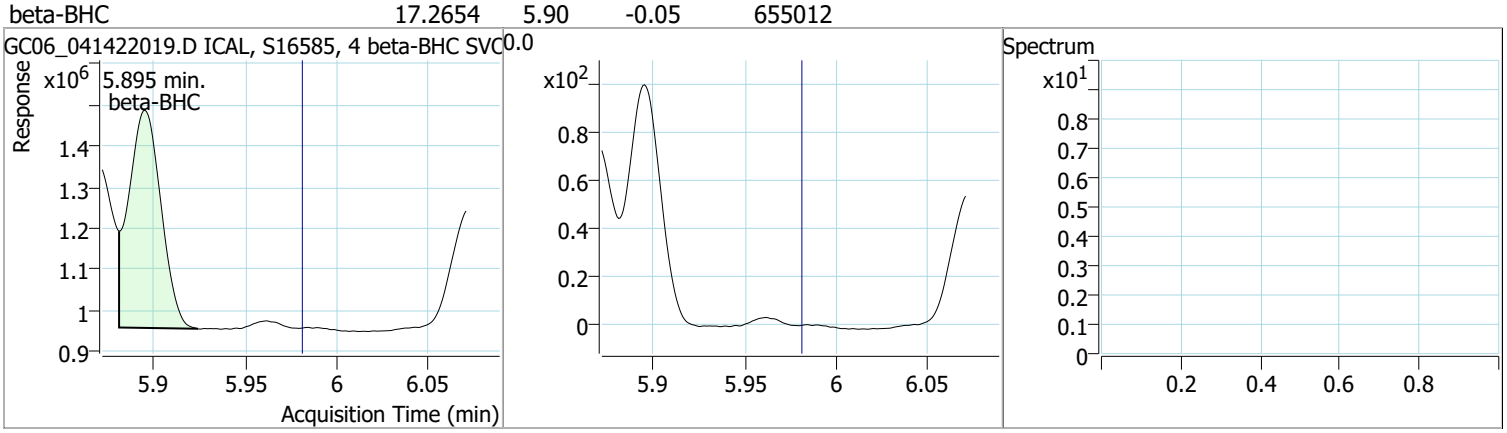
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	8.8784	5.90	0.03	657278			



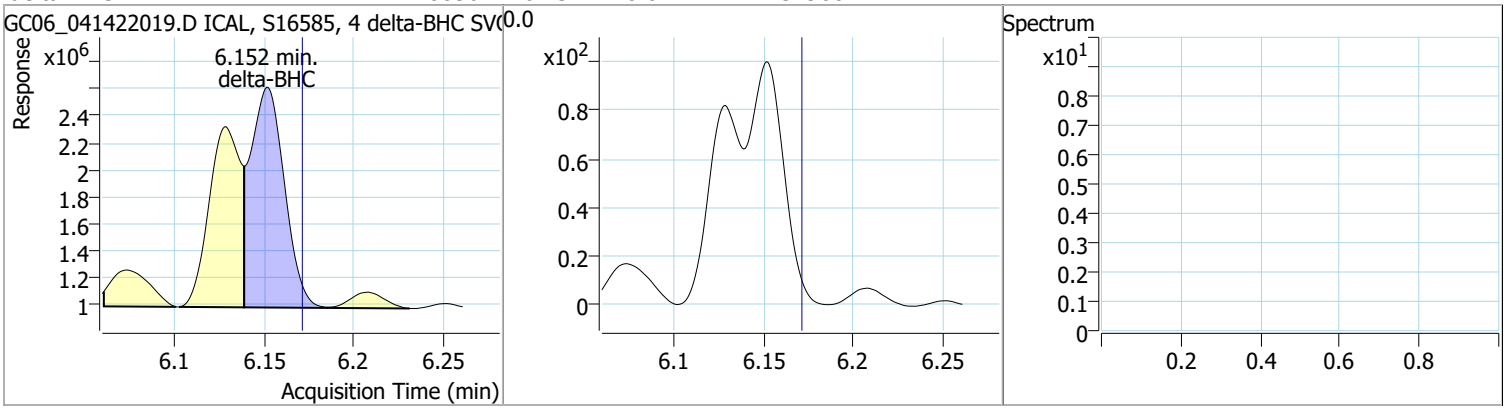
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	11.9154	5.94	0.03	1711470			



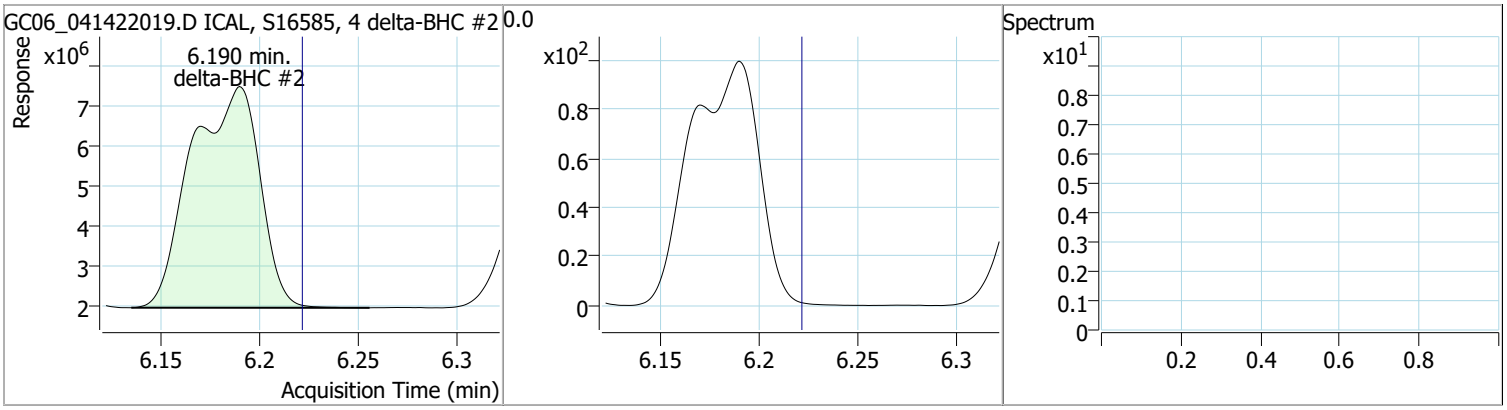
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	17.2654	5.90	-0.05	655012			



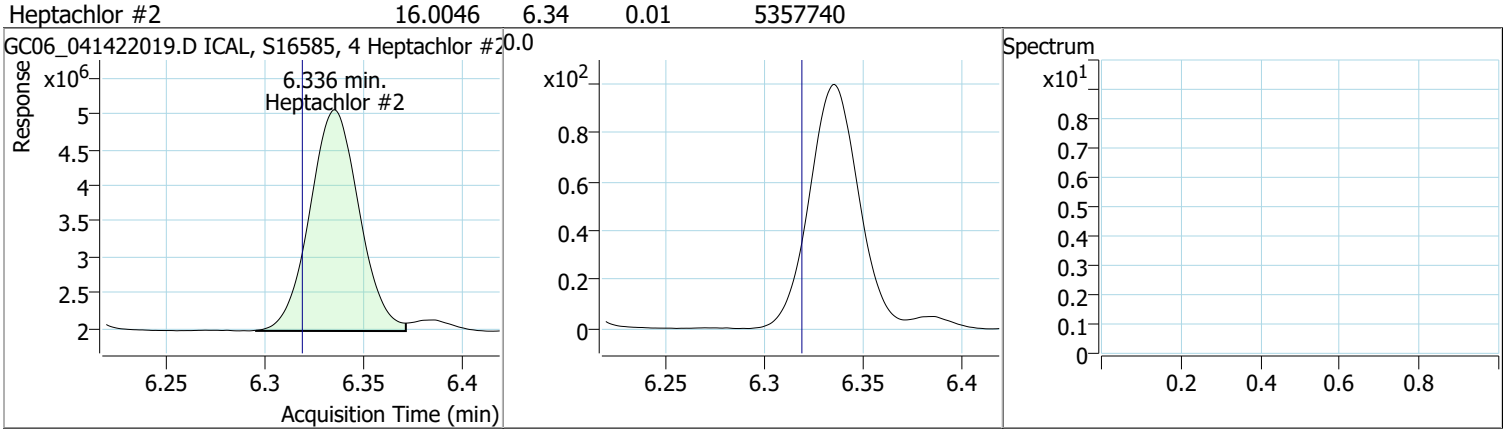
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	21.0856	6.15	0.01	2131988			



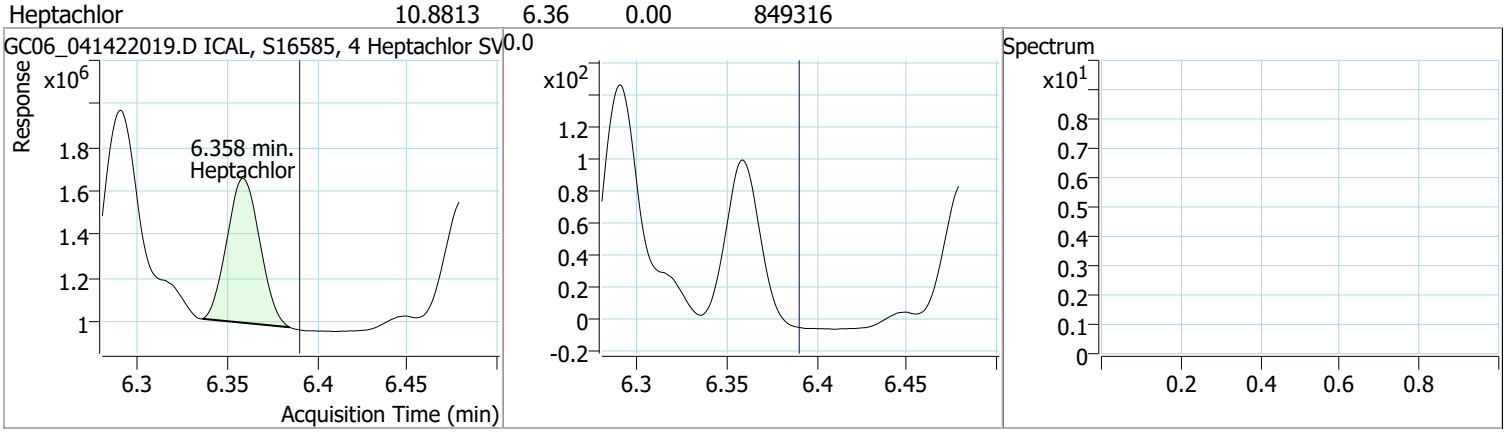
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	27.3833	6.19	-0.03	13330961			



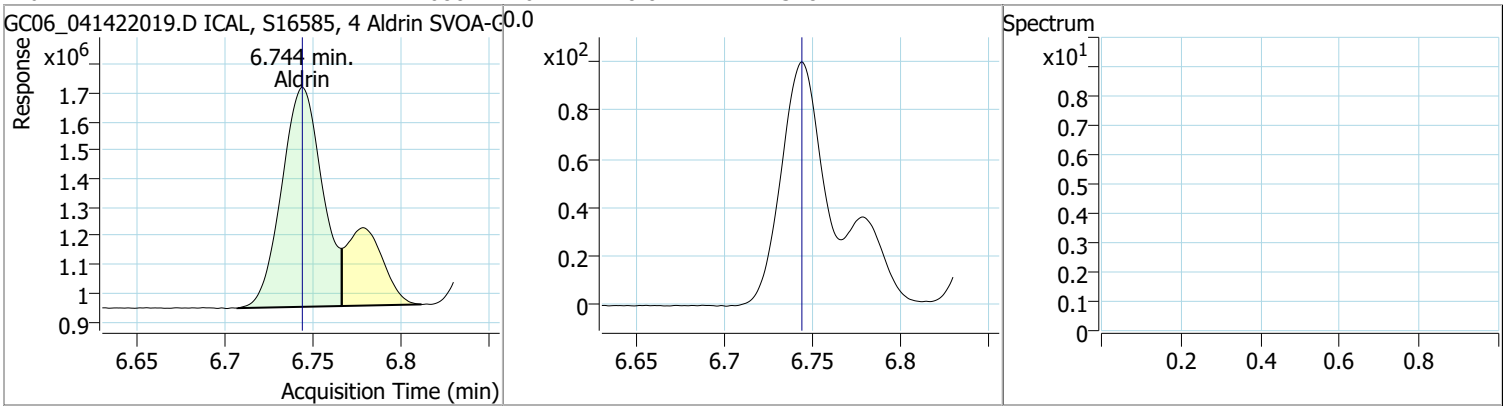
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	16.0046	6.34	0.01	5357740			



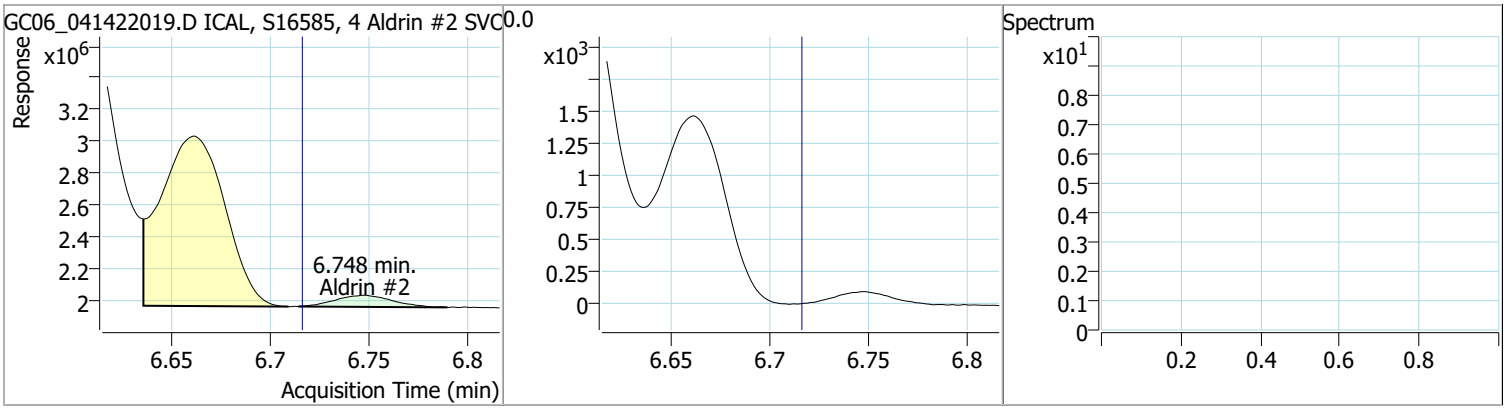
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	10.8813	6.36	0.00	849316			



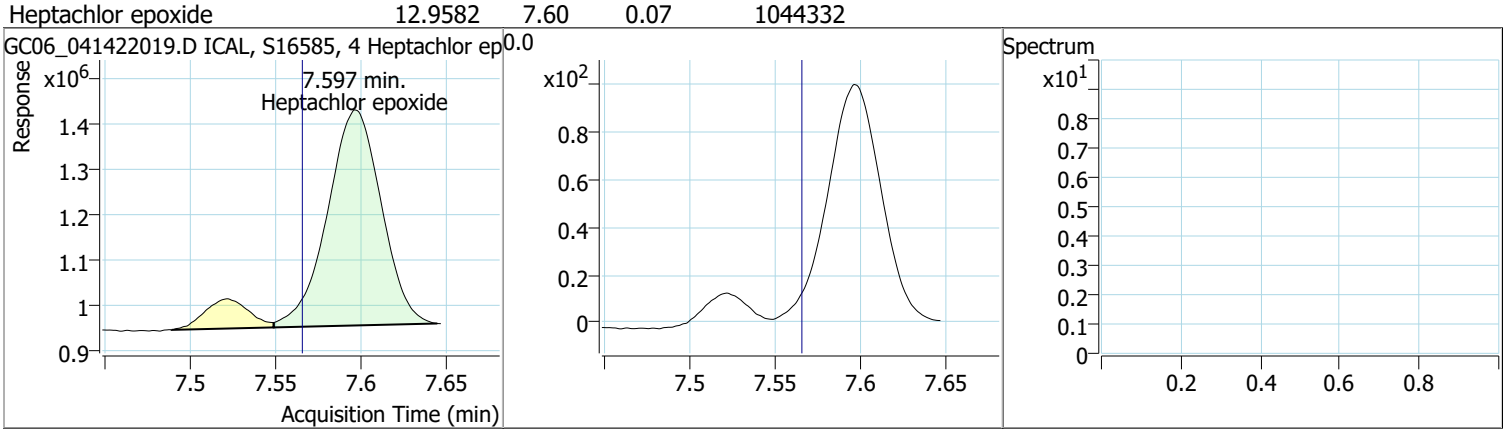
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	14.6807	6.74	0.04	1231822			



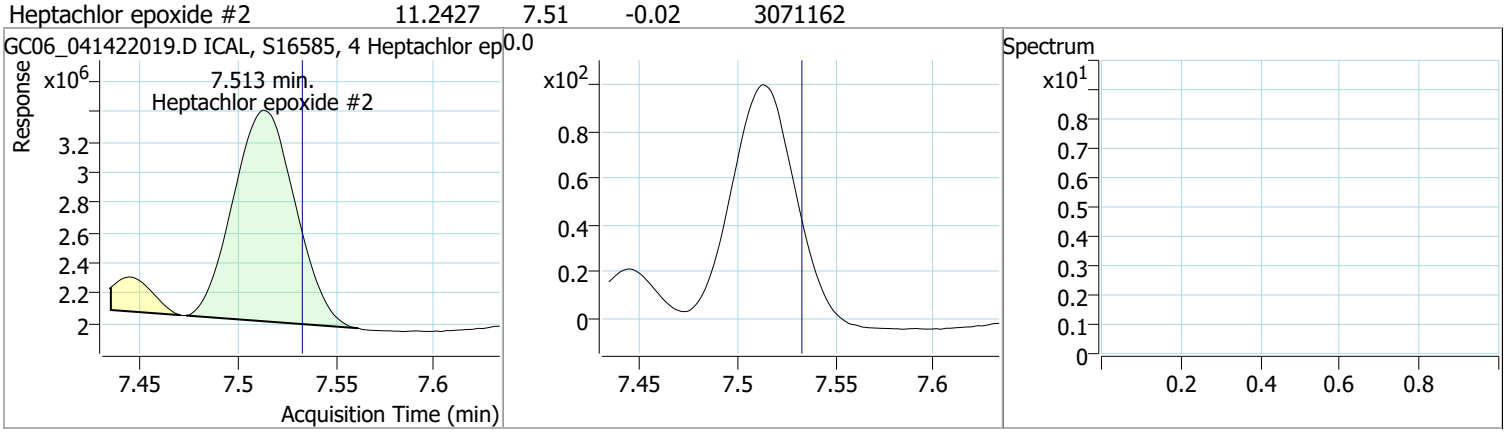
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	0.5761	6.75	0.03	147229			



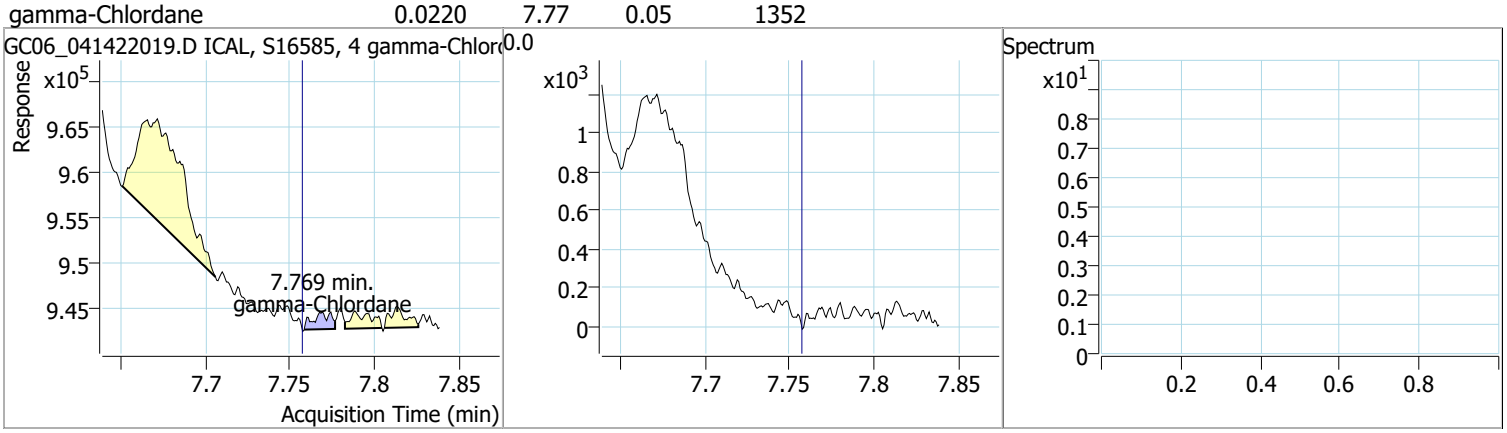
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	12.9582	7.60	0.07	1044332			



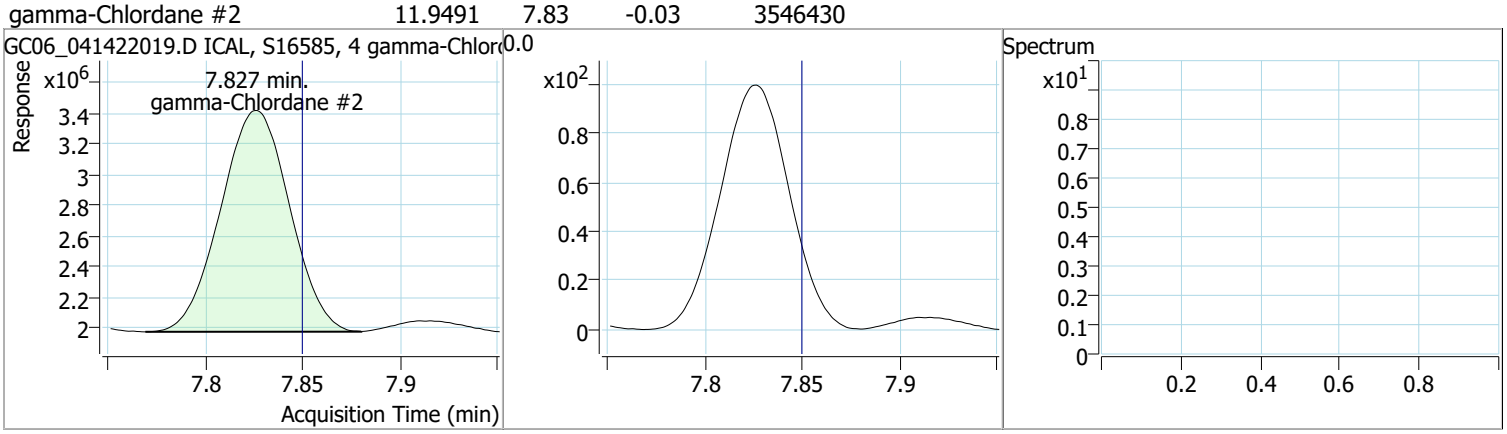
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	11.2427	7.51	-0.02	3071162			



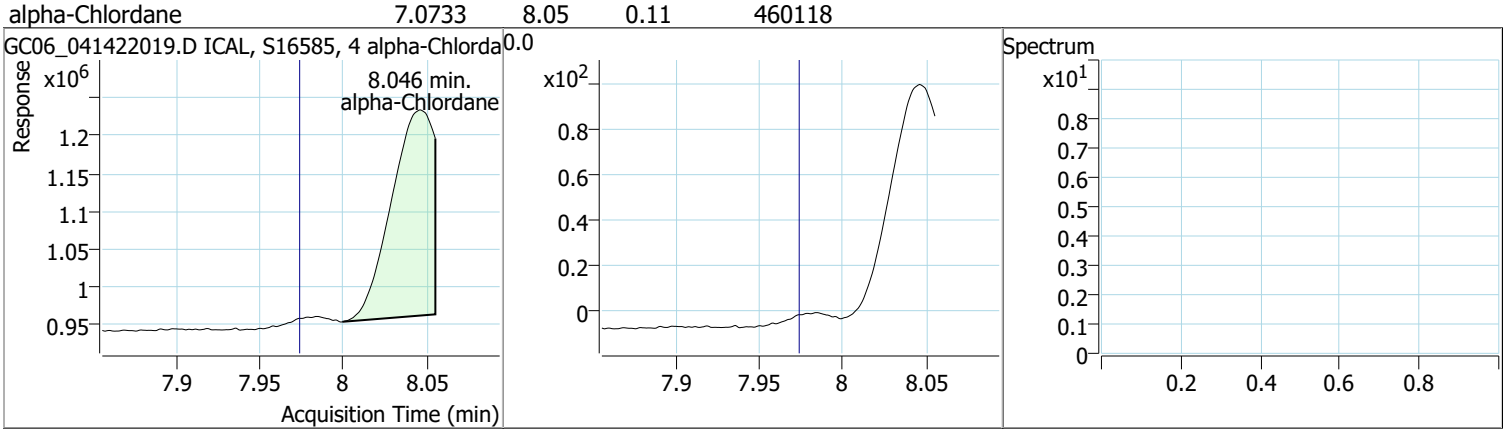
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.0220	7.77	0.05	1352			



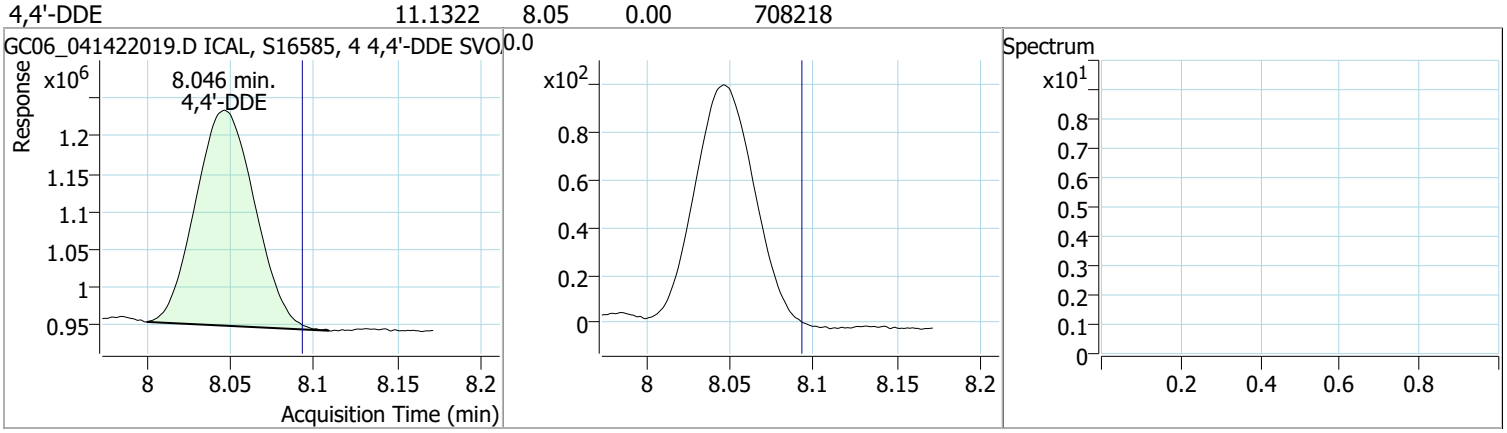
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	11.9491	7.83	-0.03	3546430			



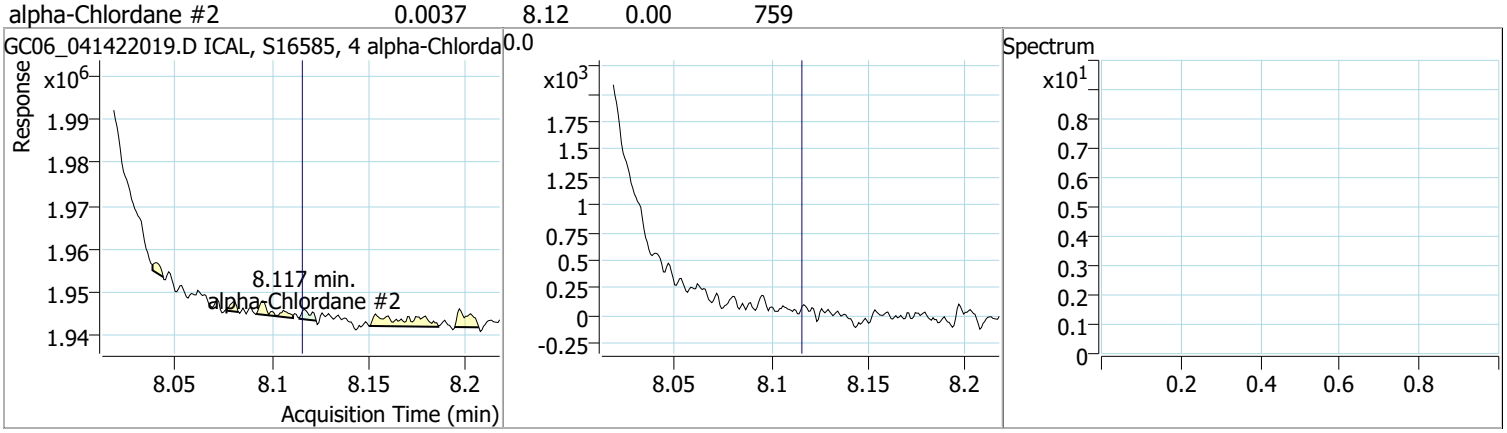
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	7.0733	8.05	0.11	460118			



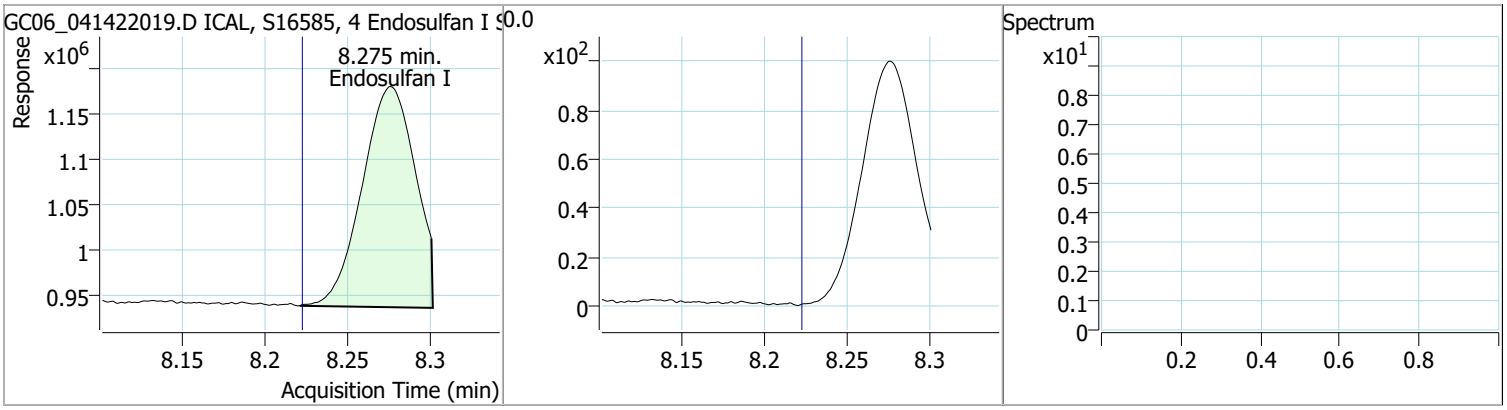
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	11.1322	8.05	0.00	708218			



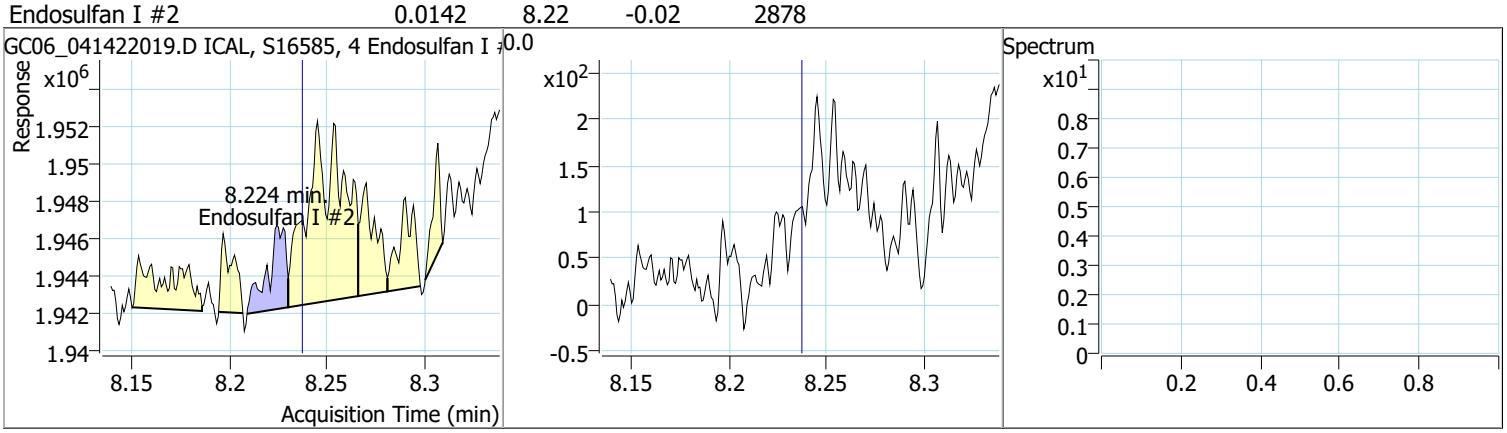
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane #2	0.0037	8.12	0.00	759			



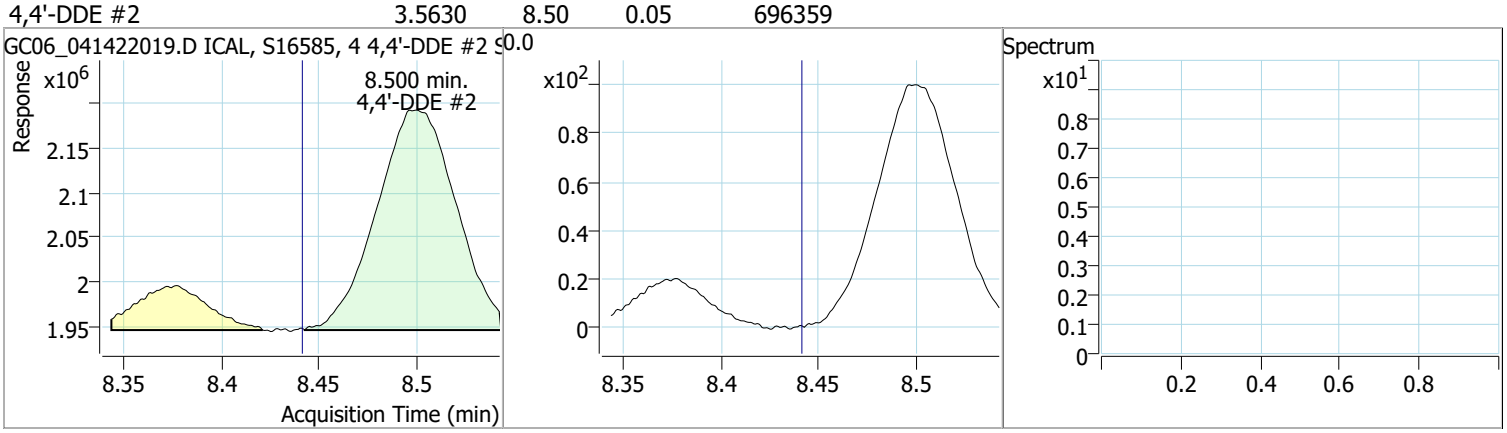
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	8.8210	8.28	0.10	543392			



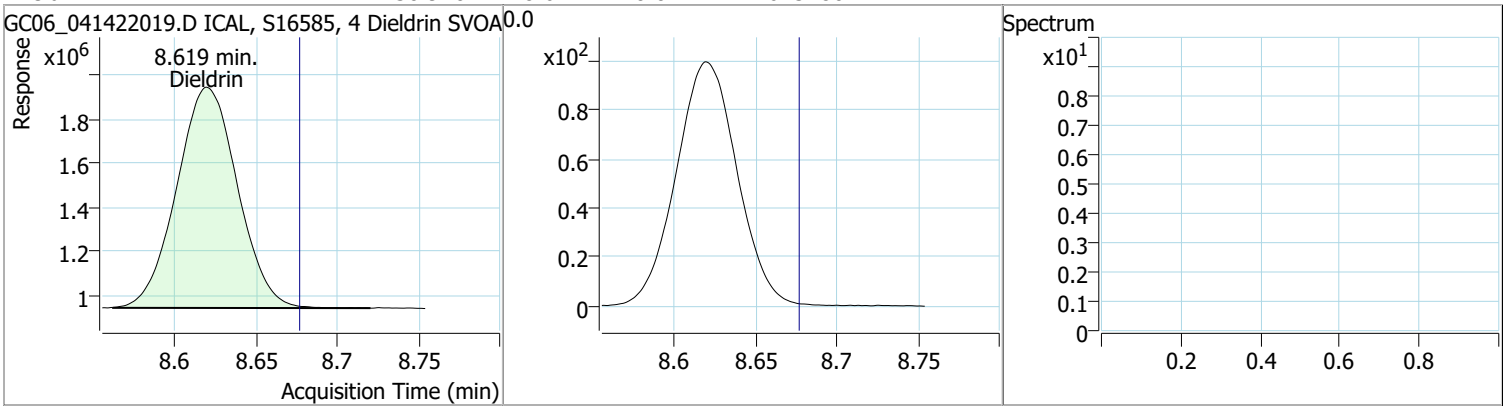
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I #2	0.0142	8.22	-0.02	2878			



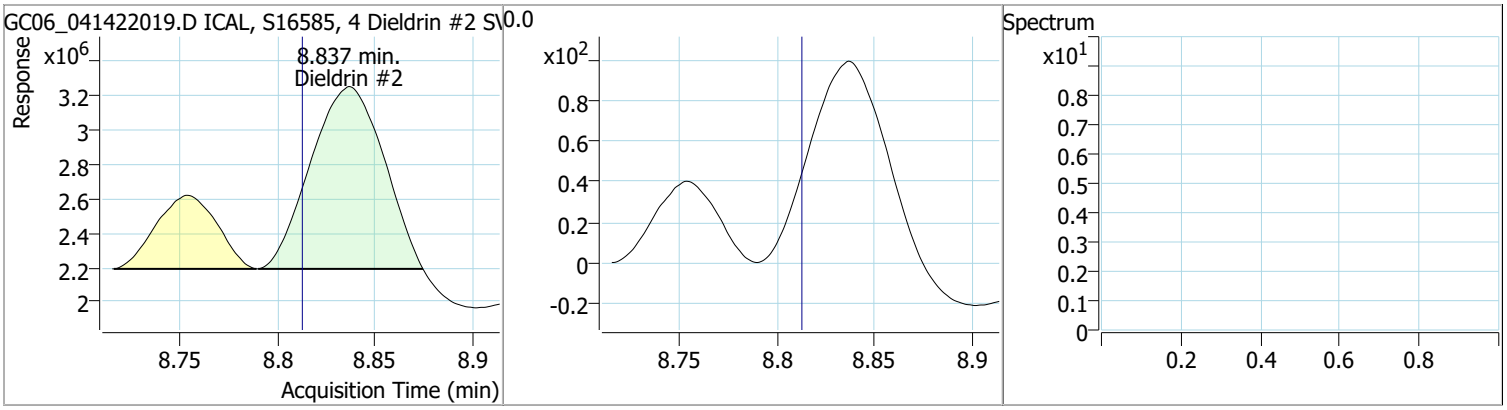
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	3.5630	8.50	0.05	696359			



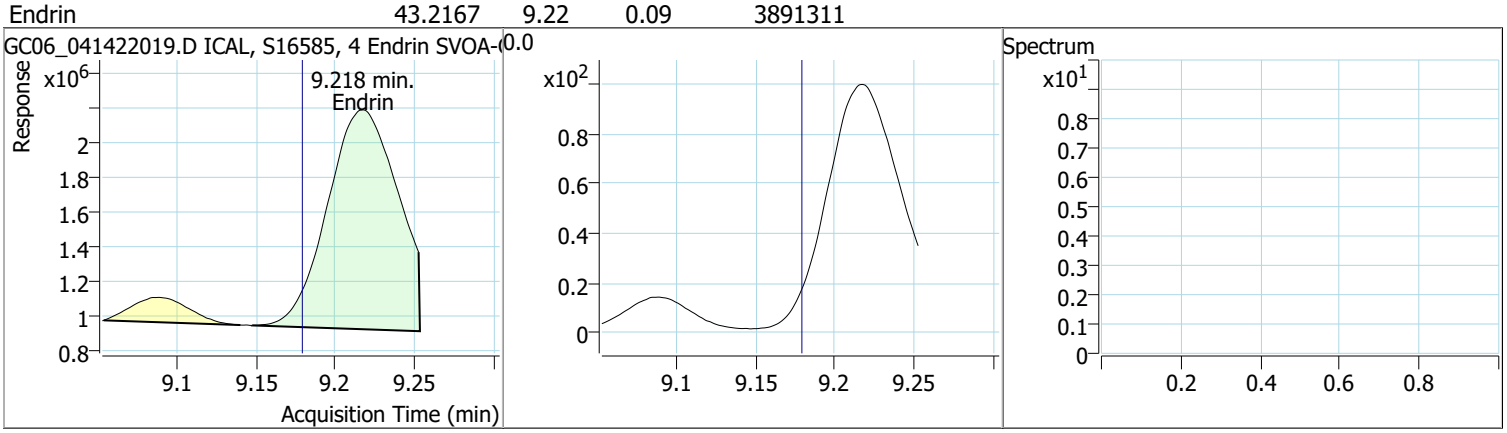
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin	30.9404	8.62	-0.01	2625480			



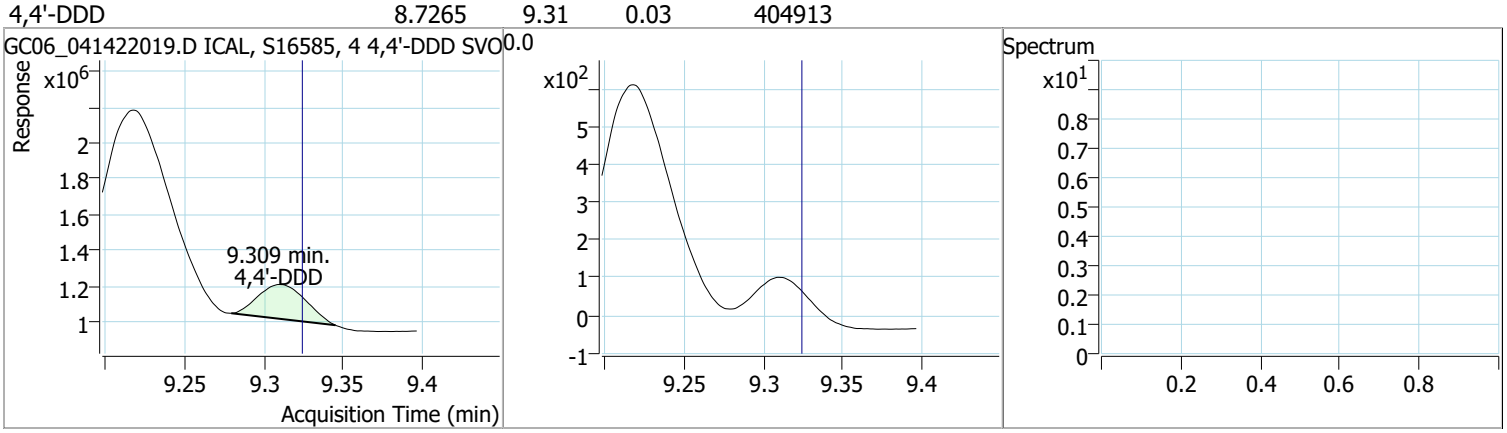
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	11.7221	8.84	0.02	2765724			



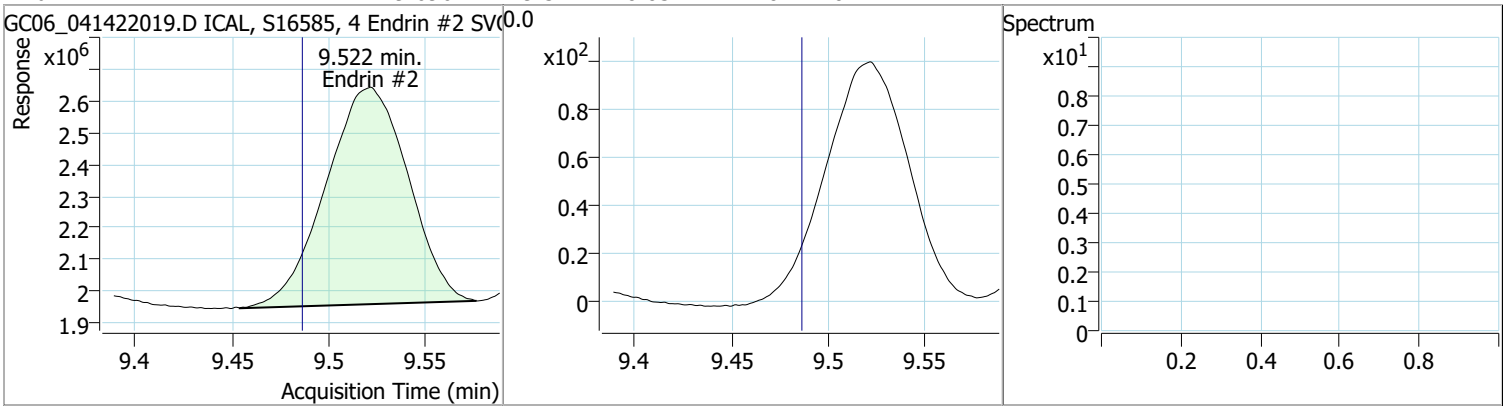
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin	43.2167	9.22	0.09	3891311			



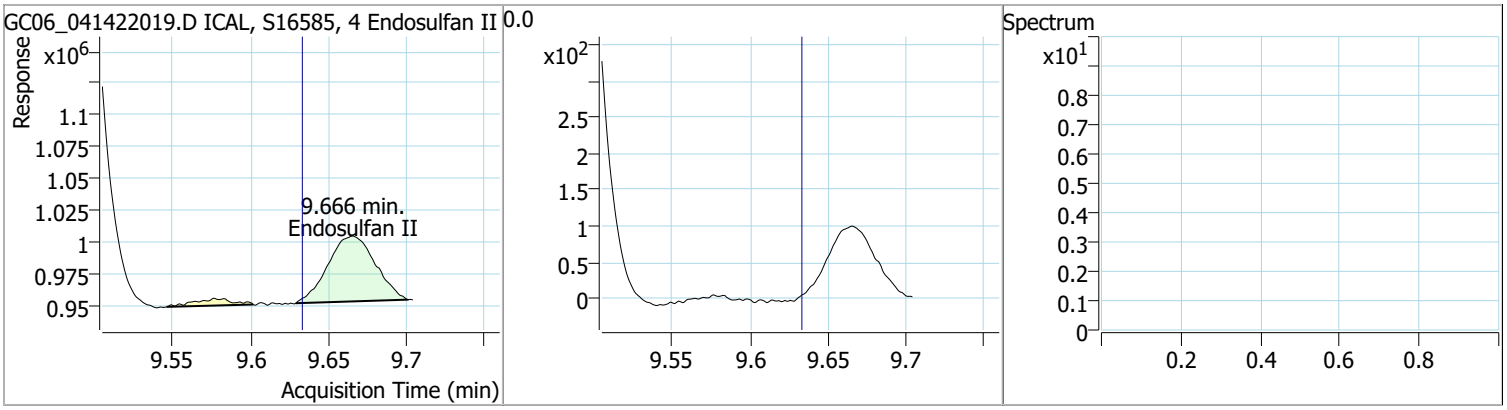
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	8.7265	9.31	0.03	404913			



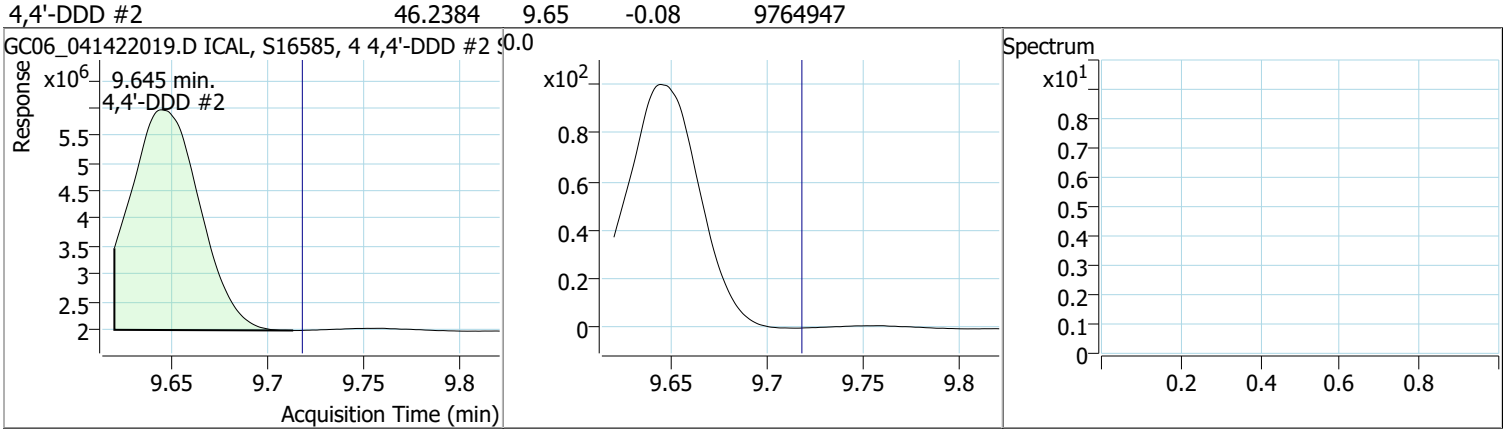
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin #2	9.6962	9.52	0.03	2017240			



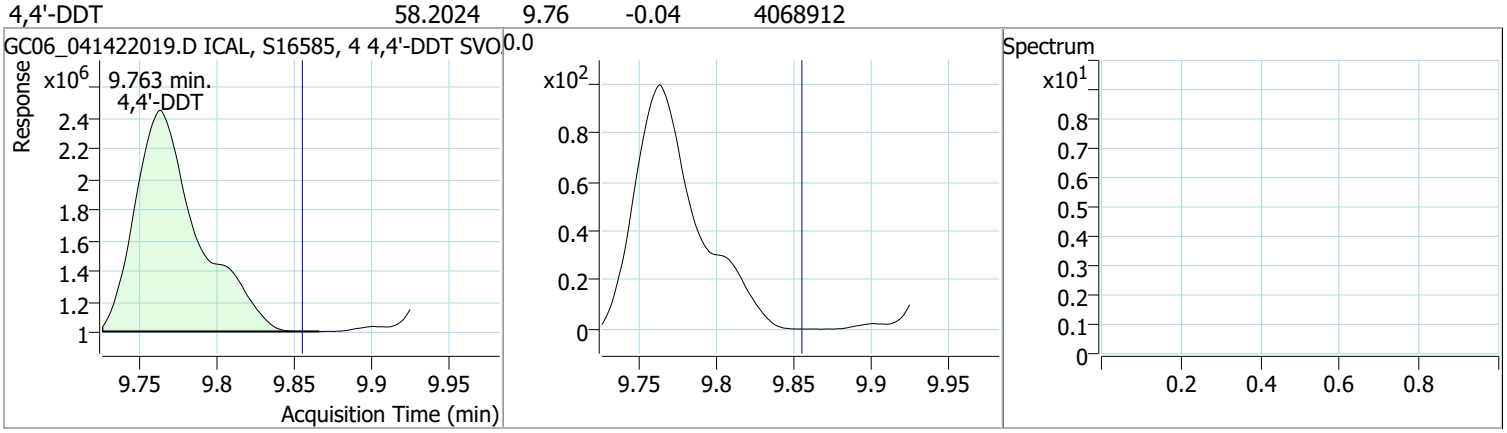
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II	1.8314	9.67	0.08	108827			



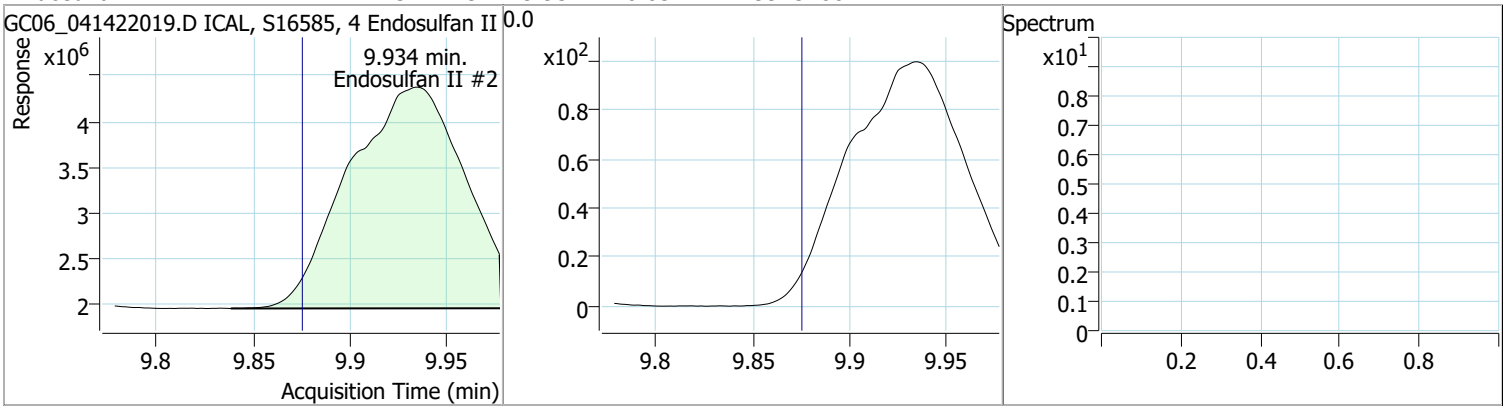
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	46.2384	9.65	-0.08	9764947			



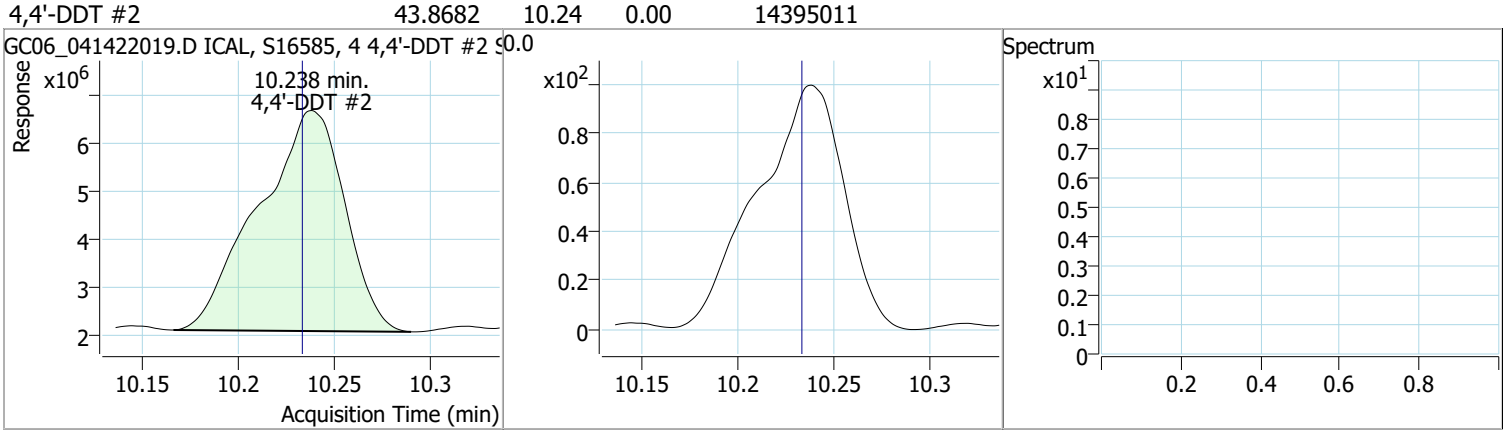
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	58.2024	9.76	-0.04	4068912			



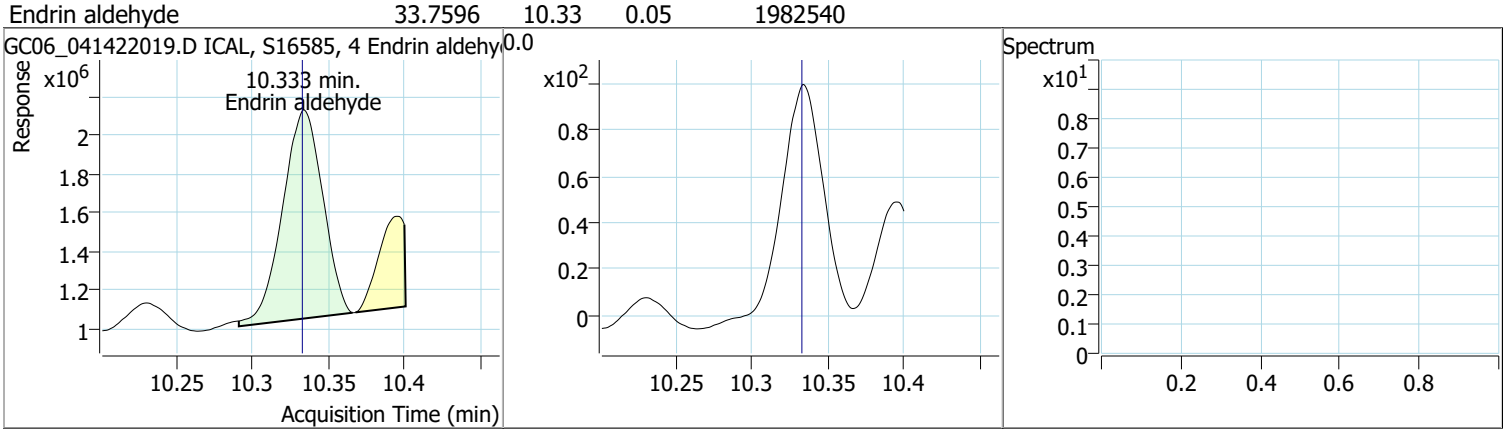
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	34.2279	9.93	0.05	9923288			



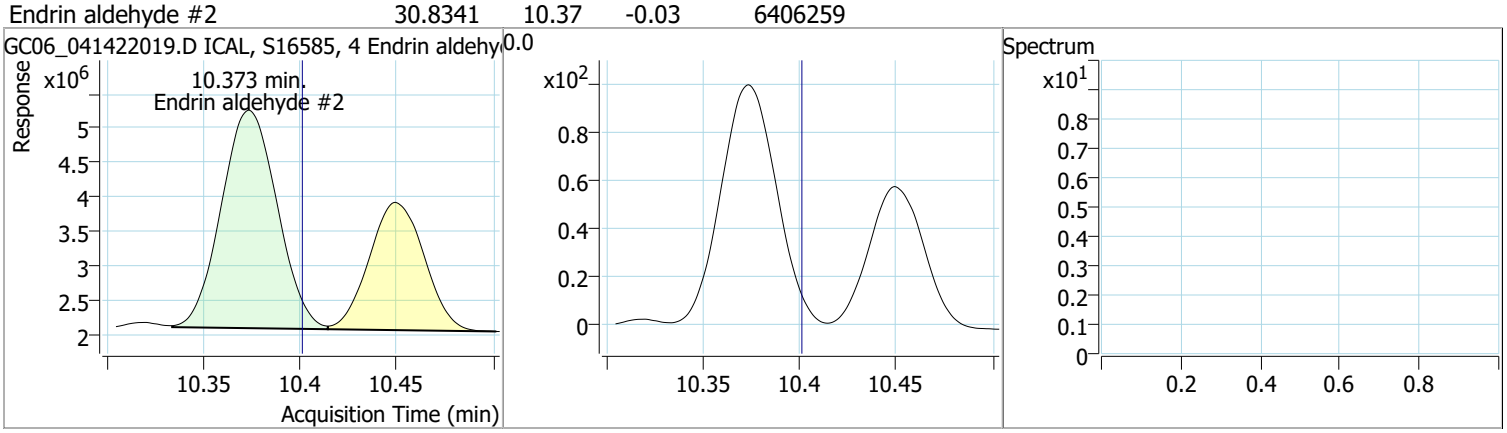
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	43.8682	10.24	0.00	14395011			



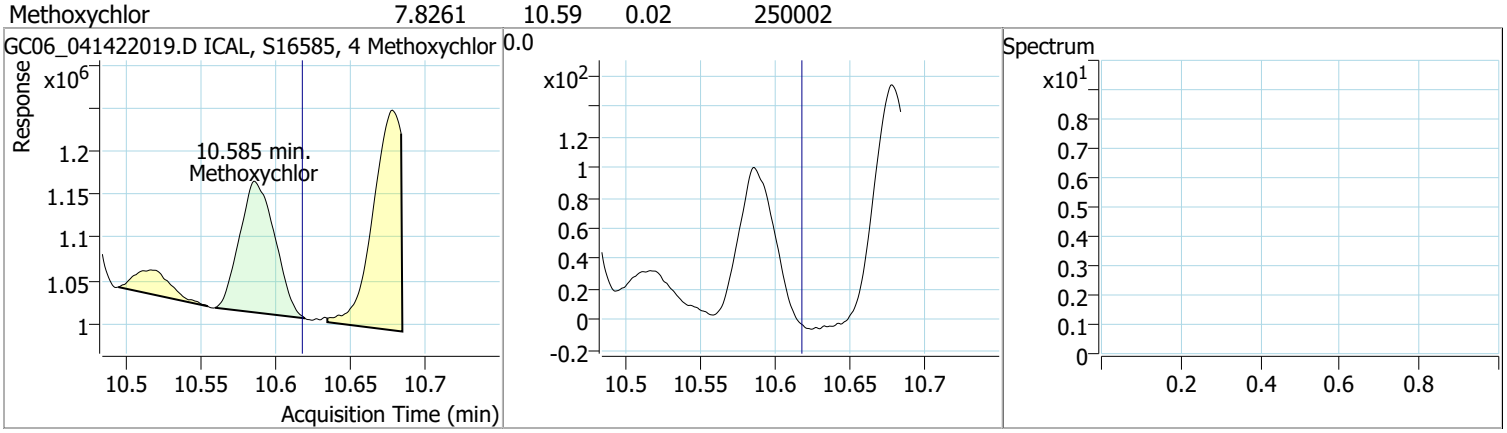
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	33.7596	10.33	0.05	1982540			



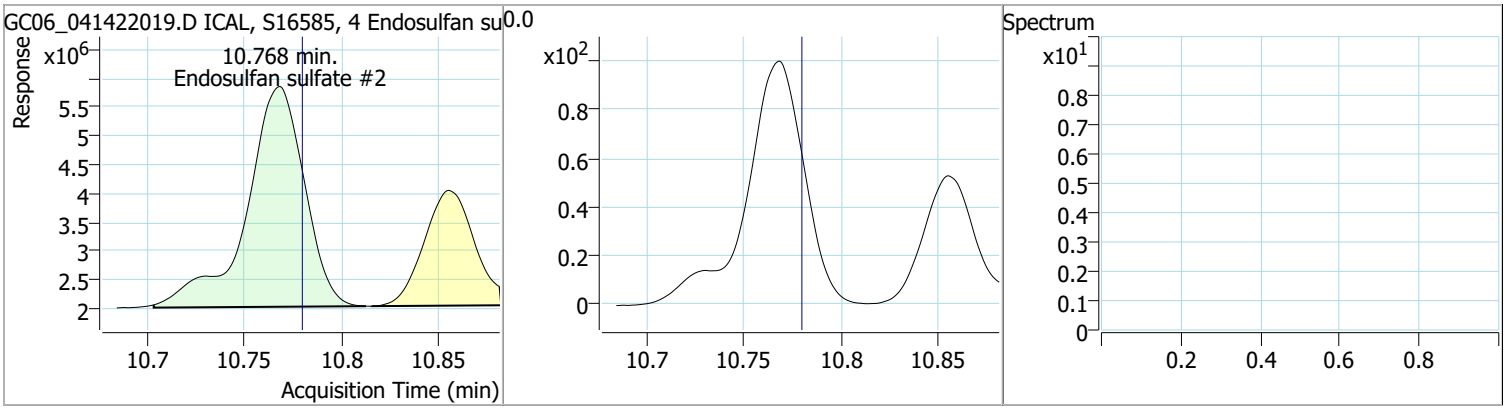
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	30.8341	10.37	-0.03	6406259			



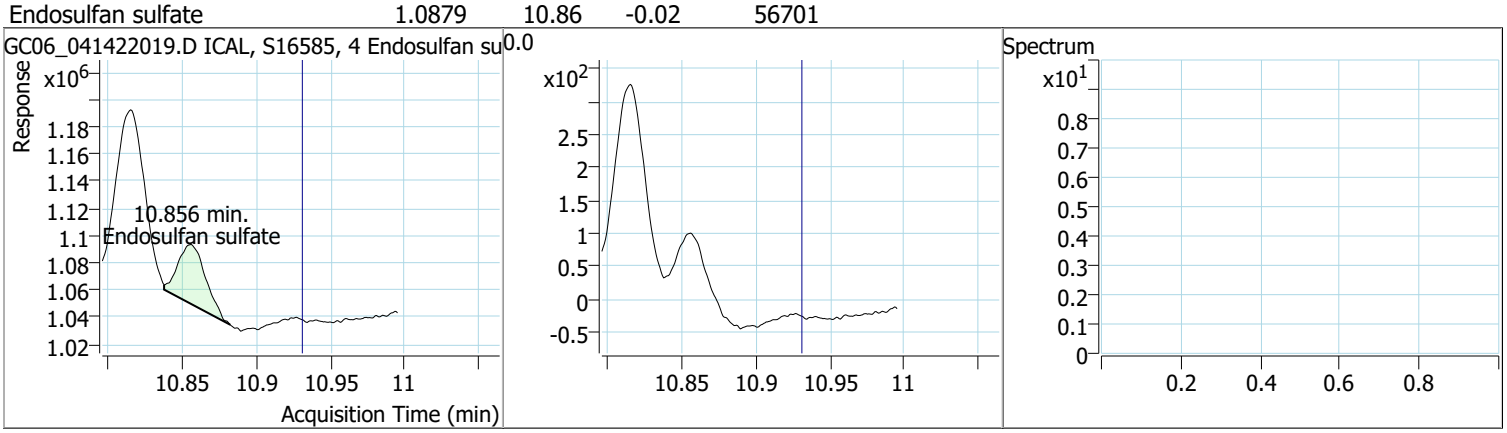
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	7.8261	10.59	0.02	250002			



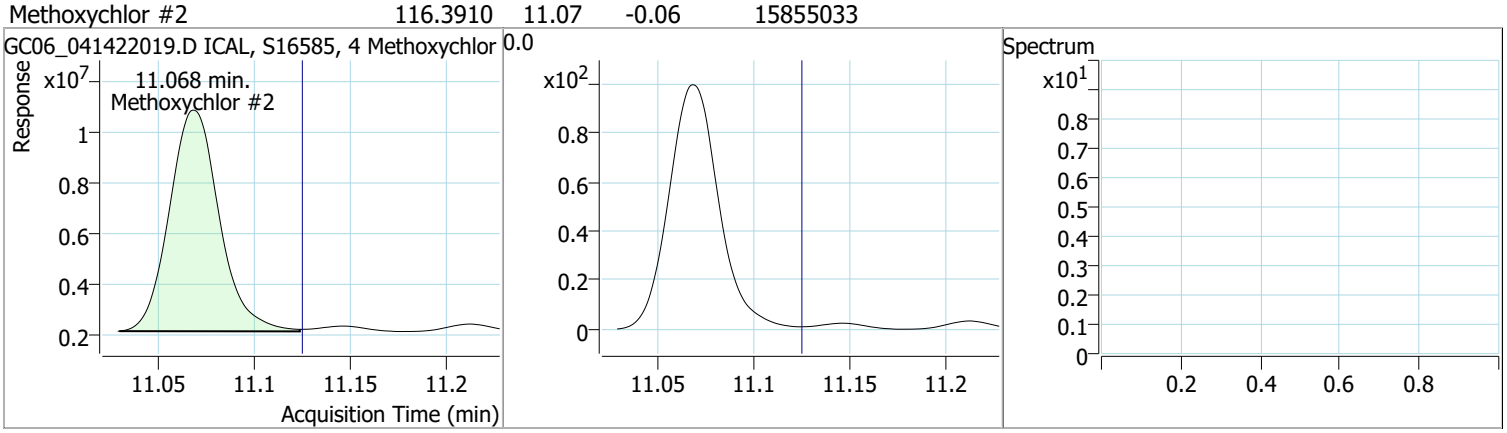
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	33.2100	10.77	-0.02	8033382			



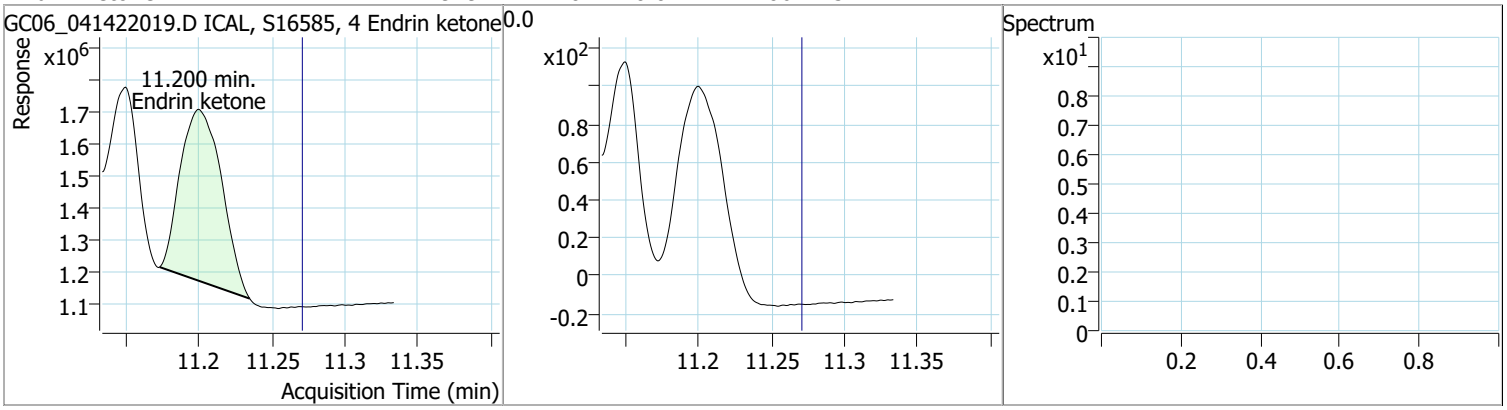
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	1.0879	10.86	-0.02	56701			



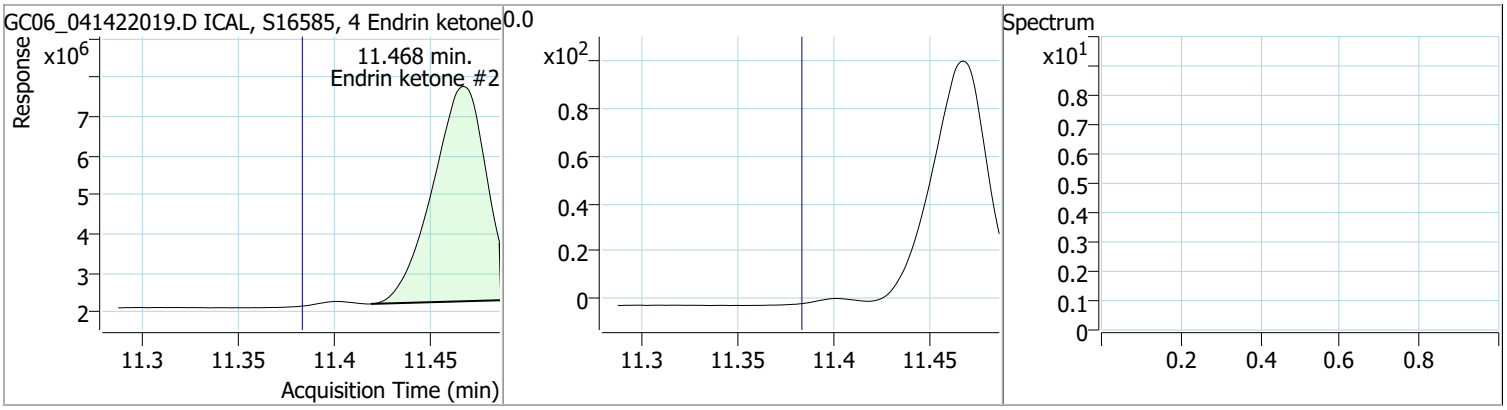
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	116.3910	11.07	-0.06	15855033			



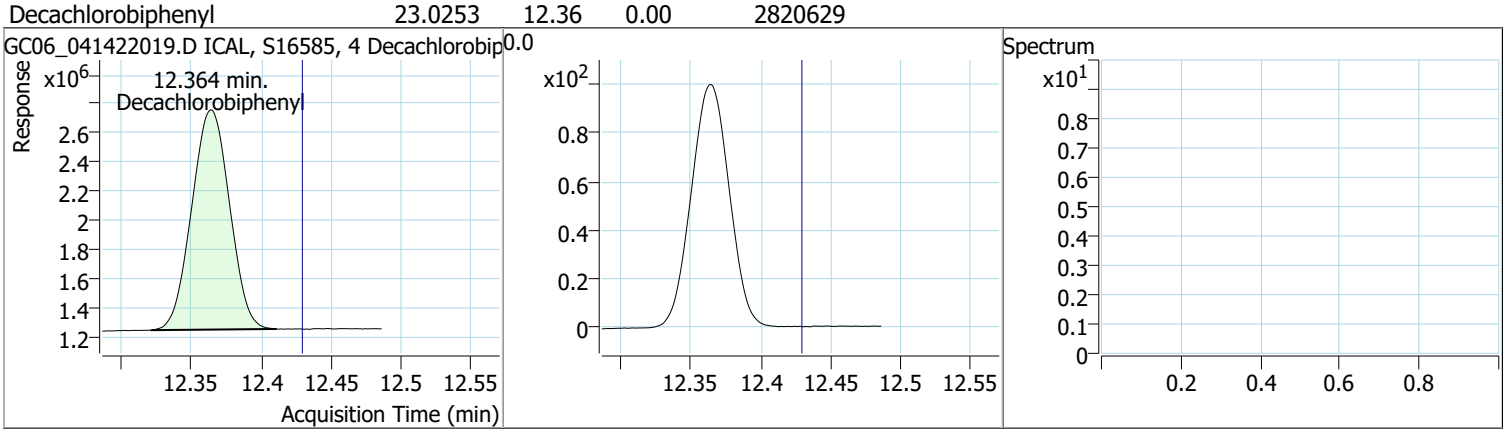
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	14.4919	11.20	-0.01	1061145			



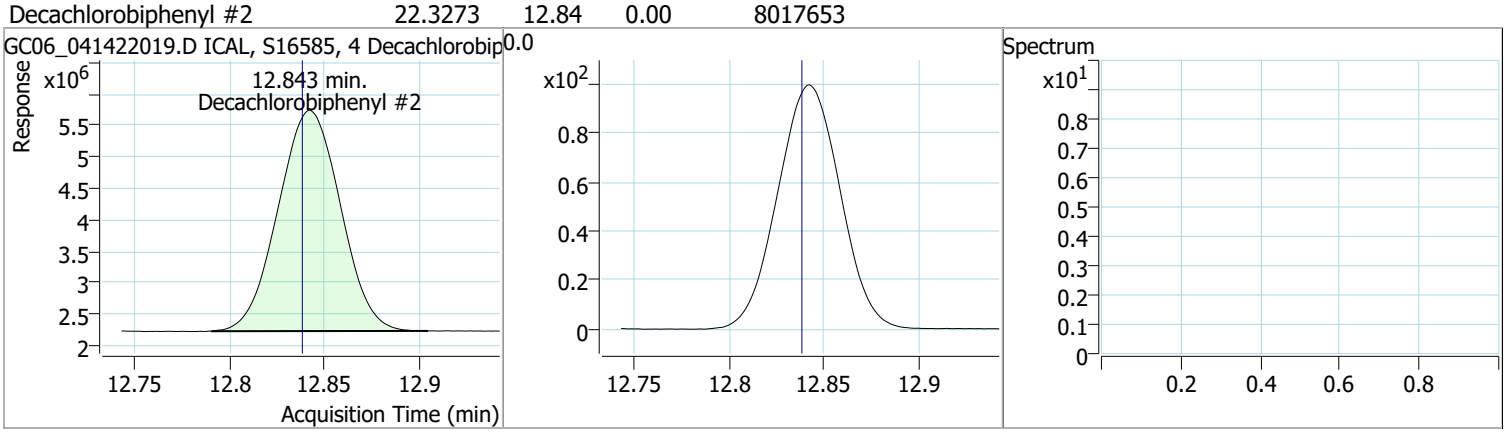
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	33.4941	11.47	0.08	10465973			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	23.0253	12.36	0.00	2820629			

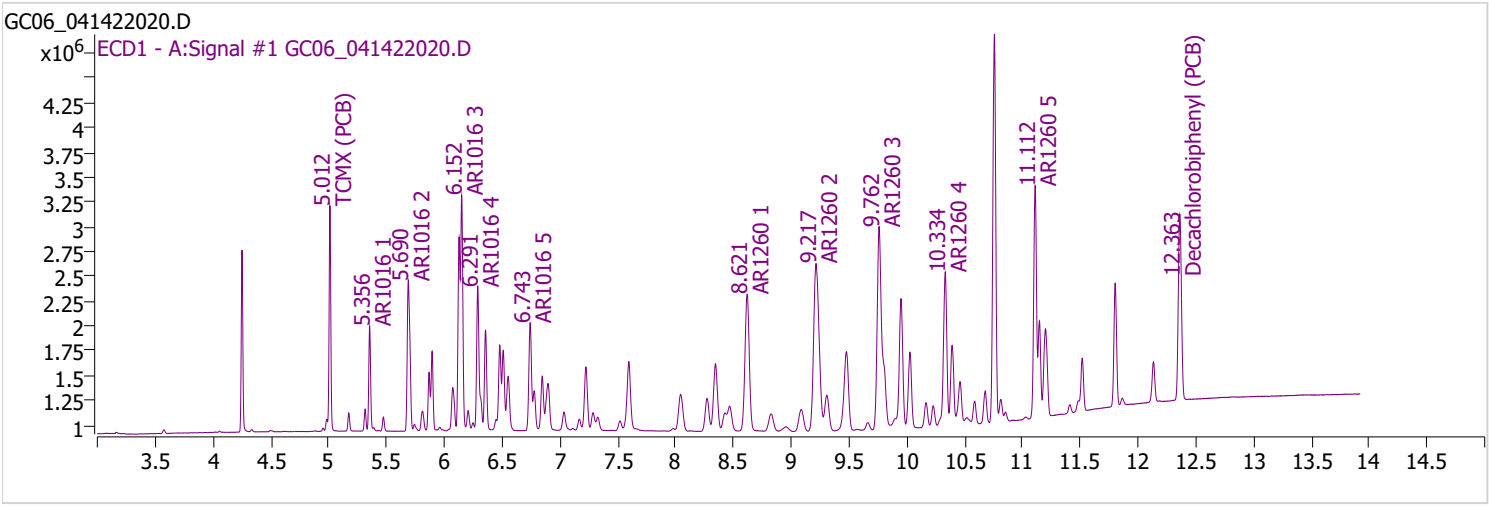


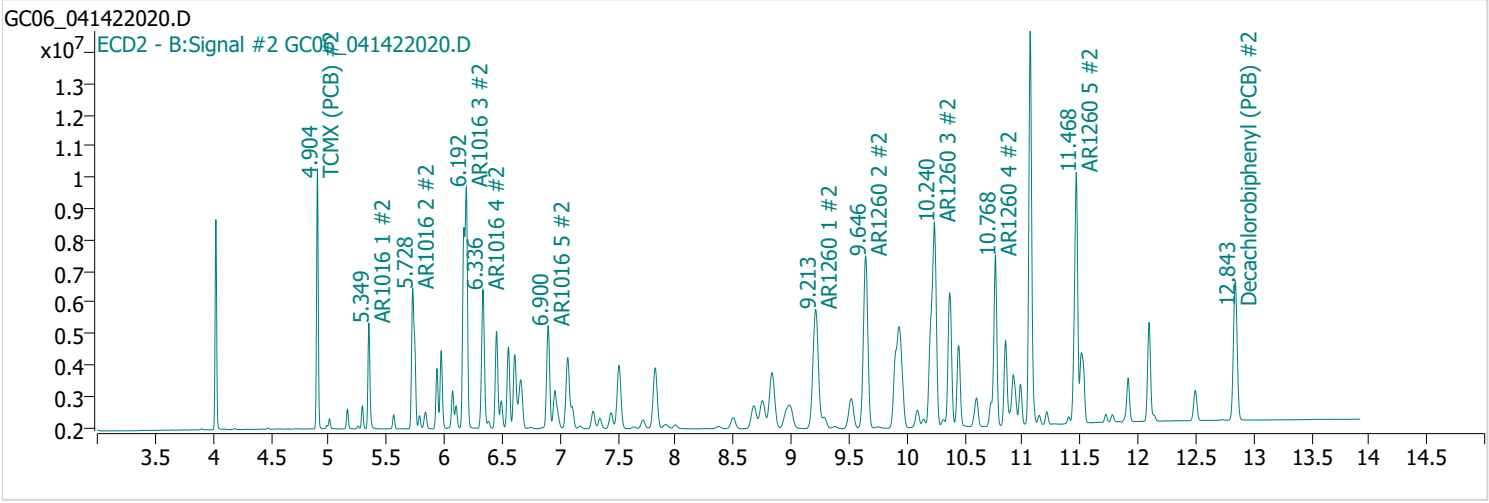
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	22.3273	12.84	0.00	8017653			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422020.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 8:09:10 PM
Sample Name	ICAL, S16585, 2.667	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 116	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



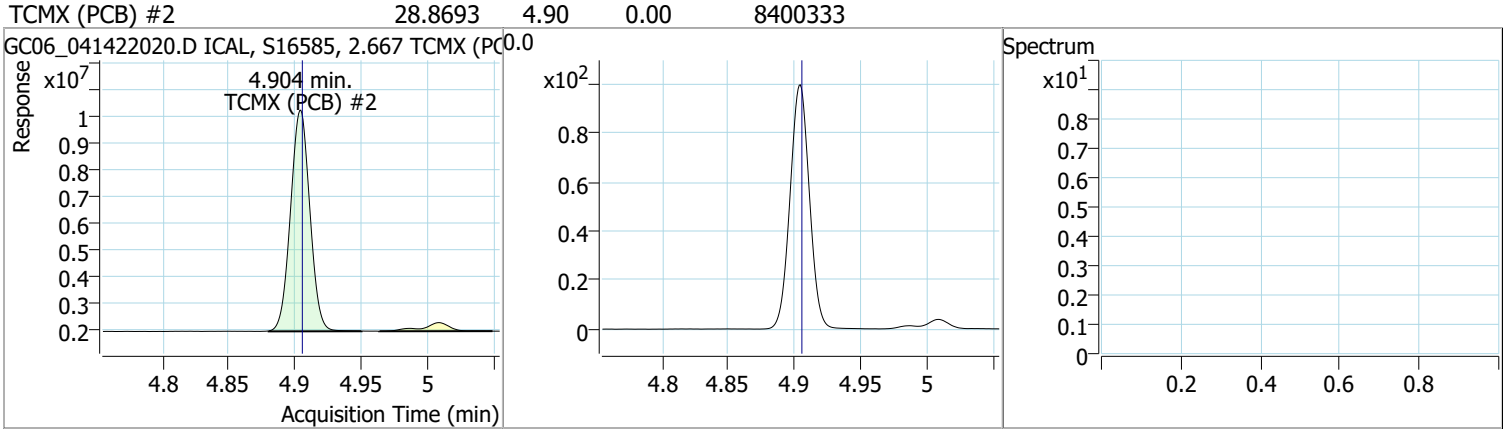


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.252	4.026	1763666	6352752	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.012	4.904	2330516	8400333	27.472	28.869	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	137.36%	144.35%	
S Decachlorobiphenyl (PCB)	12.363	12.843	3562364	10139248	26.565	26.450	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	132.83%	132.25%	
Target Compounds							
T AR1016 1	5.356	5.349	1182989	4107171	685.721	690.379	ng/ml
T AR1016 2	5.690	5.728	2494294	8581795	664.021	695.108	ng/ml
T AR1016 3	6.152	6.192	3076509	11225999 m	695.909	689.478	ng/ml
T AR1016 4	6.291	6.336	2275238	7617947	687.738	689.645	ng/ml
T AR1016 5	6.743	6.900	1716697	6004720	670.817	695.298	ng/ml
T AR1260 1	8.621	9.213	3611803	12566233 m	650.738	653.566	ng/ml
T AR1260 2	9.217	9.646	5576918	14609281	652.363	657.589	ng/ml
T AR1260 3	9.762	10.240	5970444 m	19985948	671.815	662.146	ng/ml
T AR1260 4	10.334	10.768	2920176	10976814	660.702	672.070	ng/ml

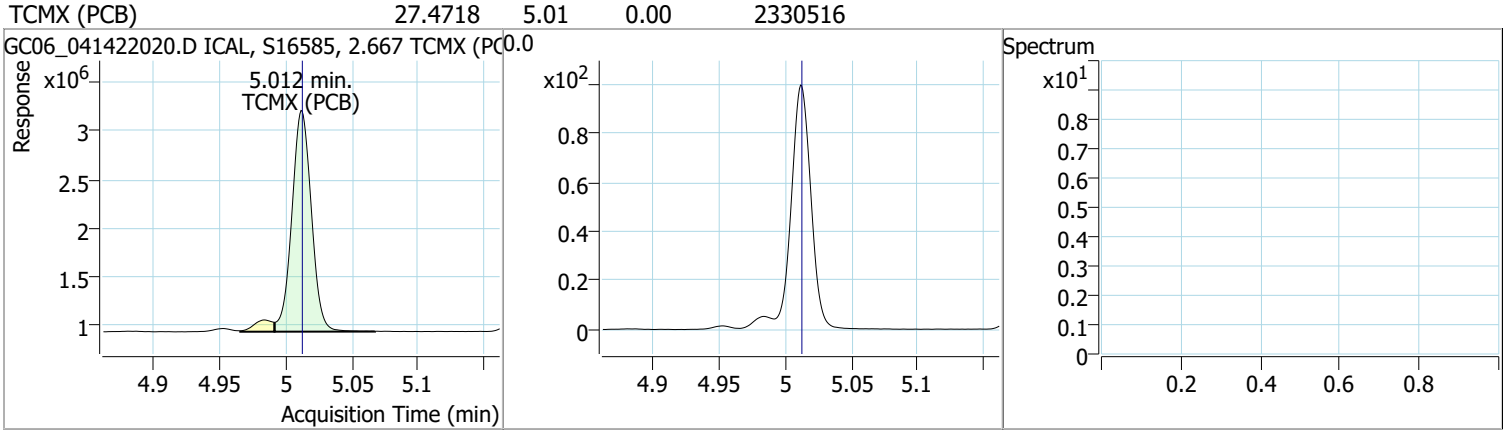
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.112	11.468	3951886	15787028	675.565	655.606	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

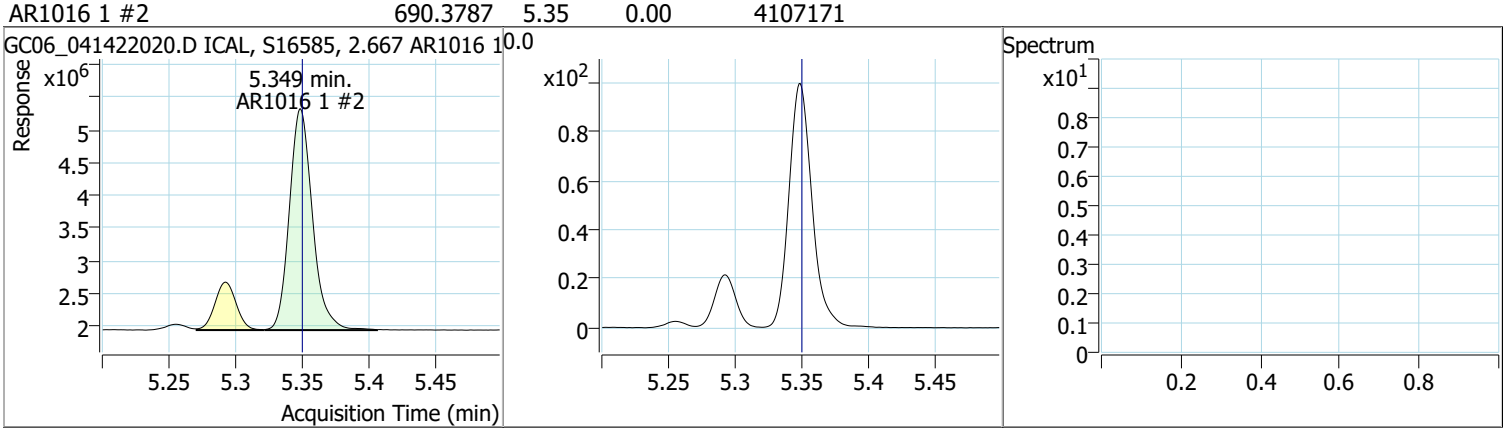
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	28.8693	4.90	0.00	8400333			



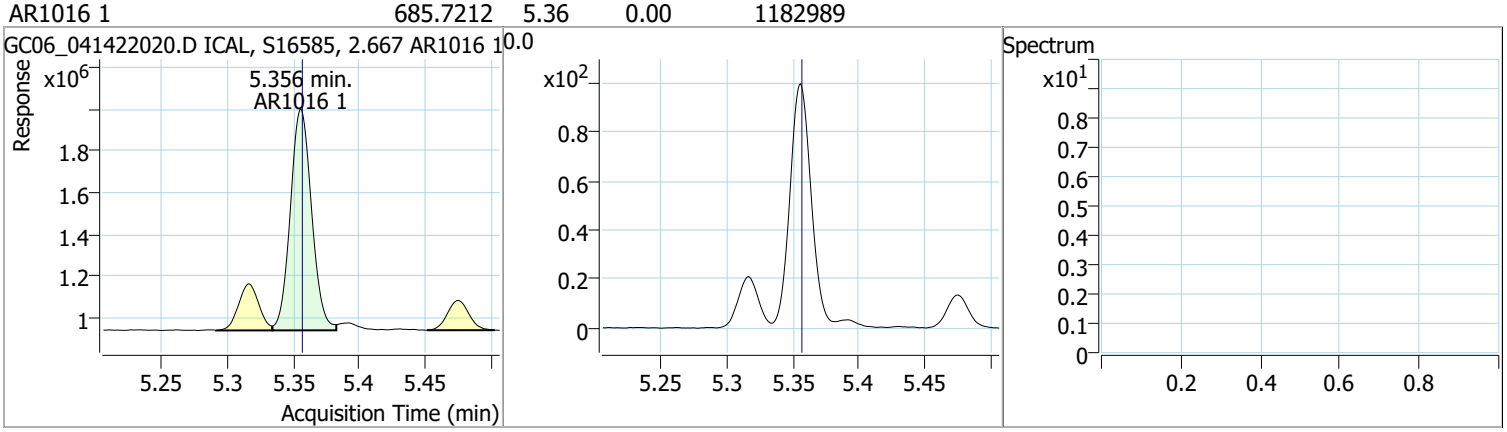
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	27.4718	5.01	0.00	2330516			



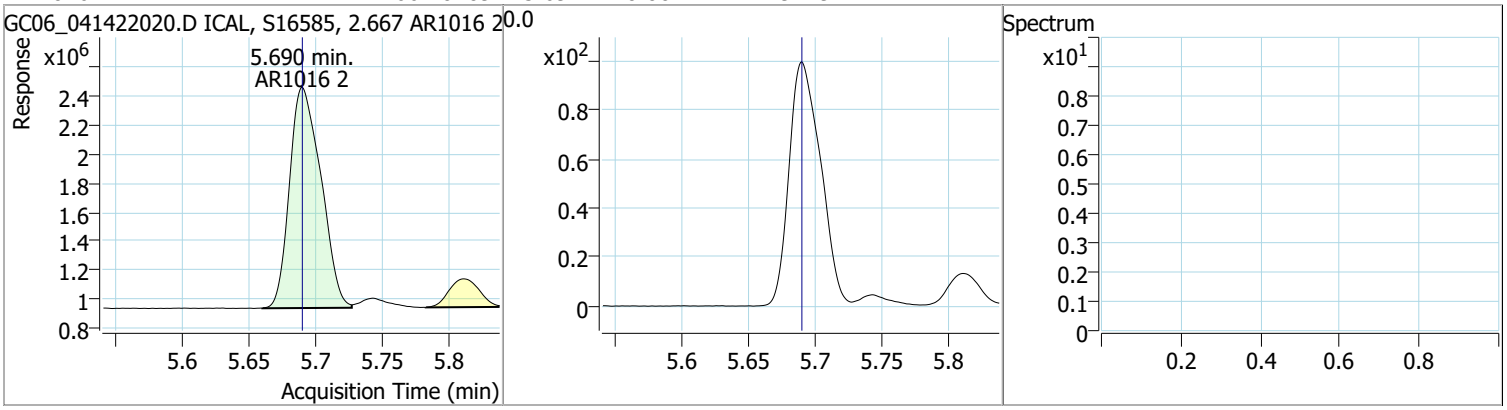
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	690.3787	5.35	0.00	4107171			



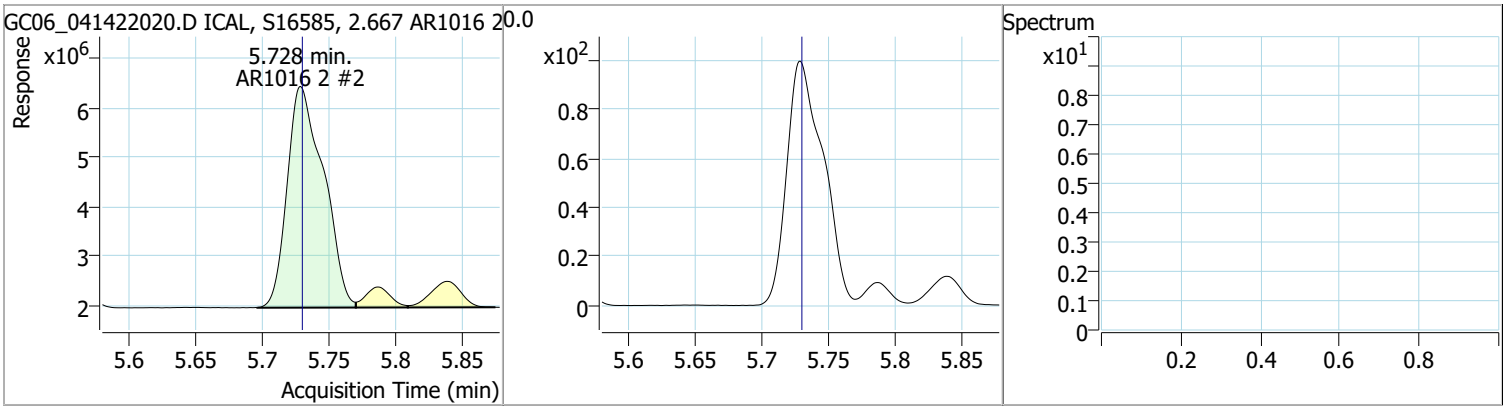
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	685.7212	5.36	0.00	1182989			



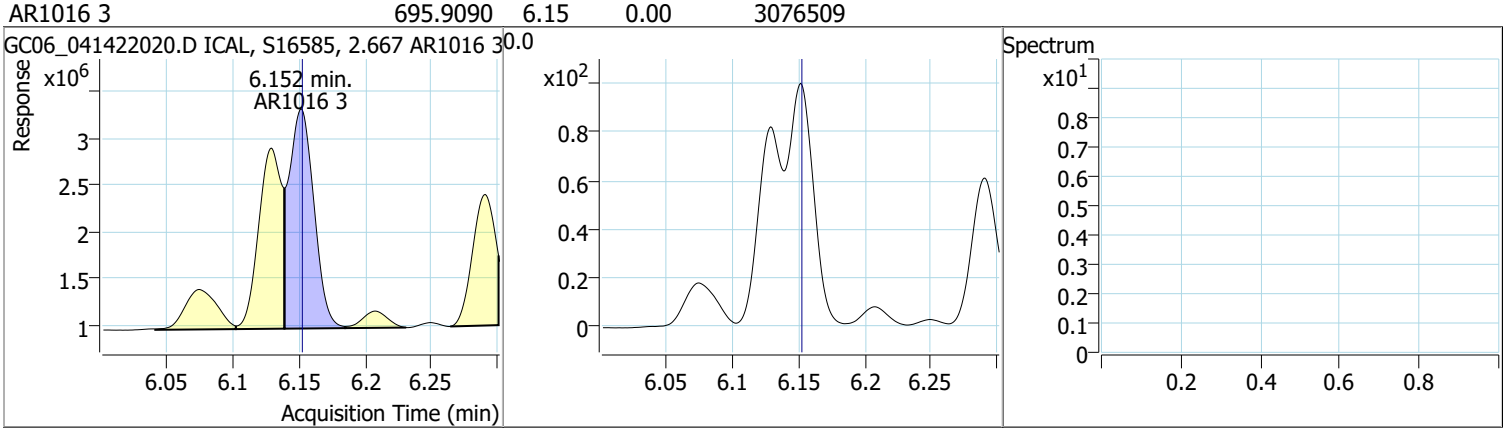
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	664.0209	5.69	0.00	2494294			



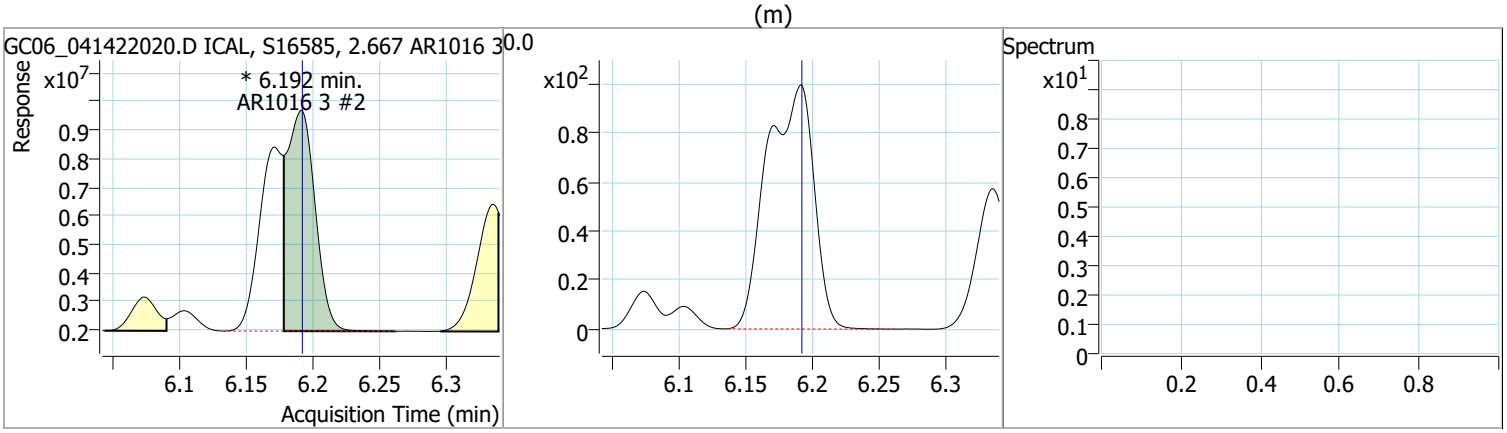
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	695.1082	5.73	0.00	8581795			



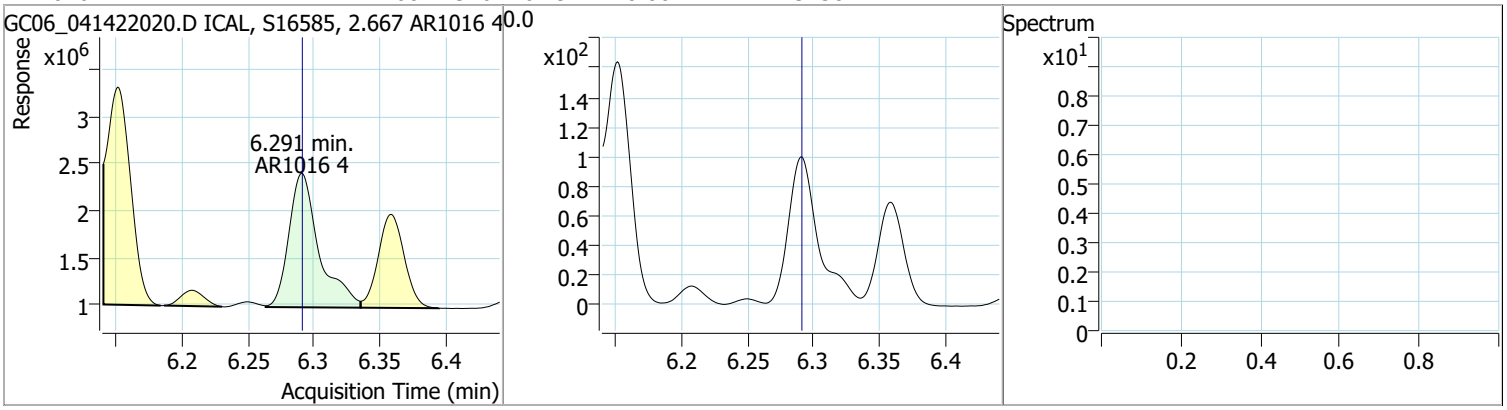
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	695.9090	6.15	0.00	3076509			



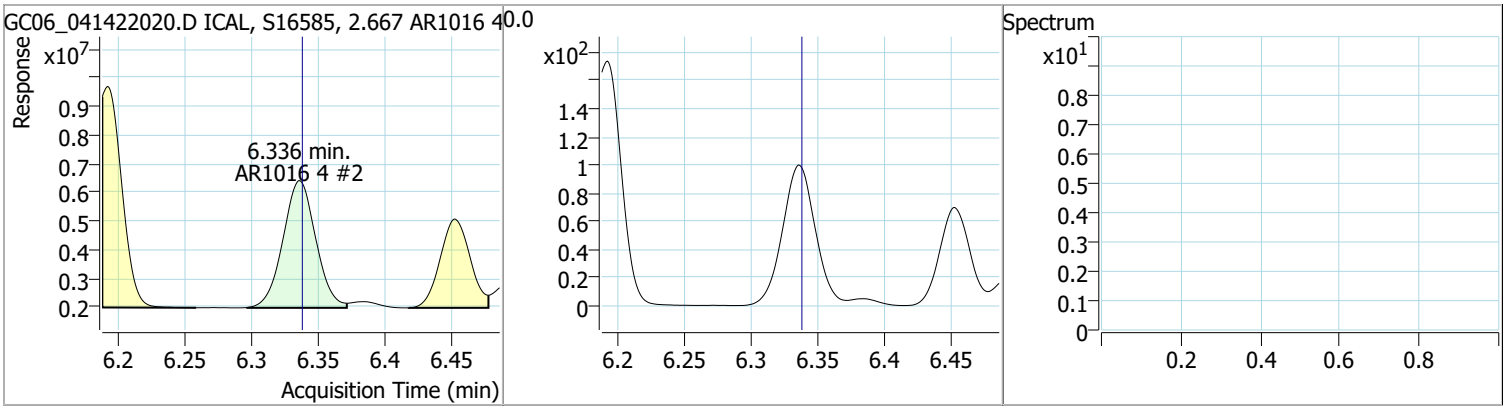
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	689.4777	6.19	0.00	11225999 (m)			



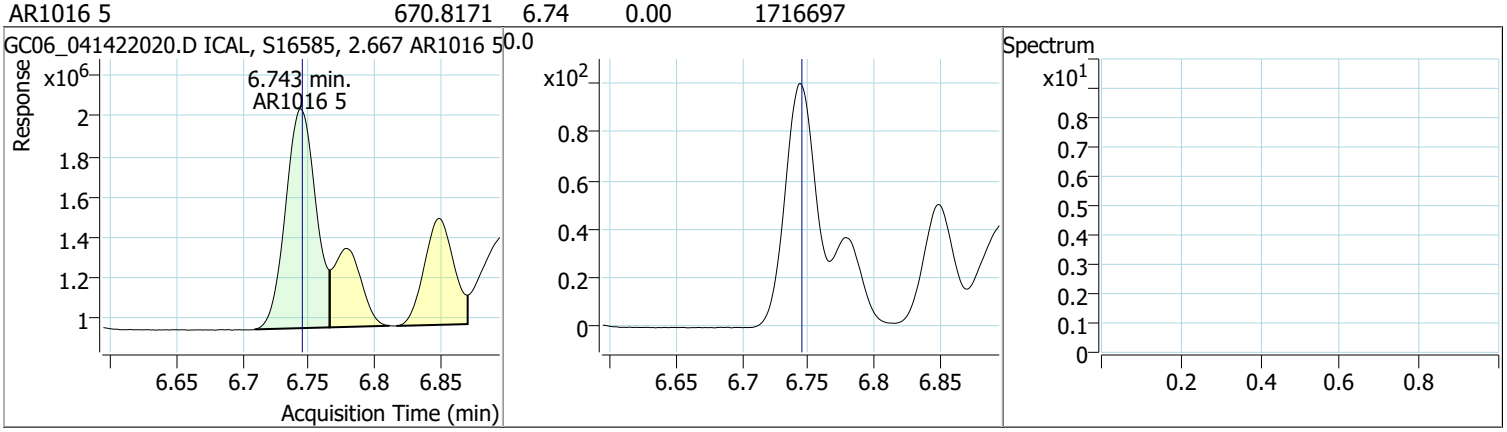
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	687.7376	6.29	0.00	2275238			



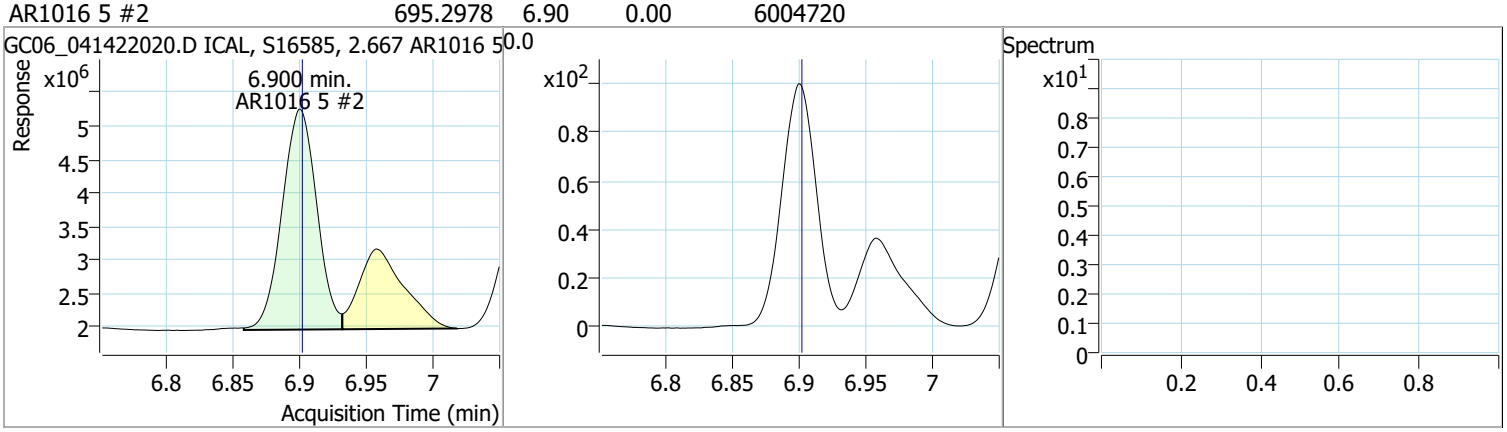
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	689.6447	6.34	0.00	7617947			



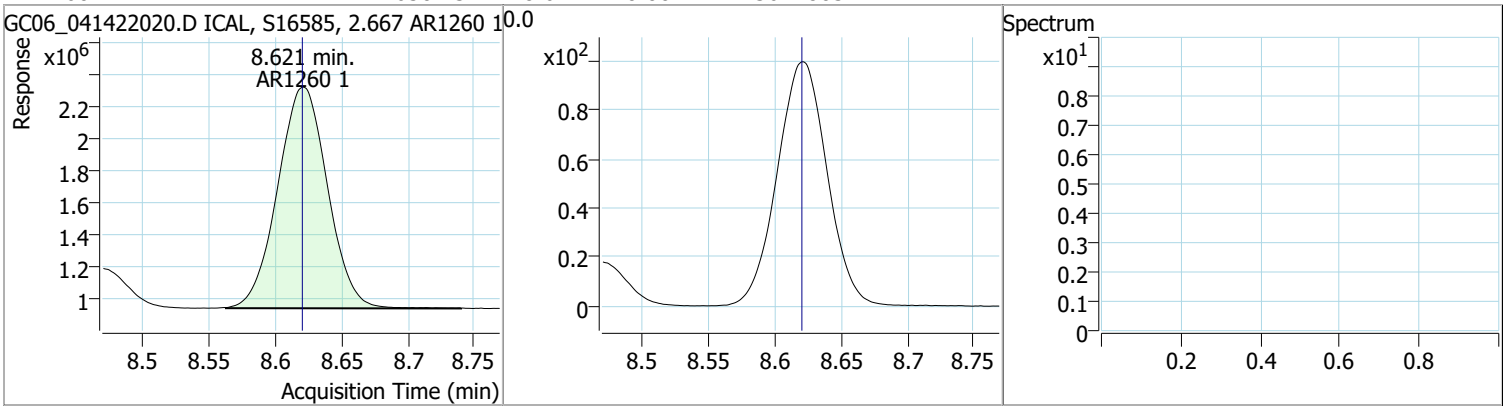
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	670.8171	6.74	0.00	1716697			



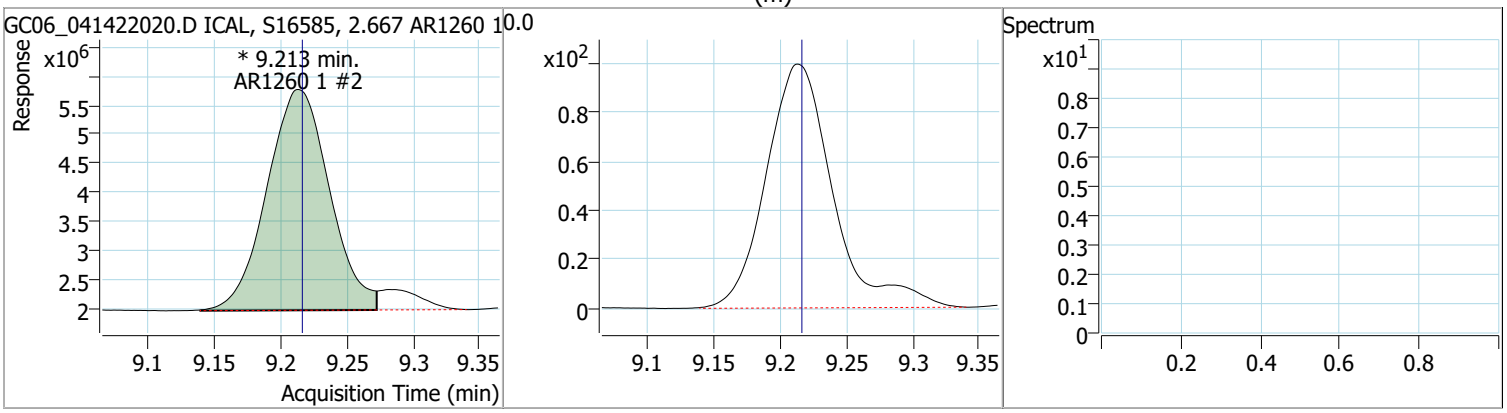
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	695.2978	6.90	0.00	6004720			



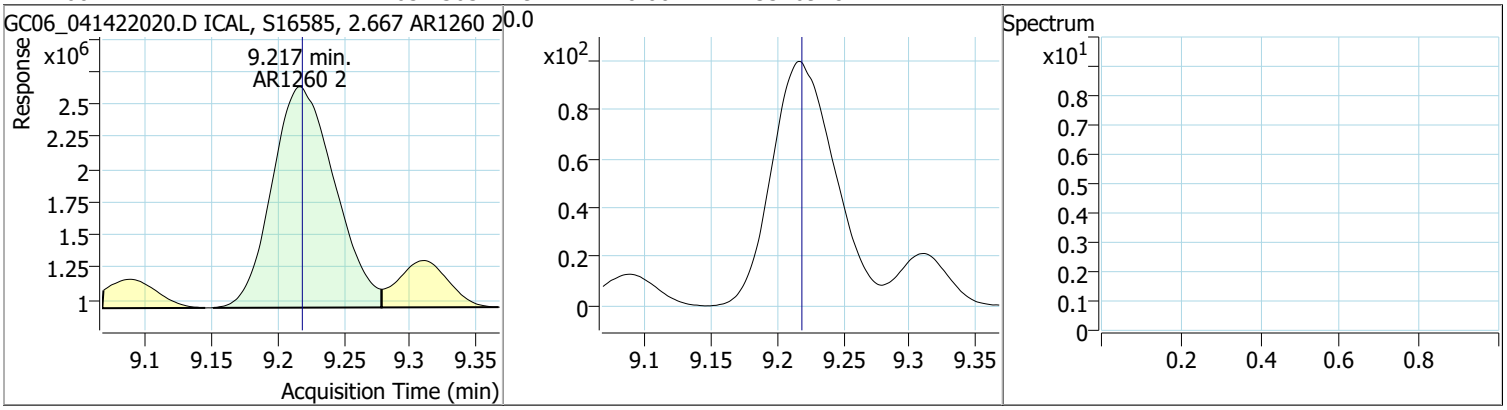
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	650.7377	8.62	0.00	3611803			



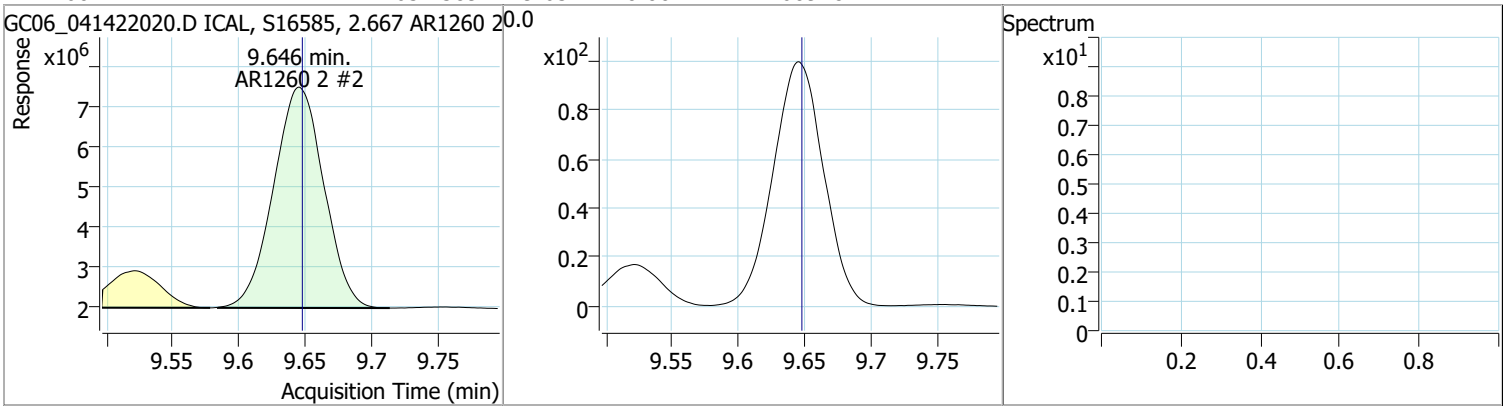
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	653.5660	9.21	0.00	12566233 (m)			



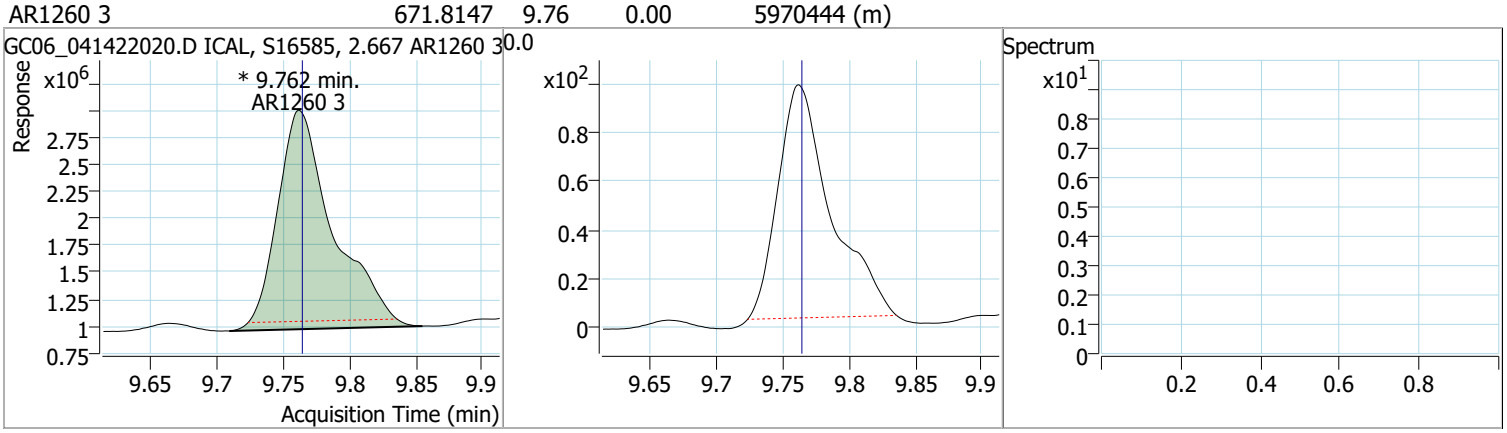
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	652.3634	9.22	0.00	5576918			



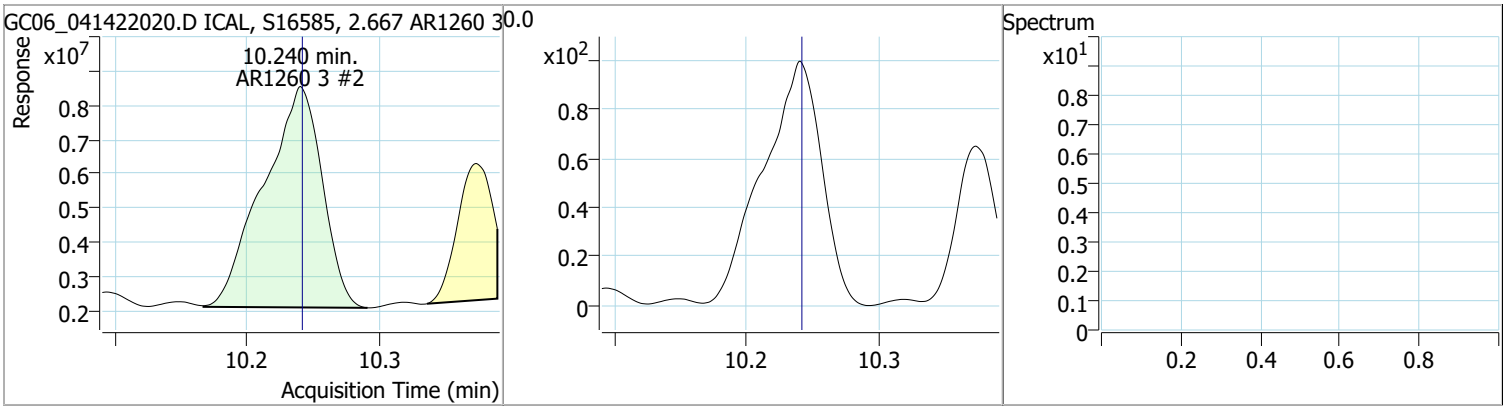
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	657.5894	9.65	0.00	14609281			



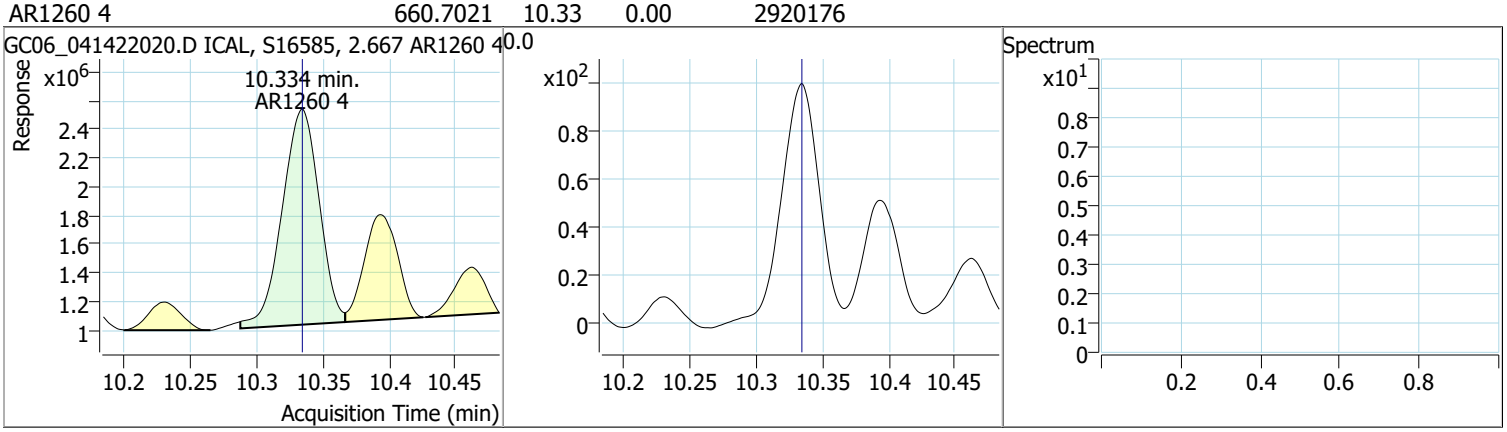
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	671.8147	9.76	0.00	5970444 (m)			



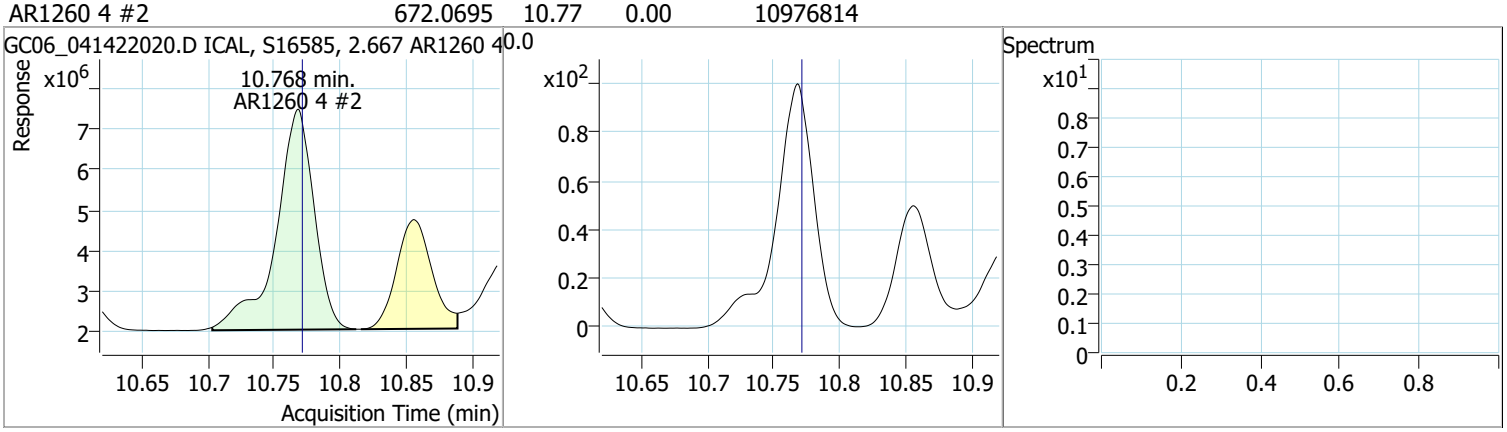
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	662.1464	10.24	0.00	19985948			



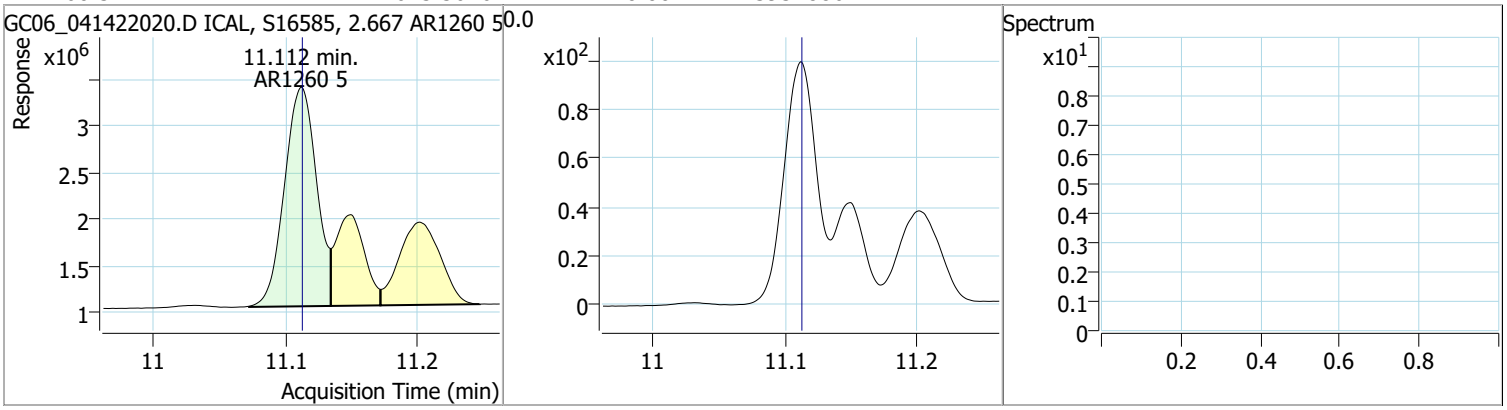
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	660.7021	10.33	0.00	2920176			



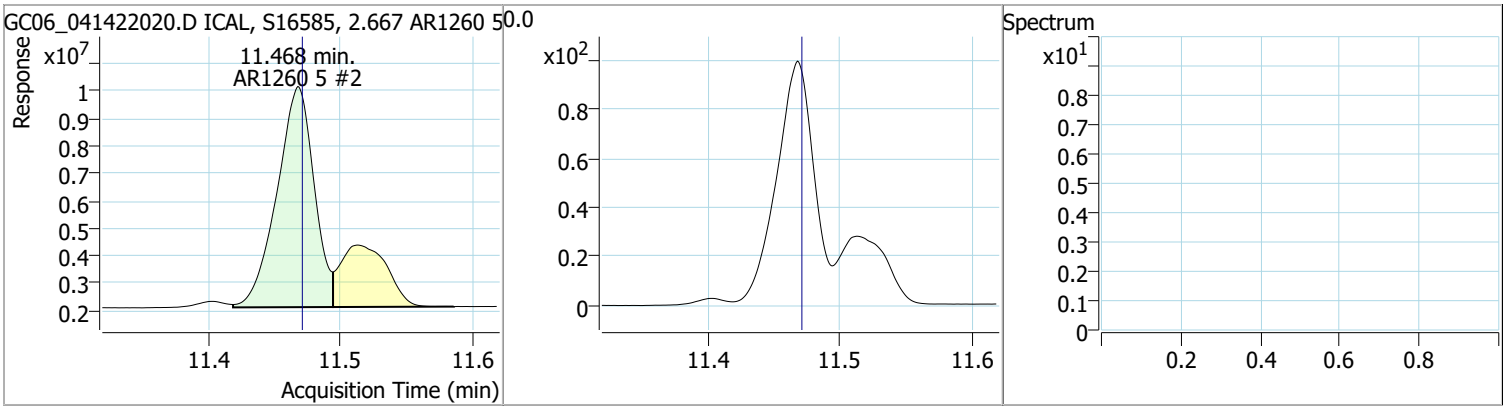
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	672.0695	10.77	0.00	10976814			



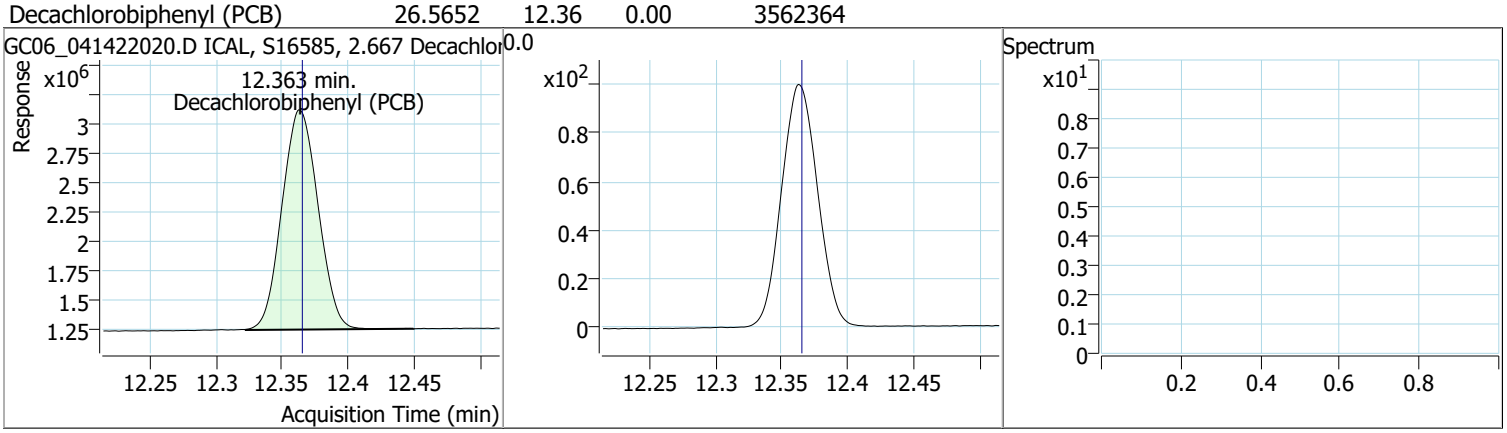
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	675.5646	11.11	0.00	3951886			



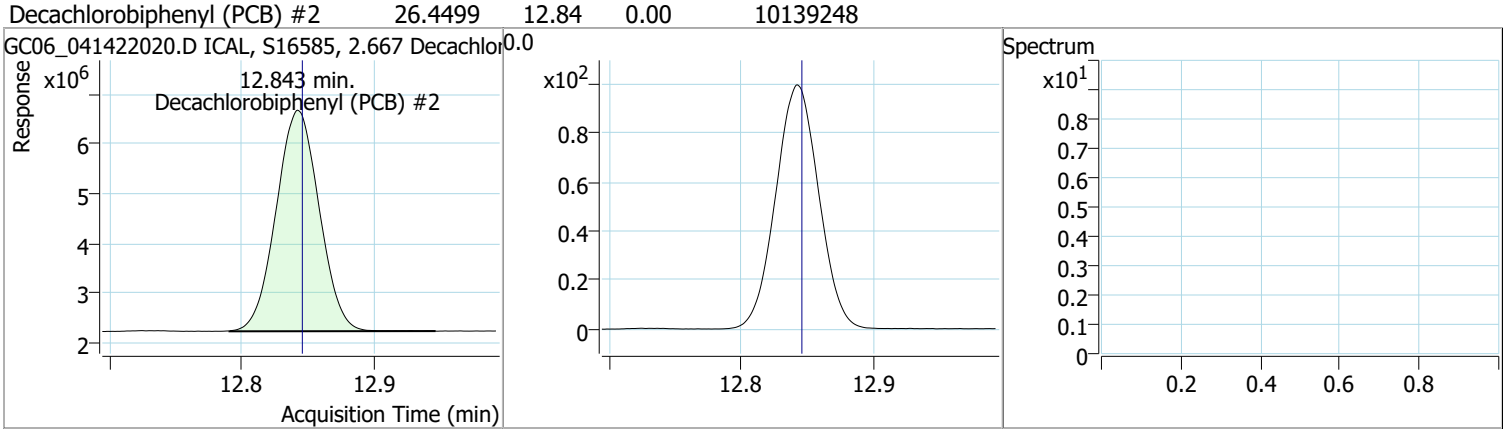
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	655.6056	11.47	0.00	15787028			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	26.5652	12.36	0.00	3562364			

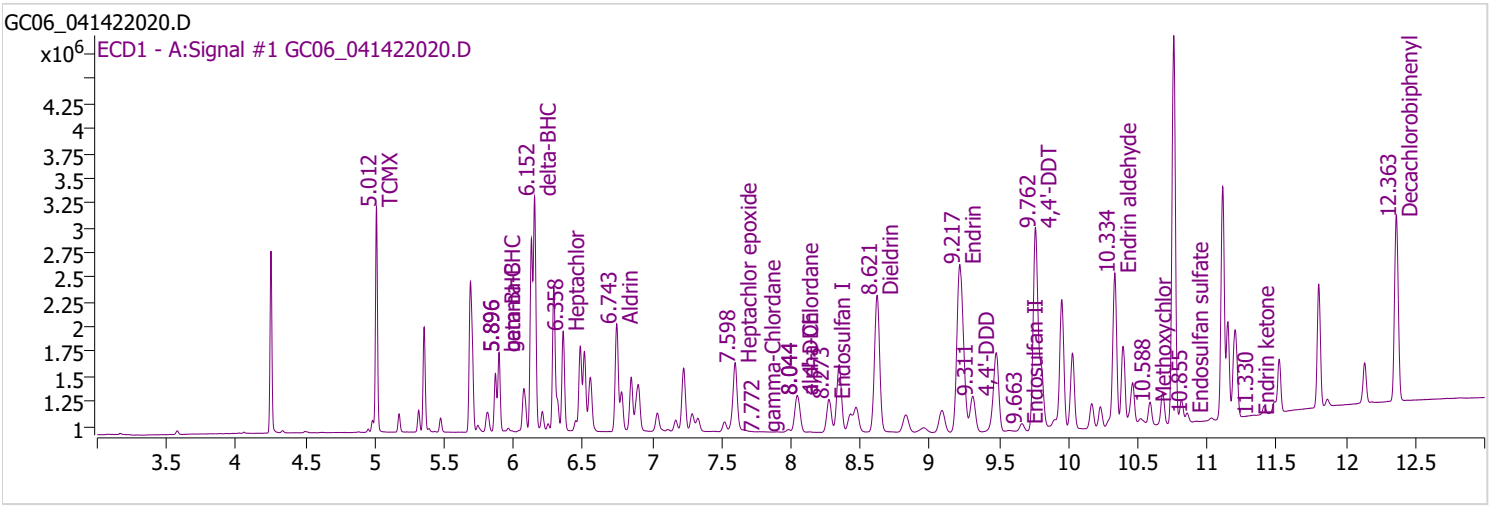


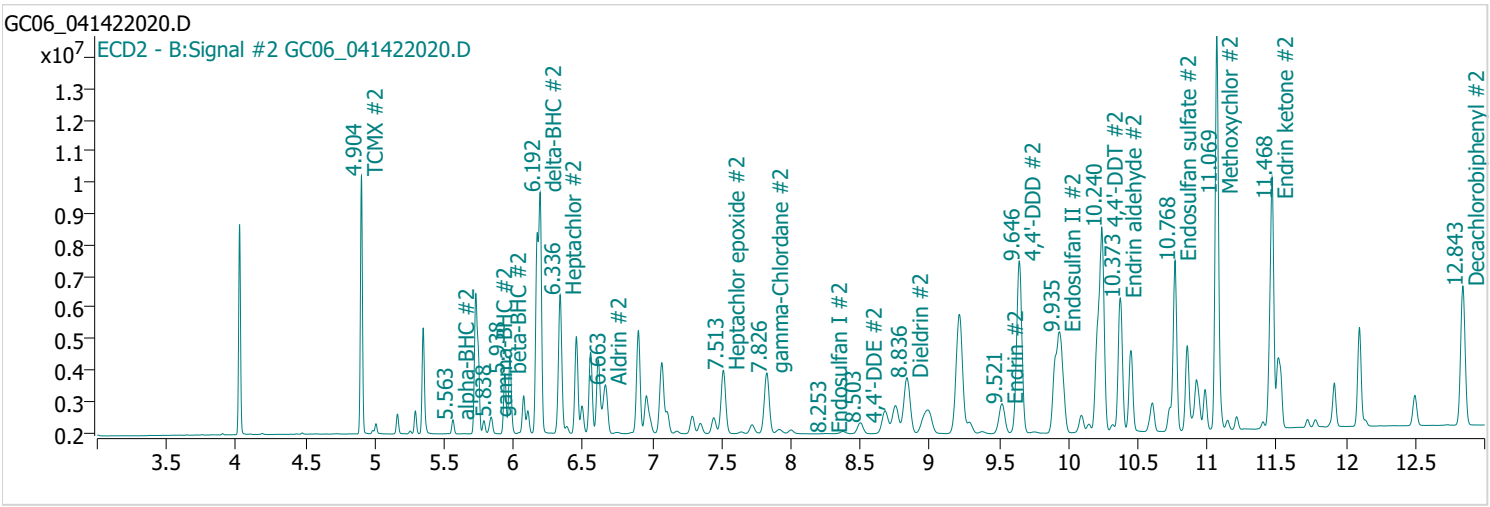
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	26.4499	12.84	0.00	10139248			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422020.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 8:09:10 PM
Sample Name	ICAL, S16585, 2.667	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 116	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 8:23:27 PM



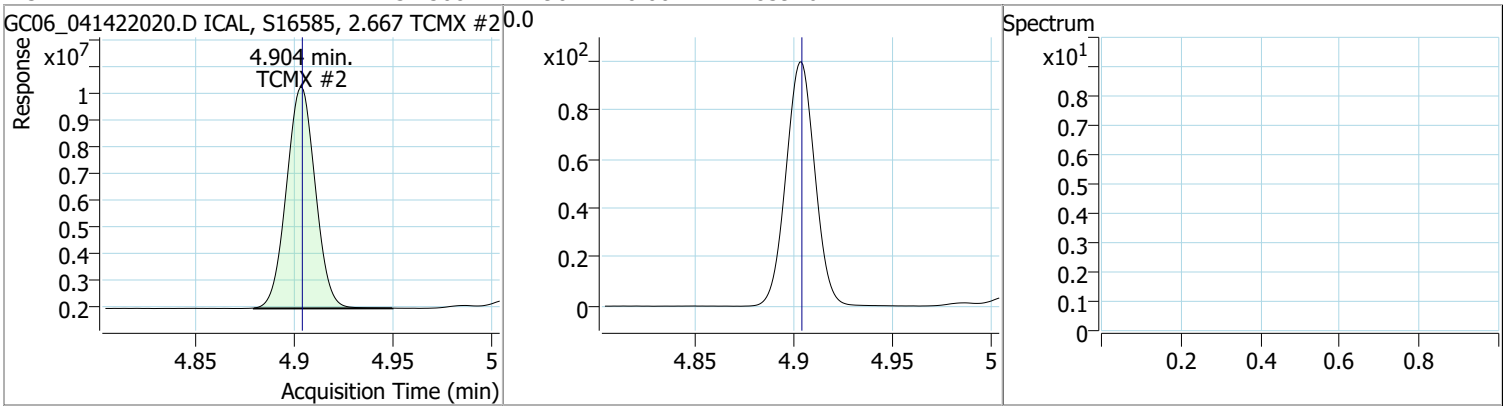


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.252	4.026	1755139	6346018	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.012	4.904	2333042	8394614	29.835	31.508	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	149.17%	157.54% *	
S Decachlorobiphenyl	12.363	12.843	3553731	10117201	29.847	28.820	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	149.24%	144.10%	
Target Compounds							
T alpha-BHC	----	5.563 f	0	503087	N.D.	2.224 #	ng/ml
T gamma-BHC	5.896	5.838	935894	773059	13.256	3.361 #	ng/ml
T beta-BHC	5.896	5.938	925269	2485893	25.132	17.990 #	ng/ml
T delta-BHC	6.152	6.192	3026787	19000584	30.597	39.301 #	ng/ml
T Heptachlor	6.358	6.336	1226394	7617947	16.400	23.464 #	ng/ml
T Aldrin	6.743	6.663 f	1717976	3438770	21.221	14.068 #	ng/ml
T Heptachlor epoxide	7.598	7.513	1462618	4285912	18.875	16.348	ng/ml
T gamma-Chlordane	7.772	7.826	3035	4735328	0.053	16.618 #	ng/ml
T alpha-Chlordane	8.044	----	588280	0	9.534	N.D. #	ng/ml

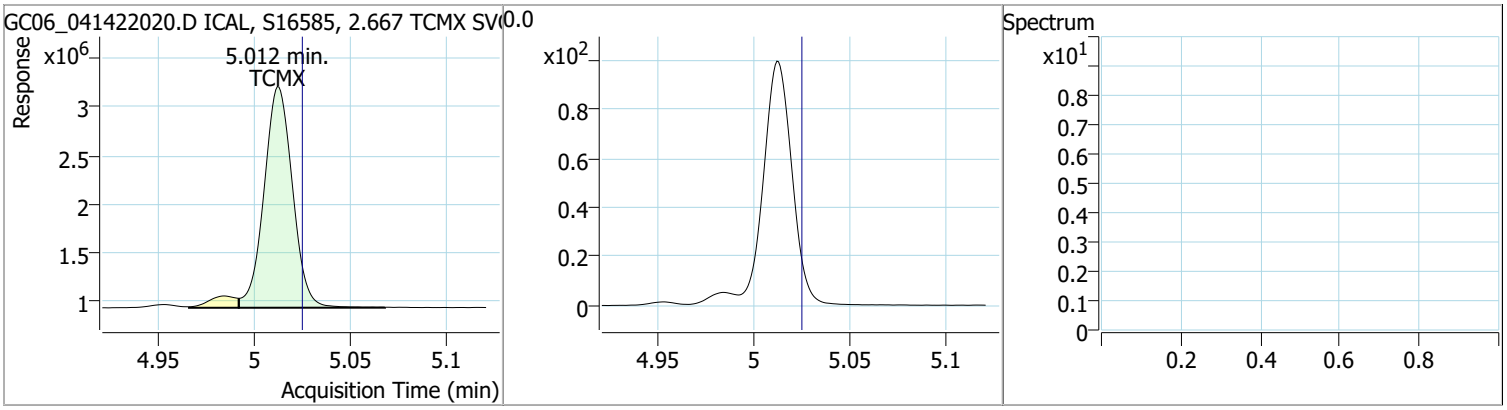
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.273	8.253	752549	18720	12.818	0.099 #	ng/ml
T 4,4'-DDE	8.044	8.503 f	918708	914575	15.267	4.975 #	ng/ml
T Dieldrin	8.621	8.836	3602536	4987733	43.953	22.196 #	ng/ml
T Endrin	9.217	9.521	5149660	2892006	58.571	14.675 #	ng/ml
T 4,4'-DDD	9.311	9.646 f	555403	13255716	12.678	63.908 #	ng/ml
T Endosulfan II	9.663	9.935 f	154699	13733433	2.793	48.777 #	ng/ml
T 4,4'-DDT	9.762	10.240	5781197	19867154	83.139	61.744 #	ng/ml
T Endrin aldehyde	10.334	10.373	2722503	8532275	47.858	42.483	ng/ml
T Endosulfan sulfate	10.855	10.768	76622	10983606	1.570	46.822 #	ng/ml
T Methoxychlor	10.588	11.069 f	361008	21812588	12.128	166.762 #	ng/ml
T Endrin ketone	11.330	11.468 f	397876	14584668	5.784	48.408 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

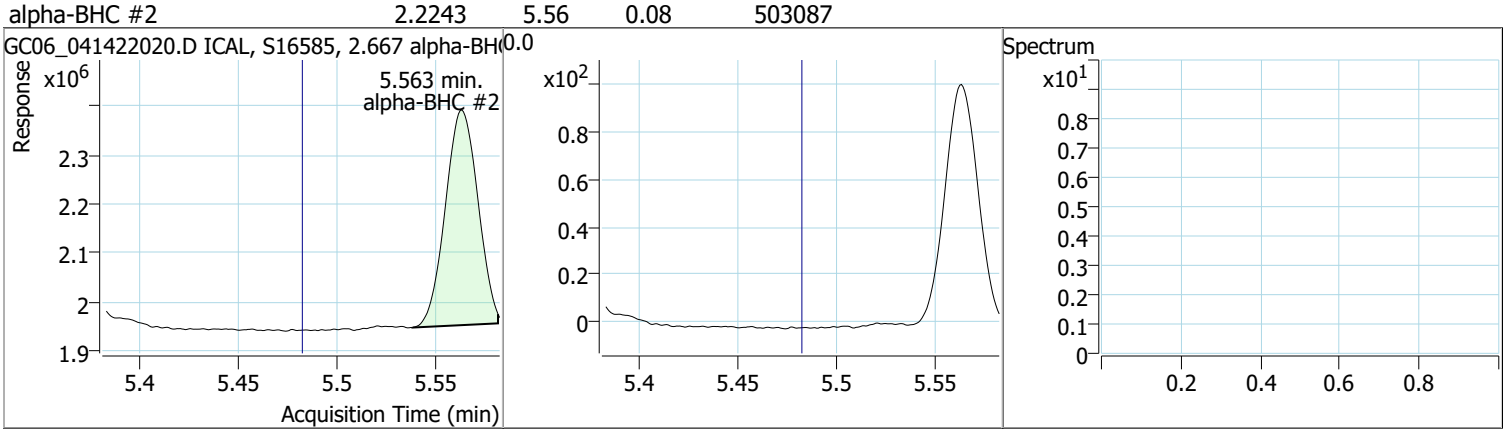
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	31.5084	4.90	0.00	8394614			



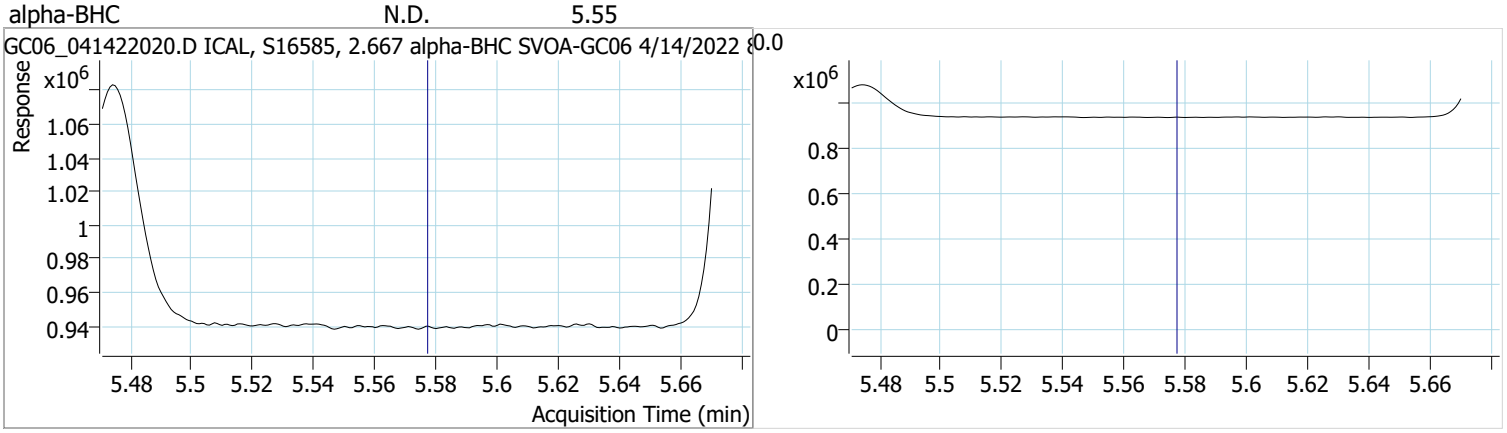
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	29.8347	5.01	0.01	2333042			



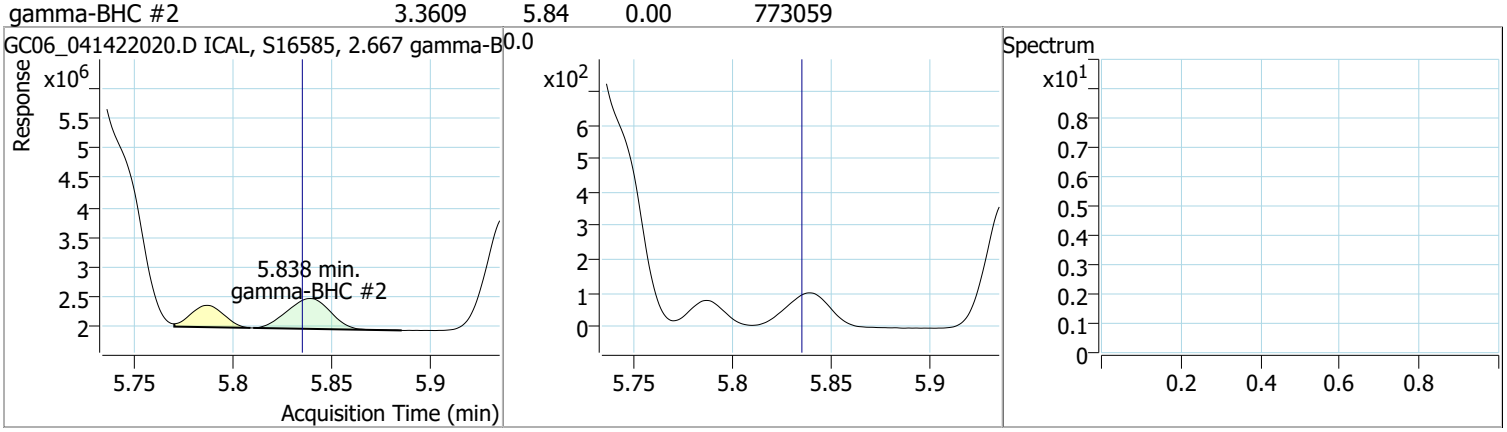
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	2.2243	5.56	0.08	503087			



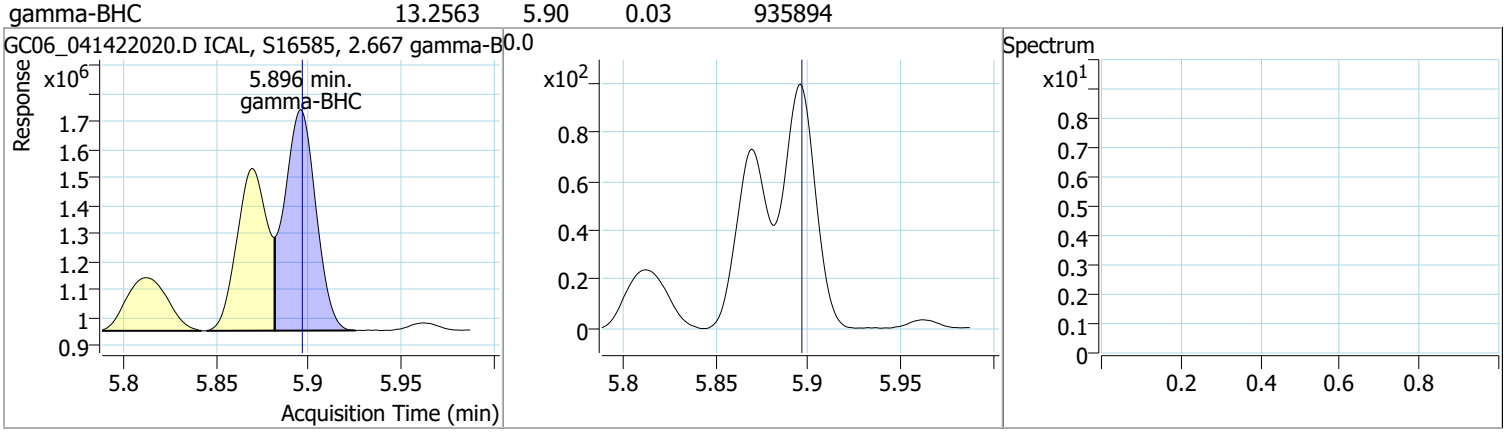
Compound	Conc.		Exp Ratio
alpha-BHC	N.D.	5.55	



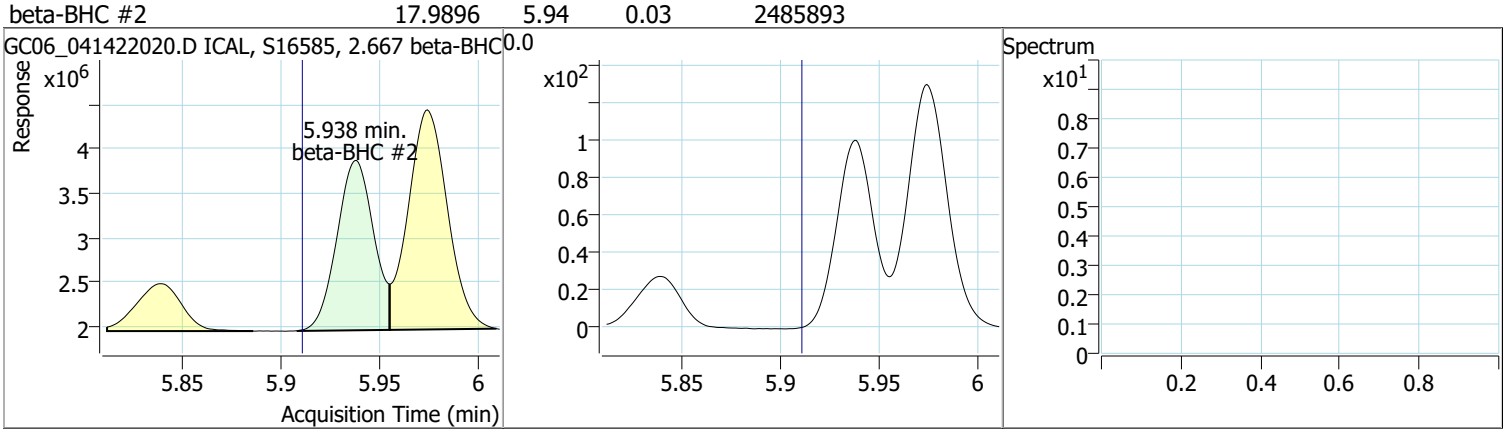
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	3.3609	5.84	0.00	773059			



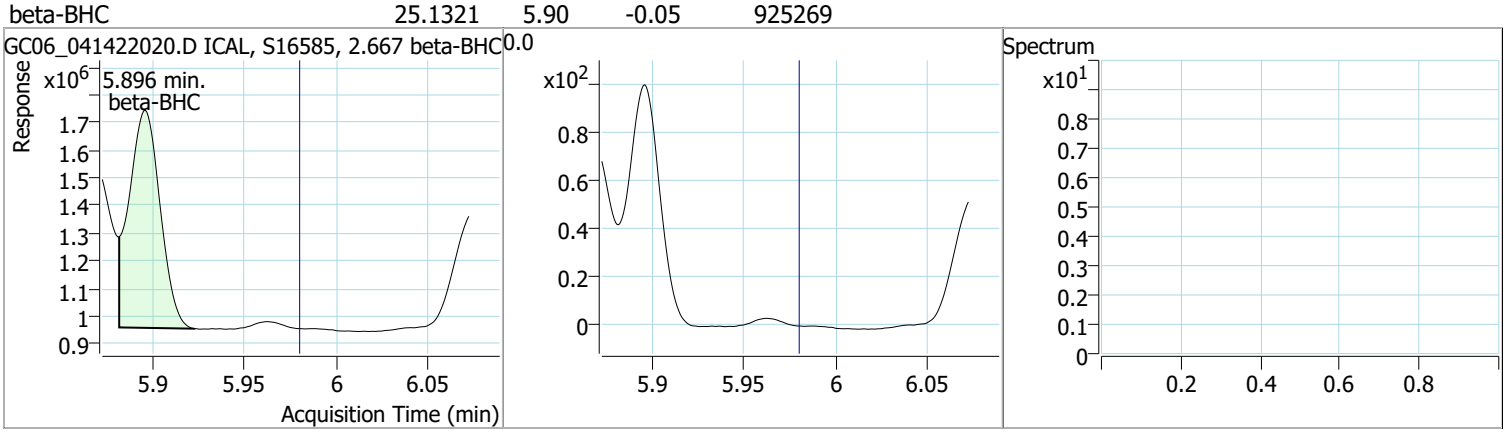
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	13.2563	5.90	0.03	935894			



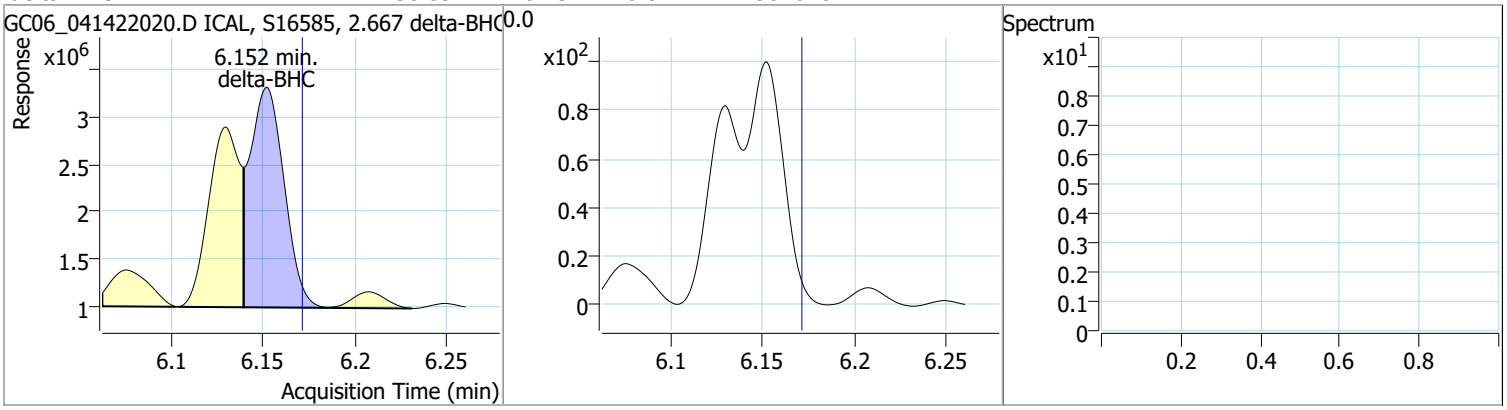
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	17.9896	5.94	0.03	2485893			



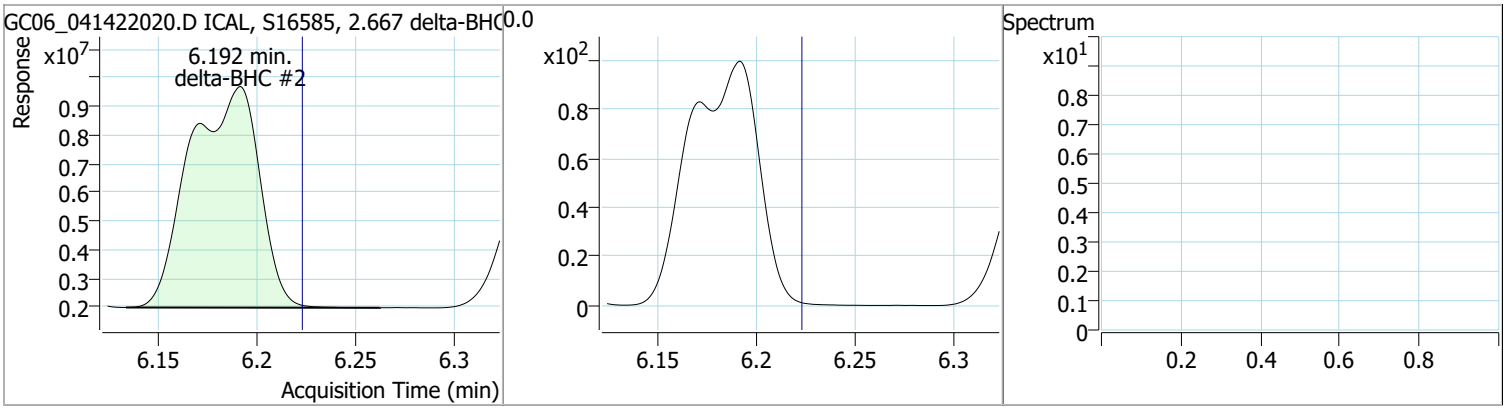
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	25.1321	5.90	-0.05	925269			



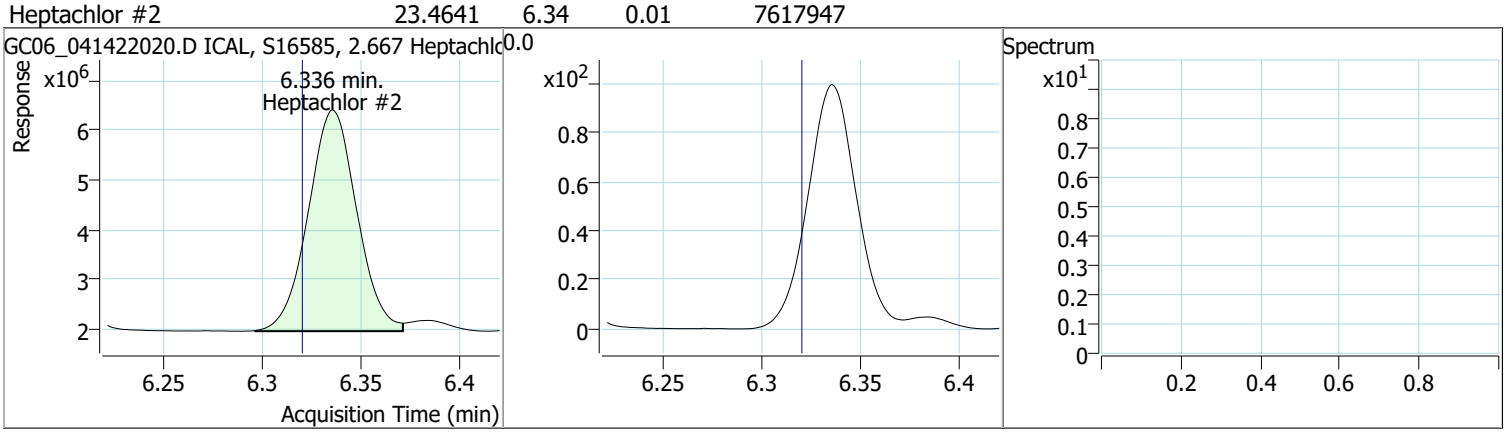
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	30.5974	6.15	0.01	3026787			



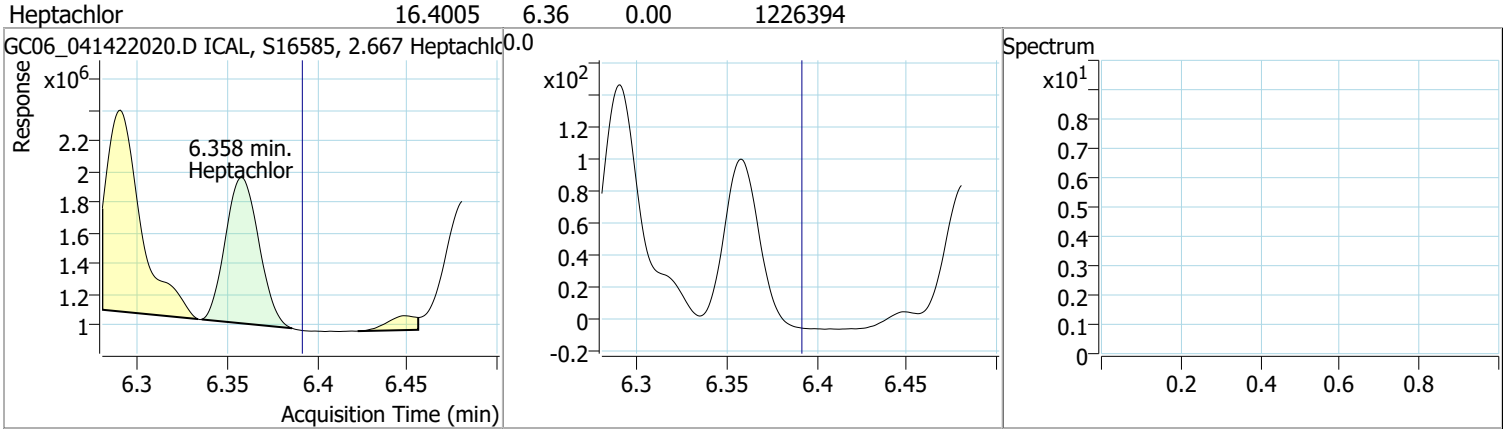
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	39.3011	6.19	-0.03	19000584			



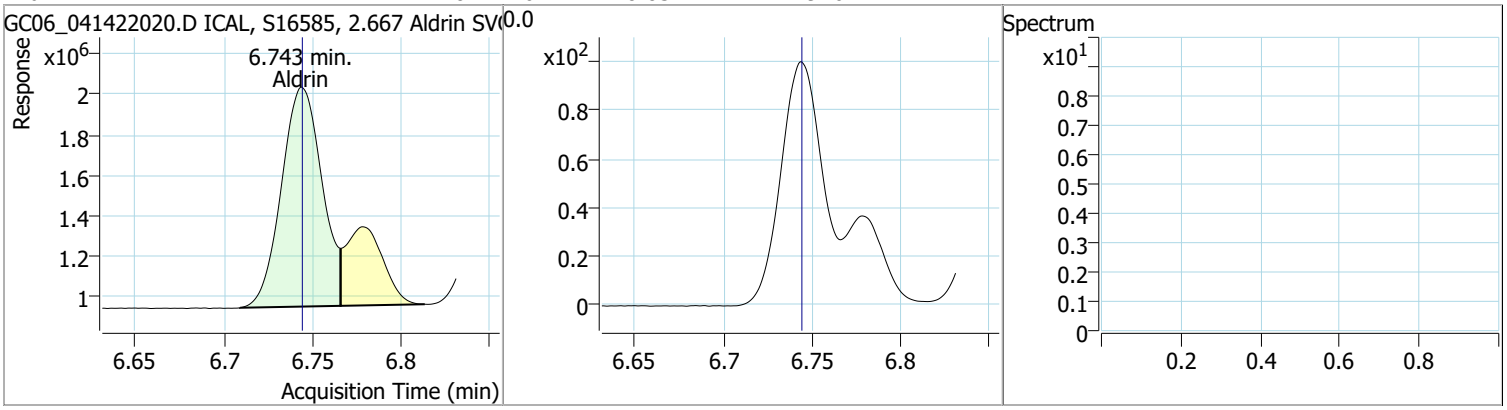
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	23.4641	6.34	0.01	7617947			



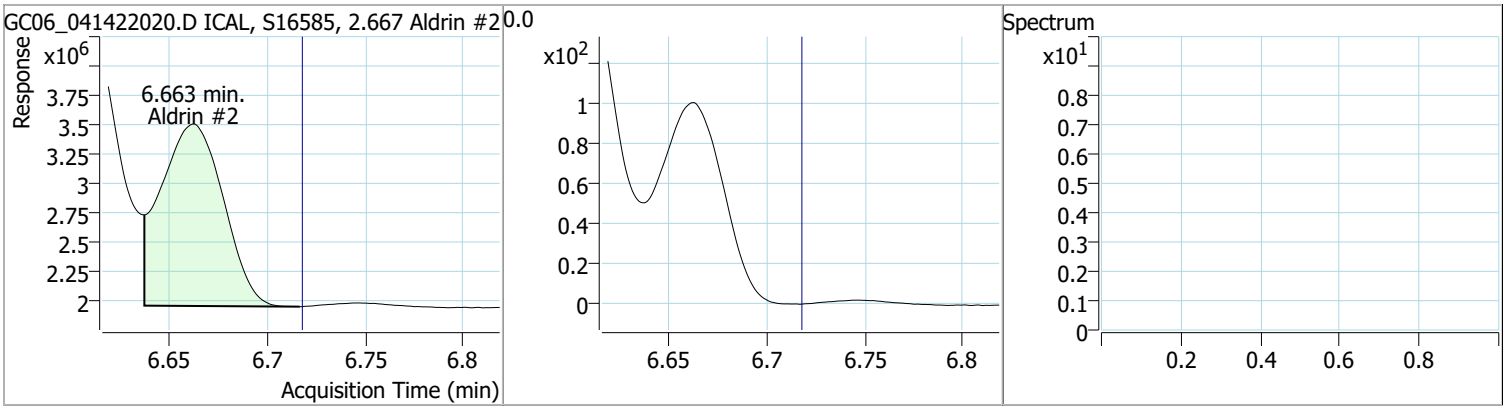
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	16.4005	6.36	0.00	1226394			



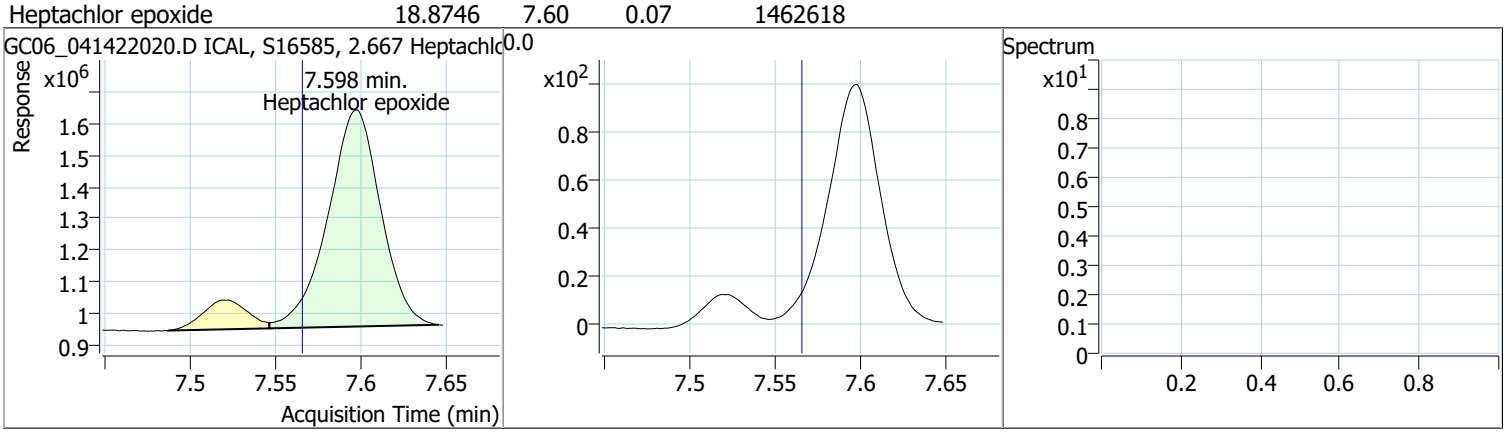
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	21.2207	6.74	0.03	1717976			



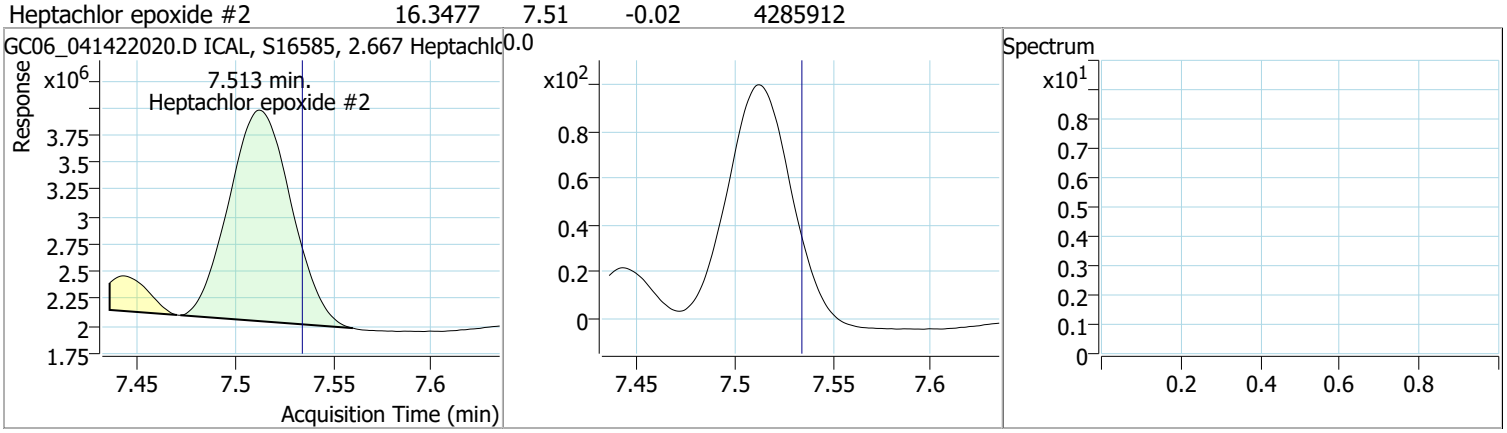
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	14.0681	6.66	-0.06	3438770			



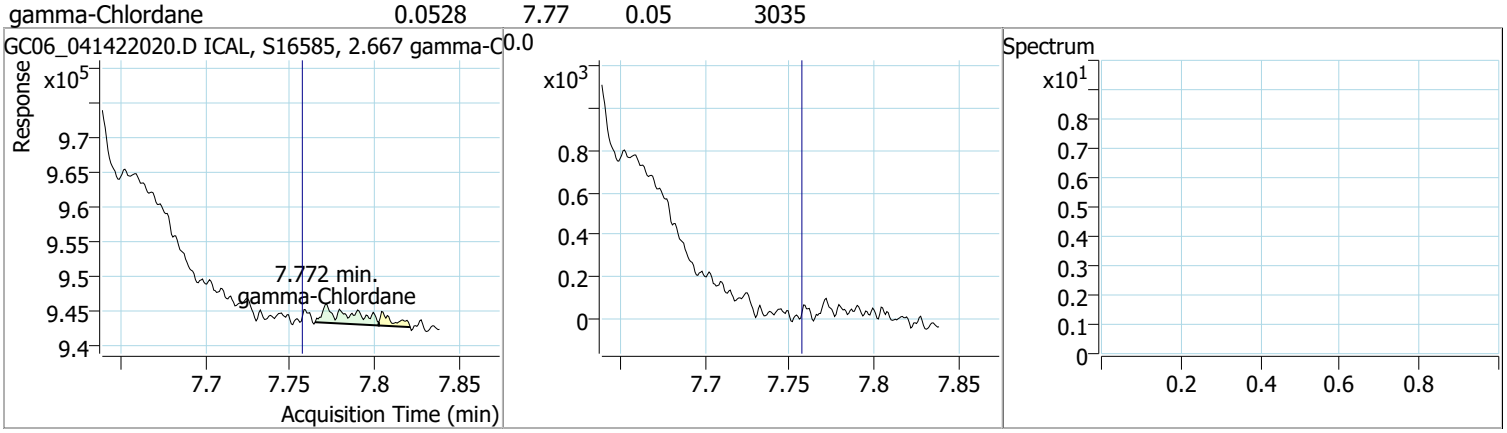
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	18.8746	7.60	0.07	1462618			



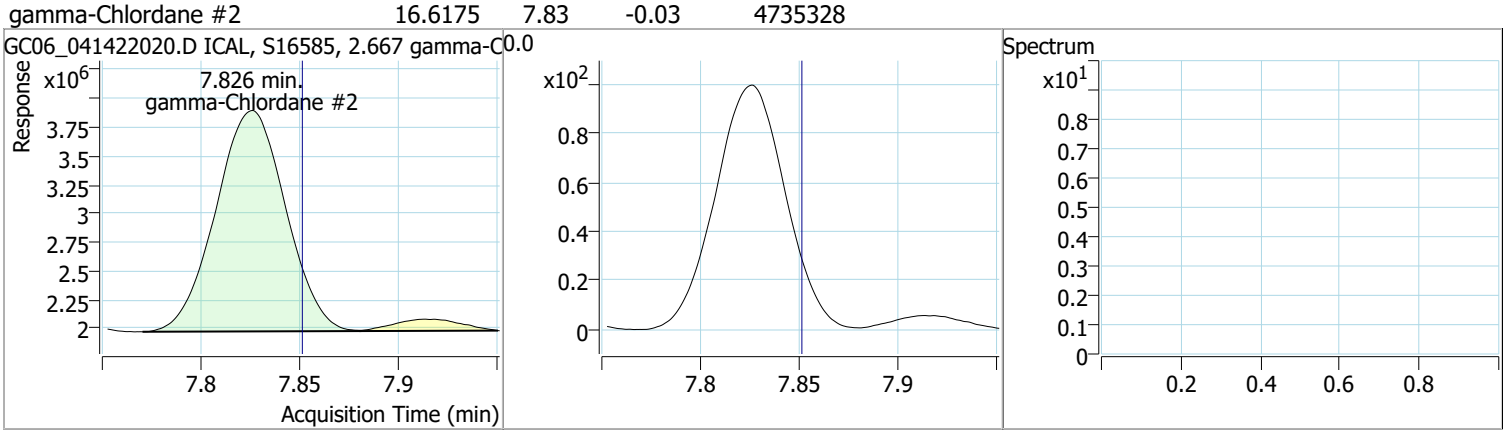
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	16.3477	7.51	-0.02	4285912			



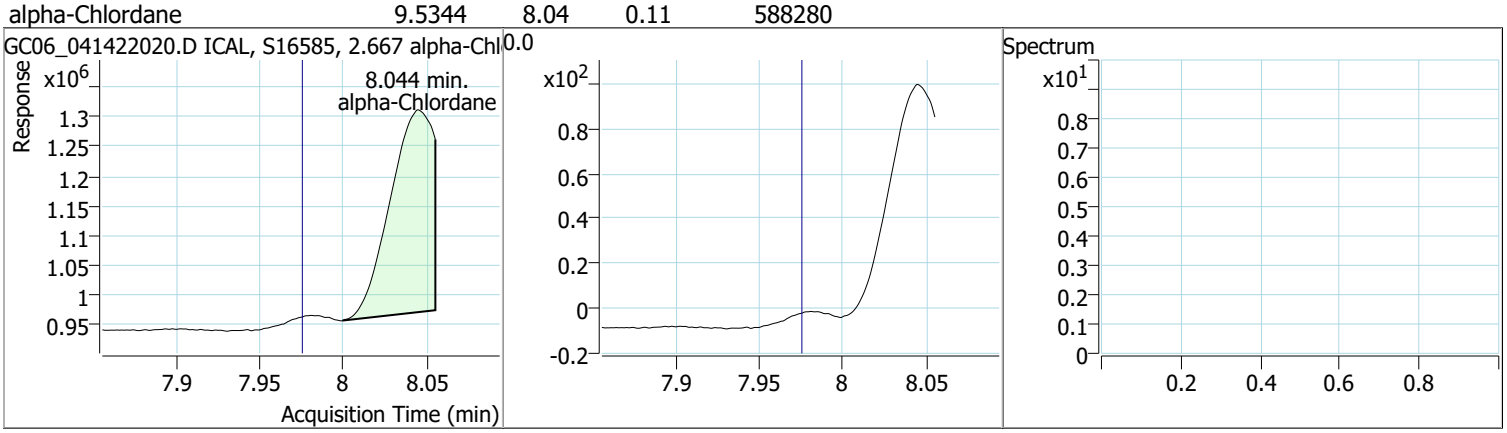
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.0528	7.77	0.05	3035			



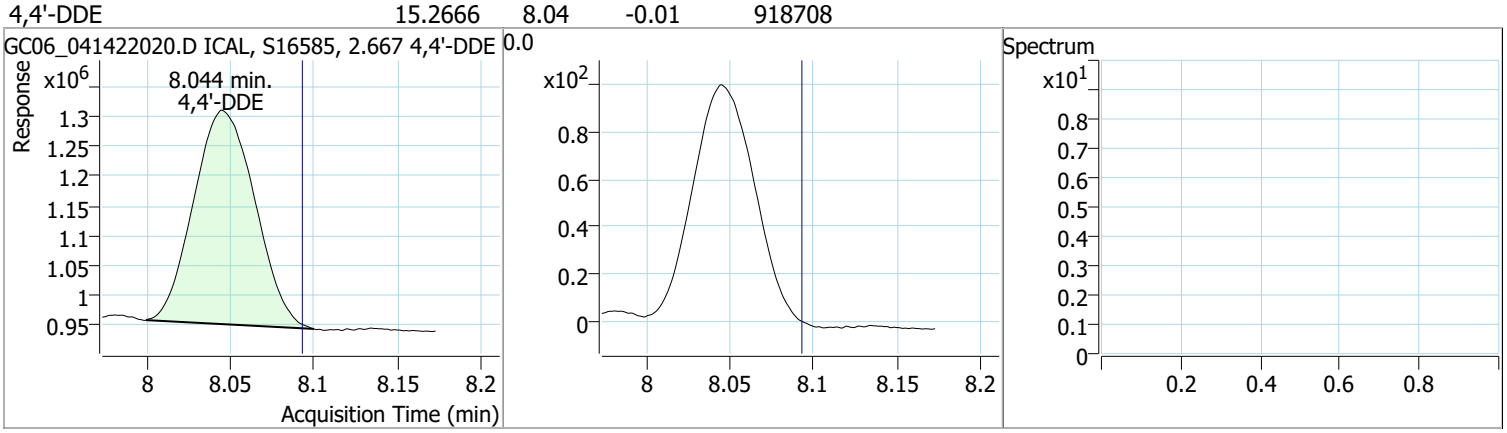
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	16.6175	7.83	-0.03	4735328			



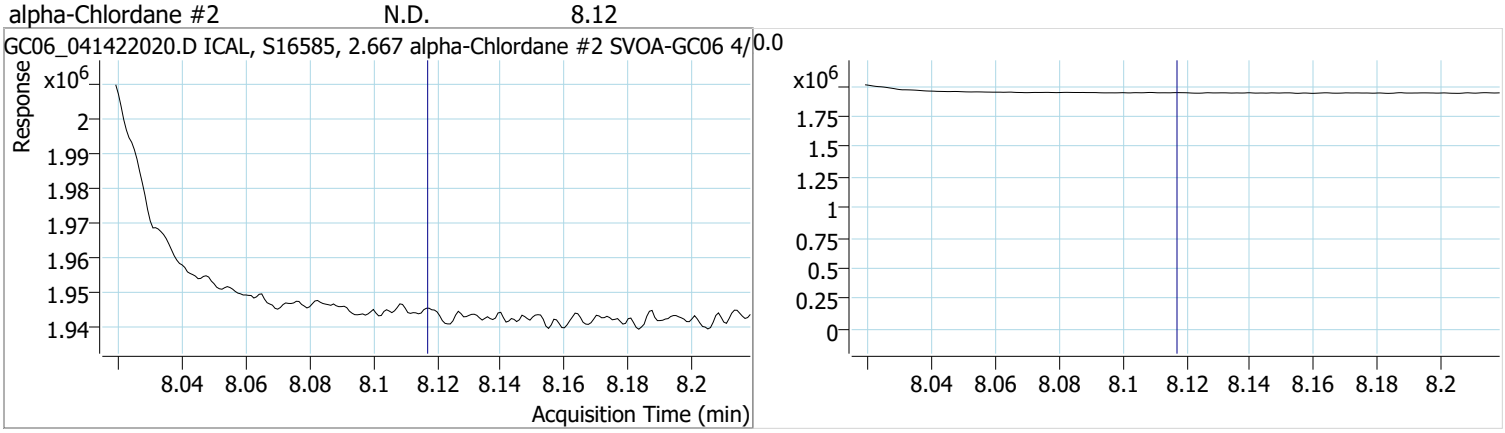
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	9.5344	8.04	0.11	588280			



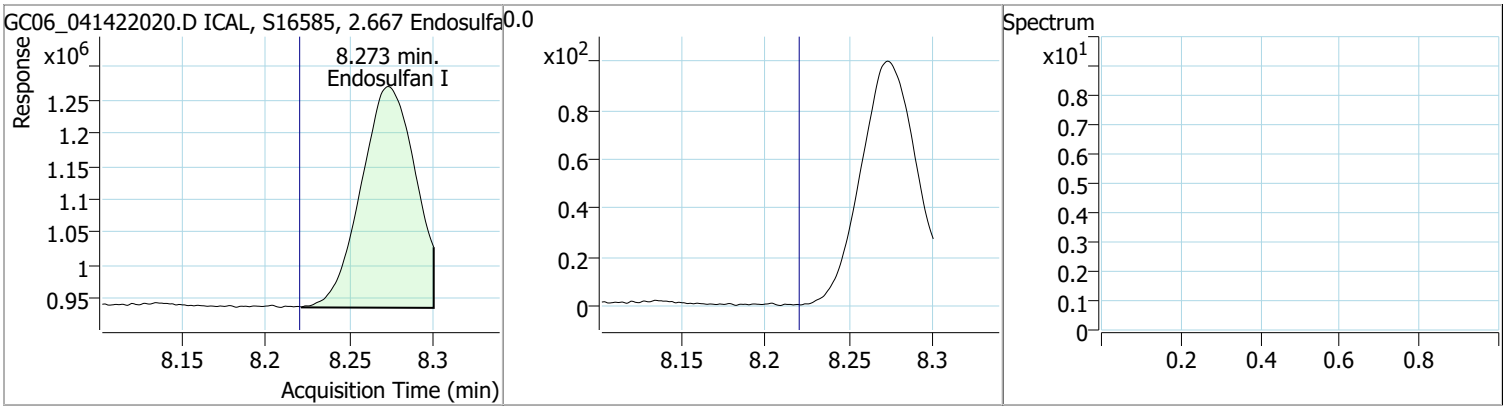
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	15.2666	8.04	-0.01	918708			



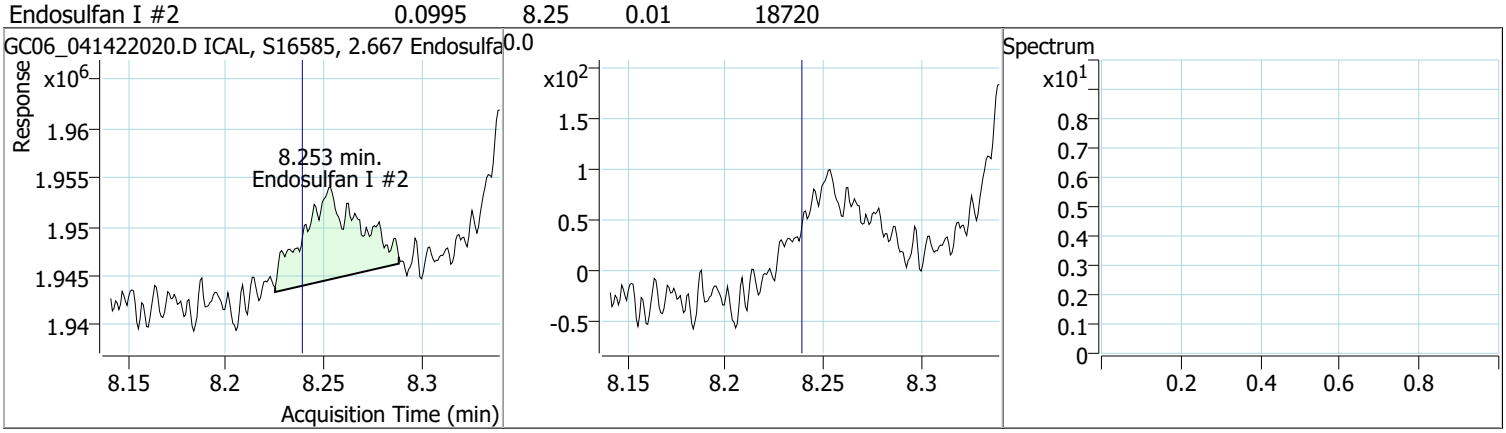
Compound	Conc.	Exp Ratio
alpha-Chlordane #2	N.D.	8.12



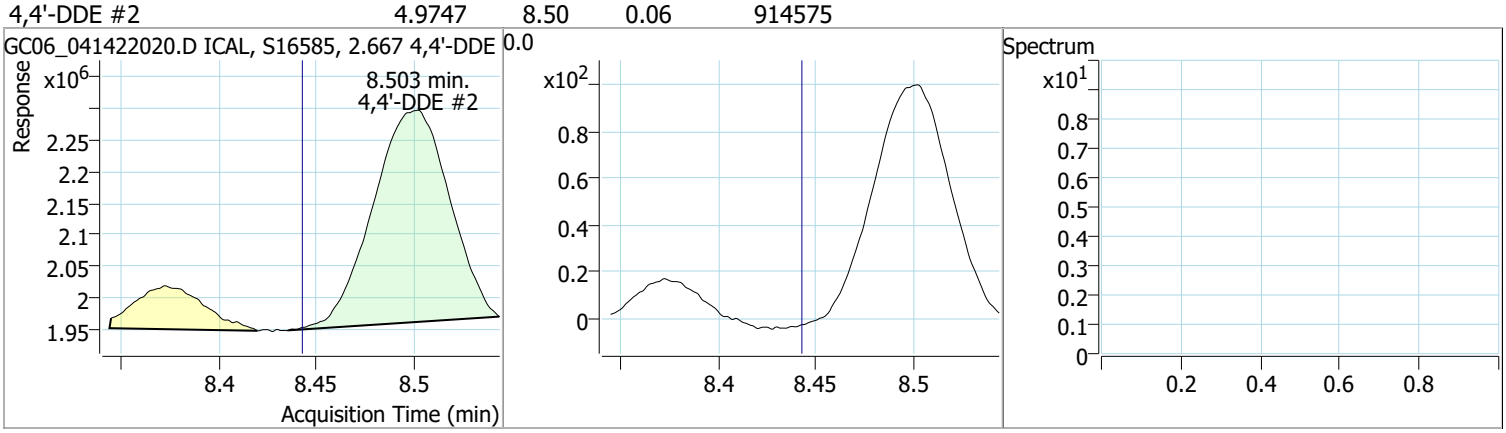
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	12.8182	8.27	0.09	752549			



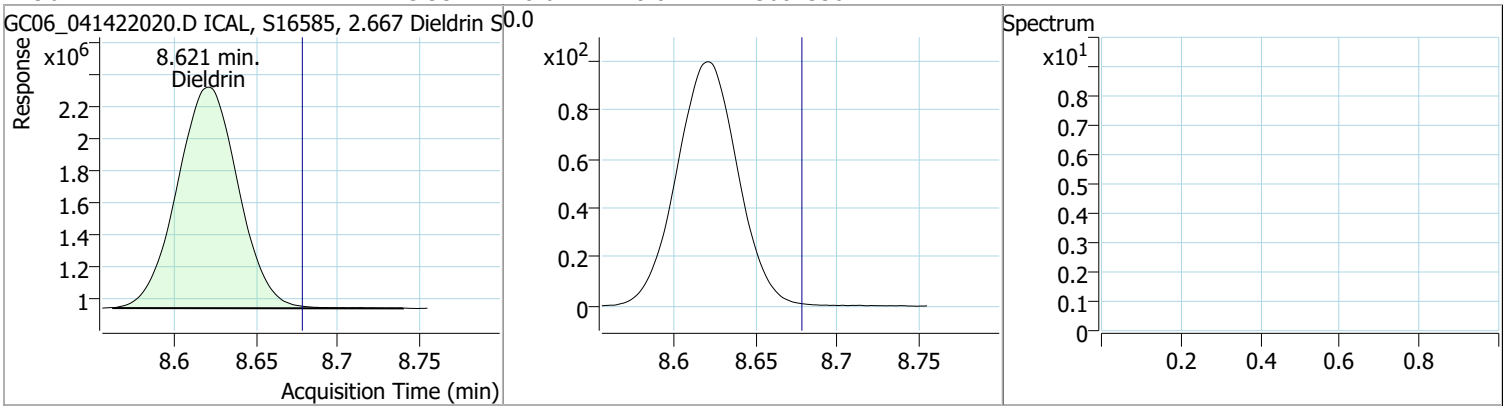
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I #2	0.0995	8.25	0.01	18720			



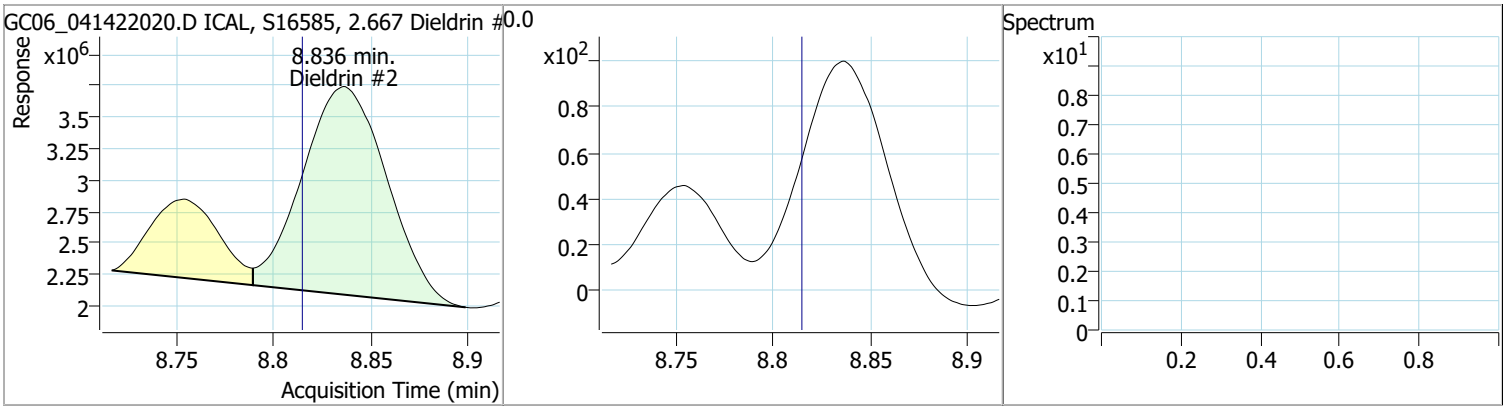
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	4.9747	8.50	0.06	914575			



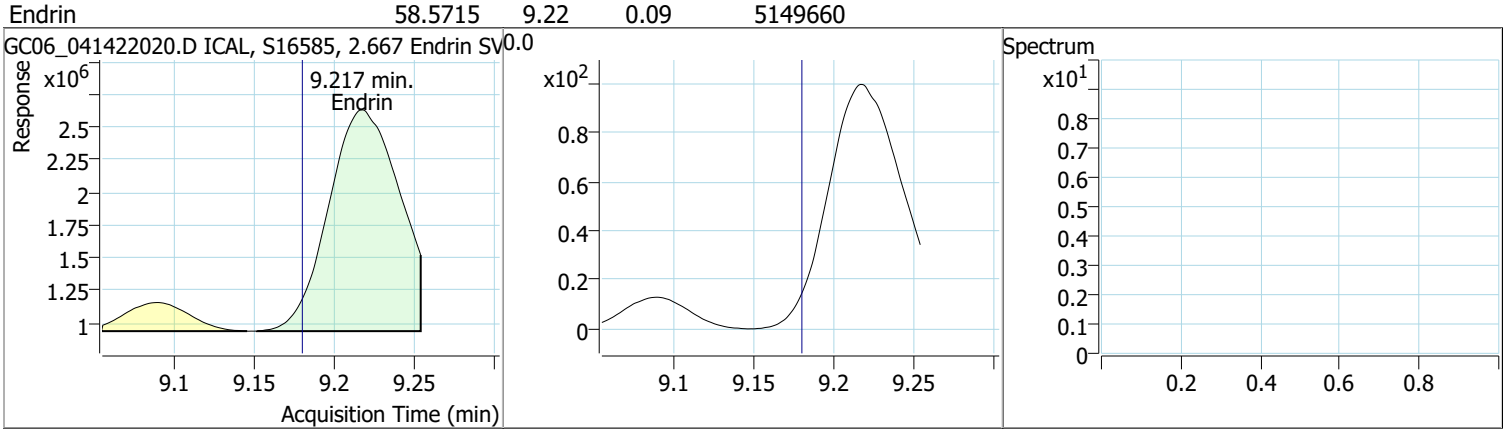
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin	43.9527	8.62	-0.01	3602536			



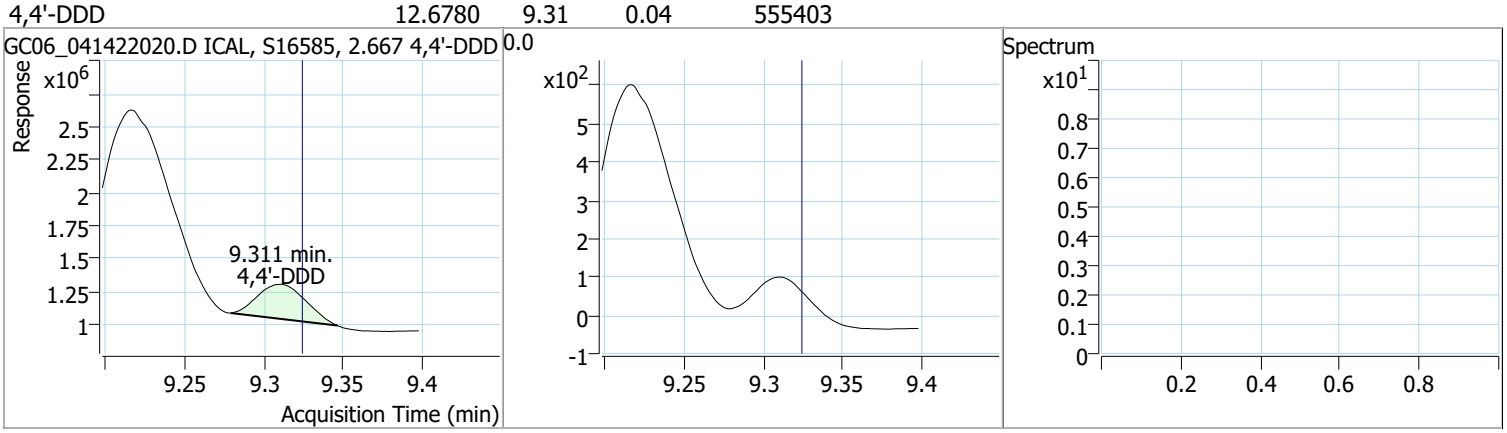
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	22.1957	8.84	0.02	4987733			



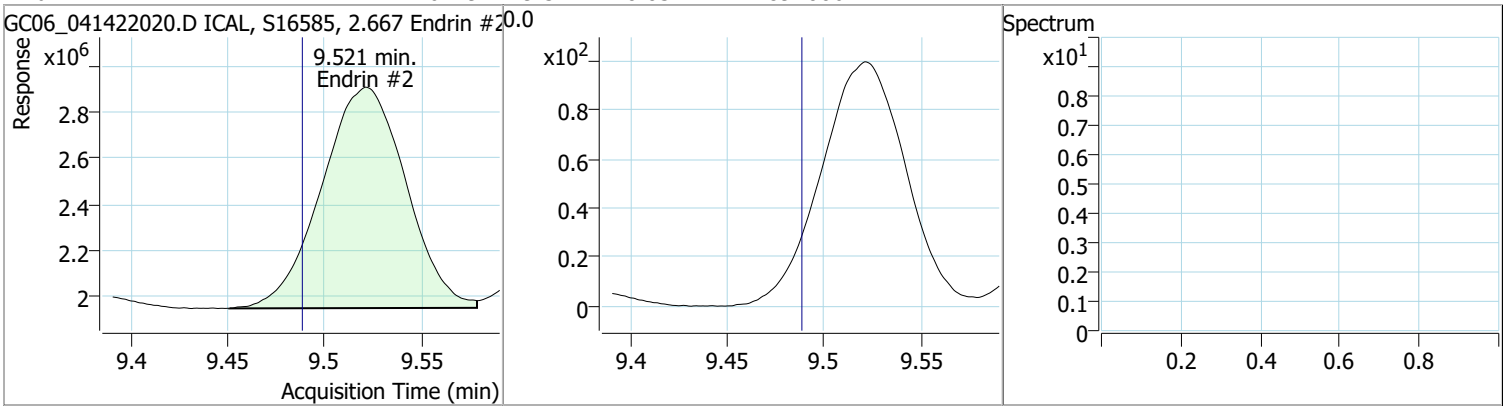
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin	58.5715	9.22	0.09	5149660			



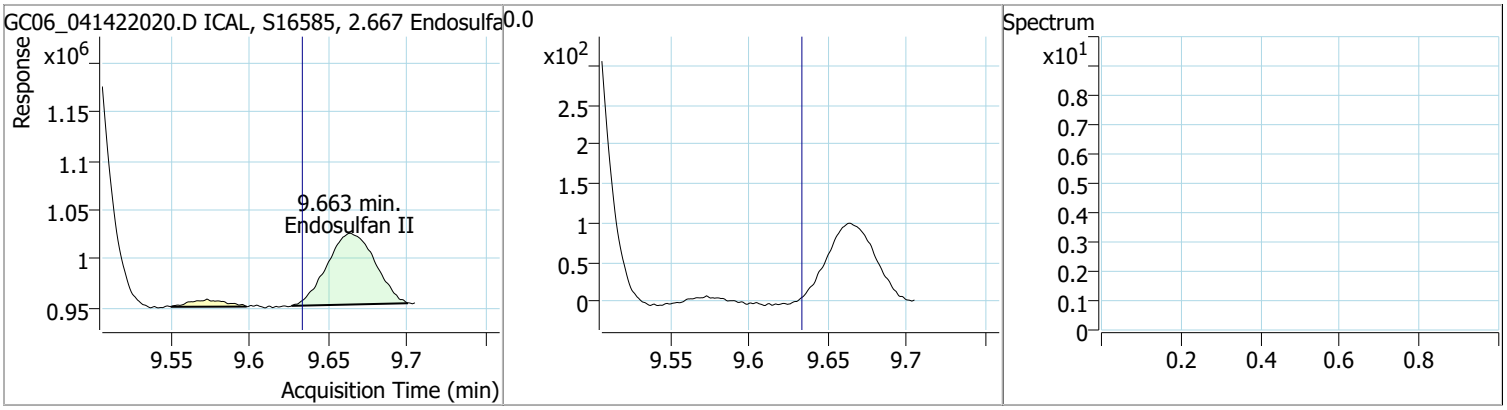
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	12.6780	9.31	0.04	555403			



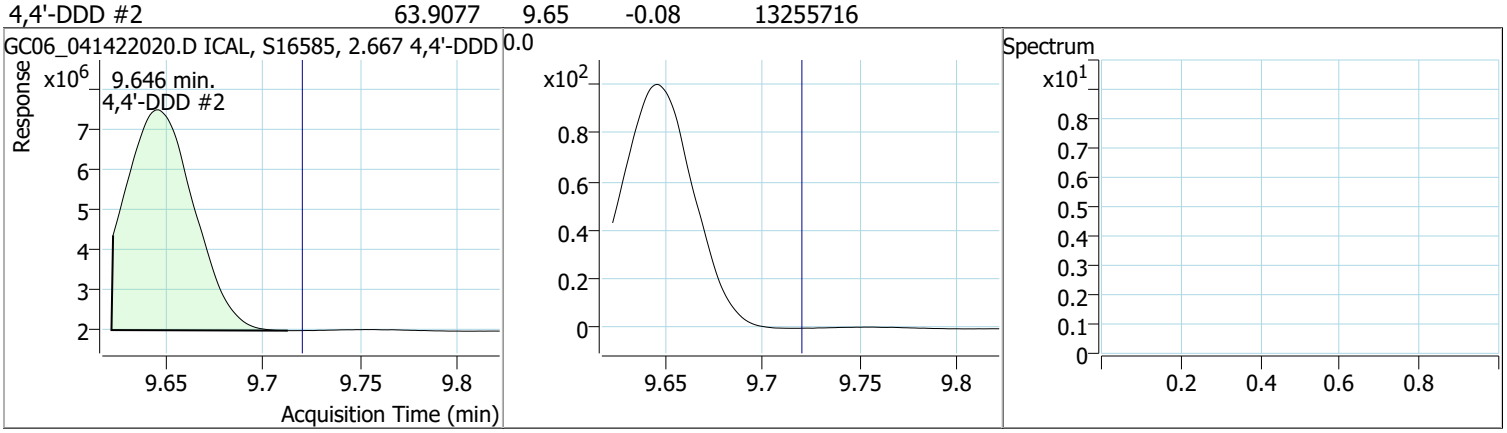
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin #2	14.6749	9.52	0.03	2892006			



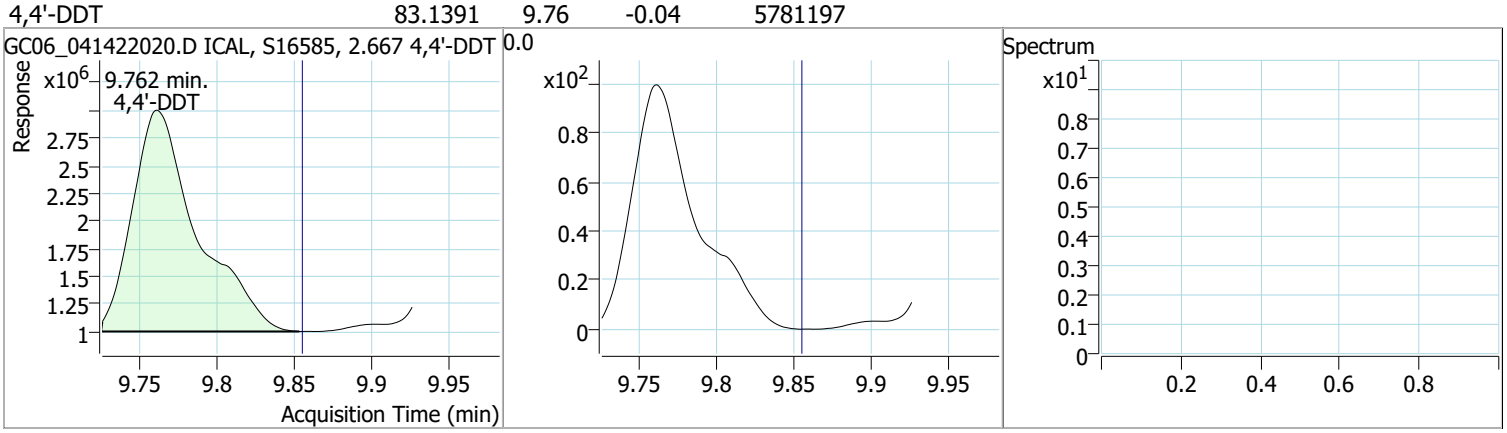
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II	2.7932	9.66	0.08	154699			



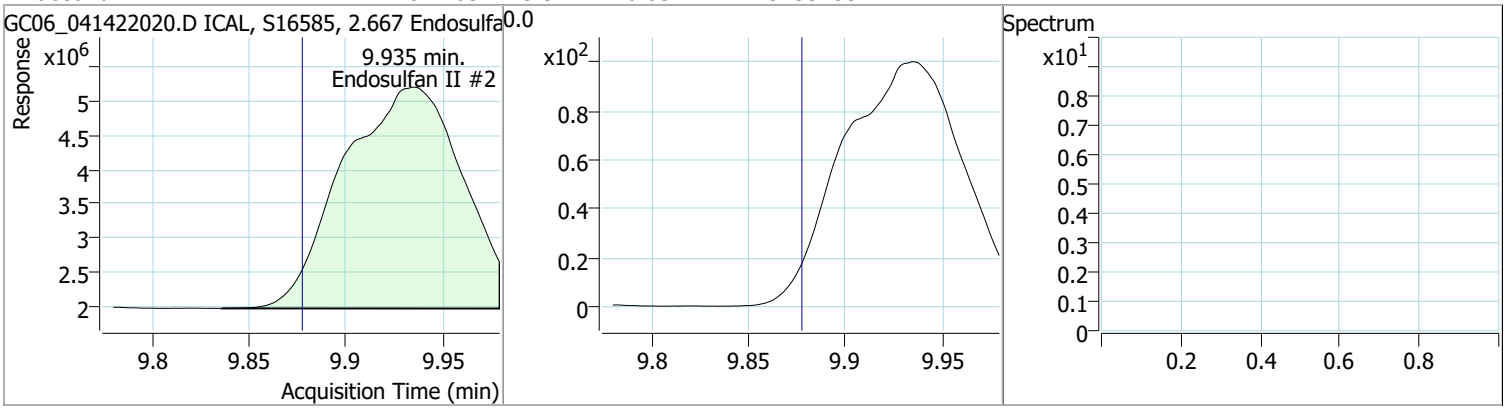
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	63.9077	9.65	-0.08	13255716			



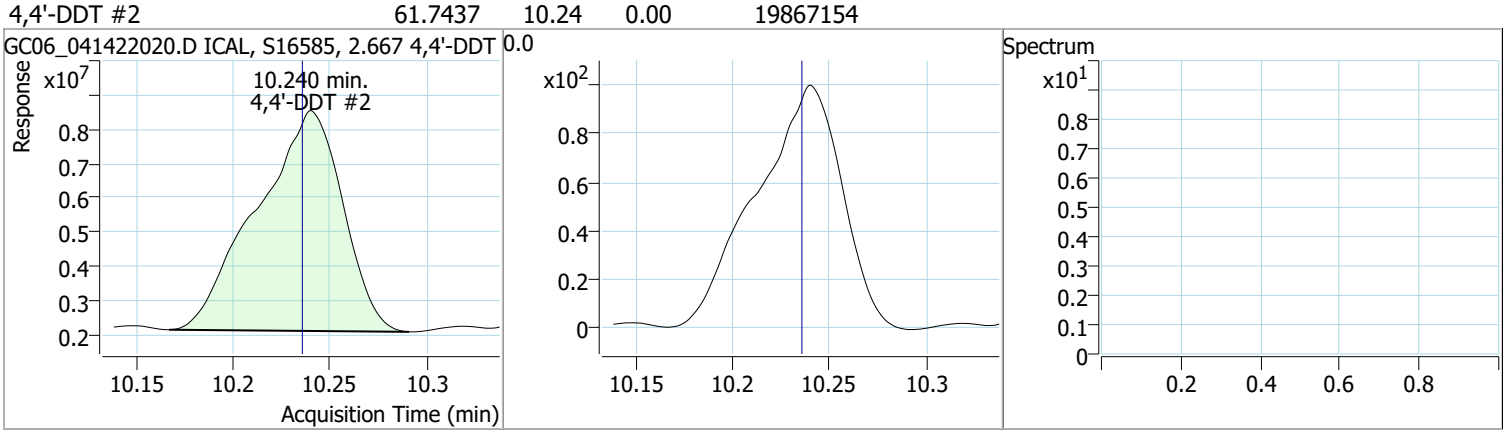
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	83.1391	9.76	-0.04	5781197			



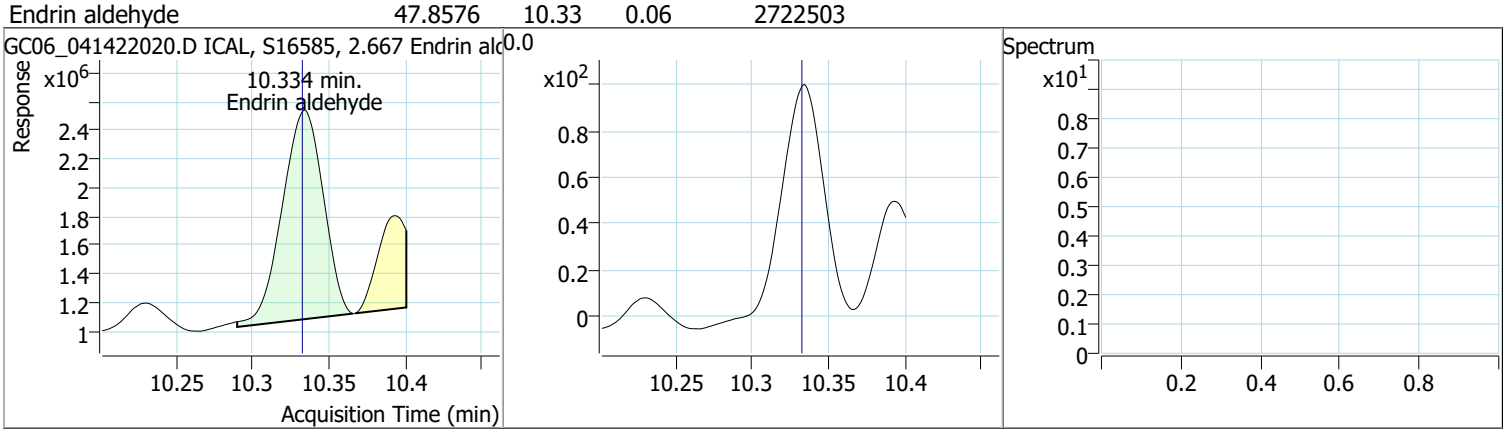
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	48.7765	9.94	0.05	13733433			



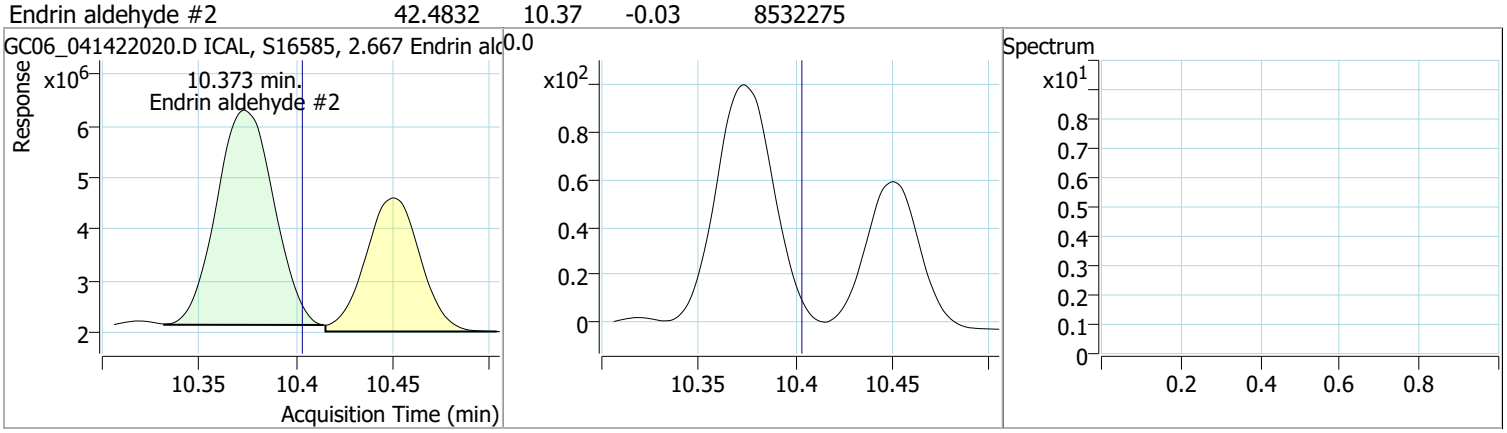
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	61.7437	10.24	0.00	19867154			



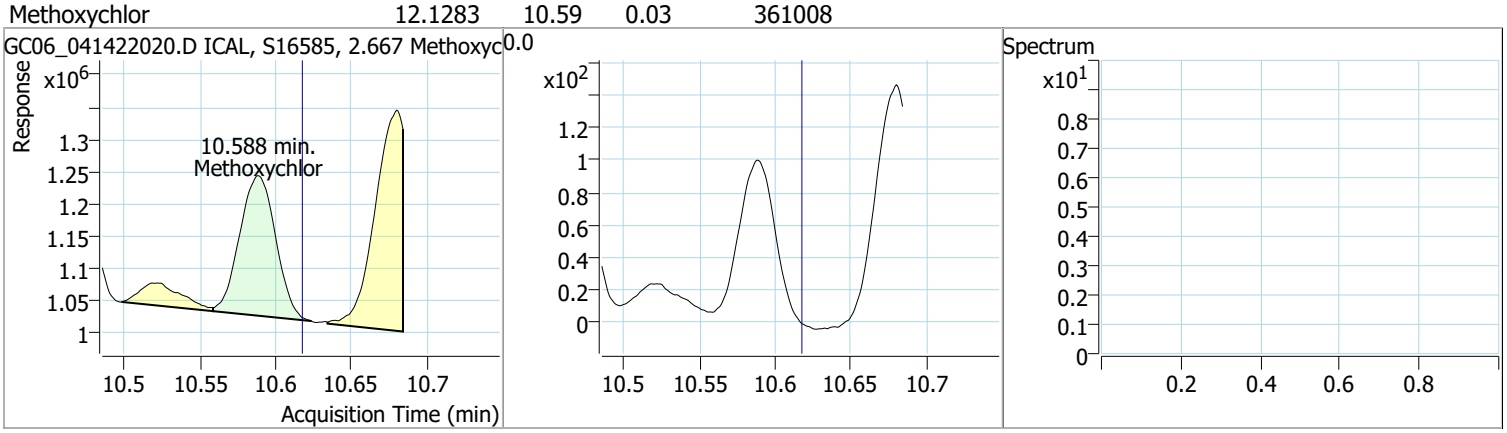
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	47.8576	10.33	0.06	2722503			



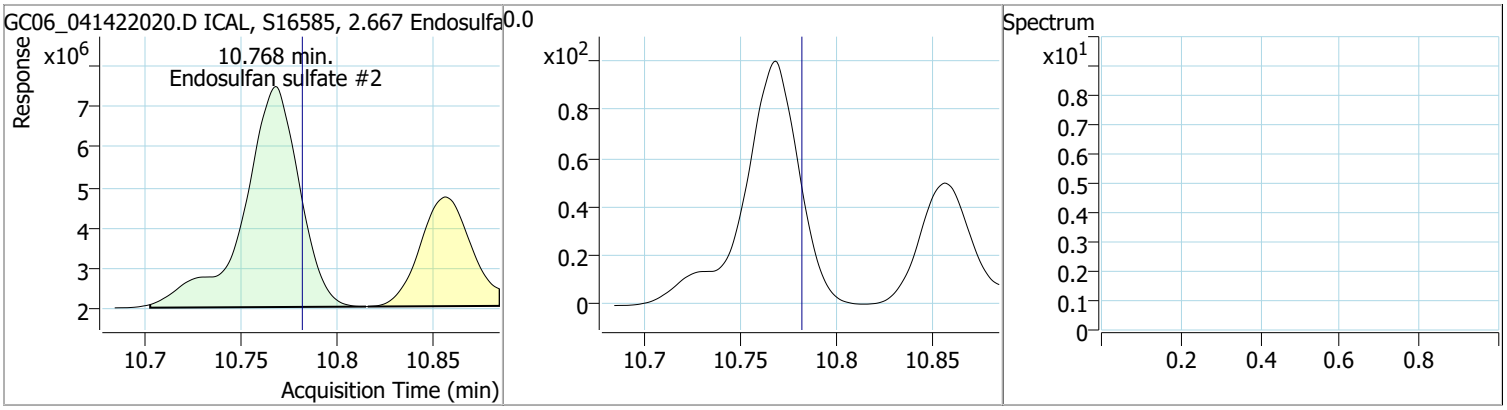
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	42.4832	10.37	-0.03	8532275			



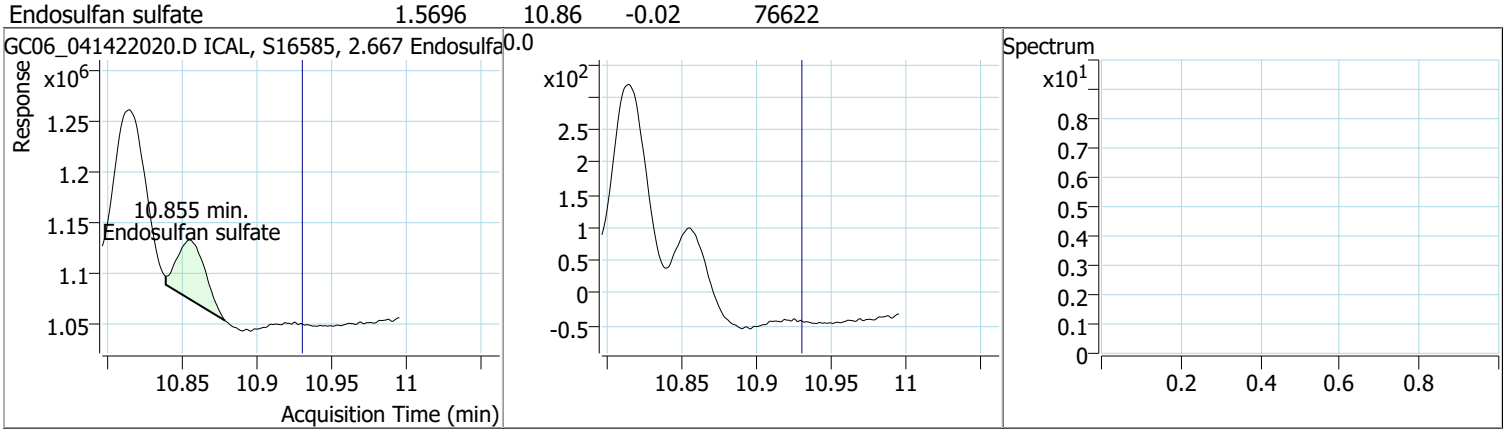
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	12.1283	10.59	0.03	361008			



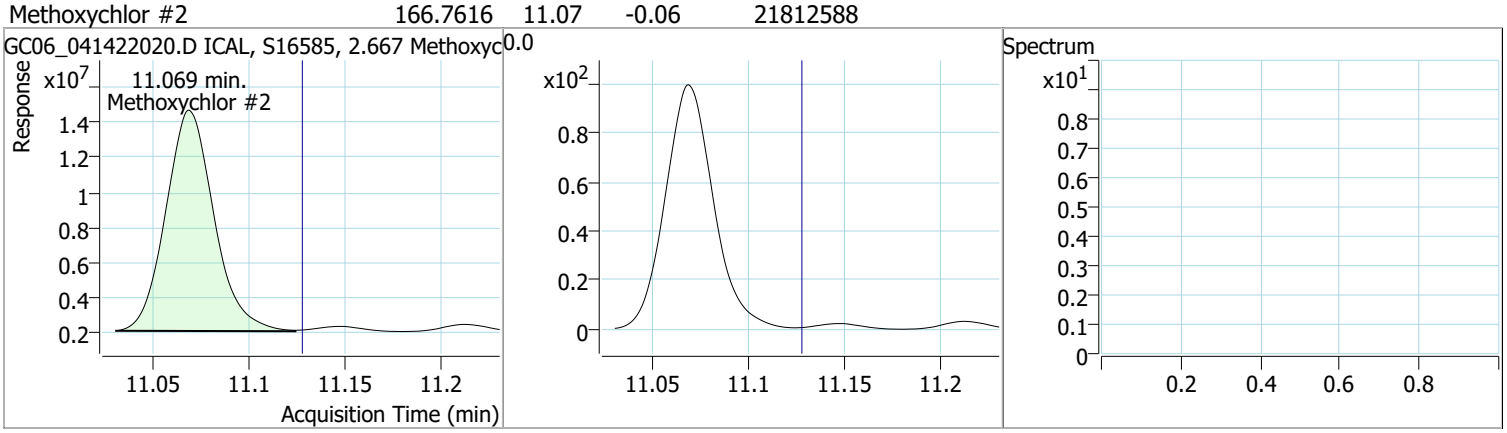
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	46.8221	10.77	-0.02	10983606			



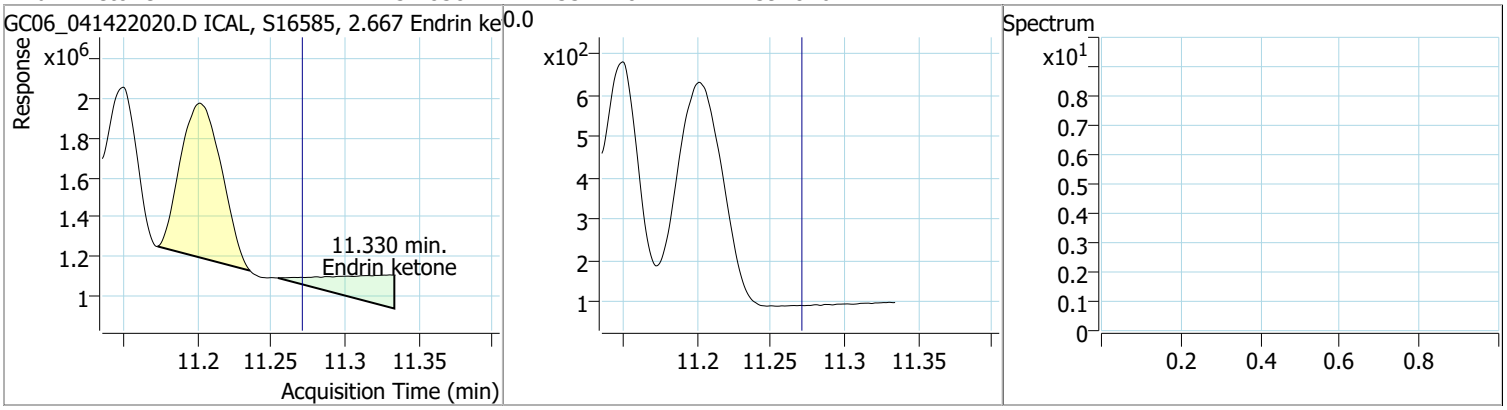
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	1.5696	10.86	-0.02	76622			



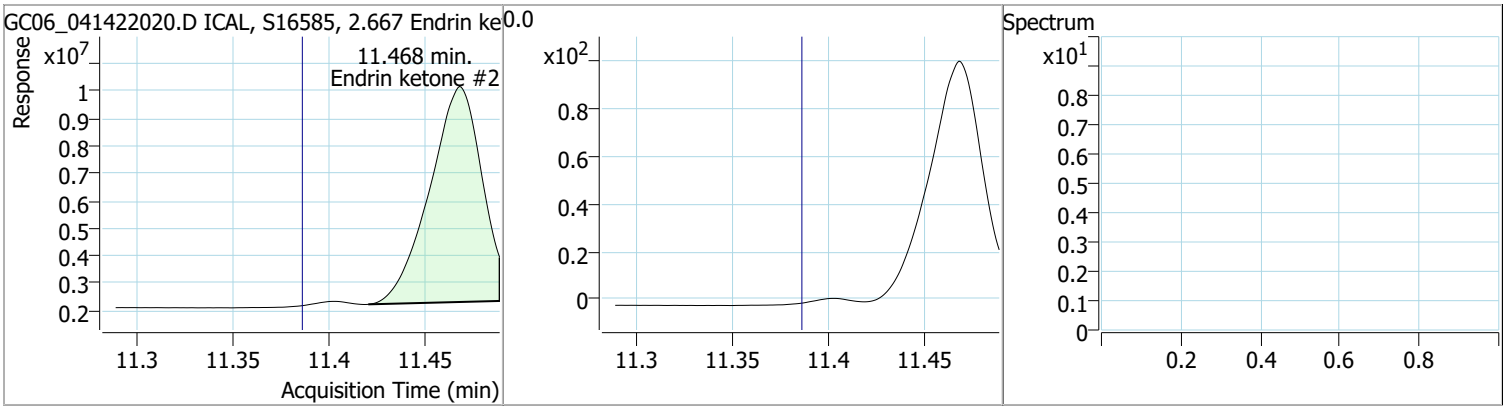
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	166.7616	11.07	-0.06	21812588			



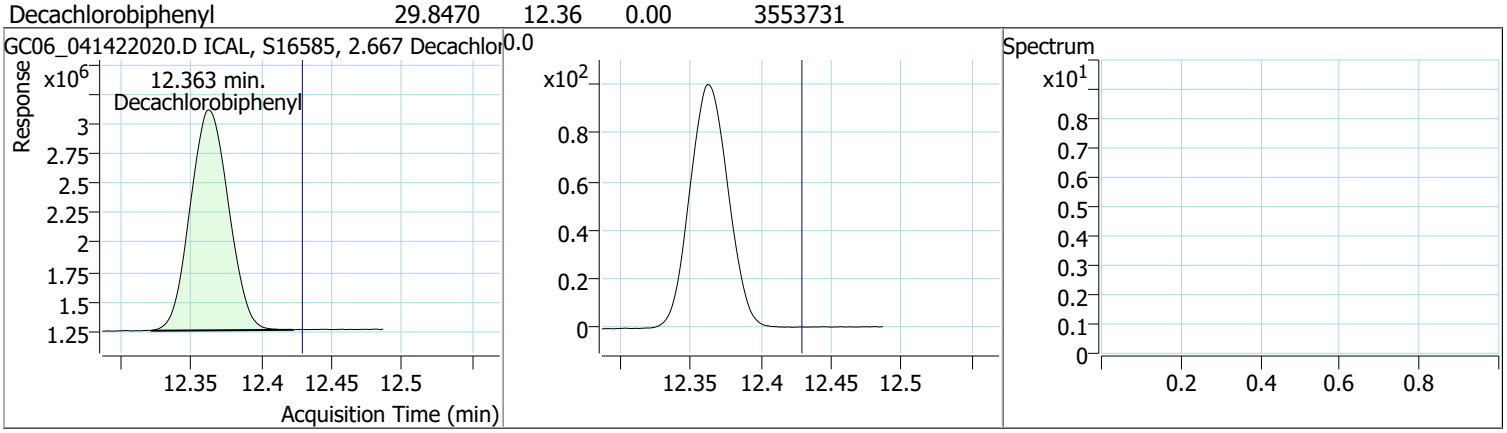
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	5.7838	11.33	0.12	397876			



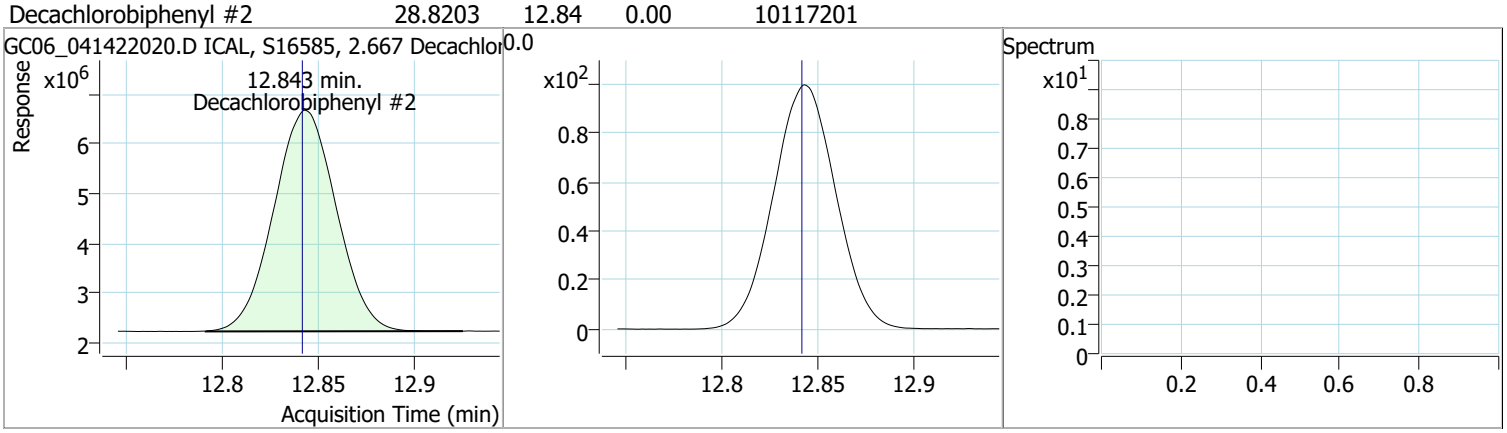
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	48.4077	11.47	0.08	14584668			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	29.8470	12.36	0.00	3553731			

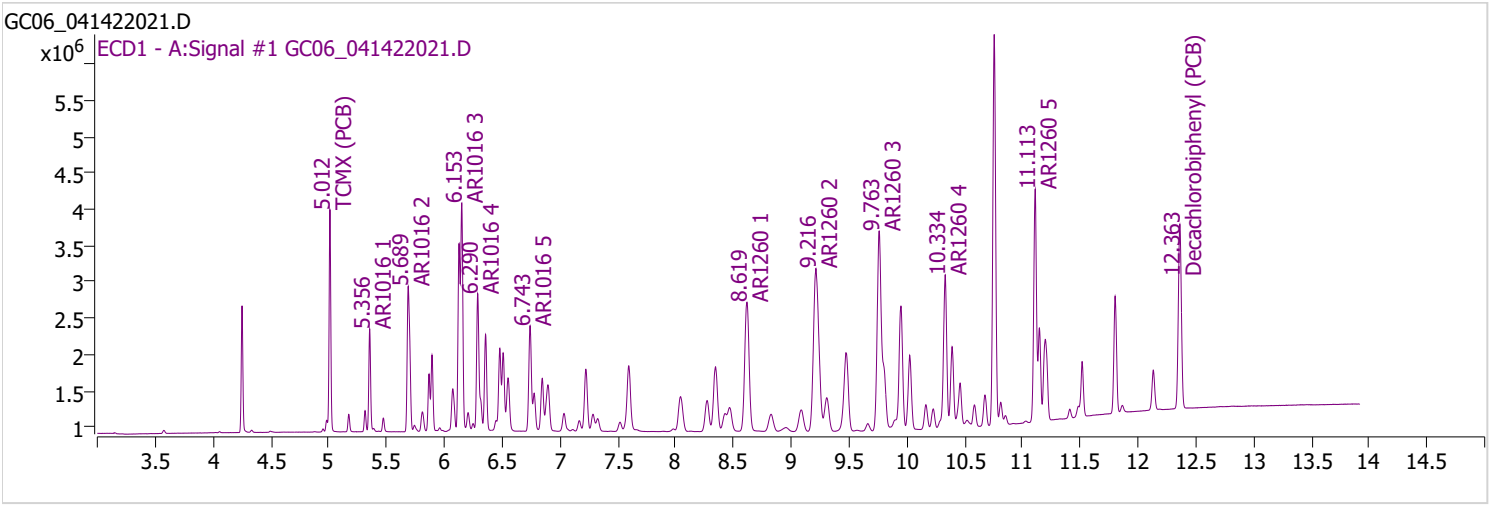


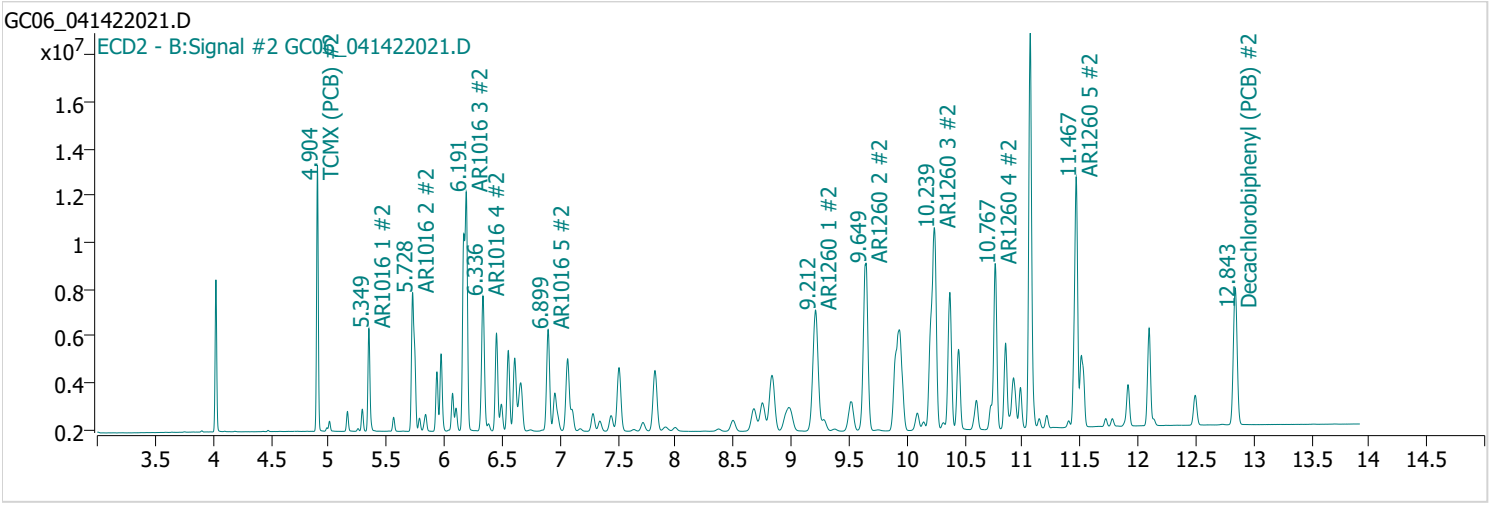
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	28.8203	12.84	0.00	10117201			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422021.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 8:26:46 PM
Sample Name	ICAL, S16585, 2	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 117	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



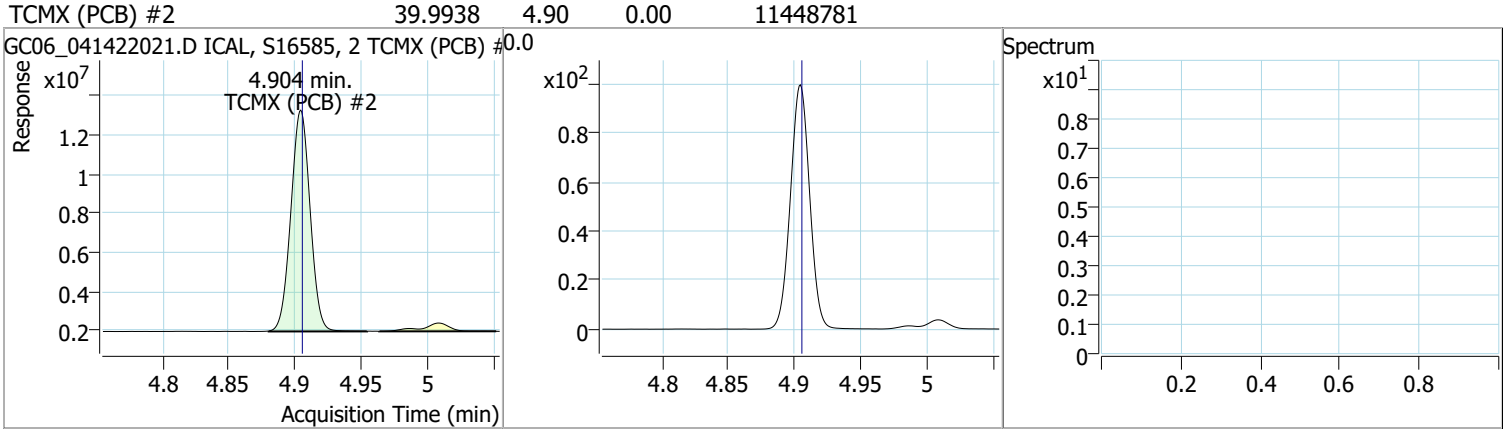


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.252	4.026	1726223	6249825	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.012	4.904	3158804	11448781	38.043	39.994	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	190.22% *	199.97% *	
S Decachlorobiphenyl (PCB)	12.363	12.843	4719394	13502951	35.957	35.805	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	179.78% *	179.02% *	
Target Compounds							
T AR1016 1	5.356	5.349	1559025	5412266	923.292	924.736	ng/ml
T AR1016 2	5.689	5.728	3283408	11352100	893.055	934.640	ng/ml
T AR1016 3	6.153	6.191	4098689	15182937 m	947.237	947.862	ng/ml
T AR1016 4	6.290	6.336	3006591	10164592	928.517	935.344	ng/ml
T AR1016 5	6.743	6.899	2288258	7985575	913.555	939.893	ng/ml
T AR1260 1	8.619	9.212	4769088	16601847 m	877.883	877.677	ng/ml
T AR1260 2	9.216	9.649	7387577	19464462	882.911	890.558	ng/ml
T AR1260 3	9.763	10.239	8027982 m	26860418	922.930	904.557	ng/ml
T AR1260 4	10.334	10.767	3879336	13727290	896.754	854.312	ng/ml

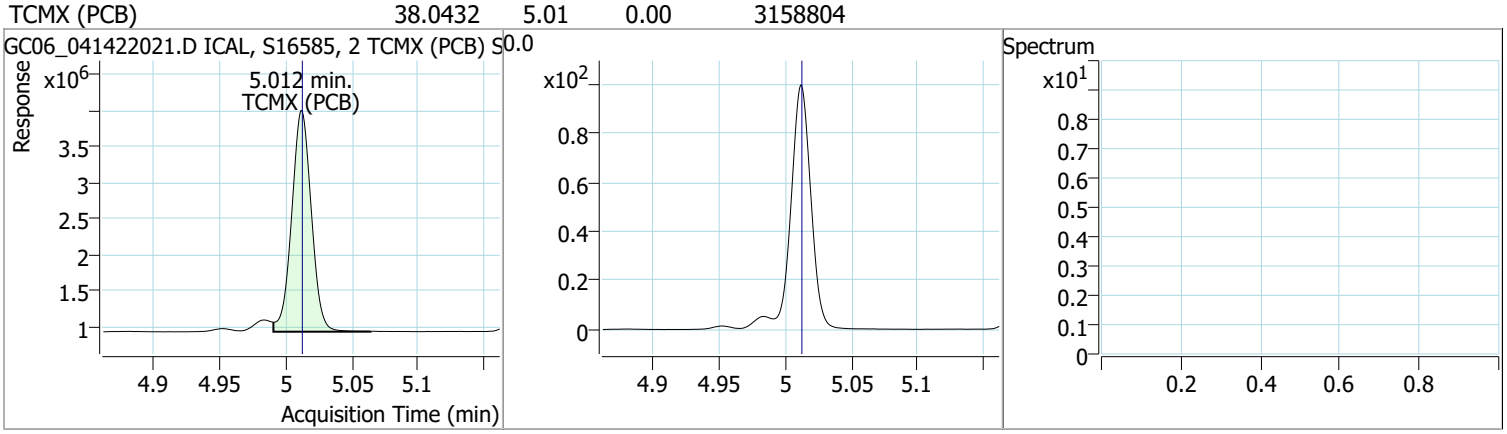
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.113	11.467	5329819	20928472	930.881	883.433	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

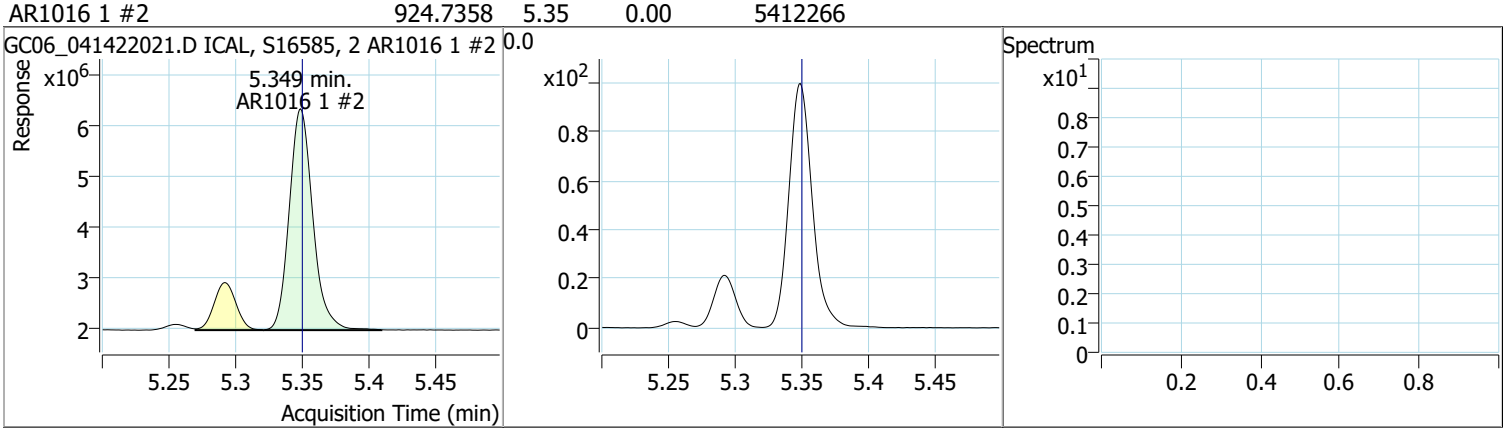
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	39.9938	4.90	0.00	11448781			



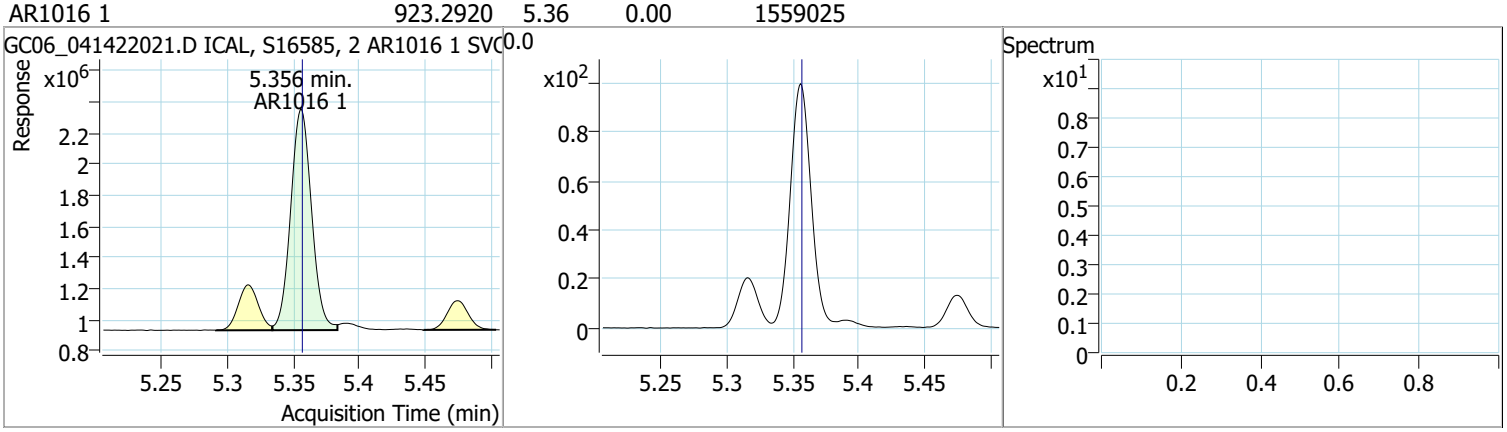
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	38.0432	5.01	0.00	3158804			



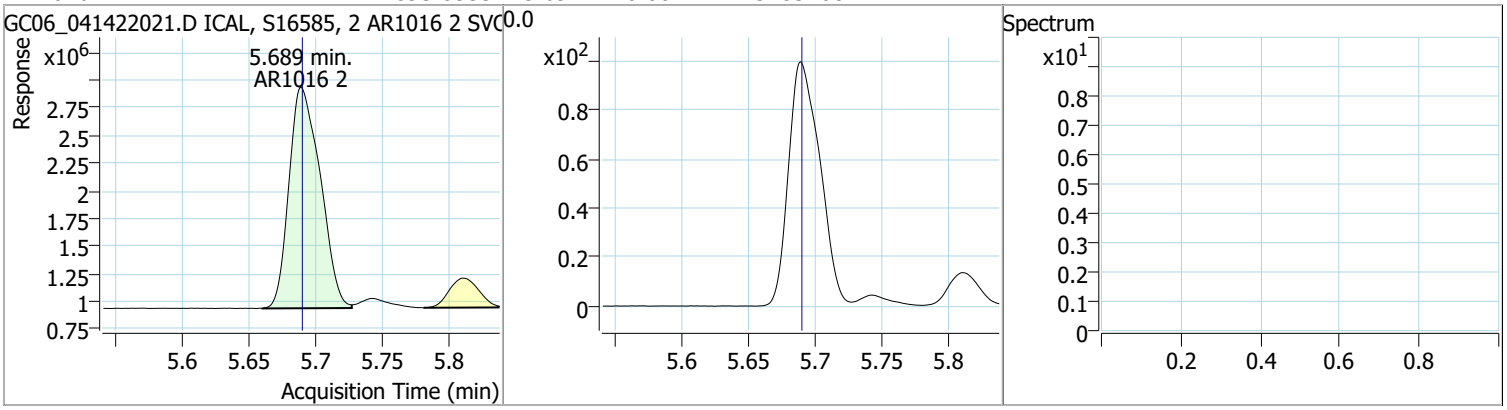
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	924.7358	5.35	0.00	5412266			



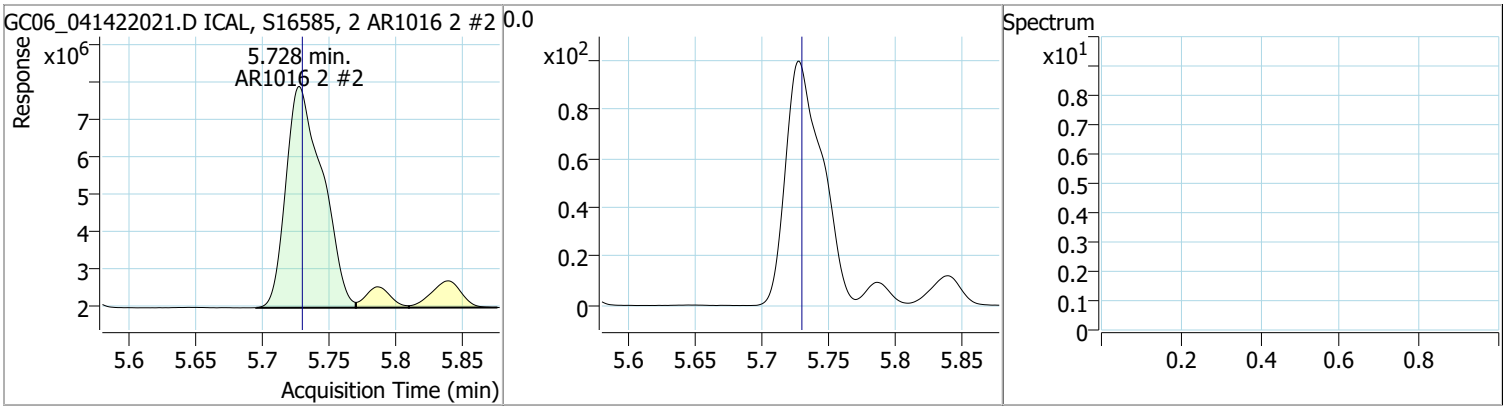
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	923.2920	5.36	0.00	1559025			



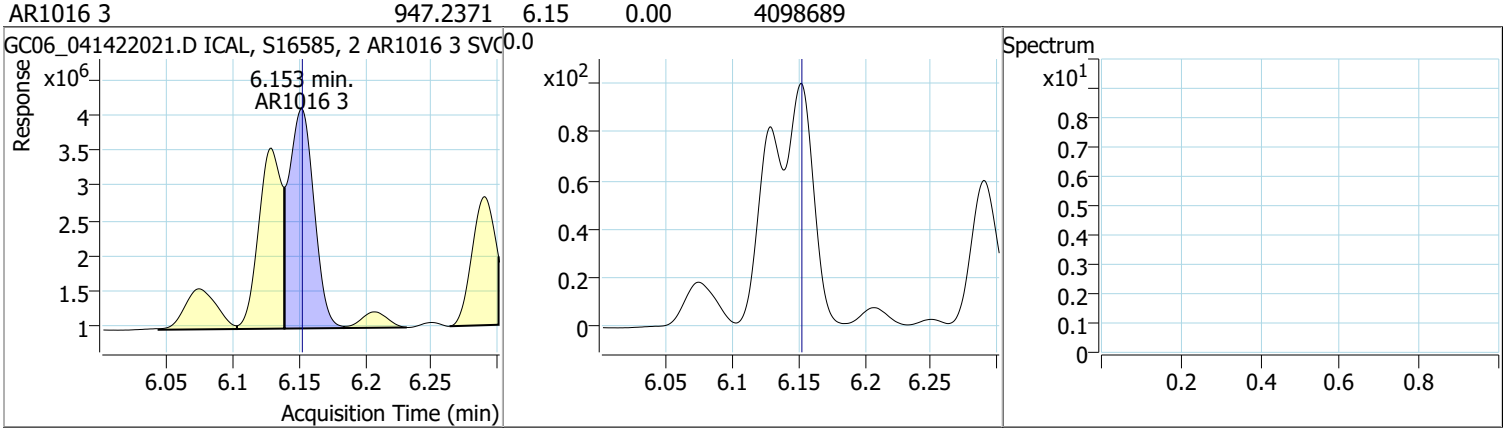
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	893.0553	5.69	0.00	3283408			



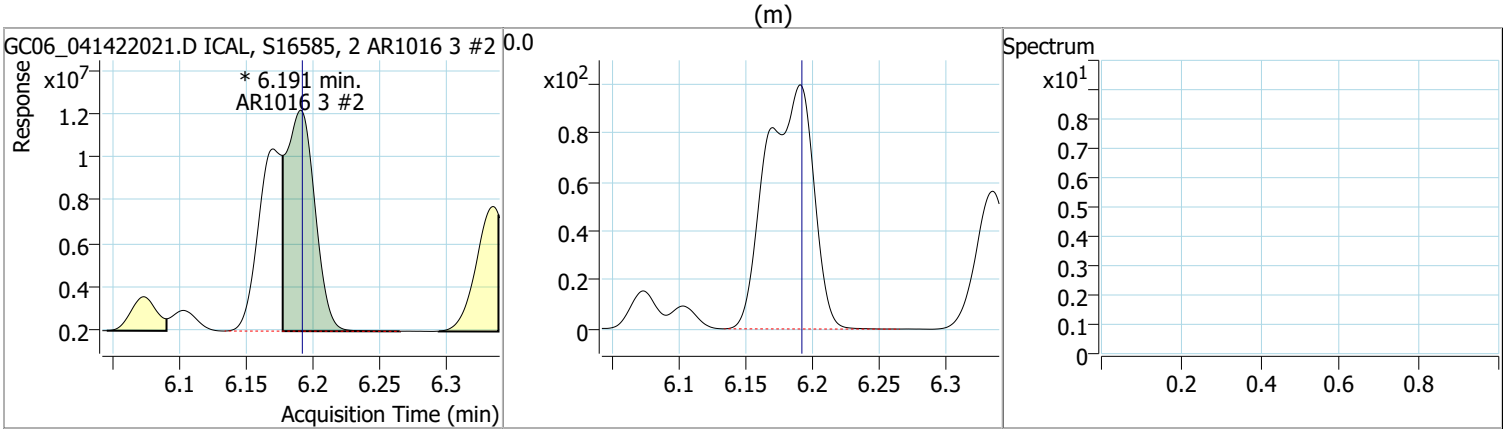
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	934.6403	5.73	0.00	11352100			



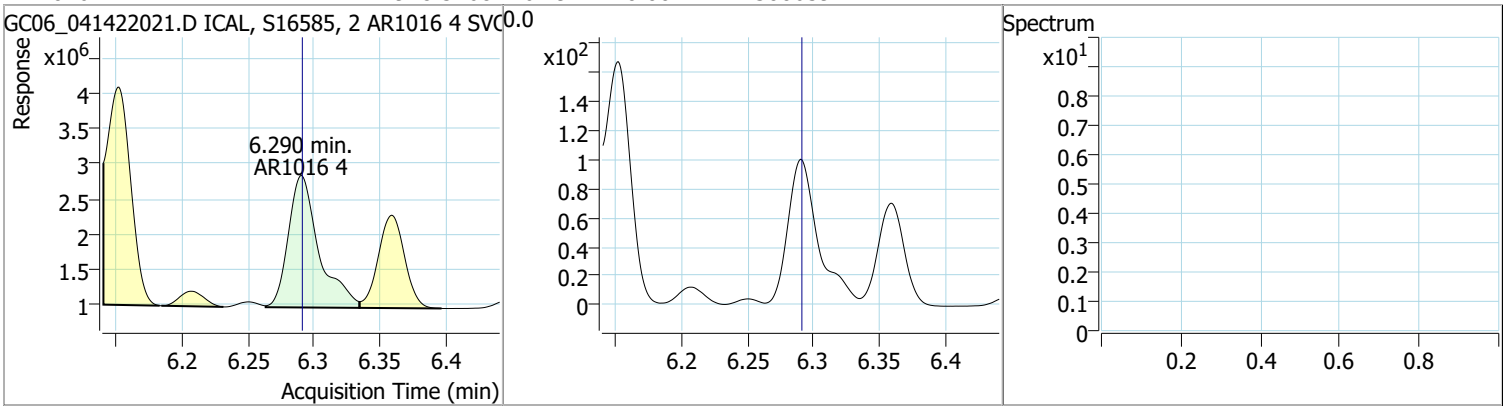
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	947.2371	6.15	0.00	4098689			



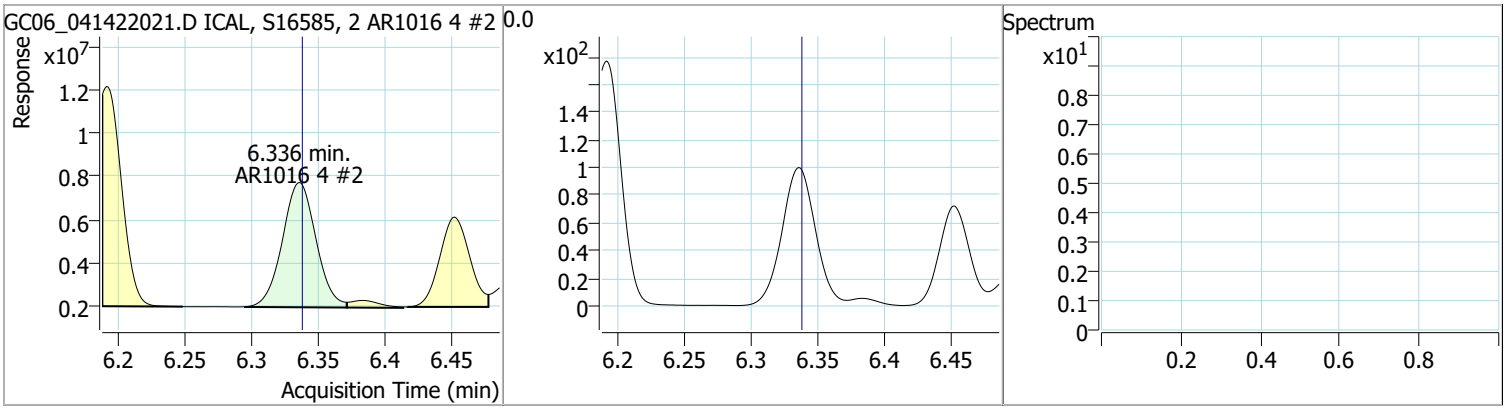
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	947.8618	6.19	0.00	15182937 (m)			



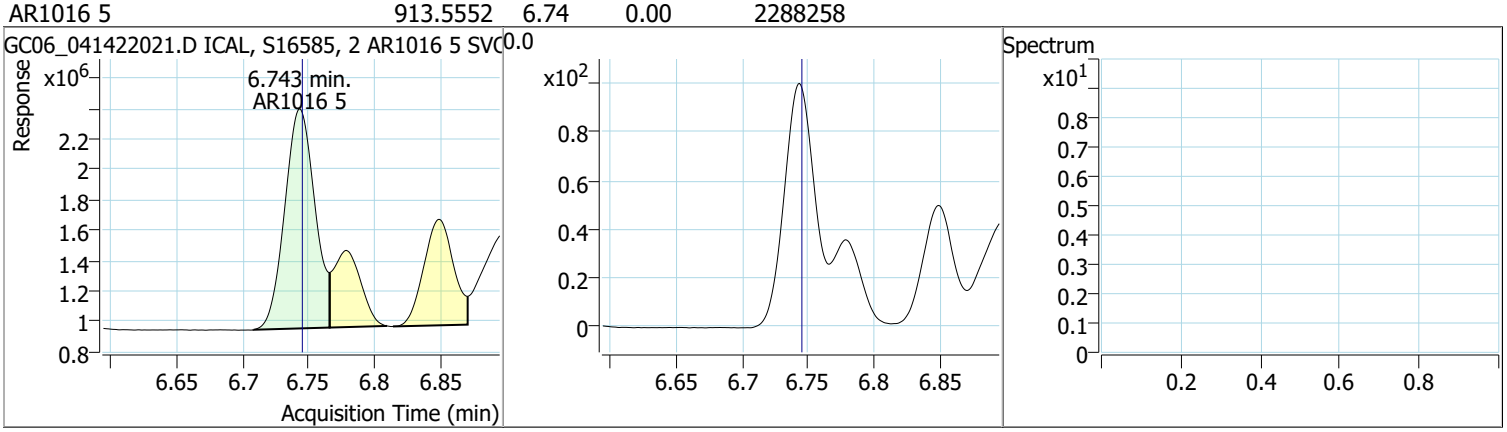
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	928.5168	6.29	0.00	3006591			



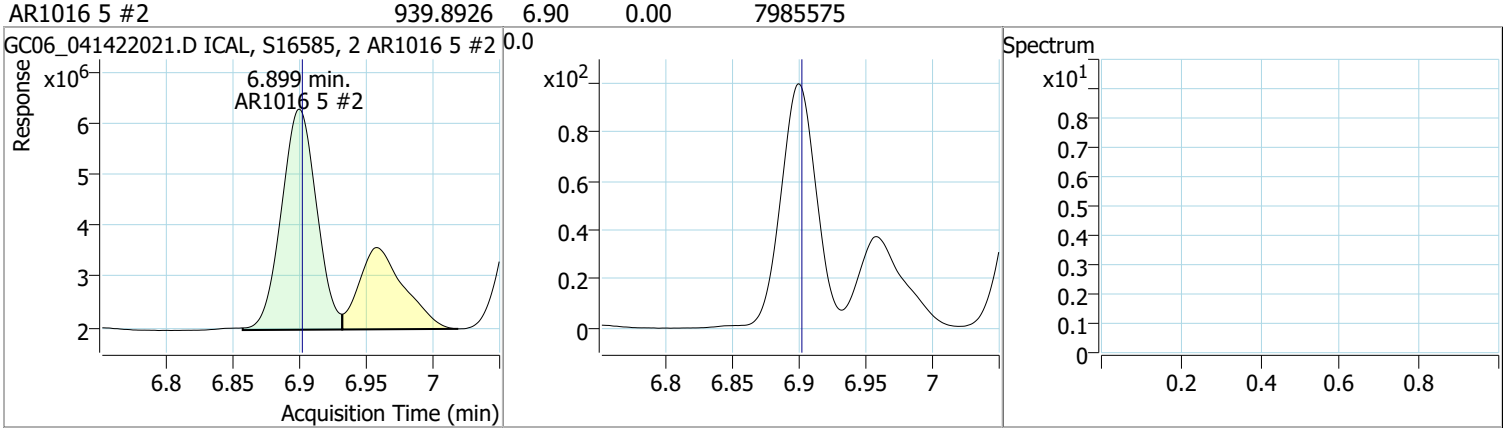
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	935.3441	6.34	0.00	10164592			



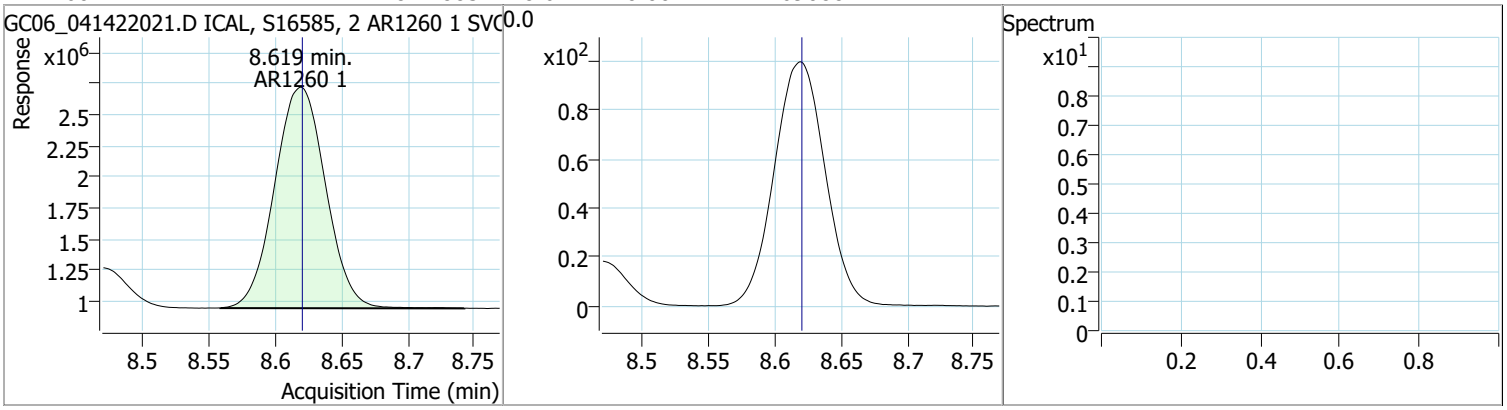
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	913.5552	6.74	0.00	2288258			



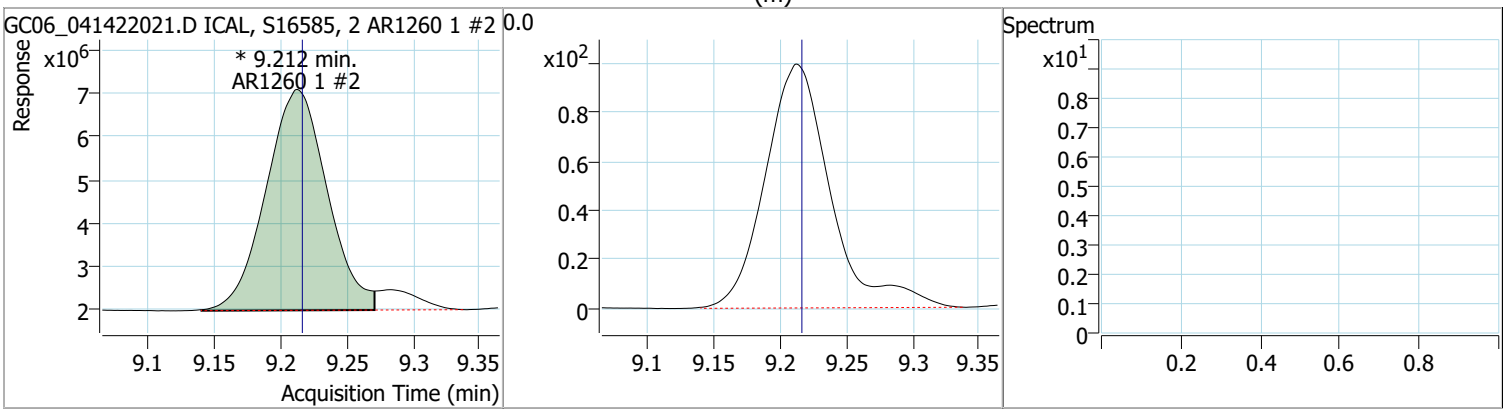
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	939.8926	6.90	0.00	7985575			



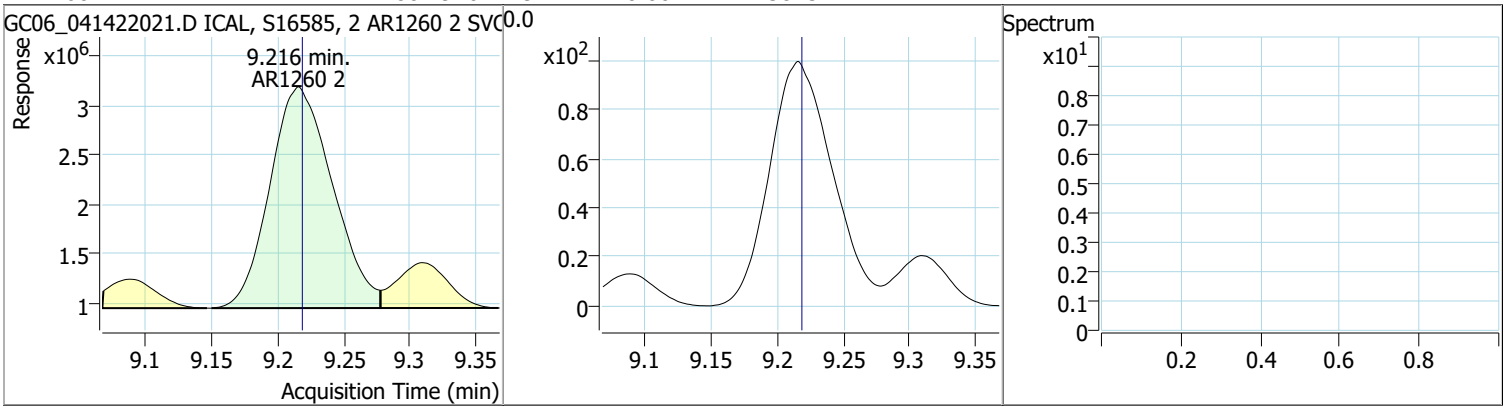
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	877.8831	8.62	0.00	4769088			



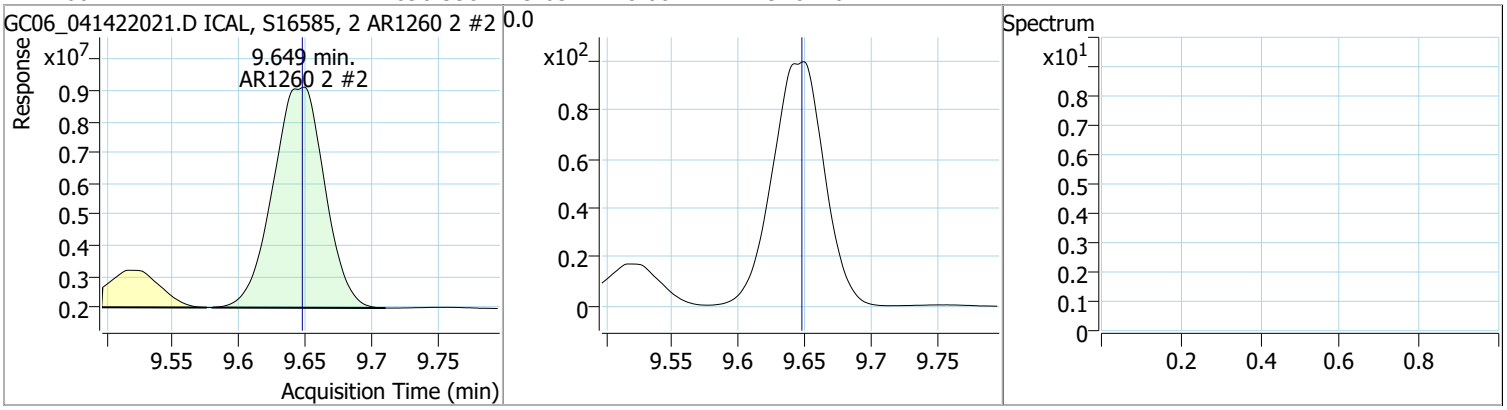
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	877.6771	9.21	0.00	16601847 (m)			



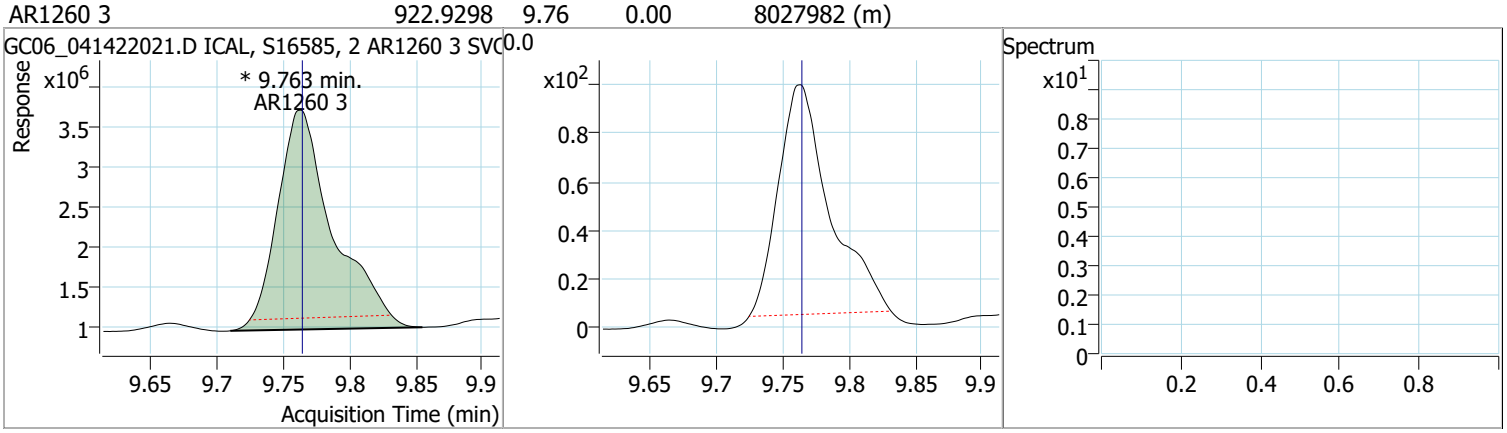
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	882.9107	9.22	0.00	7387577			



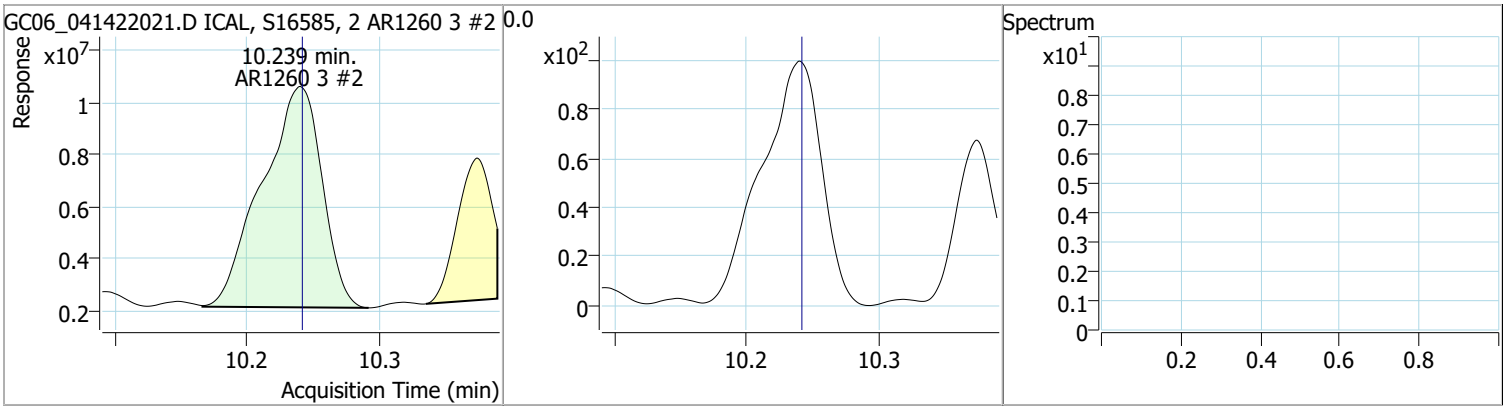
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	890.5584	9.65	0.00	19464462			



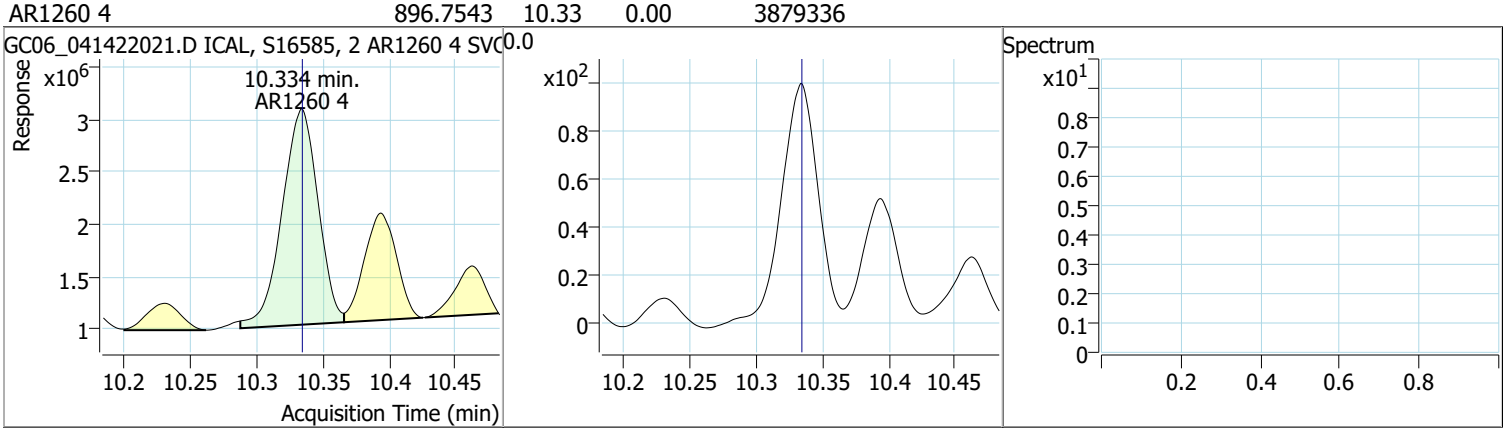
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	922.9298	9.76	0.00	8027982 (m)			



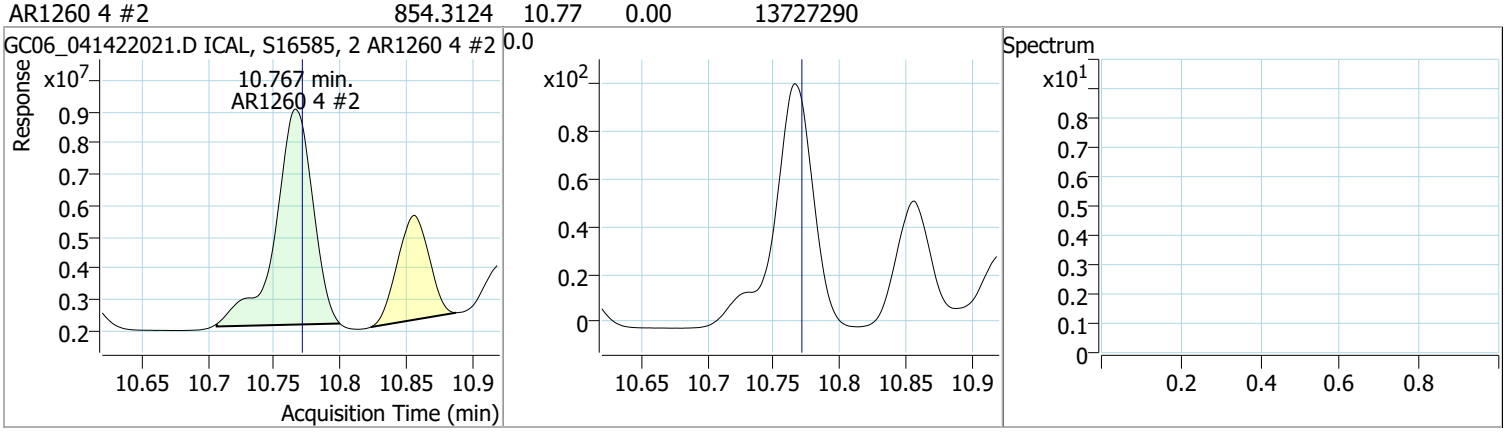
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	904.5572	10.24	0.00	26860418			



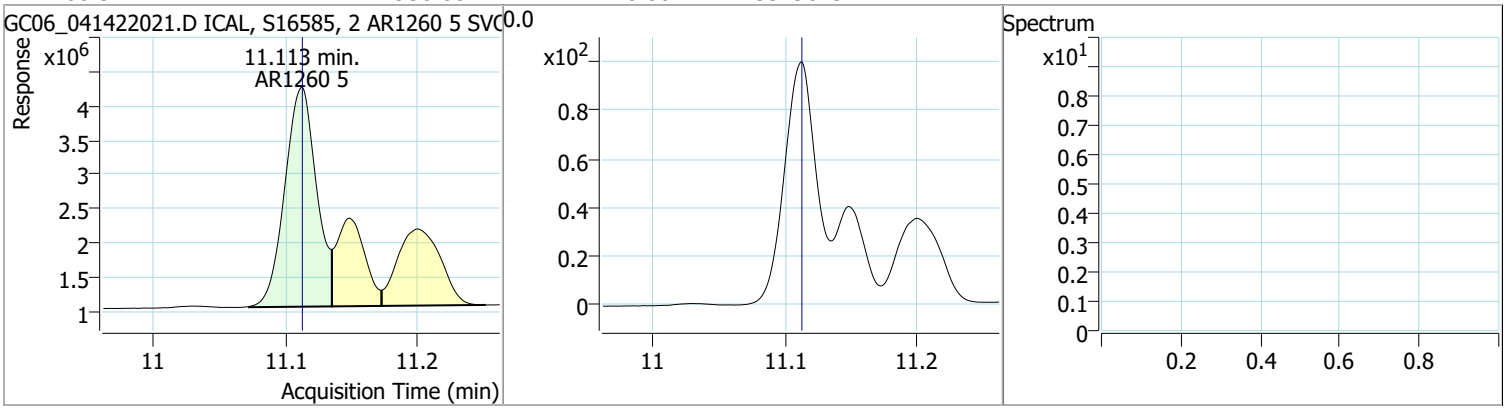
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	896.7543	10.33	0.00	3879336			



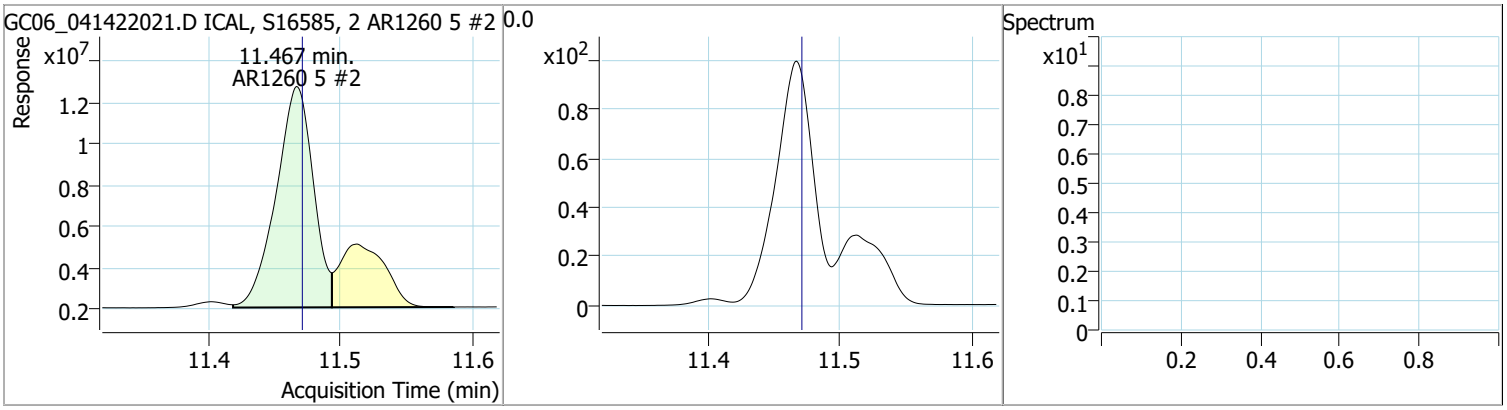
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	854.3124	10.77	0.00	13727290			



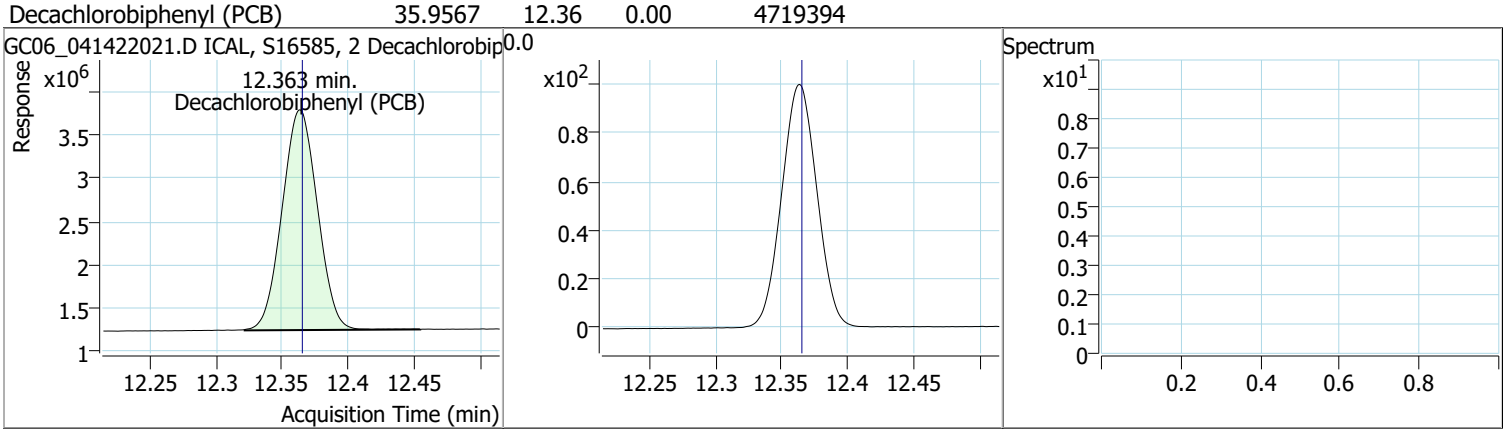
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	930.8812	11.11	0.00	5329819			



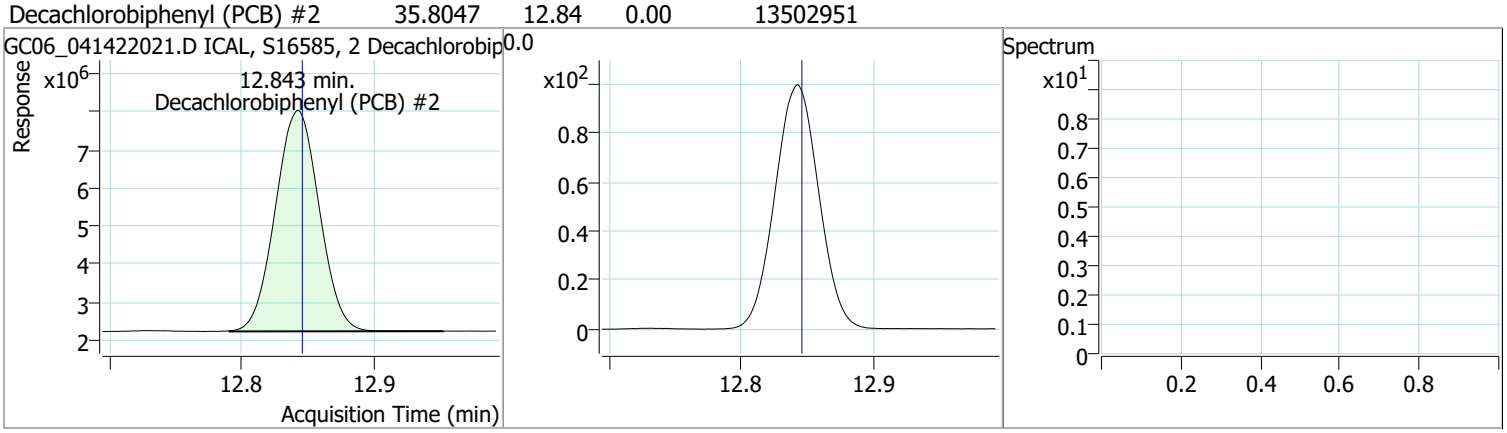
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	883.4334	11.47	0.00	20928472			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	35.9567	12.36	0.00	4719394			

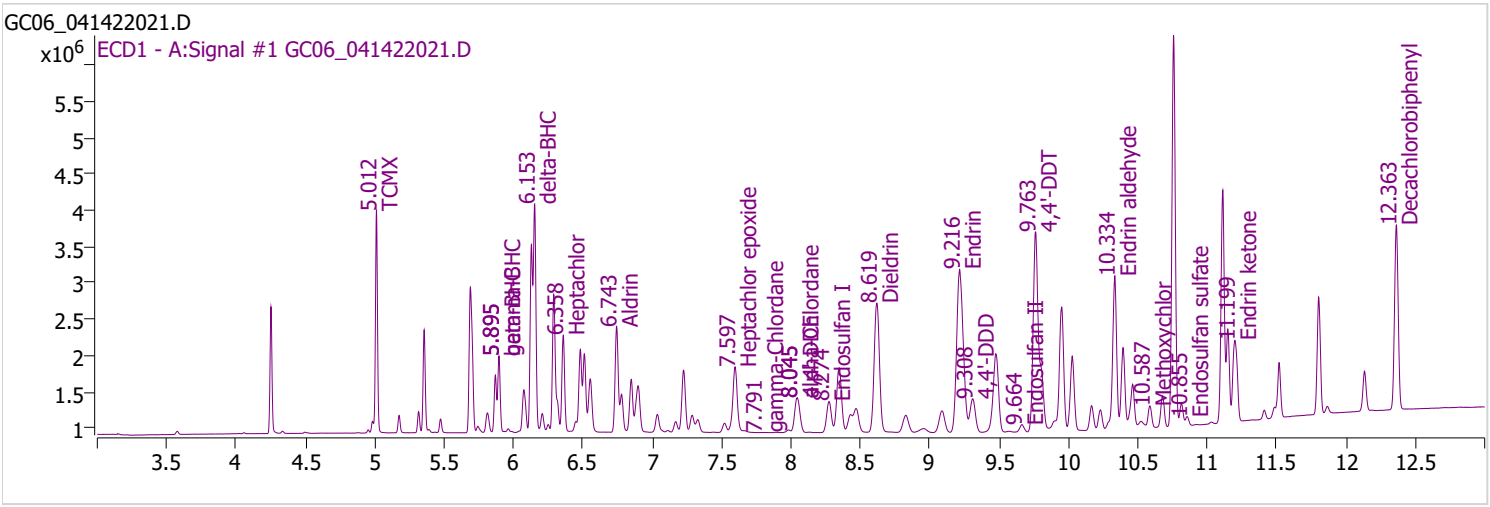


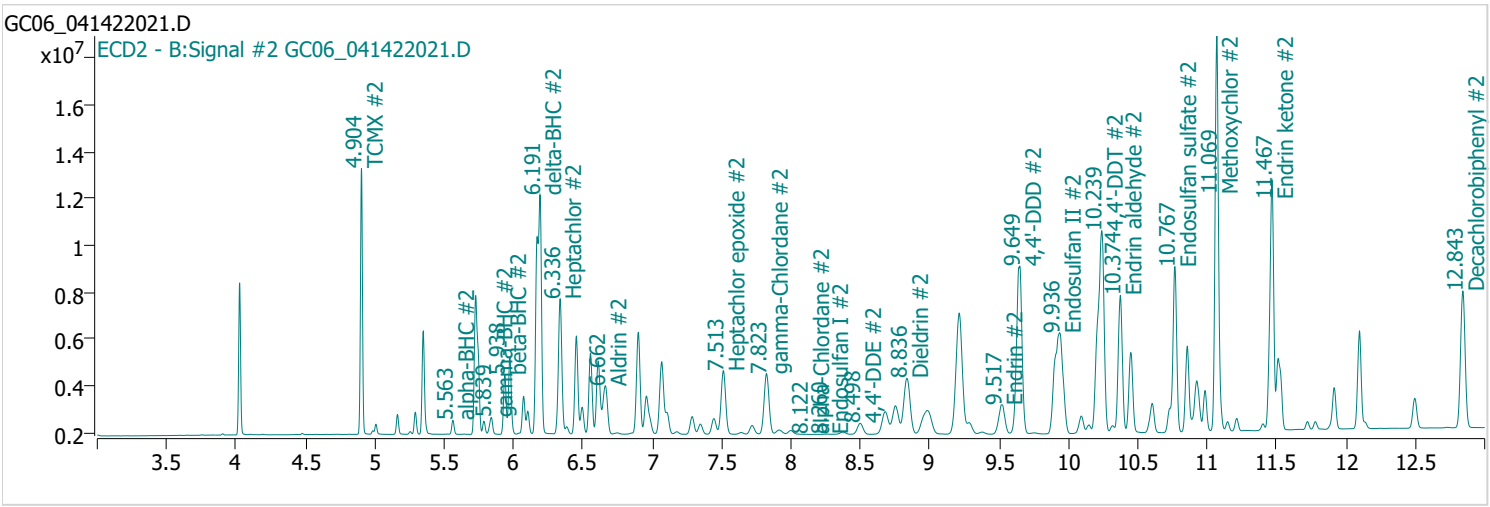
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	35.8047	12.84	0.00	13502951			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422021.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 8:26:46 PM
Sample Name	ICAL, S16585, 2	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 117	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 8:41:01 PM



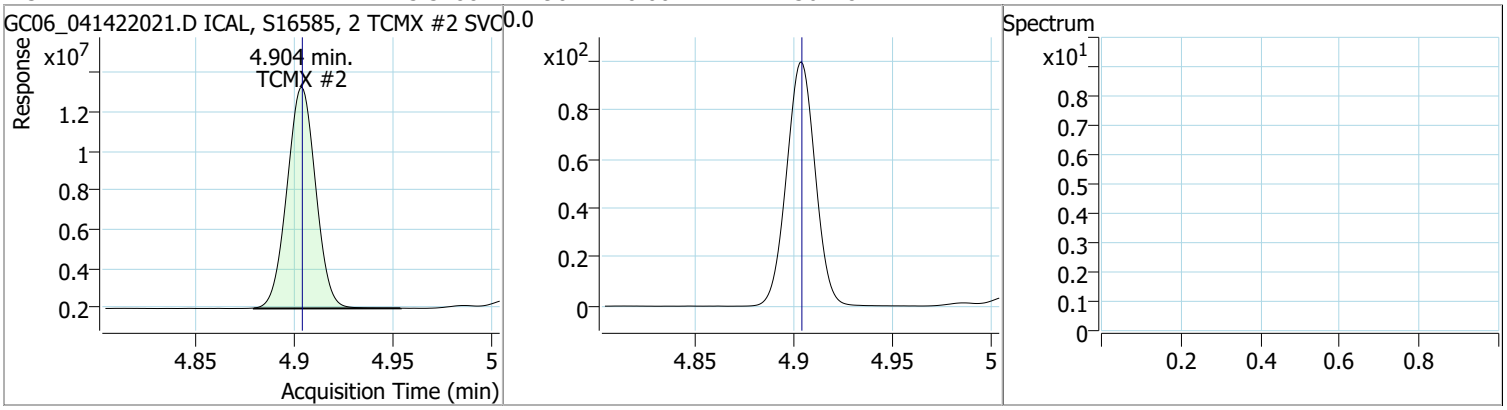


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.252	4.026	1705220	6237320	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.012	4.904	3158750	11436748	43.261	45.379	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	216.31% *	226.89% *	
S Decachlorobiphenyl	12.363	12.843	4708900	13481222	42.652	40.727	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	213.26% *	203.63% *	
Target Compounds							
T alpha-BHC	----	5.563 f	0	677720	N.D.	3.259 #	ng/ml
T gamma-BHC	5.895	5.839	1258227	1016202	19.400	4.801 #	ng/ml
T beta-BHC	5.895	5.938	1248074	3295961	36.476	25.558 #	ng/ml
T delta-BHC	6.153	6.191	4030553	25296848	43.626	54.949 #	ng/ml
T Heptachlor	6.358	6.336	1644144	10093516	23.861	33.141 #	ng/ml
T Aldrin	6.743	6.662 f	2292942	4639458	30.597	20.409 #	ng/ml
T Heptachlor epoxide	7.597	7.513	1939346	5680328	27.101	23.252	ng/ml
T gamma-Chlordane	7.791	7.823	1248	6263878	0.024	23.585 #	ng/ml
T alpha-Chlordane	8.045	8.122	784249	670	13.887	0.004 #	ng/ml

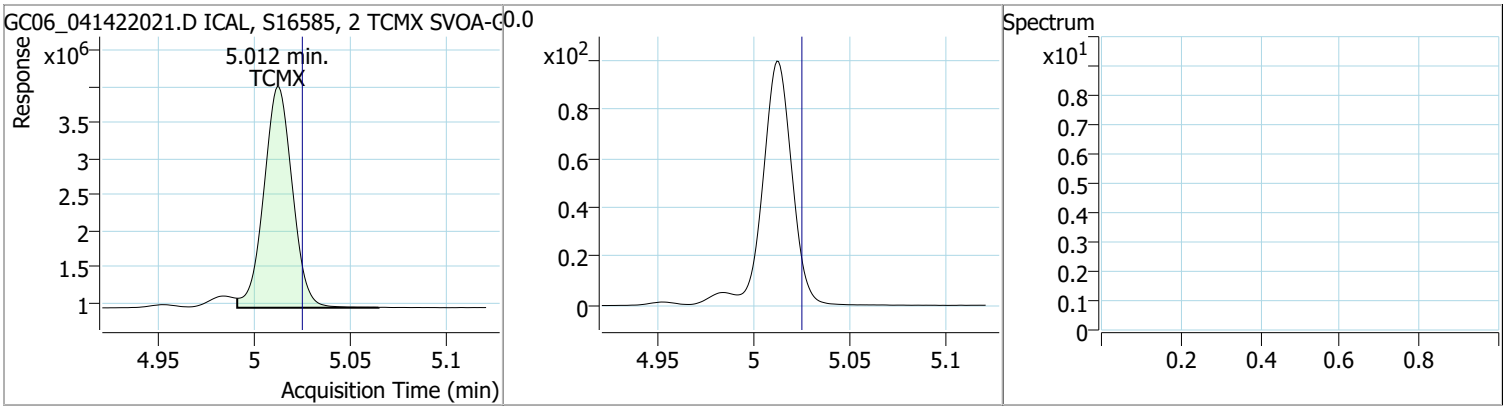
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.274	8.260	987150	29273	18.316	0.170 #	ng/ml
T 4,4'-DDE	8.045	8.498 f	1192619	1323530	21.697	7.827 #	ng/ml
T Dieldrin	8.619	8.836	4757019	6645238	62.667	31.893 #	ng/ml
T Endrin	9.216	9.517	6874073	3668606	83.813	20.156 #	ng/ml
T 4,4'-DDD	9.308	9.649 f	721711	17662285	18.058	90.039 #	ng/ml
T Endosulfan II	9.664	9.936 f	211278	18596498	4.222	70.312 #	ng/ml
T 4,4'-DDT	9.763	10.239	7825709	26703508	119.179	87.819 #	ng/ml
T Endrin aldehyde	10.334	10.374	3615488	11626546	68.488	61.806	ng/ml
T Endosulfan sulfate	10.855	10.767	106741	14667492	2.409	66.646 #	ng/ml
T Methoxychlor	10.587	11.069 f	491010	29283753	18.261	240.145 #	ng/ml
T Endrin ketone	11.199	11.467 f	1997888	19548666	31.690	69.601 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

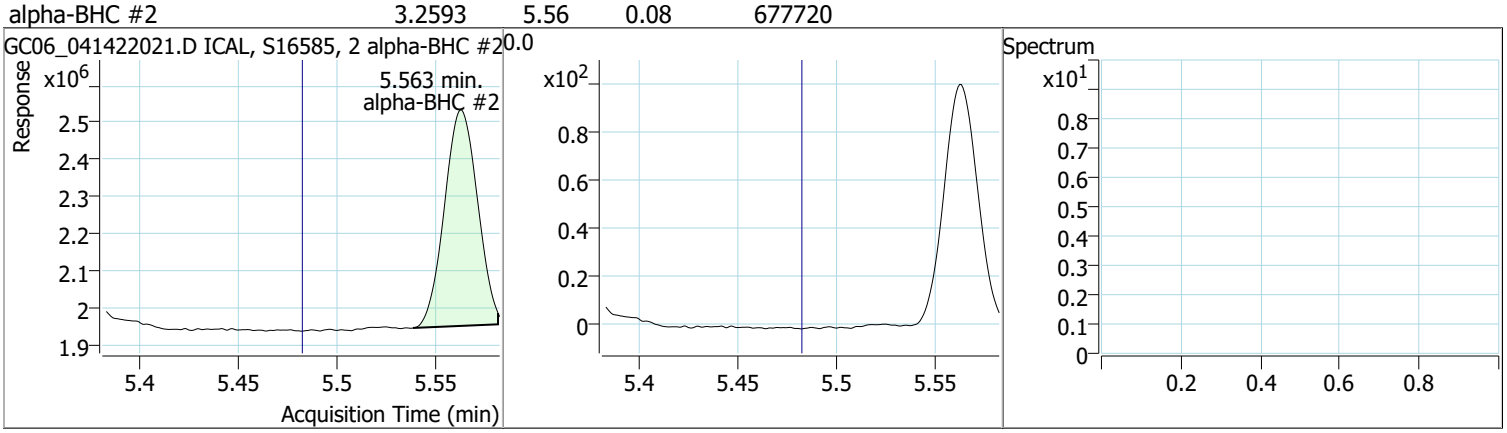
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	45.3788	4.90	0.00	11436748			



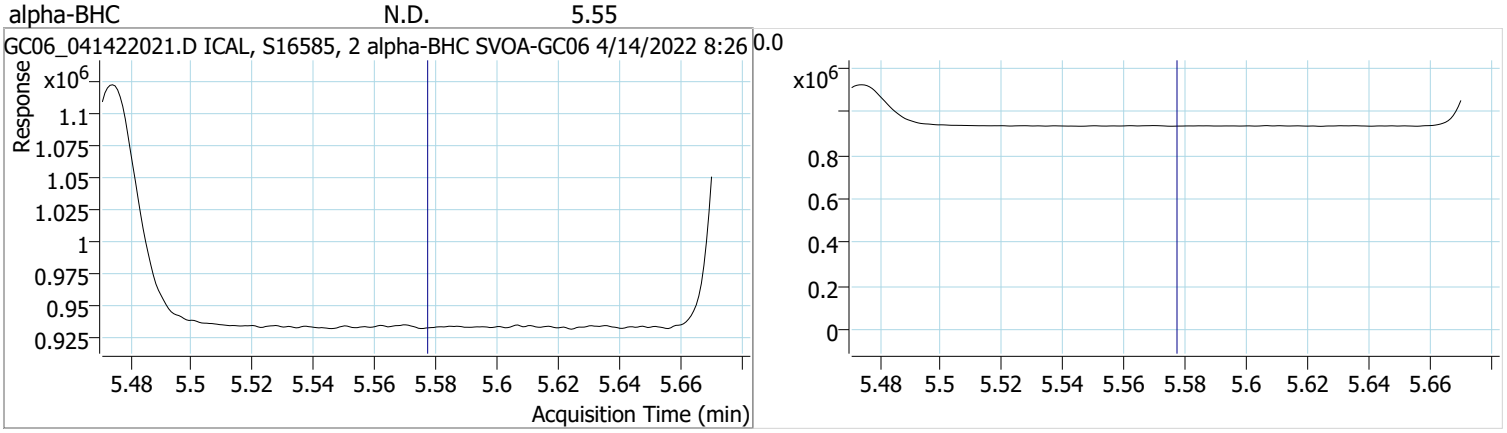
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	43.2613	5.01	0.01	3158750			



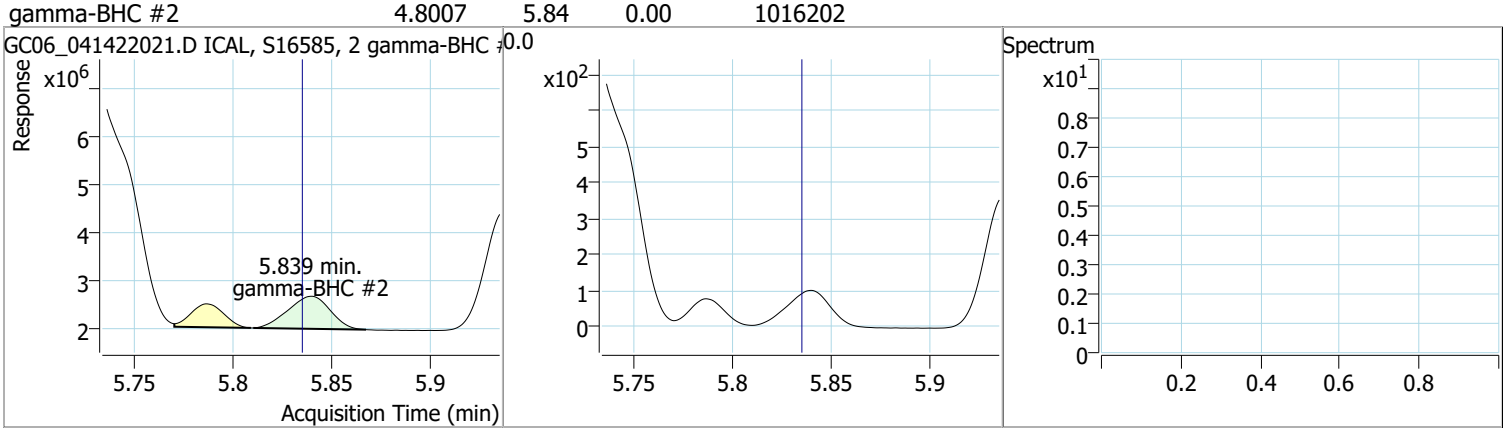
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	3.2593	5.56	0.08	677720			



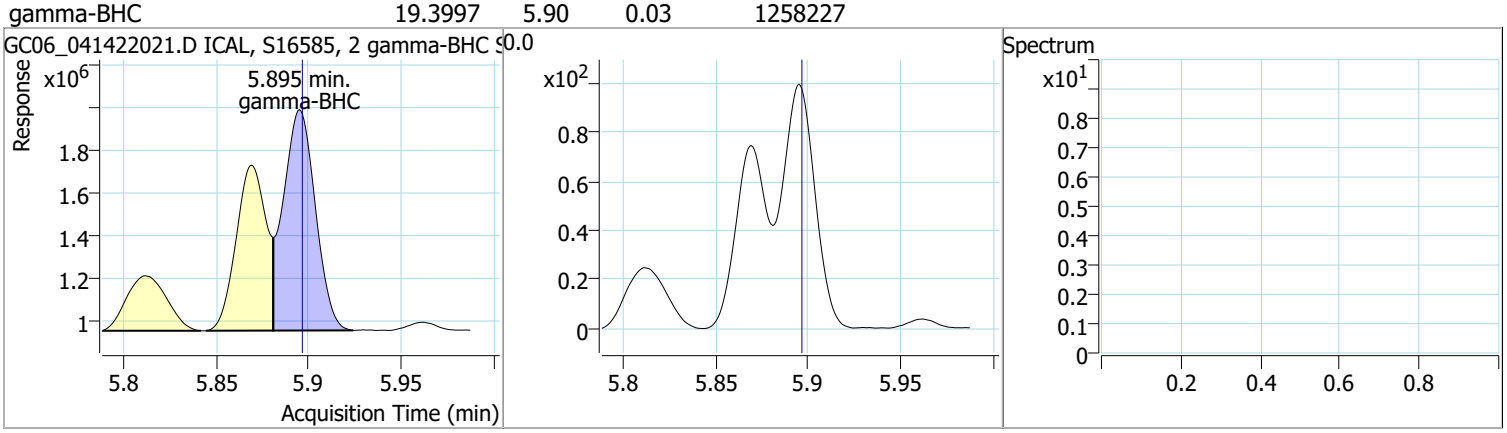
Compound	Conc.		Exp Ratio
alpha-BHC	N.D.	5.55	



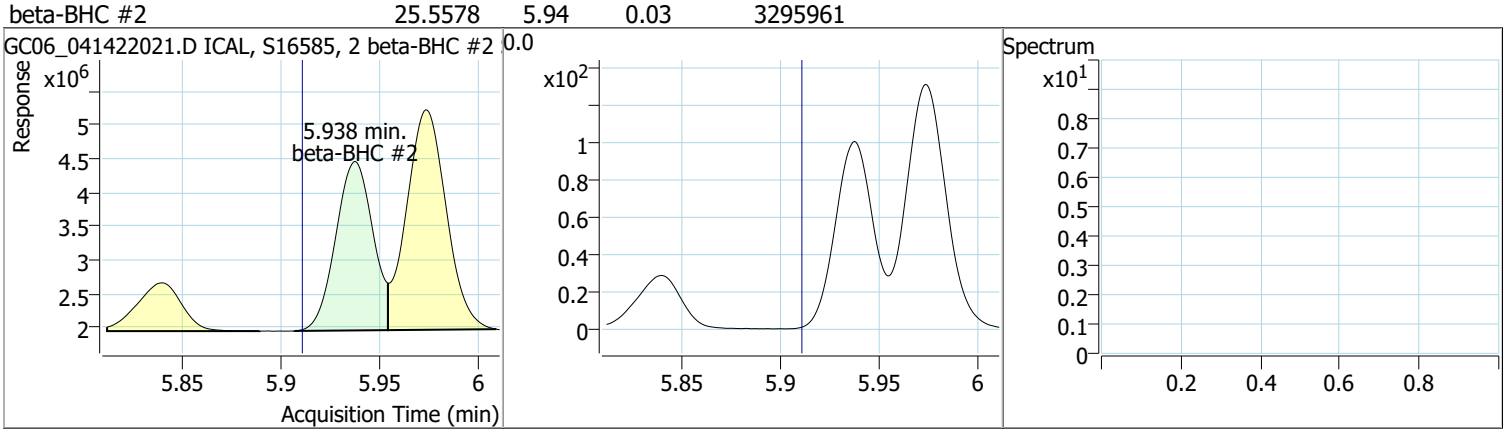
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	4.8007	5.84	0.00	1016202			



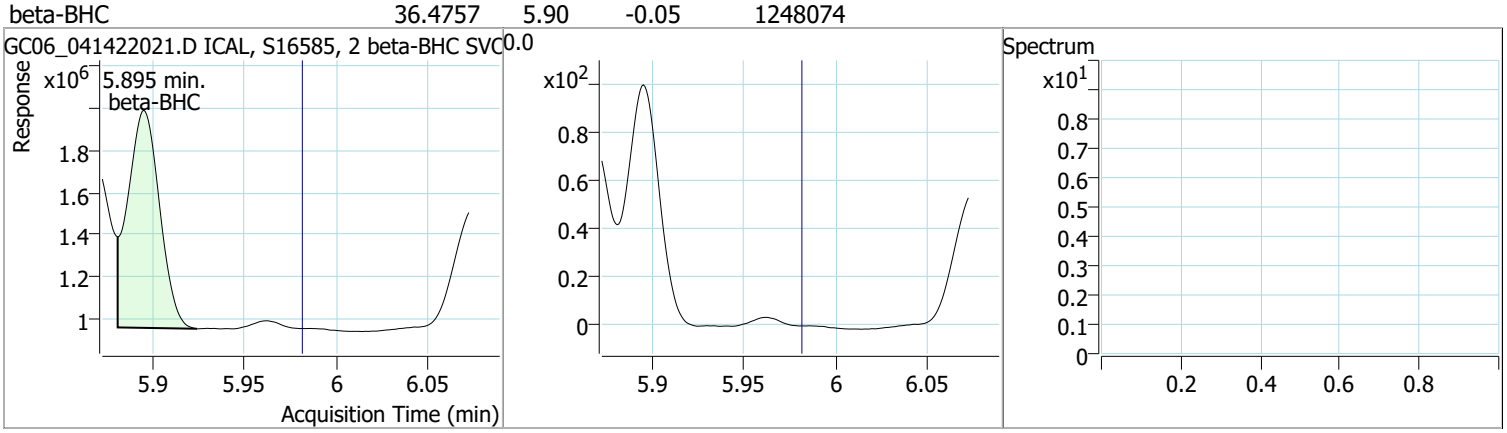
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	19.3997	5.90	0.03	1258227			



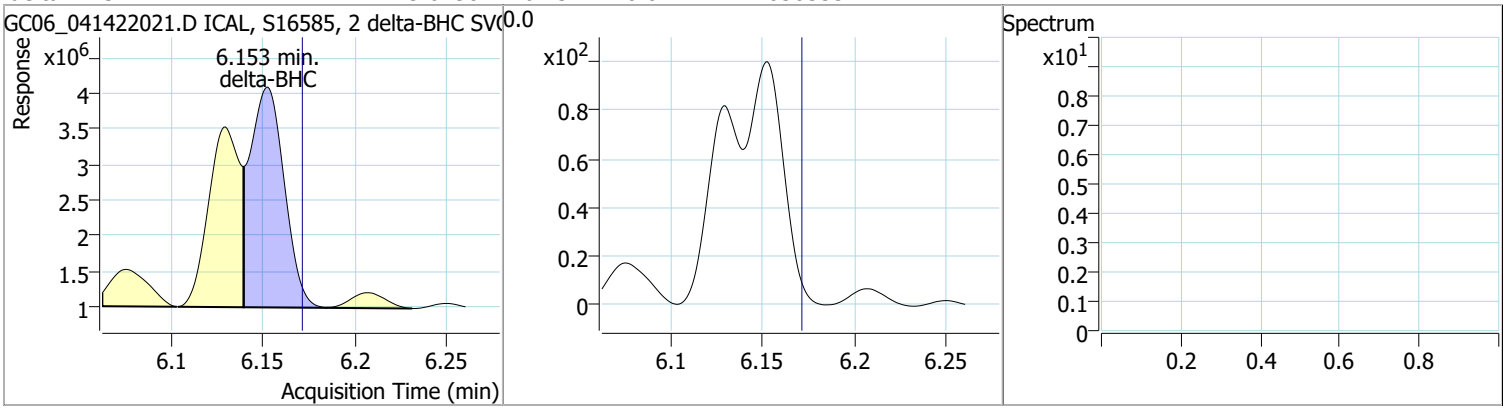
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	25.5578	5.94	0.03	3295961			



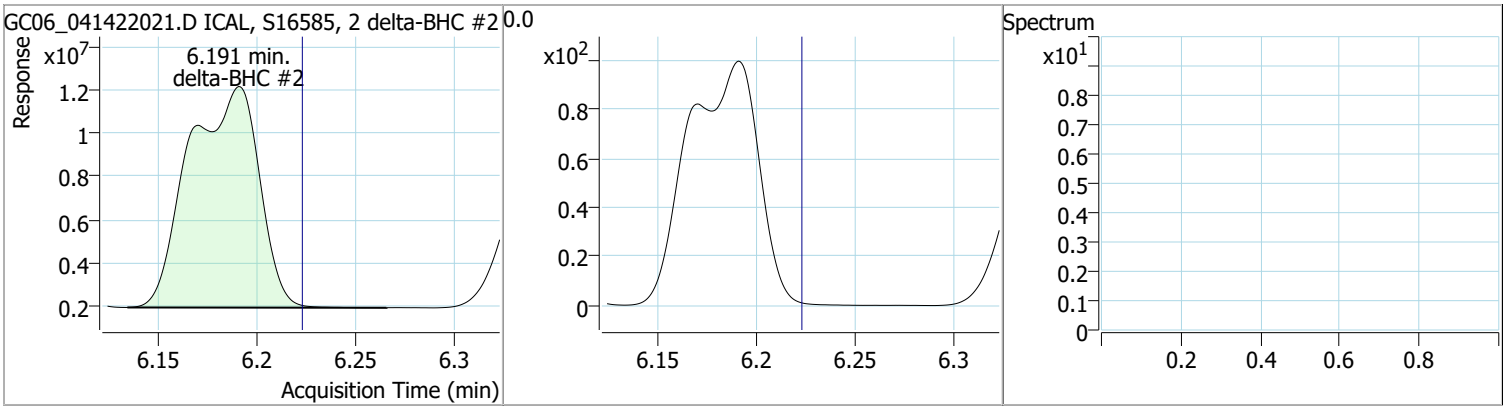
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	36.4757	5.90	-0.05	1248074			



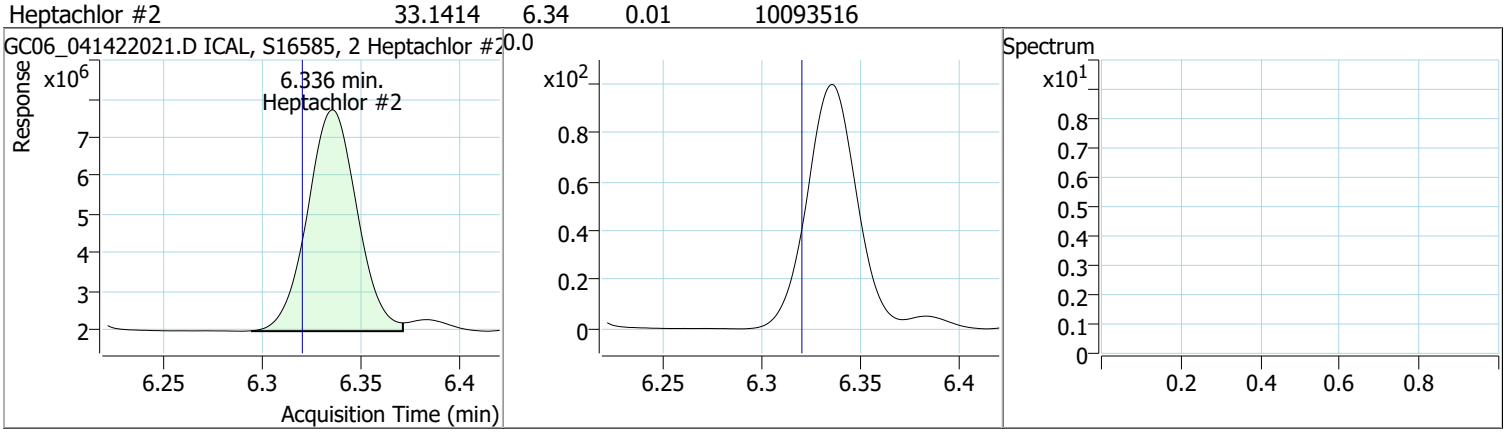
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	43.6258	6.15	0.01	4030553			



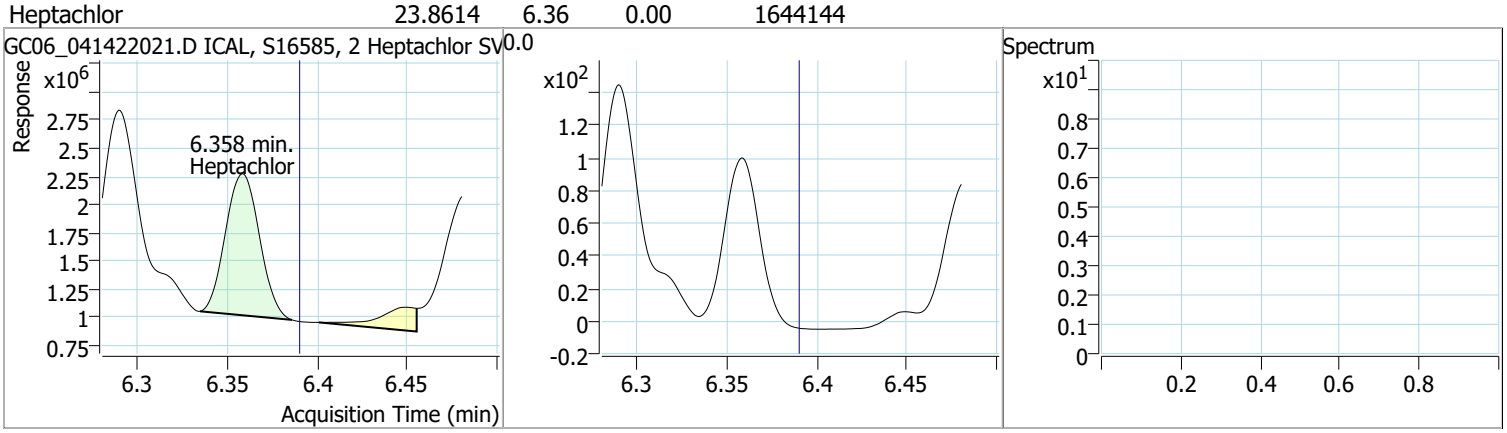
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	54.9494	6.19	-0.03	25296848			



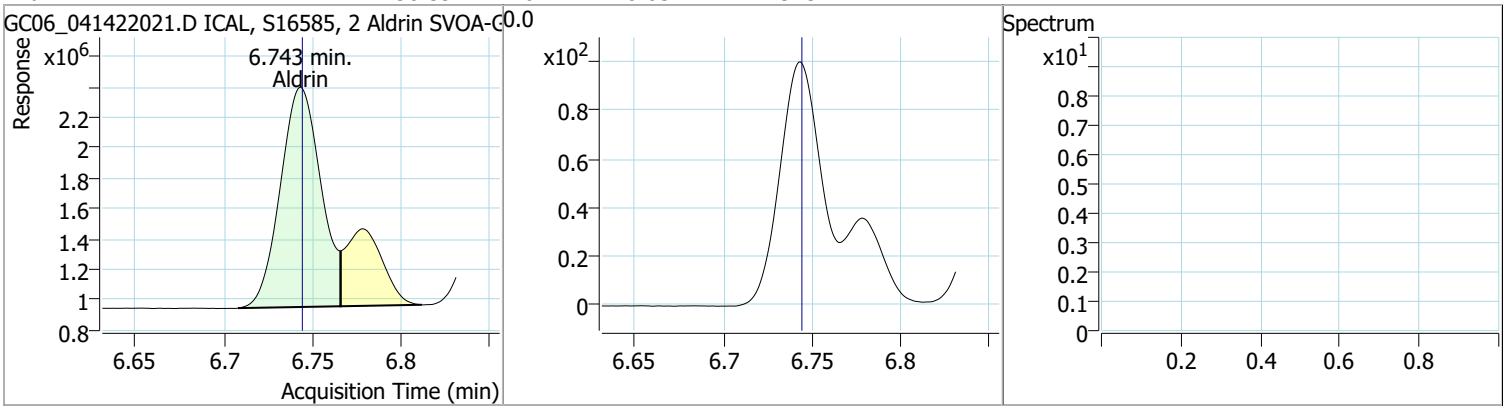
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	33.1414	6.34	0.01	10093516			



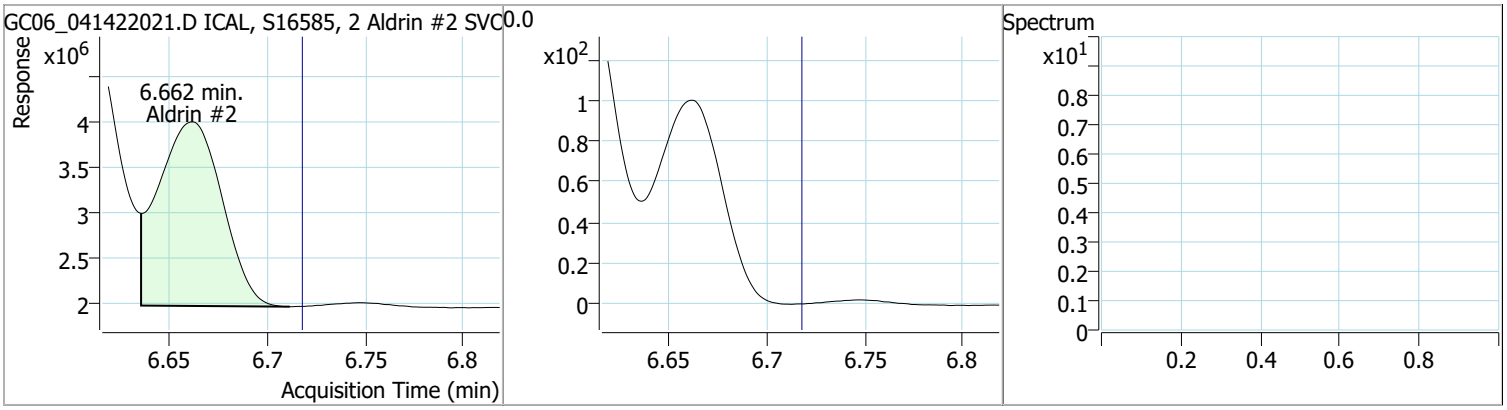
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	23.8614	6.36	0.00	1644144			



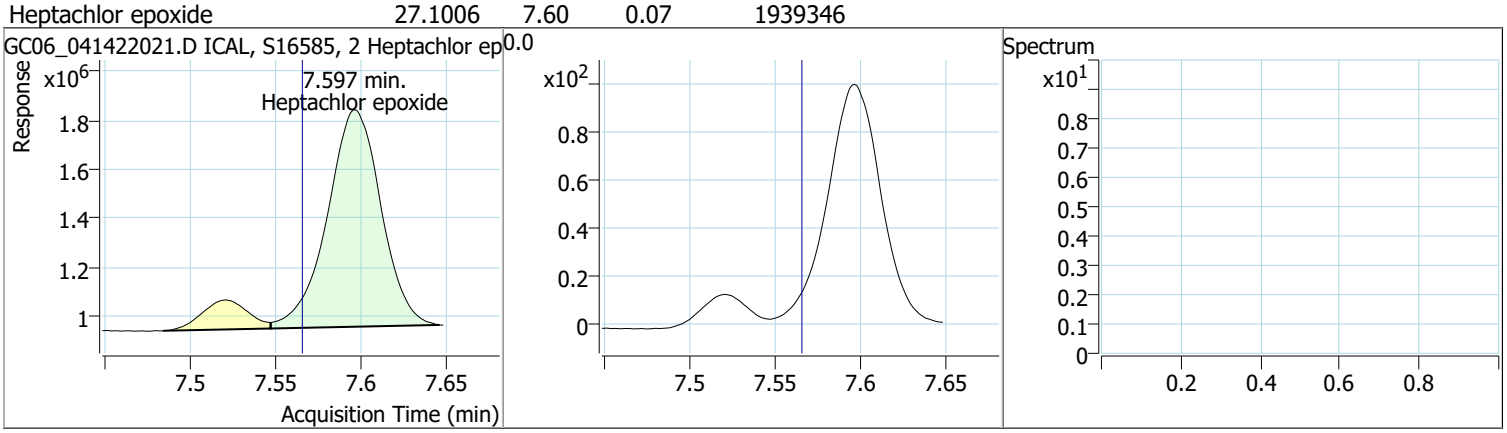
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	30.5971	6.74	0.03	2292942			



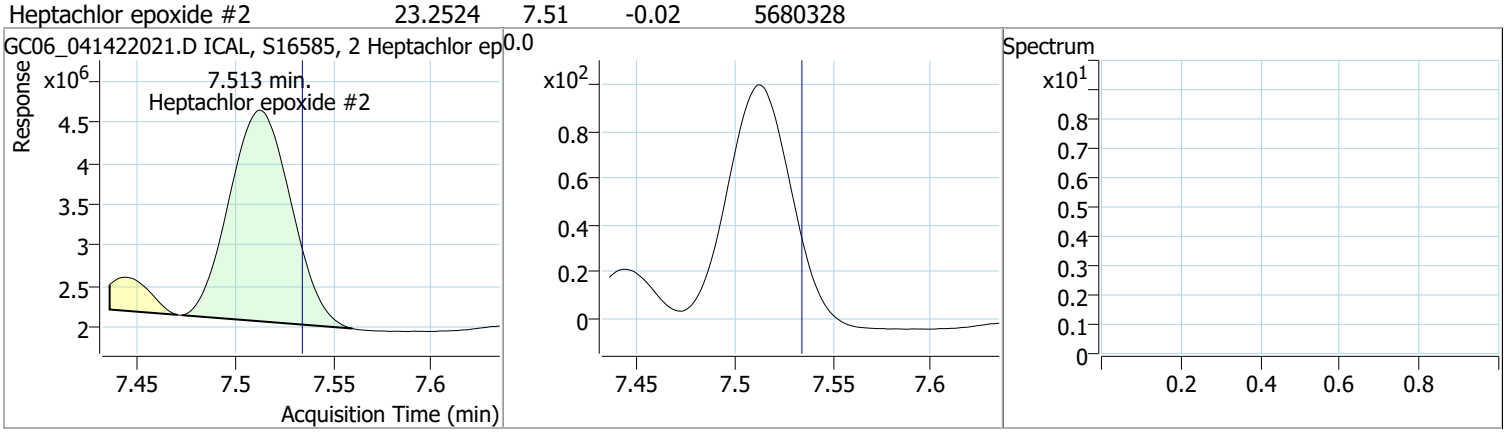
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	20.4087	6.66	-0.06	4639458			



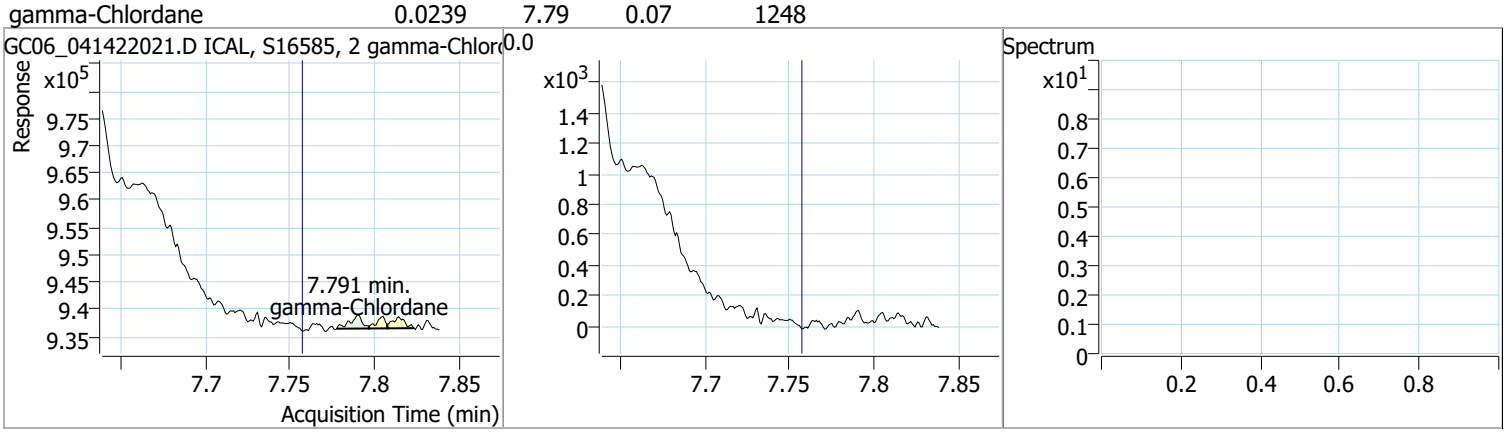
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	27.1006	7.60	0.07	1939346			



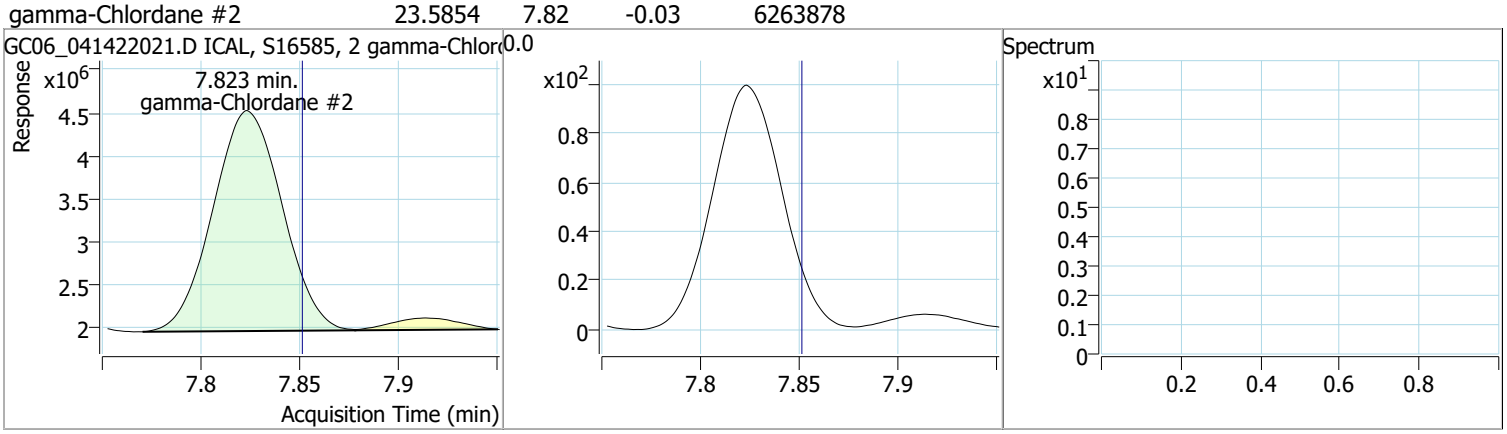
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	23.2524	7.51	-0.02	5680328			



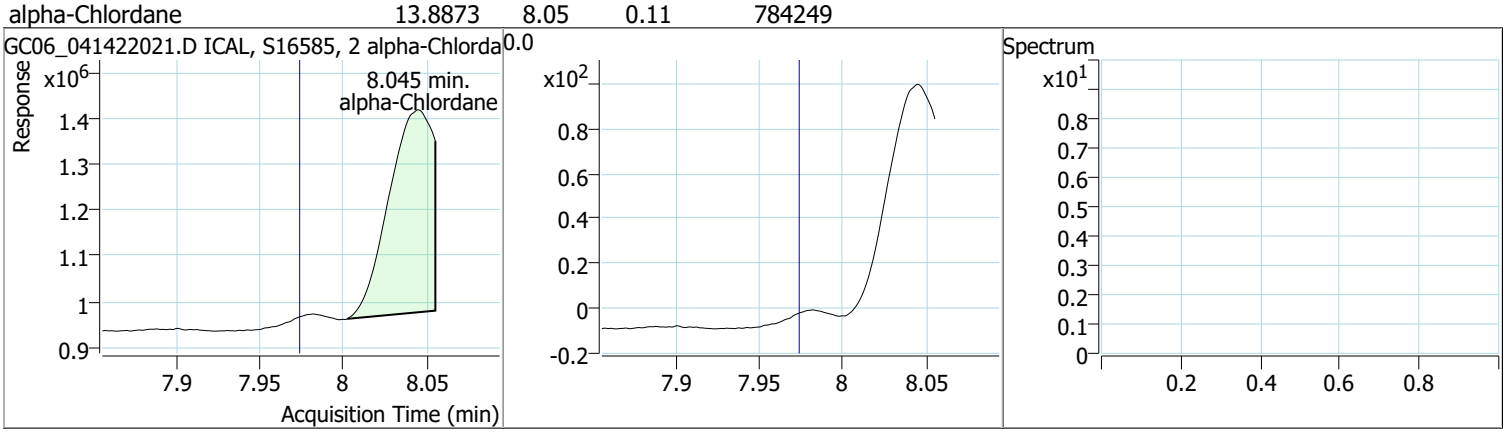
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.0239	7.79	0.07	1248			



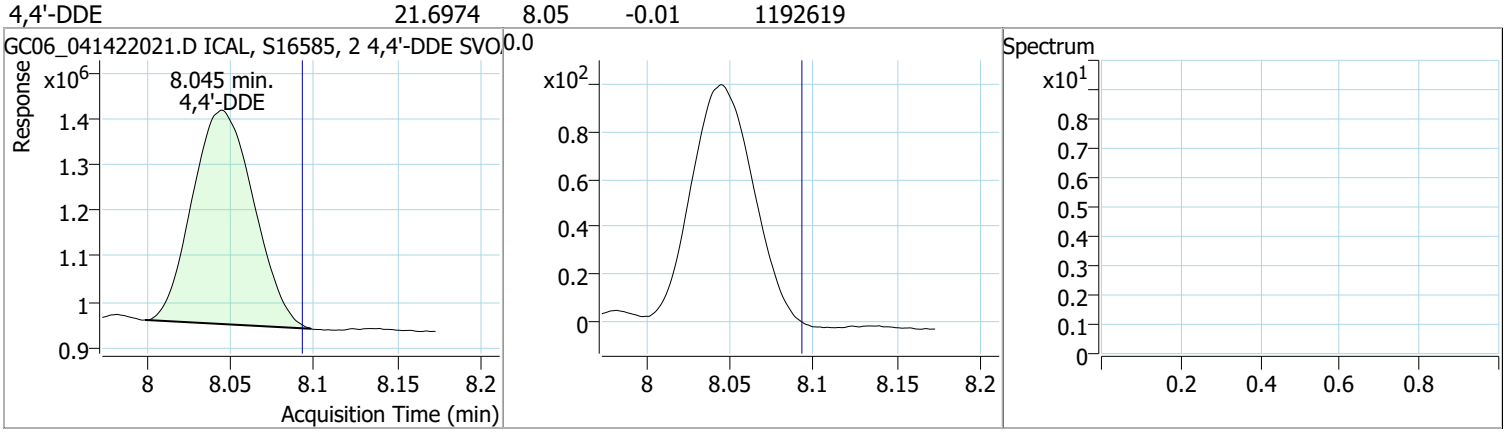
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	23.5854	7.82	-0.03	6263878			



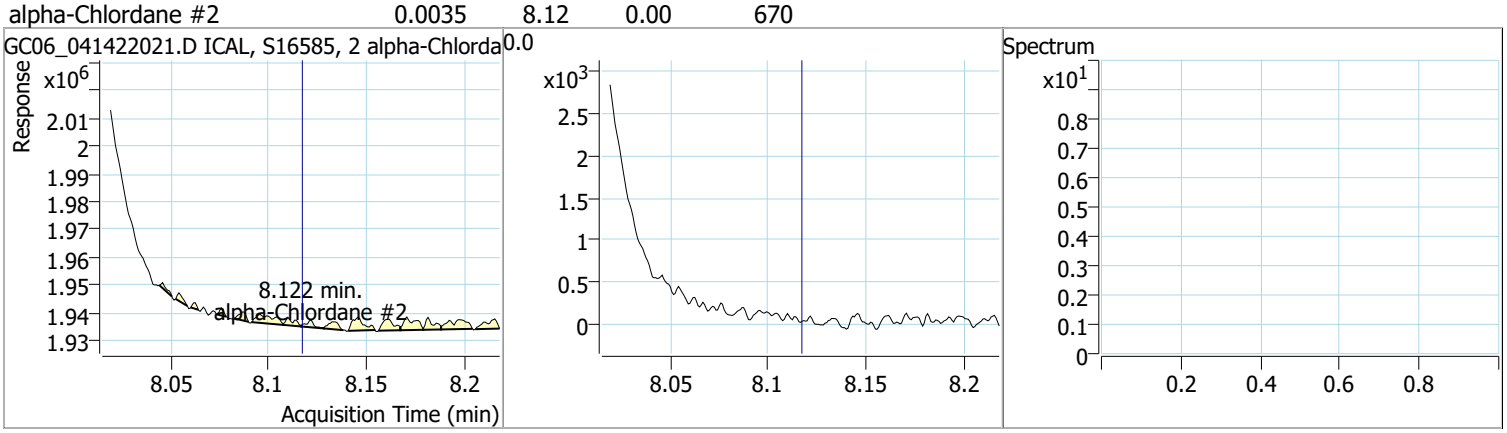
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	13.8873	8.05	0.11	784249			



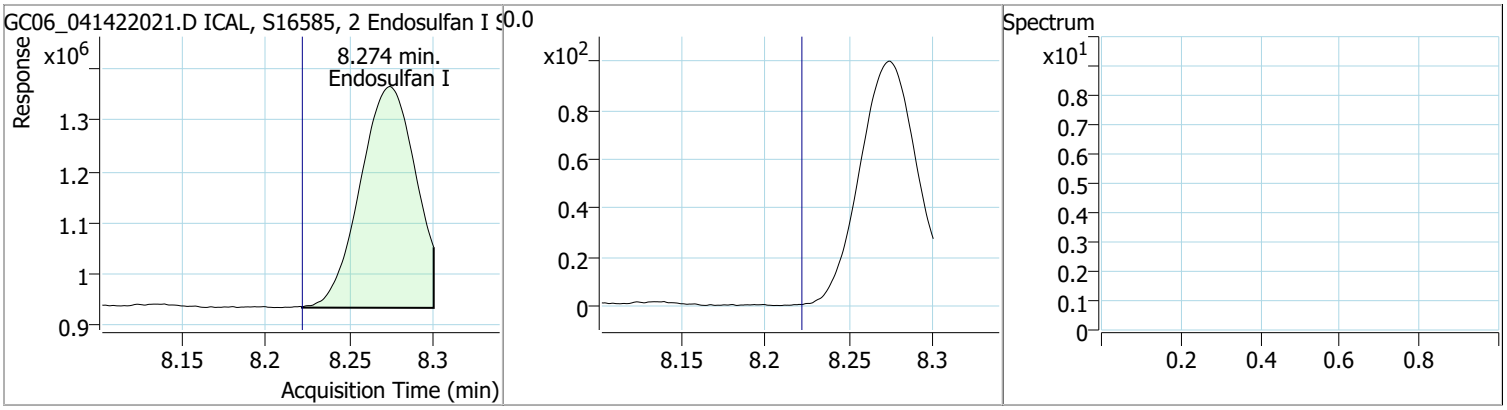
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	21.6974	8.05	-0.01	1192619			



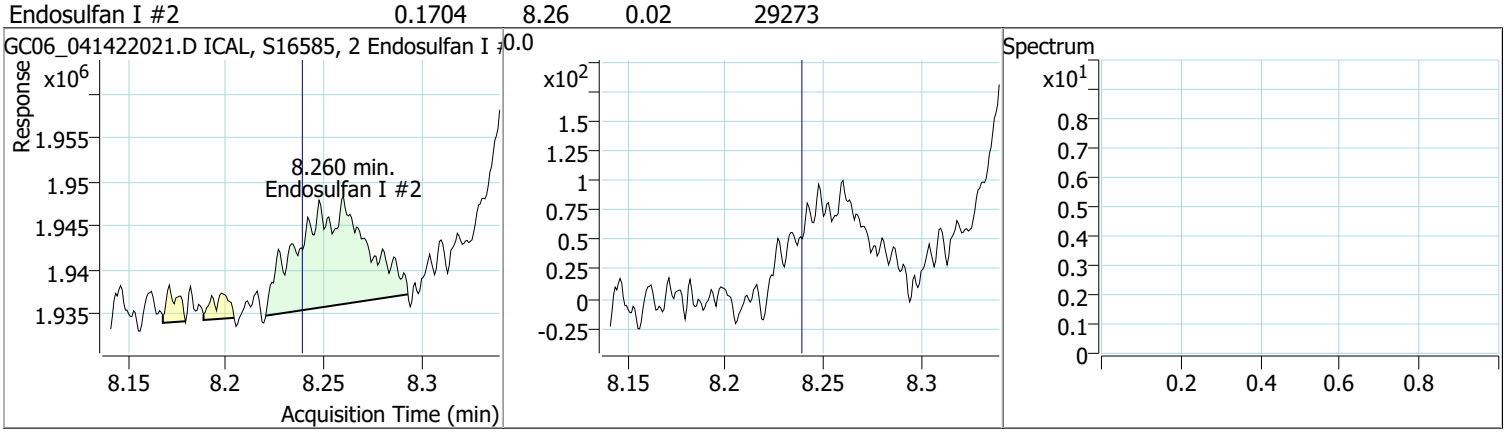
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane #2	0.0035	8.12	0.00	670			



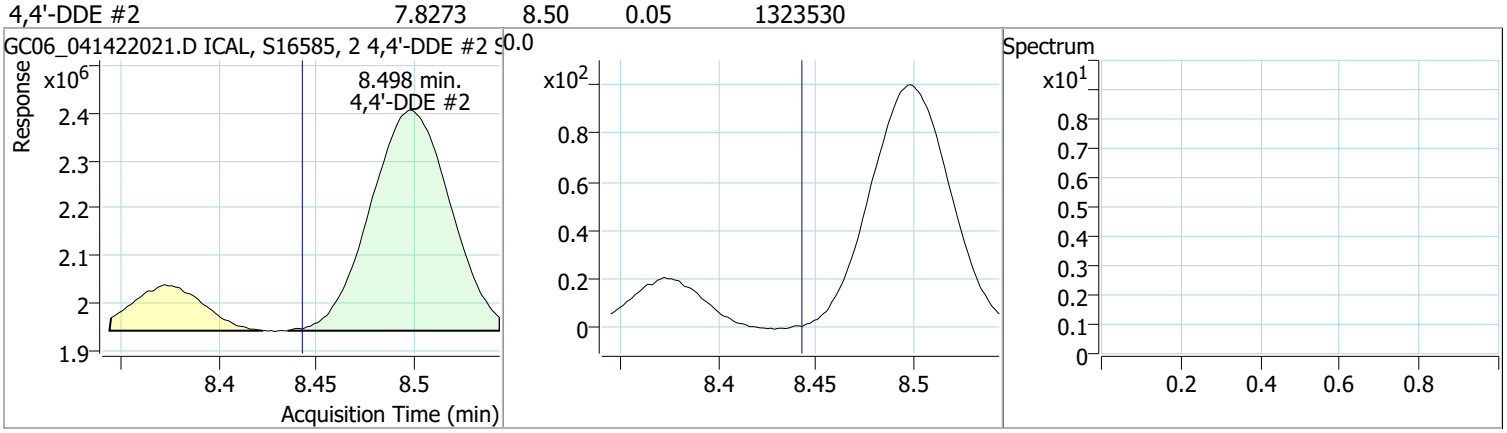
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	18.3161	8.27	0.10	987150			



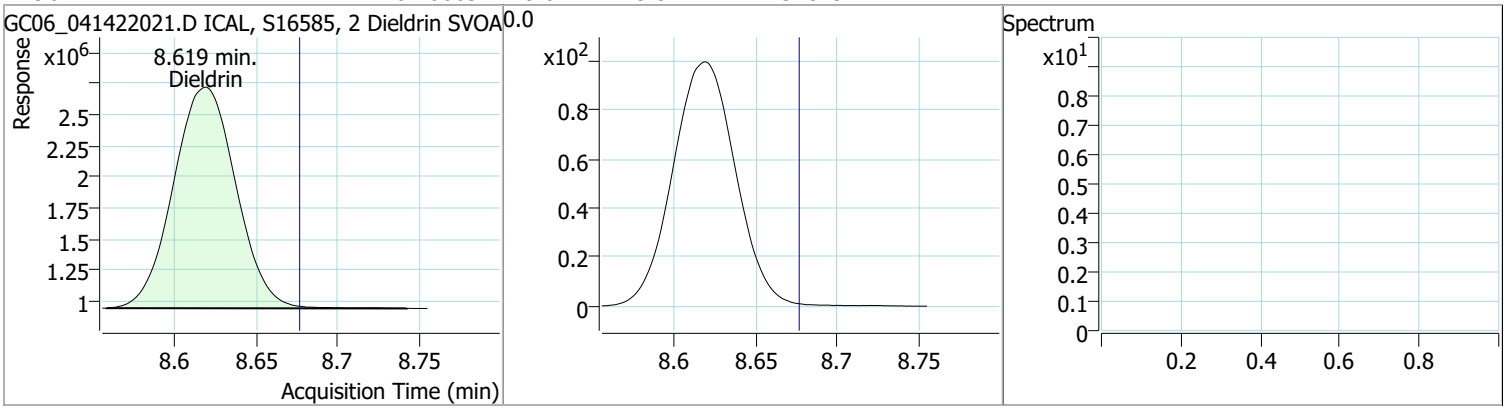
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I #2	0.1704	8.26	0.02	29273			



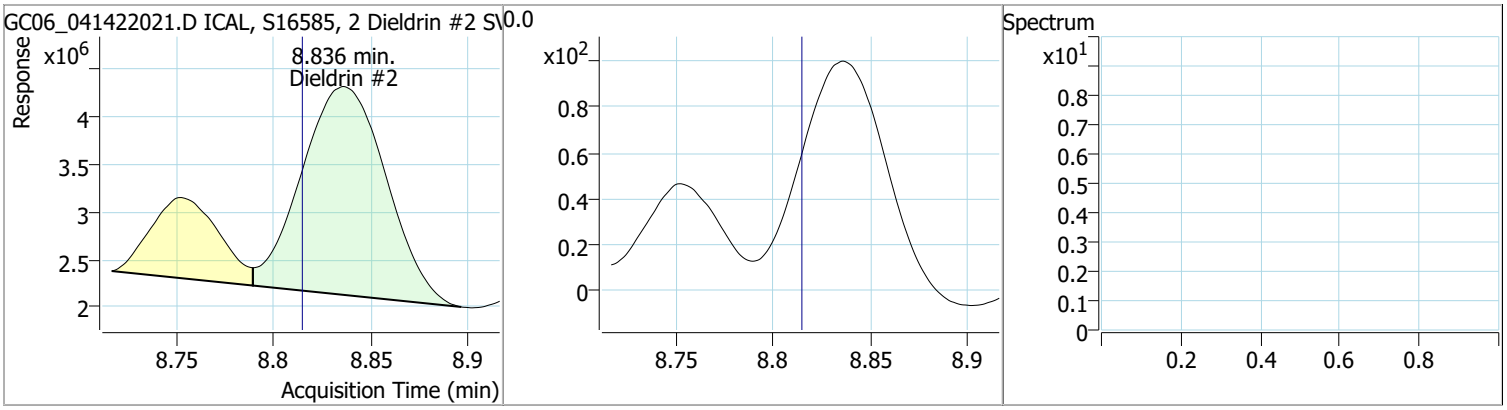
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	7.8273	8.50	0.05	1323530			



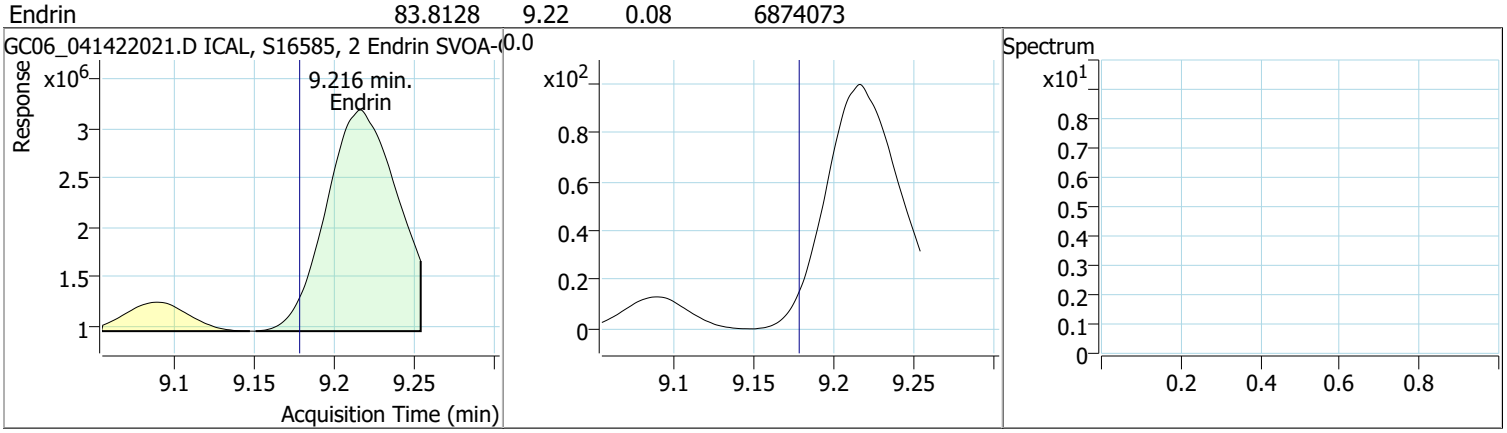
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin	62.6669	8.62	-0.01	4757019			



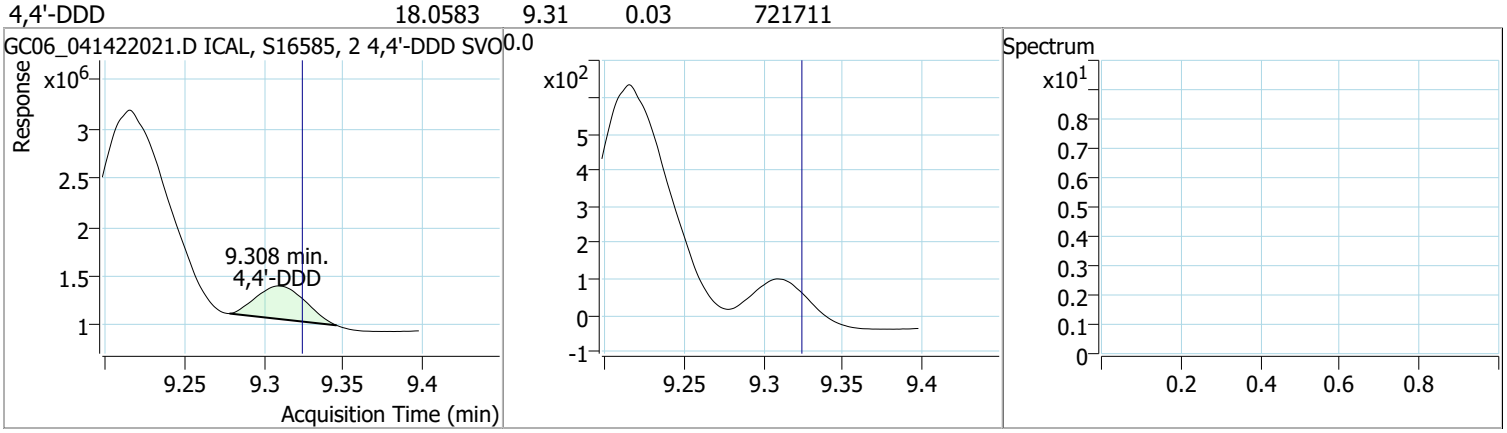
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	31.8934	8.84	0.02	6645238			



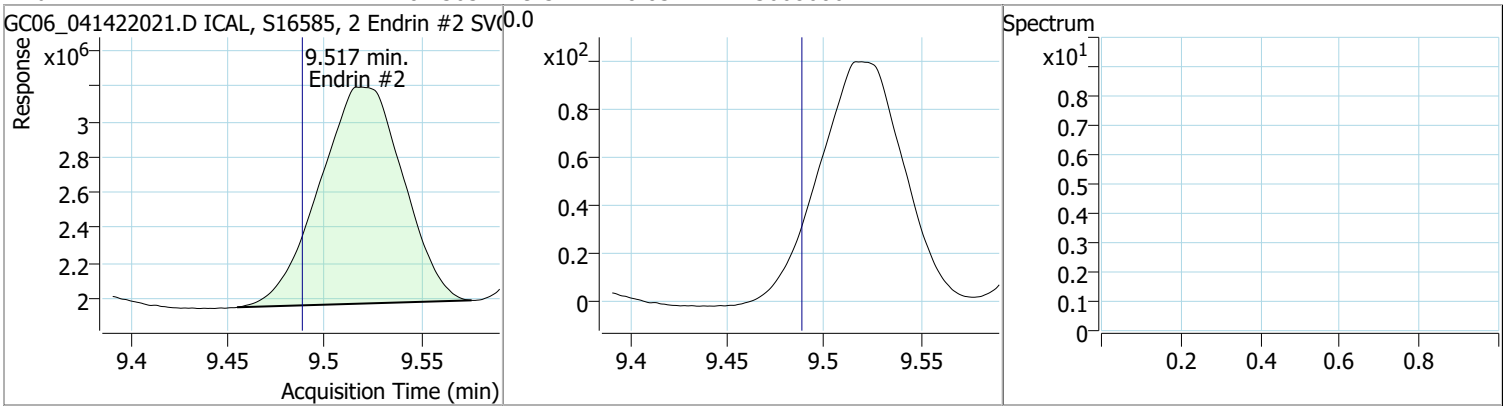
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin	83.8128	9.22	0.08	6874073			



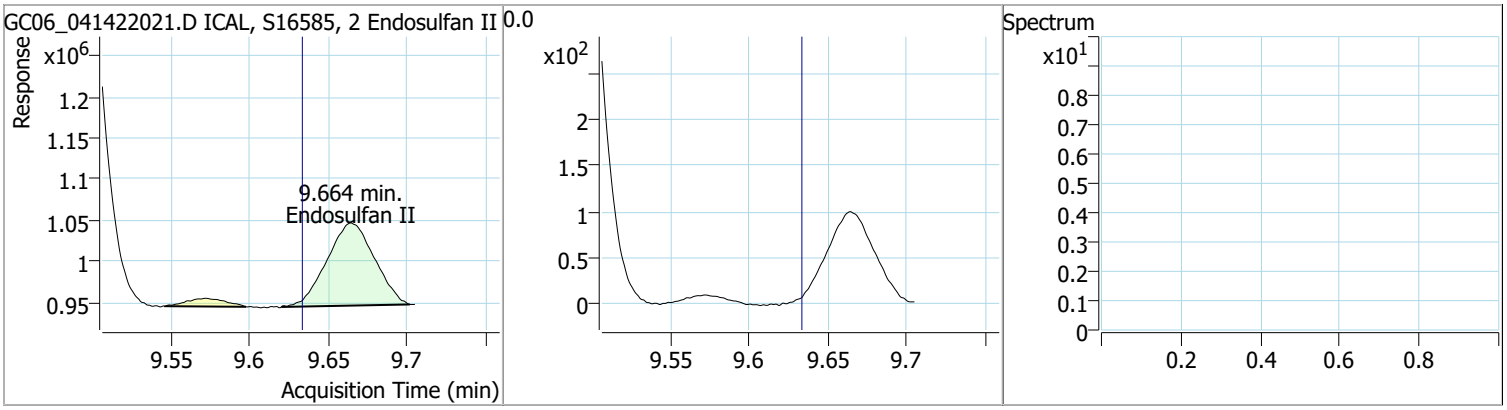
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	18.0583	9.31	0.03	721711			



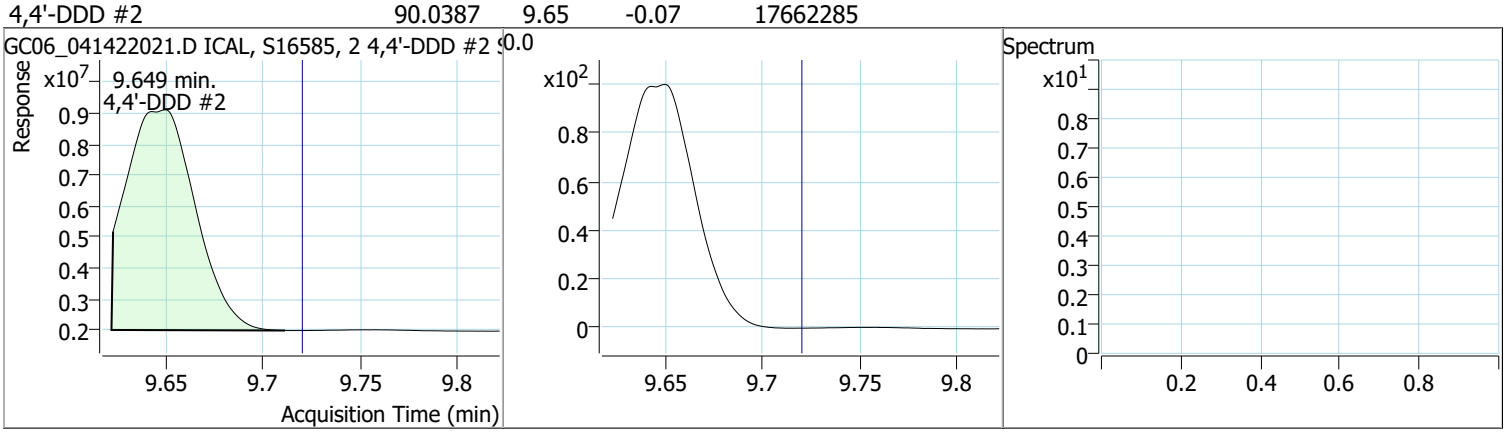
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin #2	20.1565	9.52	0.03	3668606			



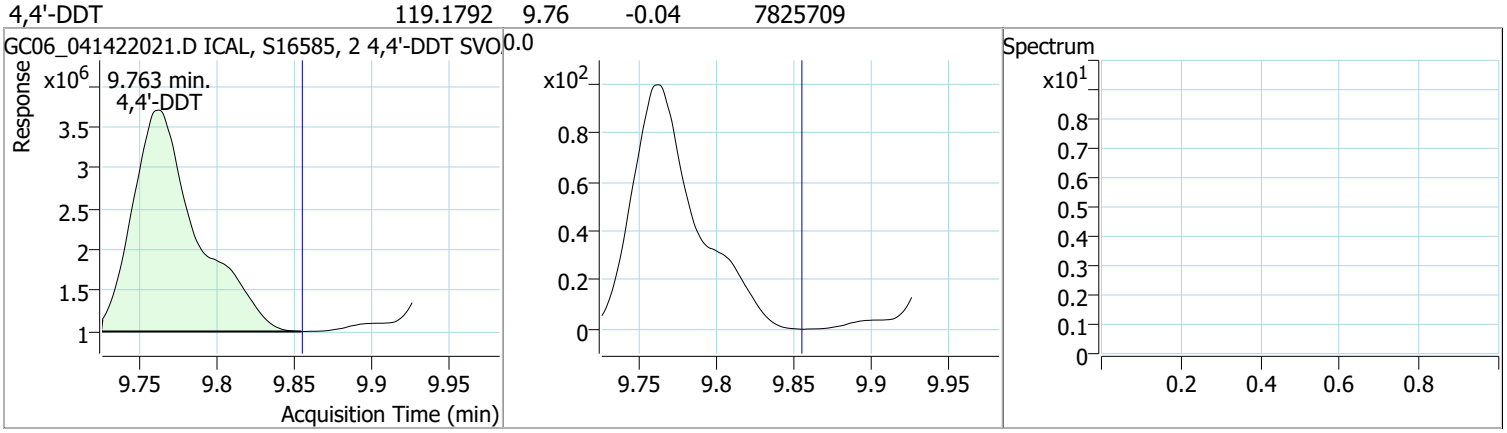
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II	4.2221	9.66	0.08	211278			



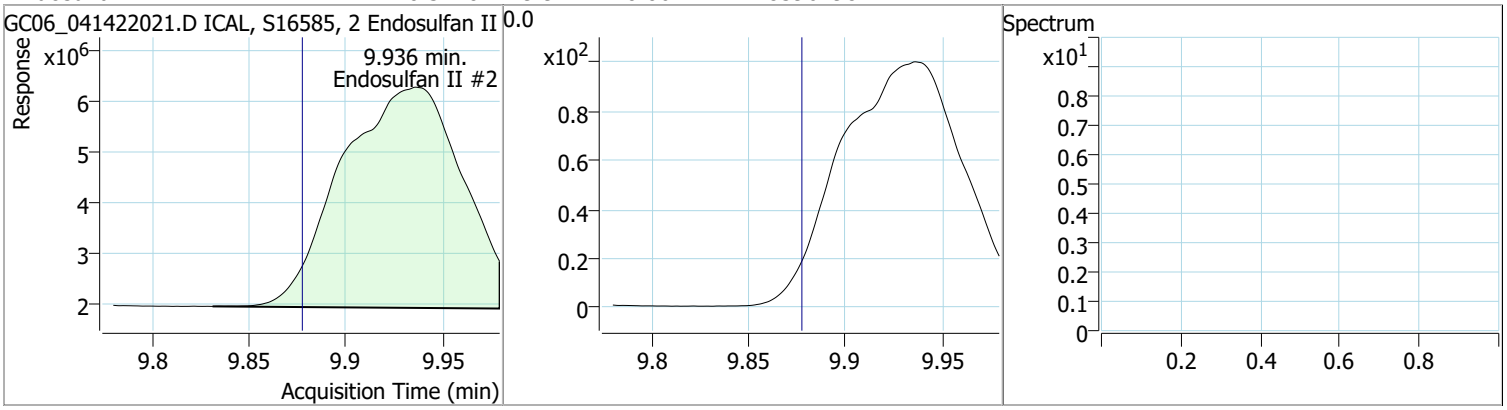
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	90.0387	9.65	-0.07	17662285			



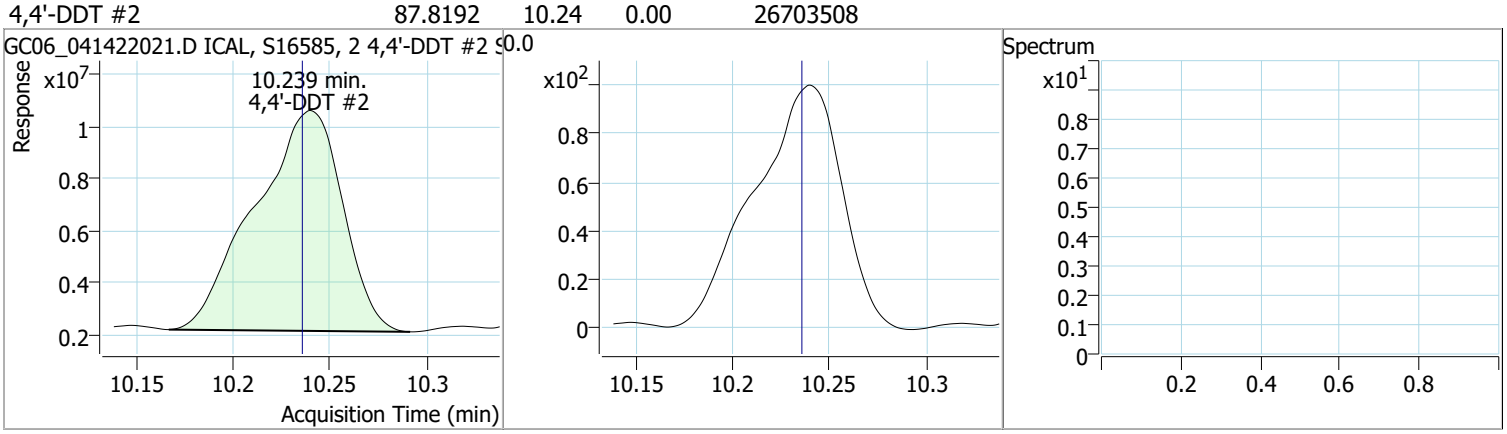
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	119.1792	9.76	-0.04	7825709			



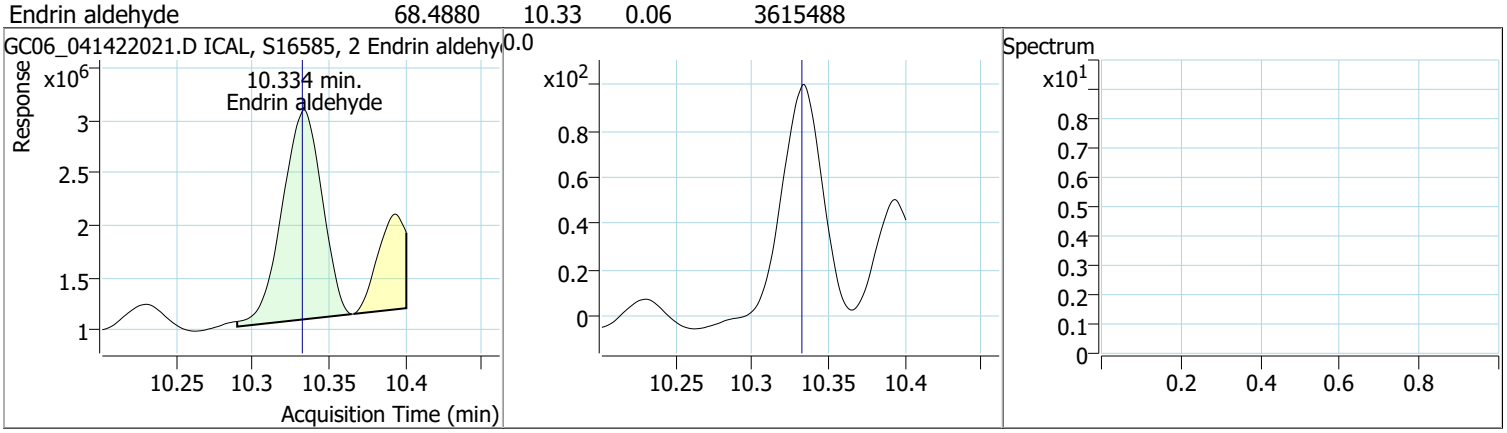
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	70.3120	9.94	0.06	18596498			



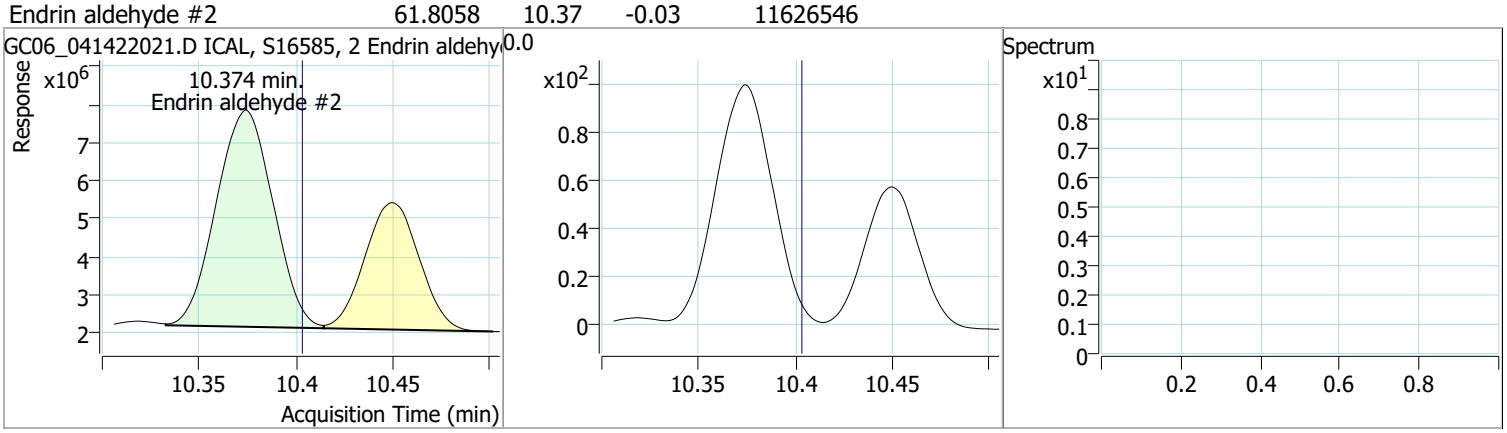
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	87.8192	10.24	0.00	26703508			



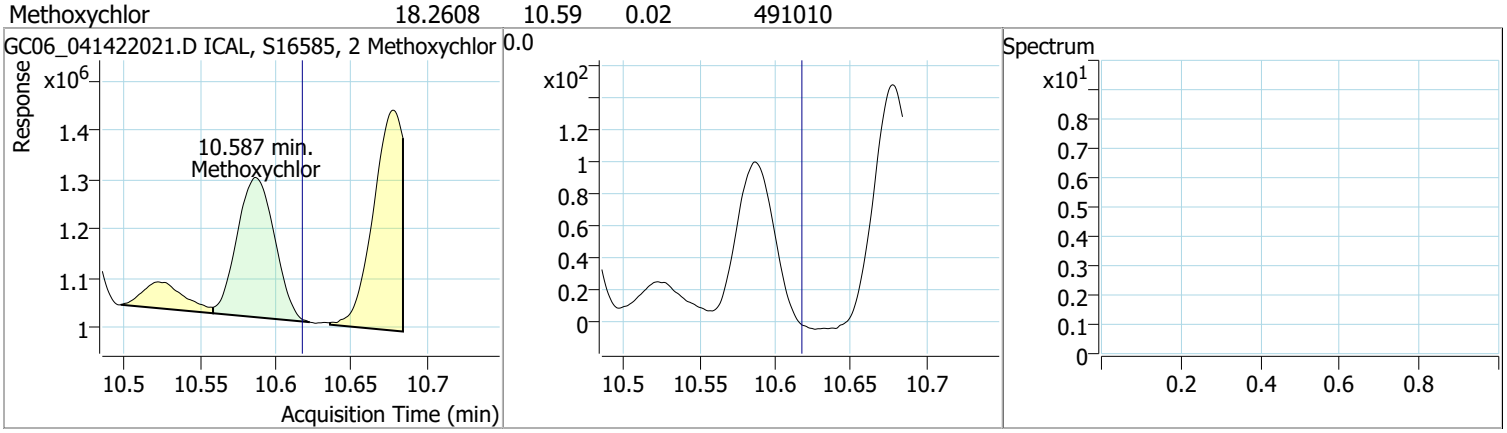
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	68.4880	10.33	0.06	3615488			



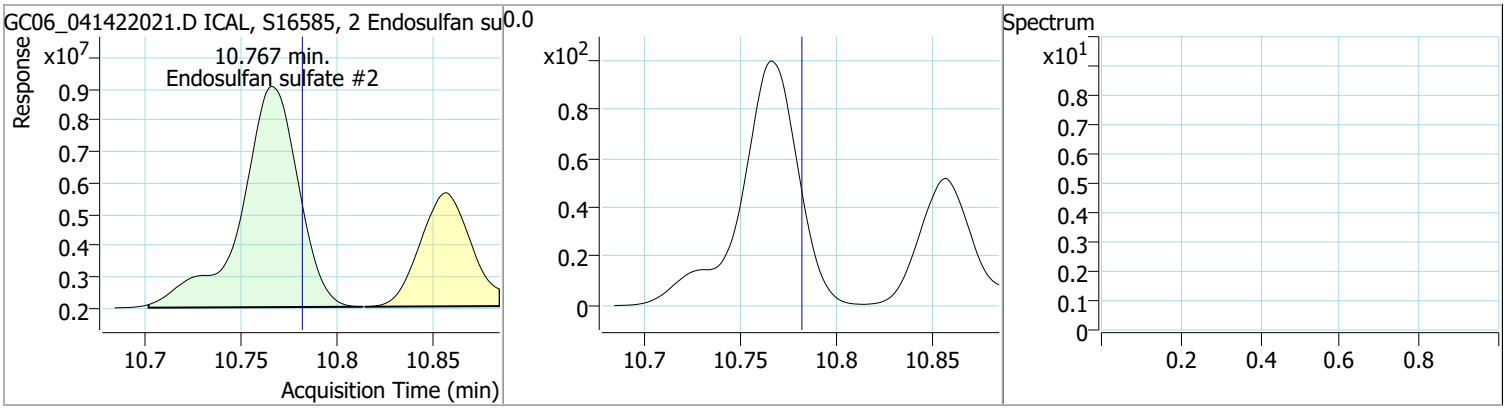
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	61.8058	10.37	-0.03	11626546			



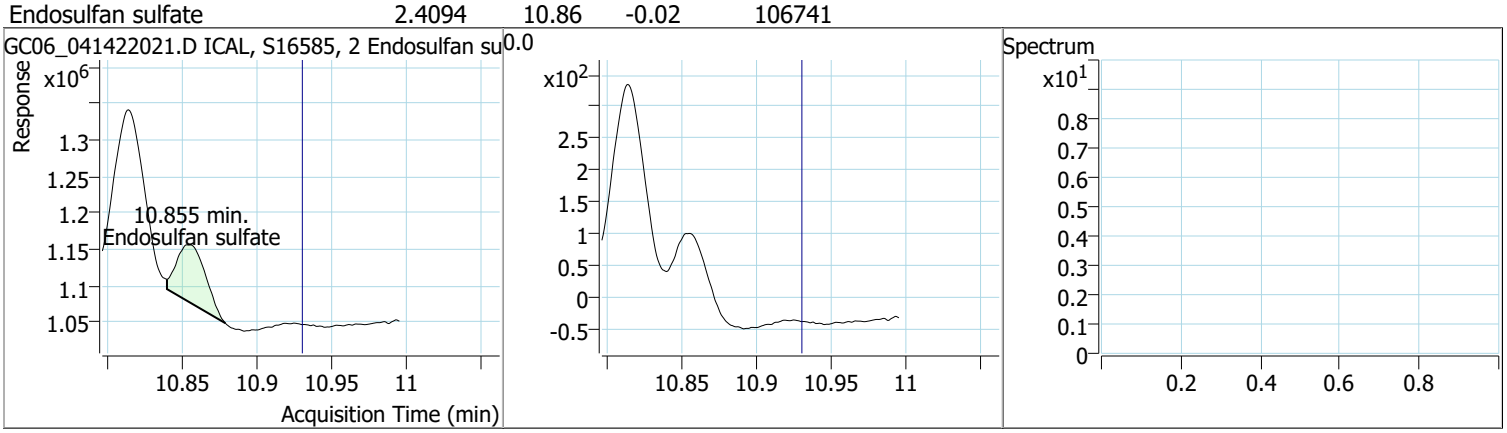
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	18.2608	10.59	0.02	491010			



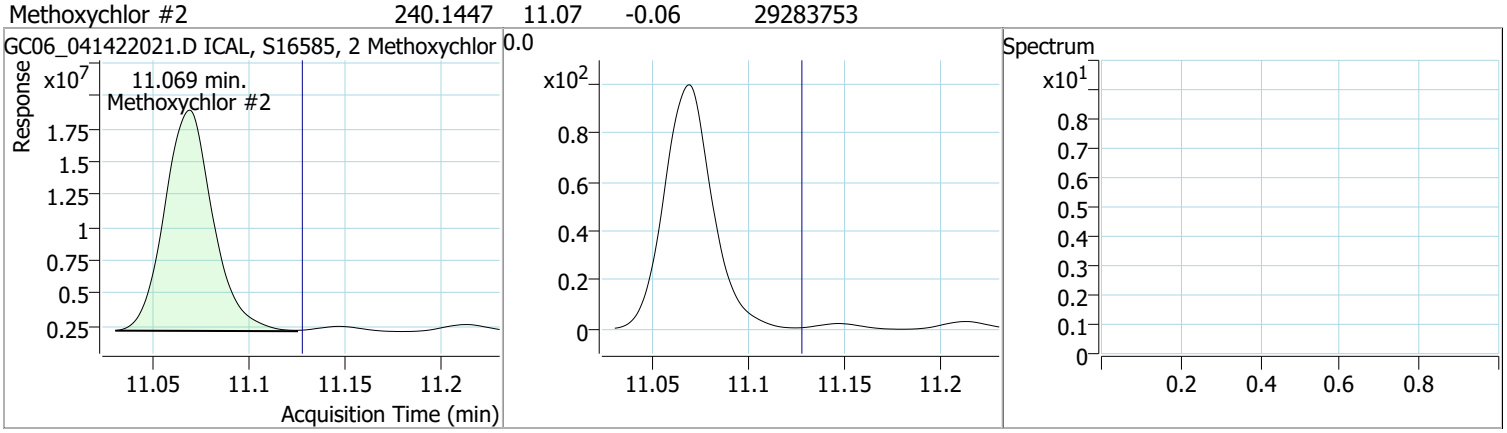
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	66.6457	10.77	-0.02	14667492			



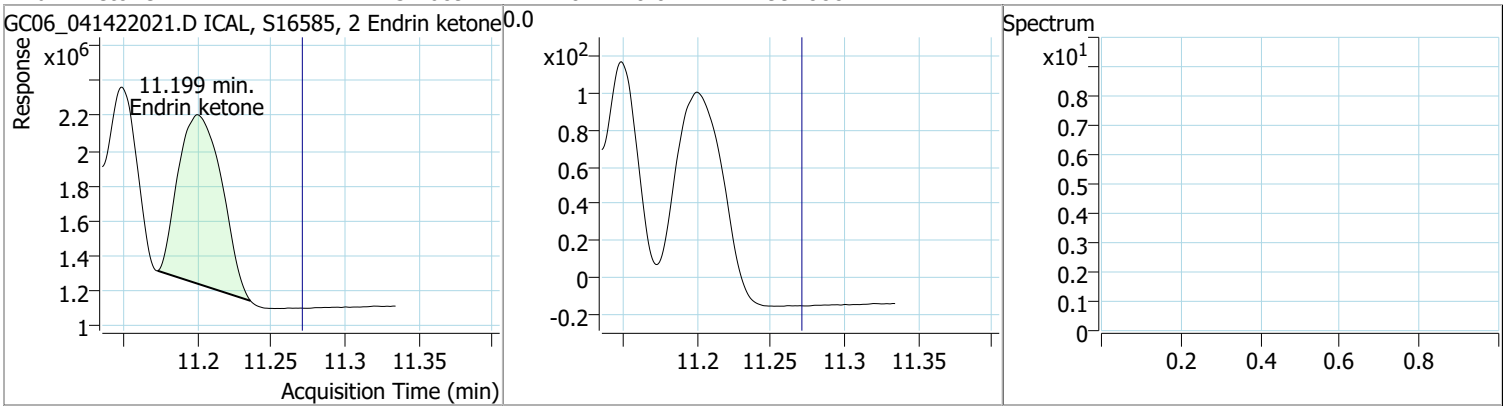
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	2.4094	10.86	-0.02	106741			



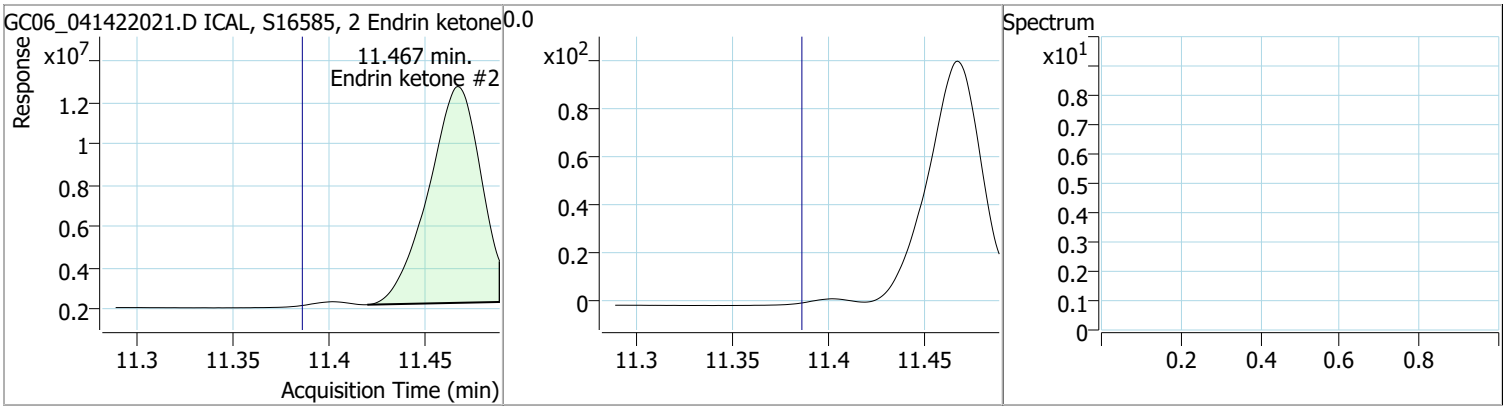
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	240.1447	11.07	-0.06	29283753			



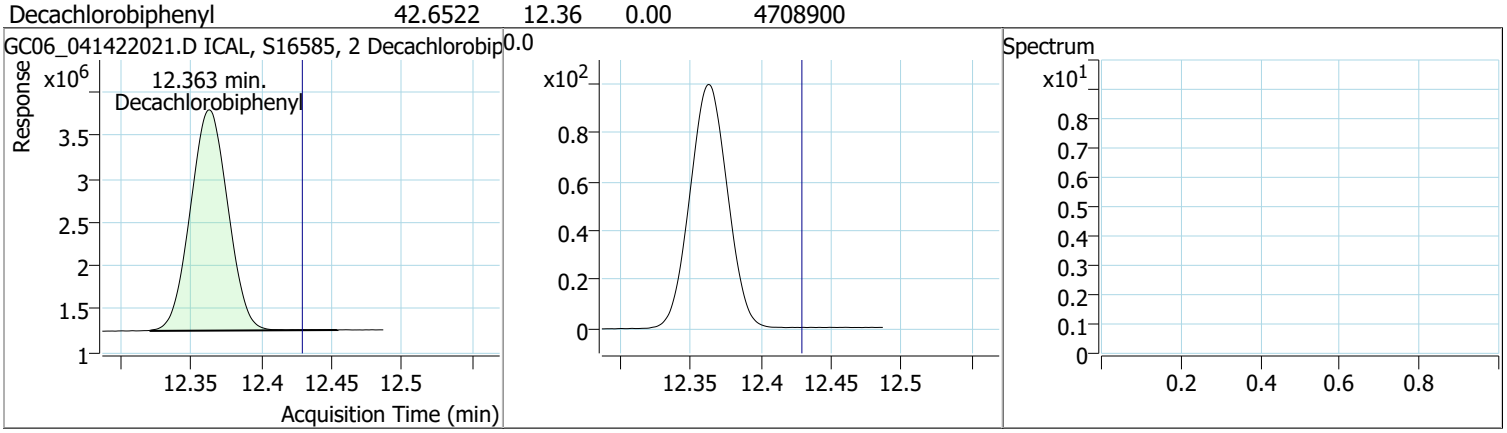
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	31.6897	11.20	-0.01	1997888			



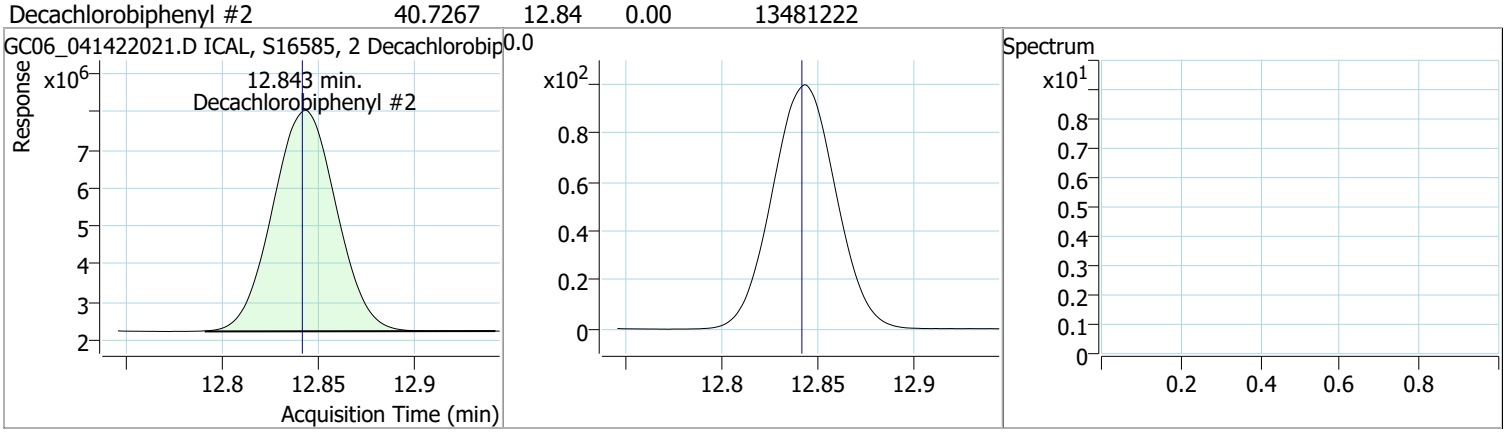
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	69.6011	11.47	0.08	19548666			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	42.6522	12.36	0.00	4708900			

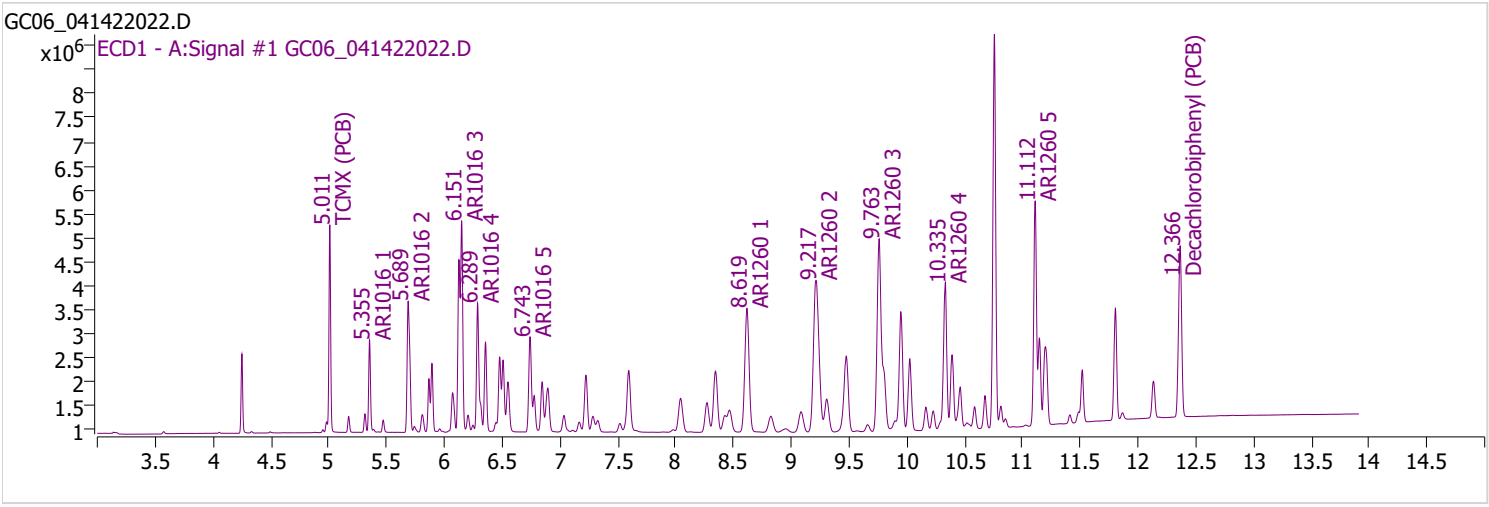


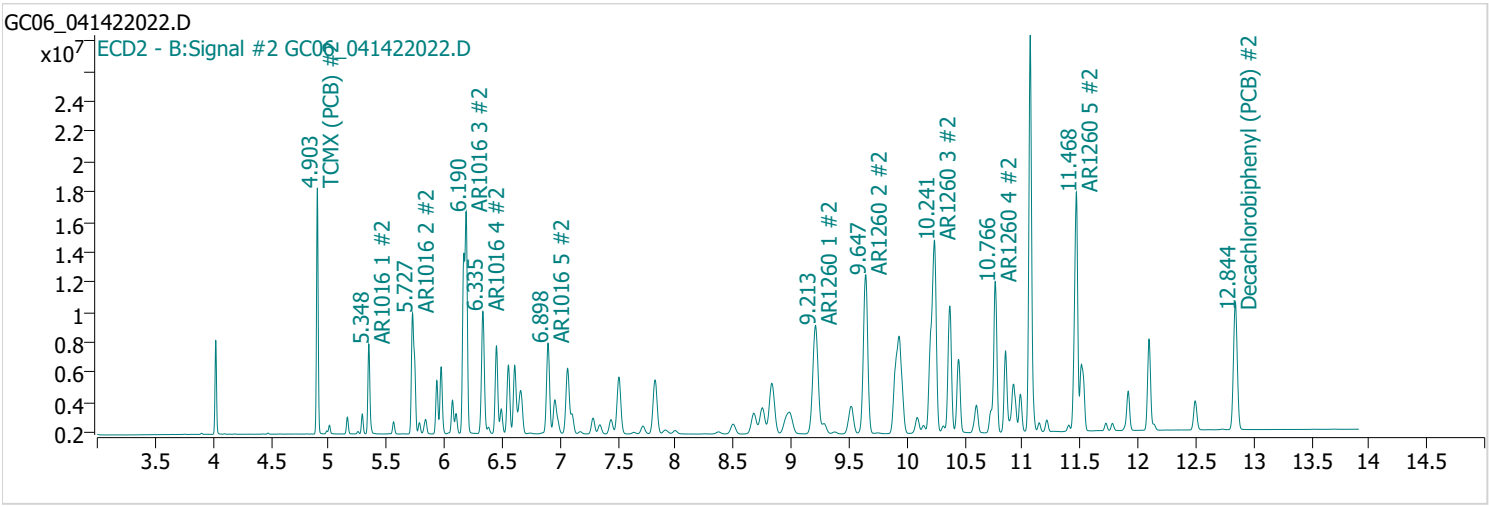
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	40.7267	12.84	0.00	13481222			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422022.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 8:44:14 PM
Sample Name	ICAL, S16585, 1.33	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 118	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



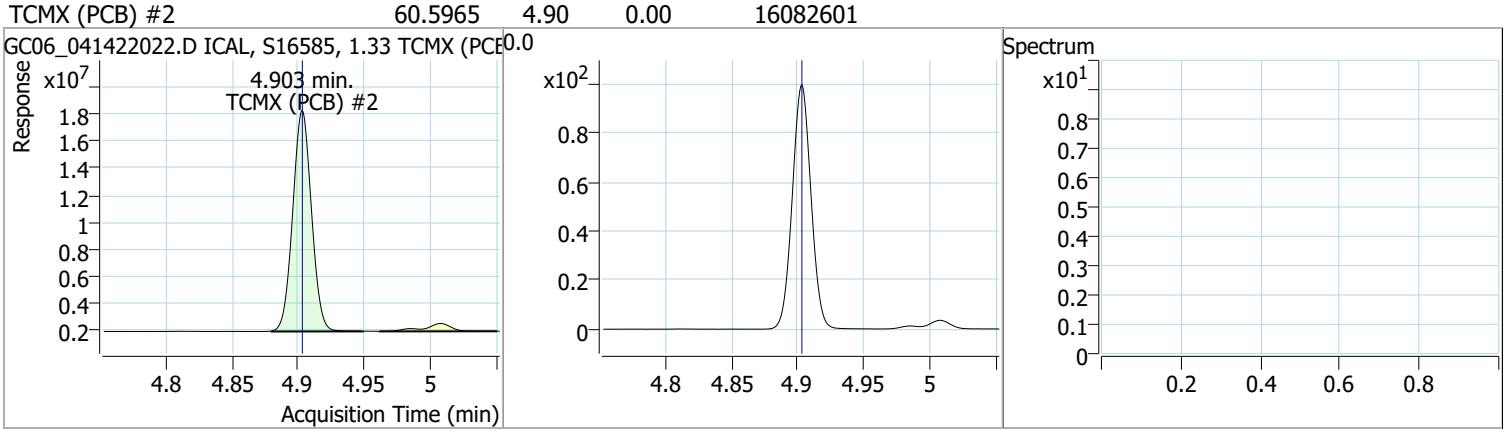


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.251	4.024	1588388	5794417	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.011	4.903	4411653	16082601	57.743	60.597	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	288.71% *	302.98% *	
S Decachlorobiphenyl (PCB)	12.366	12.844	6796418	19469690	56.275	55.684	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	281.37% *	278.42% *	
Target Compounds							
T AR1016 1	5.355	5.348	2110884	7324137	1358.597	1349.749	ng/ml
T AR1016 2	5.689	5.727	4485104	15445320	1325.765	1371.587	ng/ml
T AR1016 3	6.151	6.190	5713338	20893358 m	1434.974	1406.875	ng/ml
T AR1016 4	6.289	6.335	4168990	13935230	1399.222	1383.100	ng/ml
T AR1016 5	6.743	6.898	3182685	11121252	1380.905	1411.835	ng/ml
T AR1260 1	8.619	9.213	6739852	23514478 m	1348.317	1340.824	ng/ml
T AR1260 2	9.217	9.647	10593988	27829642	1375.988	1373.364	ng/ml
T AR1260 3	9.763	10.241	11760001	39056610	1469.299	1418.652	ng/ml
T AR1260 4	10.335	10.766	5647323	21346241	1418.728	1432.885	ng/ml

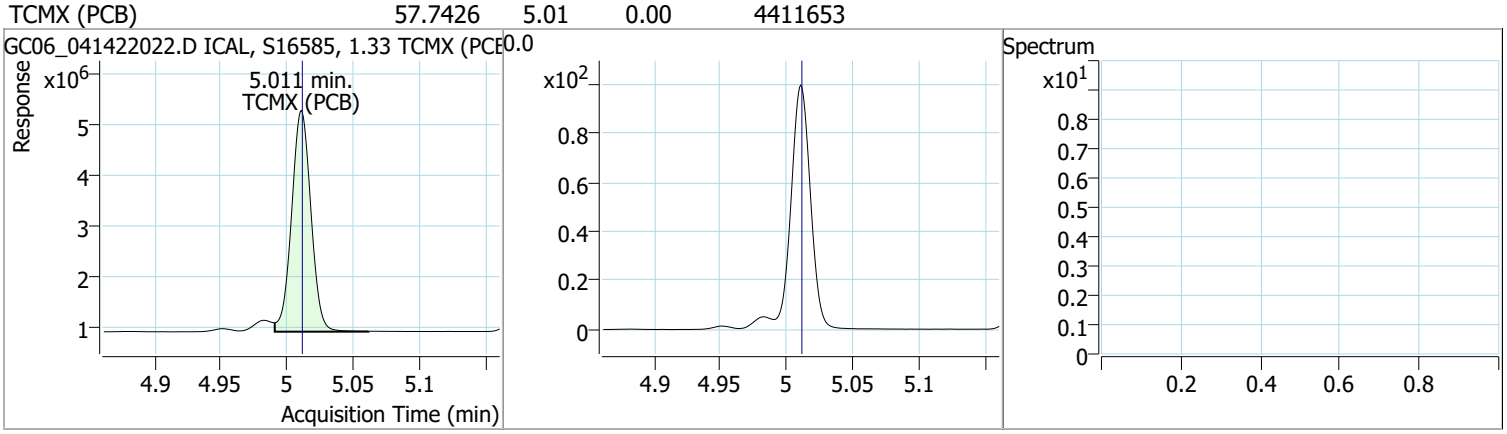
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.112	11.468	7811997	31074860	1482.806	1414.828	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

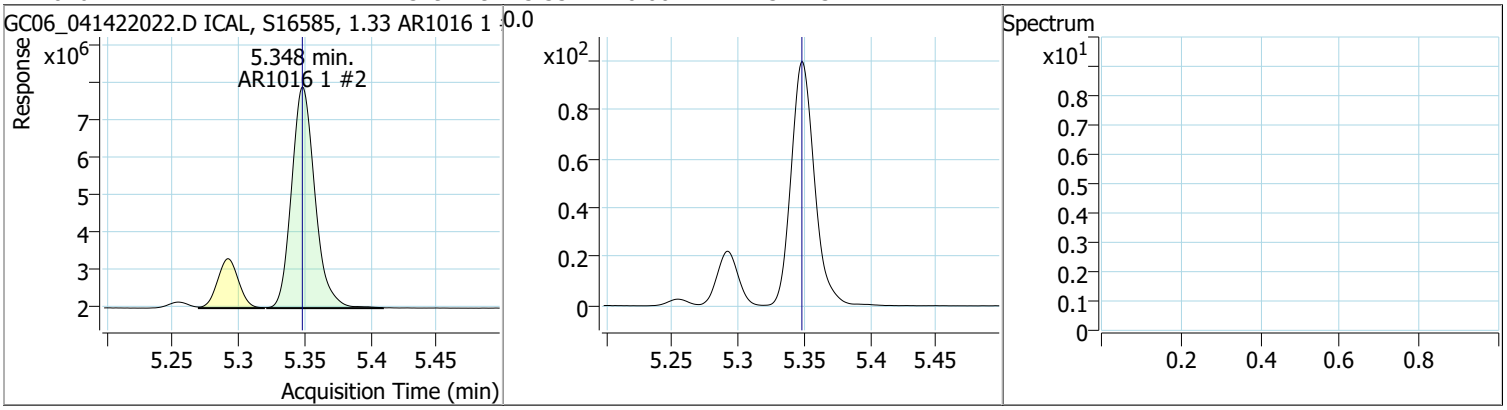
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	60.5965	4.90	0.00	16082601			



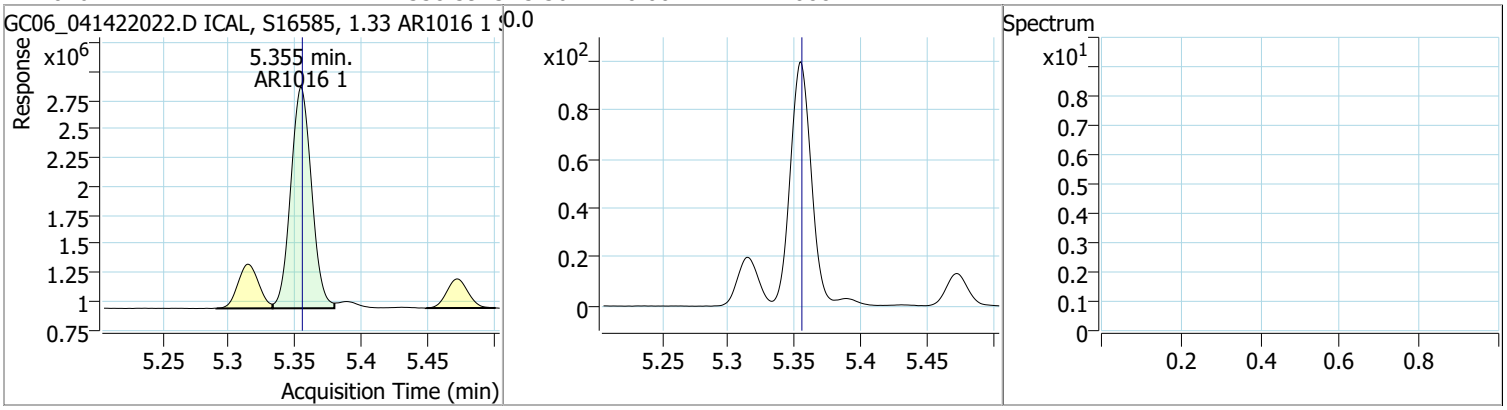
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	57.7426	5.01	0.00	4411653			



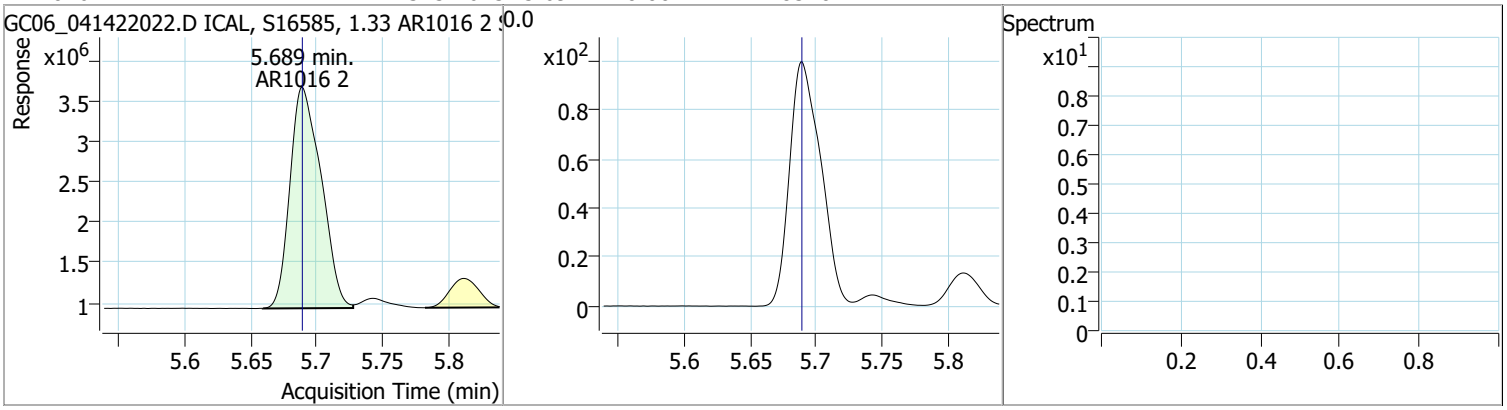
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	1349.7494	5.35	0.00	7324137			



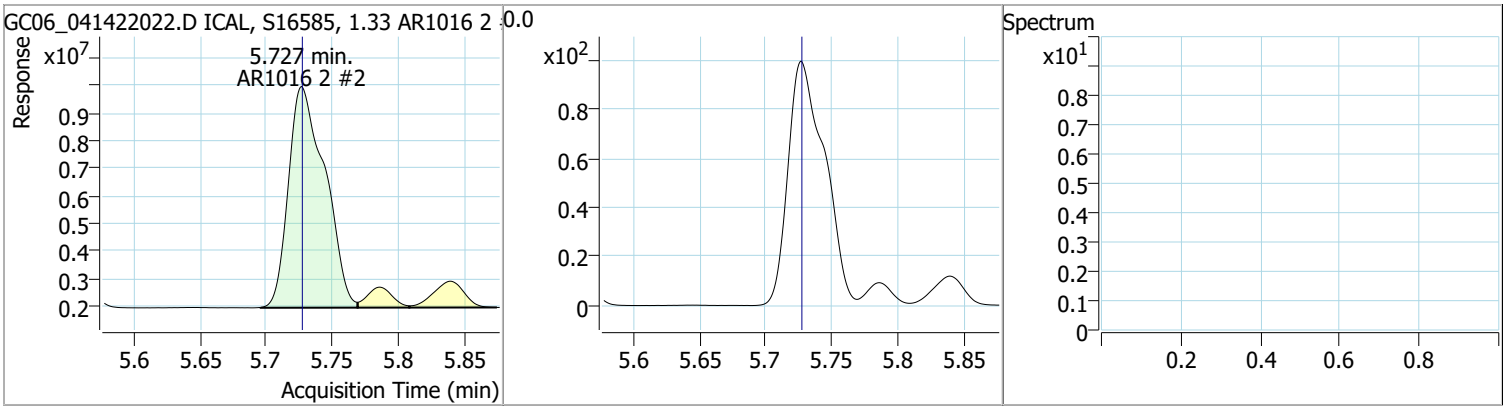
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	1358.5975	5.36	0.00	2110884			



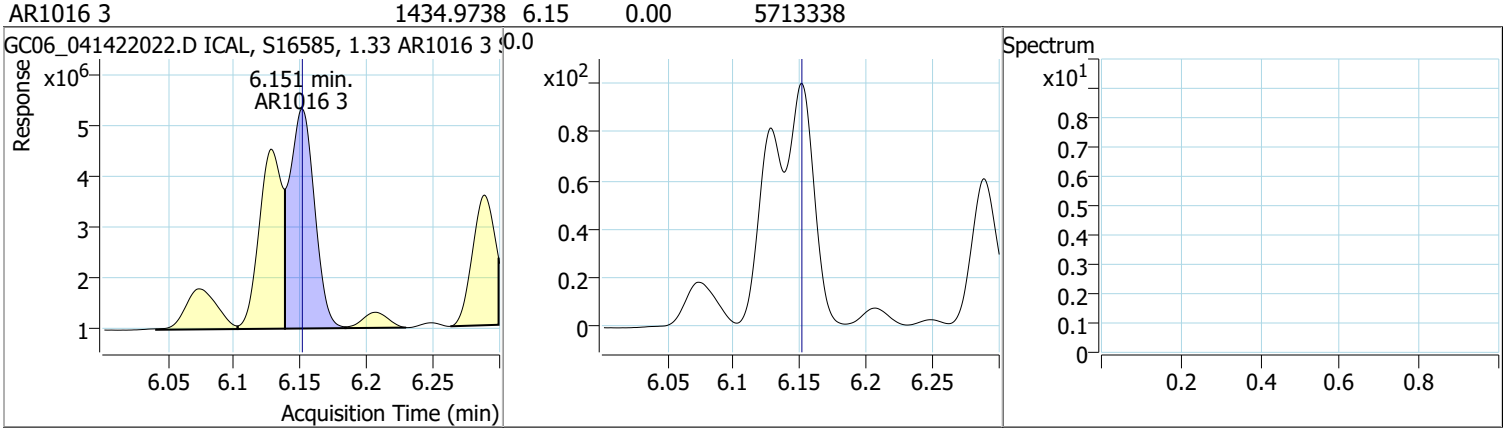
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	1325.7645	5.69	0.00	4485104			



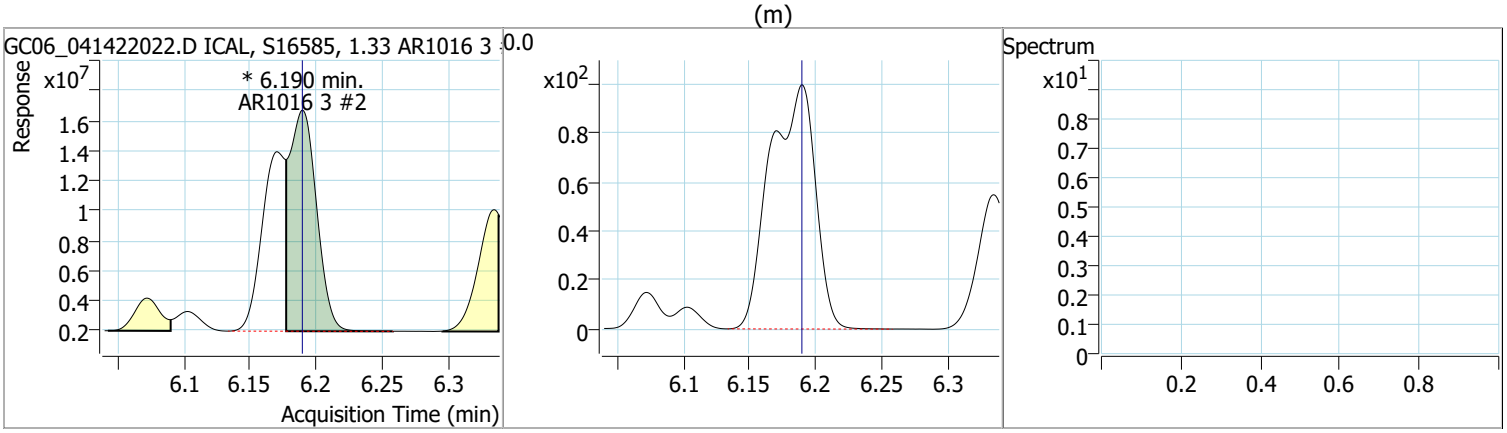
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	1371.5868	5.73	0.00	15445320			



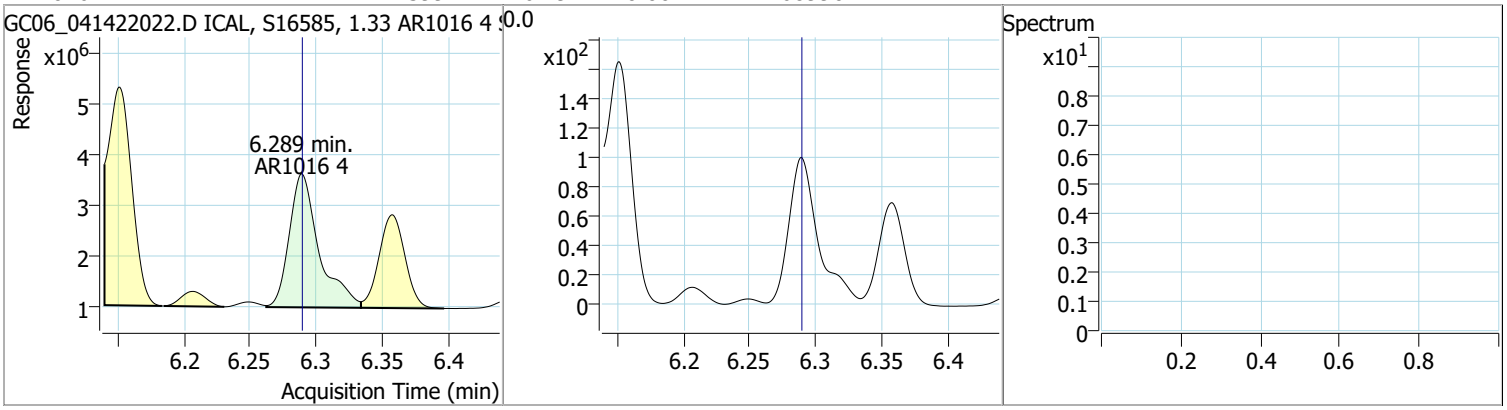
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	1434.9738	6.15	0.00	5713338			



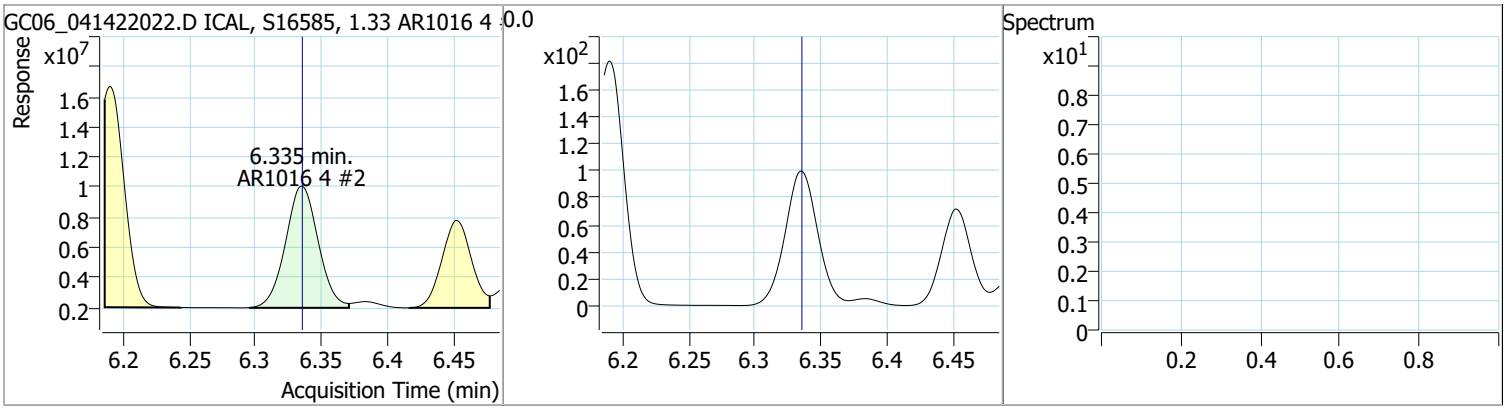
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	1406.8752	6.19	0.00	20893358 (m)			



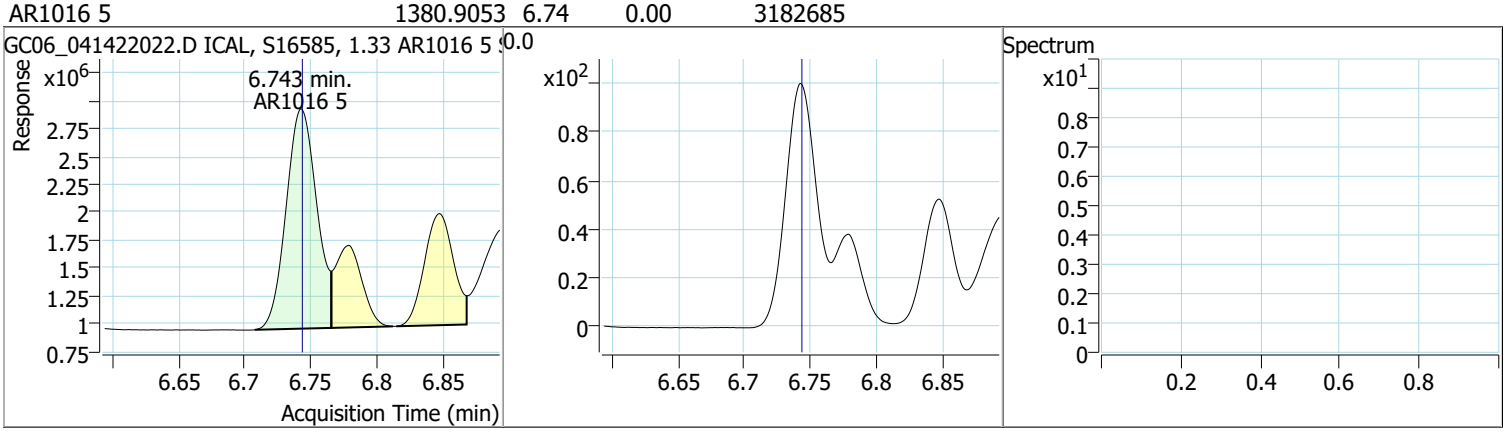
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	1399.2221	6.29	0.00	4168990			



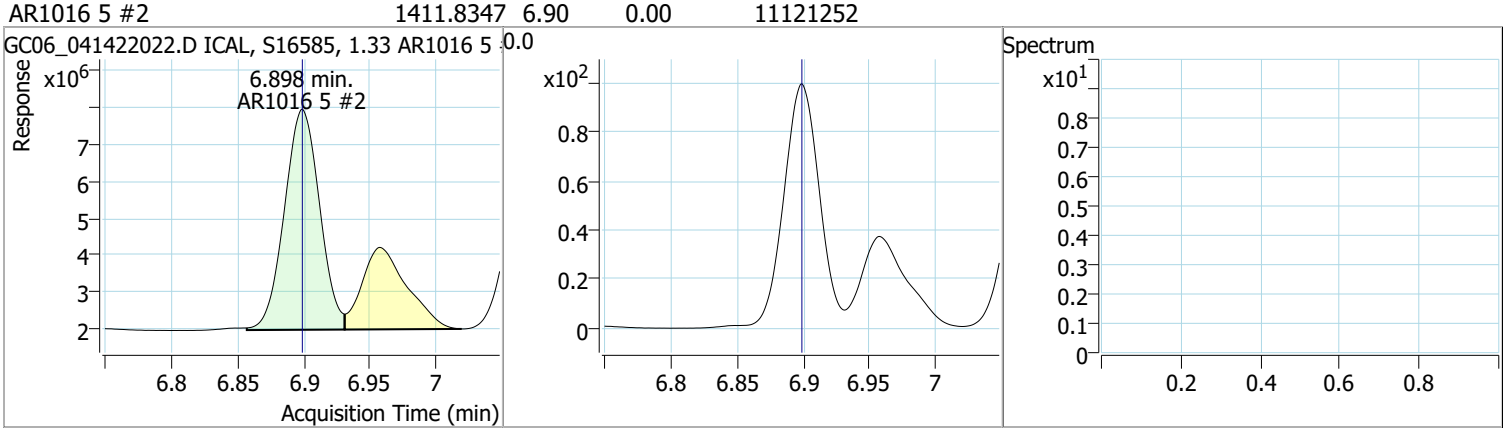
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	1383.1005	6.34	0.00	13935230			



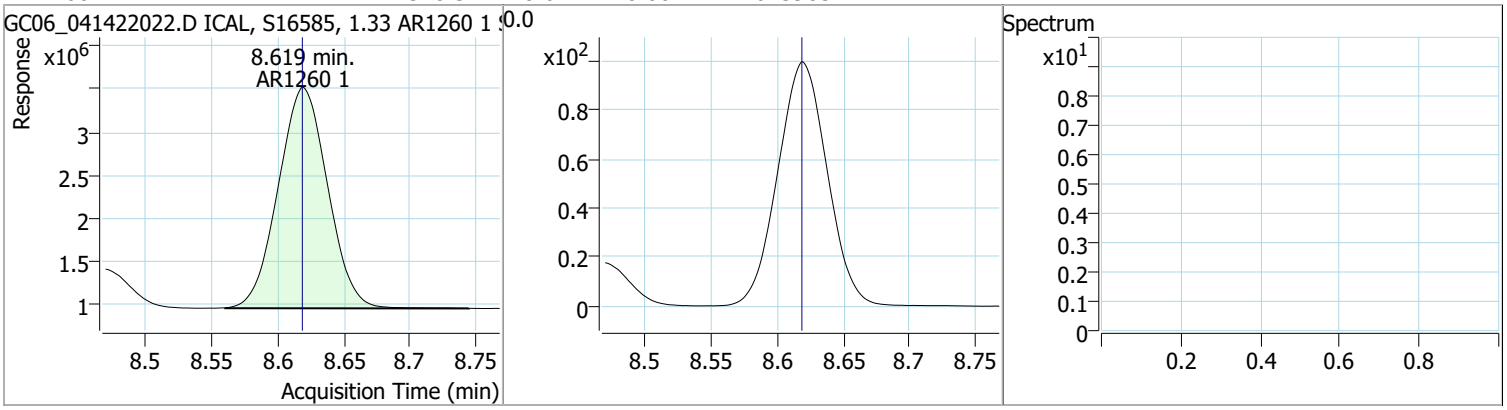
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	1380.9053	6.74	0.00	3182685			



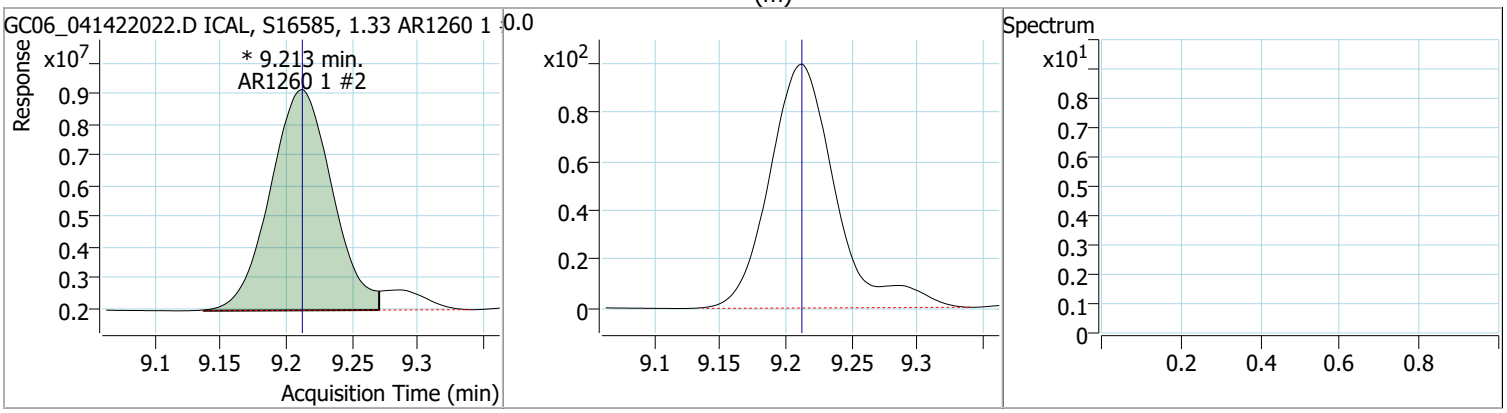
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	1411.8347	6.90	0.00	11121252			



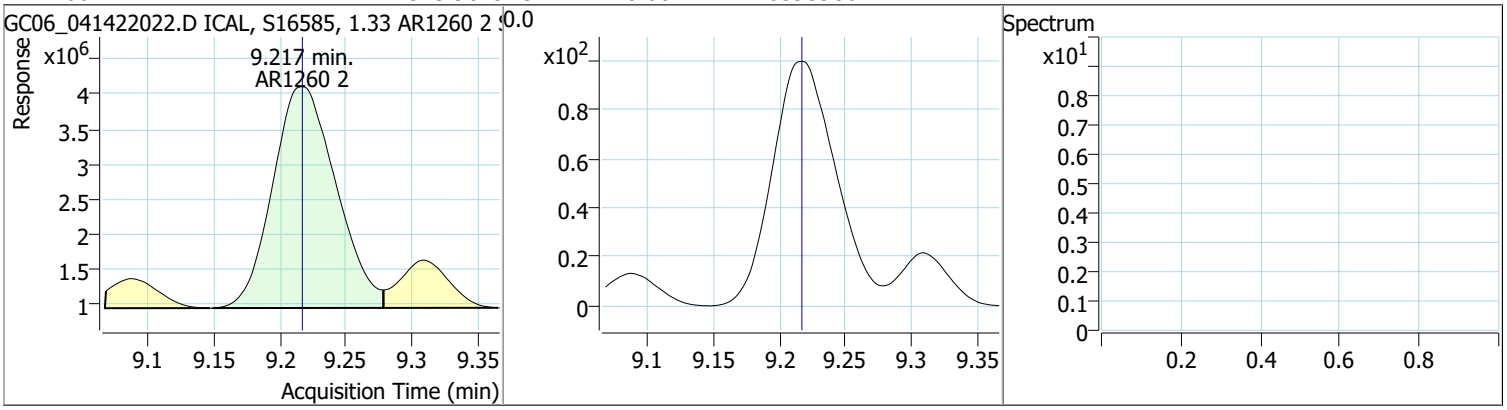
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	1348.3172	8.62	0.00	6739852			



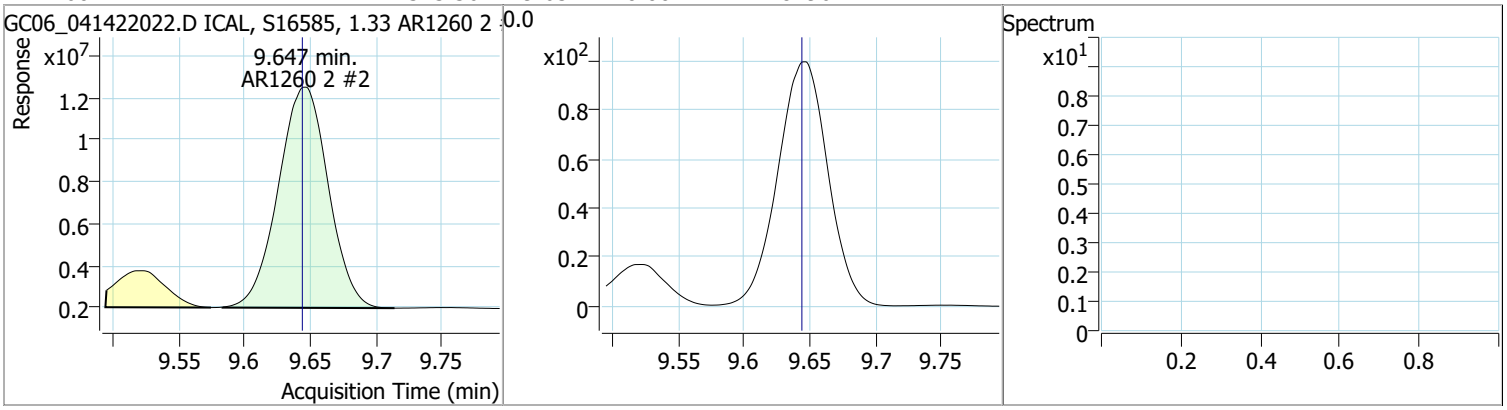
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	1340.8241	9.21	0.00	23514478 (m)			



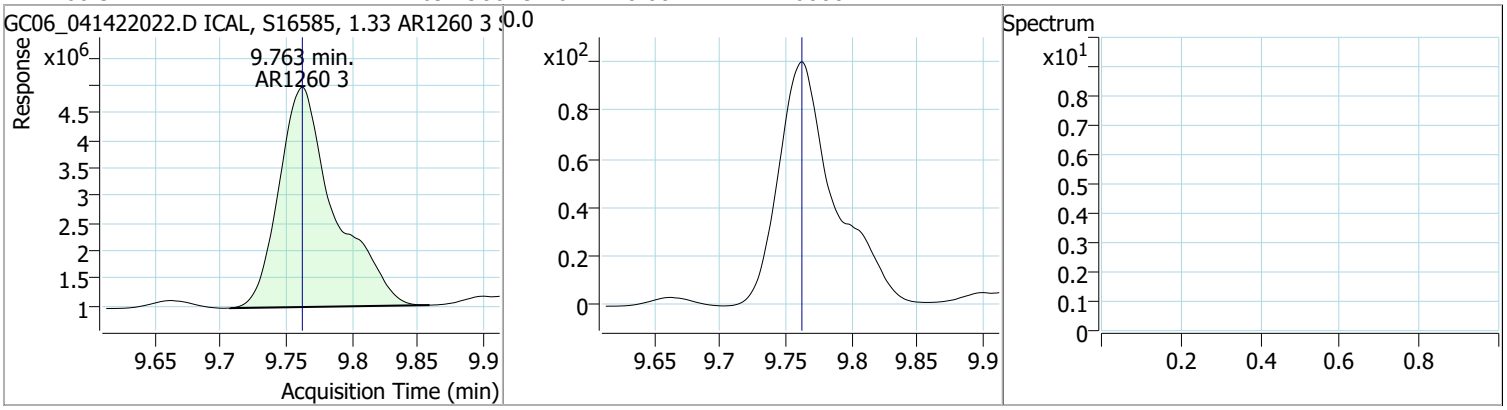
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	1375.9879	9.22	0.00	10593988			



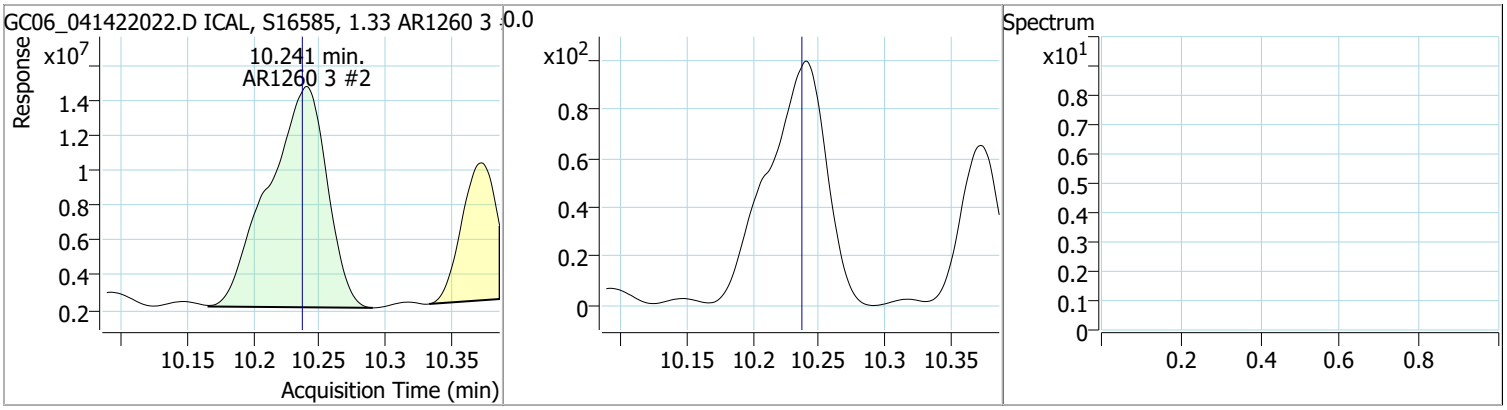
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	1373.3642	9.65	0.00	27829642			



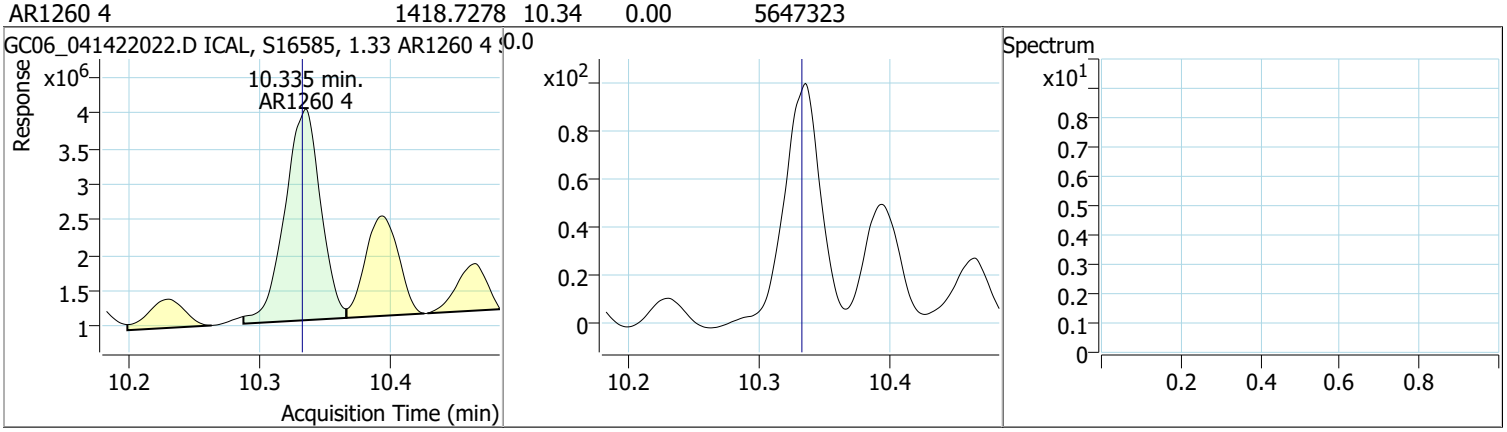
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	1469.2986	9.76	0.00	11760001			



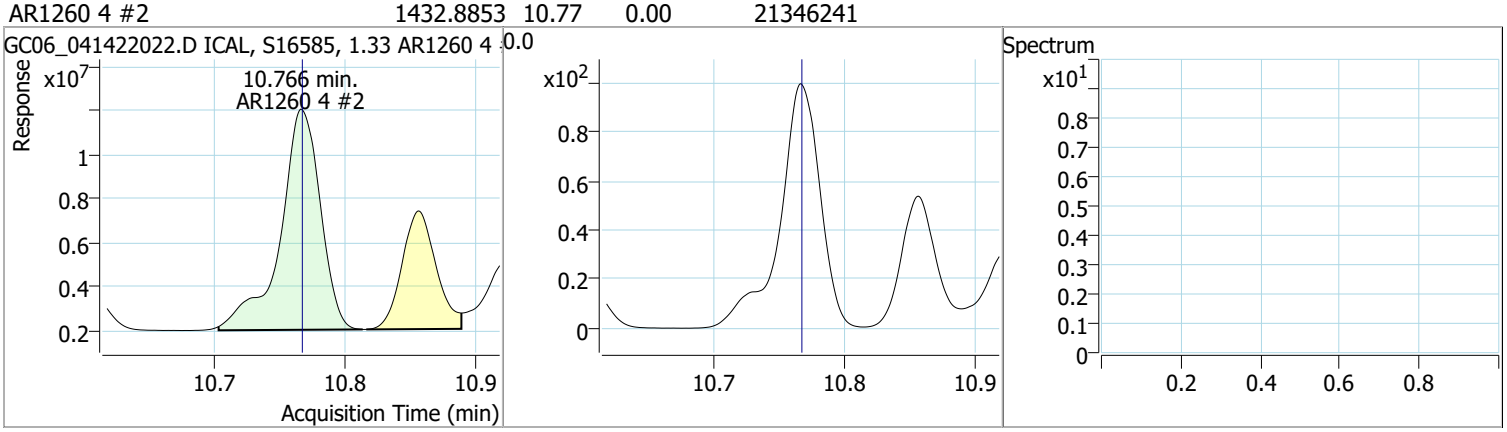
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	1418.6521	10.24	0.00	39056610			



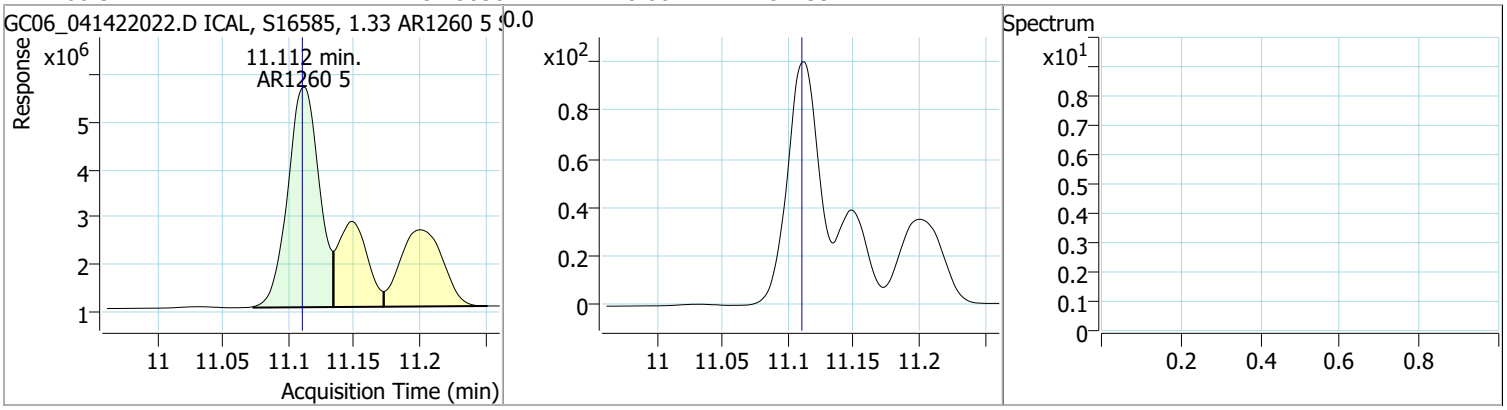
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	1418.7278	10.34	0.00	5647323			



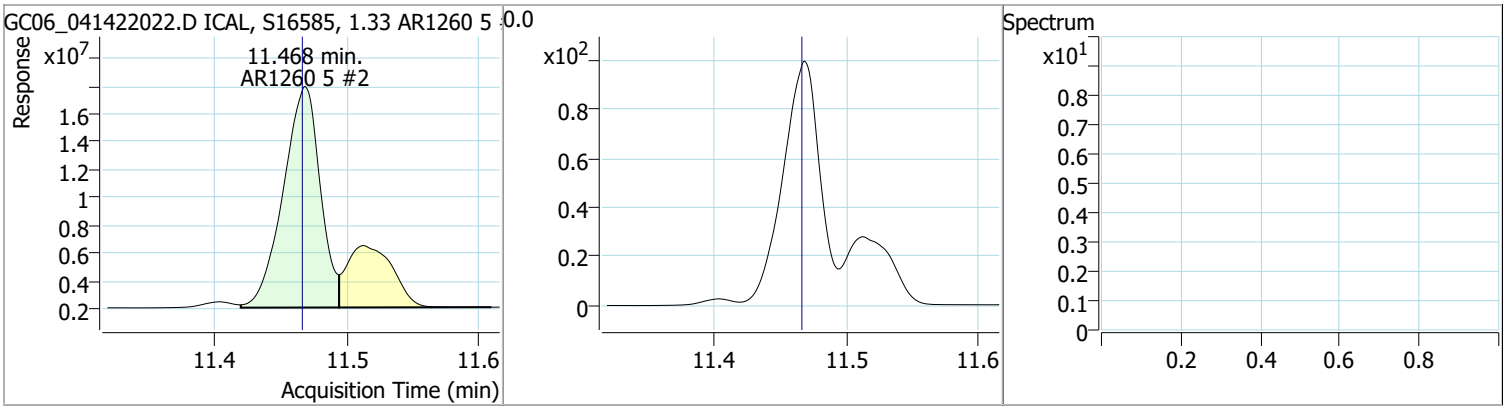
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	1432.8853	10.77	0.00	21346241			



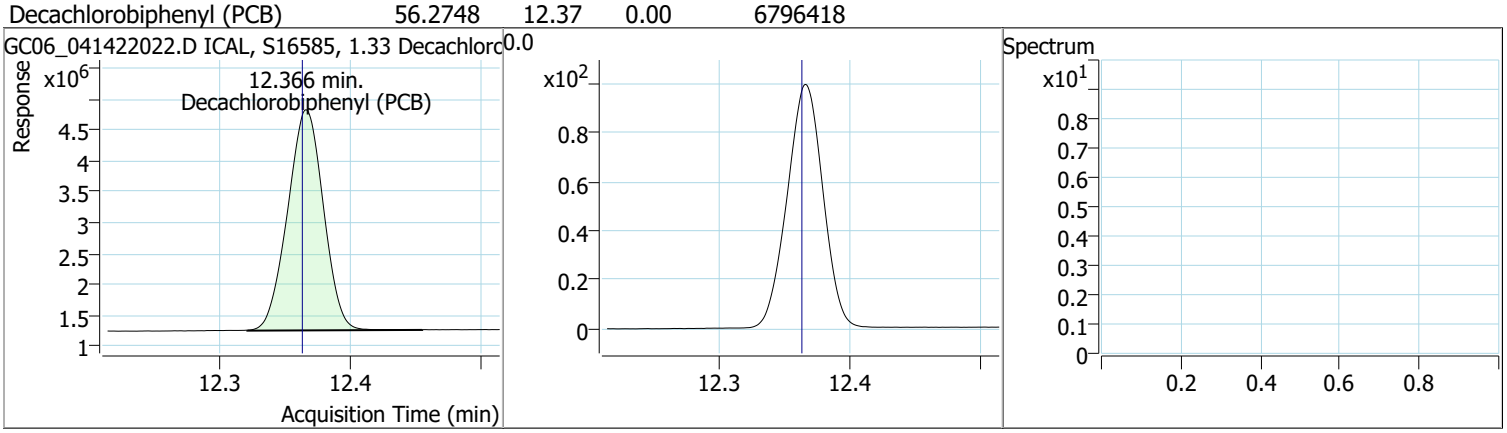
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	1482.8058	11.11	0.00	7811997			



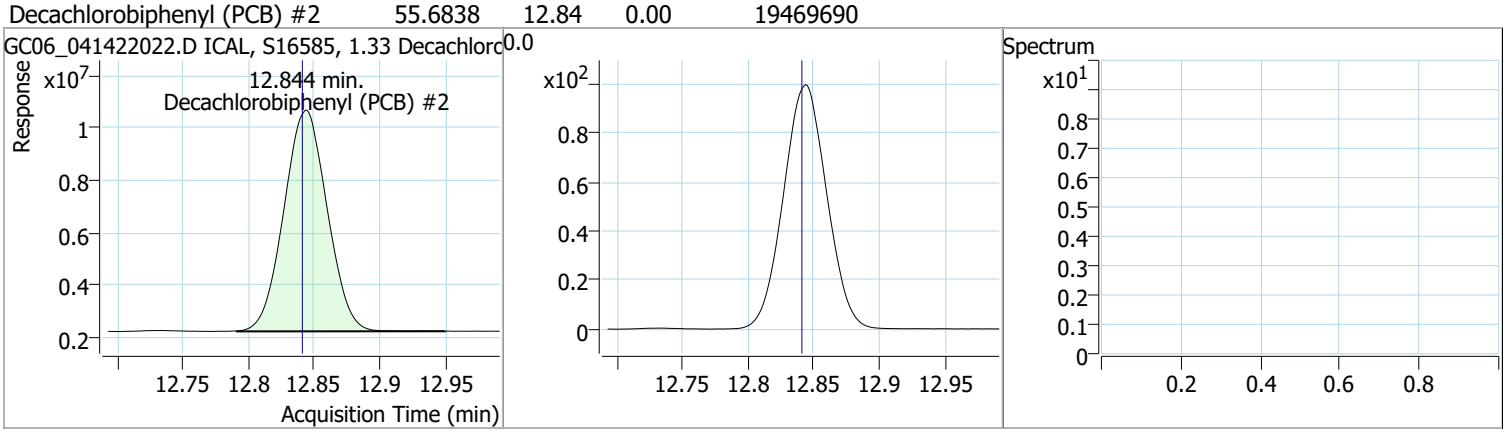
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	1414.8278	11.47	0.00	31074860			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	56.2748	12.37	0.00	6796418			

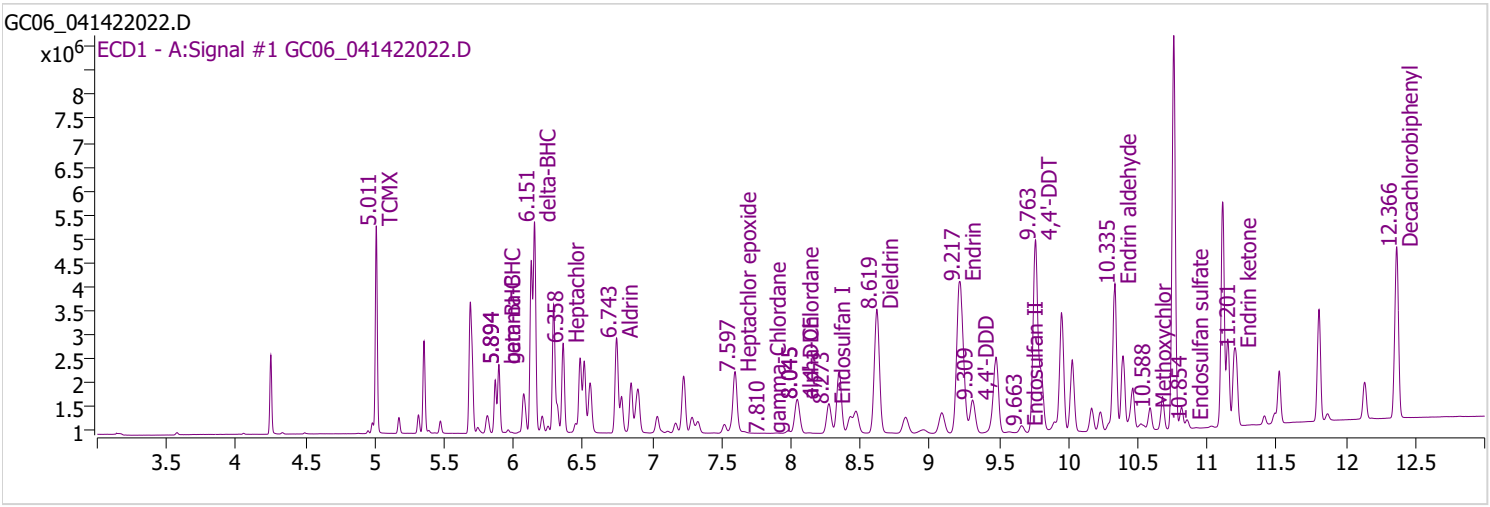


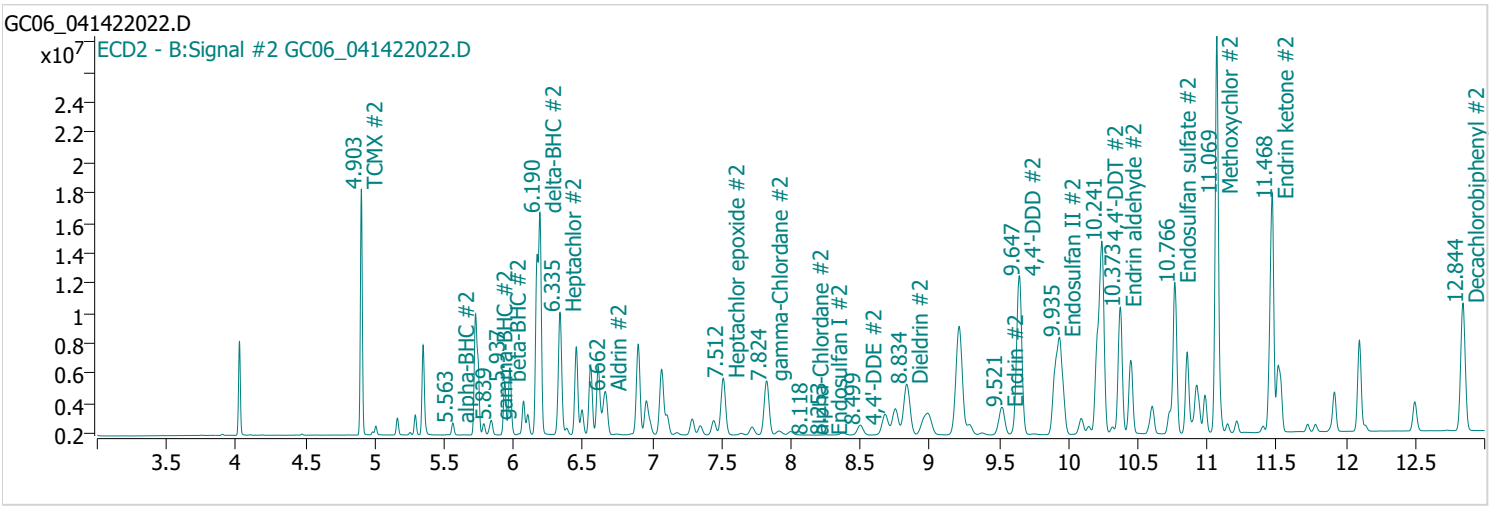
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	55.6838	12.84	0.00	19469690			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422022.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 8:44:14 PM
Sample Name	ICAL, S16585, 1.33	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 118	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 8:58:27 PM



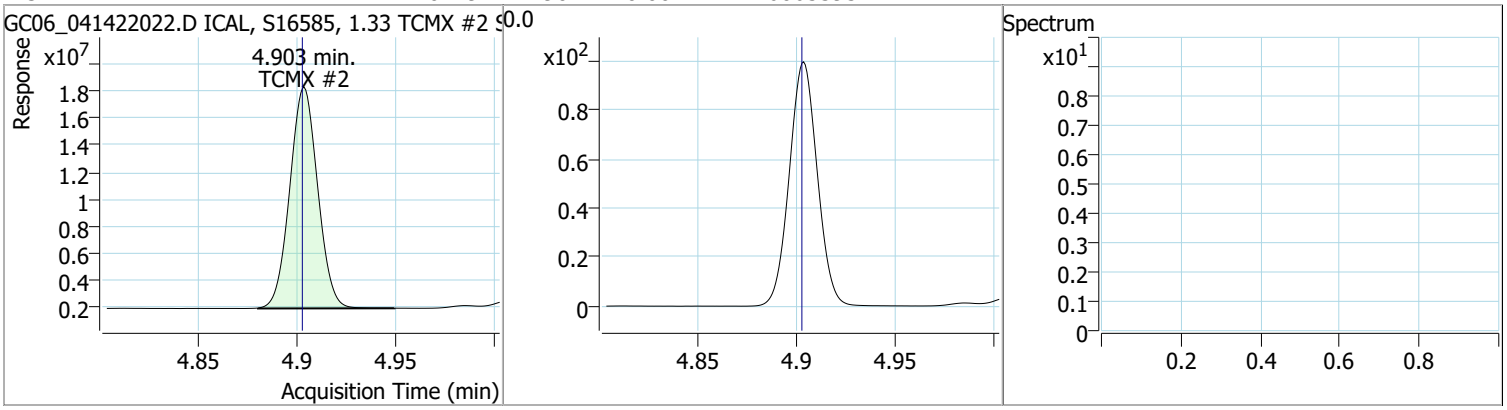


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.251	4.024	1579943	5794445	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.011	4.903	4410864	16065395	67.588	71.025	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	337.94% *	355.12% *	
S Decachlorobiphenyl	12.366	12.844	6789423	19302255	69.126	65.136	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	345.63% *	325.68% *	
Target Compounds							
T alpha-BHC	----	5.563 f	0	920345	N.D.	5.071 #	ng/ml
T gamma-BHC	5.894	5.839	1737182	1416221	30.444	7.657 #	ng/ml
T beta-BHC	5.894	5.937	1710136	4568637	56.192	39.999 #	ng/ml
T delta-BHC	6.151	6.190	5620220	35209398	68.047	84.716	ng/ml
T Heptachlor	6.358	6.335	2280047	13942615	37.500	51.437 #	ng/ml
T Aldrin	6.743	6.662 f	3182685	6459364	47.917	32.188 #	ng/ml
T Heptachlor epoxide	7.597	7.512	2723636	7838665	43.031	36.286	ng/ml
T gamma-Chlordane	7.810	7.824	3036	8770743	0.067	37.329 #	ng/ml
T alpha-Chlordane	8.045	8.118	1098356	2682	22.184	0.016 #	ng/ml

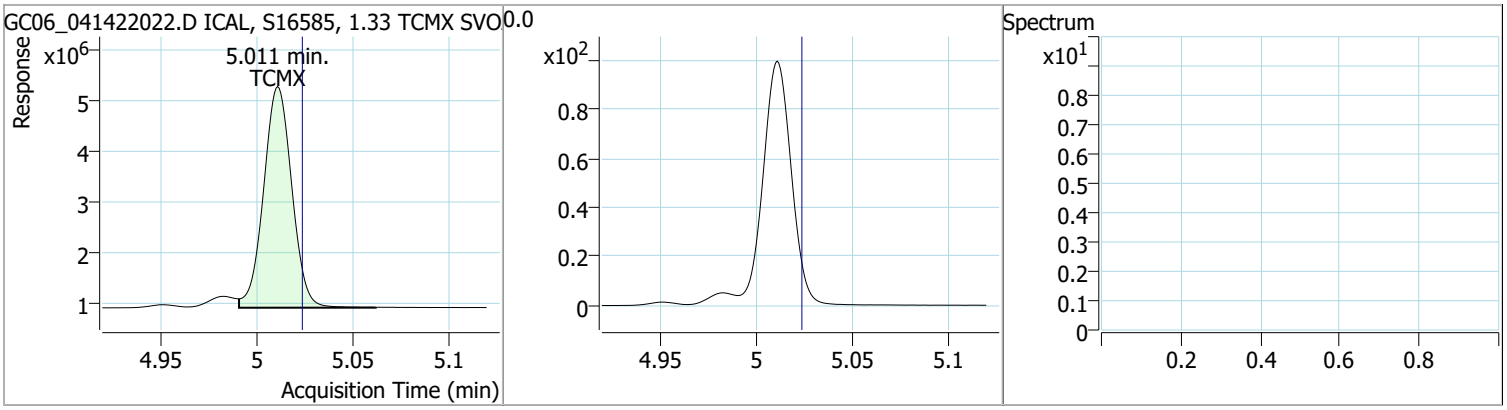
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.273	8.253	1358875	32827	28.680	0.220 #	ng/ml
T 4,4'-DDE	8.045	8.499 f	1694921	1906361	35.239	12.910 #	ng/ml
T Dieldrin	8.619	8.834	6612828	9357717	98.238	51.019 #	ng/ml
T Endrin	9.217	9.521	9777241	5338414	133.425	33.443 #	ng/ml
T 4,4'-DDD	9.309	9.647 f	1066737	25591467	30.533	145.260 #	ng/ml
T Endosulfan II	9.663	9.935 f	331711	26330722	7.652	111.649 #	ng/ml
T 4,4'-DDT	9.763	10.241	11484924	38823043	193.253	142.253 #	ng/ml
T Endrin aldehyde	10.335	10.373	5263002	16803352	112.095	100.417	ng/ml
T Endosulfan sulfate	10.854	10.766	159468	21350803	4.140	108.863 #	ng/ml
T Methoxychlor	10.588	11.069 f	732597	43728207	29.406	404.795 #	ng/ml
T Endrin ketone	11.201	11.468 f	2936002	28593437	53.021	114.789 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

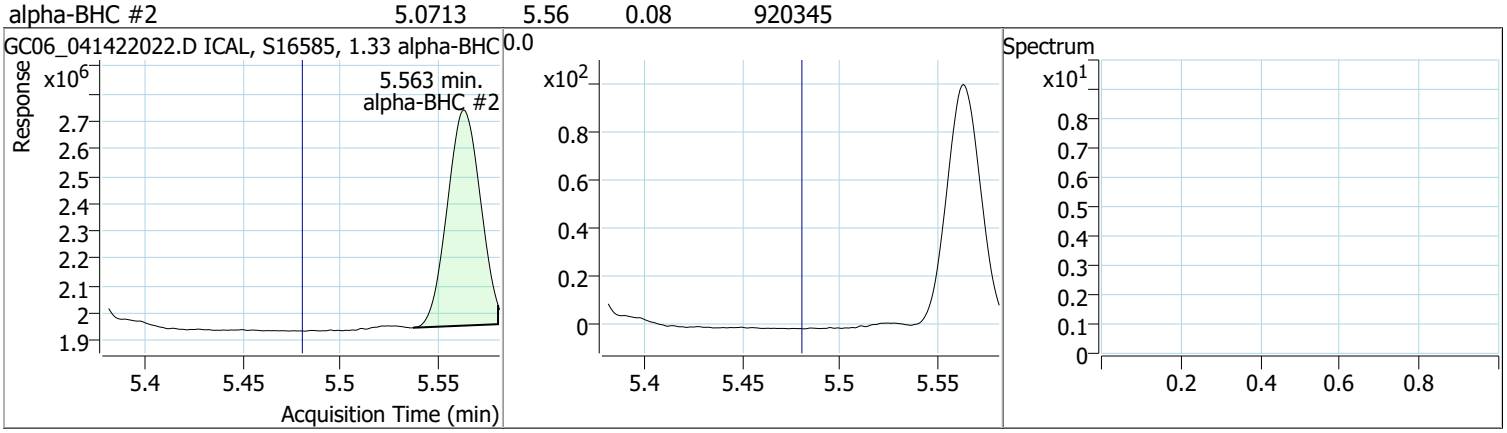
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	71.0249	4.90	0.00	16065395			



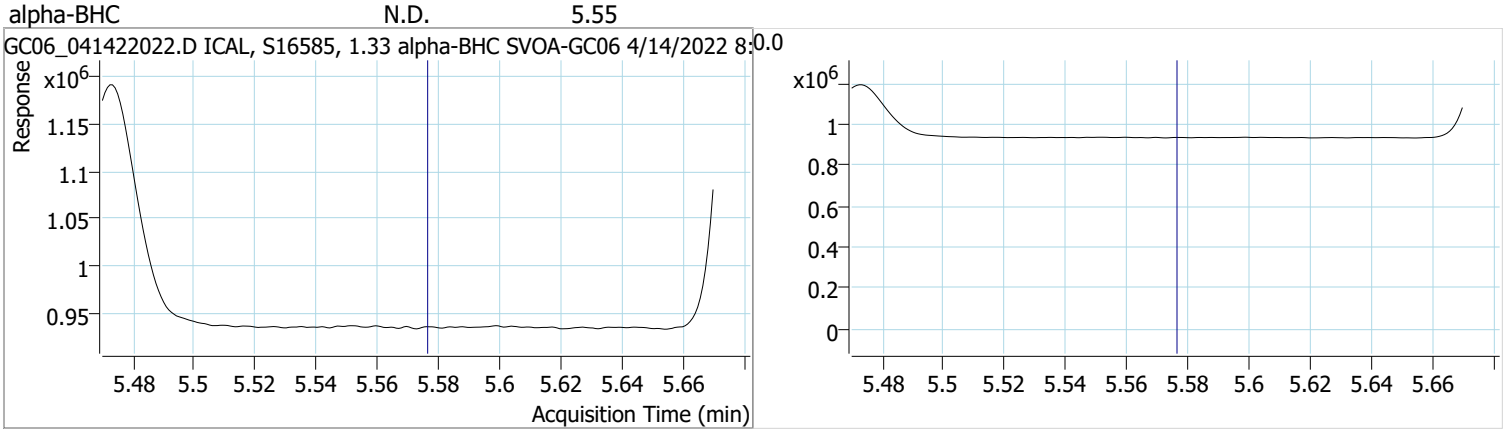
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	67.5880	5.01	0.01	4410864			



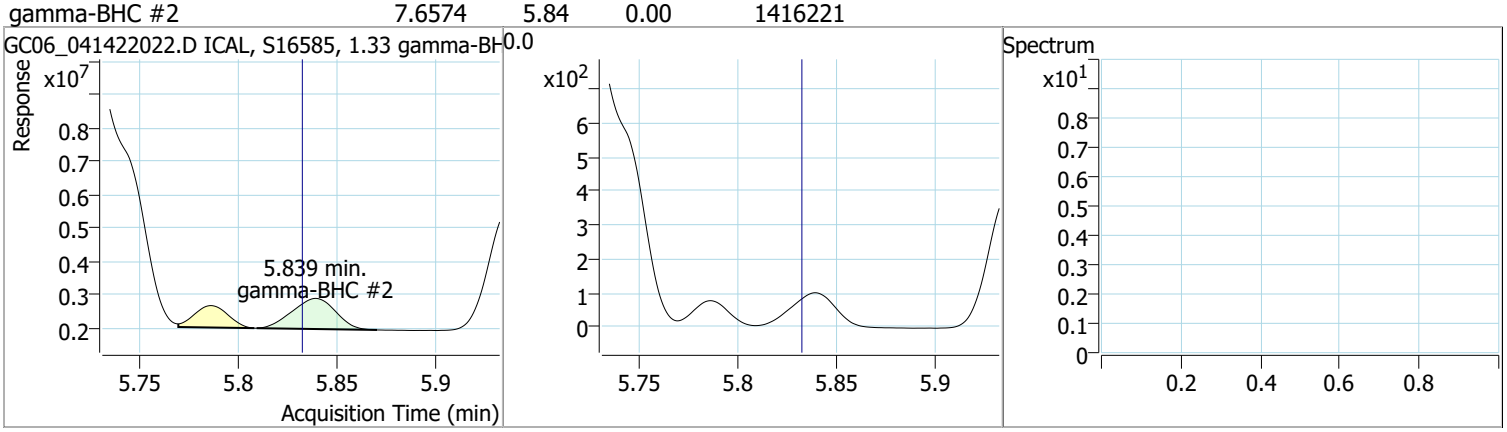
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	5.0713	5.56	0.08	920345			



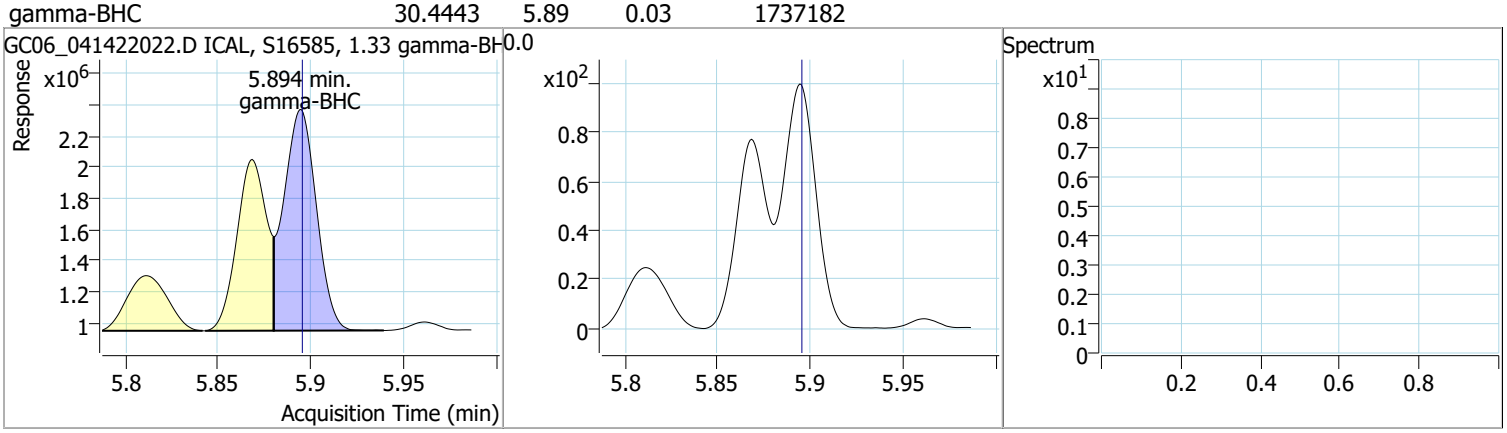
Compound	Conc.		Exp Ratio
alpha-BHC	N.D.	5.55	



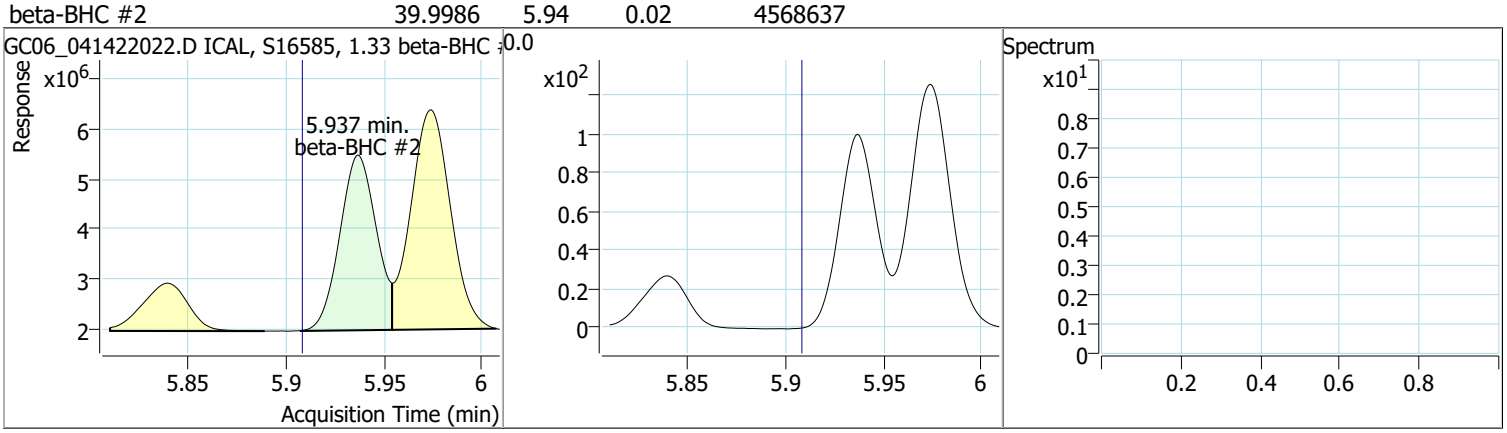
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	7.6574	5.84	0.00	1416221			



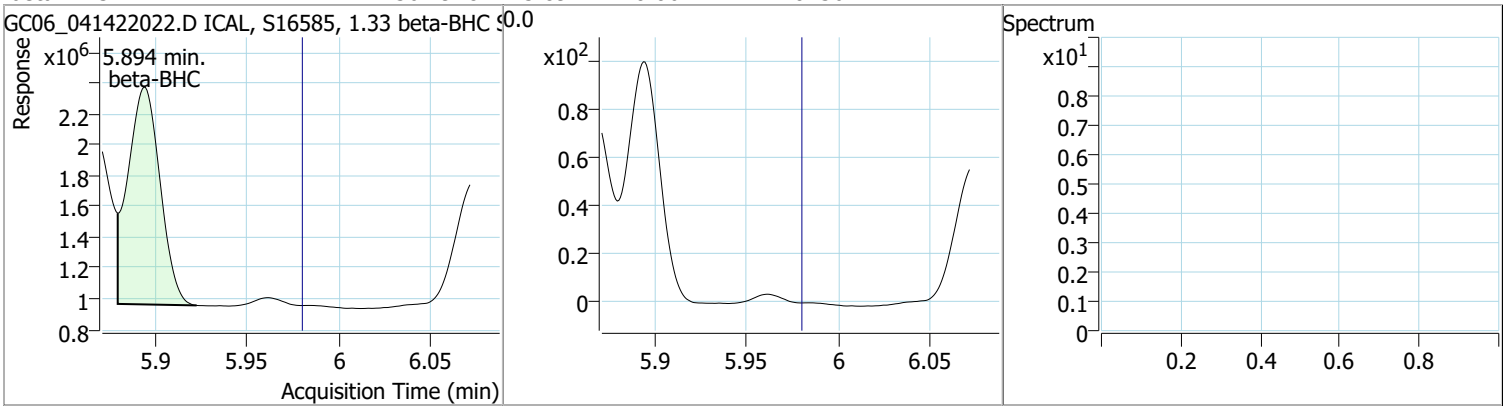
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	30.4443	5.89	0.03	1737182			



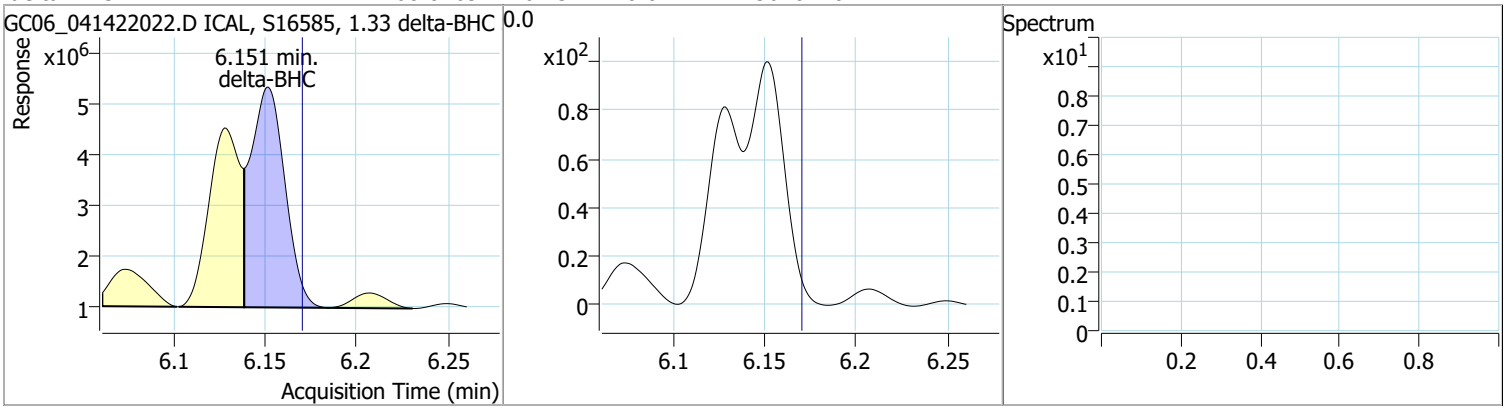
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	39.9986	5.94	0.02	4568637			



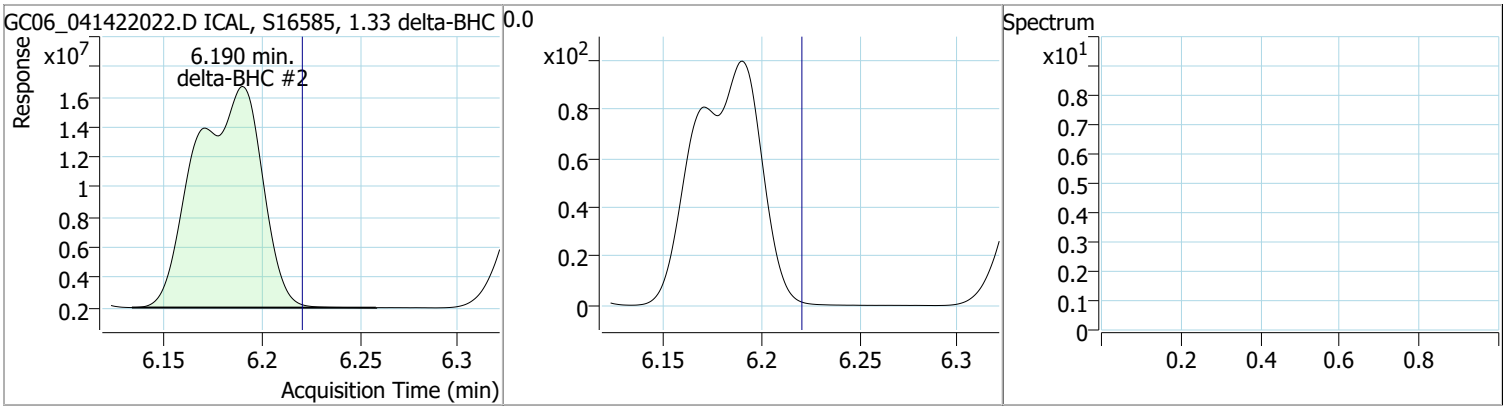
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	56.1918	5.89	-0.06	1710136			



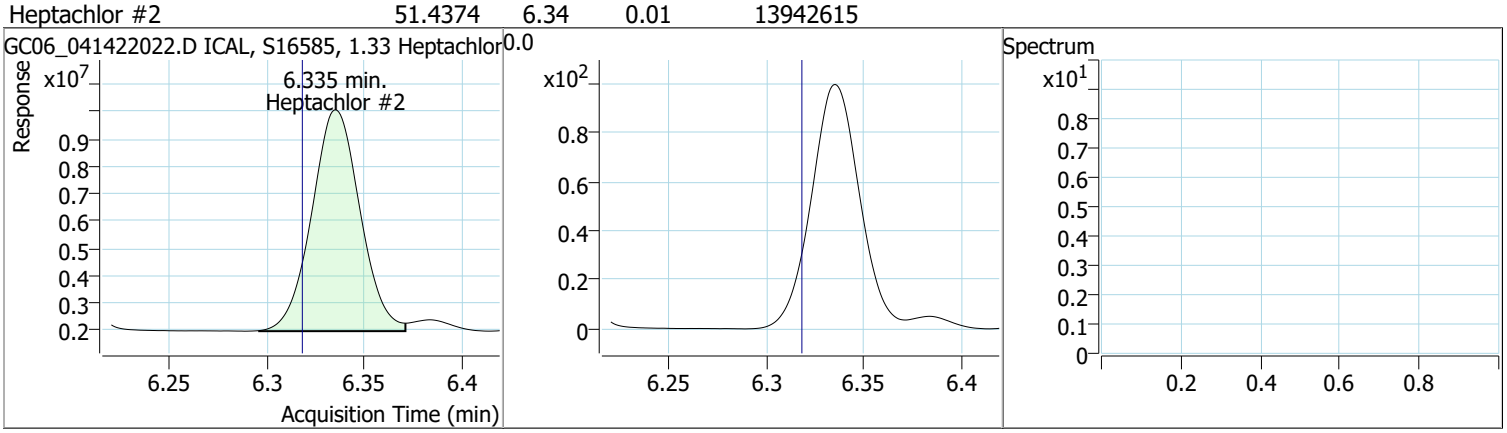
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	68.0469	6.15	0.01	5620220			



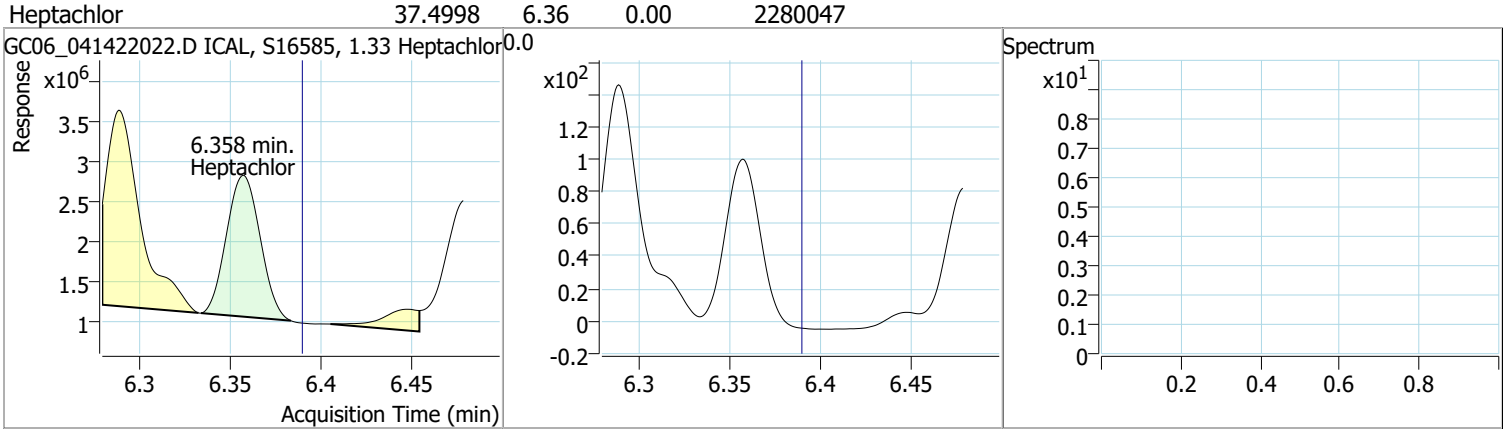
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	84.7155	6.19	-0.03	35209398			



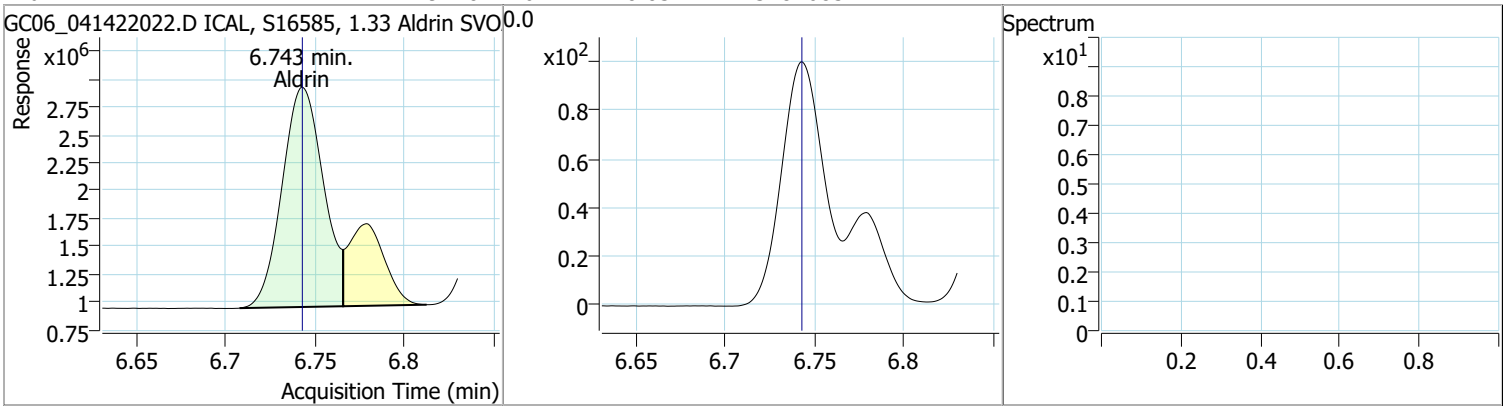
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	51.4374	6.34	0.01	13942615			



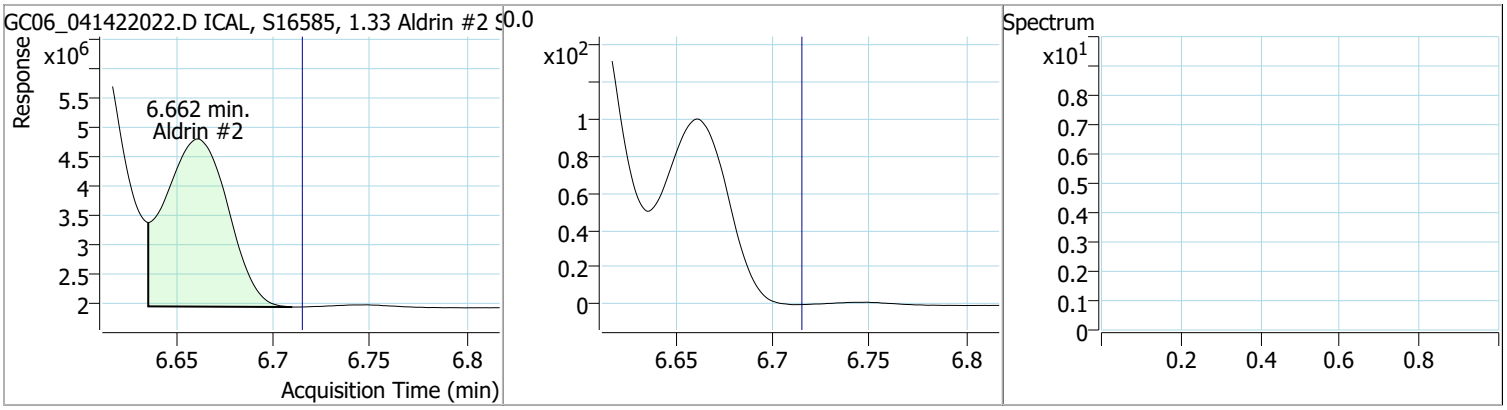
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	37.4998	6.36	0.00	2280047			



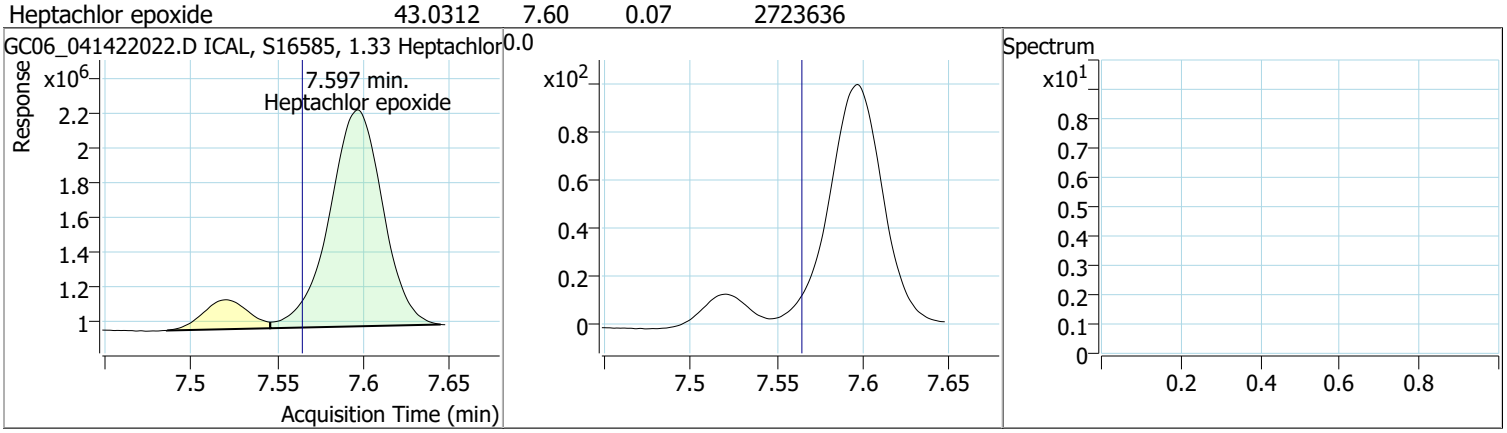
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	47.9170	6.74	0.03	3182685			



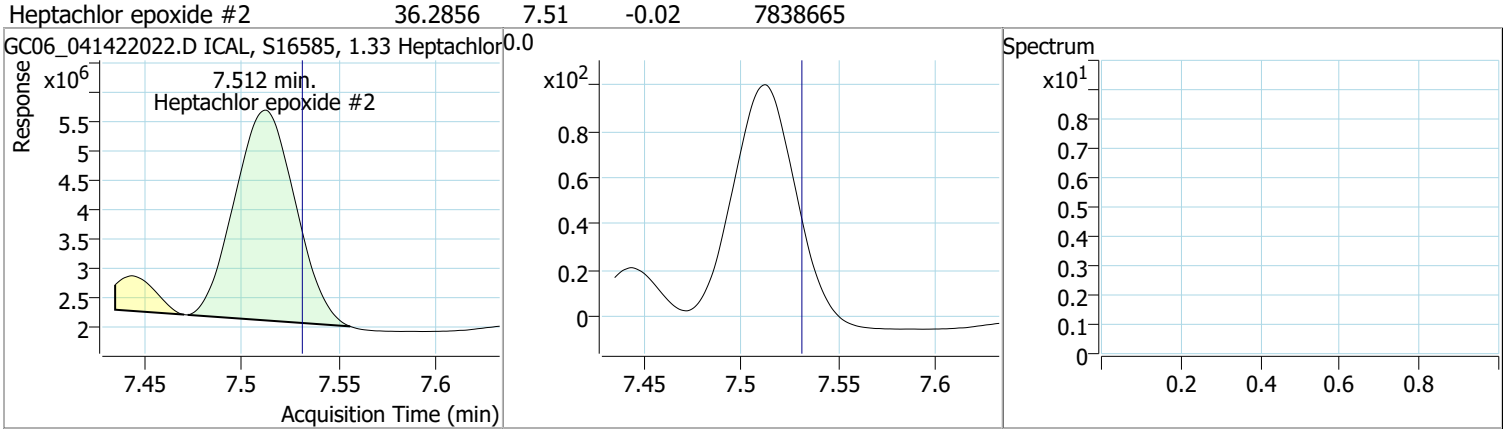
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	32.1876	6.66	-0.06	6459364			



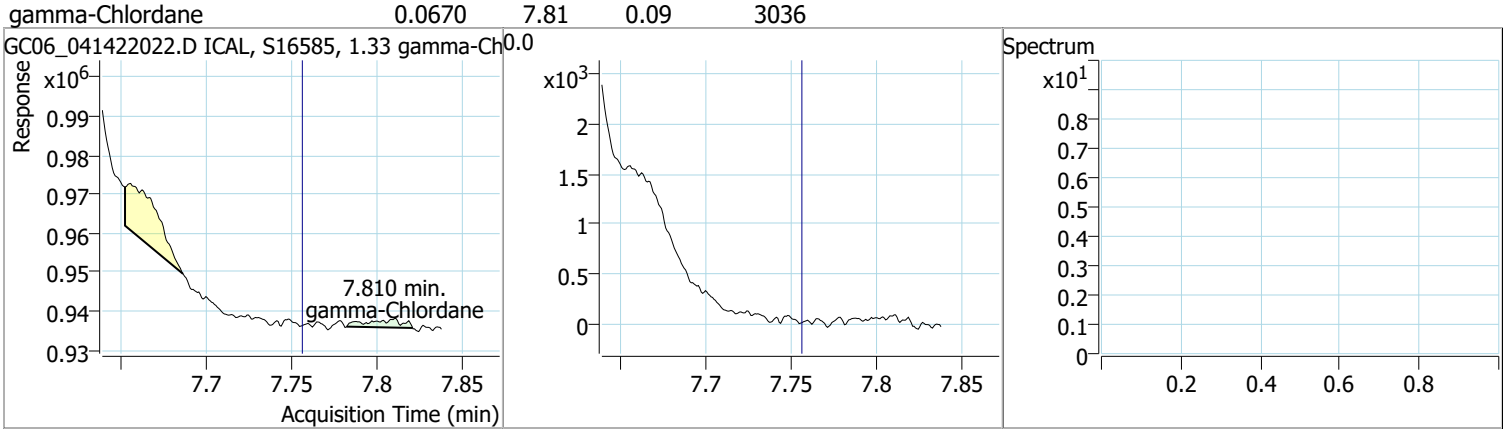
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	43.0312	7.60	0.07	2723636			



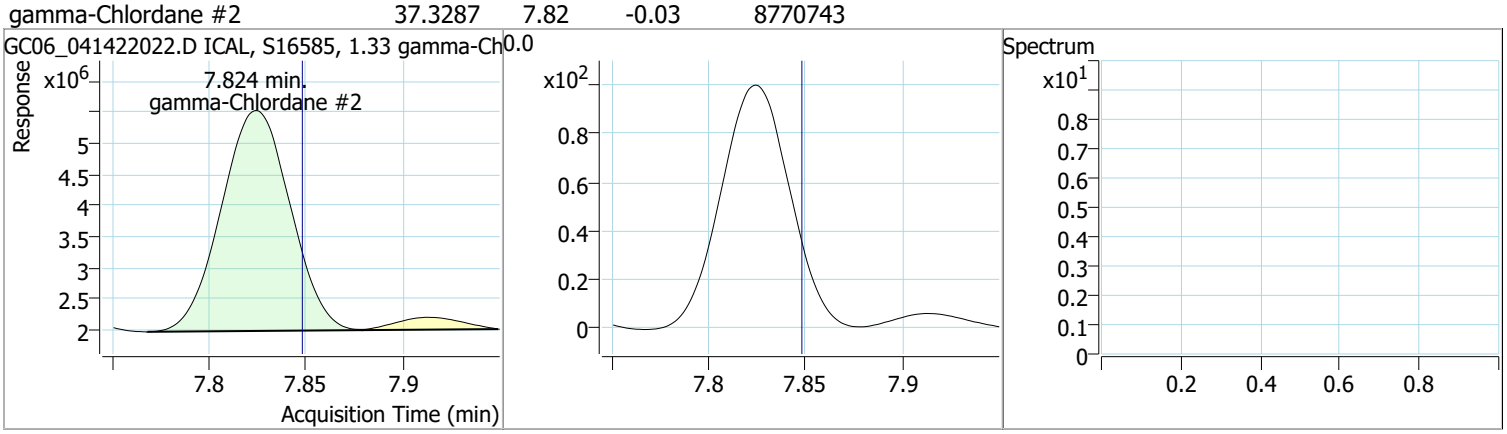
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	36.2856	7.51	-0.02	7838665			



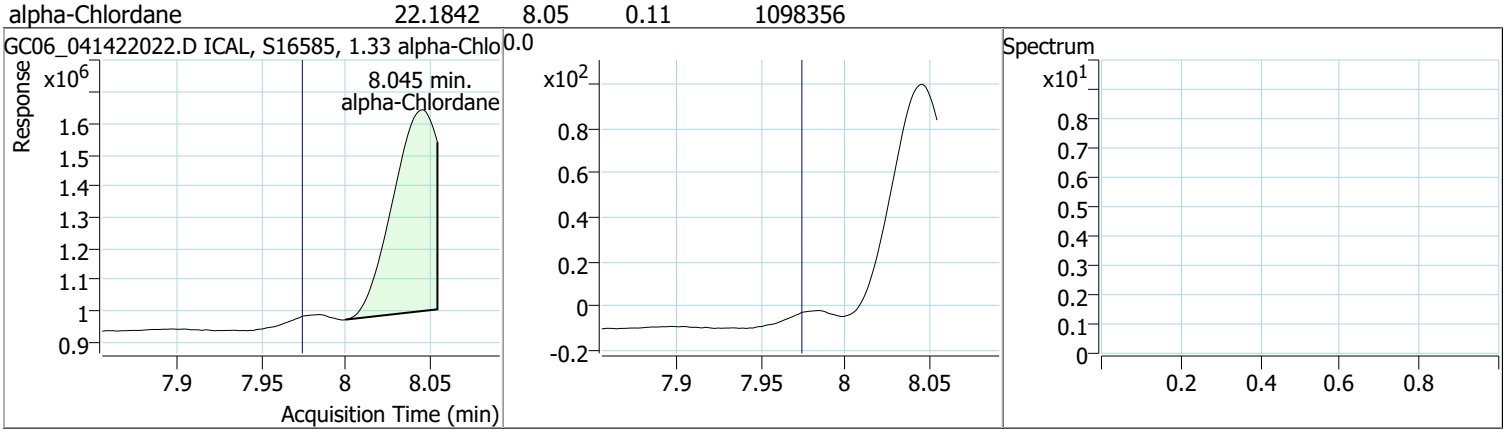
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.0670	7.81	0.09	3036			



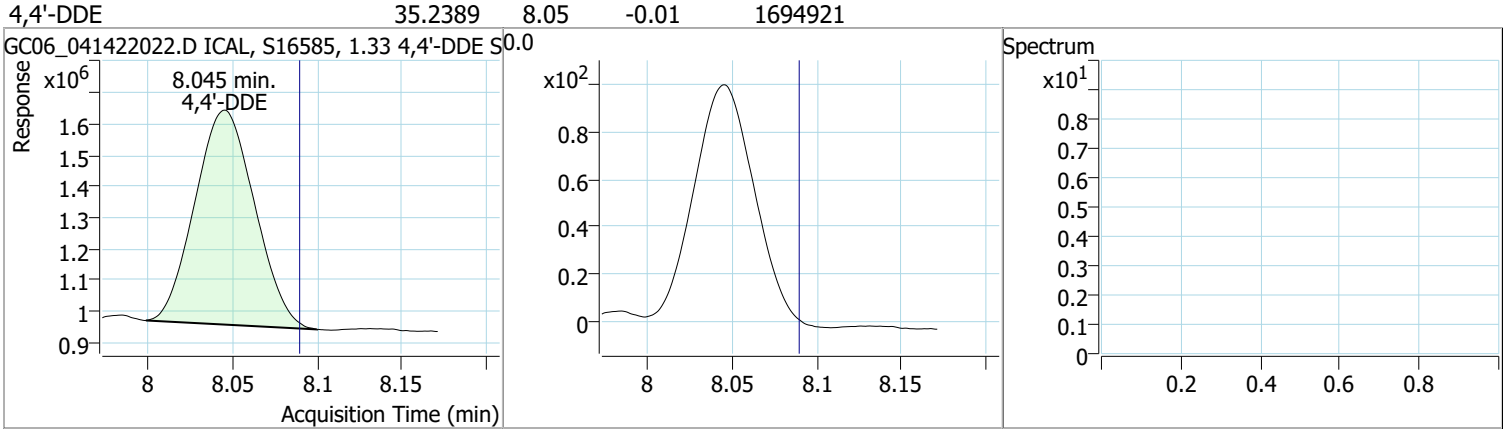
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	37.3287	7.82	-0.03	8770743			



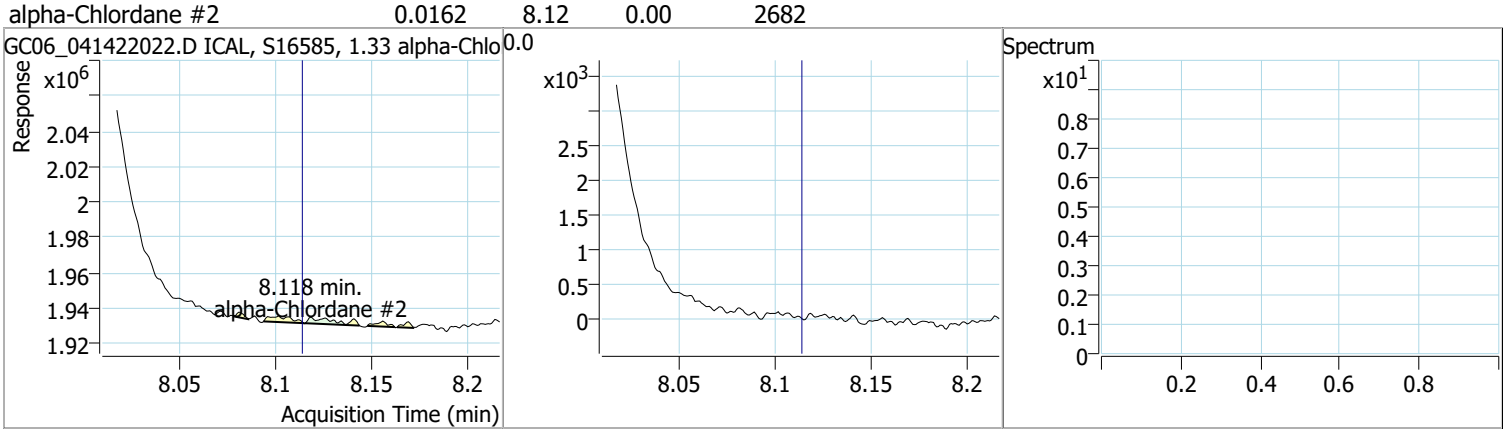
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	22.1842	8.05	0.11	1098356			



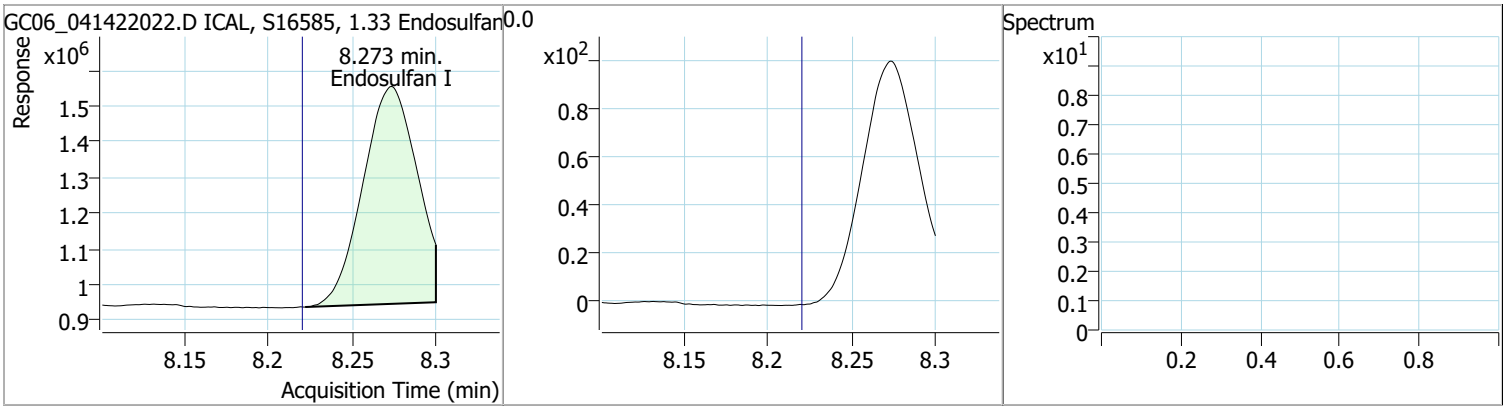
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	35.2389	8.05	-0.01	1694921			



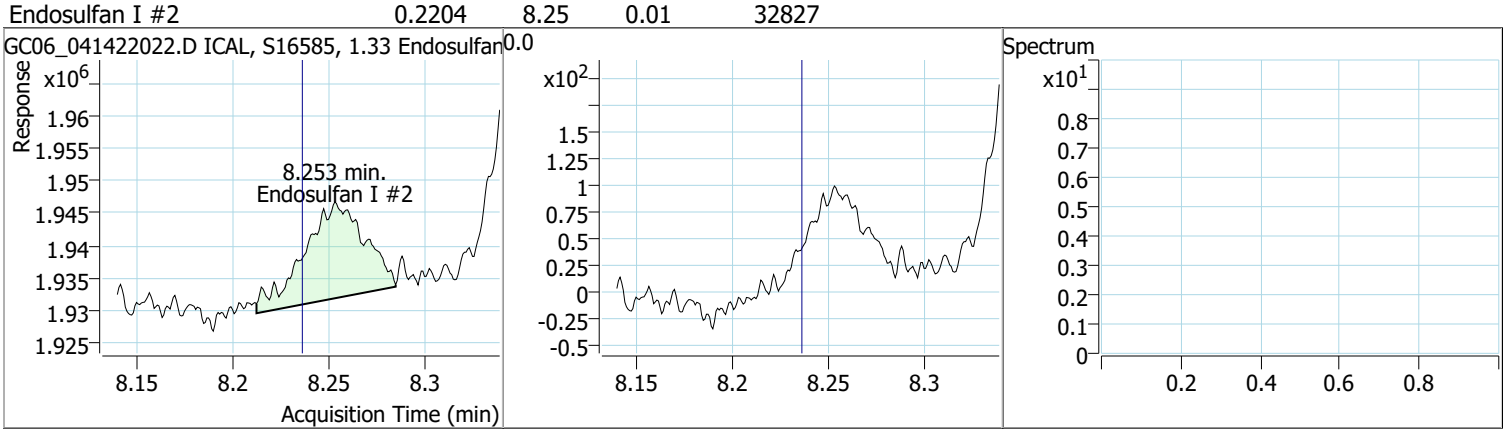
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane #2	0.0162	8.12	0.00	2682			



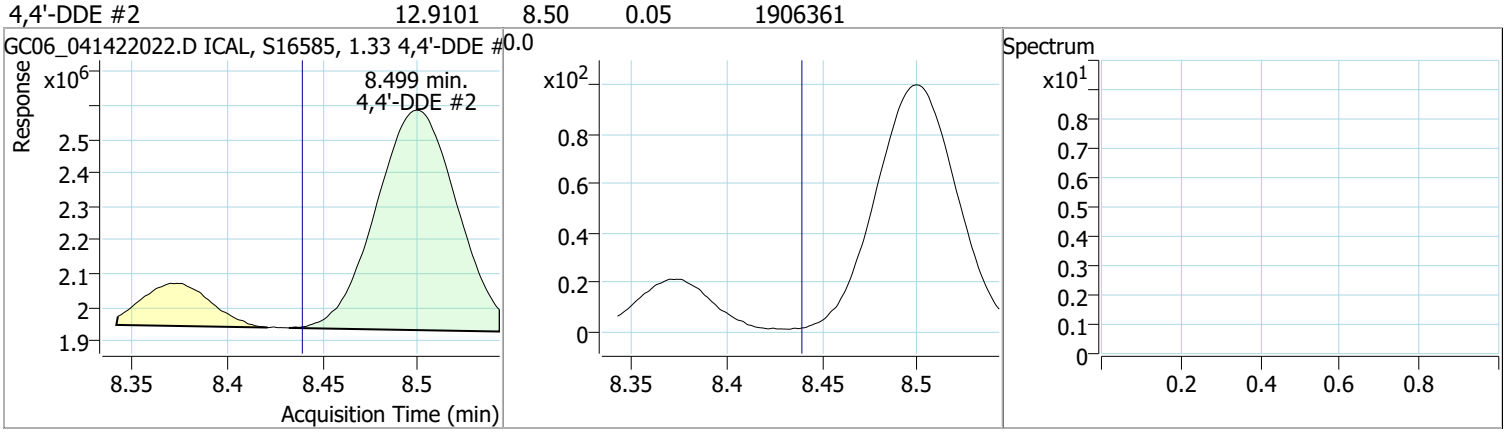
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	28.6798	8.27	0.09	1358875			



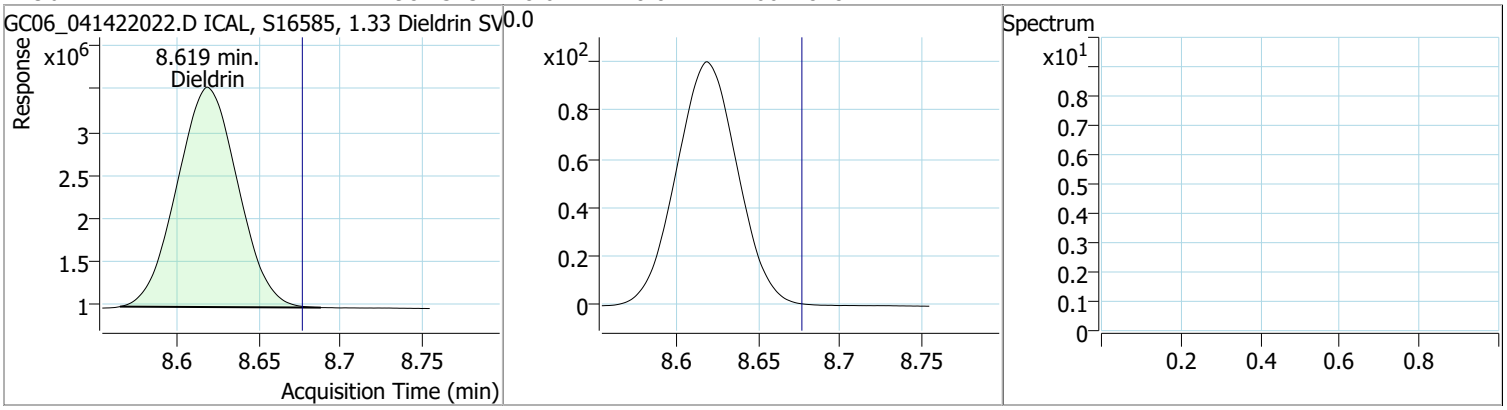
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I #2	0.2204	8.25	0.01	32827			



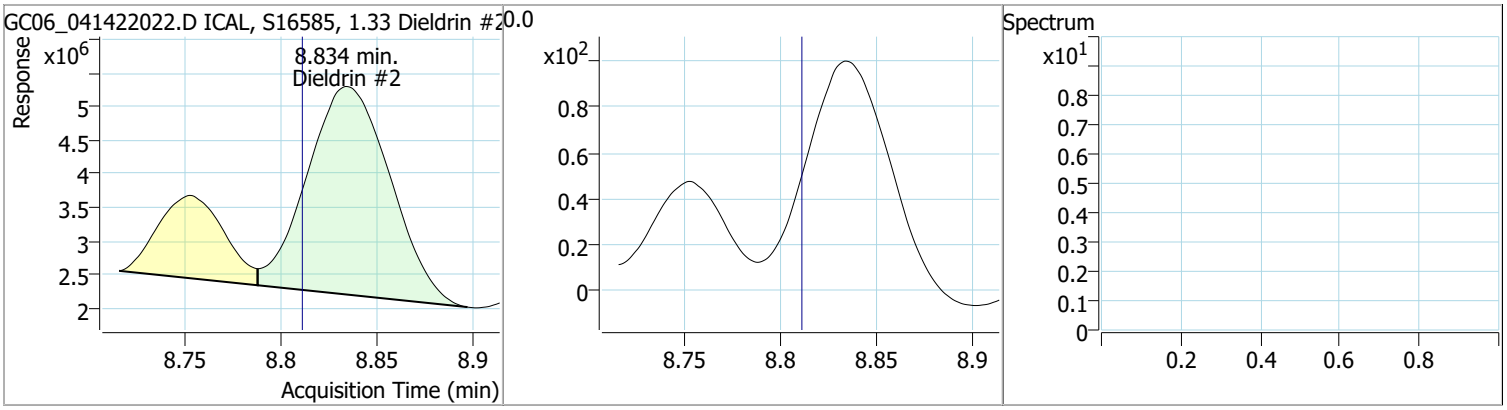
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	12.9101	8.50	0.05	1906361			



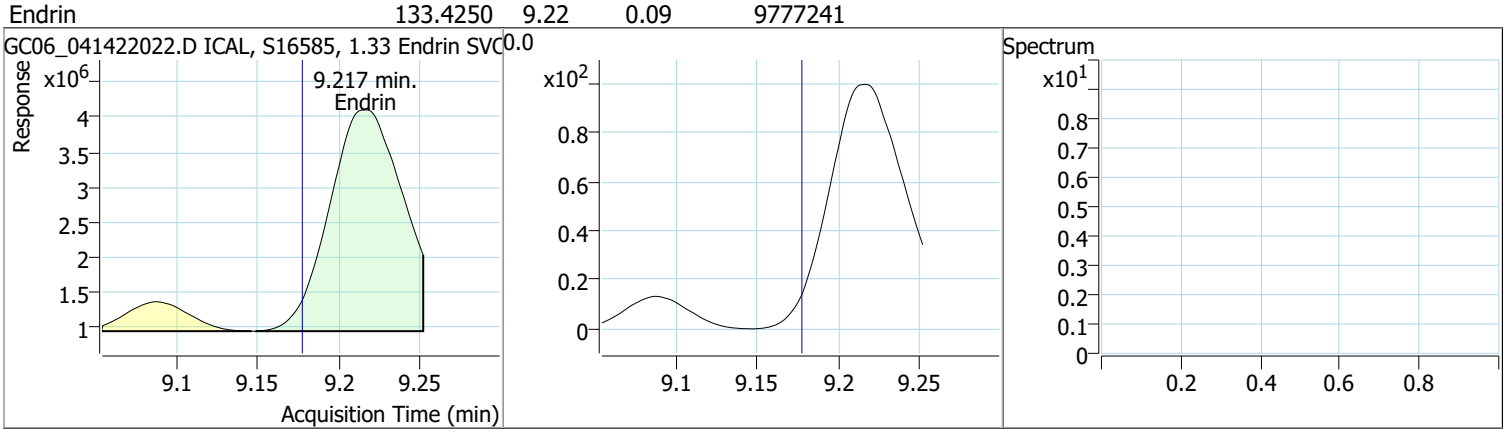
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin	98.2375	8.62	-0.01	6612828			



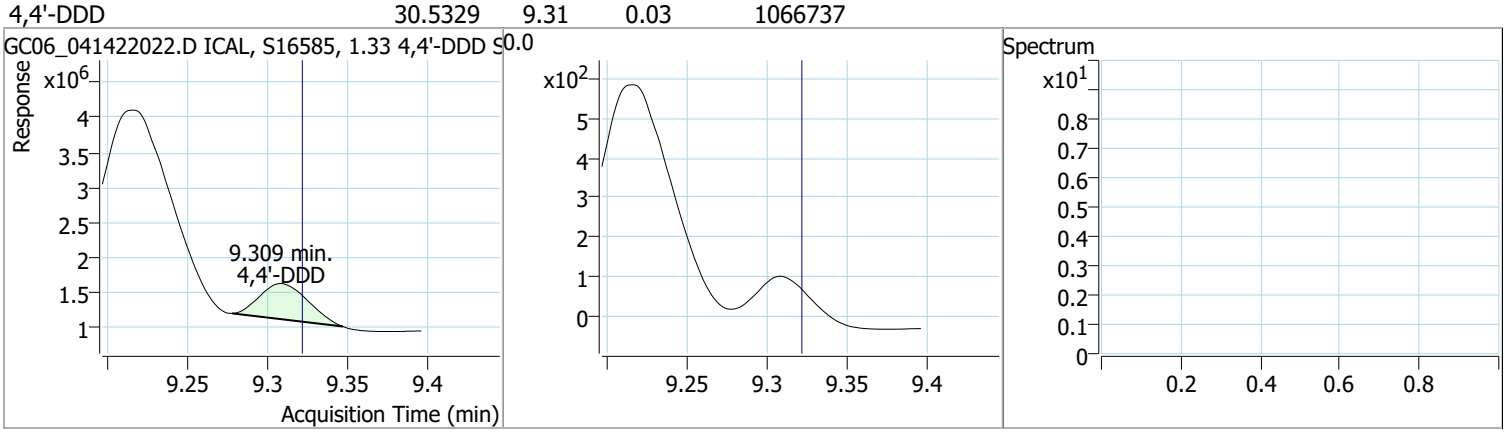
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	51.0192	8.83	0.02	9357717			



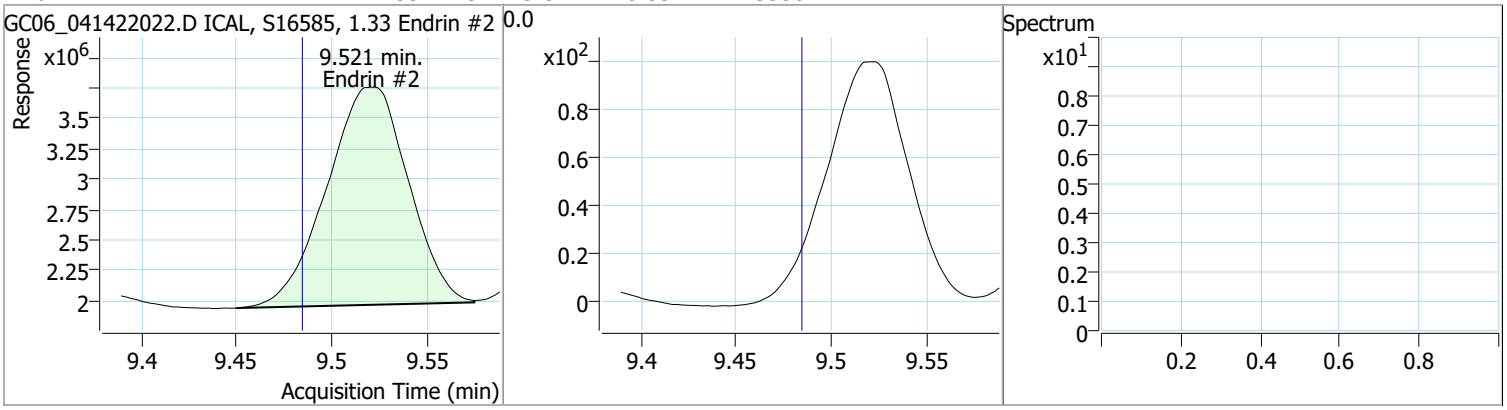
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin	133.4250	9.22	0.09	9777241			



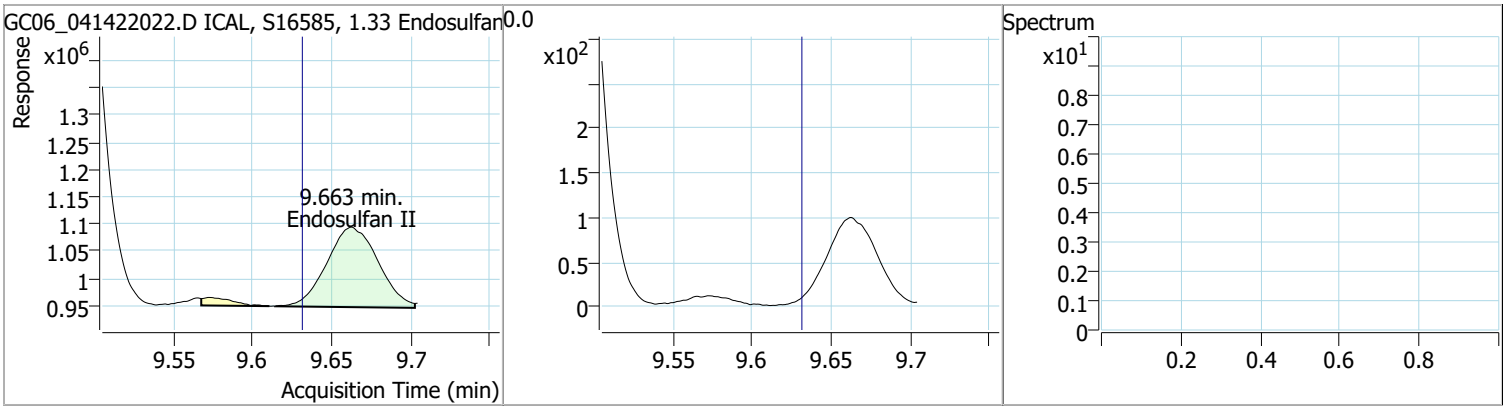
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	30.5329	9.31	0.03	1066737			



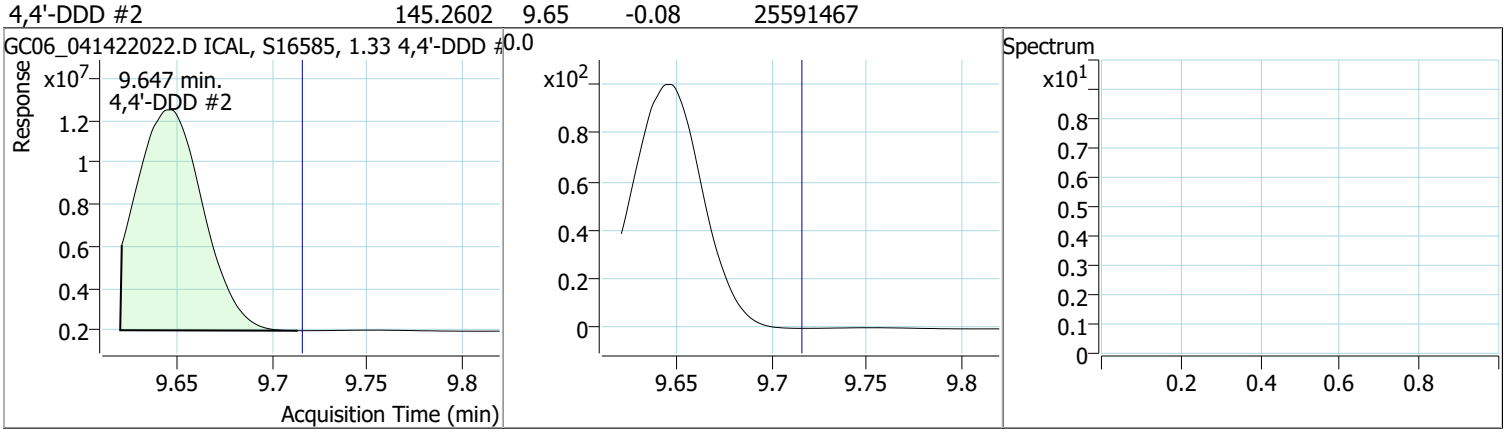
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin #2	33.4429	9.52	0.03	5338414			



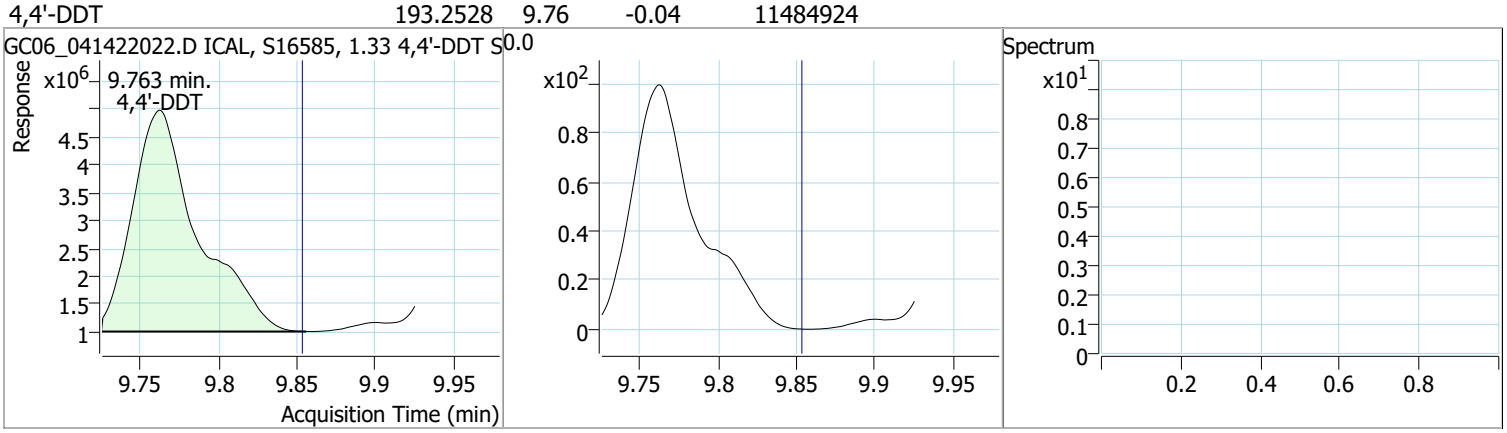
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II	7.6524	9.66	0.08	331711			



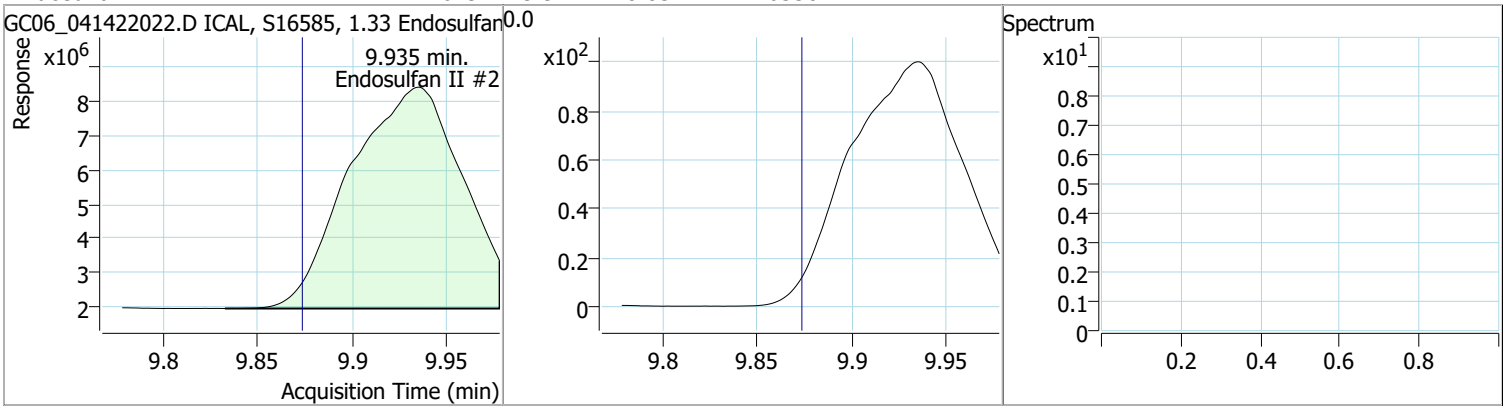
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	145.2602	9.65	-0.08	25591467			



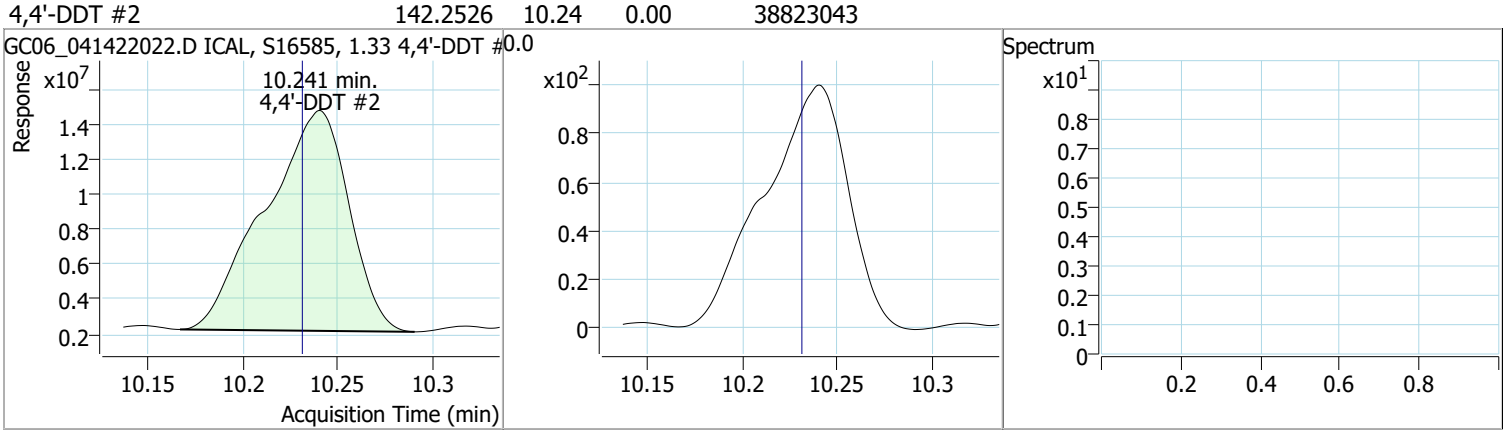
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	193.2528	9.76	-0.04	11484924			



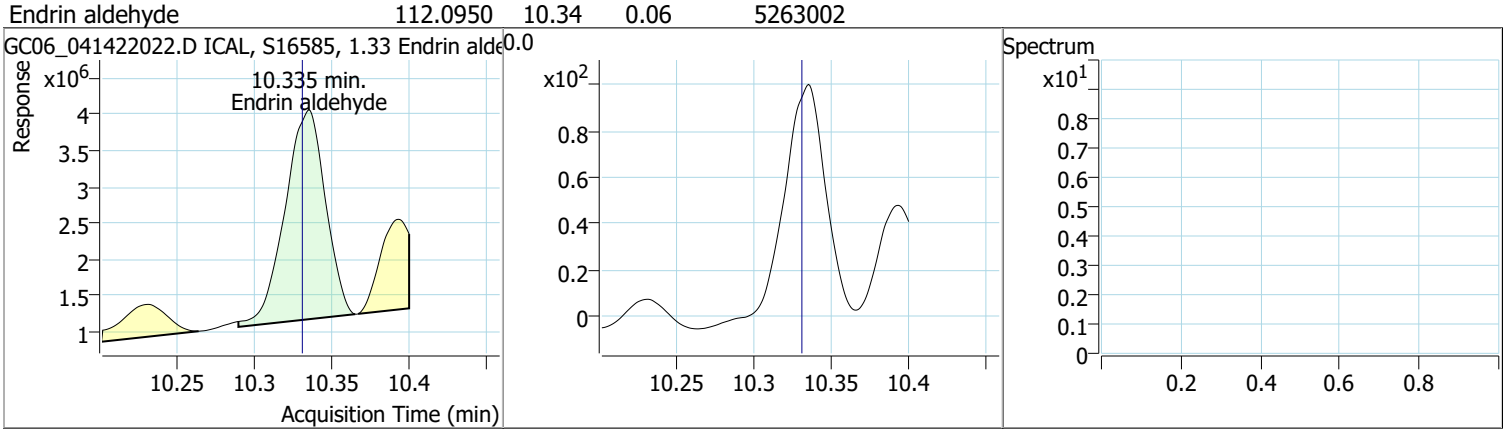
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	111.6491	9.94	0.05	26330722			



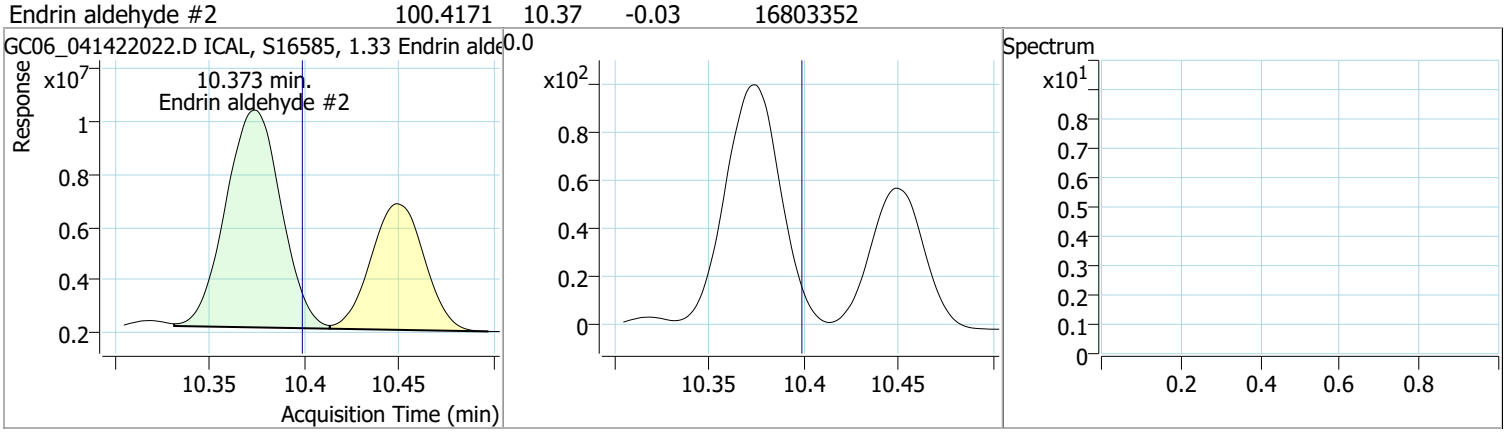
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	142.2526	10.24	0.00	38823043			



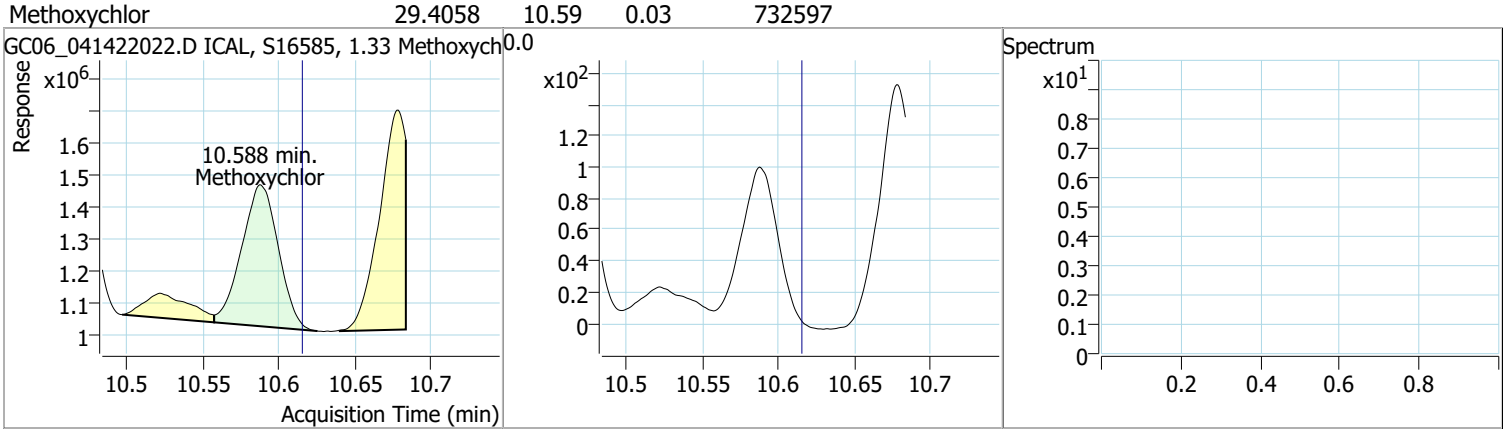
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	112.0950	10.34	0.06	5263002			



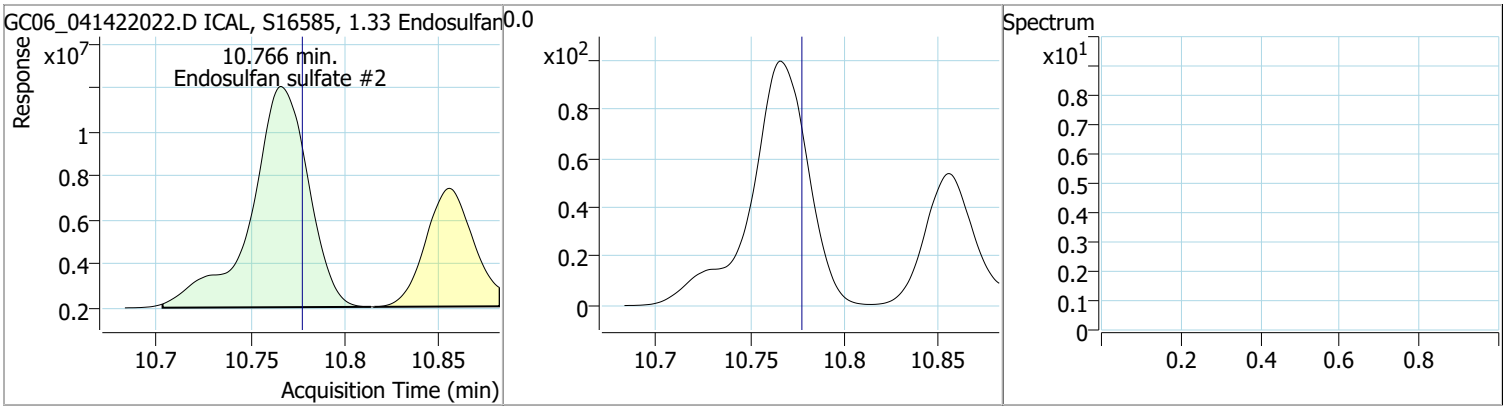
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	100.4171	10.37	-0.03	16803352			



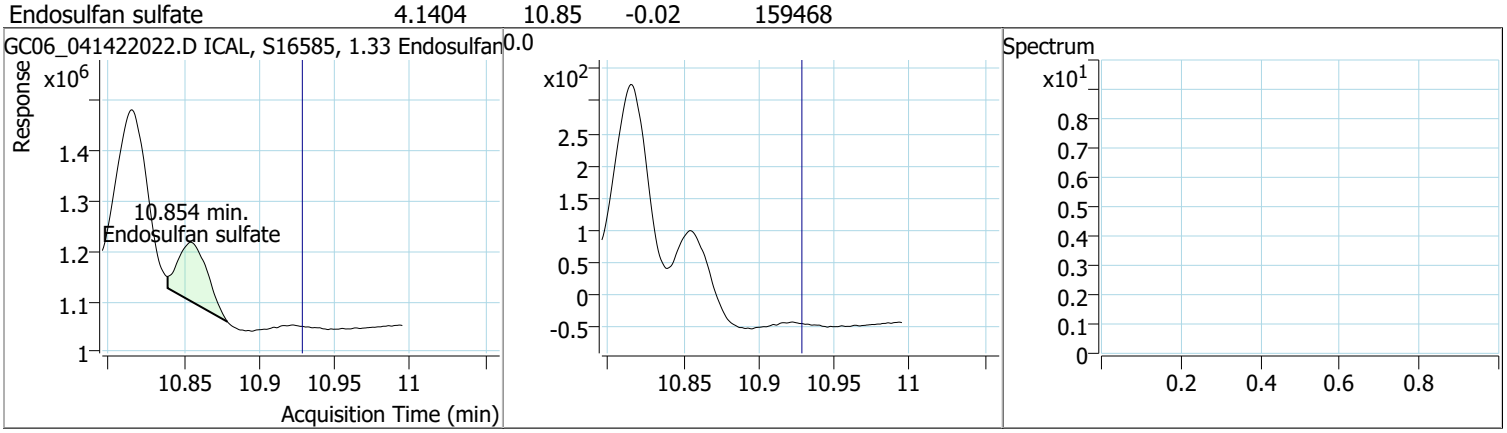
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	29.4058	10.59	0.03	732597			



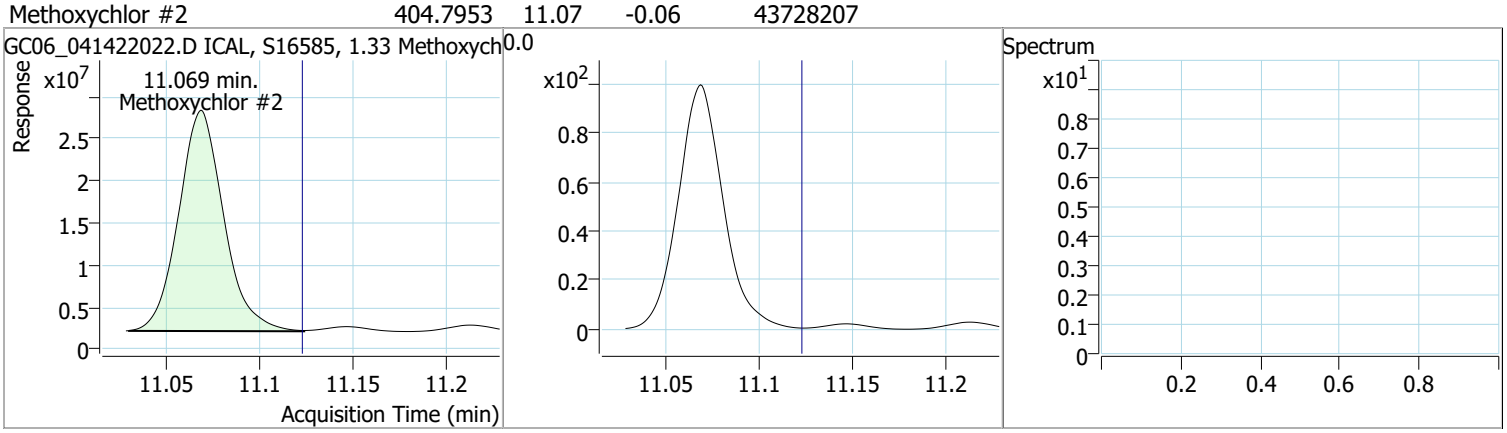
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	108.8634	10.77	-0.02	21350803			



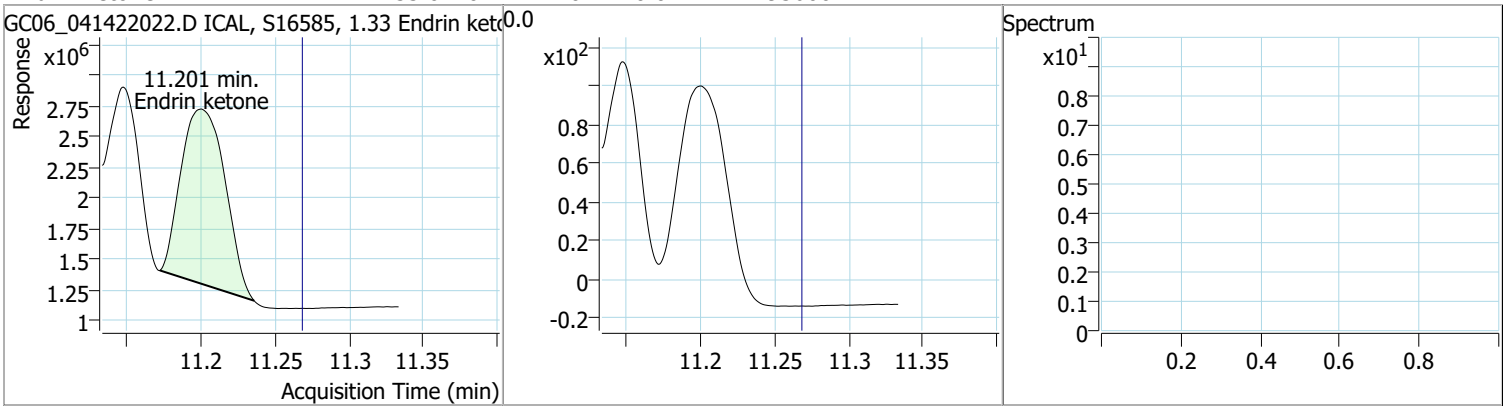
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	4.1404	10.85	-0.02	159468			



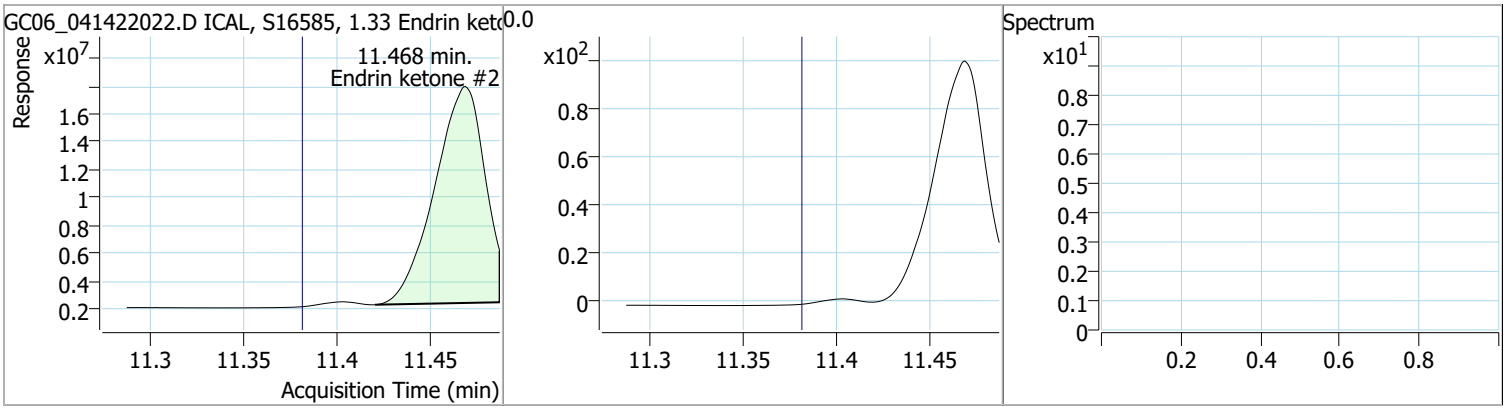
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	404.7953	11.07	-0.06	43728207			



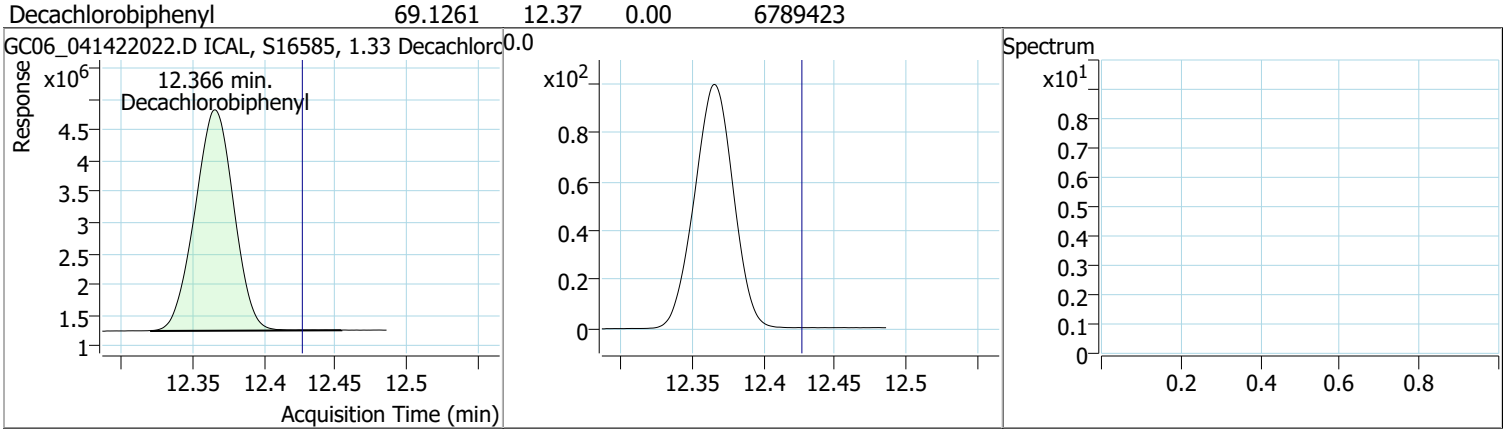
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	53.0210	11.20	-0.01	2936002			



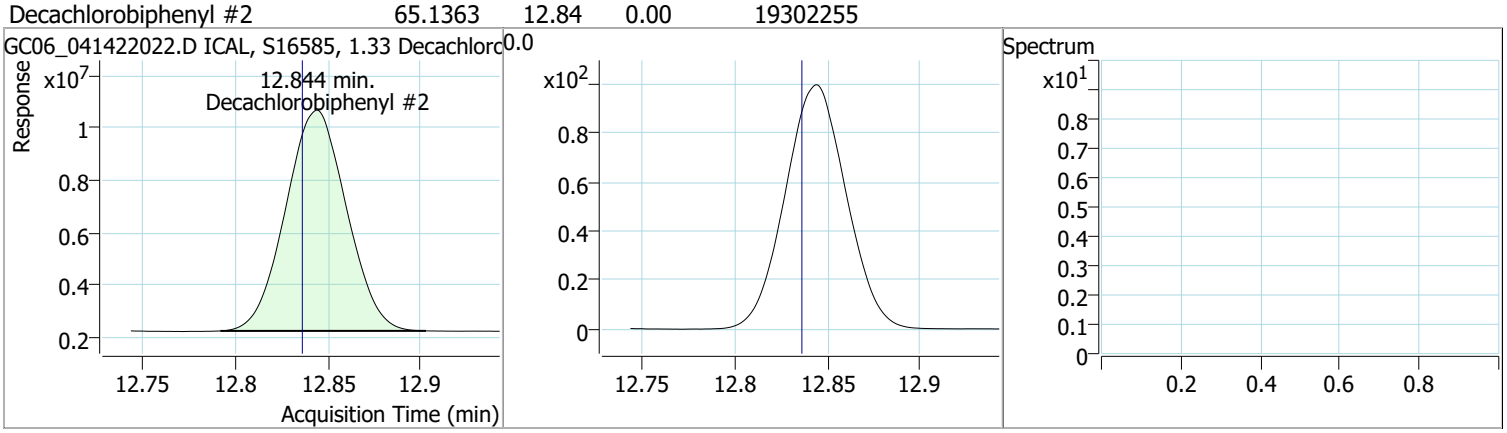
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	114.7893	11.47	0.08	28593437			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	69.1261	12.37	0.00	6789423			

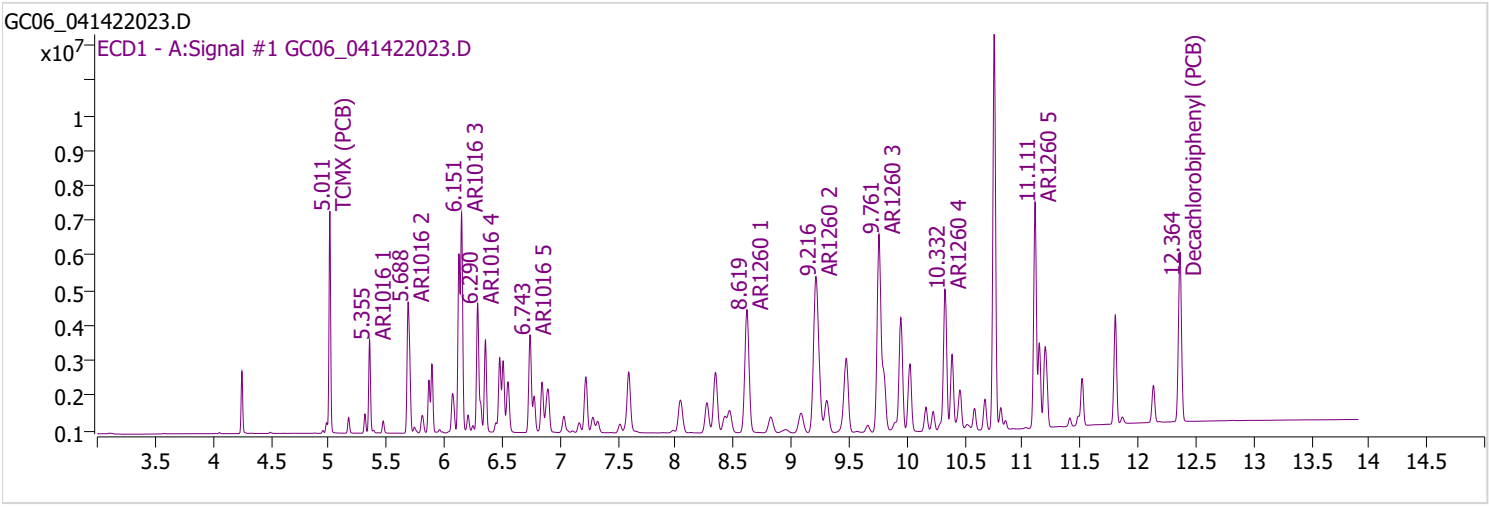


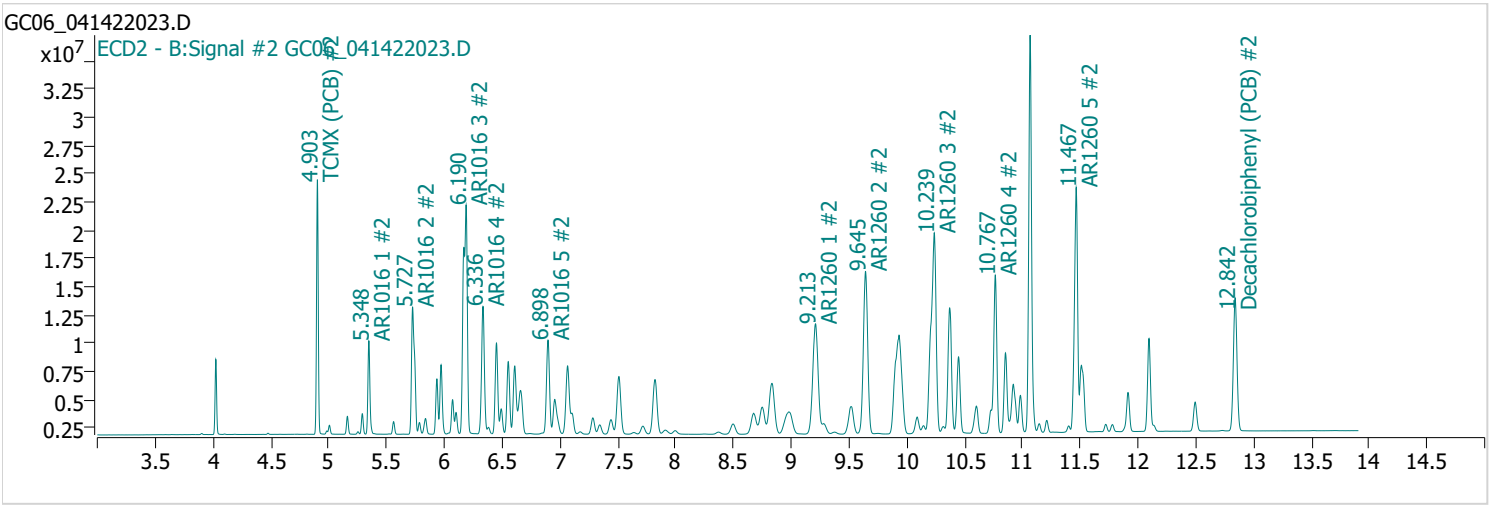
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	65.1363	12.84	0.00	19302255			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422023.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 9:01:51 PM
Sample Name	ICAL, S16585, 1	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 119	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



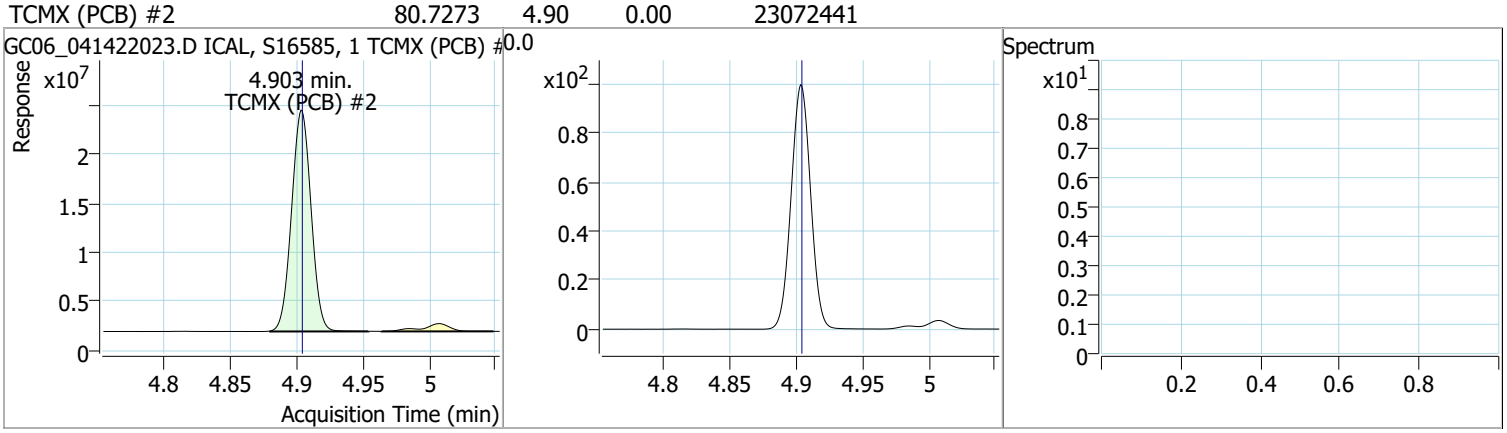


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.251	4.025	1728200	6239853	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.011	4.903	6326720	23072441	76.109	80.727	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	380.55% *	403.64% *	
S Decachlorobiphenyl (PCB)	12.364	12.842	8981647	25771825	68.352	68.446	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	341.76% *	342.23% *	
Target Compounds							
T AR1016 1	5.355	5.348	2929621	10090873	1733.008	1726.875	ng/ml
T AR1016 2	5.688	5.727	6182408	21228359	1679.632	1750.565	ng/ml
T AR1016 3	6.151	6.190	7982433	29510280 m	1842.689	1845.253	ng/ml
T AR1016 4	6.290	6.336	5804825	19279898	1790.637	1776.968	ng/ml
T AR1016 5	6.743	6.898	4390712	15286645	1750.926	1802.095	ng/ml
T AR1260 1	8.619	9.213	9121847	31736730 m	1677.209	1680.482	ng/ml
T AR1260 2	9.216	9.645	14329665	37530247	1710.621	1719.867	ng/ml
T AR1260 3	9.761	10.239	16042802 m	53137458	1842.237	1792.328	ng/ml
T AR1260 4	10.332	10.767	7597633	28812281	1754.273	1795.986	ng/ml

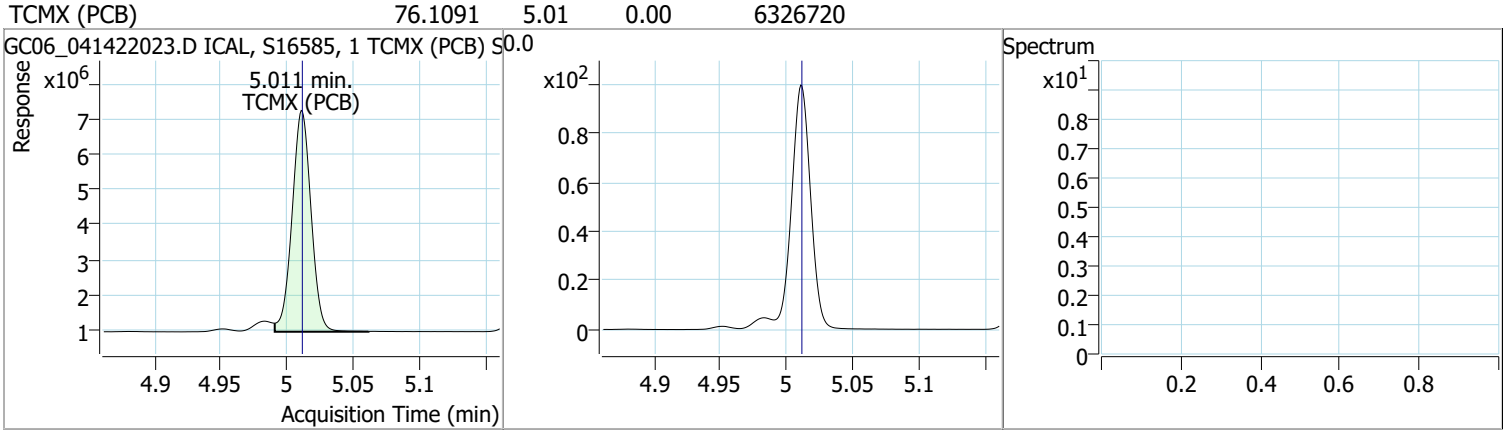
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.111	11.467	10625267	42001201	1853.637	1775.789	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

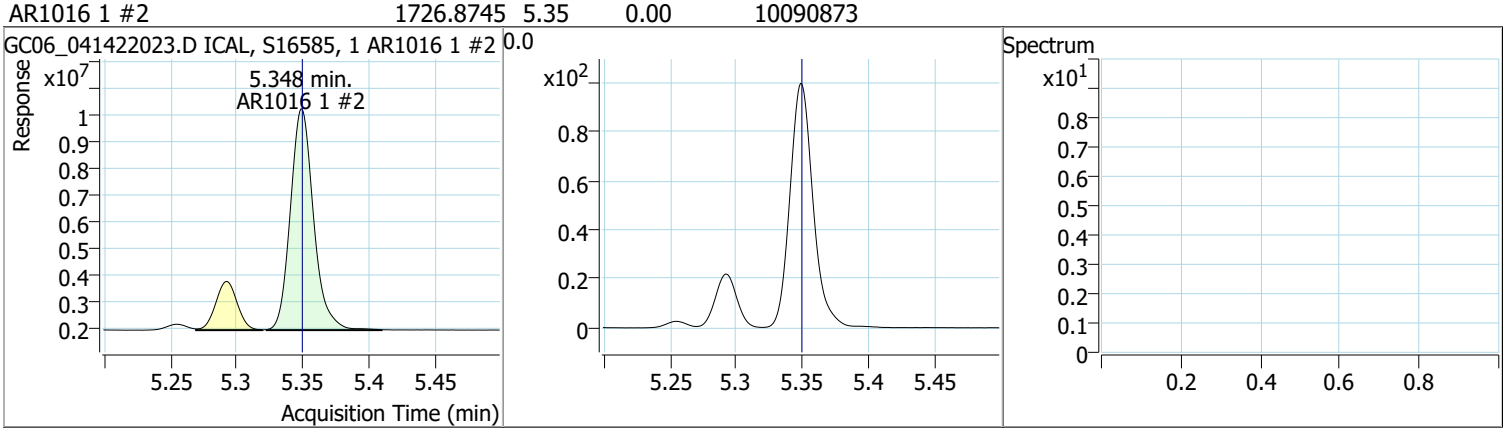
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	80.7273	4.90	0.00	23072441			



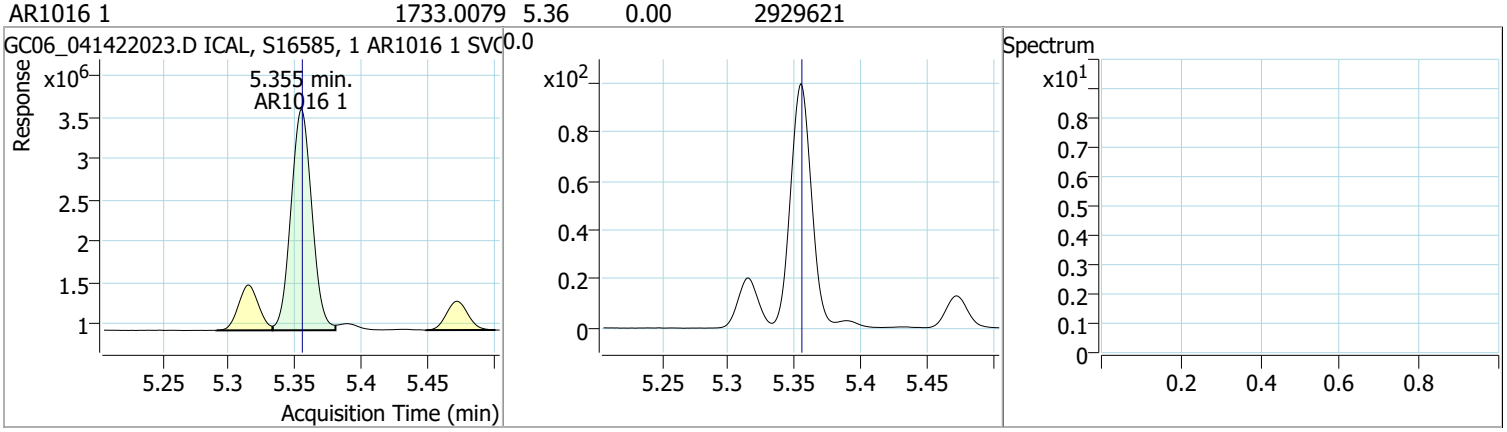
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	76.1091	5.01	0.00	6326720			



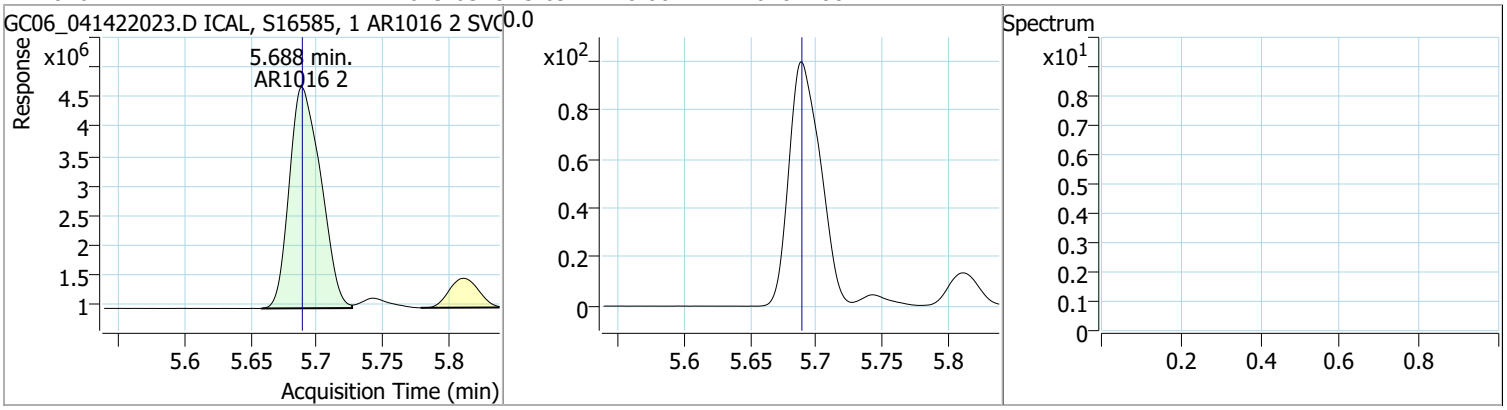
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	1726.8745	5.35	0.00	10090873			



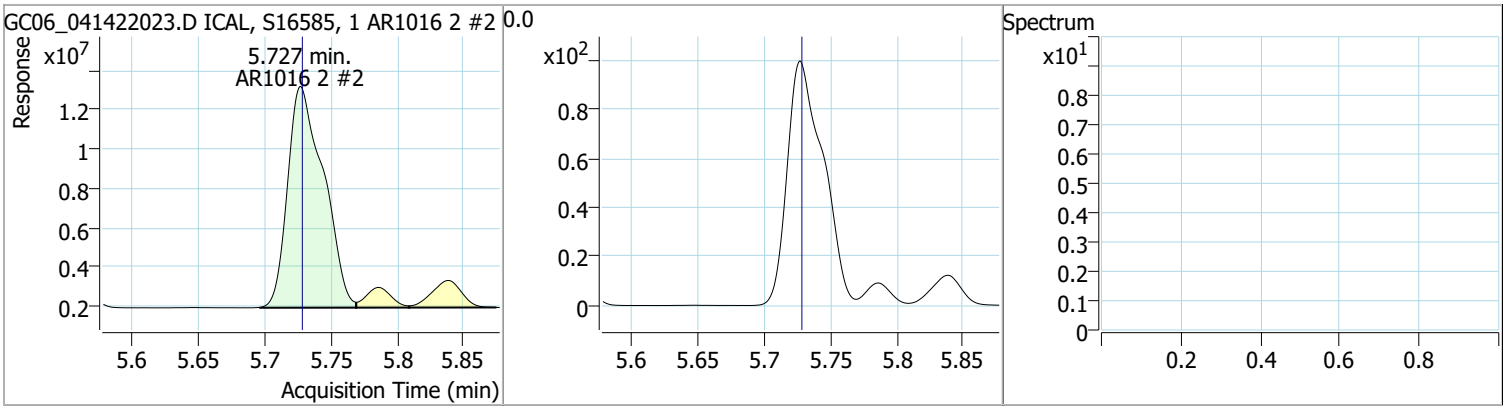
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	1733.0079	5.36	0.00	2929621			



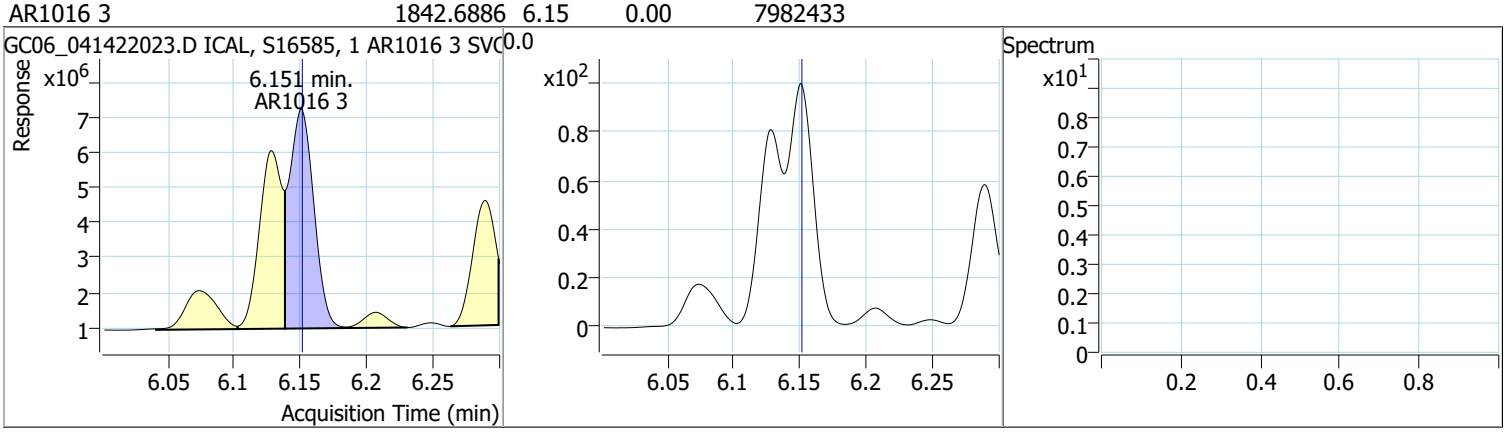
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2	1679.6318	5.69	0.00	6182408			



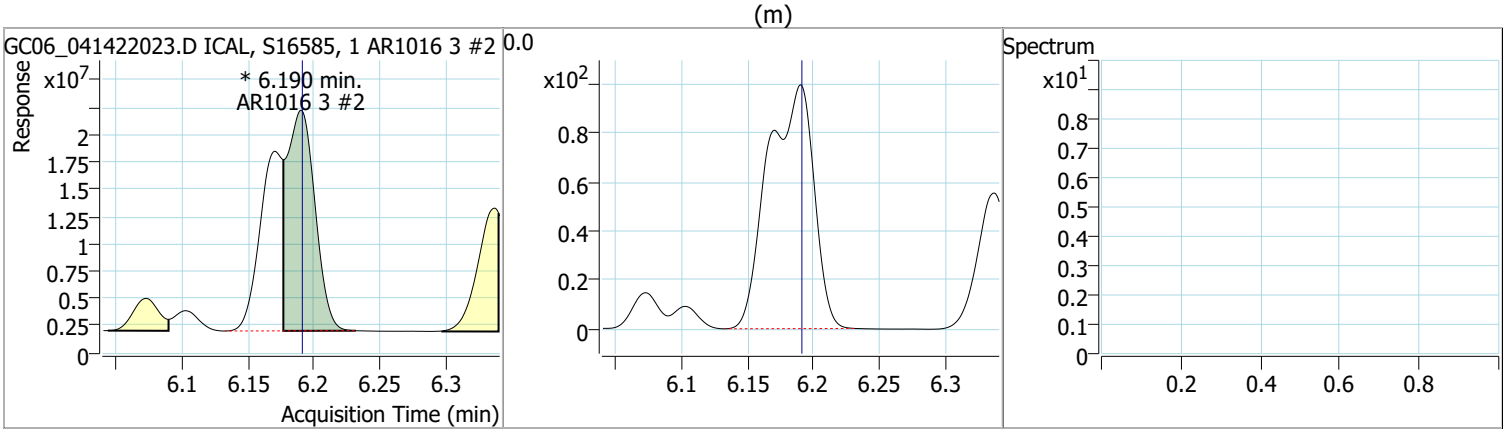
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 2 #2	1750.5648	5.73	0.00	21228359			



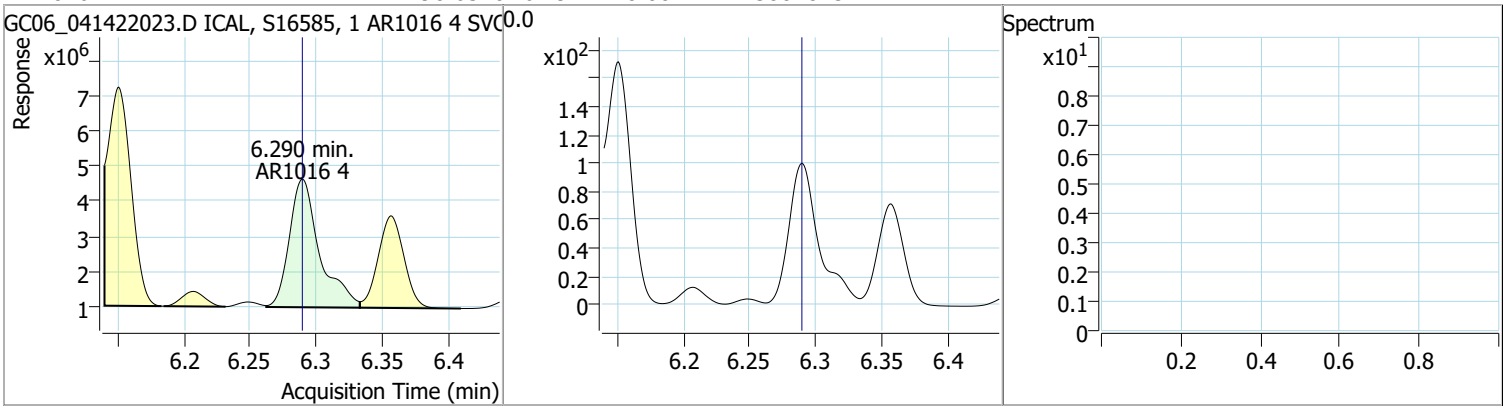
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3	1842.6886	6.15	0.00	7982433			



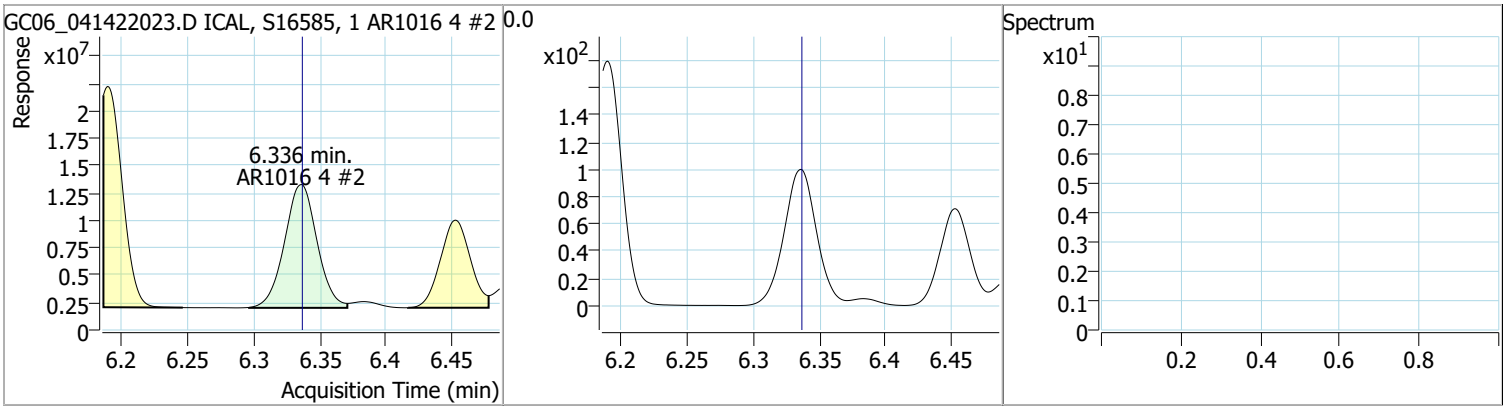
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 3 #2	1845.2535	6.19	0.00	29510280 (m)			



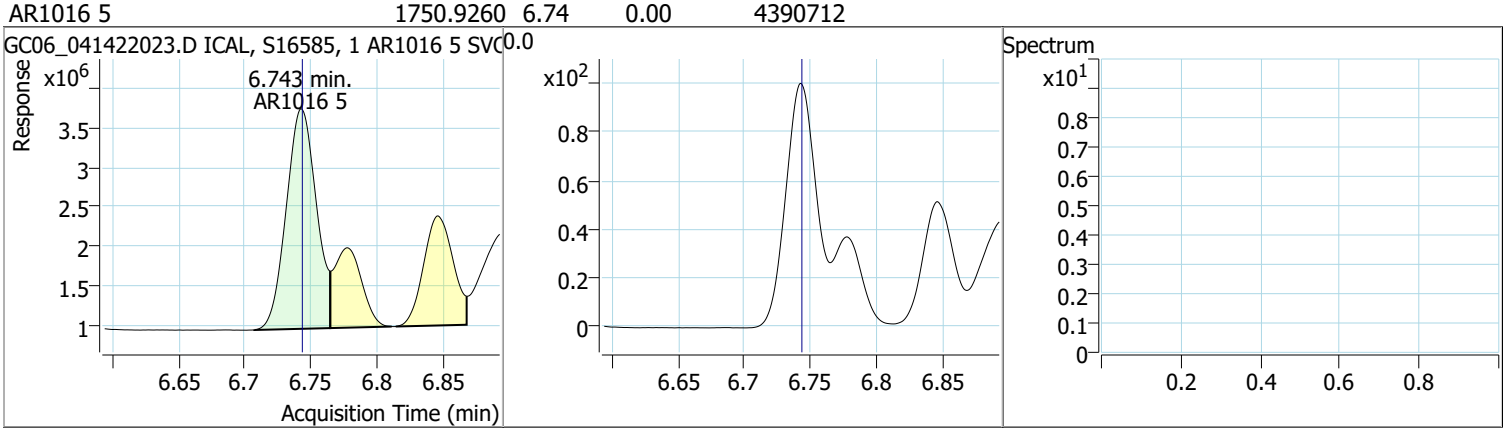
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	1790.6370	6.29	0.00	5804825			



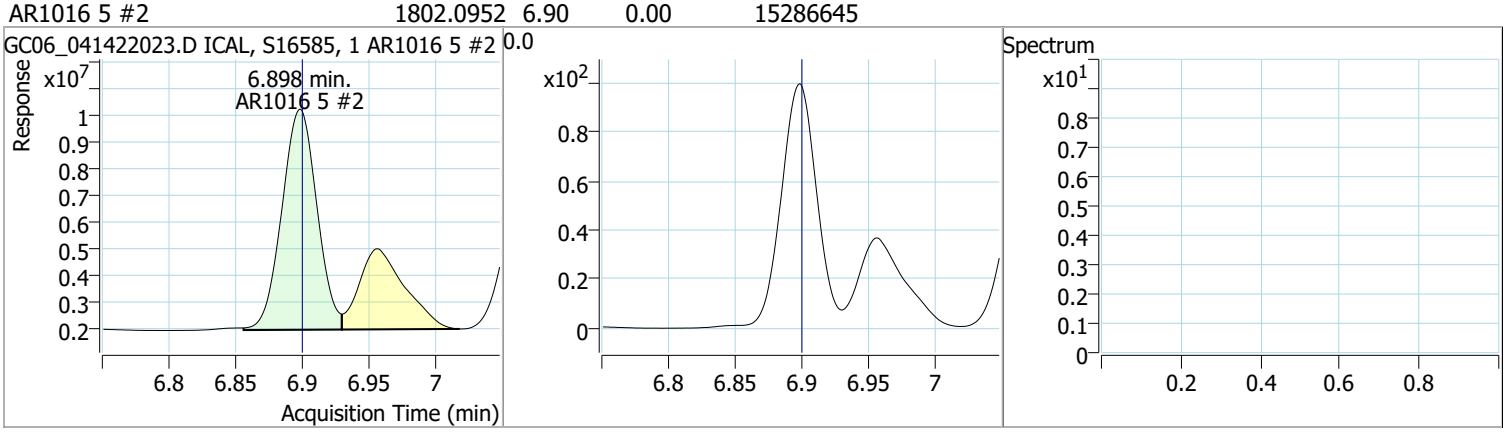
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	1776.9682	6.34	0.00	19279898			



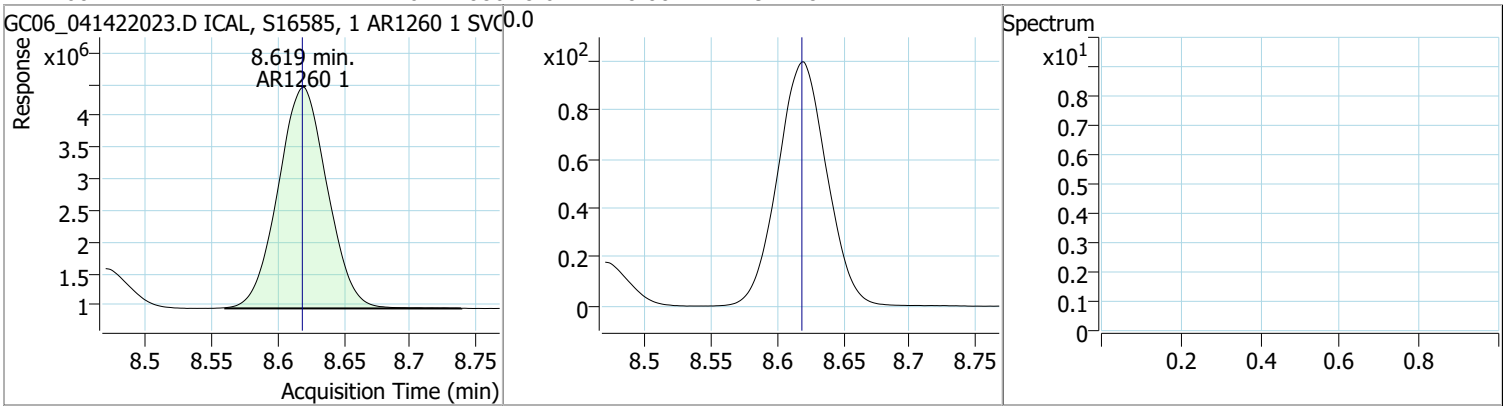
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	1750.9260	6.74	0.00	4390712			



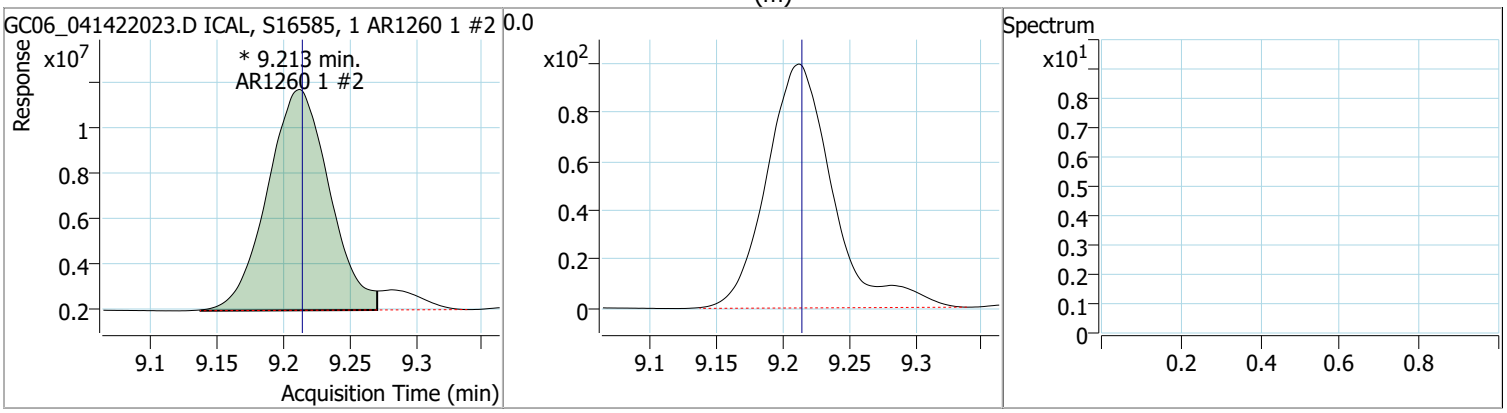
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	1802.0952	6.90	0.00	15286645			



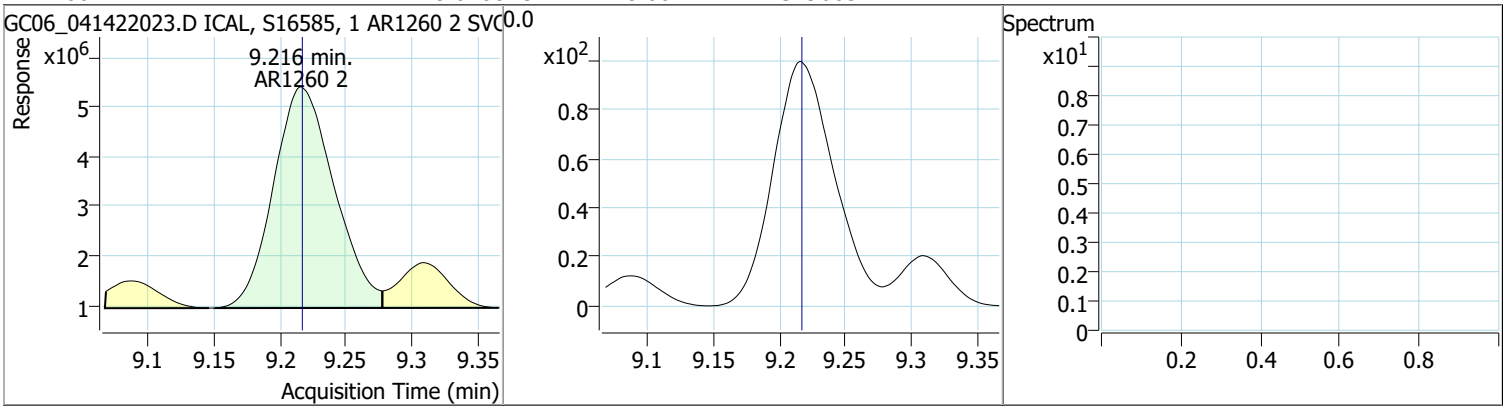
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	1677.2086	8.62	0.00	9121847			



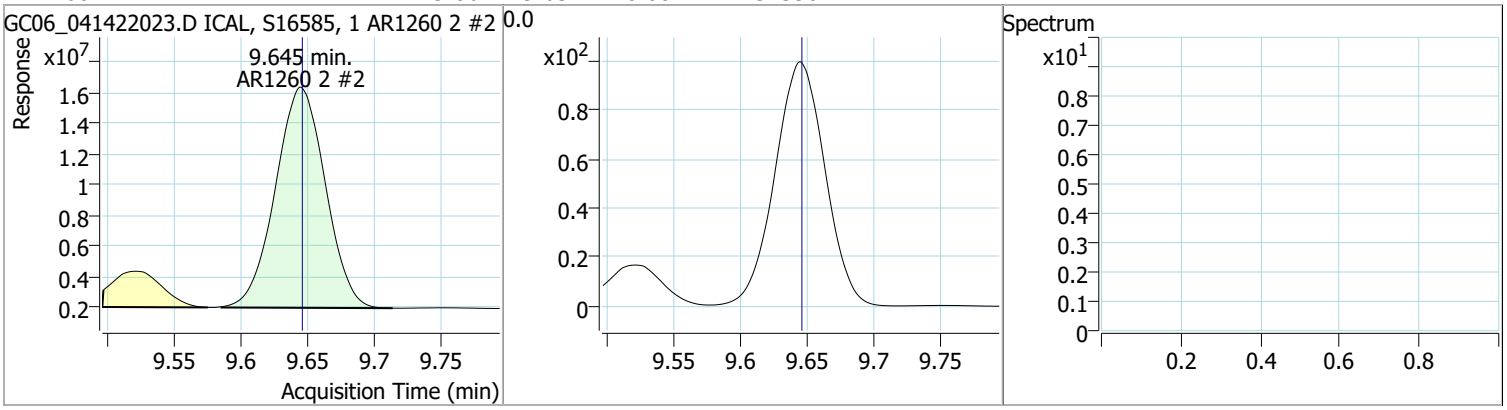
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	1680.4825	9.21	0.00	31736730 (m)			



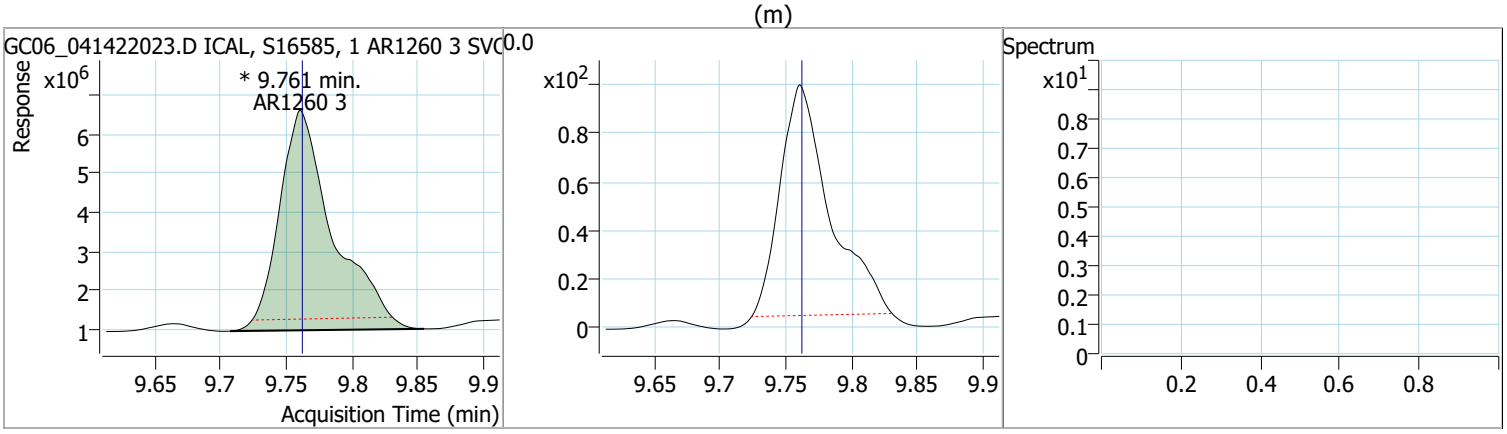
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	1710.6208	9.22	0.00	14329665			



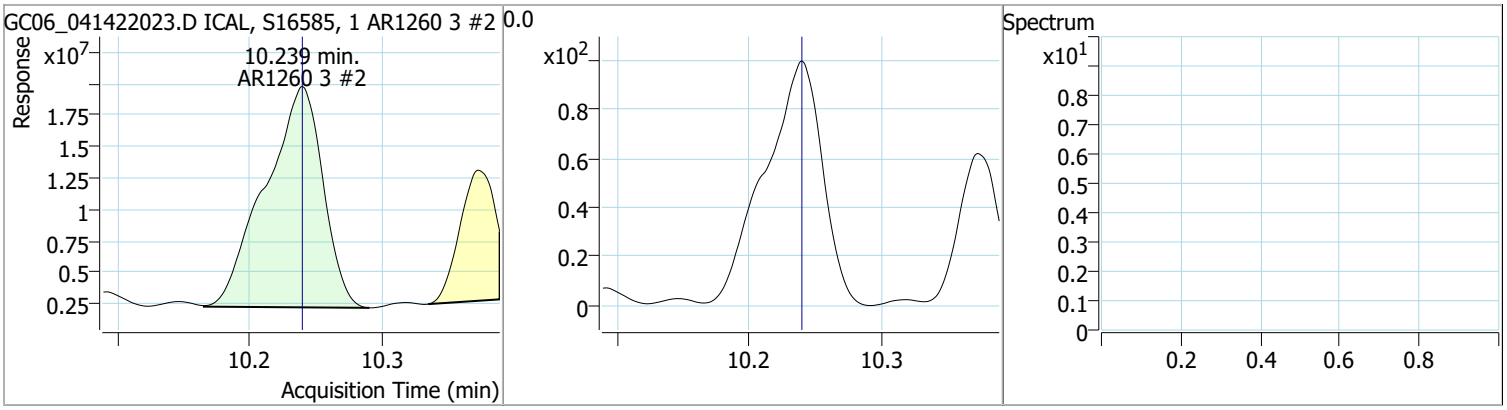
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	1719.8671	9.65	0.00	37530247			



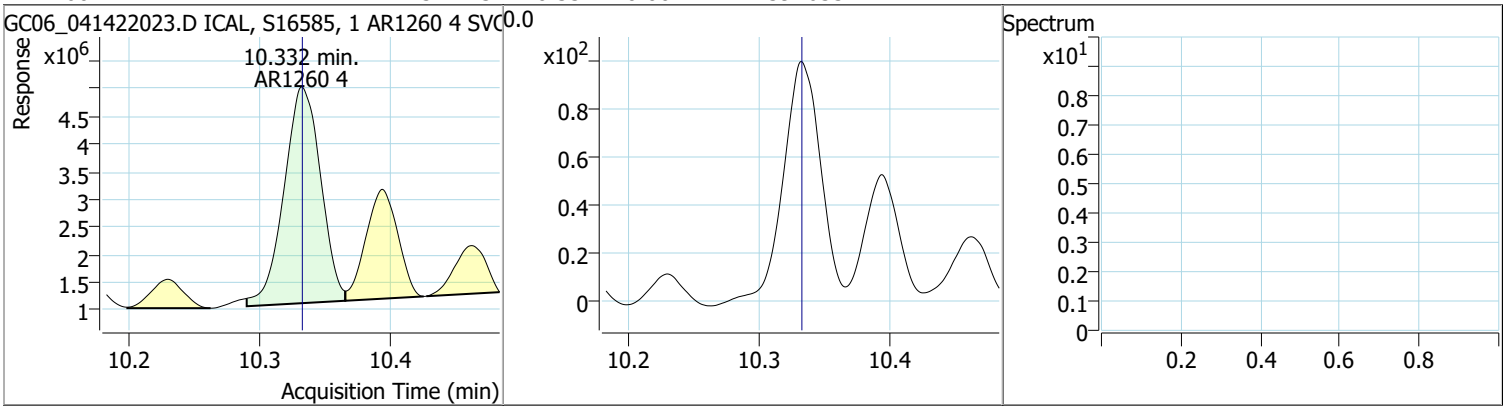
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	1842.2370	9.76	0.00	16042802 (m)			



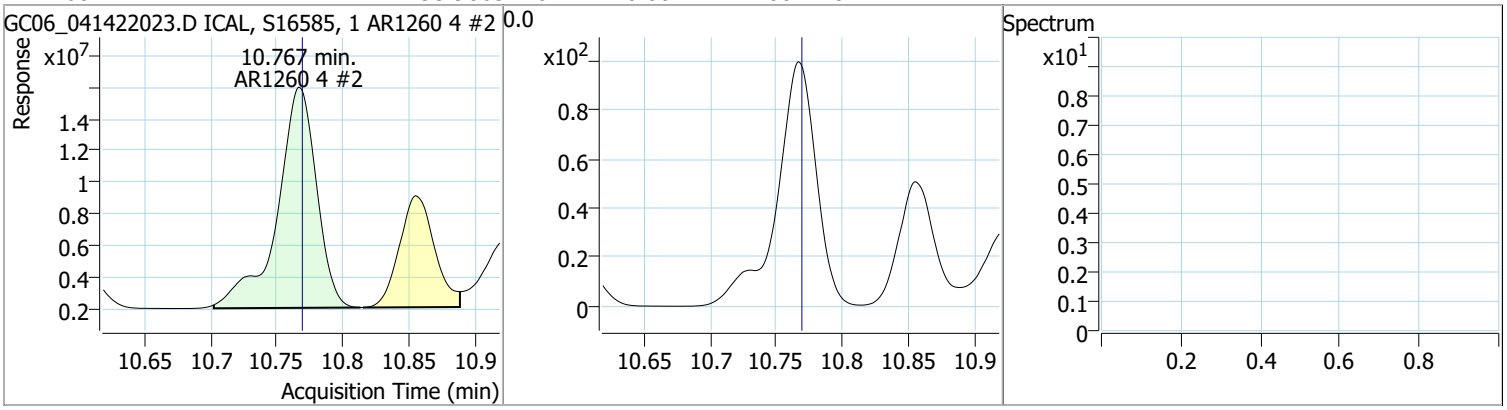
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	1792.3281	10.24	0.00	53137458			



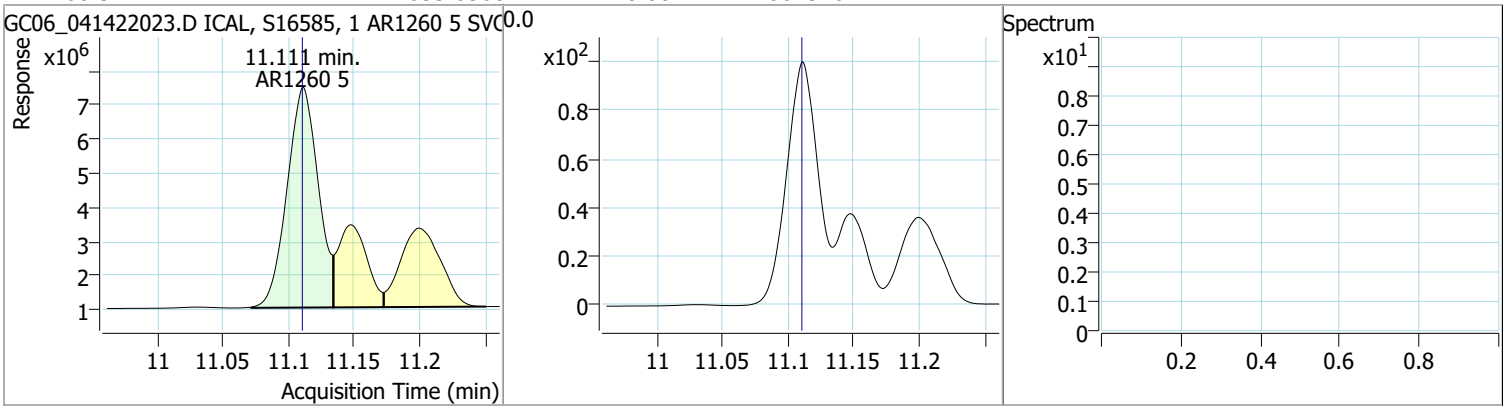
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	1754.2734	10.33	0.00	7597633			



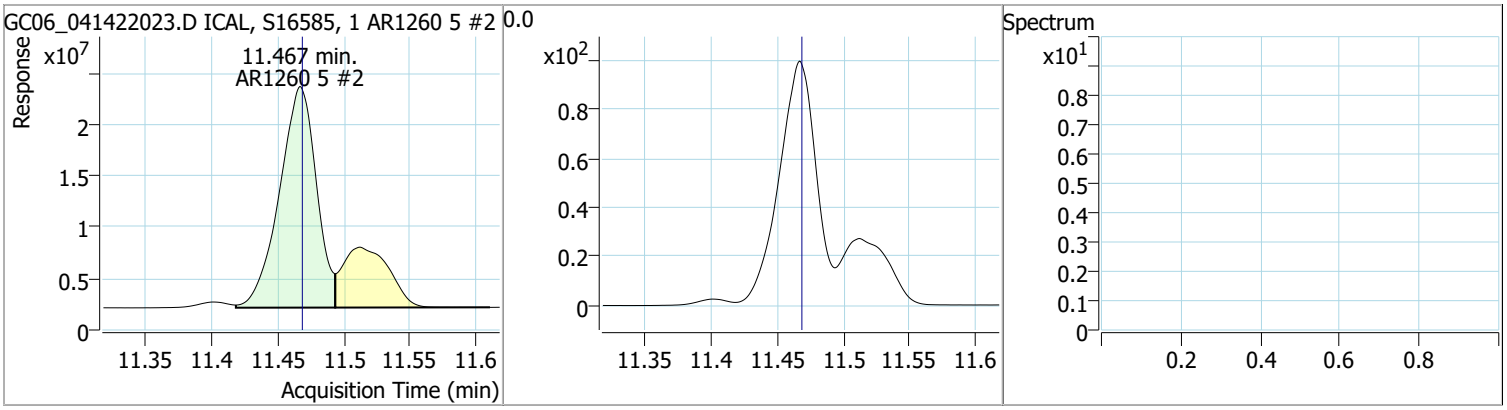
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	1795.9863	10.77	0.00	28812281			



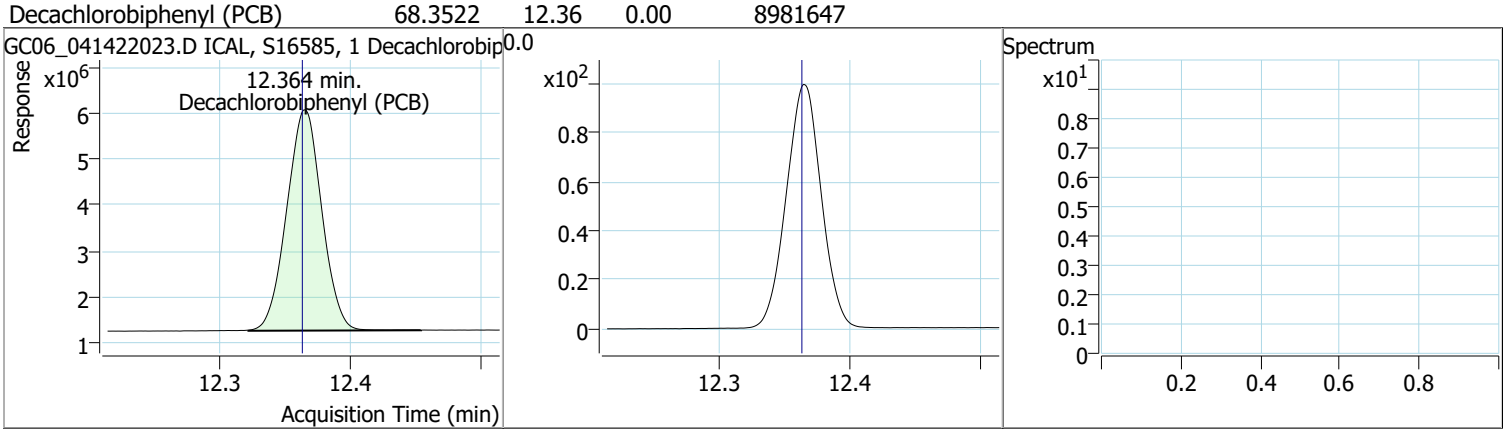
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	1853.6368	11.11	0.00	10625267			



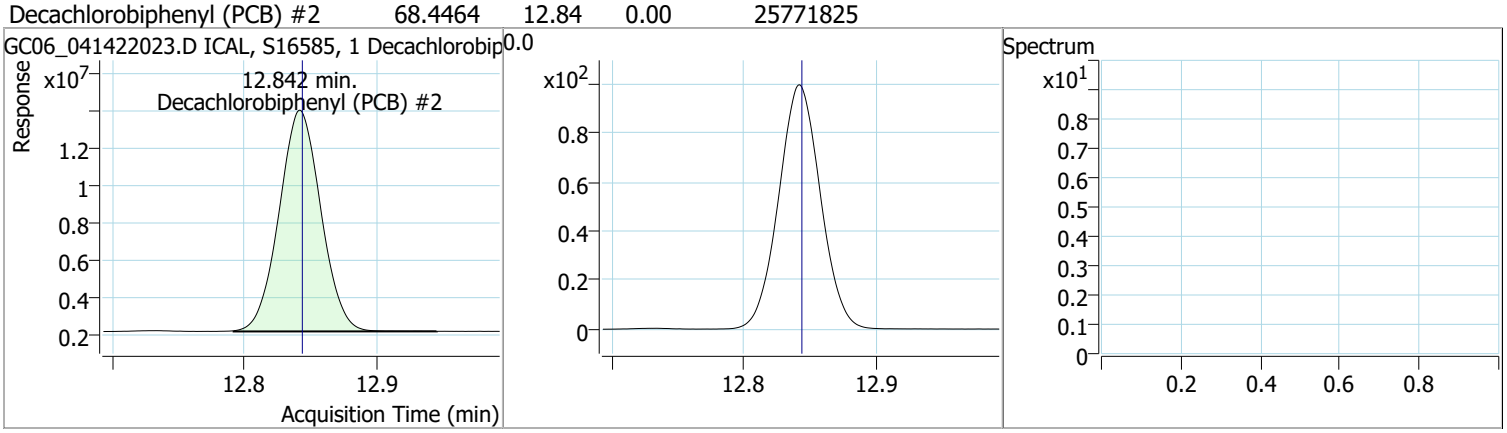
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	1775.7895	11.47	0.00	42001201			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	68.3522	12.36	0.00	8981647			

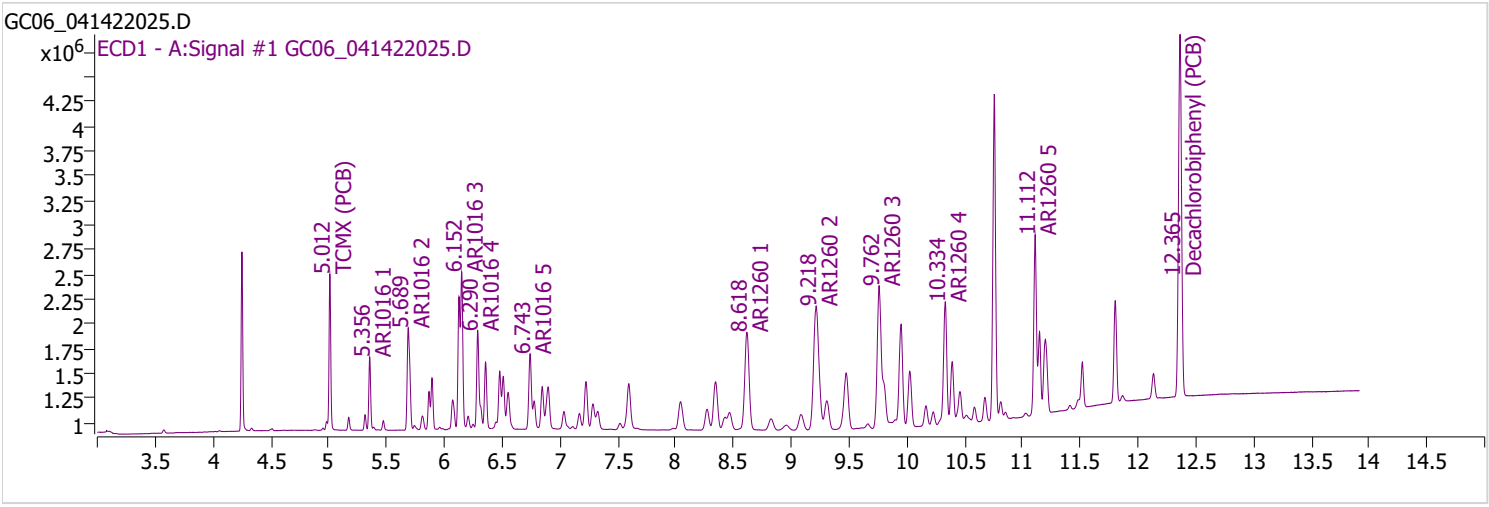


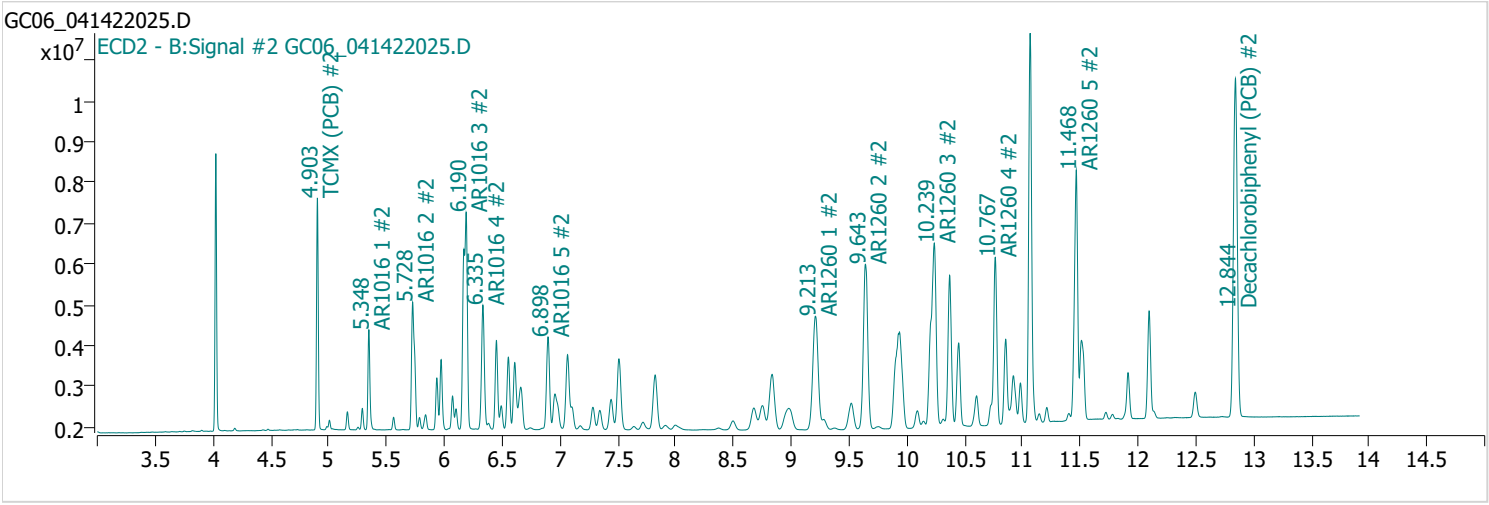
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	68.4464	12.84	0.00	25771825			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422025.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 9:37:00 PM
Sample Name	ICV, S16736	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 120	Multiplier	1.00
DA Method File	PCB_608_041422_GC06_1.m	Comment	
Batch Name	041422_PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM



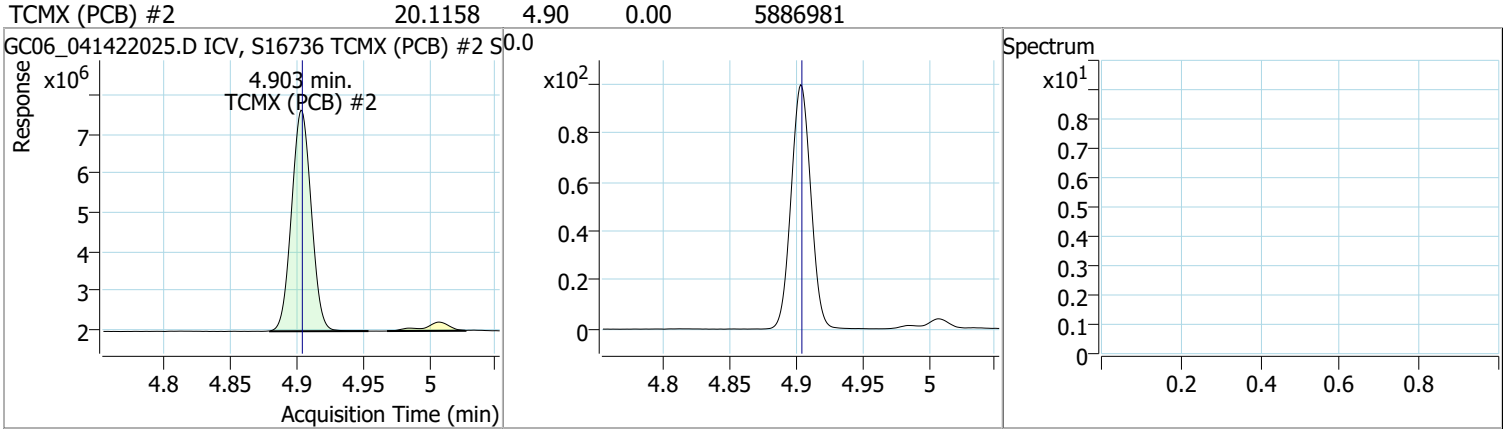


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene (PCB)	4.251	4.025	1762001	6389346	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX (PCB)	5.012	4.903	1651154	5886981	19.482	20.116	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	97.41%	100.58%	
S Decachlorobiphenyl (PCB)	12.365	12.844	6840009	19467064	51.055	50.492	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	255.28% *	252.46% *	
Target Compounds							
T AR1016 1	5.356	5.348	825235	2962090	478.801	495.049	ng/ml
T AR1016 2	5.689	5.728	1702995	5890904	453.793	474.419	ng/ml
T AR1016 3	6.152	6.190	2119180	7921568 m	479.813	483.740	ng/ml
T AR1016 4	6.290	6.335	1550648	5231236	469.158	470.866	ng/ml
T AR1016 5	6.743	6.898	1197333	4188169	468.312	482.178	ng/ml
T AR1260 1	8.618	9.213	2604917	9134347 m	469.771	472.354	ng/ml
T AR1260 2	9.218	9.643	4060351	10829785	475.411	484.676	ng/ml
T AR1260 3	9.762	10.239	4038416 m	13873694	454.846	457.011	ng/ml
T AR1260 4	10.334	10.767	2298126	8484126 m	520.452	516.476	ng/ml

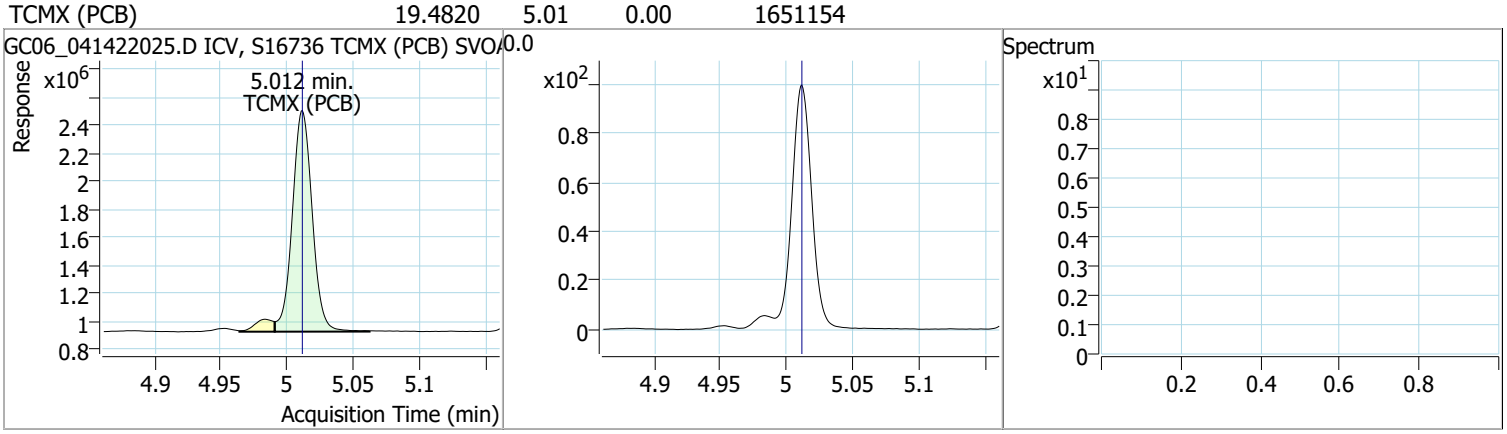
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T AR1260 5	11.112	11.468	2918389	12120070	499.362	500.441	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

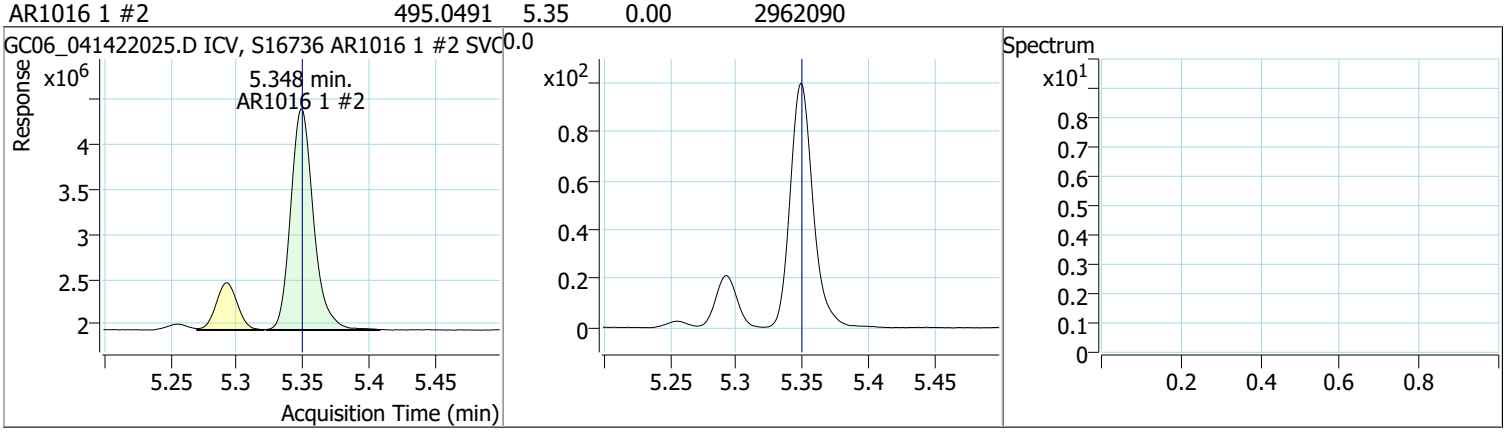
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB) #2	20.1158	4.90	0.00	5886981			



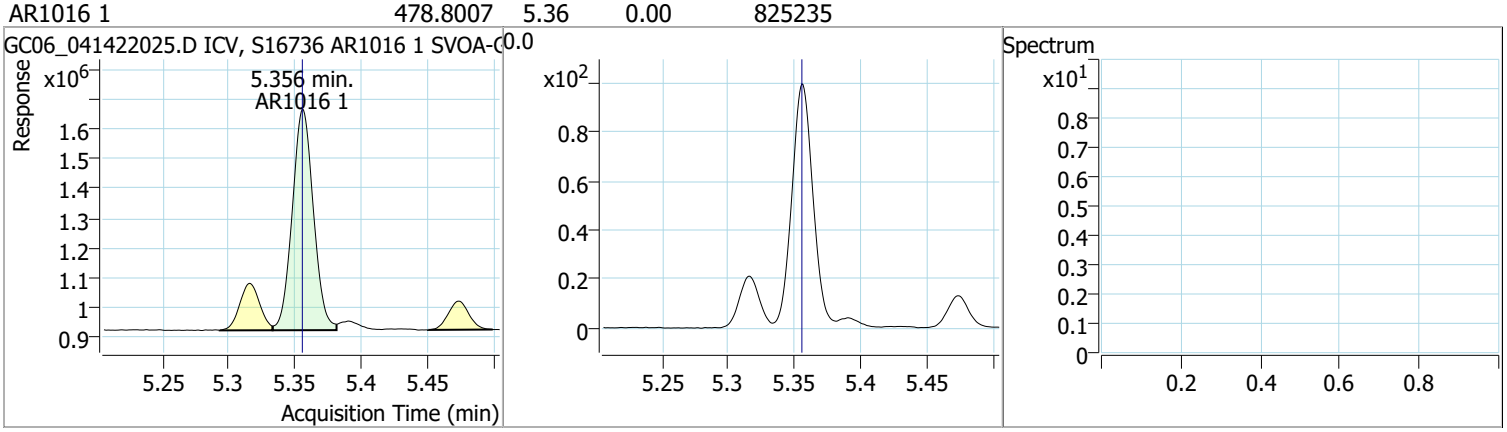
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX (PCB)	19.4820	5.01	0.00	1651154			



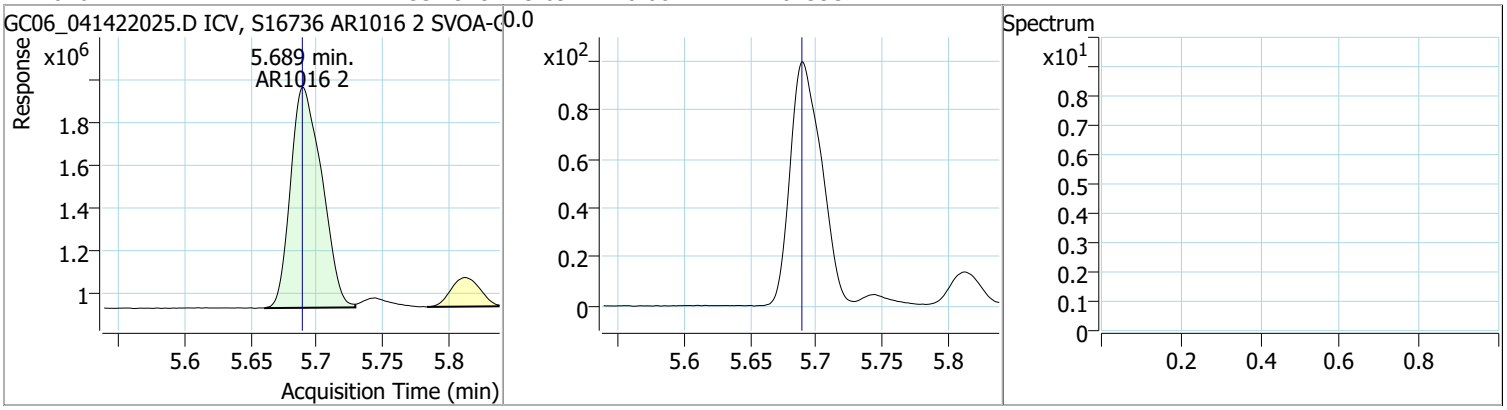
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1 #2	495.0491	5.35	0.00	2962090			



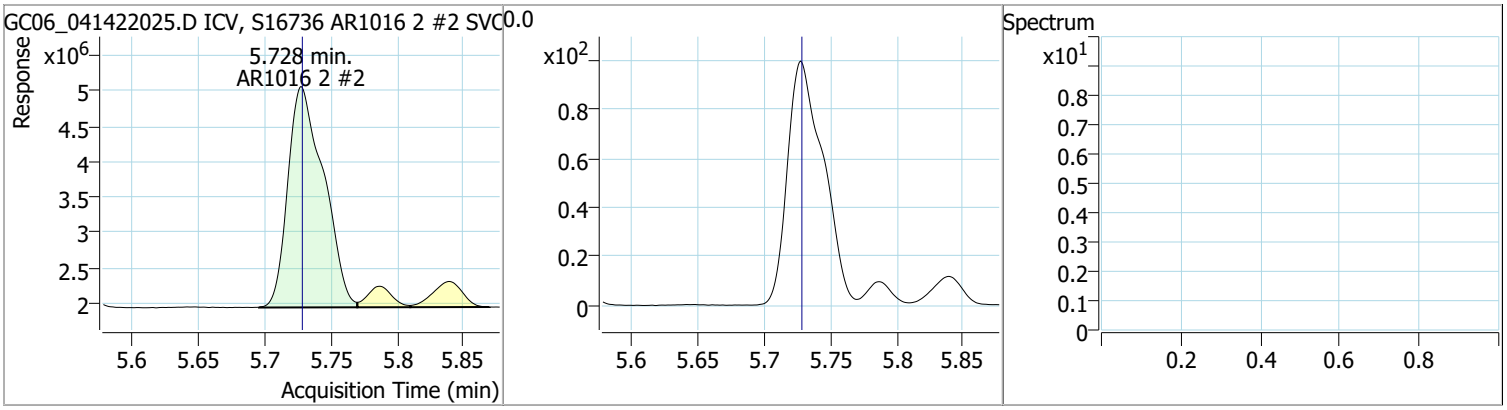
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 1	478.8007	5.36	0.00	825235			



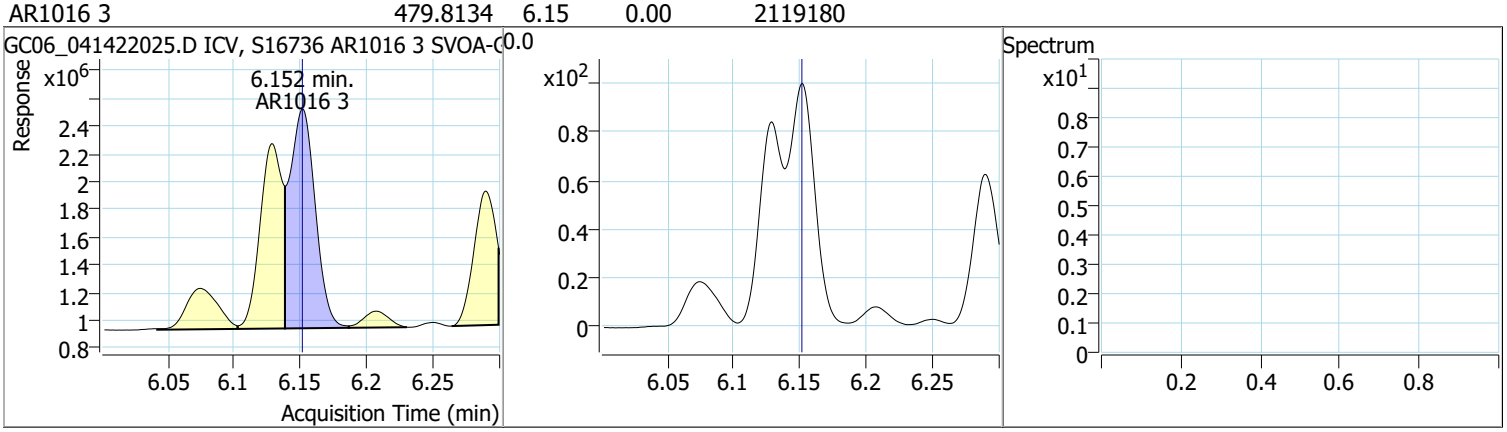
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
AR1016 2	453.7929	5.69	0.00	1702995		



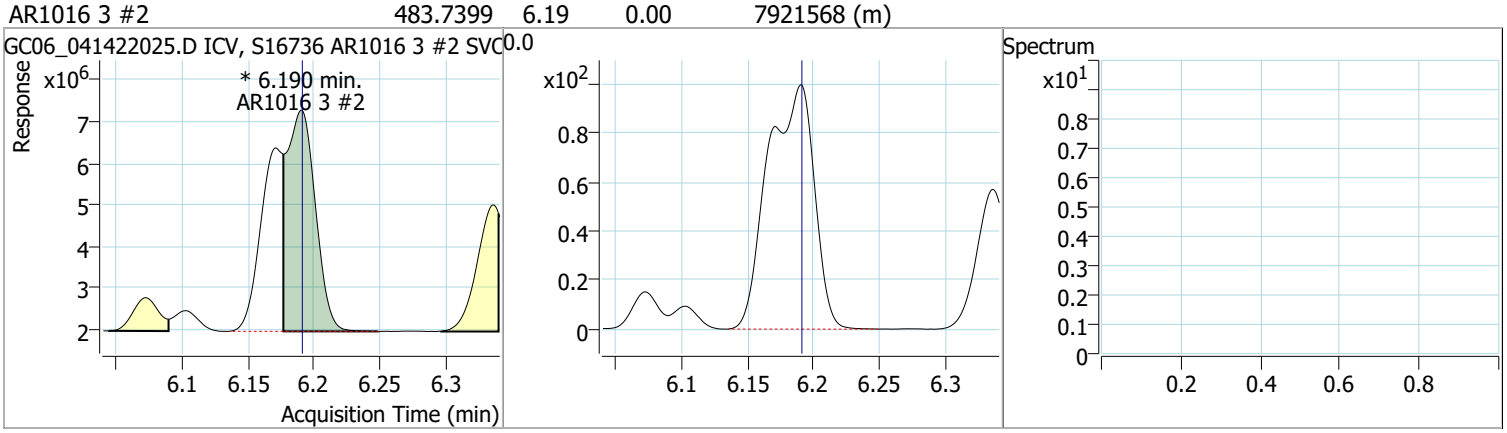
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
AR1016 2 #2	474.4186	5.73	0.00	5890904		



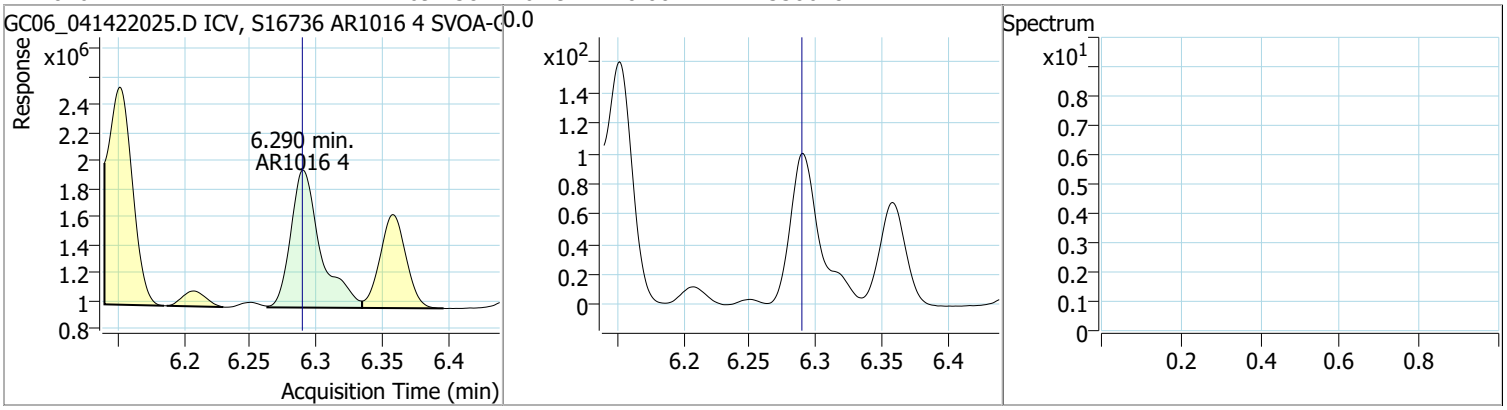
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
AR1016 3	479.8134	6.15	0.00	2119180		



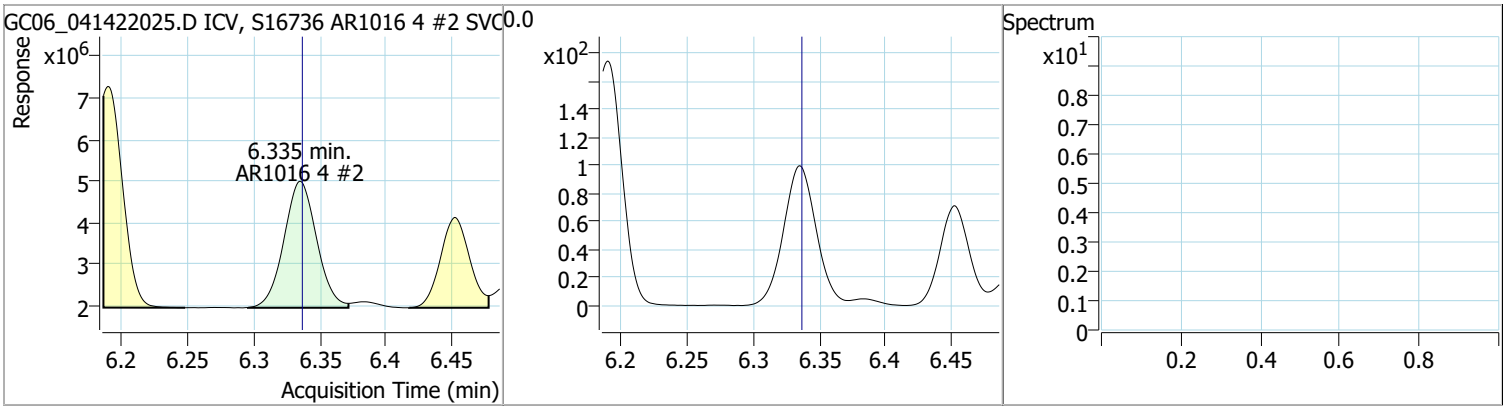
Compound	Conc.		Dev(Min)	QRatio	Lower	Uppper
AR1016 3 #2	483.7399	6.19	0.00	7921568 (m)		



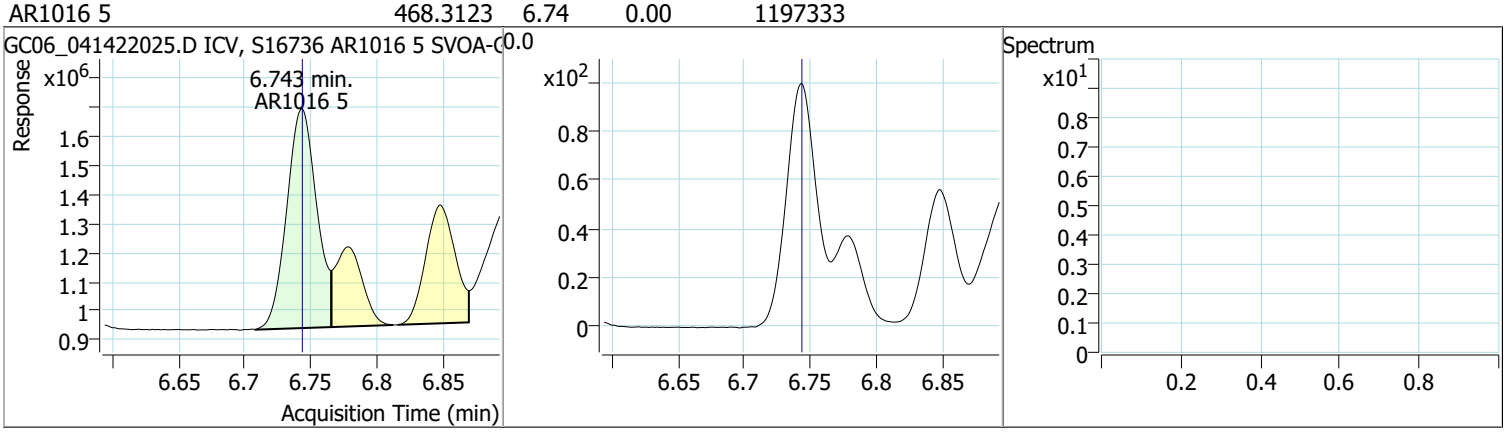
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4	469.1584	6.29	0.00	1550648			



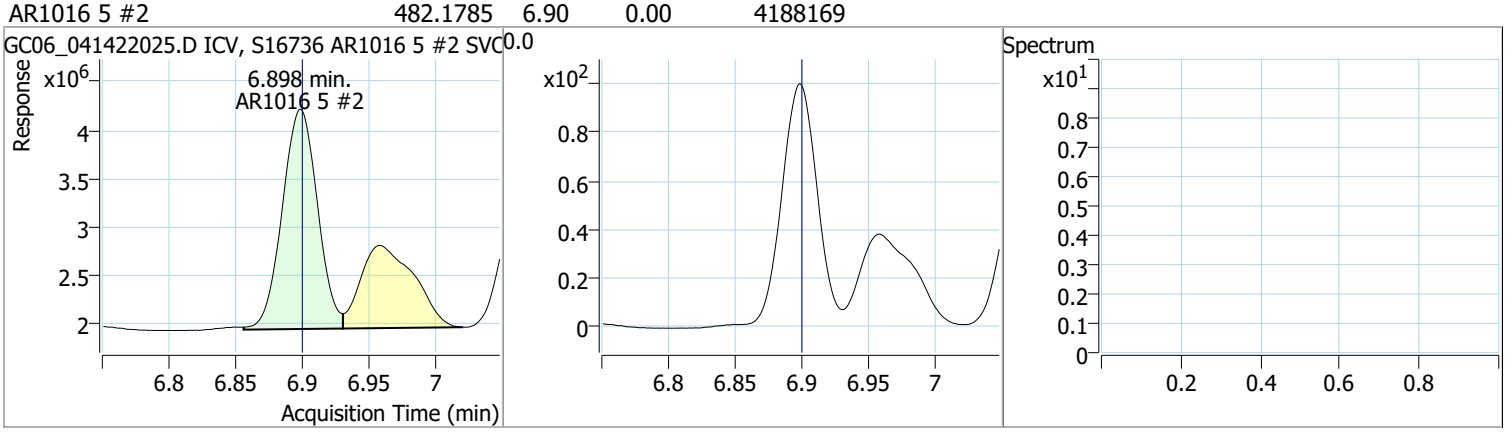
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 4 #2	470.8659	6.34	0.00	5231236			



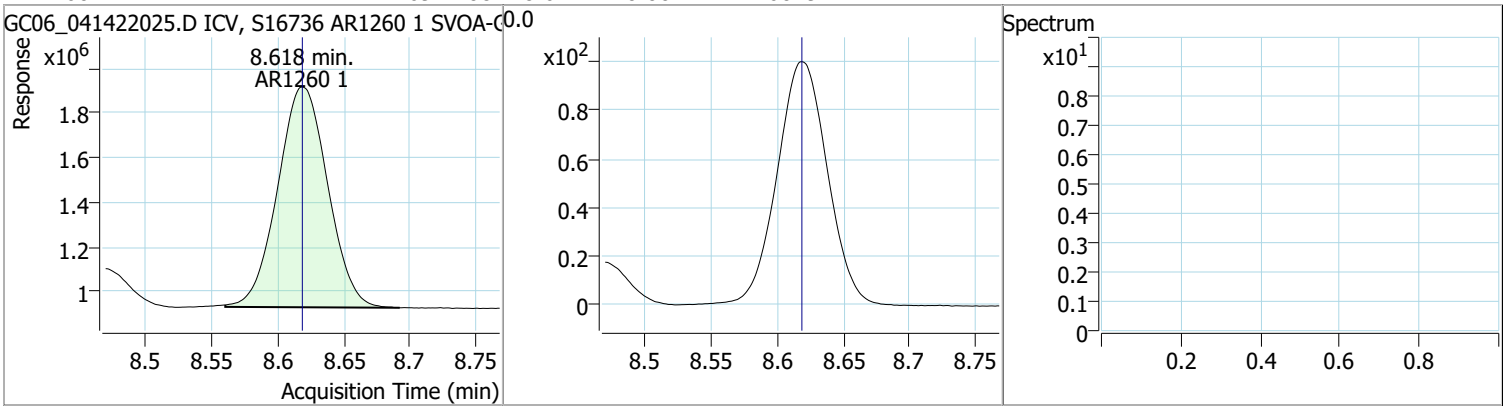
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5	468.3123	6.74	0.00	1197333			



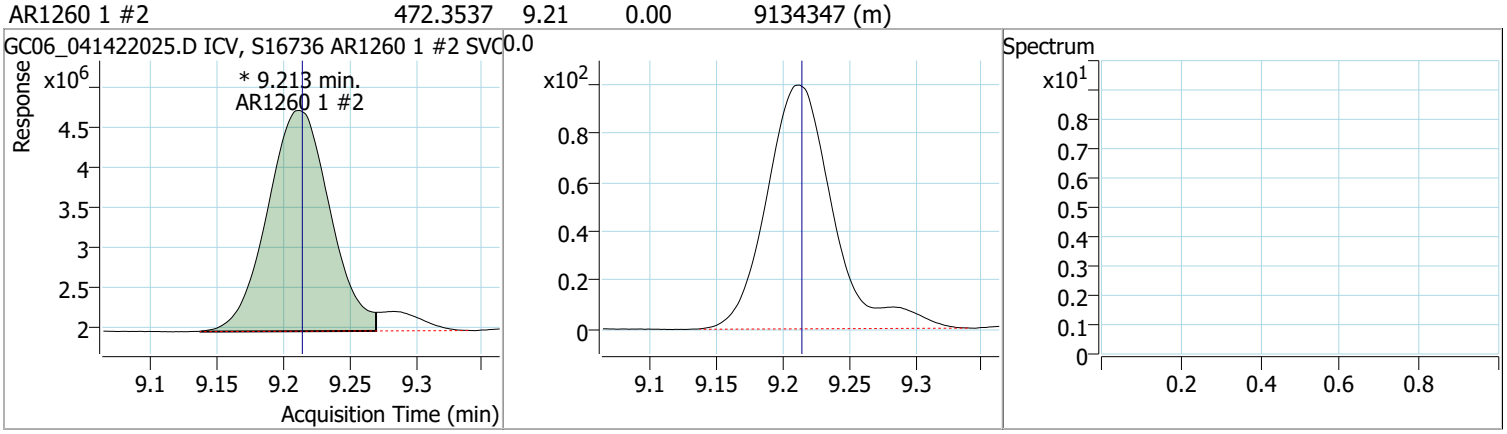
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1016 5 #2	482.1785	6.90	0.00	4188169			



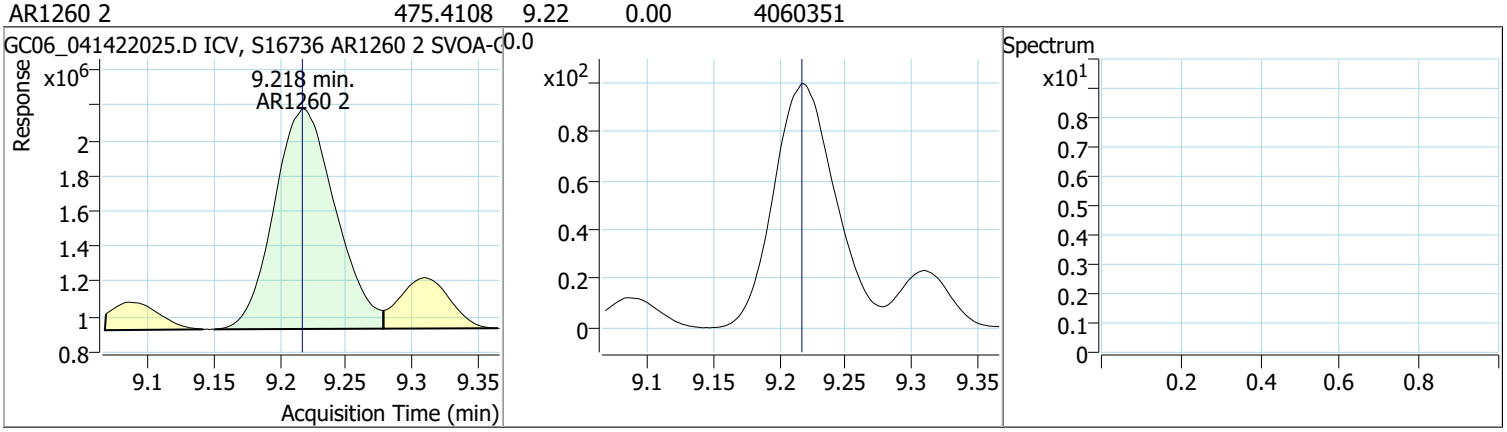
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1	469.7708	8.62	0.00	2604917			



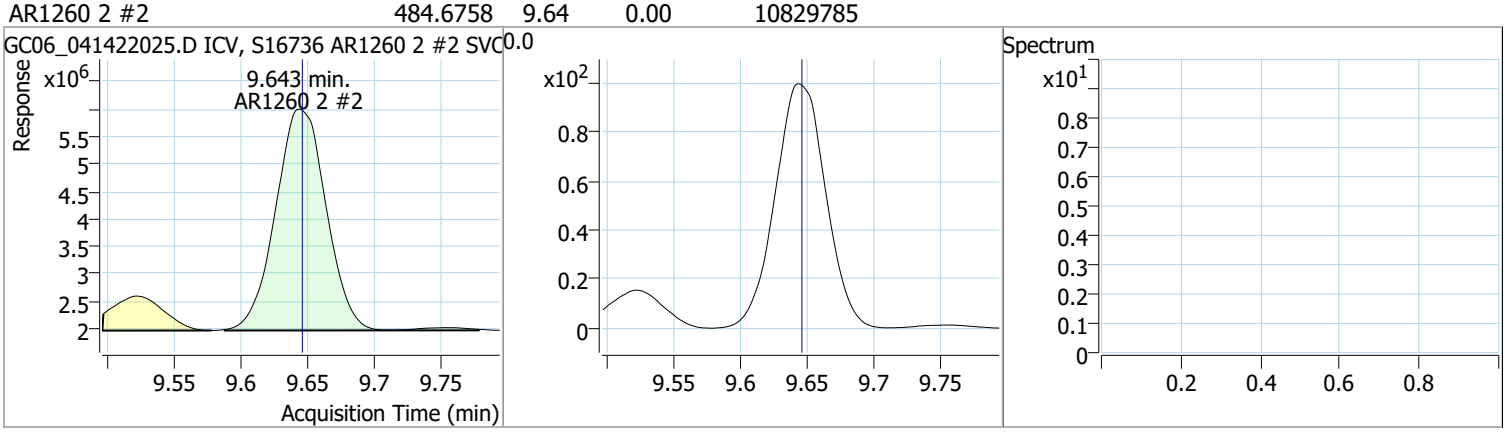
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 1 #2	472.3537	9.21	0.00	9134347 (m)			



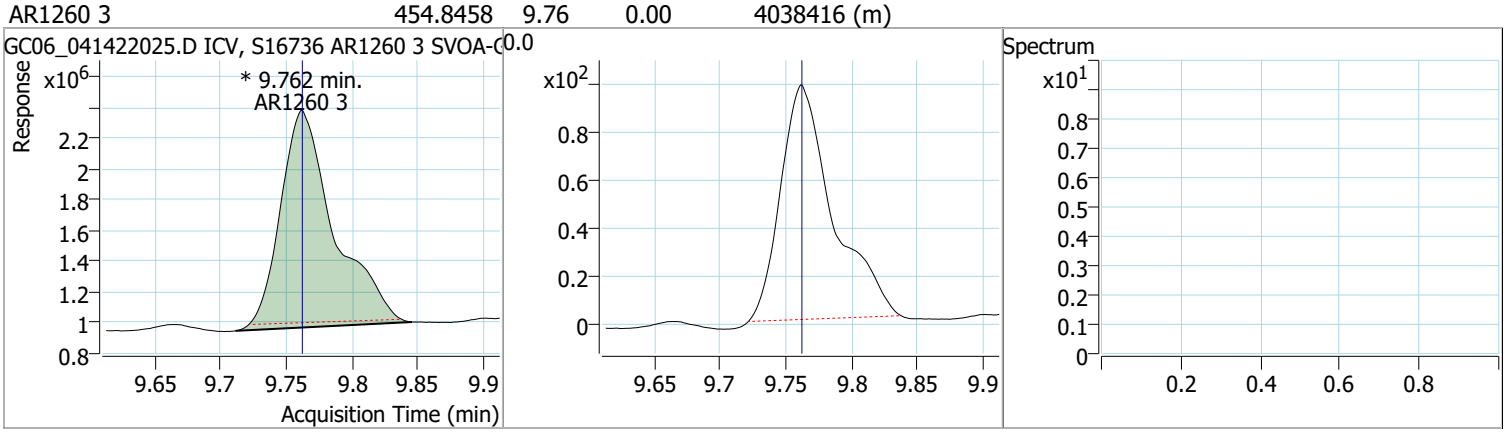
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2	475.4108	9.22	0.00	4060351			



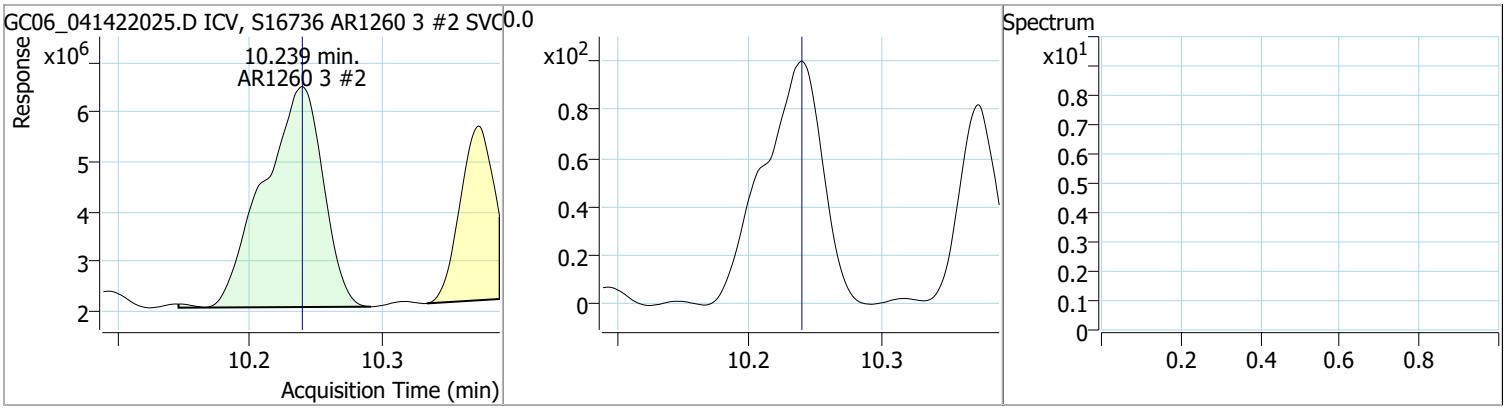
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 2 #2	484.6758	9.64	0.00	10829785			



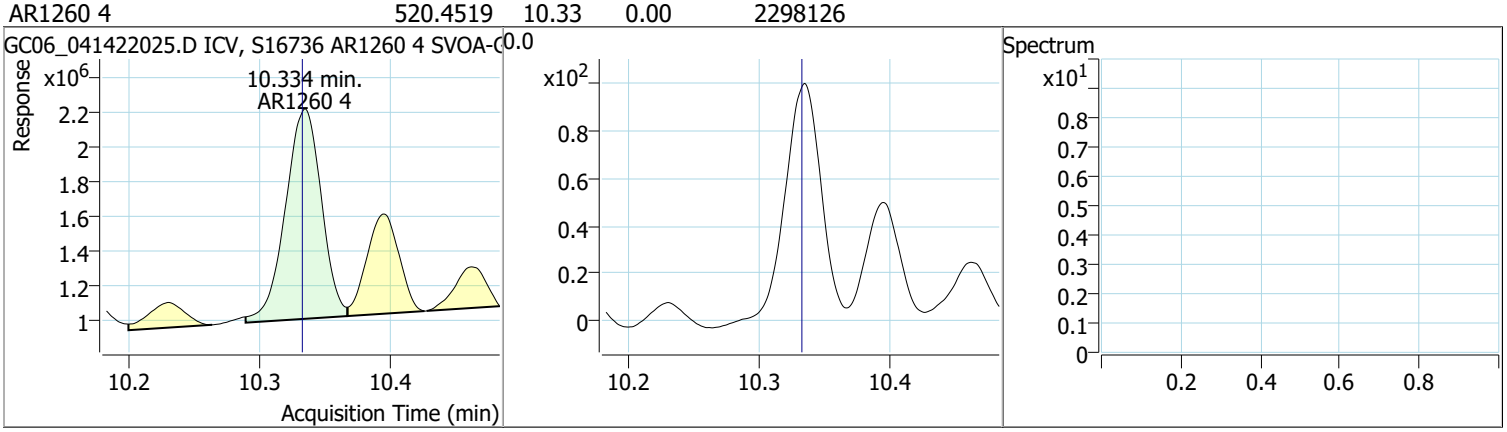
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3	454.8458	9.76	0.00	4038416 (m)			



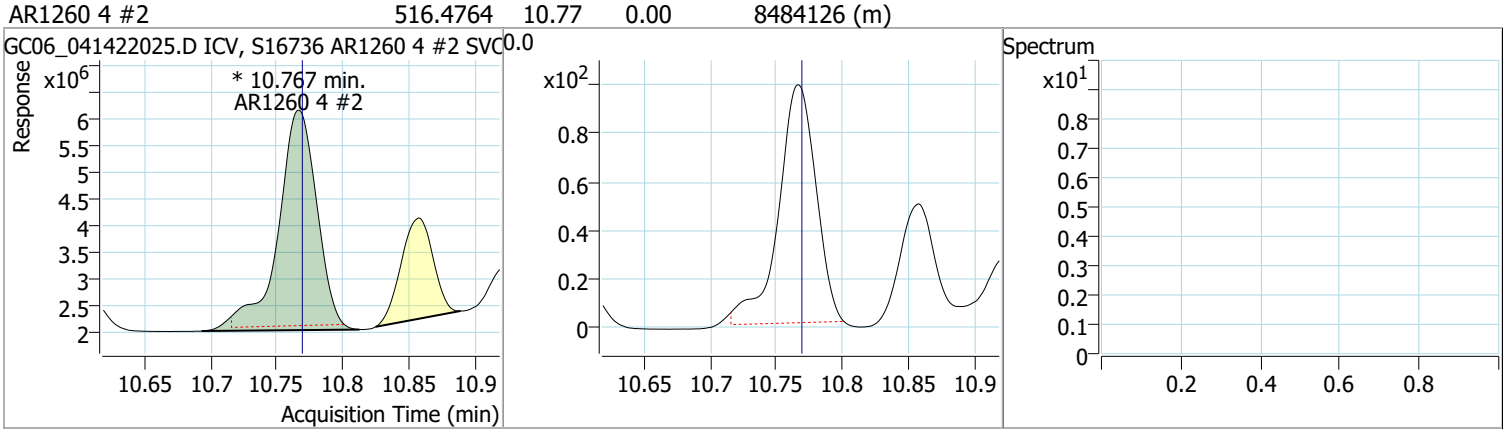
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 3 #2	457.0112	10.24	0.00	13873694			



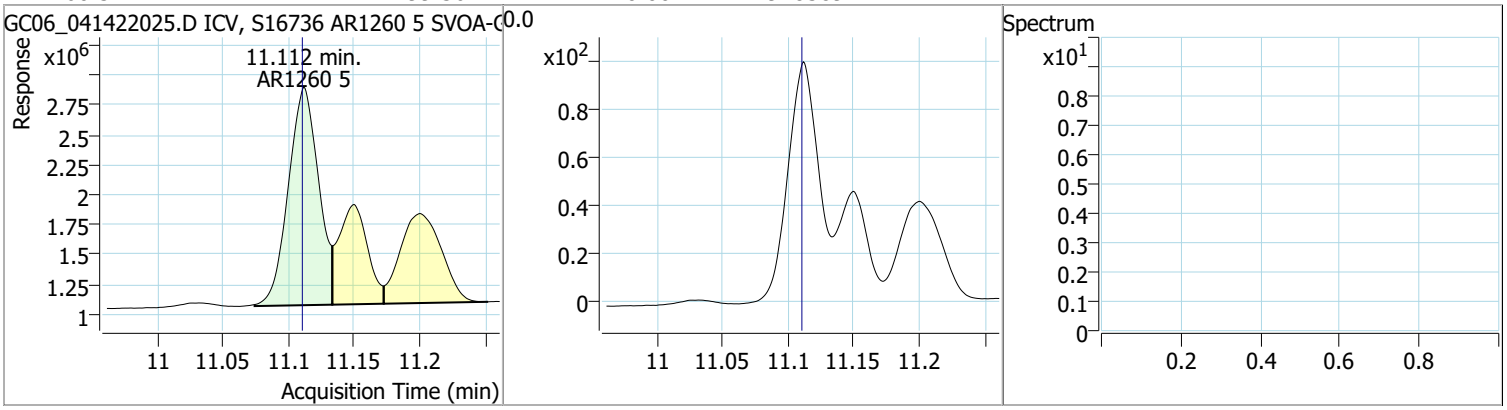
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4	520.4519	10.33	0.00	2298126			



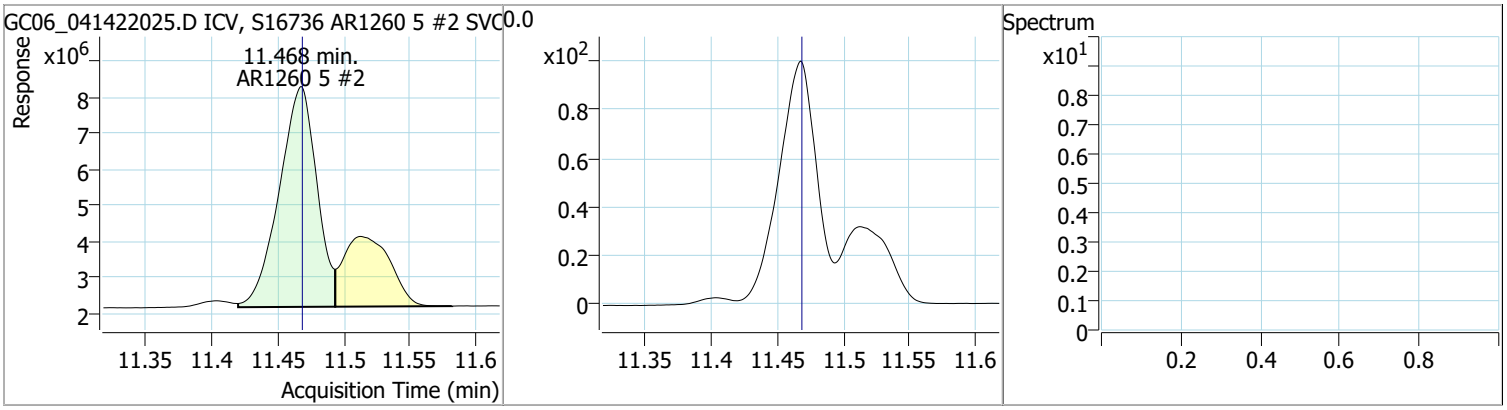
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 4 #2	516.4764	10.77	0.00	8484126 (m)			



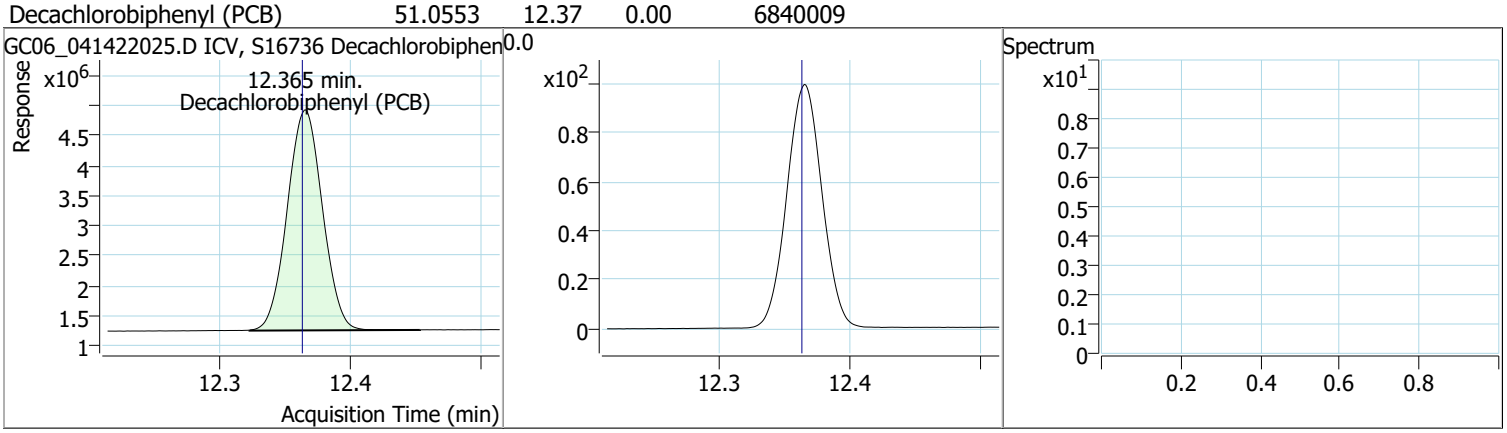
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5	499.3624	11.11	0.00	2918389			



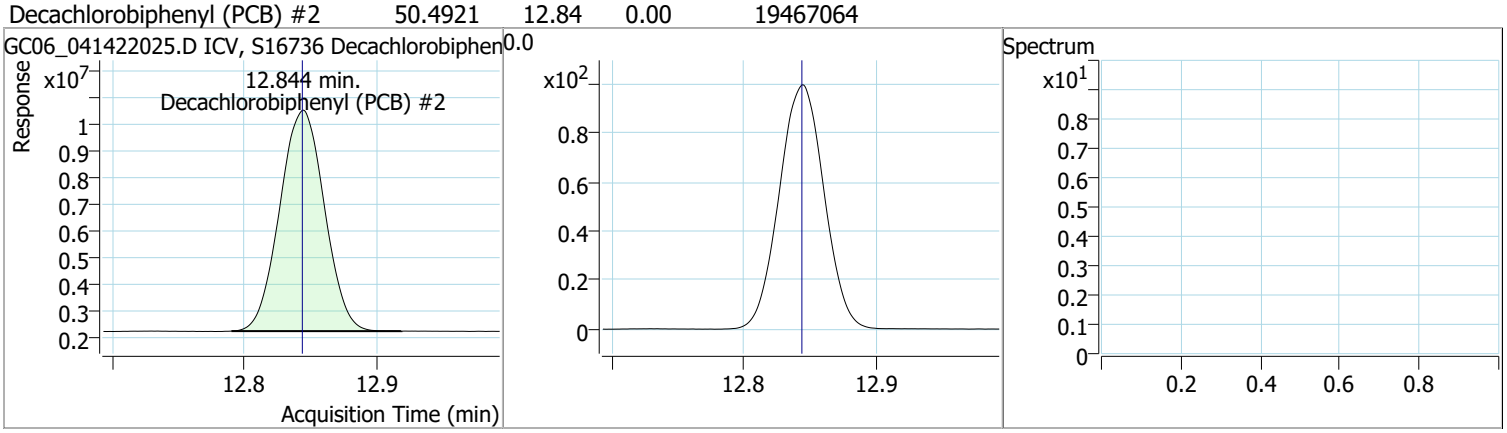
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
AR1260 5 #2	500.4410	11.47	0.00	12120070			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB)	51.0553	12.37	0.00	6840009			

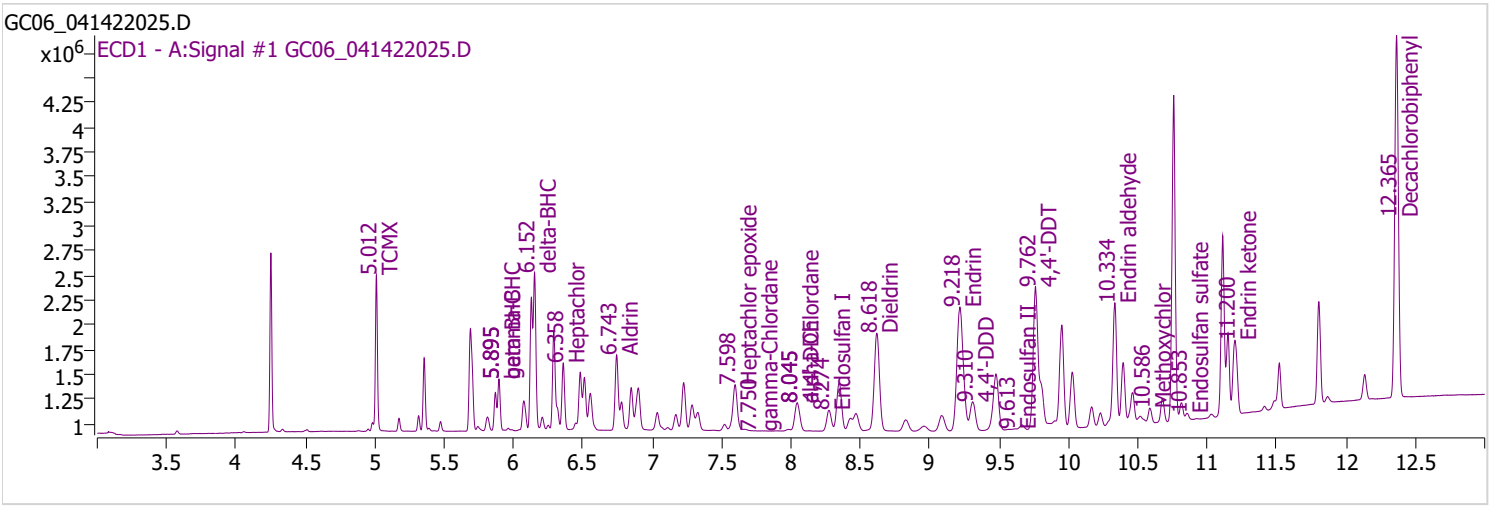


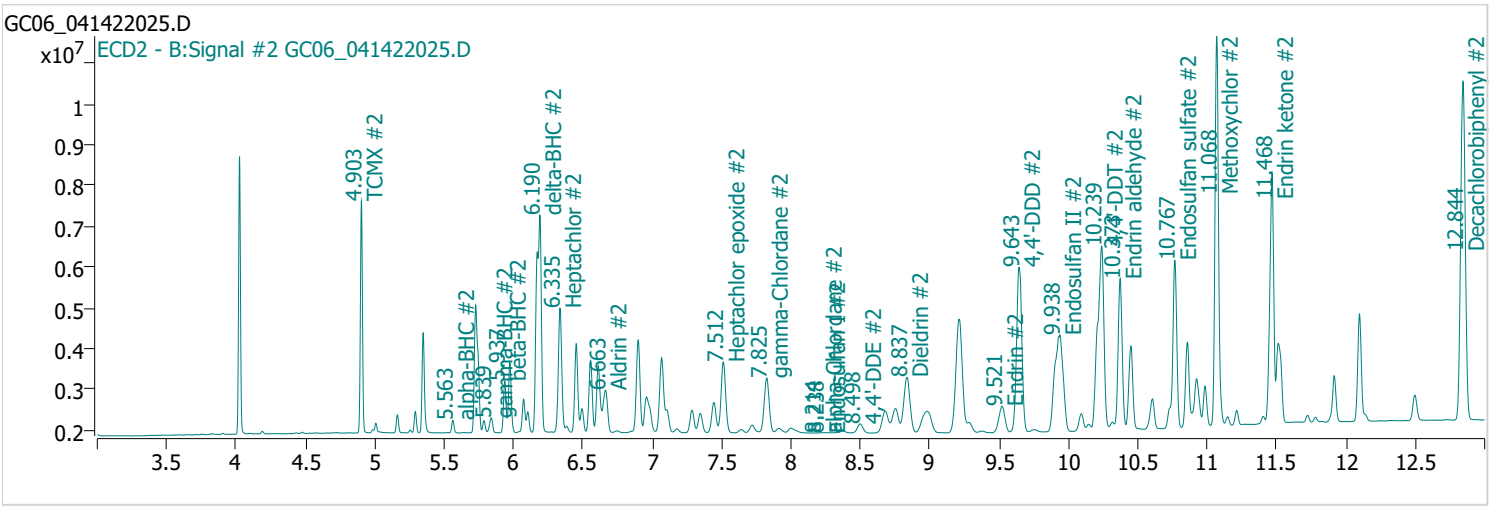
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl (PCB) #2	50.4921	12.84	0.00	19467064			



Dual GC Quant Results Report (Not Reviewed)

Data File	GC06_041422025.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date	4/14/2022 9:37:00 PM
Sample Name	ICV, S16736	Instrument	SVOA-GC06
Vial Position	; Dual Vial Position = 120	Multiplier	1.00
DA Method File	PEST_608_122221_GC06_1.m	Comment	
Batch Name	2022 Apr 14 1429 Acq_Pesticide_122221_1.M.batch.bin	Last Calib Update	4/14/2022 8:58:27 PM



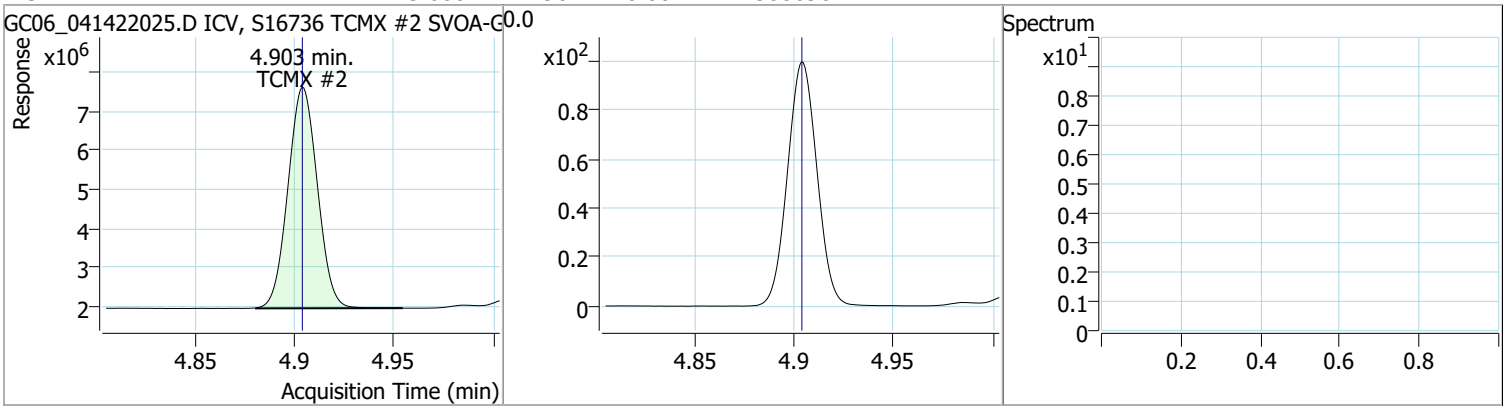


Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
Internal Standards							
I 1-bromo-2-nitrobenzene	4.251	4.025	1753445	6387792	20.000	20.000	ng/ml
System Monitoring Compounds							
S TCMX	5.012	4.903	1649222	5886981	22.771	23.609	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	113.85%	118.04%	
S Decachlorobiphenyl	12.365	12.844	6821768	19316489	62.583	59.129	ng/ml
Spiked Amount: 20.000	Range: 50.0% - 150.0%			Recovery:	312.91% *	295.65% *	
Target Compounds							
T alpha-BHC	----	5.563 f	0	345584	N.D.	1.727 #	ng/ml
T gamma-BHC	5.895	5.839	637656	523516	10.069	2.568 #	ng/ml
T beta-BHC	5.895	5.937	633666	1667899	18.761	13.246 #	ng/ml
T delta-BHC	6.152	6.190	2083861	12938661	22.734	28.239	ng/ml
T Heptachlor	6.358	6.335	826612	5232272	12.250	17.510 #	ng/ml
T Aldrin	6.743	6.663 f	1196771	2297007	16.235	10.383 #	ng/ml
T Heptachlor epoxide	7.598	7.512	1002864	3492430	14.277	14.665	ng/ml
T gamma-Chlordane	7.750	7.825	403	3223540	0.008	12.445 #	ng/ml
T alpha-Chlordane	8.045	8.214 f	447428	30146	8.143	0.165 #	ng/ml

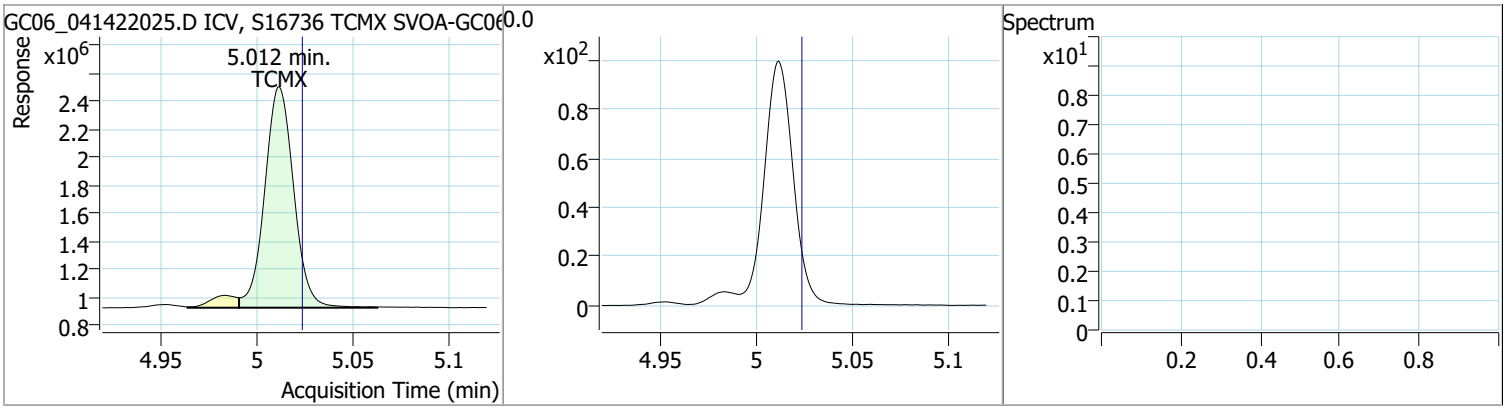
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Units
T Endosulfan I	8.274	8.238	455772	17753	8.667	0.108 #	ng/ml
T 4,4'-DDE	8.045	8.498 f	689271	572005	12.913	3.514 #	ng/ml
T Dieldrin	8.618	8.837	2545513	3715515	34.073	18.376 #	ng/ml
T Endrin	9.218	9.521	1971651	1905799	24.244	10.830 #	ng/ml
T 4,4'-DDD	9.310	9.643 f	471768	9806439	12.167	50.492 #	ng/ml
T Endosulfan II	9.613	9.938 f	16477	7866789	0.343	30.259 #	ng/ml
T 4,4'-DDT	9.762	10.239	3042557	13813267	46.130	45.912	ng/ml
T Endrin aldehyde	10.334	10.373	2145465	7124371	41.174	38.621	ng/ml
T Endosulfan sulfate	10.853	10.767	51876	8477372	1.214	39.209 #	ng/ml
T Methoxychlor	10.586	11.068 f	222120	16981204	8.033	142.595 #	ng/ml
T Endrin ketone	11.200	11.468 f	1304087	11080565	21.220	40.351 #	ng/ml

(f) = RT Delta > 1/2 RT Delta Window; (#) = Conc Amounts differ by > 25%; (*) = Surrogate Percent Recovery Out of Range; (m) = Manual Integration; (d) = Zeroed Peak

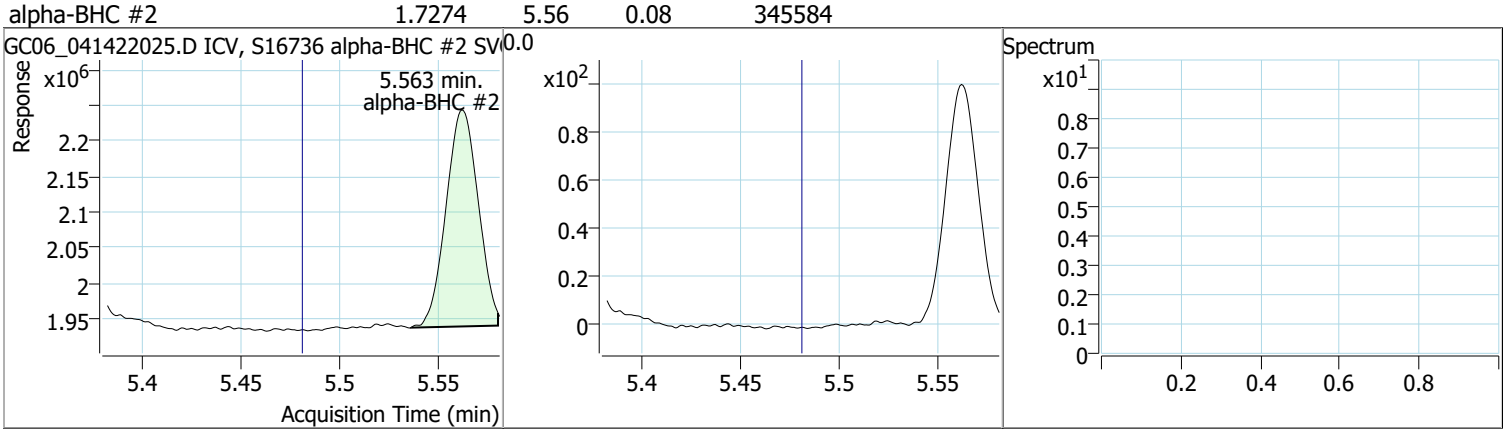
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX #2	23.6087	4.90	0.00	5886981			



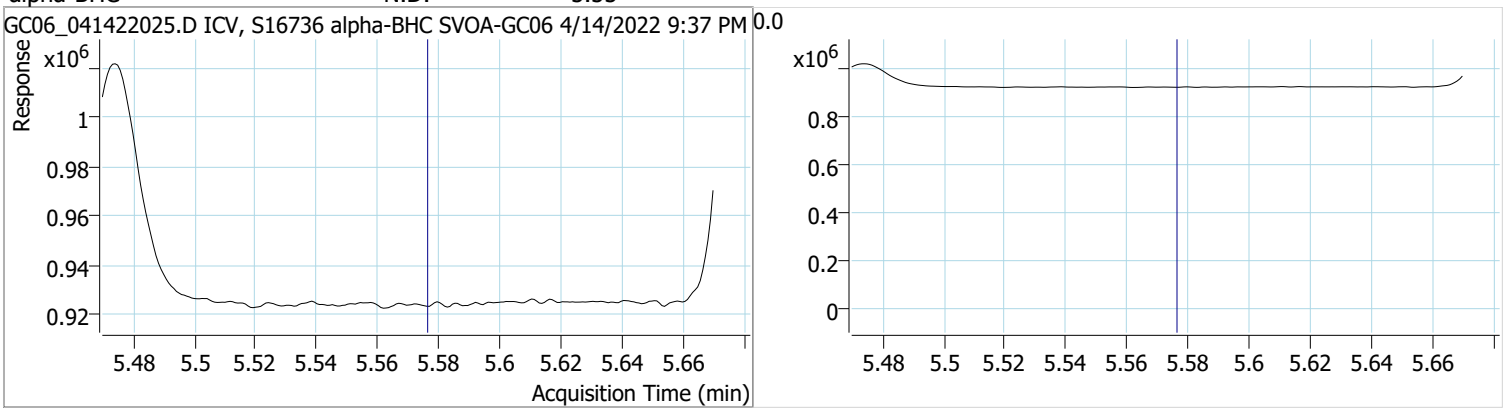
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
TCMX	22.7706	5.01	0.01	1649222			



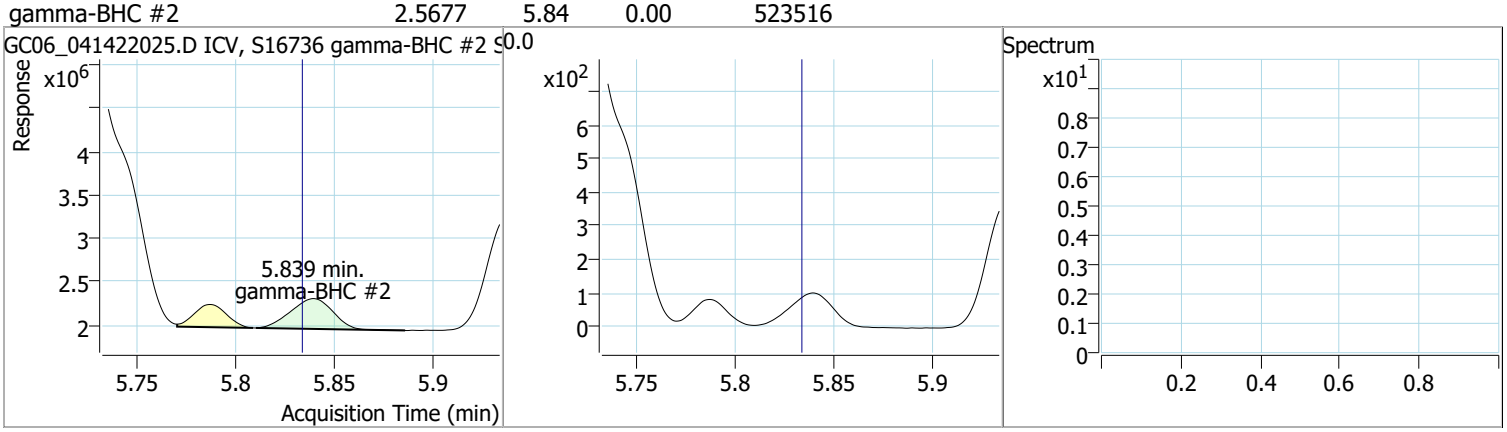
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-BHC #2	1.7274	5.56	0.08	345584			



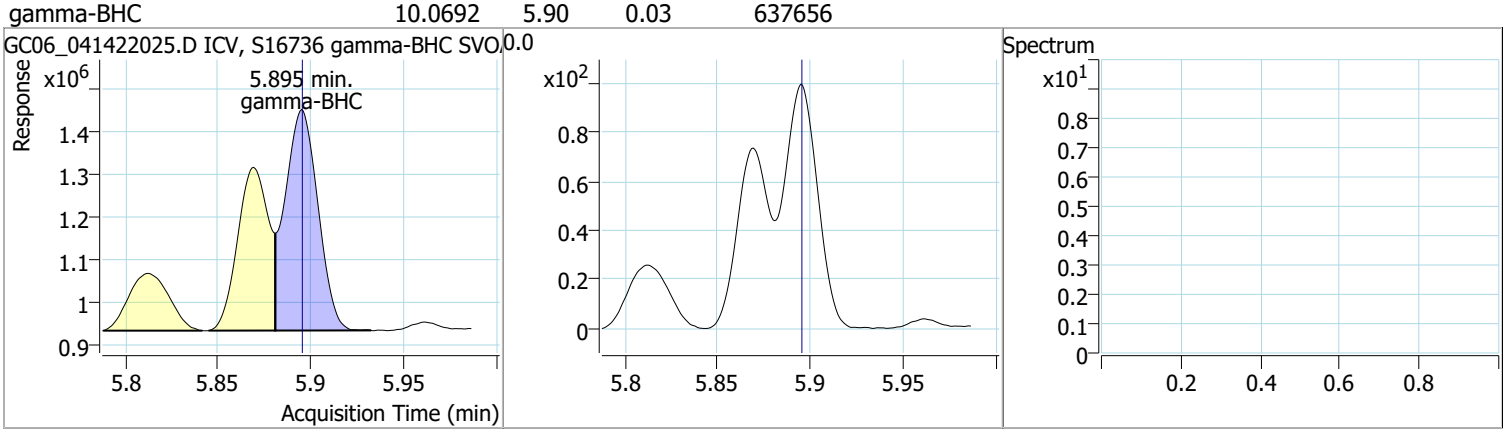
Compound	Conc.		Exp Ratio
alpha-BHC	N.D.	5.55	



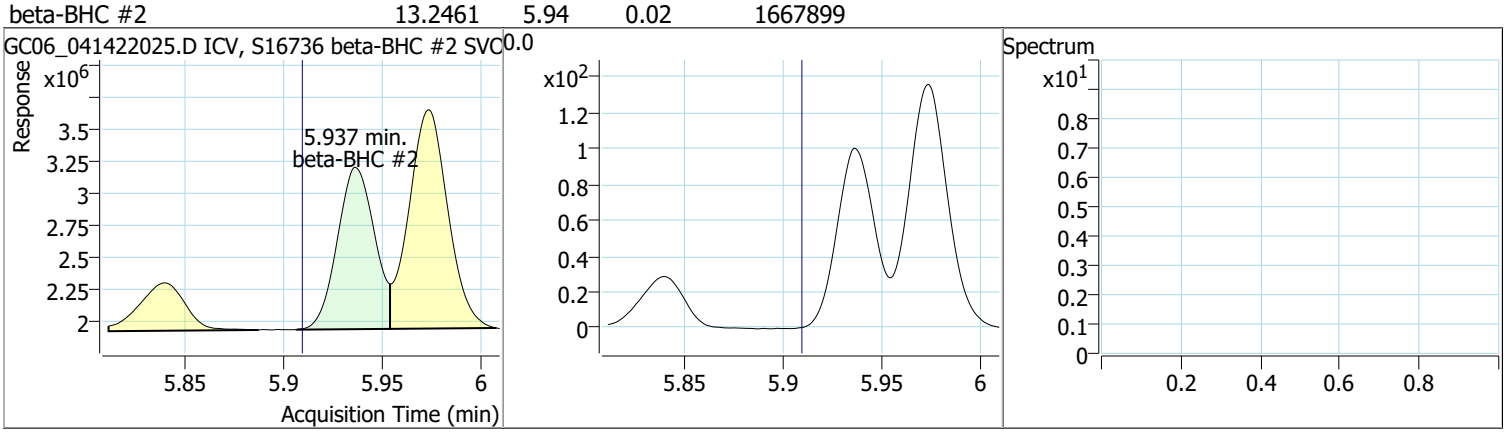
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC #2	2.5677	5.84	0.00	523516			



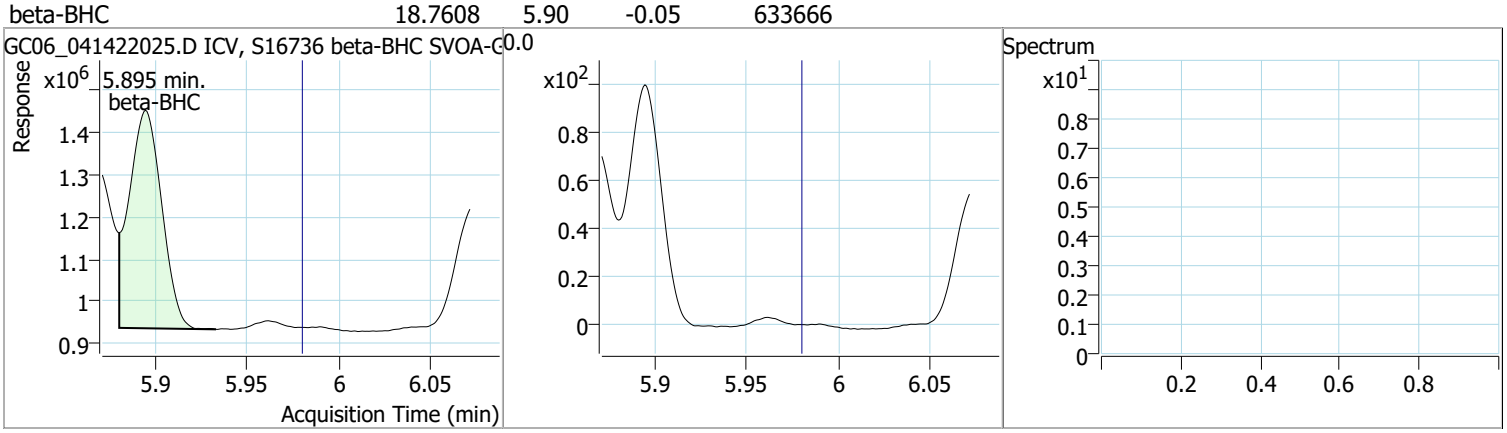
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-BHC	10.0692	5.90	0.03	637656			



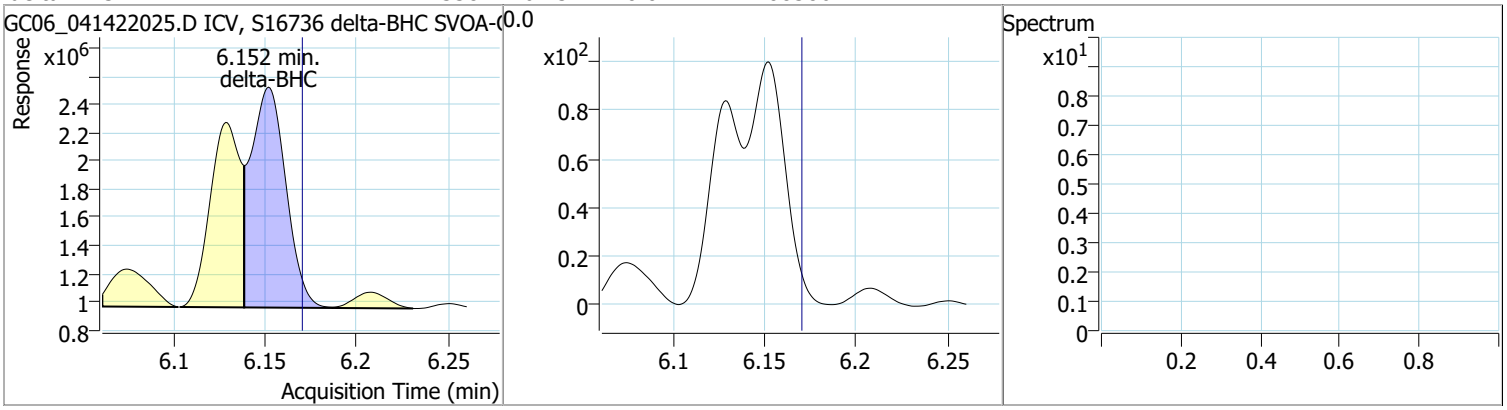
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC #2	13.2461	5.94	0.02	1667899			



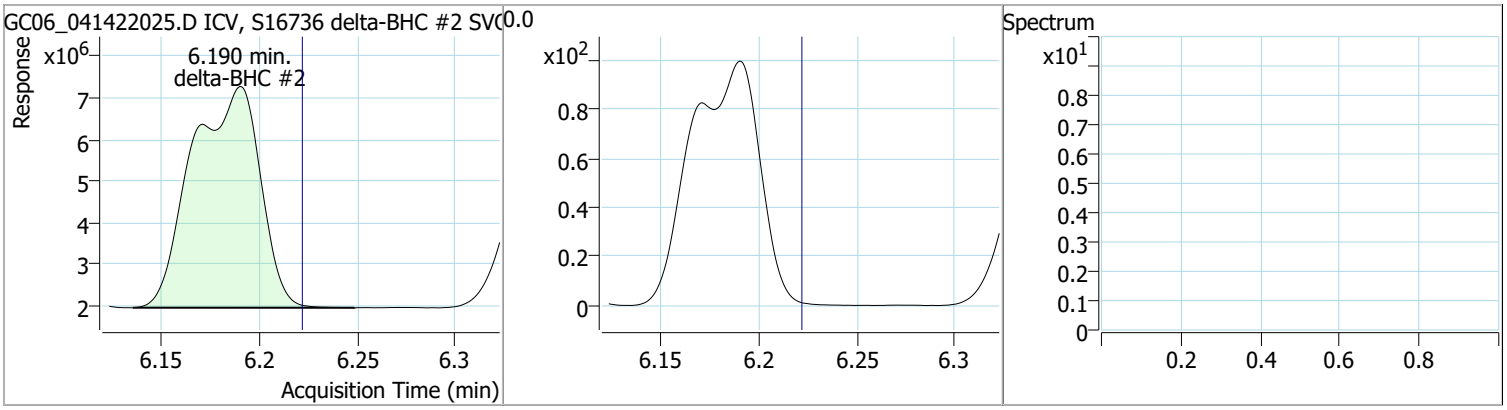
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
beta-BHC	18.7608	5.90	-0.05	633666			



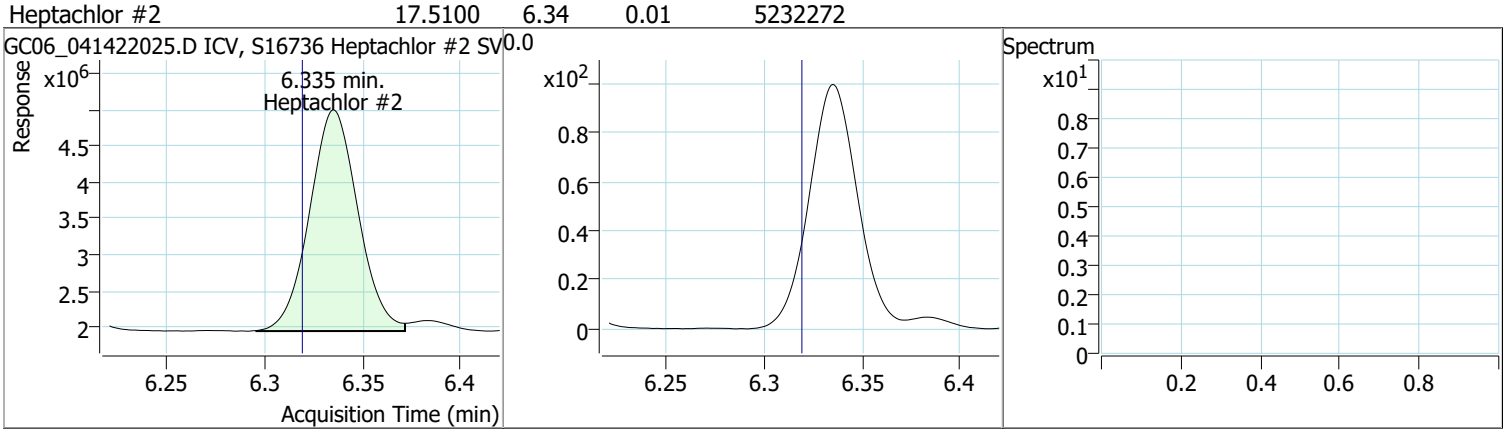
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC	22.7338	6.15	0.01	2083861			



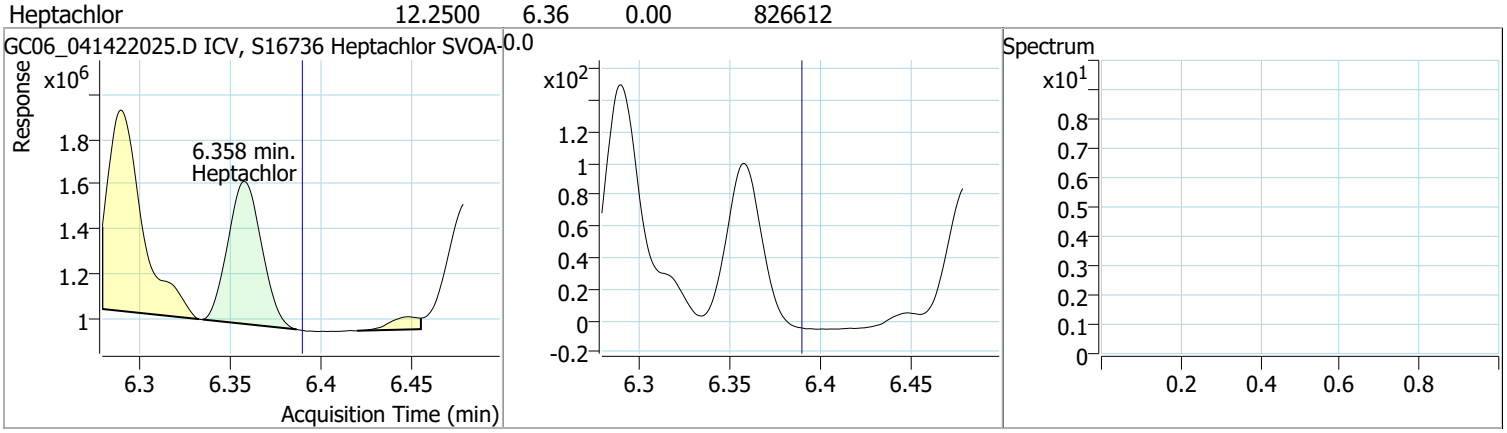
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
delta-BHC #2	28.2394	6.19	-0.03	12938661			



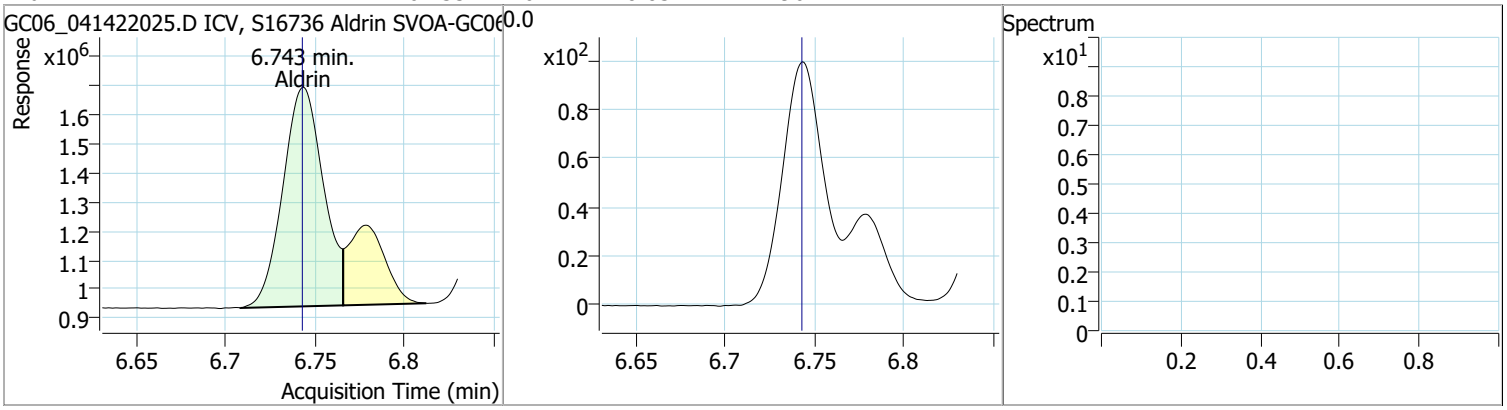
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor #2	17.5100	6.34	0.01	5232272			



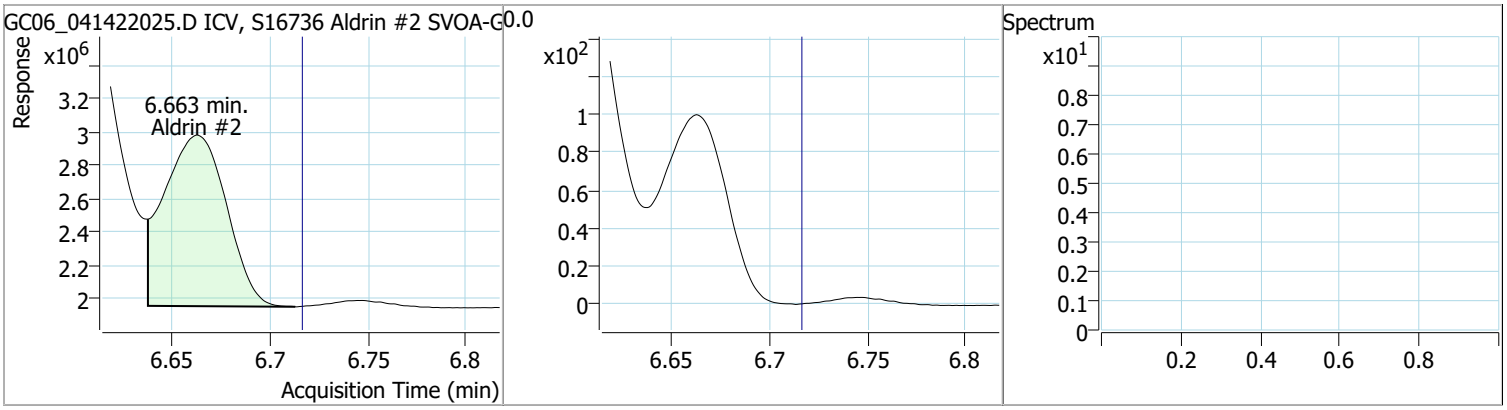
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor	12.2500	6.36	0.00	826612			



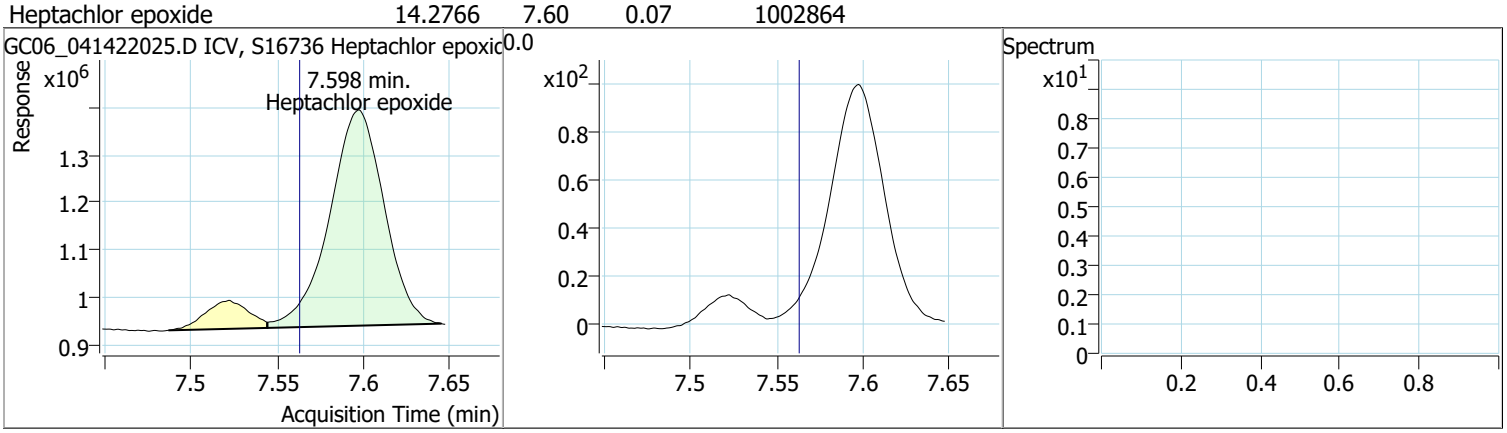
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin	16.2351	6.74	0.03	1196771			



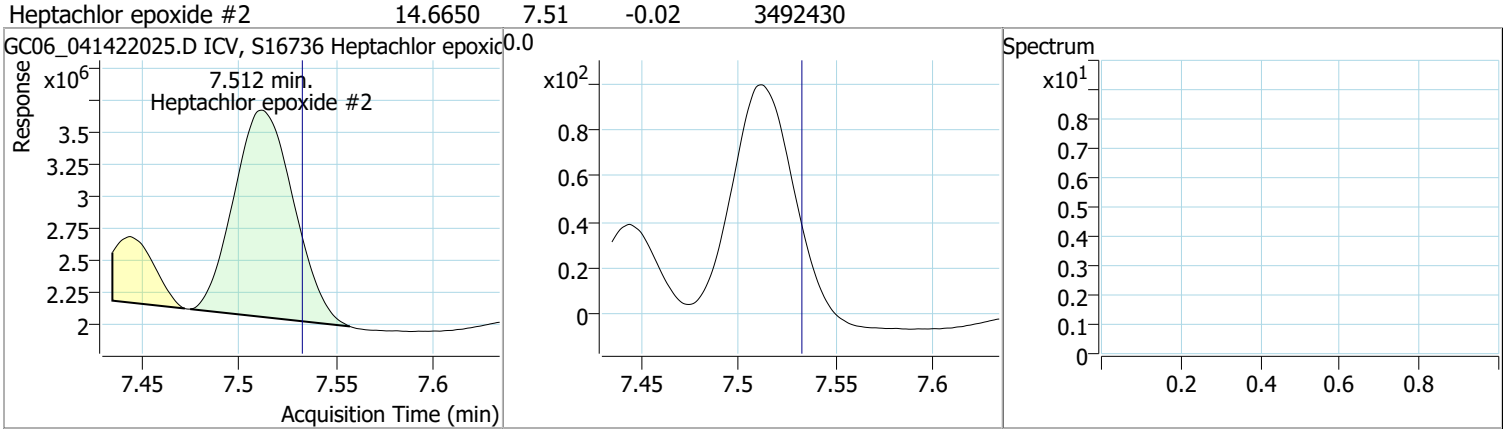
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Aldrin #2	10.3830	6.66	-0.06	2297007			



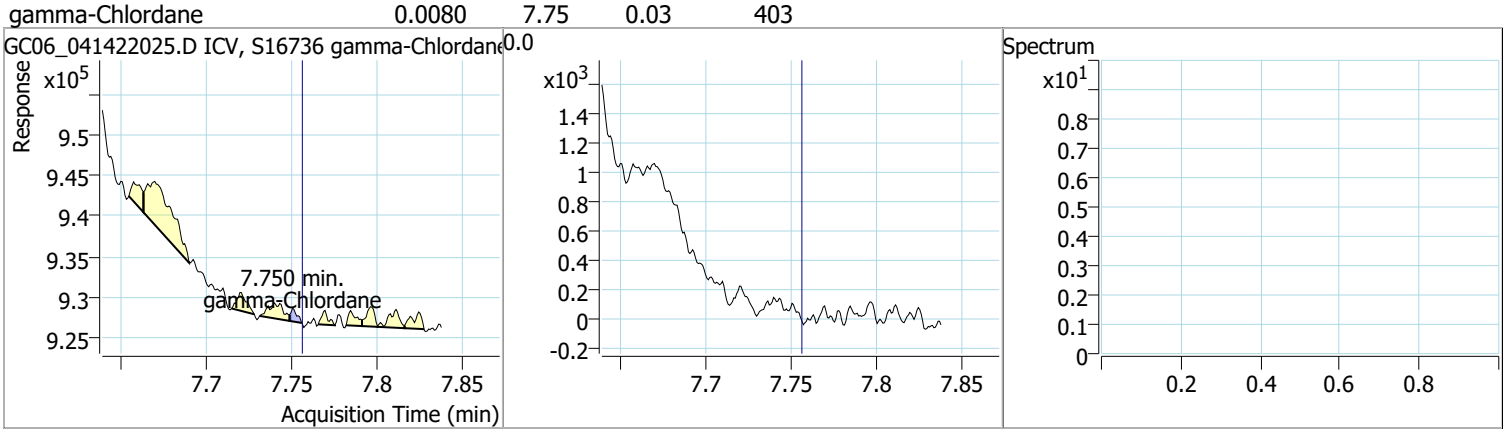
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide	14.2766	7.60	0.07	1002864			



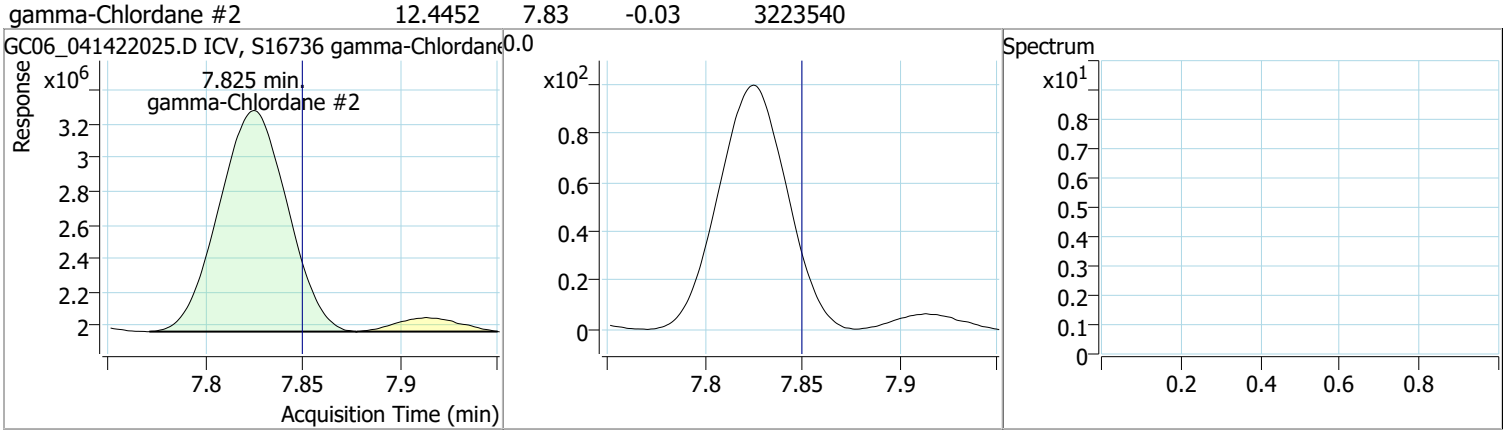
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Heptachlor epoxide #2	14.6650	7.51	-0.02	3492430			



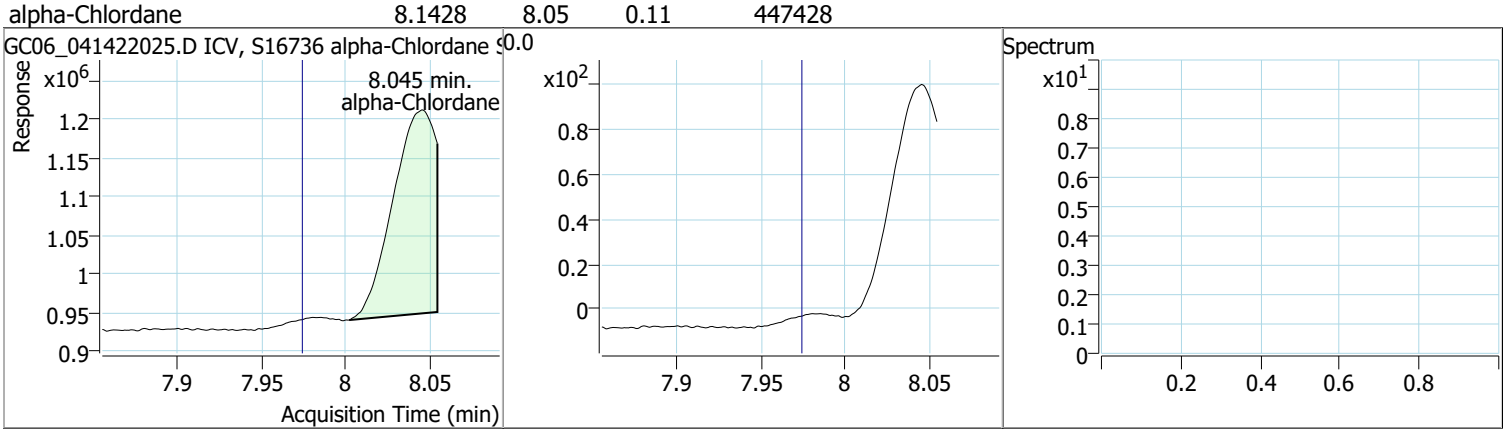
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane	0.0080	7.75	0.03	403			



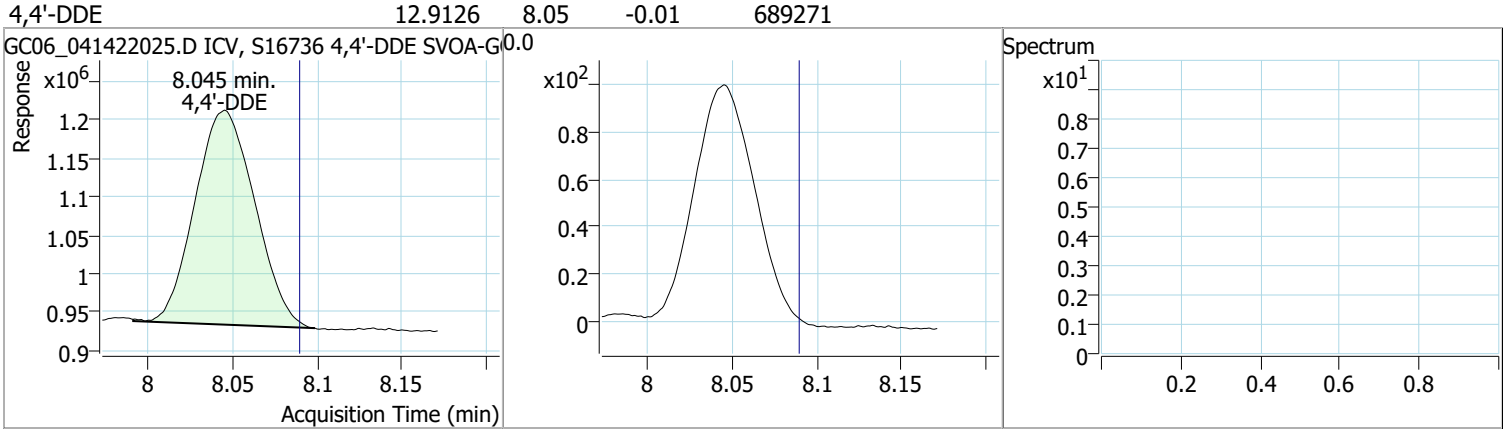
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
gamma-Chlordane #2	12.4452	7.83	-0.03	3223540			



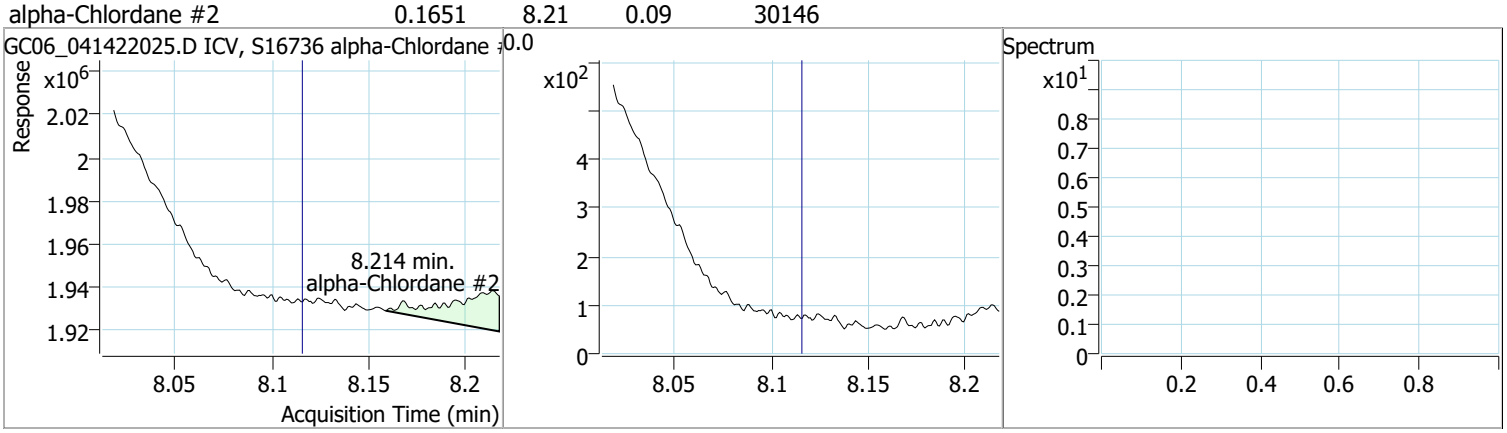
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane	8.1428	8.05	0.11	447428			



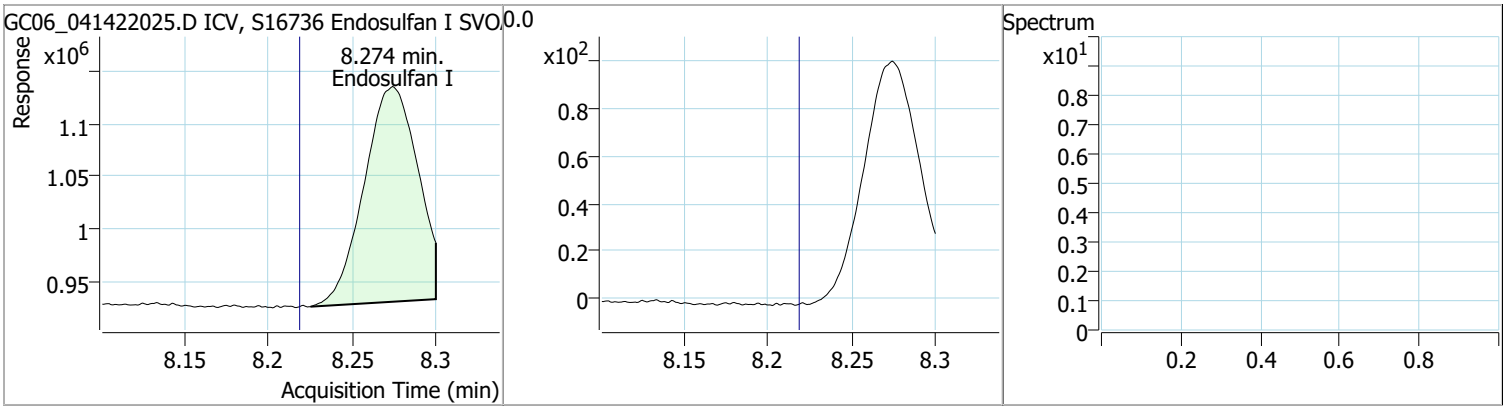
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE	12.9126	8.05	-0.01	689271			



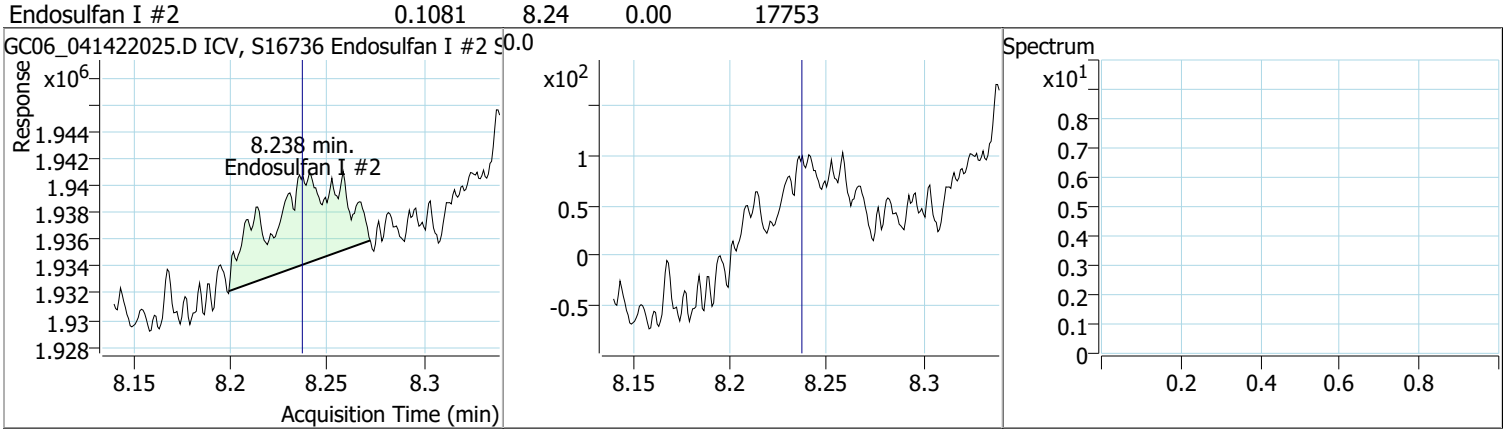
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
alpha-Chlordane #2	0.1651	8.21	0.09	30146			



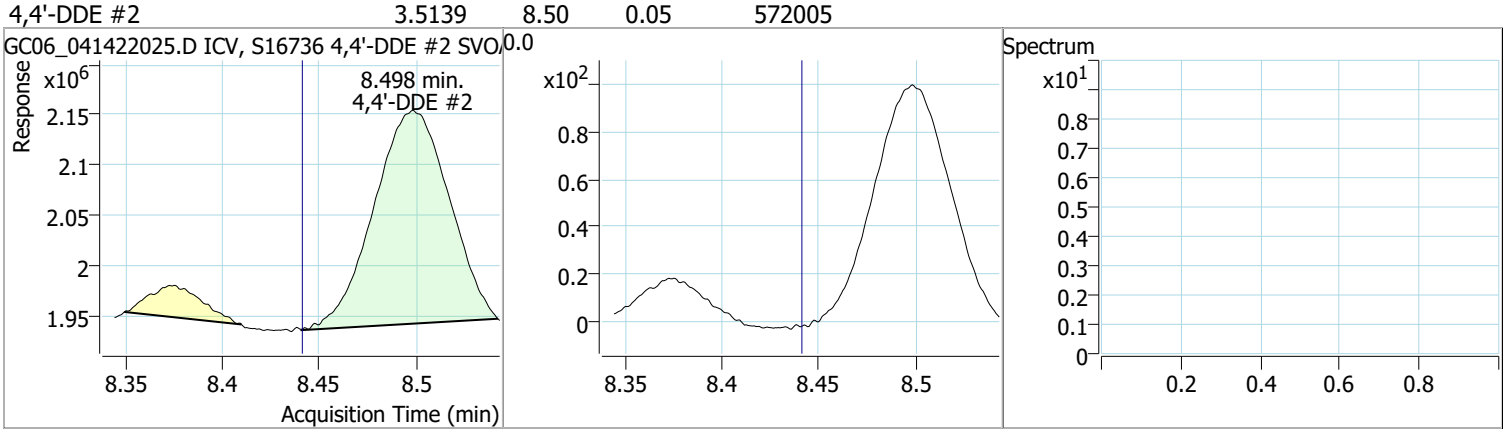
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I	8.6675	8.27	0.10	455772			



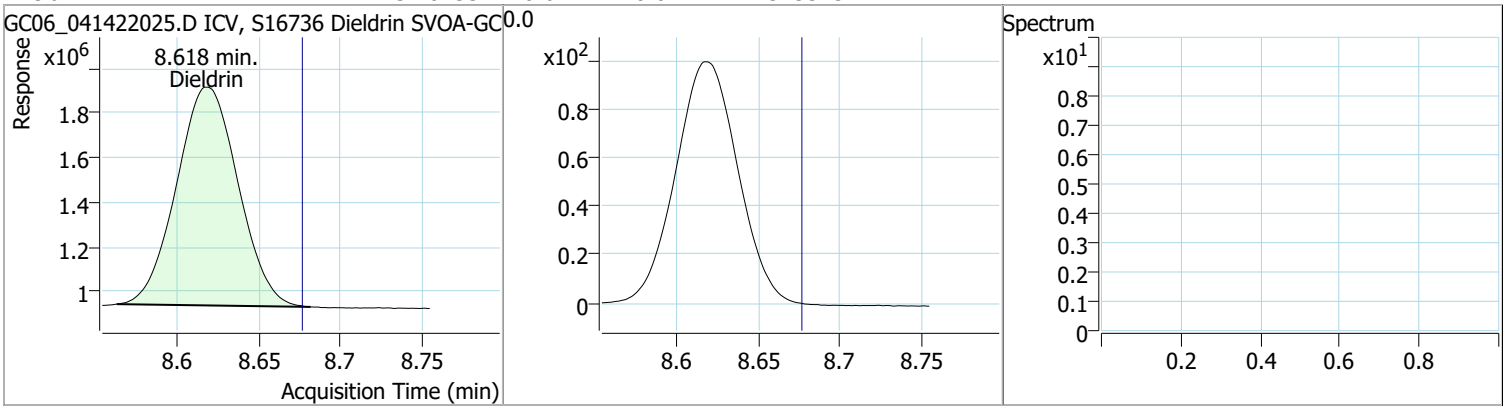
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan I #2	0.1081	8.24	0.00	17753			



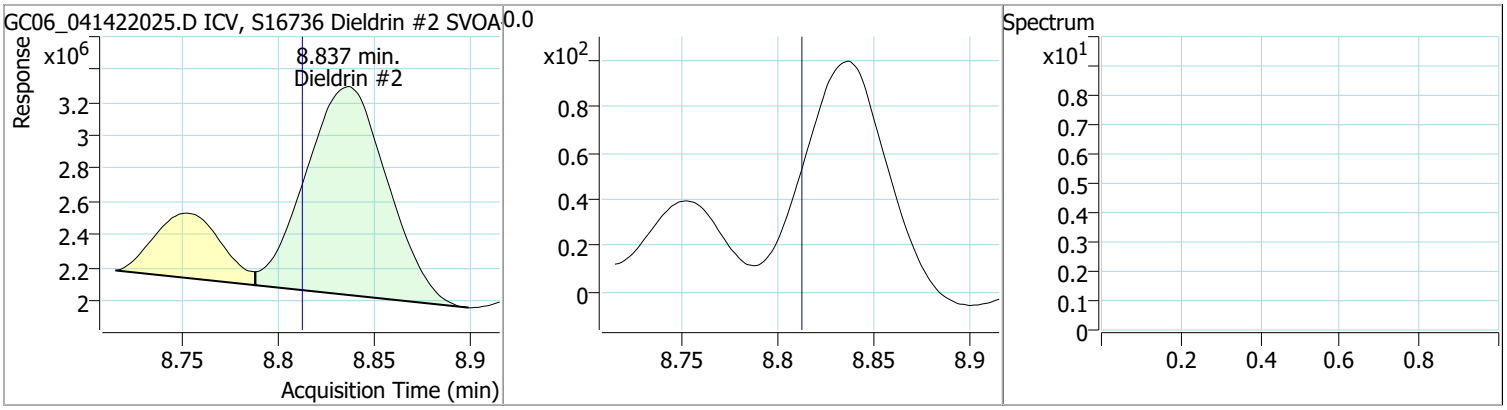
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDE #2	3.5139	8.50	0.05	572005			



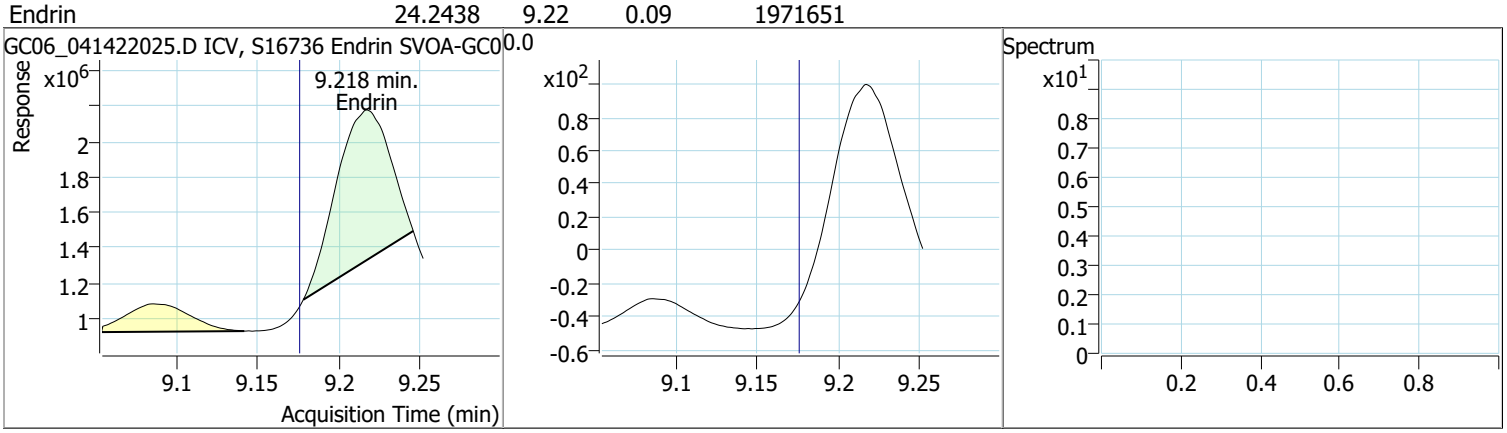
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Dieldrin	34.0733	8.62	-0.01	2545513		



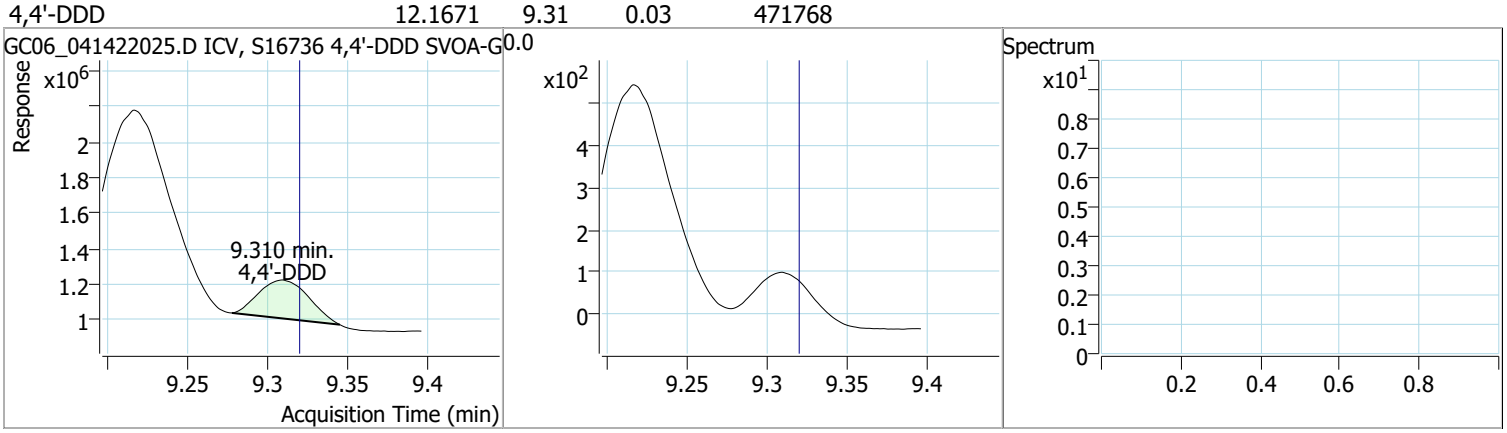
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Dieldrin #2	18.3757	8.84	0.02	3715515		



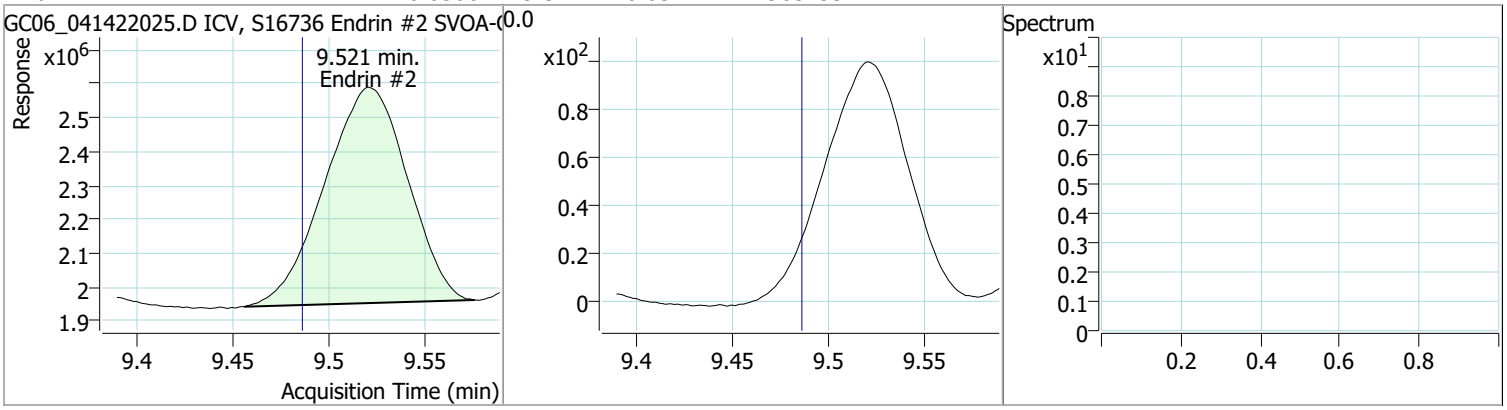
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
Endrin	24.2438	9.22	0.09	1971651		



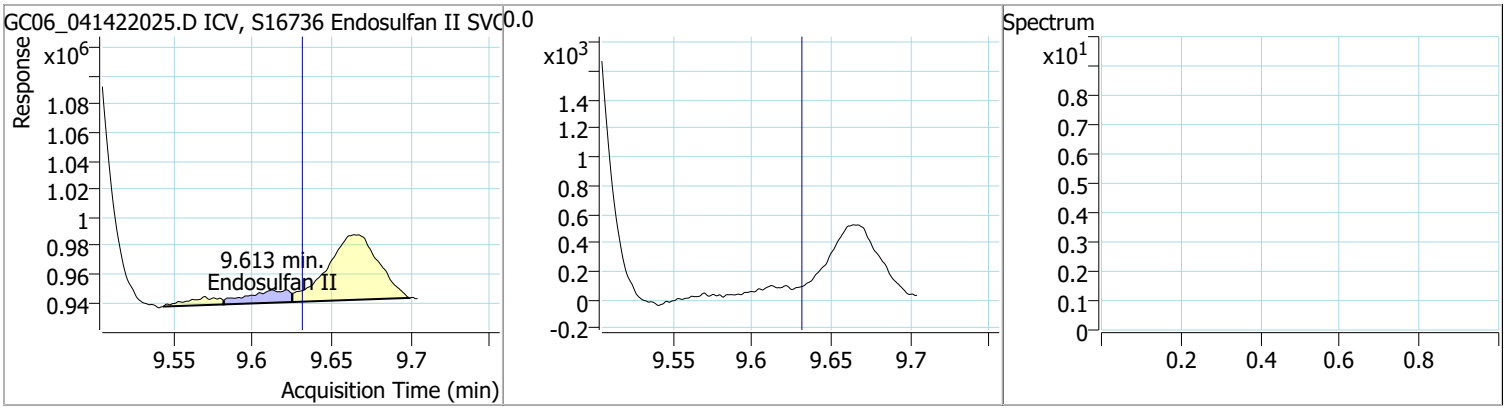
Compound	Conc.	Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD	12.1671	9.31	0.03	471768		



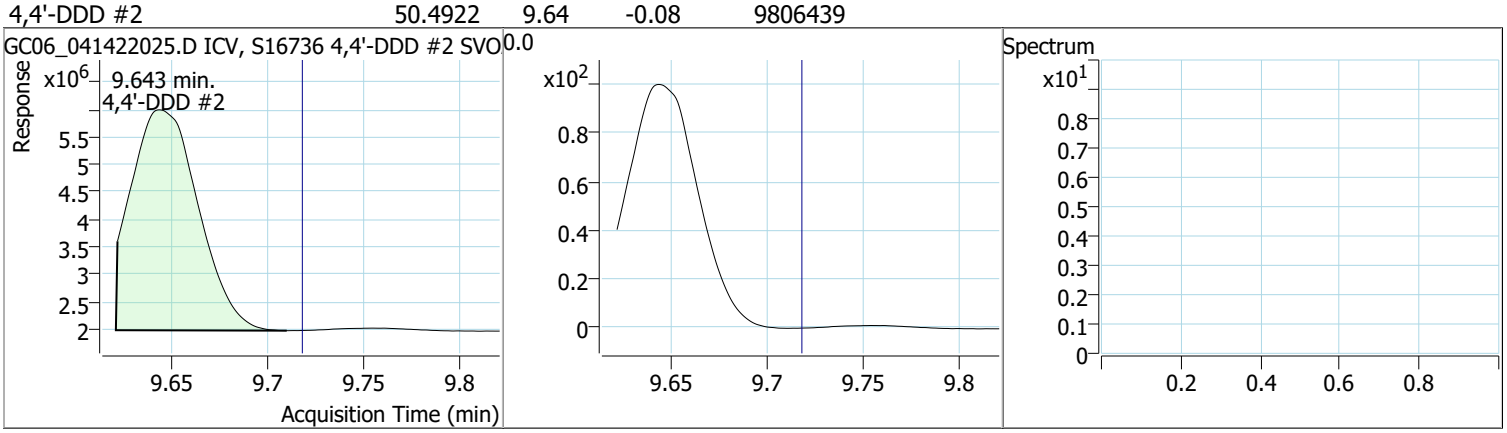
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin #2	10.8300	9.52	0.03	1905799			



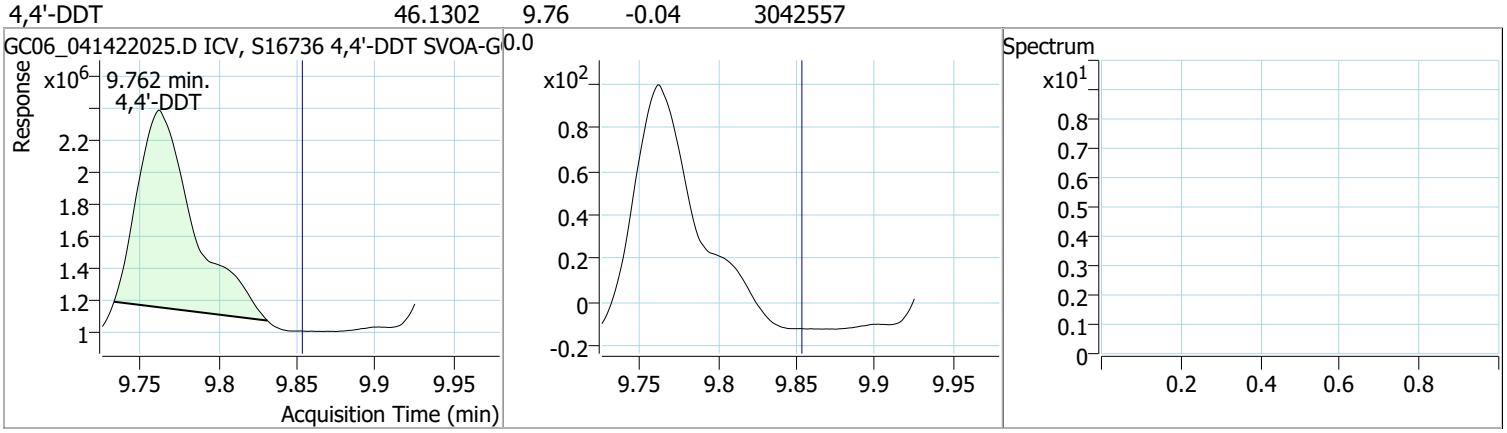
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II	0.3425	9.61	0.03	16477			



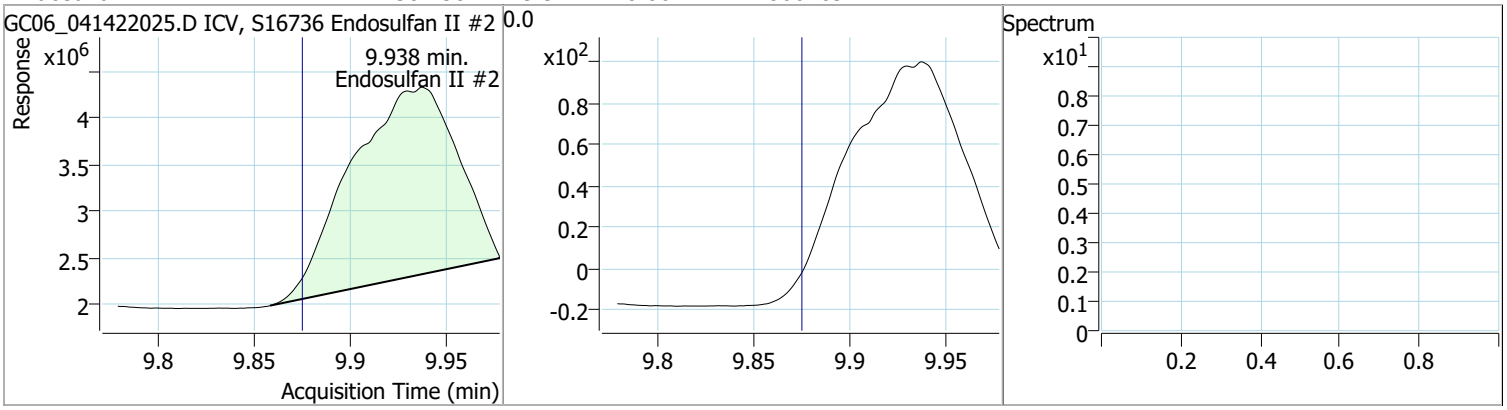
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDD #2	50.4922	9.64	-0.08	9806439			



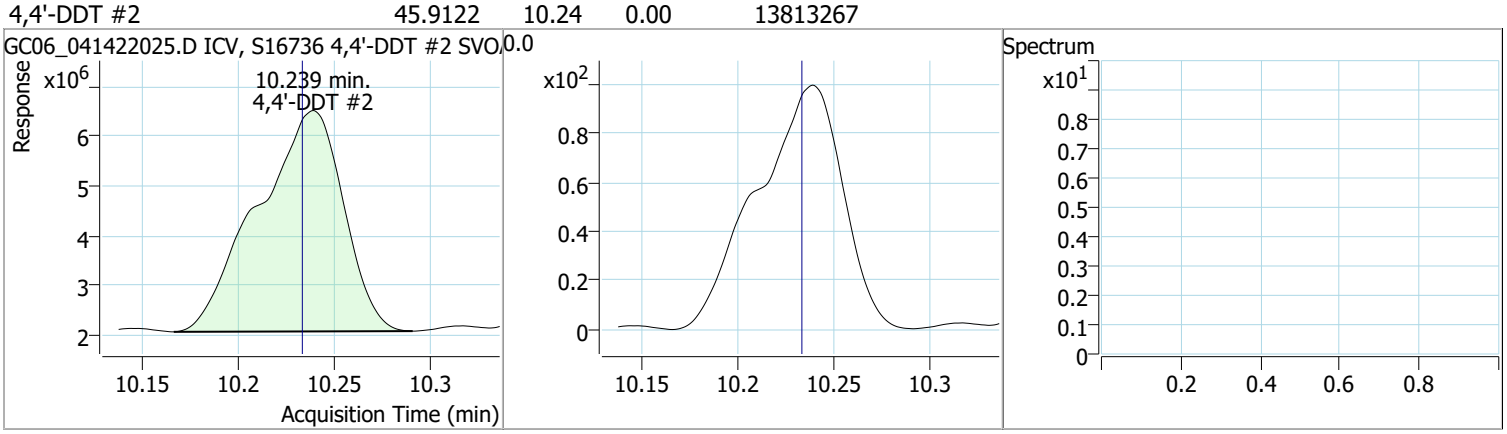
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT	46.1302	9.76	-0.04	3042557			



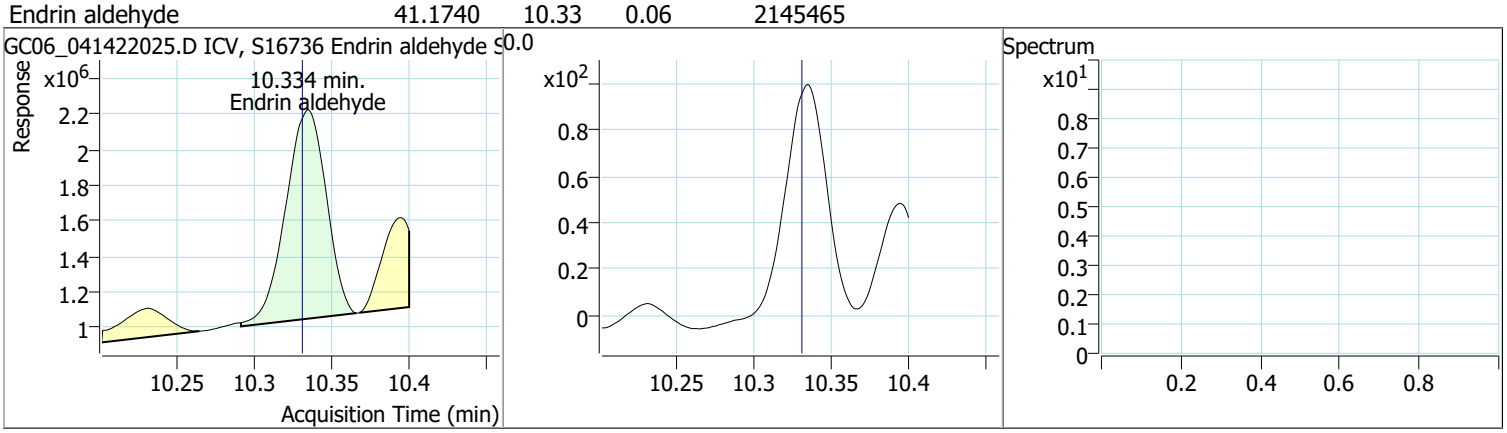
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan II #2	30.2587	9.94	0.06	7866789			



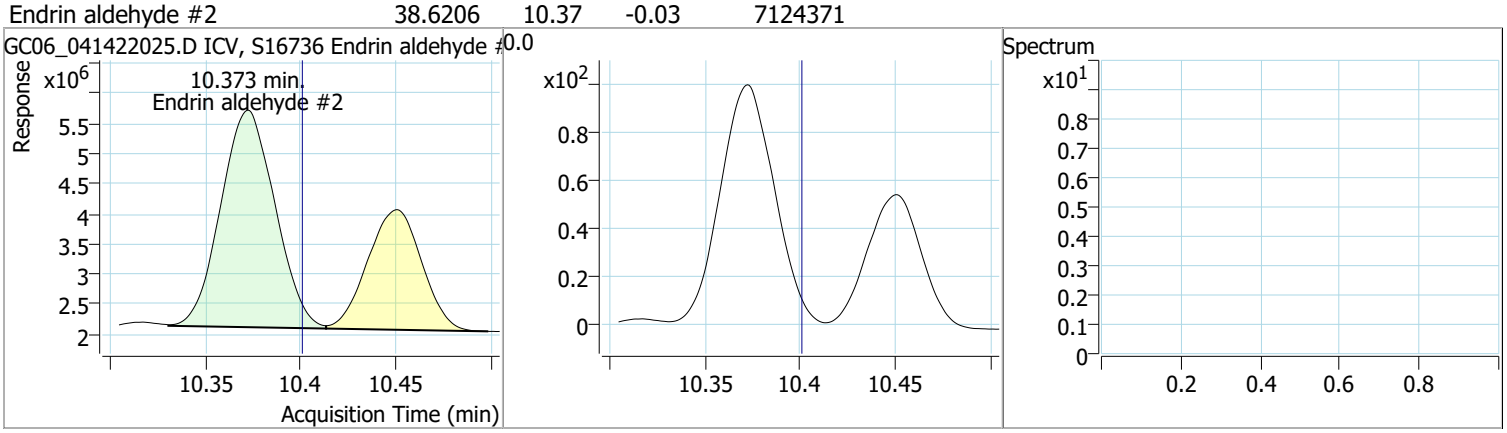
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
4,4'-DDT #2	45.9122	10.24	0.00	13813267			



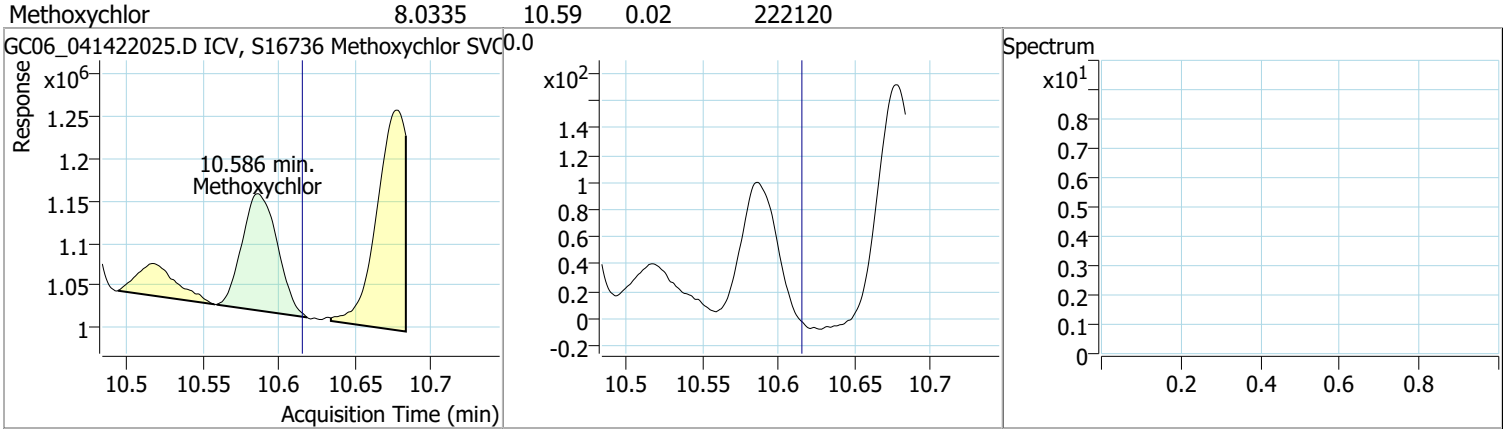
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde	41.1740	10.33	0.06	2145465			



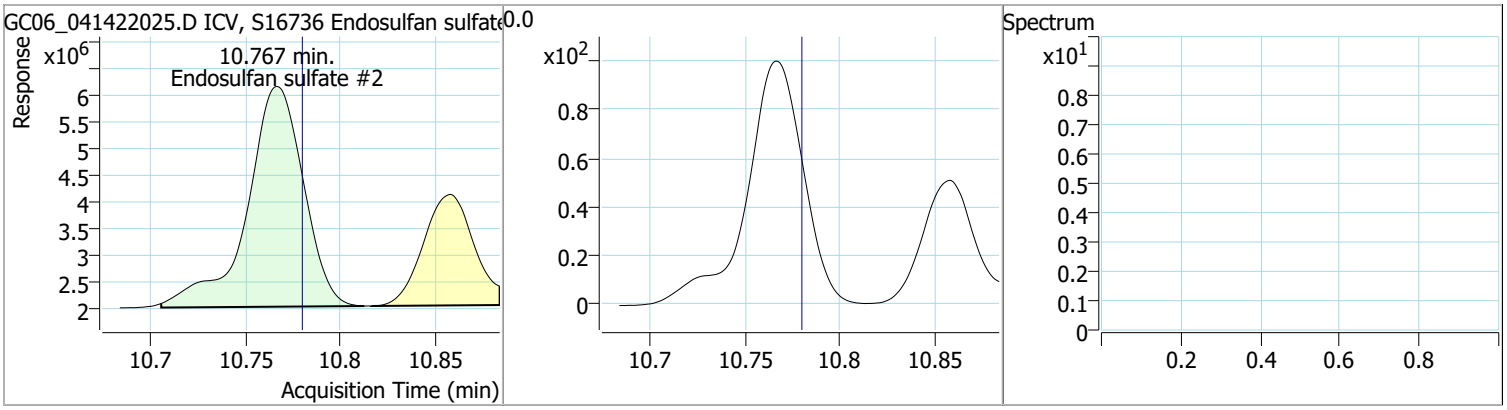
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin aldehyde #2	38.6206	10.37	-0.03	7124371			



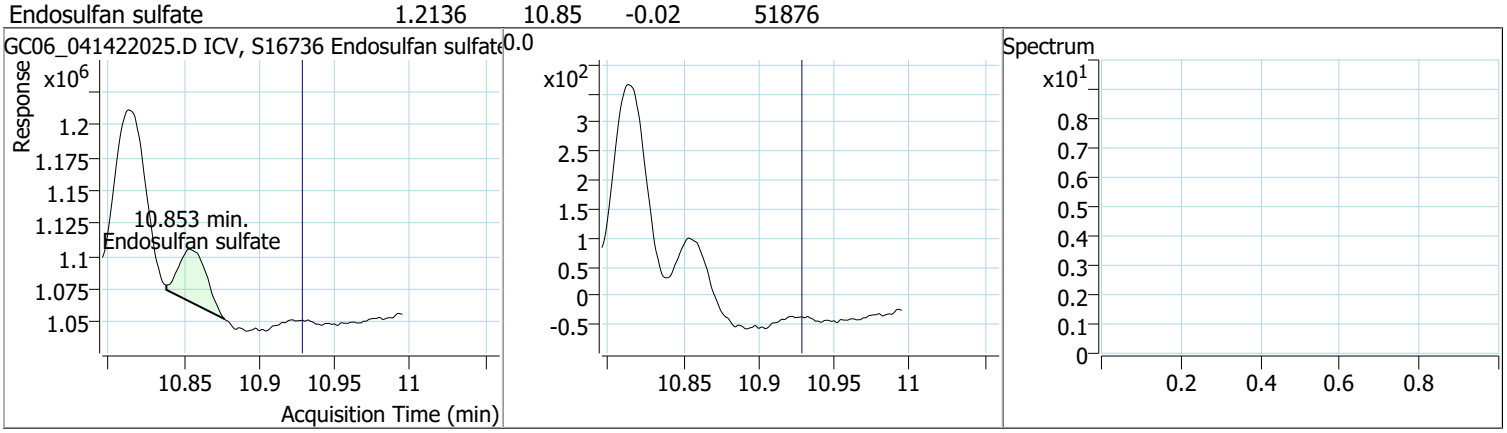
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor	8.0335	10.59	0.02	222120			



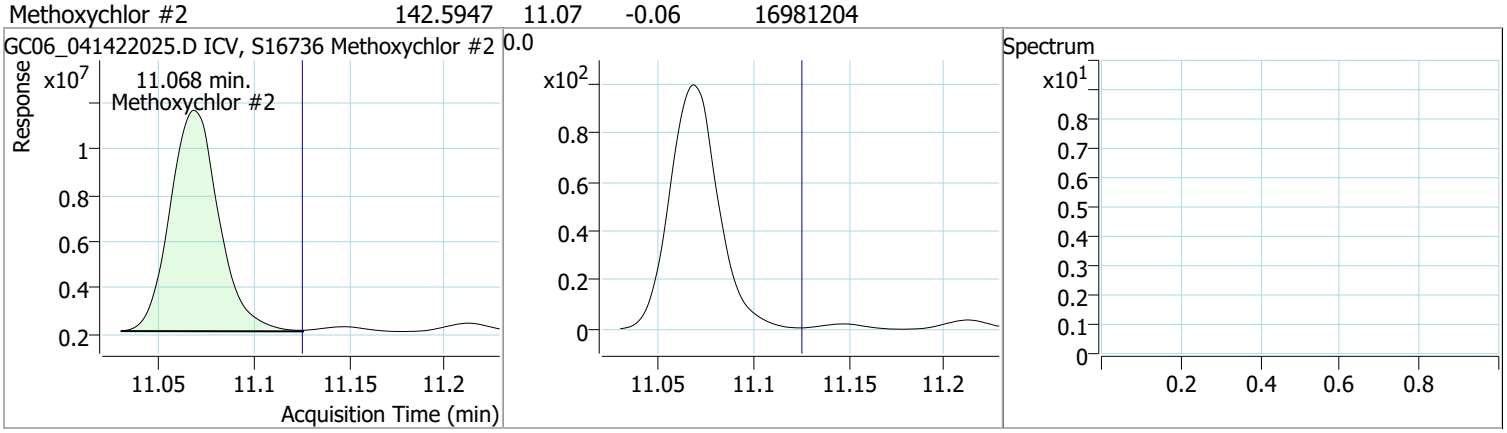
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate #2	39.2094	10.77	-0.02	8477372			



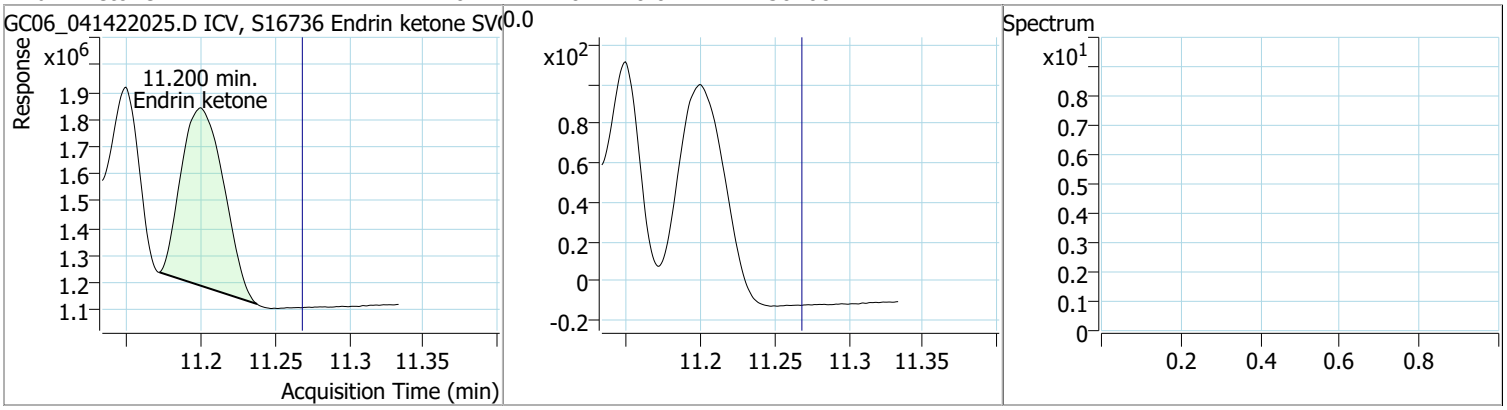
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endosulfan sulfate	1.2136	10.85	-0.02	51876			



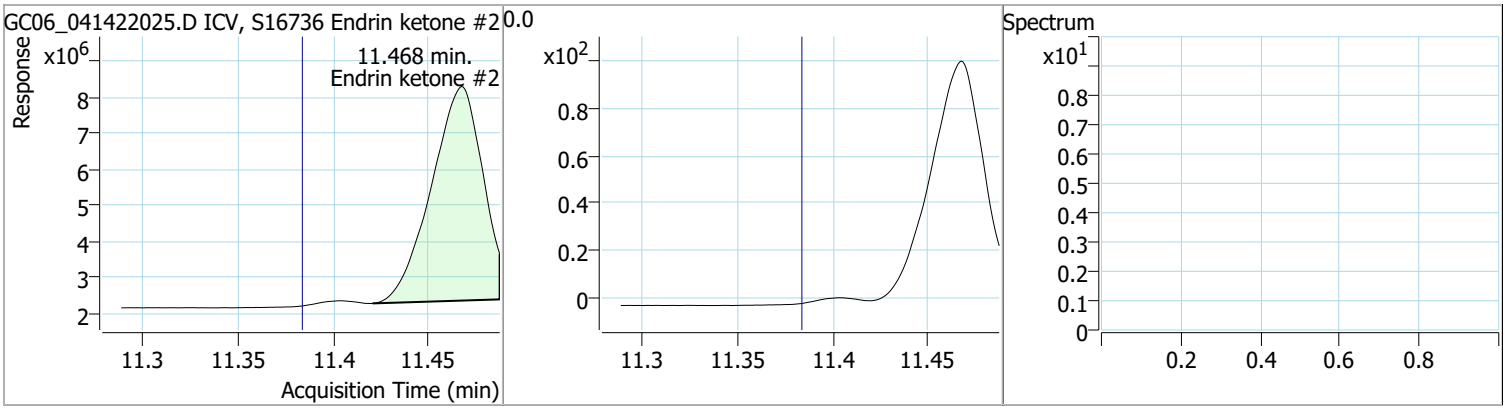
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Methoxychlor #2	142.5947	11.07	-0.06	16981204			



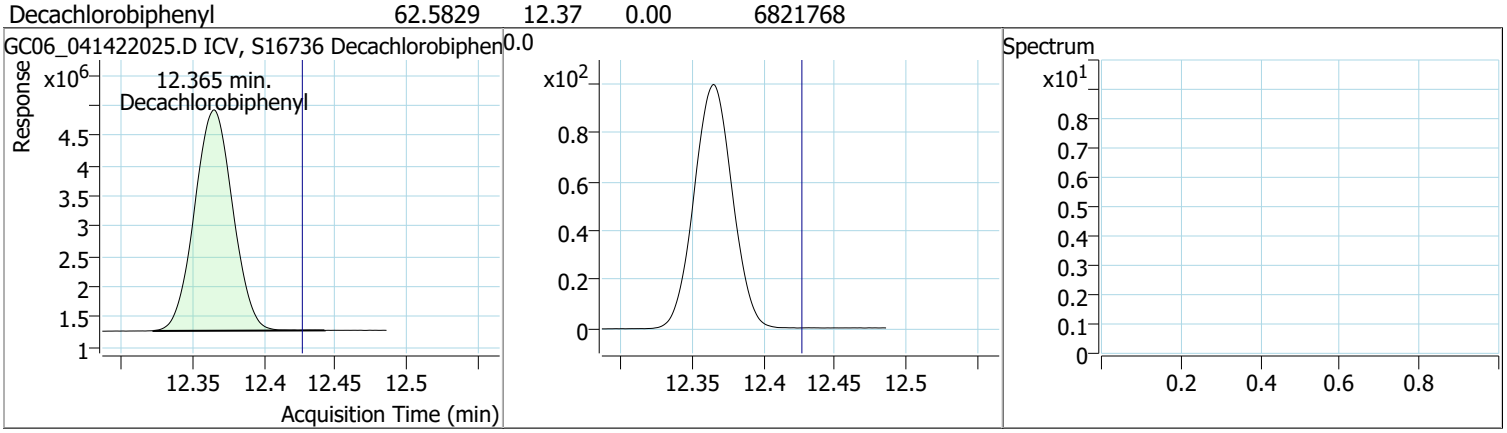
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone	21.2201	11.20	-0.01	1304087			



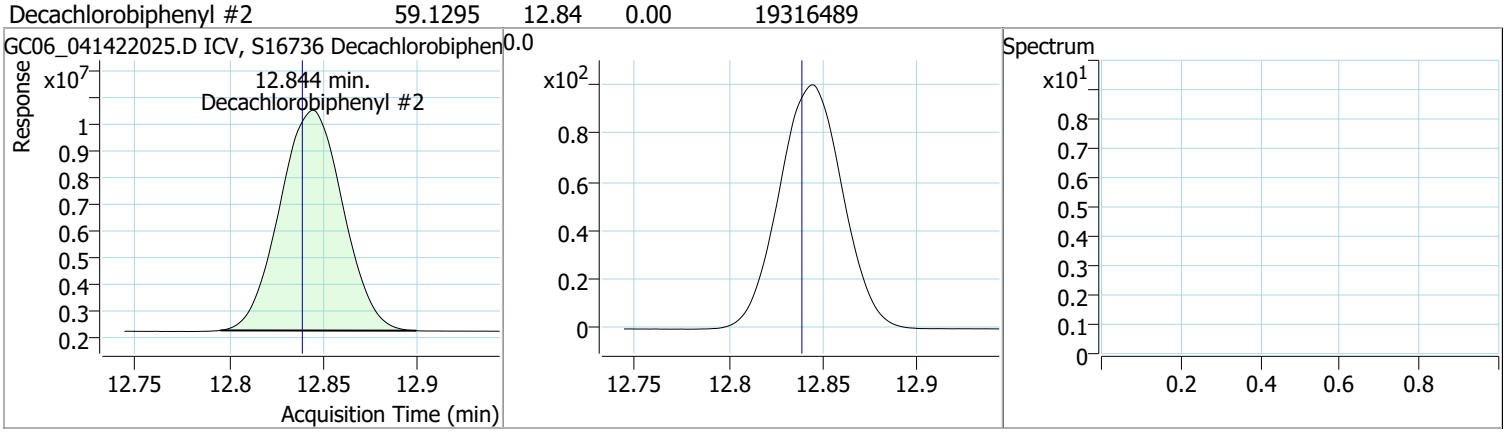
Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Endrin ketone #2	40.3514	11.47	0.08	11080565			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl	62.5829	12.37	0.00	6821768			



Compound	Conc.		Dev(Min)		QRatio	Lower	Uppper
Decachlorobiphenyl #2	59.1295	12.84	0.00	19316489			



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 467771 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	452343556002	File:	gc06_082622002	Time:	26-AUG-2022 13:56
Cal:	452150634002	Caldate:	14-APR-2022		

Standards: S17055

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	550.8	ug/L	10	15	0.0000	
Aroclor-1260	A			500.0	569.3	ug/L	14	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.5203	1.7501	20.00	23.02	ug/L	15	15	0.0000	
TCMX (PCB)	A	0.9618	1.9034	20.00	39.58	ug/L	**98**	15	0.0000	c+
Aroclor-1016	B			500.0	579.5	ug/L	**16**	15	0.0000	**c+** ***
Aroclor-1260	B			500.0	605.4	ug/L	**21**	15	0.0000	**c+** ***
Decachlorobiphenyl (PCB)	B	1.2065	1.6012	20.00	26.54	ug/L	**33**	15	0.0000	c+
TCMX (PCB)	B	0.9158	1.9823	20.00	43.29	ug/L	**116**	15	0.0000	c+

ISTD (ICAL gc06_041422016)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	6493014	8218495	26.57
1-bromo-2-nitrobenzene (PCB)	A	1831488	1919479	4.80

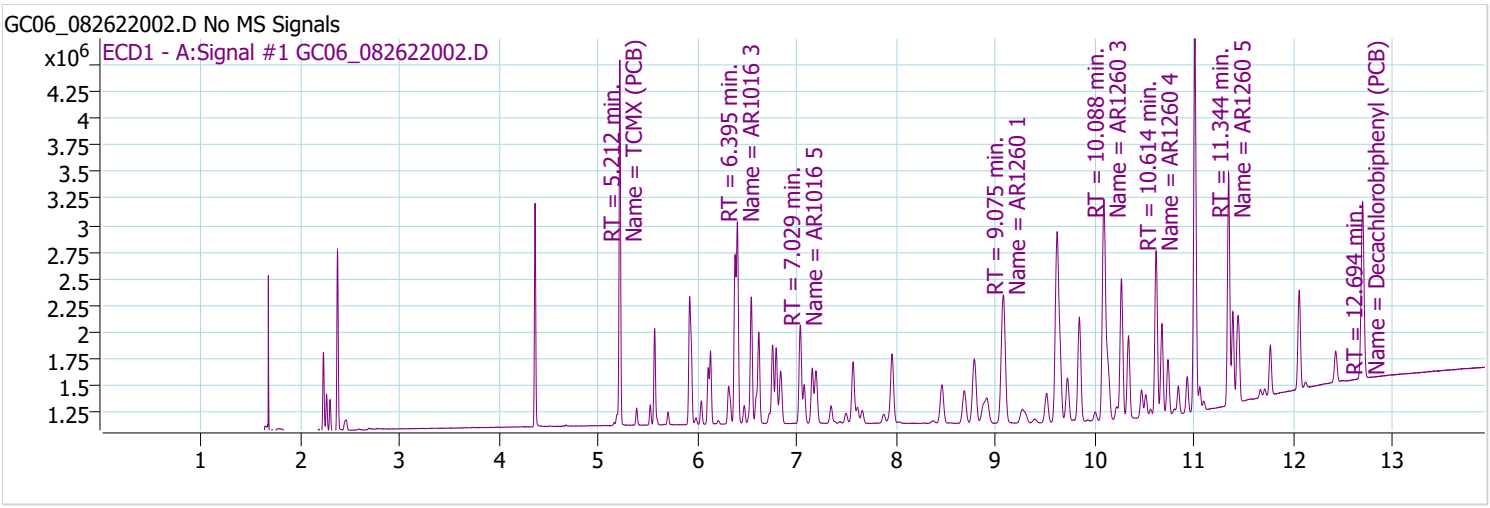
TRN 08/26/22 : Report from CH A

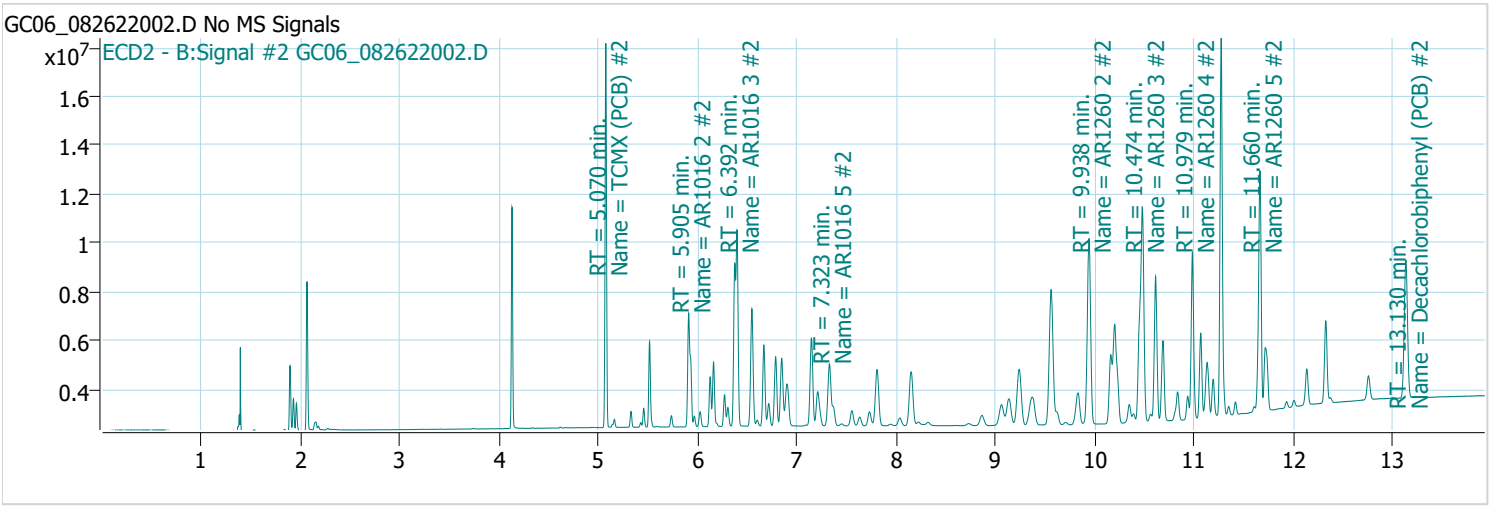
+=high bias c=CCV

Analyst: TRN 08/26/22 **Reviewer:** SLL 08/29/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082622002.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/26/2022 1:56:28 PM
Sample Name	CCV, S17055	Instrument	SVOA-GC06
Vial	144	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082622PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



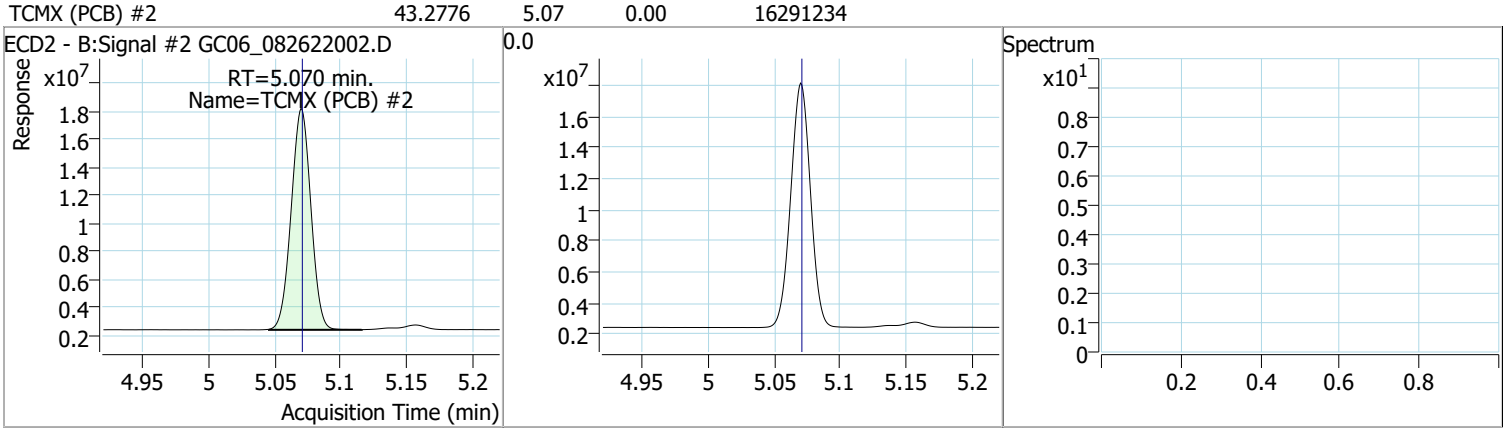


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.125	0.0	8218494.593	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.358	0.0	1919479.072	20.0000	ng/ml		0.002
System Monitoring Compounds							
S TCMX (PCB) #2	5.070	0.0	16291234.129	43.2776	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 216.39%		*	
S TCMX (PCB)	5.212	0.0	3653450.959	39.5705	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 197.85%		*	
S Decachlorobiphenyl (PCB)	12.694	0.0	3359239.629	23.0170	ng/ml		-0.012
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 115.08%			
S Decachlorobiphenyl (PCB) #2	13.130	0.0	13159529.169	26.5355	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 132.68%			
Target Compounds							QValue

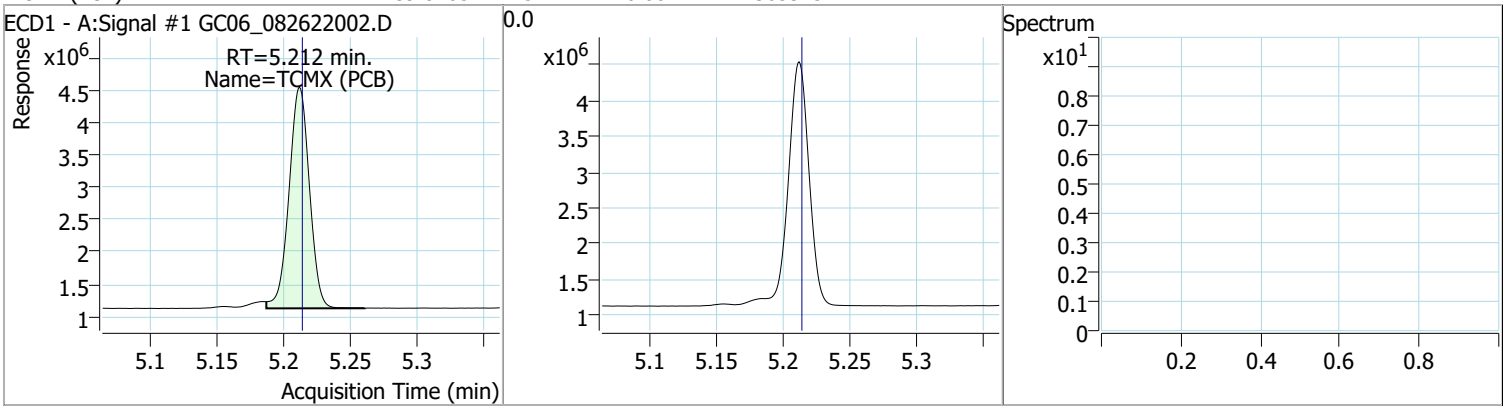
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.511	0.0	4274488.188	555.3903	ng/ml	100
T AR1016 1	5.563	0.0	1090360.480	580.7240	ng/ml	100
T AR1016 2 #2	5.905	0.0	9205725.527	576.3707	ng/ml	100
T AR1016 2	5.916	0.0	2203765.979	539.0542	ng/ml	100
T AR1016 3 #2	6.392	0.0	11832868.321	561.7652	ng/ml	100
T AR1016 3	6.395	0.0	2715067.310	564.2971	ng/ml	100
T AR1016 4	6.535	0.0	1800767.814	500.1343	ng/ml	100
T AR1016 4 #2	6.542	0.0	8308954.061	581.4380	ng/ml	100
T AR1016 5	7.029	0.0	1585119.746	569.1221	ng/ml	100
T AR1016 5 #2	7.323	0.0	6946876.523	621.7807	ng/ml	100
T AR1260 1	9.075	0.0	3437158.892	569.0029	ng/ml	100
T AR1260 1 #2	9.556	0.0	16016236.166	643.8940	ng/ml	100
T AR1260 2	9.617	0.0	5231800.841	562.3147	ng/ml	100
T AR1260 2 #2	9.938	0.0	17641523.891	613.8068	ng/ml	100
T AR1260 3	10.088	0.0	5750483.902	594.5388	ng/ml	100
T AR1260 3 #2	10.474	0.0	24308622.647	622.5284	ng/ml	100
T AR1260 4	10.614	0.0	2746637.464	570.9931	ng/ml	100
T AR1260 4 #2	10.979	0.0	11794601.506	558.2012	ng/ml	100
T AR1260 5	11.344	0.0	3493607.876	548.7437	ng/ml	100
T AR1260 5 #2	11.660	0.0	18309367.109	587.7400	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

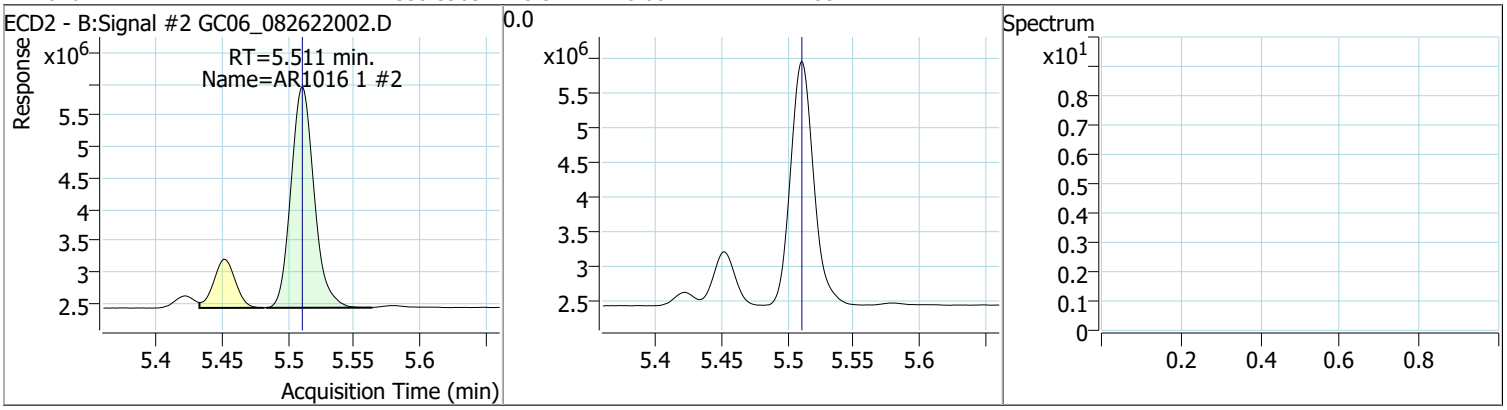
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	43.2776	5.07	0.00	16291234				



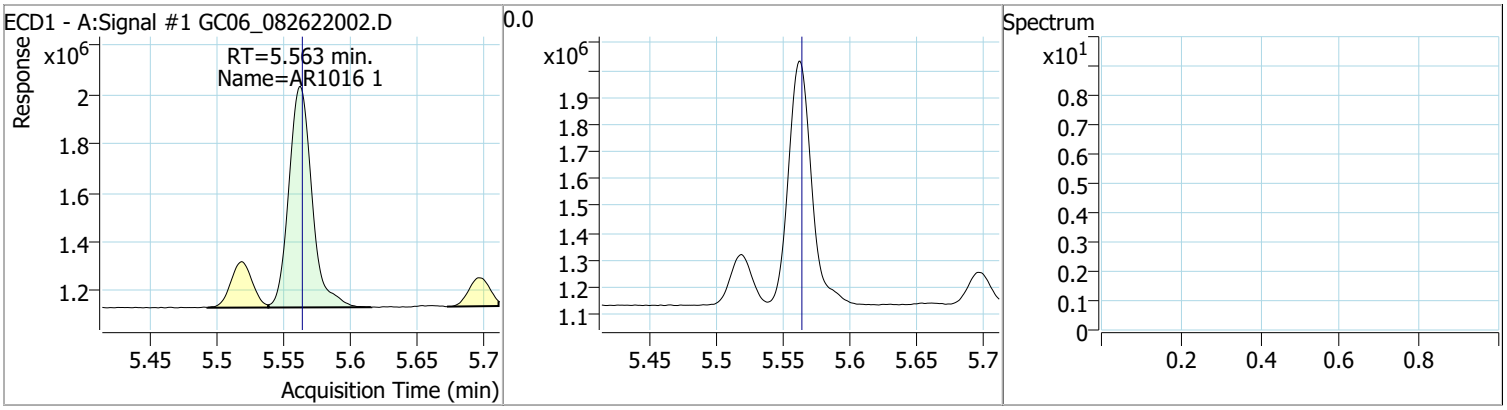
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.5705	5.21	0.00	3653451				



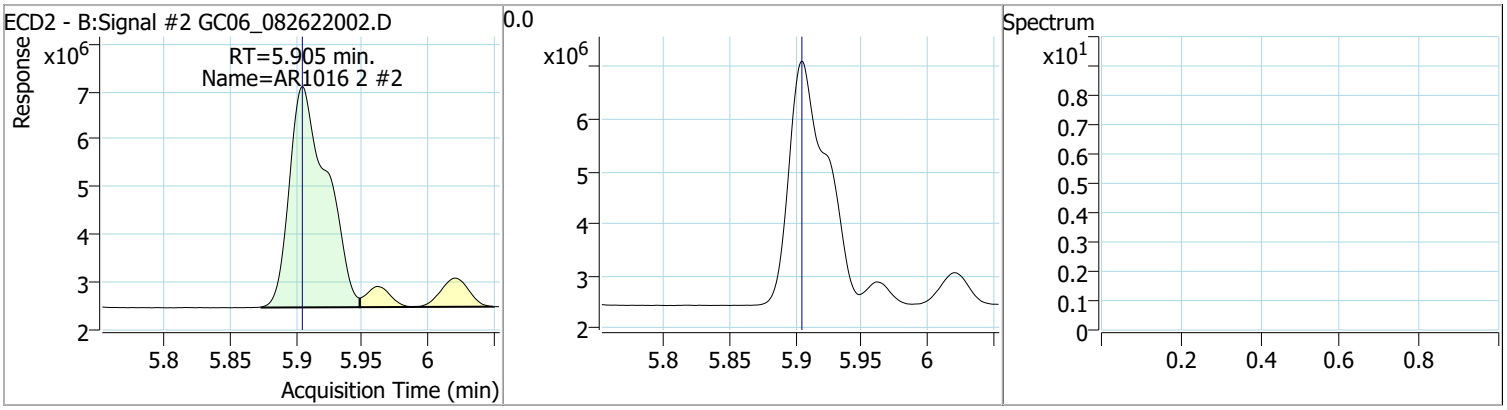
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	555.3903	5.51	0.00	4274488				



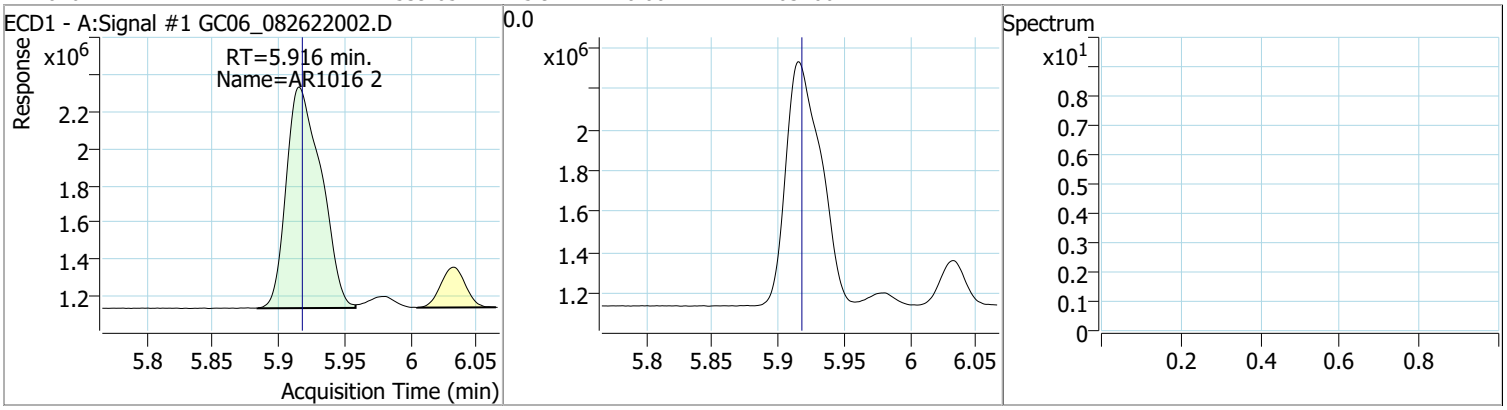
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	580.7240	5.56	0.00	1090360				



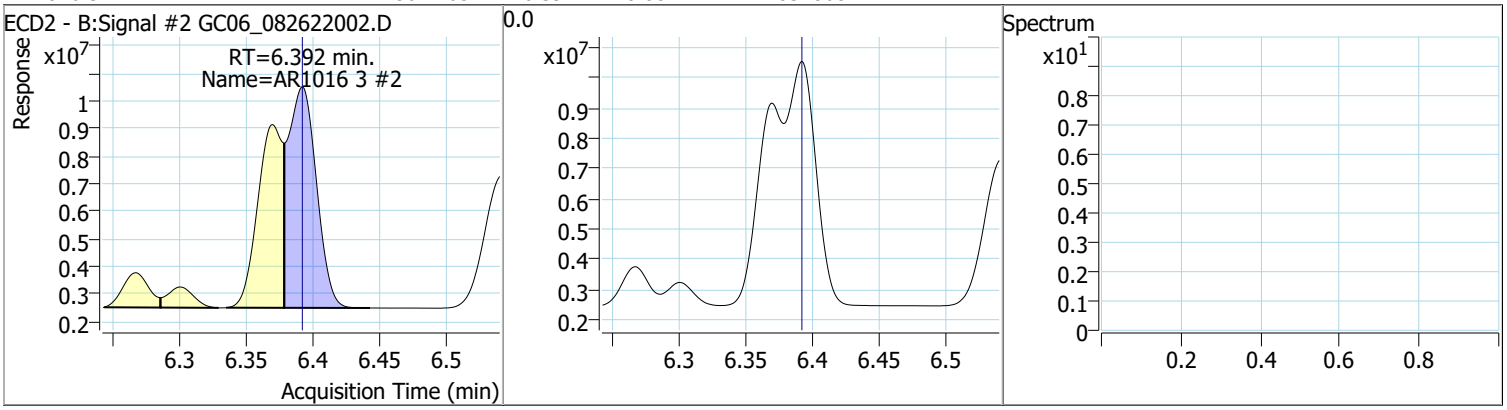
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	576.3707	5.91	0.00	9205726				



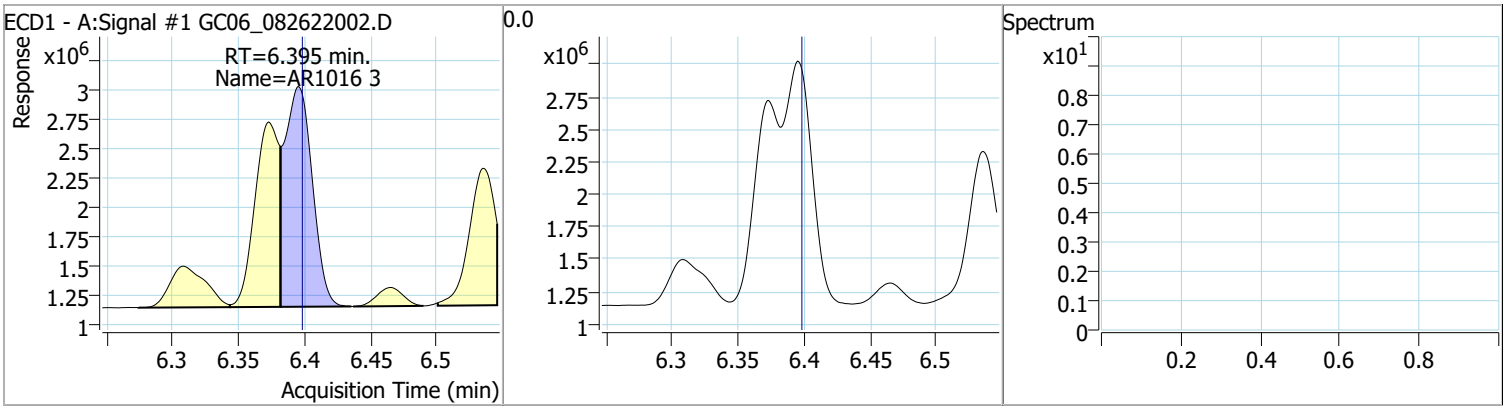
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	539.0542	5.92	0.00	2203766				



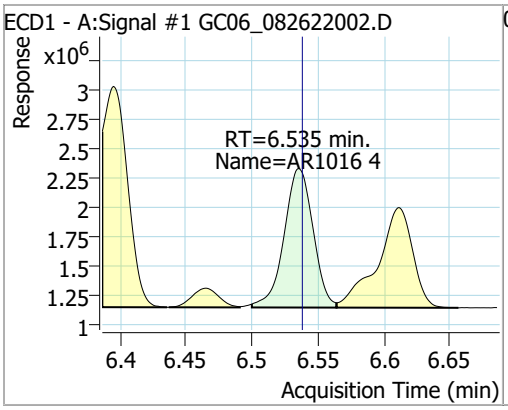
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	561.7652	6.39	0.00	11832868				

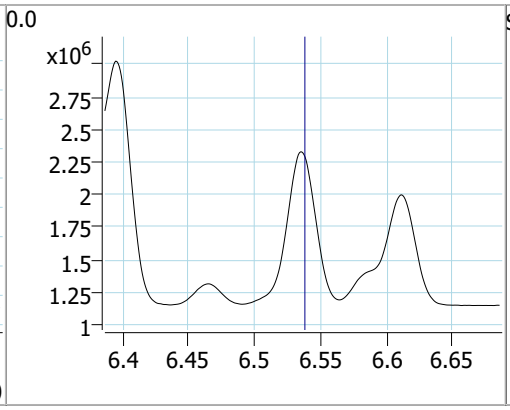


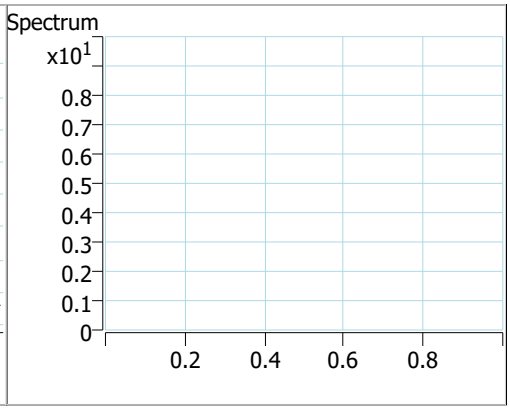
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	564.2971	6.40	0.00	2715067				



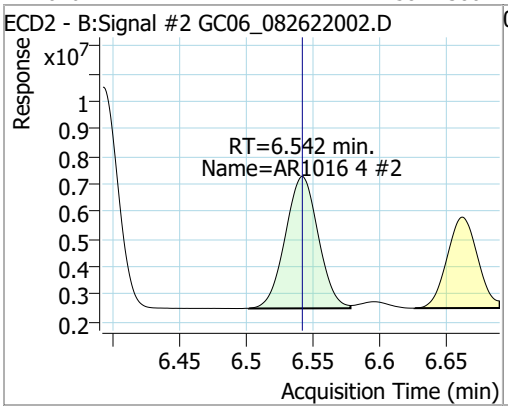
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	500.1343	6.54	0.00	1800768				

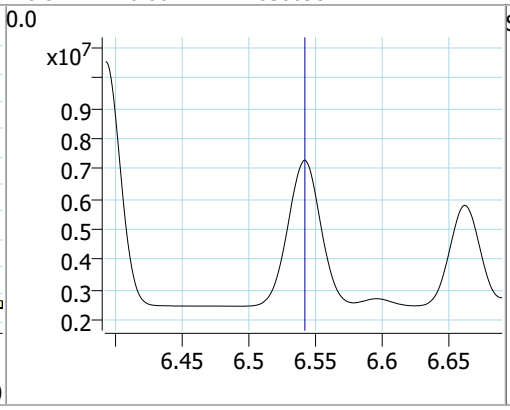


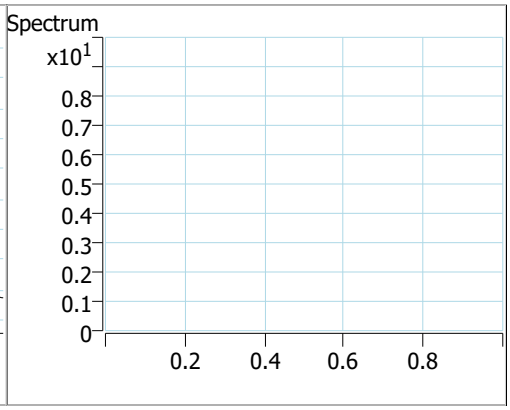




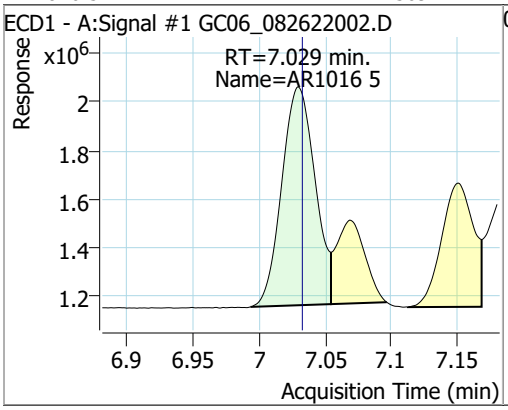
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	581.4380	6.54	0.00	8308954				

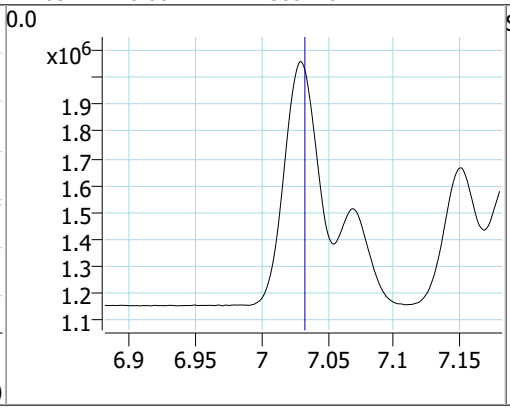


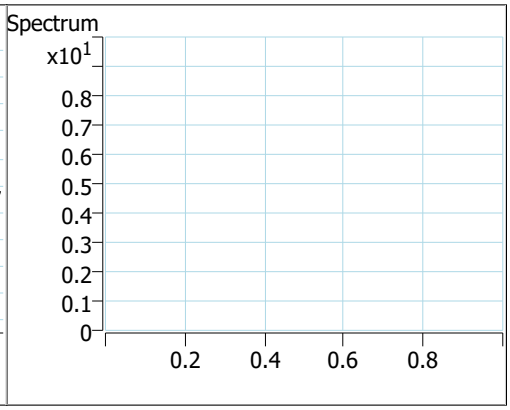




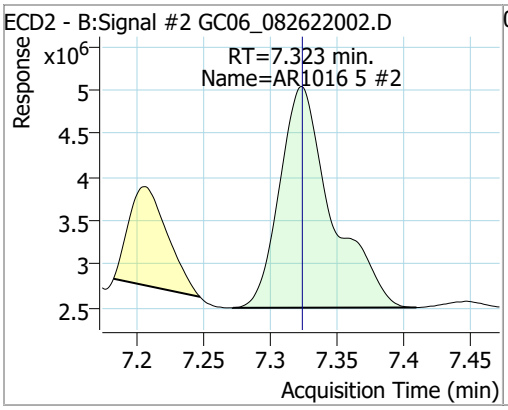
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	569.1221	7.03	0.00	1585120				

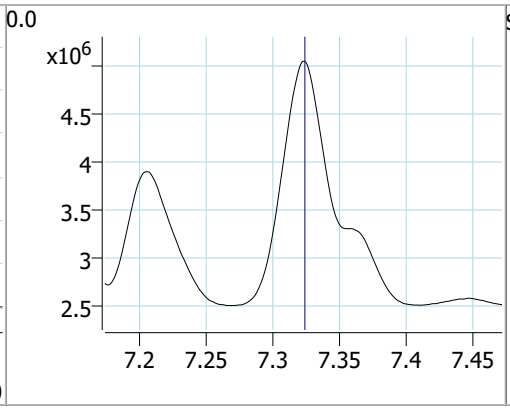


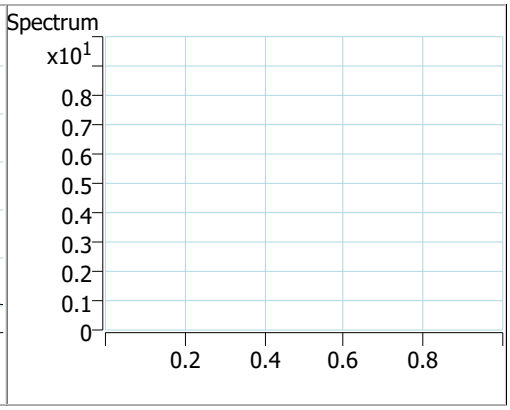




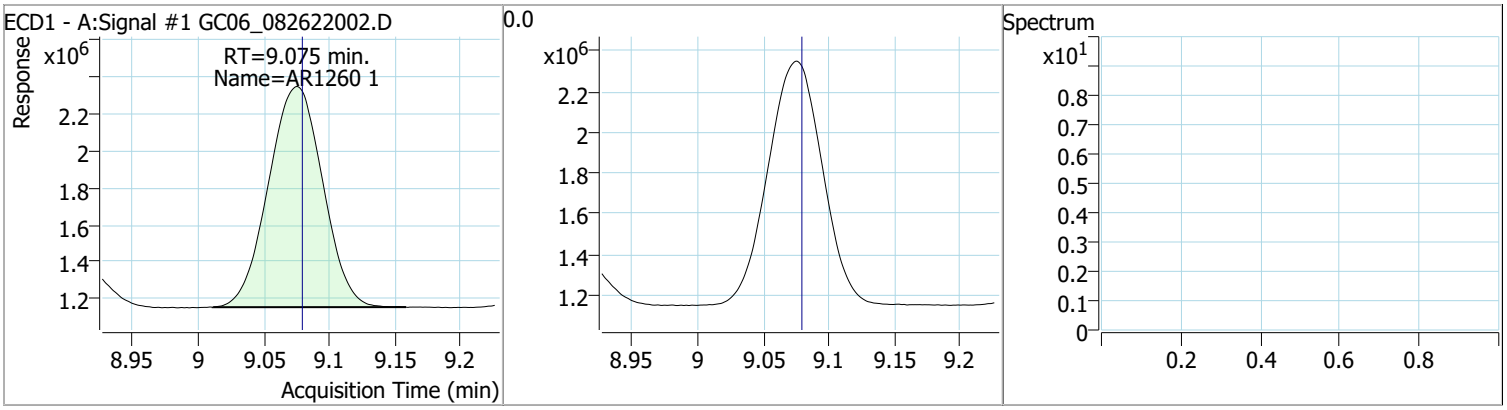
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	621.7807	7.32	0.00	6946877				



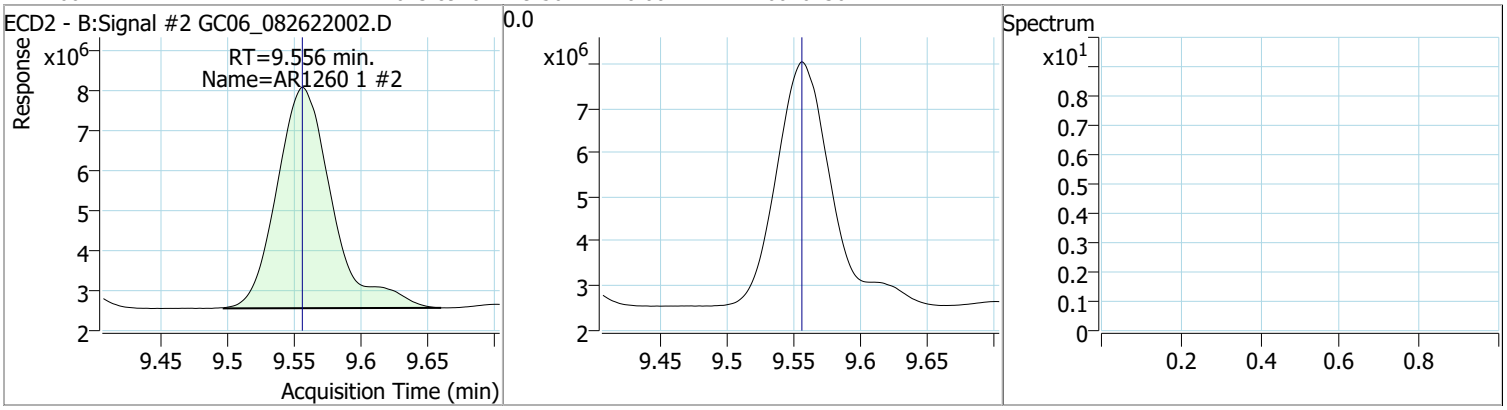




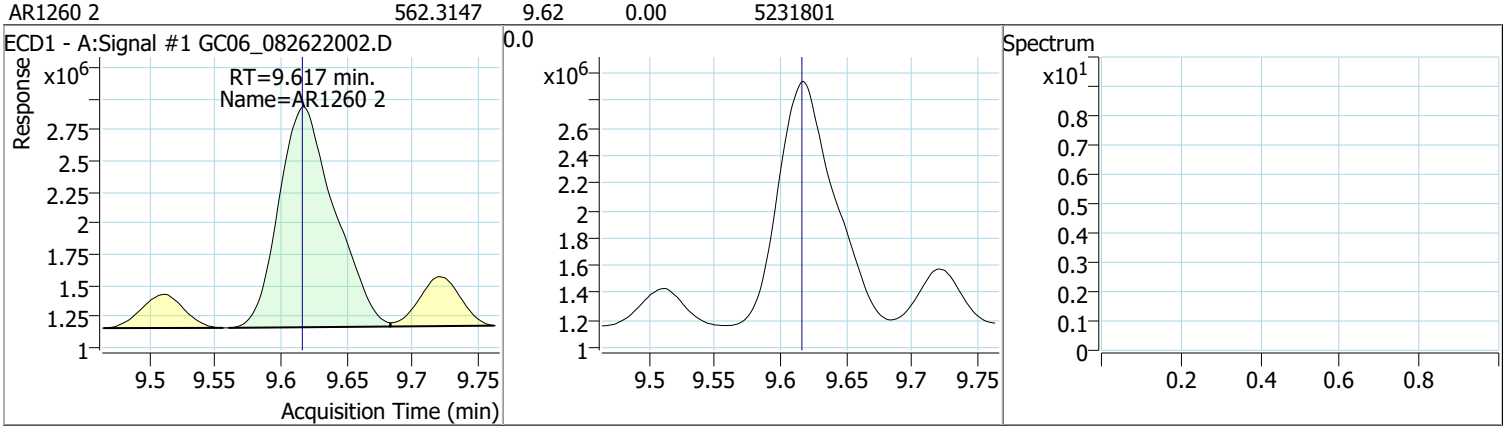
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	569.0029	9.08	0.00	3437159				



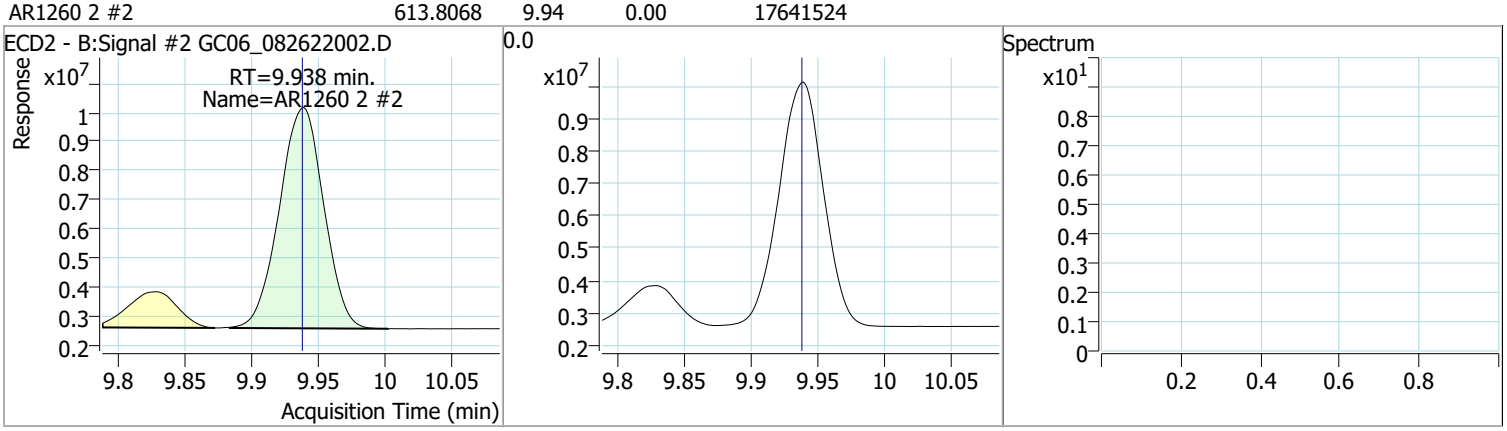
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	643.8940	9.56	0.00	16016236				



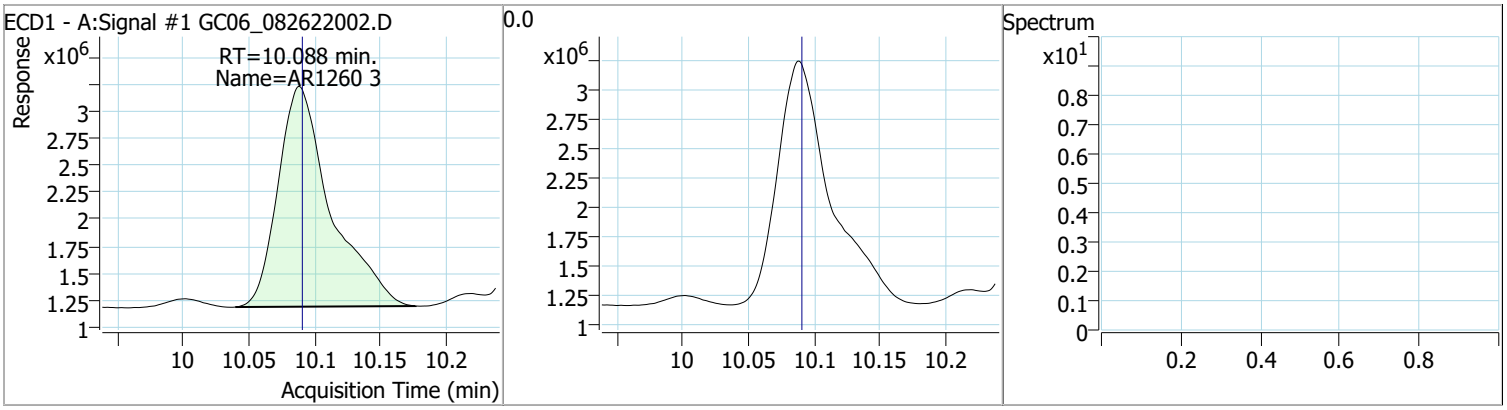
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	562.3147	9.62	0.00	5231801				



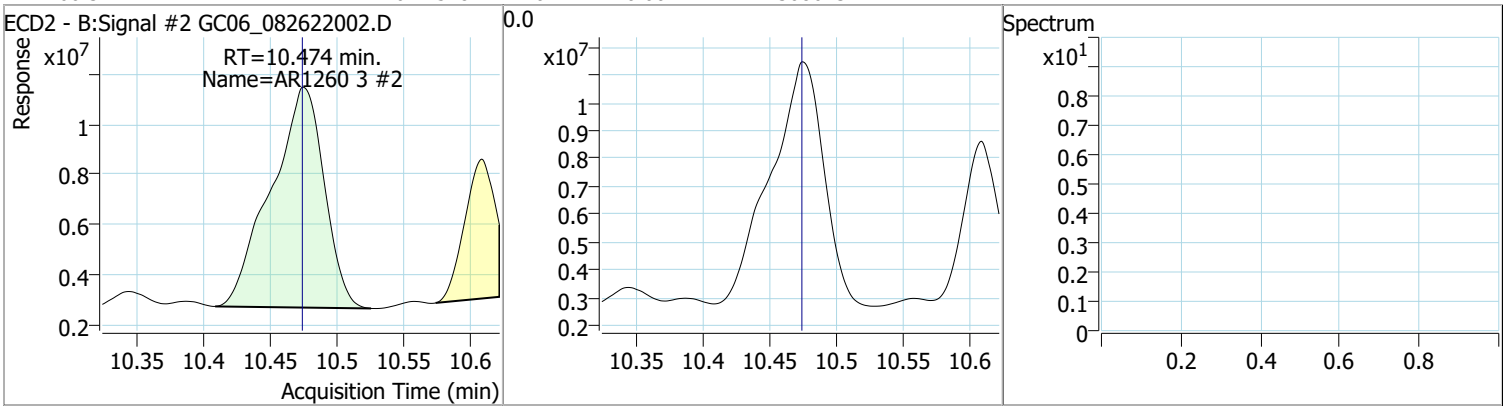
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	613.8068	9.94	0.00	17641524				



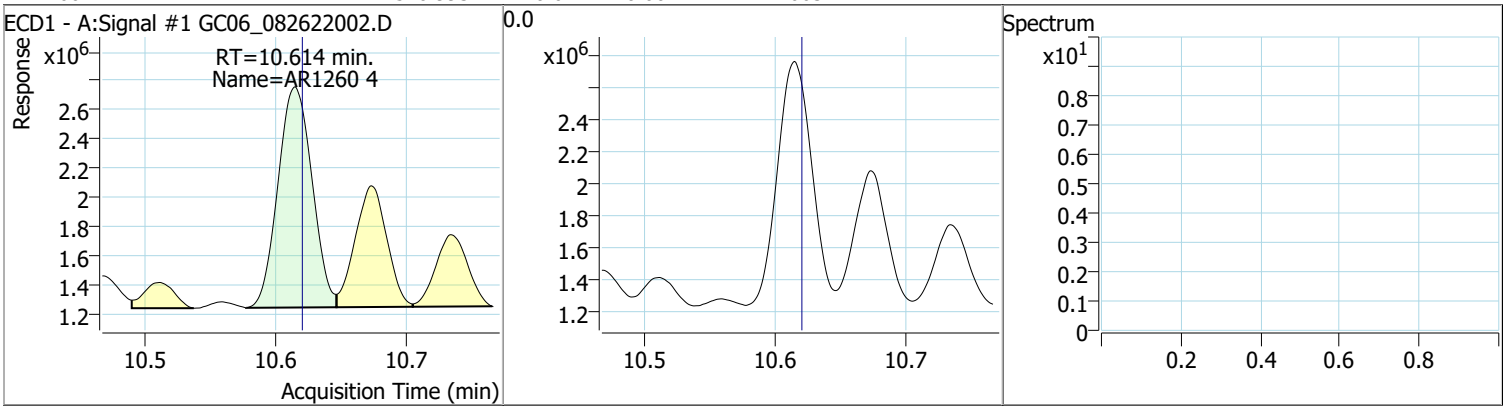
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	594.5388	10.09	0.00	5750484				



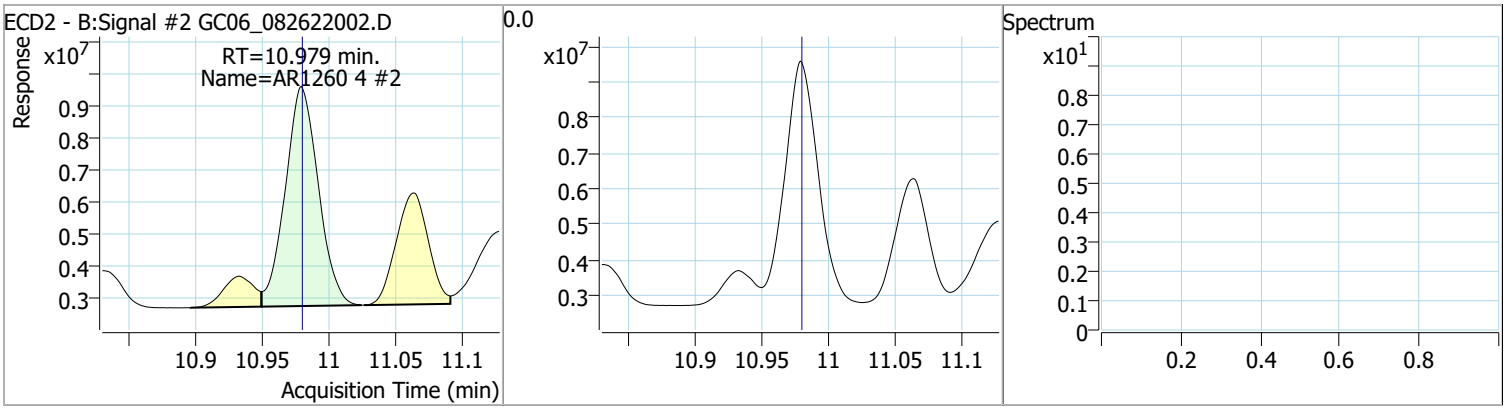
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	622.5284	10.47	0.00	24308623				



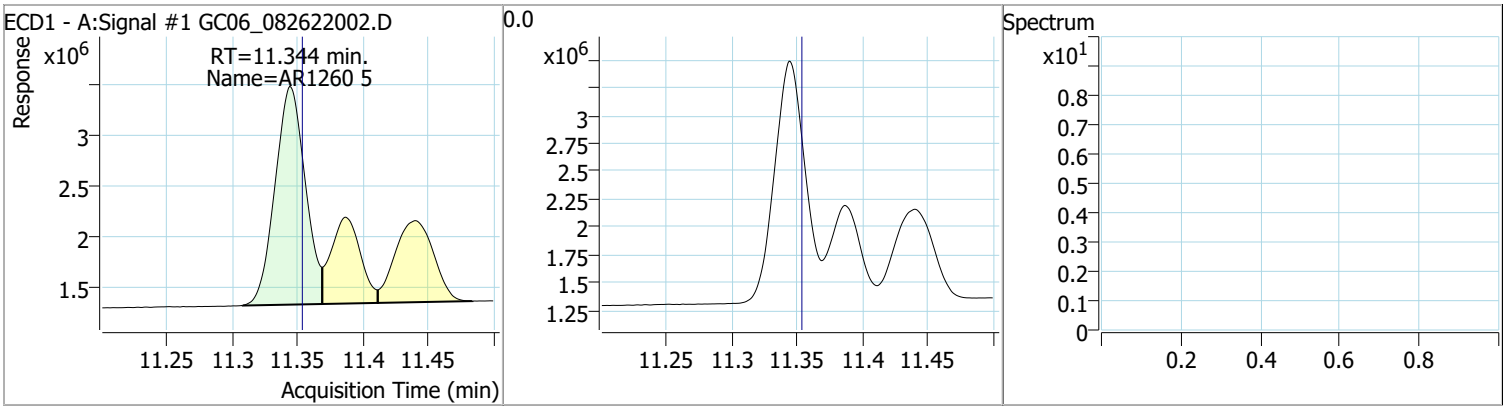
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	570.9931	10.61	0.00	2746637				



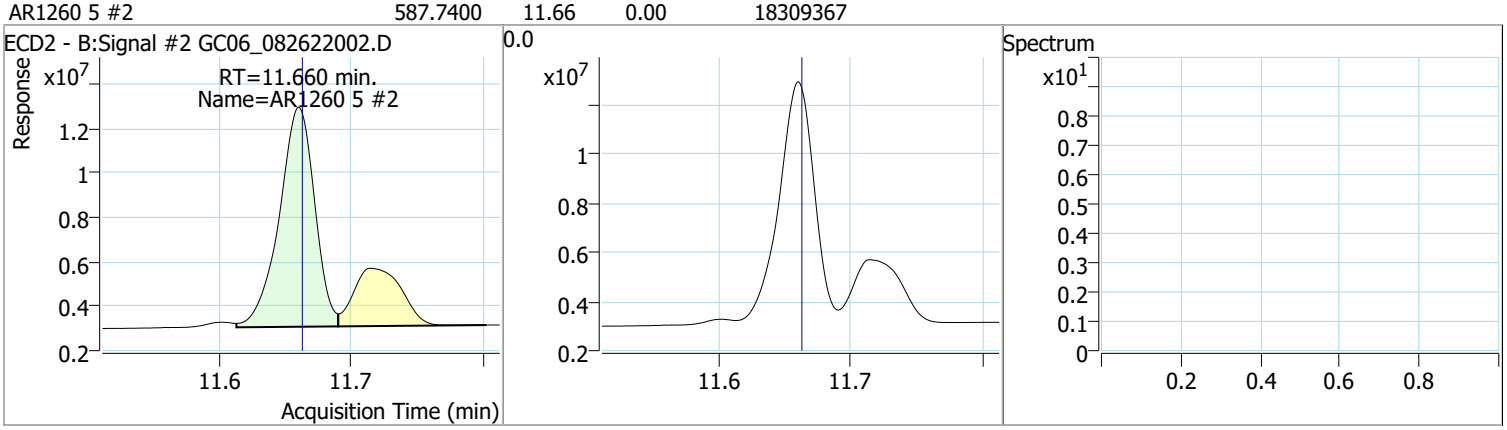
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	558.2012	10.98	0.00	11794602				



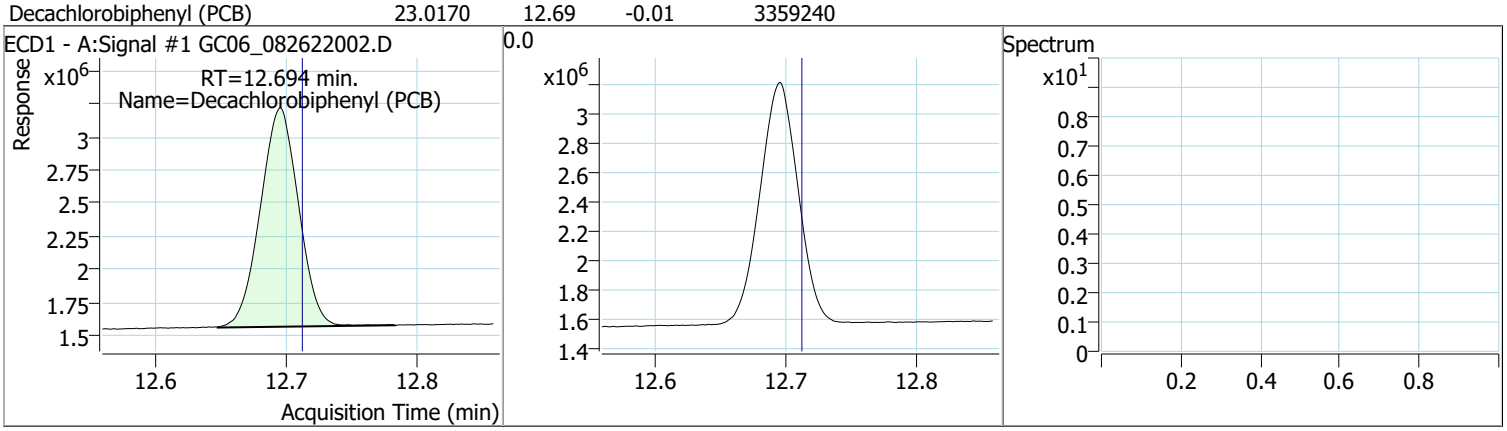
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	548.7437	11.34	0.00	3493608				



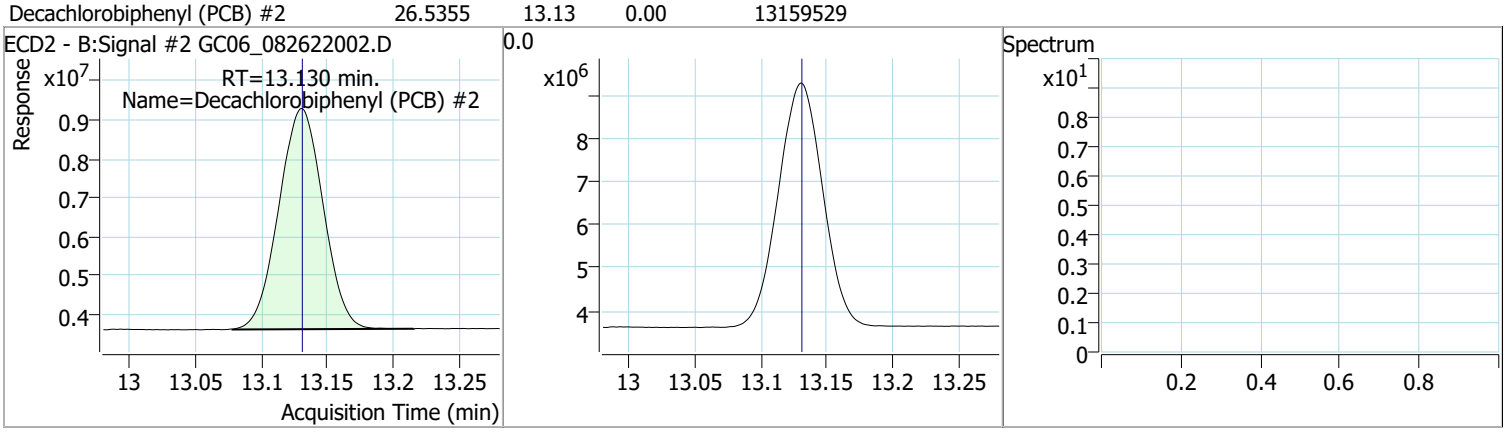
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	587.7400	11.66	0.00	18309367				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	23.0170	12.69	-0.01	3359240				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	26.5355	13.13	0.00	13159529				



ENTHALPY CONTINUING CALIBRATION FOR 467771 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	452348138002	File:	gc06_082922002	Time:	29-AUG-2022 18:18
Cal:	452150634002	Caldate:	14-APR-2022		

Standards: S17055

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	462.3	ug/L	-8	15	0.0000	
Aroclor-1260	A			500.0	437.3	ug/L	-13	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.5203	1.2581	20.00	16.55	ug/L	**-17**	15	0.0000	c-
TCMX (PCB)	A	0.9618	1.6406	20.00	34.12	ug/L	**71**	15	0.0000	c+
Aroclor-1016	B			500.0	483.7	ug/L	-3	15	0.0000	
Aroclor-1260	B			500.0	476.2	ug/L	-5	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2065	1.2644	20.00	20.96	ug/L	5	15	0.0000	
TCMX (PCB)	B	0.9158	1.6365	20.00	35.74	ug/L	**79**	15	0.0000	c+

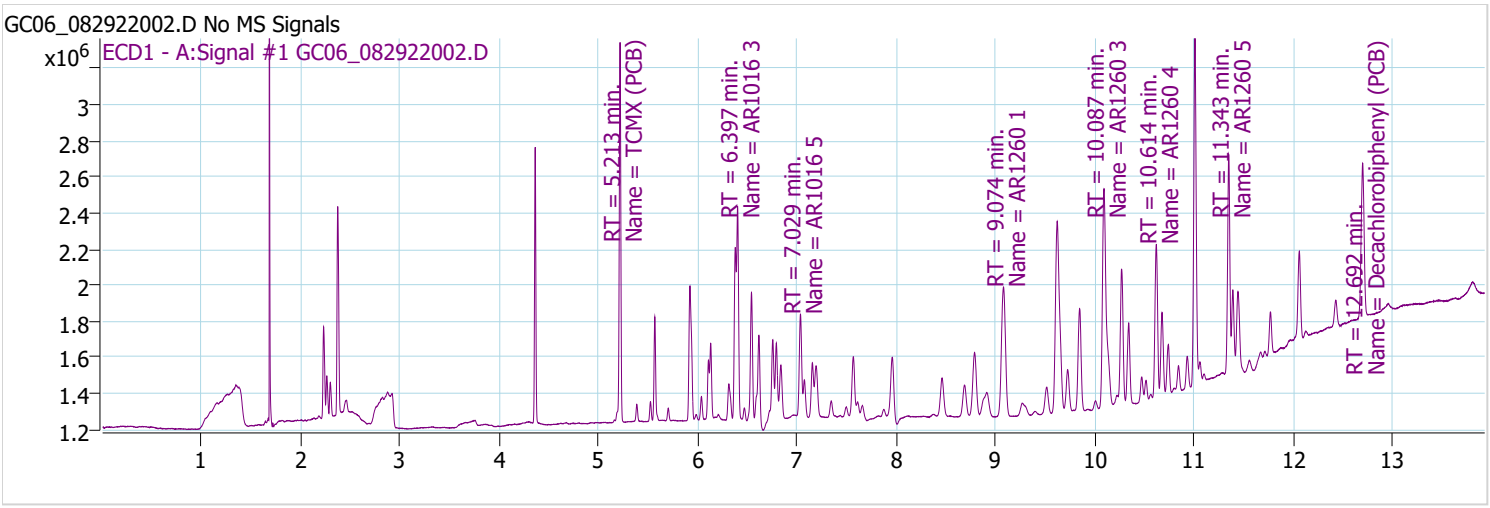
ISTD (ICAL gc06_041422016)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	6493014	4927157	-24.12
1-bromo-2-nitrobenzene (PCB)	A	1831488	1411407	-22.94

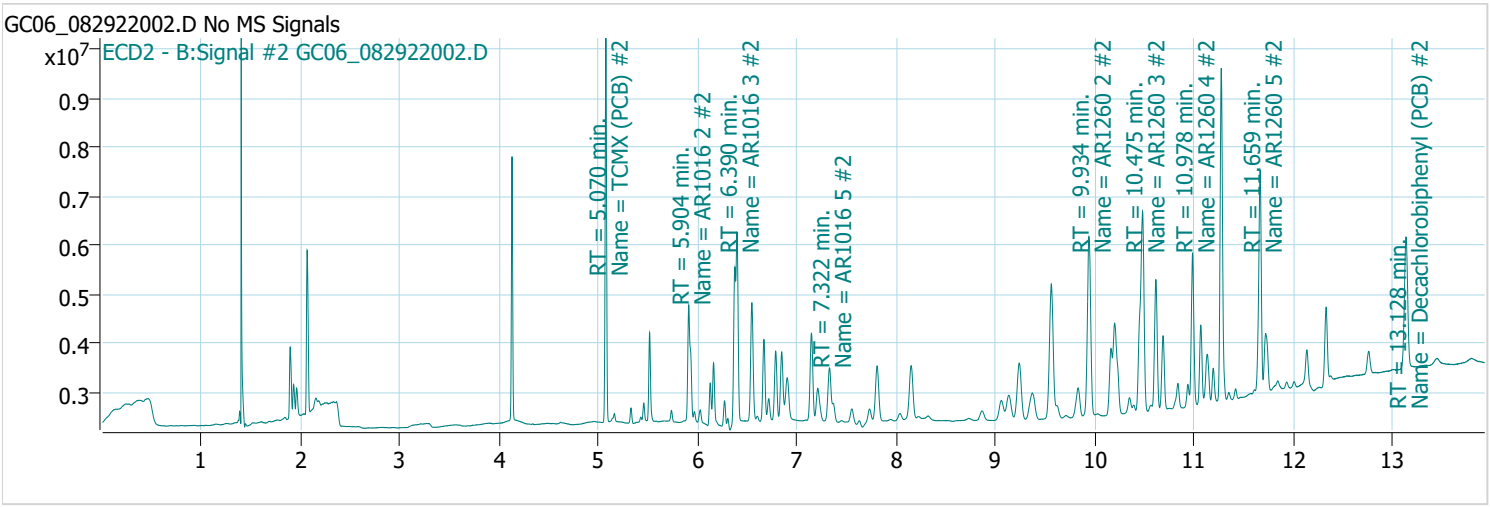
+=high bias -=low bias c=CCV

Analyst: TRN 08/30/22 **Reviewer:** SLL 08/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_082922002.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	8/29/2022 6:18:06 PM
Sample Name	CCV, S17055	Instrument	SVOA-GC06
Vial	144	Multiplier	1.00
DA Method File	PCB_608_072822_GC06_4.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	082922PCB.batch.bin	Last Calib Update	4/15/2022 10:54:57 AM
Ref Library			



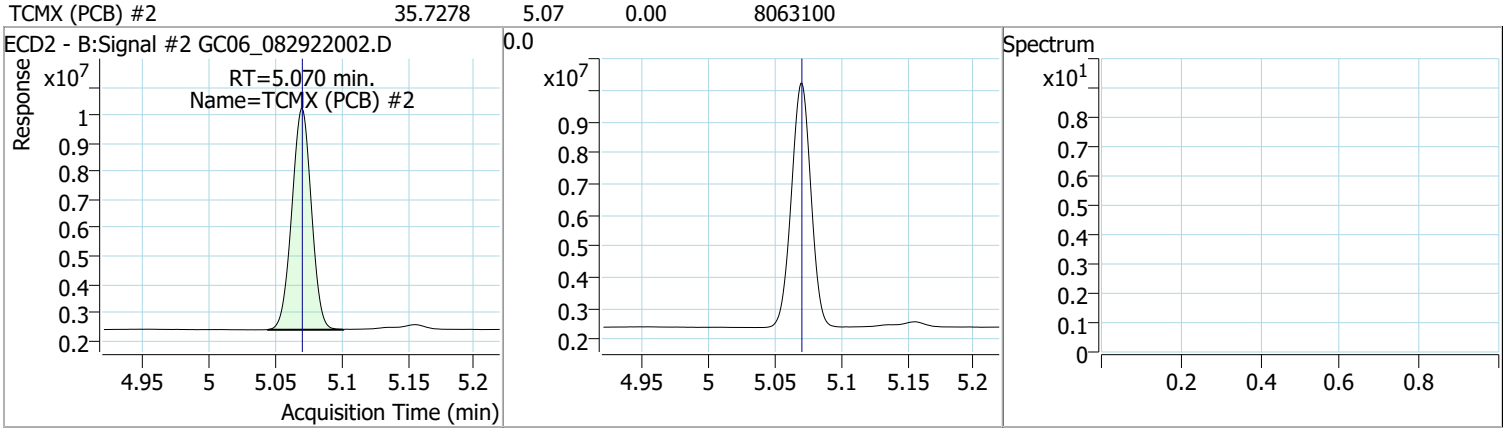


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	4.124	0.0	4927156.631	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB)	4.358	0.0	1411407.497	20.0000	ng/ml		0.002
System Monitoring Compounds							
S TCMX (PCB) #2	5.070	0.0	8063099.764	35.7278	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 178.64%		*	
S TCMX (PCB)	5.213	0.0	2315570.401	34.1081	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 170.54%		*	
S Decachlorobiphenyl (PCB)	12.692	0.0	1775662.084	16.5462	ng/ml		-0.014
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 82.73%			
S Decachlorobiphenyl (PCB) #2	13.128	0.0	6229660.647	20.9531	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 104.77%			
Target Compounds							QValue

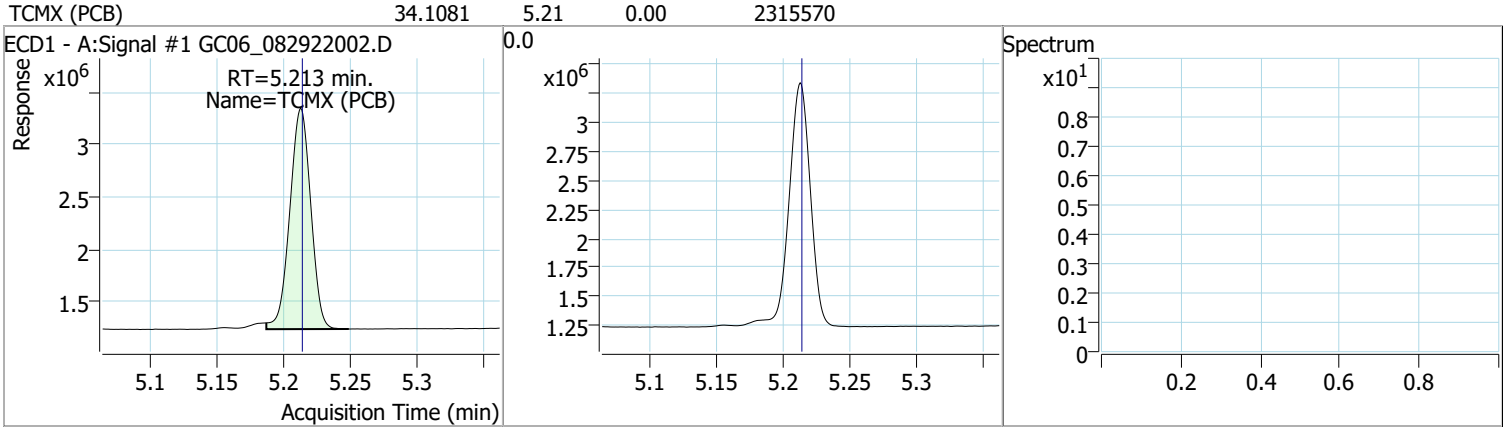
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.510	0.0	2258930.025	489.5678	ng/ml	100
T AR1016 1	5.563	0.0	662806.219	480.0840	ng/ml	100
T AR1016 2 #2	5.904	0.0	4757430.889	496.8351	ng/ml	100
T AR1016 2	5.917	0.0	1343504.881	446.9276	ng/ml	100
T AR1016 3 #2	6.390	0.0	6164155.217	488.1286	ng/ml	100
T AR1016 3	6.397	0.0	1665295.966	470.7059	ng/ml	100
T AR1016 4	6.536	0.0	1136698.563	429.3438	ng/ml	100
T AR1016 4 #2	6.540	0.0	4189686.227	489.0288	ng/ml	100
T AR1016 5	7.029	0.0	991377.102	484.0756	ng/ml	100
T AR1016 5 #2	7.322	0.0	3043102.440	454.3182	ng/ml	100
T AR1260 1	9.074	0.0	2037821.931	458.7880	ng/ml	100
T AR1260 1 #2	9.556	0.0	7815675.346	524.1026	ng/ml	100
T AR1260 2	9.615	0.0	3132728.660	457.9120	ng/ml	100
T AR1260 2 #2	9.934	0.0	8549342.589	496.1628	ng/ml	100
T AR1260 3	10.087	0.0	2957385.099	415.8289	ng/ml	100
T AR1260 3 #2	10.475	0.0	11200567.709	478.4480	ng/ml	100
T AR1260 4	10.614	0.0	1544442.238	436.6487	ng/ml	100
T AR1260 4 #2	10.978	0.0	5486288.297	433.0938	ng/ml	100
T AR1260 5	11.343	0.0	1951101.644	416.7794	ng/ml	100
T AR1260 5 #2	11.659	0.0	8378896.686	448.6365	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

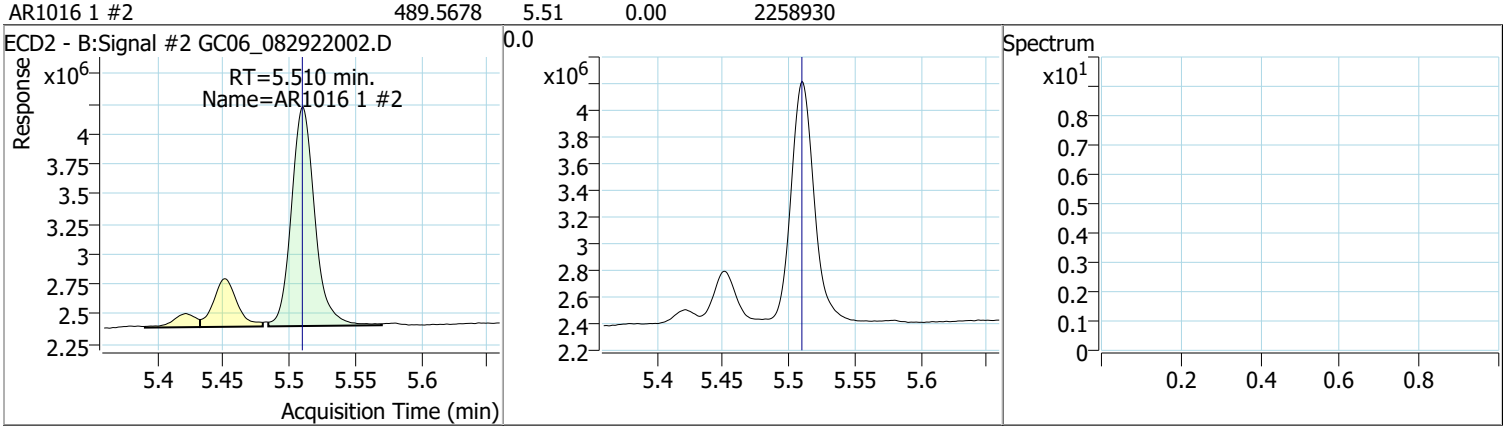
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	35.7278	5.07	0.00	8063100				



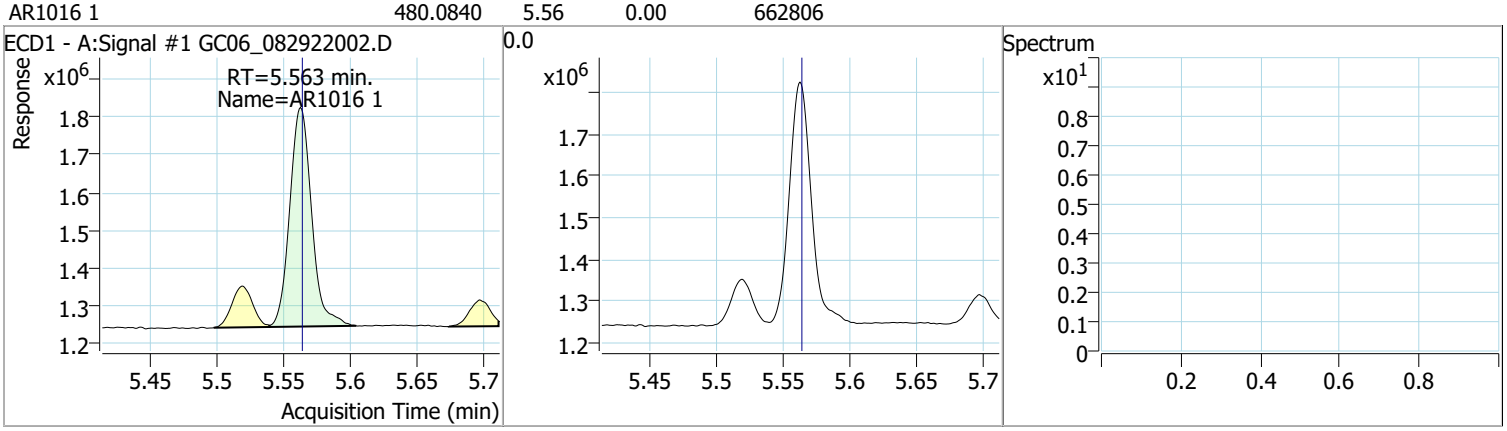
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	34.1081	5.21	0.00	2315570				



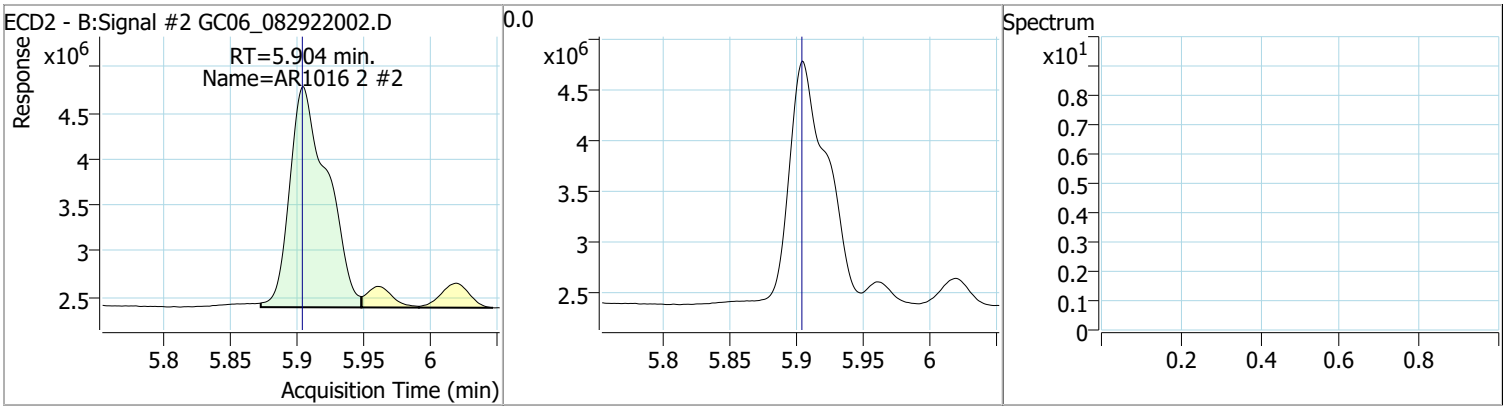
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	489.5678	5.51	0.00	2258930				



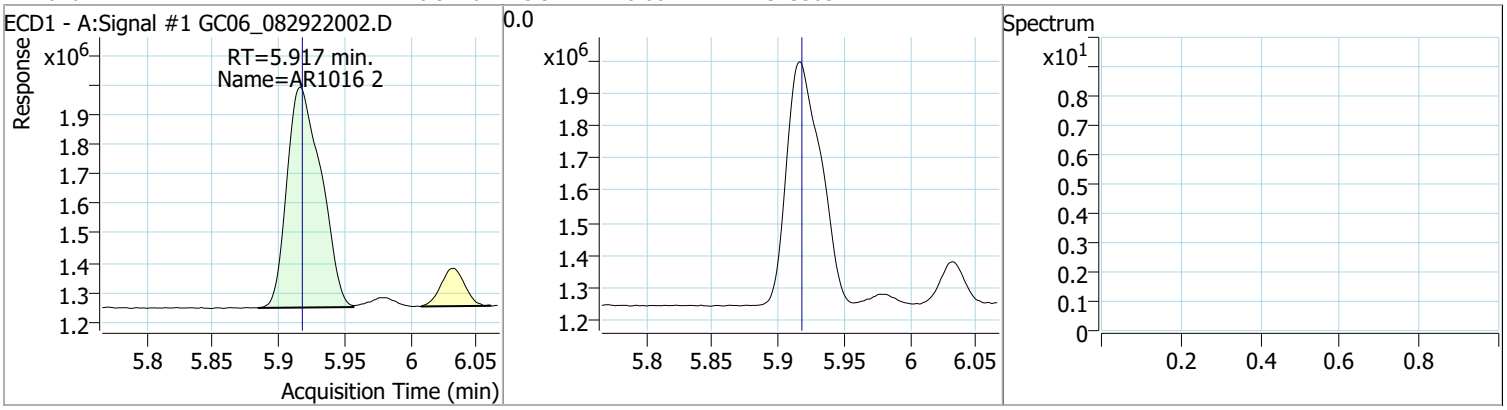
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	480.0840	5.56	0.00	662806				



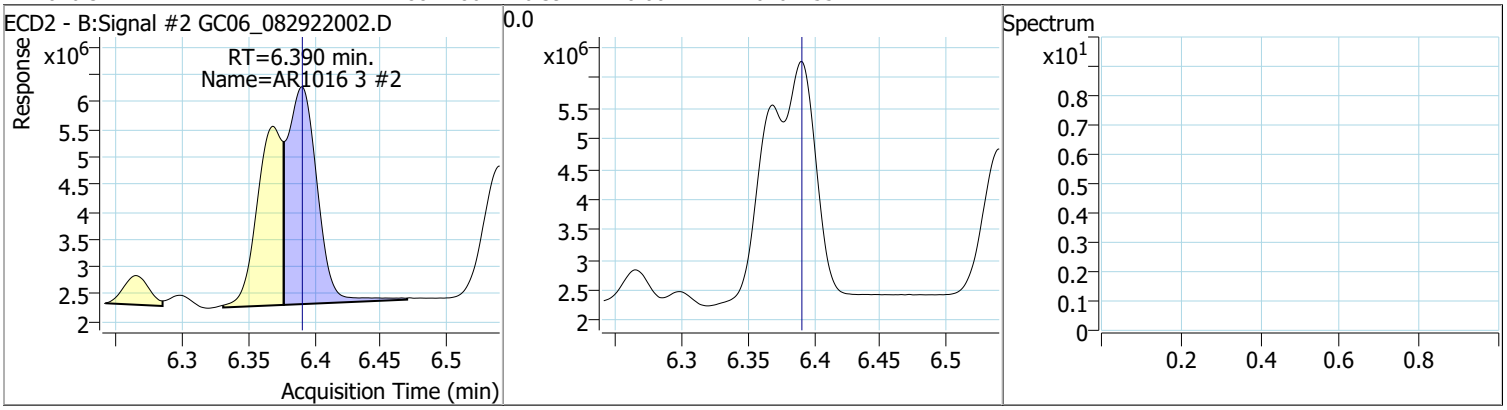
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	496.8351	5.90	0.00	4757431				



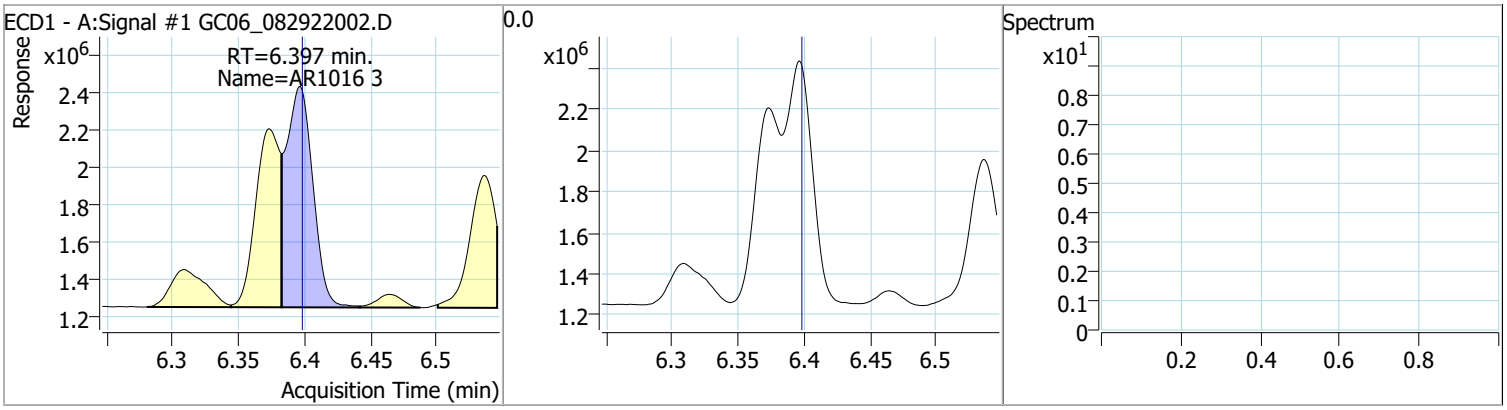
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	446.9276	5.92	0.00	1343505				



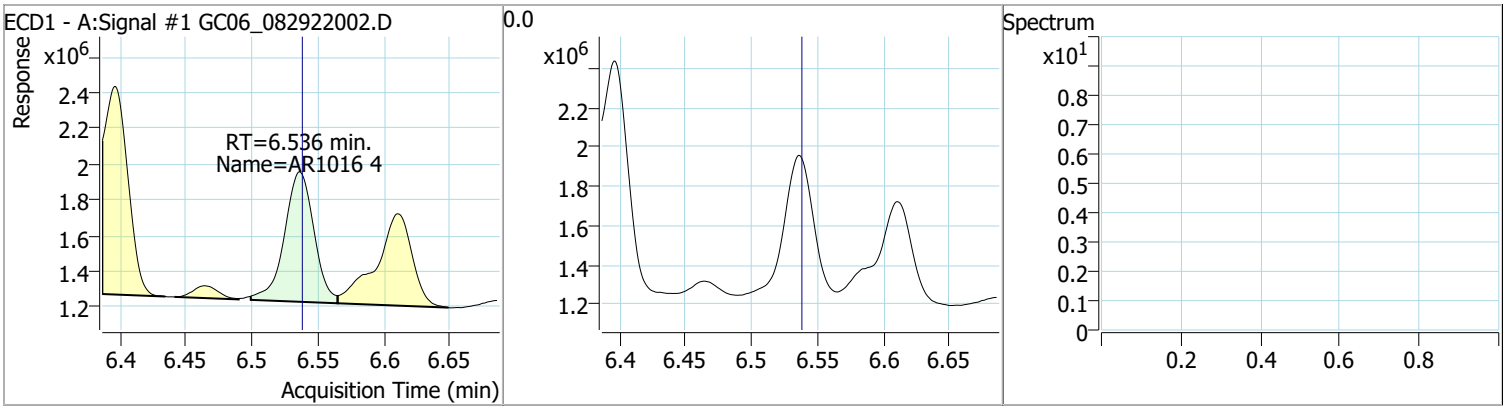
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	488.1286	6.39	0.00	6164155				



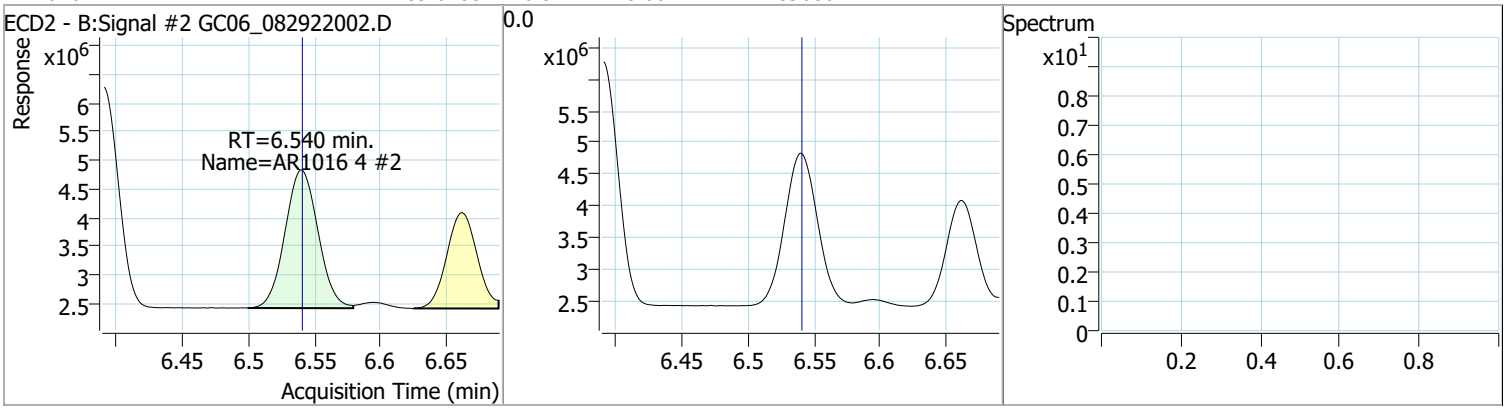
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	470.7059	6.40	0.00	1665296				



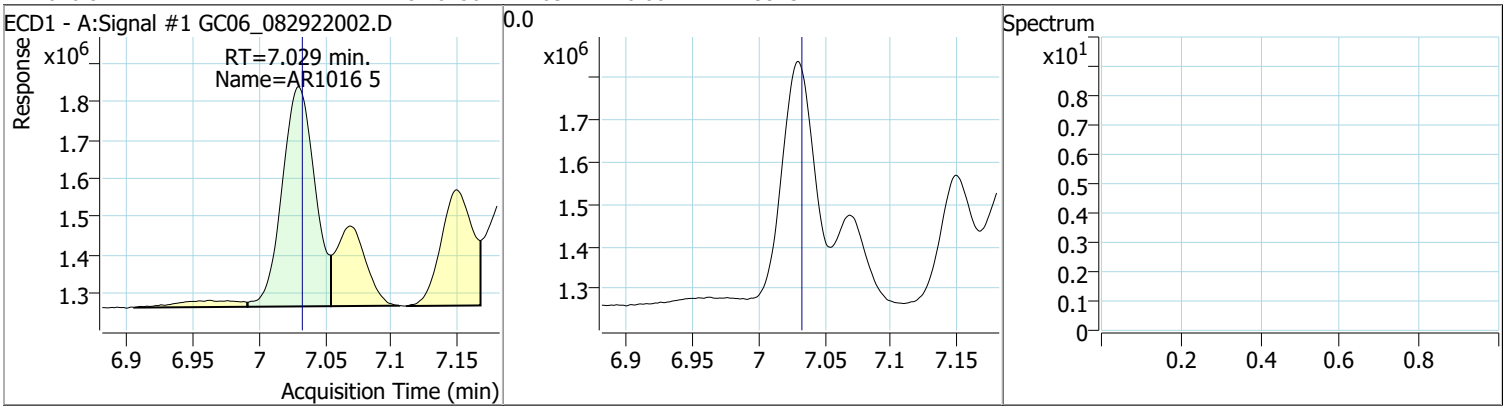
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	429.3438	6.54	0.00	1136699				



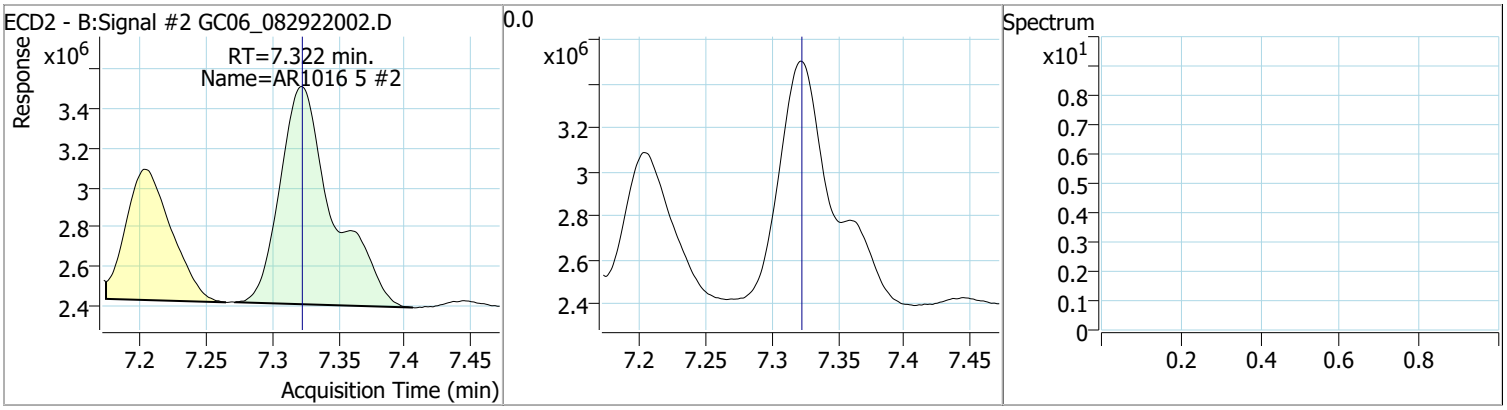
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	489.0288	6.54	0.00	4189686				



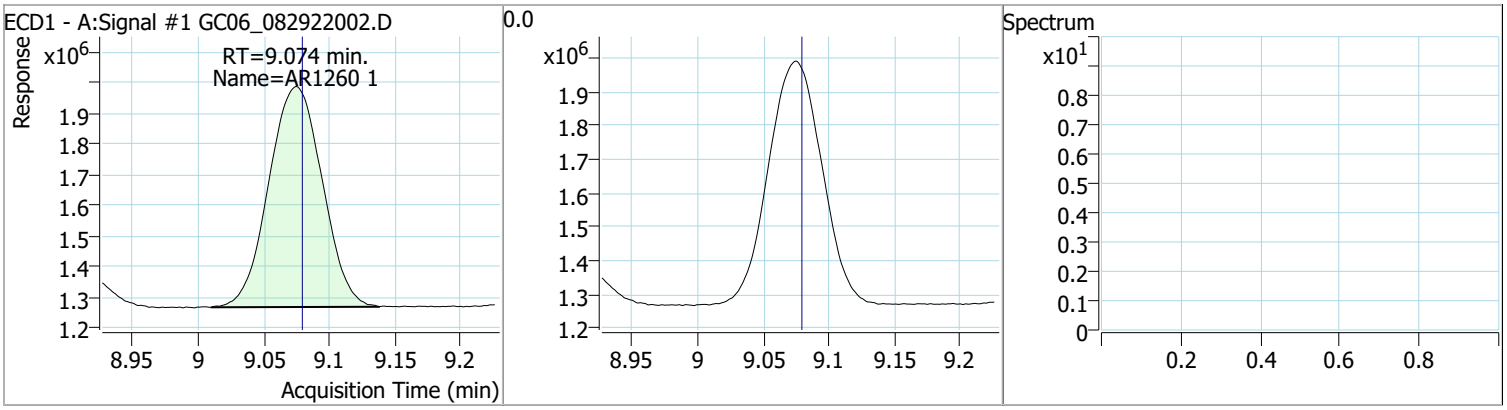
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	484.0756	7.03	0.00	991377				



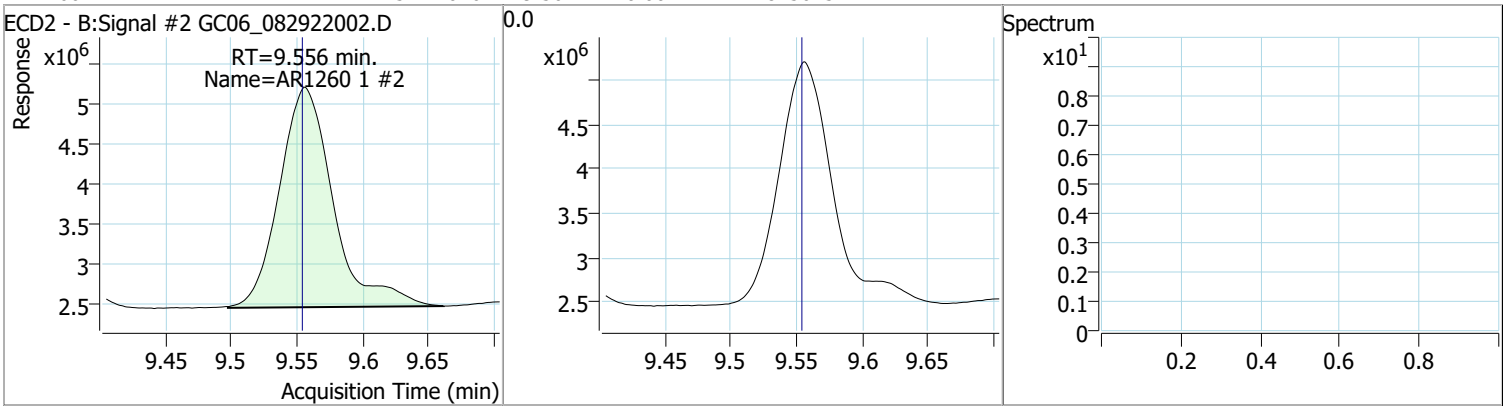
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	454.3182	7.32	0.00	3043102				



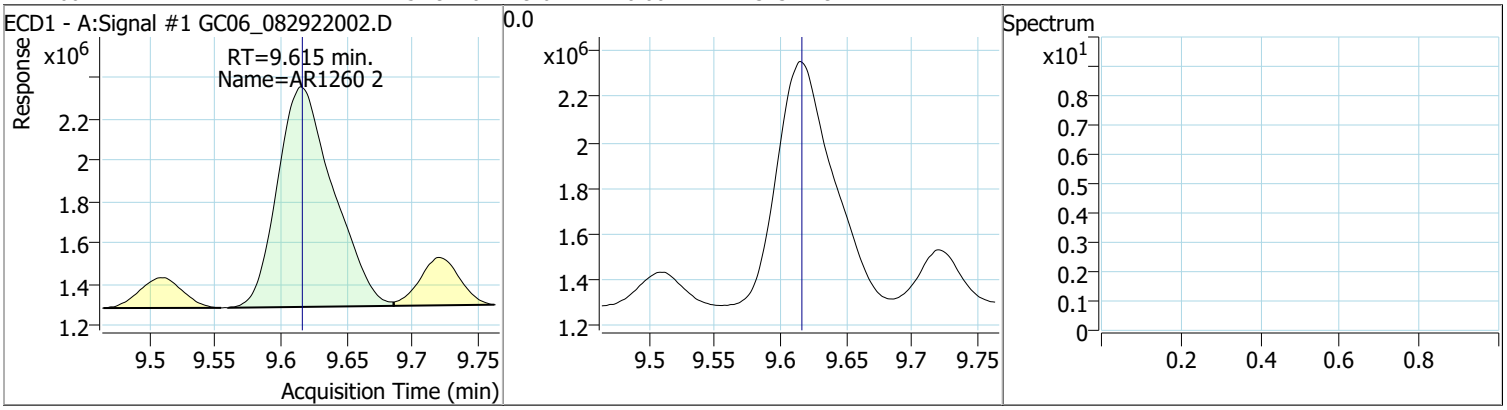
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	458.7880	9.07	0.00	2037822				



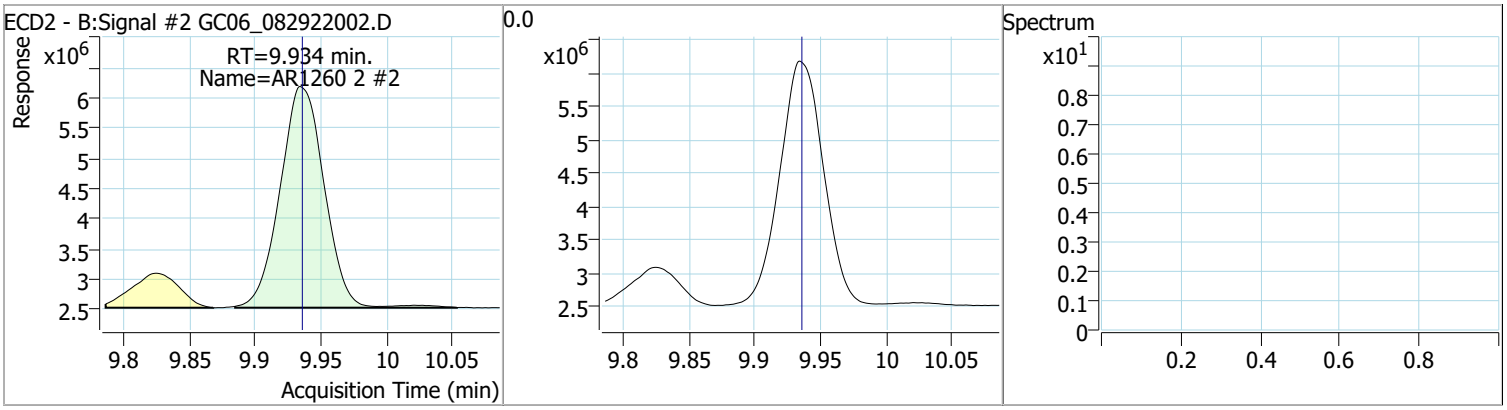
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	524.1026	9.56	0.00	7815675				



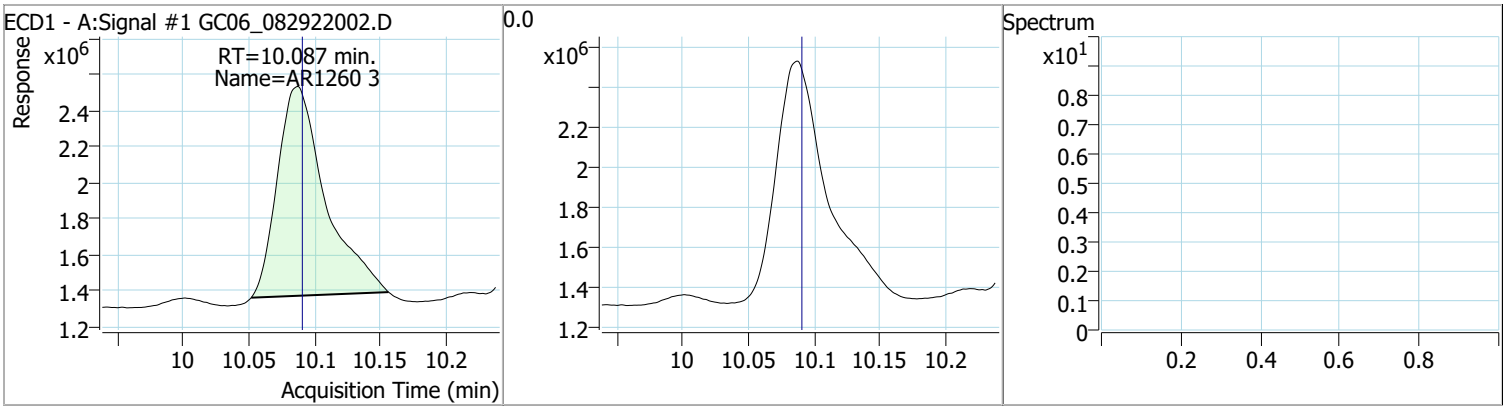
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	457.9120	9.62	0.00	3132729				



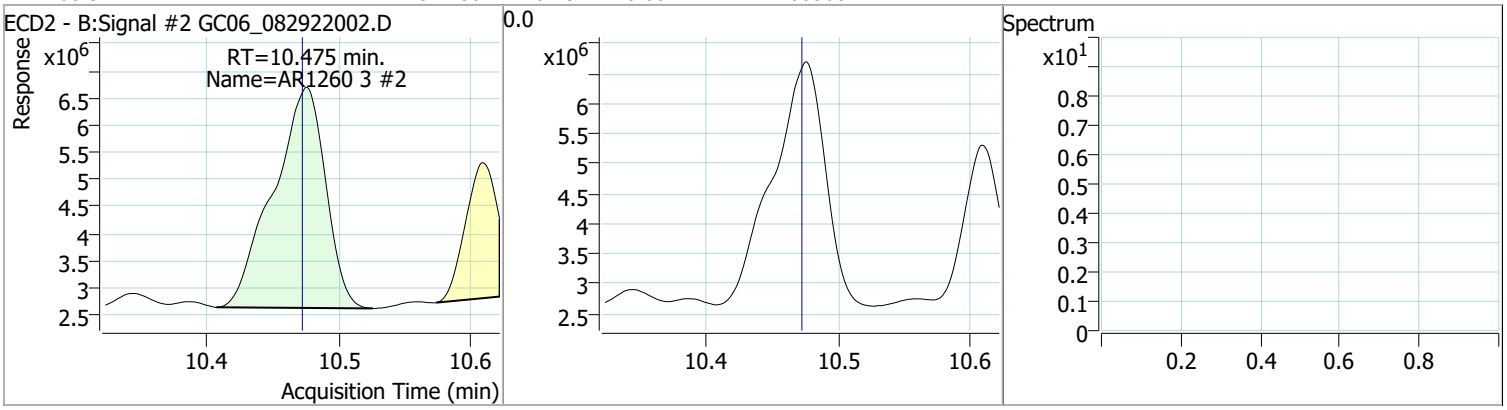
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	496.1628	9.93	0.00	8549343				



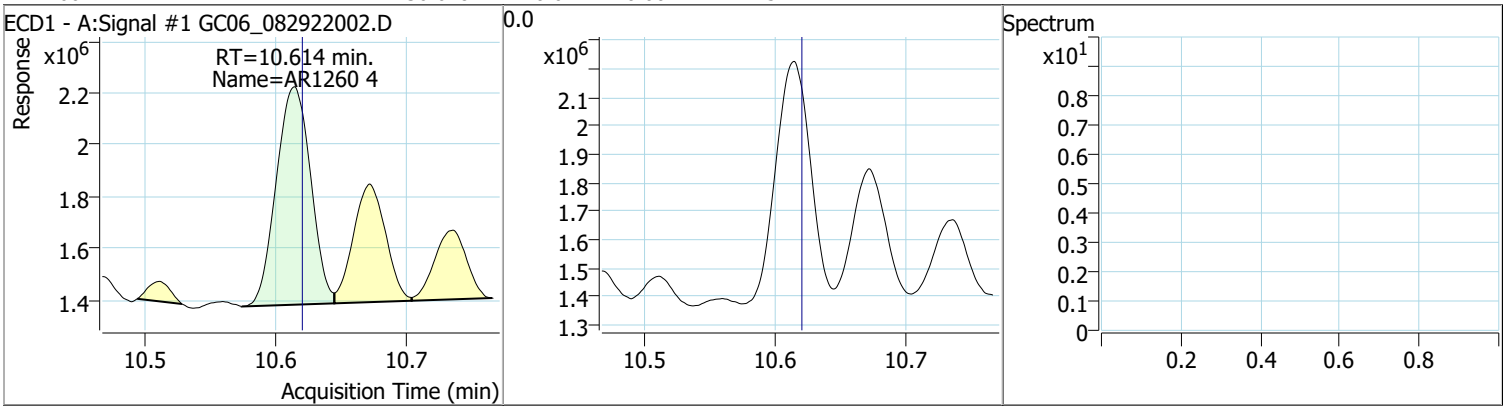
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	415.8289	10.09	0.00	2957385				



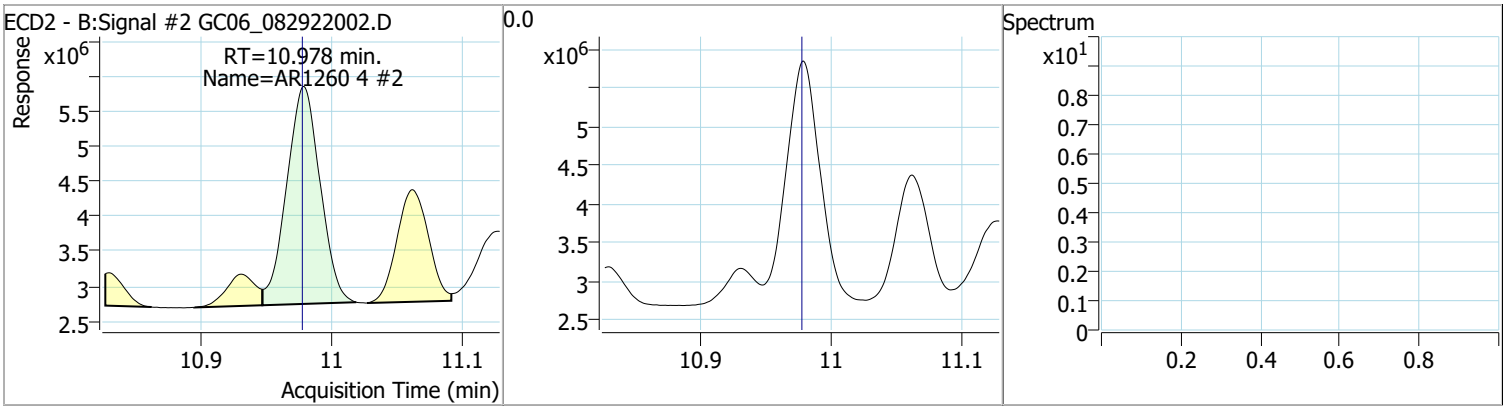
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	478.4480	10.48	0.00	11200568				



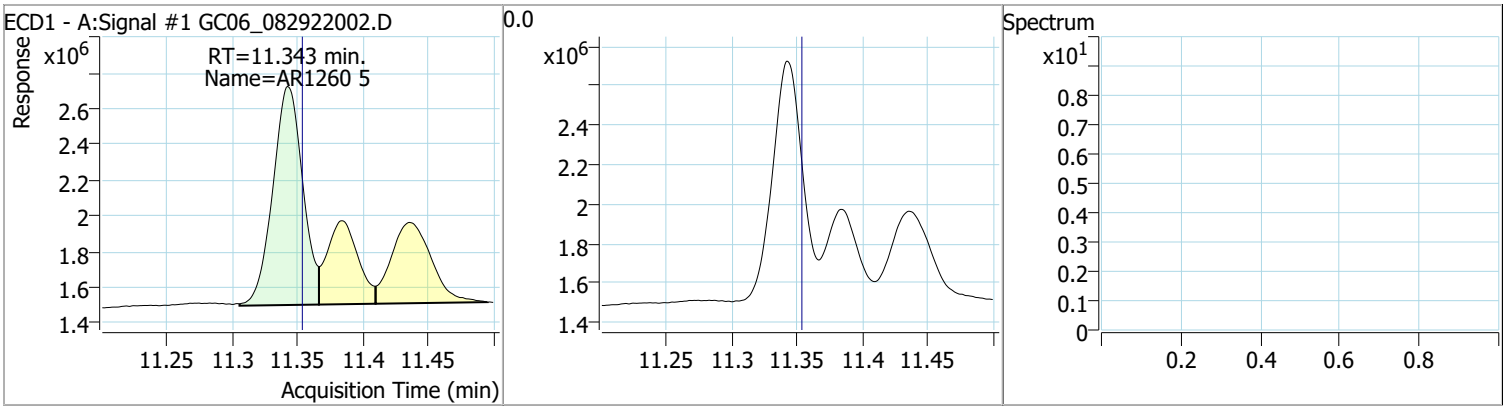
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	436.6487	10.61	0.00	1544442				



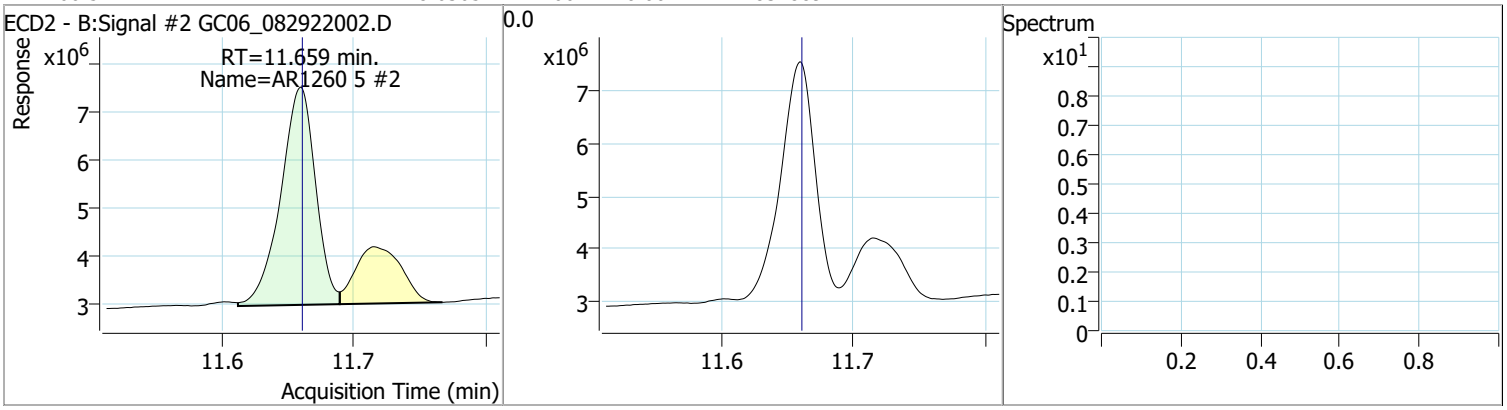
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	433.0938	10.98	0.00	5486288				



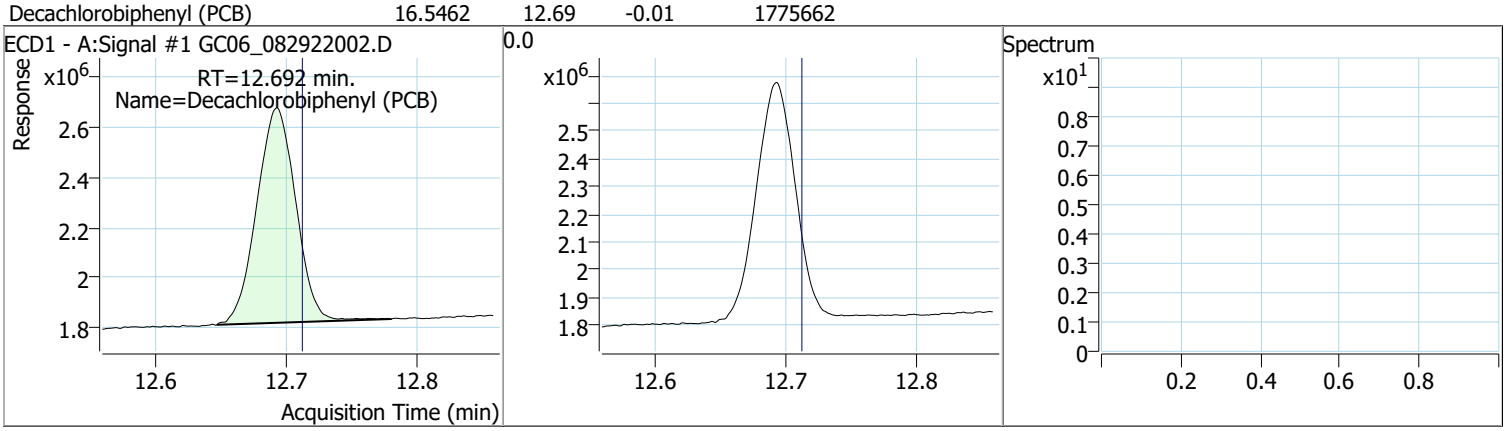
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	416.7794	11.34	-0.01	1951102				



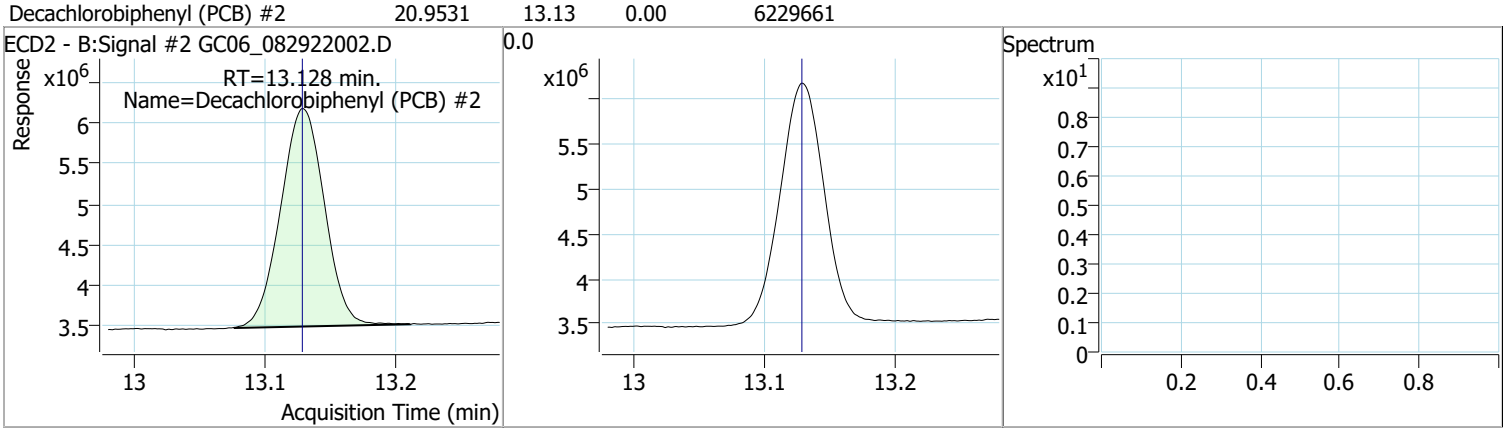
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	448.6365	11.66	0.00	8378897				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	16.5462	12.69	-0.01	1775662				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	20.9531	13.13	0.00	6229661				



Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 467771
Report Level: IV
Report Date: 01/05/2023

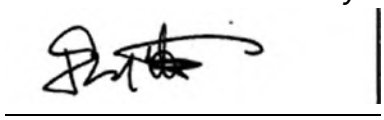
Metals

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	467771
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	08/22/22

Sample ID	Lab ID	Collected	Matrix
DOOR-N-0.3GE-PS-20-220822-L-LA	467771-002	08/22/22 10:26	Wipe
DOOR-N-0.4GE-PS-20-220822-L-G	467771-004	08/22/22 10:41	Wipe
ARCH-C1E-EXT-5 TO 6-220822-L-WF	467771-006	08/22/22 10:22	Wipe
DOOR-N-0.2GE-PS-19-220822-L-G	467771-008	08/22/22 11:10	Wipe

Case Narrative

METALS (EPA 6010B)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 467771 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 08/22/22

This data package contains sample and QC results for four wipe samples, requested for the above referenced project on 08/23/22. See attached cooler receipt form for any sample receipt problems or discrepancies.

Metals (EPA 6010B):

No analytical problems were encountered.

Chain of Custody

467771 JG

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other
Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation
Report PCB concentrations on a µg/100cm² basis
Report lead concentrations on a µg/ft² basis
Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure A

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	
~~16~~	~~AFRAME-C1E-MED-L1-HS-2-2208 -L-~~	~~8/ /2022~~		~~WP~~	~~1~~			~~X~~		~~MK~~
~~17~~	~~AFRAME-C1E-LAT-L1-EXT-0 TO 1-2208 -P-~~	~~8/ /2022~~		~~WP~~	~~1~~		~~X~~			~~MK~~
~~18~~	~~AFRAME-C1E-LAT-L1-EXT-0 TO 1-2208 -L-~~	~~8/ /2022~~		~~WP~~	~~1~~			~~X~~		~~MK~~
19	DOOR-N-0.3GE-~~DG-7 TO~~ PS- 20-20220822-P- LA	8/22/2022	1026	WP	1		X			
20	DOOR-N-0.3GE-~~DG-7 TO~~ PS- 20-20220822-L- LA	8/22/2022	1026	WP	1			X		
21	DOOR-N-0.4GE-PS-20-20220822-P- GA	8/22/2022	1041	WP	1		X			
22	DOOR-N-0.4GE-PS-20-20220822-L- GA	8/22/2022	1041	WP	1			X		6 x Type 2 Rivets = 0.0600ft²
23	ARCH-C1E-EXT-5 TO 6-20220822-P- WF	8/22/2022	1022	WP	1		X			
24	ARCH-C1E-EXT-5 TO 6-20220822-L- WF	8/22/2022	1022	WP	1			X		
25	DOOR-N-0.2GE-PS-19-2208 22-P- GA	8/22/2022	1110	WP	1		X			
26	DOOR-N-0.2GE-PS-19-2208 22-L- GA	8/22/2022	1110	WP	1			X		6x Type 2 Rivets = 0.0600ft²
~~27~~	~~22080 -P-MEDBLANK~~	~~8/ /2022~~		~~WP~~	~~1~~		~~X~~			~~Collected from High Occupancy zone of Hanagar~~ ~~MK~~
~~28~~	~~22080 -L-MEDBLANK~~	~~8/ /2022~~		~~WP~~	~~1~~			~~X~~		~~Collected from High Occupancy zone of Hanagar~~ ~~MK~~
~~29~~	~~22080 -P-MEDBLANK~~	~~8/ /2022~~		~~WP~~	~~1~~		~~X~~			~~Collected from High Occupancy zone of Hanagar~~ ~~MK~~
~~30~~	~~22080 -L-MEDBLANK~~	~~8/ /2022~~		~~WP~~	~~1~~			~~X~~		~~Collected from High Occupancy zone of Hanagar~~ ~~MK~~

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michaela Kim	Rincon Env Scientist	1350 8/22/22
[1] Received By:	Andrew Hudson	Andrew Hudson	ENTHALPY	1:50 8/22/22
[2] Relinquished By:	Rudney Hudson	"	"	16:14 8/22/22
[2] Received By:		Logged From Cyanide	BA EA CA	8/22/22 16:14 8/22/22 17:45
[3] Relinquished By:				8/23/2022 08:30
[3] Received By:				

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 46771 Client: Rincon

Date Received: 8.22.22 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☐ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 8.22 By (print) JH (sign) JH

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☐ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: 1.2, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	–		
Were Method 5035 sampling containers present?		–	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	–		
Are there any missing / extra samples?		–	
Are samples in the appropriate containers for indicated tests?	–		
Are sample labels present, in good condition and complete?	–		
Does the container count match the COC?	–		
Do the sample labels agree with custody papers?	–		
Was sufficient amount of sample sent for tests requested?	–		
Did you change the hold time in LIMS for unpreserved VOAs?			–
Did you change the hold time in LIMS for preserved terracores?			–
Are bubbles > 6mm present in VOA samples?			–
Was the client contacted concerning this sample delivery?		–	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 8-22 **By (print)** MAY **(sign)** _____

Date Labeled 8-22 **By (print)** JH **(sign)** JH

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants, Inc. Project: Hangar 1 - NCTRA WP

Date Received: 8/23/2022 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.8 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: Greyhound

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☑ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.9 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Yanin Date: ~~8/23/2022~~ nt 8/23/2022 8/23/2022

9/5.8

c/0.9

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 2 of 4

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
16	~~AFRAME-C1E-MED-L1-HS-2-2208 -L~~	8/ /2022		WP	1			X		MK
17	~~AFRAME-C1E-LAT-L1-EXT-0 TO 1-2208 -P-~~	8/ /2022		WP	1		X			MK
18	~~AFRAME-C1E-LAT-L1-EXT-0 TO 1-2208 -L-~~	8/ /2022		WP	1			X		MK
19	DOOR-N-0.3GE-~~PS-1 TO~~ 20-202208**22**-P- LA	8/**22**/2022	1026	WP	1		X			
20	DOOR-N-0.3GE-~~PS-1 TO~~ 20-202208**22**-L- LA	8/**22**/2022	1026	WP	1			X		
21	DOOR-N-0.4GE-PS-20-202208**22**-P- GT	8/**22**/2022	1041	WP	1		X			
22	DOOR-N-0.4GE-PS-20-202208**22**-L- GT	8/**22**/2022	1041	WP	1			X		6x Type 2 Rivets = 0.0600ft2
23	ARCH-C1E-EXT-5 TO 6-202208**22**-P- WF	8/**22**/2022	1022	WP	1		X			
24	ARCH-C1E-EXT-5 TO 6-202208**22**-L- WF	8/**22**/2022	1022	WP	1			X		
25	DOOR-N-0.2GE-PS-19-2208**22**-P- GT	8/**22**/2022	1110	WP	1		X			
26	DOOR-N-0.2GE-PS-19-2208**22**-L- GT	8/**22**/2022	1110	WP	1			X		6x Type 2 Rivets = 0.0600ft2
27	~~22080 -P-MEDBLANK~~	8/ /2022		WP	1		X			~~Collected from High Occupancy zone of Hangar~~ MK
28	22080 -L-MEDBLANK	8/ /2022		WP	1			X		~~Collected from High Occupancy zone of Hangar~~ MK
29	~~22080 -P-MEDBLANK~~	8/ /2022		WP	1		X			~~Collected from High Occupancy zone of Hangar~~ MK
30	~~22080 -L-MEDBLANK~~	8/ /2022		WP	1			X		~~Collected from High Occupancy zone of Hangar~~ MK

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michaela Kim	Rincon/Env Scientist	1350 7/22/22
[1] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	1:50 8/22/22
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

CamScanner

Results & QC Summary

ENTHALPY ANALYTICAL

Lead

Lab #: 467771 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.3GE-PS-20-220822-L-LA **Batch#:** 295524 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/22/22 **Analysis:** EPA 6010B
Lab ID: 467771-002 **Received:** 08/22/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/23/22
Dln Fac: 1.000 **Analyzed:** 08/23/22

467771-002 Analyte	Result	RL	Units
Lead	**29**	0.50	ug/ft2

Field ID: DOOR-N-0.4GE-PS-20-220822-L-G **Batch#:** 295524 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/22/22 **Analysis:** EPA 6010B
Lab ID: 467771-004 **Received:** 08/22/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/23/22
Dln Fac: 1.000 **Analyzed:** 08/23/22

467771-004 Analyte	Result	RL	Units
Lead	**18**	0.47	ug/ft2

Field ID: ARCH-C1E-EXT-5 TO 6-220822-L-WF **Batch#:** 295524 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/22/22 **Analysis:** EPA 6010B
Lab ID: 467771-006 **Received:** 08/22/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/23/22
Dln Fac: 1.000 **Analyzed:** 08/23/22

467771-006 Analyte	Result	RL	Units
Lead	**53**	0.50	ug/ft2

Field ID: DOOR-N-0.2GE-PS-19-220822-L-G **Batch#:** 295524 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/22/22 **Analysis:** EPA 6010B
Lab ID: 467771-008 **Received:** 08/22/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/23/22
Dln Fac: 1.000 **Analyzed:** 08/23/22

467771-008 Analyte	Result	RL	Units
Lead	**26**	0.47	ug/ft2

Type: BLANK **Batch#:** 295524 **Analysis:** EPA 6010B
Lab ID: QC1008205 **Prepared:** 08/23/22 **Analyst:** KLN
Matrix: Wipe **Analyzed:** 08/23/22
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1008205 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 467771 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 295524 **Analysis:** EPA 6010B

Lab ID: QC1008206 **Prepared:** 08/23/22 **Analyst:** KLN

Matrix: Wipe **Analyzed:** 08/23/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1008206 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	104.6	105	80-120	ug/ft2

Type: BSD **Batch#:** 295524 **Analysis:** EPA 6010B

Lab ID: QC1008207 **Prepared:** 08/23/22 **Analyst:** KLN

Matrix: Wipe **Analyzed:** 08/23/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1008207 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	102.6	103	80-120	ug/ft2	2	20

Legend

RPD: Relative Percent Difference

REPORTING SUMMARY FOR 467771 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	PB	
467771-002	MET06	08/23/22 13:32	1.0	+	
467771-004	MET06	08/23/22 13:35	1.0	+	
467771-006	MET06	08/23/22 13:38	1.0	+	
467771-008	MET06	08/23/22 13:48	1.0	+	
QC1008205	MET06	08/23/22 13:09	1.0	+	
QC1008206	MET06	08/23/22 13:12	1.0	+	
QC1008207	MET06	08/23/22 13:15	1.0	+	

Enthalpy Sequence Summary for Sequence 482338973

Instrument : MET06 Begun : 08/23/22 09:33
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master	ICALBLK	CALBLANK			08/23/22 09:33	1.0	1	
002	met06_master	ICAL	L1			08/23/22 09:37	1.0	2 1	
003	met06_master	ICAL	L2			08/23/22 09:40	1.0	3 1	
004	met06_master	ICAL	L3			08/23/22 09:43	1.0	4 1	
005	met06_master	ICAL	L4			08/23/22 09:46	1.0	5 1	
006	met06_master	ICAL	L5			08/23/22 09:50	1.0	6 1	
007	met06_master	ICAL	L6			08/23/22 09:53	1.0	7 1	
008	met06_master	ICAL	L7			08/23/22 09:56	1.0	8 1	
009	met06_master	ICAL	L8			08/23/22 10:00	1.0	9 1	
010	met06_master	ICV				08/23/22 10:03	1.0	10 1	
011	met06_master	CRI				08/23/22 10:06	1.0	11 1	
012	met06_master	ICB				08/23/22 10:10	1.0	1	
013	met06_master	ICSA				08/23/22 10:13	1.0	12 1	4:MGASMGCO3=1400
014	met06_master	ICSAB				08/23/22 10:16	1.0	13 1	4:MGASMGCO3=1400
015	met06_master	BS	QC1007818	Soil	295419	08/23/22 10:19	1.0	1	
016	met06_master	BSD	QC1007819	Soil	295419	08/23/22 10:23	1.0	1	
017	met06_master	SAMPLE	467401-001	Water	295313	08/23/22 10:26	1.0	1	2:K=4800
018	met06_master	LCS	QC1007951	TCLP Leachate	295454	08/23/22 10:31	1.0	1	
019	met06_master	SAMPLE	467595-001	Miscell.	295415	08/23/22 10:34	1.0	1	1:AL=2900
020	met06_master	LCS	QC1007812	Soil	295416	08/23/22 10:37	1.0	1	
021	met06_master	SAMPLE	467519-022	Soil	295416	08/23/22 10:41	1.0	1	
022	met06_master	SAMPLE	467519-024	Soil	295416	08/23/22 10:44	1.0	1	1:FE=160
023	met06_master	CCV				08/23/22 10:48	1.0	10 1	
024	met06_master	CCB				08/23/22 10:52	1.0	1	
025	met06_master	SAMPLE	467519-027	Soil	295416	08/23/22 10:55	1.0	1	
026	met06_master	SAMPLE	467519-039	Soil	295416	08/23/22 10:58	1.0	1	
027	met06_master	SAMPLE	467519-043	Soil	295416	08/23/22 11:01	1.0	1	
028	met06_master	CCV				08/23/22 11:05	1.0	10 1	
029	met06_master	CCB				08/23/22 11:08	1.0	1	
030	met06_master	BLANK	QC1008177	Water	295517	08/23/22 11:29	1.0	1	
031	met06_master	LCS	QC1008178	Water	295517	08/23/22 11:33	1.0	1	
032	met06_master	SAMPLE	467758-002	Sea Water	295517	08/23/22 11:36	1.0	1	4:NA=3500
033	met06_master	MSS	467782-001	Water	295517	08/23/22 11:39	1.0	1	2:NA=1100
034	met06_master	MS	QC1008179	Water	295517	08/23/22 11:42	1.0	1	2:NA=1000
035	met06_master	MSD	QC1008180	Water	295517	08/23/22 11:46	1.0	1	2:NA=1000
036	met06_master	BLANK	QC1008181	Wipe	295518	08/23/22 11:49	1.0	1	
037	met06_master	CCV				08/23/22 11:54	1.0	10 1	
038	met06_master	CCB				08/23/22 11:57	1.0	1	
039	met06_master	SAMPLE	467519-027	Soil	295416	08/23/22 12:00	1.0	1	
040	met06_master	SAMPLE	467519-039	Soil	295416	08/23/22 12:03	1.0	1	
041	met06_master	SAMPLE	467519-043	Soil	295416	08/23/22 12:07	1.0	1	
042	met06_master	BLANK	QC1008177	Water	295517	08/23/22 12:10	1.0	1	
043	met06_master	LCS	QC1008178	Water	295517	08/23/22 12:13	1.0	1	
044	met06_master	SAMPLE	467758-002	Sea Water	295517	08/23/22 12:16	1.0	1	4:NA=3300
045	met06_master	MSS	467782-001	Water	295517	08/23/22 12:20	1.0	1	2:NA=1100
046	met06_master	MS	QC1008179	Water	295517	08/23/22 12:23	1.0	1	2:NA=1000
047	met06_master	MSD	QC1008180	Water	295517	08/23/22 12:26	1.0	1	2:NA=1000
048	met06_master	BLANK	QC1008181	Wipe	295518	08/23/22 12:29	1.0	1	
049	met06_master	CCV				08/23/22 12:33	1.0	10 1	
050	met06_master	CCB				08/23/22 12:36	1.0	1	
051	met06_master	BS	QC1008182	Wipe	295518	08/23/22 12:39	1.0	1	
052	met06_master	BSD	QC1008183	Wipe	295518	08/23/22 12:42	1.0	1	

Enthalpy Sequence Summary for Sequence 482338973

Instrument : MET06 Begun : 08/23/22 09:33
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met06_master	SAMPLE	467767-002	Wipe	295518	08/23/22 12:46	1.0	1	
054	met06_master	CCV				08/23/22 12:49	1.0	10 1	
055	met06_master	CCB				08/23/22 12:52	1.0	1	
056	met06_master	BLANK	QC1008205	Wipe	295524	08/23/22 13:09	1.0	1	
057	met06_master	BS	QC1008206	Wipe	295524	08/23/22 13:12	1.0	1	
058	met06_master	BSD	QC1008207	Wipe	295524	08/23/22 13:15	1.0	1	
059	met06_master	SAMPLE	467769-002	Wipe	295524	08/23/22 13:19	1.0	1	
060	met06_master	SAMPLE	467769-003	Wipe	295524	08/23/22 13:22	1.0	1	
061	met06_master	SAMPLE	467769-005	Wipe	295524	08/23/22 13:25	1.0	1	
062	met06_master	SAMPLE	467769-006	Wipe	295524	08/23/22 13:28	1.0	1	
063	met06_master	SAMPLE	467771-002	Wipe	295524	08/23/22 13:32	1.0	1	
064	met06_master	SAMPLE	467771-004	Wipe	295524	08/23/22 13:35	1.0	1	
065	met06_master	SAMPLE	467771-006	Wipe	295524	08/23/22 13:38	1.0	1	
066	met06_master	CCV				08/23/22 13:41	1.0	10 1	
067	met06_master	CCB				08/23/22 13:45	1.0	1	
068	met06_master	SAMPLE	467771-008	Wipe	295524	08/23/22 13:48	1.0	1	
069	met06_master	SAMPLE	467774-002	Wipe	295524	08/23/22 13:51	1.0	1	
070	met06_master	SAMPLE	467774-004	Wipe	295524	08/23/22 13:54	1.0	1	
071	met06_master	SAMPLE	467774-006	Wipe	295524	08/23/22 13:58	1.0	1	
072	met06_master	SAMPLE	467774-008	Wipe	295524	08/23/22 14:01	1.0	1	
073	met06_master	BLANK	QC1008173	Soil	295516	08/23/22 14:04	1.0	1	
074	met06_master	LCS	QC1008227	Soil	295516	08/23/22 14:07	1.0	1	
075	met06_master	SAMPLE	467649-005	Soil	295516	08/23/22 14:11	1.0	1	2:FE=350
076	met06_master	SAMPLE	467682-001	Soil	295516	08/23/22 14:14	1.0	1	
077	met06_master	SAMPLE	467682-002	Soil	295516	08/23/22 14:17	1.0	1	
078	met06_master	CCV				08/23/22 14:20	1.0	10 1	
079	met06_master	CCB				08/23/22 14:24	1.0	1	
080	met06_master	SAMPLE	467682-003	Soil	295516	08/23/22 14:27	1.0	1	1:FE=180
081	met06_master	SAMPLE	467682-004	Soil	295516	08/23/22 14:30	1.0	1	1:FE=170
082	met06_master	SAMPLE	467682-005	Soil	295516	08/23/22 14:34	1.0	1	1:FE=190
083	met06_master	SAMPLE	467682-006	Soil	295516	08/23/22 14:37	1.0	1	
084	met06_master	SAMPLE	467682-007	Soil	295516	08/23/22 14:40	1.0	1	3:FE=220
085	met06_master	SAMPLE	467682-008	Soil	295516	08/23/22 14:43	1.0	1	1:FE=200
086	met06_master	SAMPLE	467682-009	Soil	295516	08/23/22 14:47	1.0	1	1:FE=180
087	met06_master	SAMPLE	467682-010	Soil	295516	08/23/22 14:50	1.0	1	1:FE=200
088	met06_master	SAMPLE	467682-011	Soil	295516	08/23/22 14:53	1.0	1	1:FE=210
089	met06_master	SAMPLE	467690-001	Miscell.	295516	08/23/22 14:56	1.0	1	3:FE=400
090	met06_master	CCV				08/23/22 15:00	1.0	10 1	
091	met06_master	CCB				08/23/22 15:03	1.0	1	
092	met06_master	SAMPLE	467690-002	Miscell.	295516	08/23/22 15:06	1.0	1	3:FE=430
093	met06_master	SAMPLE	467690-003	Miscell.	295516	08/23/22 15:09	1.0	1	3:FE=440
094	met06_master	MSS	467694-001	Soil	295516	08/23/22 15:13	1.0	1	3:FEASFE2O3=250
095	met06_master	MS	QC1008174	Soil	295516	08/23/22 15:16	1.0	1	3:ALASAL2O3=280
096	met06_master	MSD	QC1008175	Soil	295516	08/23/22 15:19	1.0	1	3:ALASAL2O3=290
097	met06_master	PDS	QC1008176	Soil	295516	08/23/22 15:22	1.0	1	1:FE=170
098	met06_master	SAMPLE	467694-002	Soil	295516	08/23/22 15:26	1.0	1	2:FE=240
099	met06_master	SAMPLE	467694-003	Soil	295516	08/23/22 15:29	1.0	1	2:SULFUR=250
100	met06_master	SAMPLE	467746-001	Miscell.	295516	08/23/22 15:32	1.0	1	1:V=12
101	met06_master	CCV				08/23/22 15:35	1.0	10 1	
102	met06_master	CCB				08/23/22 15:39	1.0	1	

Enthalpy Sequence Summary for Sequence 482338973

Instrument : MET06 Begun : 08/23/22 09:33
Method : EPA 6010B

Standards used: 1=S13369 2=S17110 3=S17109 4=S17108 5=S17107 6=S16645 7=S17115 8=S17113 9=S17048 10=S17024 11=S16646 12=S16979 13=S17065

Enthalpy Internal Standard Summary for Sequence 482338973

Date : 08/23/22 Reference : met06_master
Sequence : MET06 08/23/22 Analyzed : 08/23/22 09:33

#	Type	Sample ID	Y H		Y A		Y R
		ICALBLK STD	17553115		970979		370837
		LOWER LIMIT	5265935		291294		111251
		UPPER LIMIT	35106230		1941958		741674
012	ICB		18422473		1053037		372579
013	ICSA		16549392		914571		335426
014	ICSAB		16574588		917293		334966
015	BS	QC1007818	17467397		988845		362301
016	BSD	QC1007819	17576484		983238		358667
017	SAMPLE	467401-001	16099358		917999		325921
018	LCS	QC1007951	17540225		982420		356276
019	SAMPLE	467595-001	16357972		959768		355186
020	LCS	QC1007812	17508821		983206		363435
021	SAMPLE	467519-022	17652958		980216		362929
022	SAMPLE	467519-024	17612433		975312		369014
023	CCV		17257296		953026		348751
024	CCB		18778050		1042058		422394
025	SAMPLE	467519-027	17636264		977988		370418
026	SAMPLE	467519-039	17883059		990743		378881
027	SAMPLE	467519-043	17681482		976871		369610
028	CCV		17520873		969141		355166
029	CCB		38474113	*	2077885	*	636679
030	BLANK	QC1008177	18649821		1059002		383131
031	LCS	QC1008178	18516927		1046660		376972
032	SAMPLE	467758-002	14763986		820558		305158
033	MSS	467782-001	18091952		1035887		364396
034	MS	QC1008179	18104117		1031977		364846
035	MSD	QC1008180	18198460		1040818		364902
036	BLANK	QC1008181	17939163		1033197		376777
037	CCV		18025237		1029511		364589
038	CCB		18876763		1103800		387282
039	SAMPLE	467519-027	18446911		1248976		600563
040	SAMPLE	467519-039	18741770		1083715		512987
041	SAMPLE	467519-043	18260870		1277181		631885
042	BLANK	QC1008177	19031874		1097442		385310
043	LCS	QC1008178	18640065		1081514		379918
044	SAMPLE	467758-002	14941903		842801		308493
045	MSS	467782-001	18200123		1054303		366052
046	MS	QC1008179	18172665		1054624		363859
047	MSD	QC1008180	18424277		1065024		367896
048	BLANK	QC1008181	17880783		1039832		378391
049	CCV		18145562		1051773		362084
050	CCB		18998581		1122614		388787
051	BS	QC1008182	17834831		1046629		377414
052	BSD	QC1008183	17992691		1053391		374558
053	SAMPLE	467767-002	18384569		1043839		385140
054	CCV		18253856		1053095		365141
055	CCB		18954175		1114347		379515
056	BLANK	QC1008205	18150078		1067561		385193
057	BS	QC1008206	18284583		1072343		377525
058	BSD	QC1008207	18086039		1065993		376388
059	SAMPLE	467769-002	18491529		1067697		384974

Enthalpy Internal Standard Summary for Sequence 482338973

Date : 08/23/22 Reference : met06_master
Sequence : MET06 08/23/22 Analyzed : 08/23/22 09:33

#	Type	Sample ID	Y H	Y A	Y R
060	SAMPLE	467769-003	18492007	1070154	384199
061	SAMPLE	467769-005	18358973	1067502	384469
062	SAMPLE	467769-006	18424803	1067281	386290
063	SAMPLE	467771-002	18348755	1062226	383867
064	SAMPLE	467771-004	18232003	1060529	382530
065	SAMPLE	467771-006	18411392	1062738	384484
066	CCV		18055983	1053138	363460
067	CCB		18834812	1122614	388771
068	SAMPLE	467771-008	18144791	1054434	383265
069	SAMPLE	467774-002	18479023	1067038	389283
070	SAMPLE	467774-004	18402125	1065961	388397
071	SAMPLE	467774-006	18331319	1066835	383807
072	SAMPLE	467774-008	18203050	1059068	387025
073	BLANK	QC1008173	18301932	1071381	385196
074	LCS	QC1008227	18268178	1075767	382860
075	SAMPLE	467649-005	17688276	1019147	368815
076	SAMPLE	467682-001	18680287	1078708	395213
077	SAMPLE	467682-002	18018312	1044698	378078
078	CCV		18184826	1056842	368579
079	CCB		18762638	1130806	392206
080	SAMPLE	467682-003	17964973	1041423	376248
081	SAMPLE	467682-004	18171857	1053141	380198
082	SAMPLE	467682-005	18399863	1063823	390611
083	SAMPLE	467682-006	18057052	1046442	380612
084	SAMPLE	467682-007	18182238	1062863	380373
085	SAMPLE	467682-008	18163143	1063002	380760
086	SAMPLE	467682-009	18077333	1051780	376800
087	SAMPLE	467682-010	18447770	1074842	390998
088	SAMPLE	467682-011	18671005	1078174	395961
089	SAMPLE	467690-001	18020216	1040890	382668
090	CCV		18196573	1063814	369477
091	CCB		18878616	1127447	388448
092	SAMPLE	467690-002	17854057	1016661	374114
093	SAMPLE	467690-003	17537405	999527	369379
094	MSS	467694-001	18218853	1065909	382562
095	MS	QC1008174	17916241	1058413	379835
096	MSD	QC1008175	17997176	1059773	381158
098	SAMPLE	467694-002	18223159	1069466	390138
099	SAMPLE	467694-003	17919645	1046411	378698
100	SAMPLE	467746-001	19006182	1128129	406145
101	CCV		18294493	1064260	375002
102	CCB		18863045	1138553	389709

ENTHALPY INITIAL CALIBRATION FOR 467771 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	482338973001	Date:	23-AUG-2022 09:33
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master	482338973002	L1	23-AUG-2022 09:37	S17110, S13369 (100X)
L2	met06_master	482338973003	L2	23-AUG-2022 09:40	S17109, S13369 (100X)
L3	met06_master	482338973004	L3	23-AUG-2022 09:43	S17108, S13369 (100X)
L4	met06_master	482338973005	L4	23-AUG-2022 09:46	S17107, S13369 (100X)

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	0.0223	0.0396	0.0393	0.0375	WB1K	0.00283	26.6219		0.0347	1.000		5	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
WB1K: Linear regression with ICALBLK weighting factor of 1000

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D
Lead	A	0.0033	**44**	0.1000	8	1.0000	5	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 467771 METALS Wipe
EPA 6010B

Inst : MET06
Calnum : 482338973001 Cal Date : 23-AUG-2022

ICV 482338973010 (23-AUG-2022) stds: S17024, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	1.041	mg/l	4	

ENTHALPY INSTRUMENT BLANK FOR 467771 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973012 File : met06_master Time : 23-AUG-2022 10:10
Cal : 482338973001 Caldate : 23-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18422473	4.95
Yttrium	A	970979	1053037	8.45
Yttrium	R	370837	372579	0.47

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 467771 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973013 File : met06_master Time : 23-AUG-2022 10:13
Cal : 482338973001 Caldate : 23-AUG-2022
Standards: S16979, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	0.005544	0.003333	mg/l	!a+

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	146.3	mg/l	91	
Aluminum	R	400.0	370.8	mg/l	93	
Calcium	R	400.0	391.6	mg/l	98	
Magnesium	R	400.0	403.3	mg/l	101	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	16549392	-5.72
Yttrium	A	970979	914571	-5.81
Yttrium	R	370837	335426	-9.55

!=warning +=high bias a=ICSA

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 467771 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973014 File : met06_master Time : 23-AUG-2022 10:16
Cal : 482338973001 Caldate : 23-AUG-2022
Standards: S17065, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.041	mg/l	4	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	16574588	-5.57
Yttrium	A	970979	917293	-5.53
Yttrium	R	370837	334966	-9.67

ENTHALPY CONTINUING CALIBRATION FOR 467771 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973054 File : met06_master Time : 23-AUG-2022 12:49
Cal : 482338973001 Caldate : 23-AUG-2022
Standards: S17024, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0347	0.0402	1.000	1.072	mg/l	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18253856	3.99
Yttrium	A	970979	1053095	8.46
Yttrium	R	370837	365141	-1.54

ENTHALPY INSTRUMENT BLANK FOR 467771 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973055 File : met06_master Time : 23-AUG-2022 12:52
Cal : 482338973001 Caldate : 23-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18954175	7.98
Yttrium	A	970979	1114347	14.77
Yttrium	R	370837	379515	2.34

ENTHALPY CONTINUING CALIBRATION FOR 467771 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973066 File : met06_master Time : 23-AUG-2022 13:41
Cal : 482338973001 Caldate : 23-AUG-2022
Standards: S17024, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0347	0.0400	1.000	1.067	mg/l	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18055983	2.86
Yttrium	A	970979	1053138	8.46
Yttrium	R	370837	363460	-1.99

ENTHALPY INSTRUMENT BLANK FOR 467771 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973067 File : met06_master Time : 23-AUG-2022 13:45
Cal : 482338973001 Caldate : 23-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18834812	7.30
Yttrium	A	970979	1122614	15.62
Yttrium	R	370837	388771	4.84

ENTHALPY CONTINUING CALIBRATION FOR 467771 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973078 File : met06_master Time : 23-AUG-2022 14:20
Cal : 482338973001 Caldate : 23-AUG-2022
Standards: S17024, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0347	0.0391	1.000	1.045	mg/l	4	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18184826	3.60
Yttrium	A	970979	1056842	8.84
Yttrium	R	370837	368579	-0.61

ENTHALPY INSTRUMENT BLANK FOR 467771 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973079 File : met06_master Time : 23-AUG-2022 14:24
Cal : 482338973001 Caldate : 23-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18762638	6.89
Yttrium	A	970979	1130806	16.46
Yttrium	R	370837	392206	5.76

SAMPLE PREPARATION SUMMARY

Batch # : 295524 Analysis : ICP
Started By : DLS Prep Date : 23-AUG-2022 10:35 Finished By : DLS
Method : 3050B Units : ft2
Spike #1 ID : S16855 Spike #2 ID : S16906

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
467769-002		Wipe	1	100	1	100.0						6010	
467769-003		Wipe	1	100	1	100.0						6010	
467769-005		Wipe	1	100	1	100.0						6010	
467769-006		Wipe	1	100	1	100.0						6010	
467771-002		Wipe	1	100	1	100.0						6010	
467771-004		Wipe	1.06	100	1	94.34						6010	
467771-006		Wipe	1	100	1	100.0						6010	
467771-008		Wipe	1.06	100	1	94.34						6010	
467774-002		Wipe	1.0276	100	1	97.31						6010	
467774-004		Wipe	1	100	1	100.0						6010	
467774-006		Wipe	1.02	100	1	98.04						6010	
467774-008		Wipe	1	100	1	100.0						6010	
QC1008205	BLANK	Wipe	1	100	1	100.0						ICP	
QC1008206	BS	Wipe	1	100	1	100.0		1	1			ICP	
QC1008207	BSD	Wipe	1	100	1	100.0		1	1			ICP	

Analyst: KLN Date: 08/23/22 Reviewer: DCD Date: 08/24/22

ICP Prep Log

Initials: DS Prep Method: 3050B / 3010A / 200.7 / STLC QC Batch #: 205524 Thermometer ID: 163746

Prep Start, Date/Time: 6/23/22 1035 Prep End, Date/Time: 6/23/22 1155 HotBlock Temperature, °C: 95

HotBlock ID: 11

Sample ID	Bottle #	Sample pH (Water Only)	Sample Appearance	Initial Vol. or Weight (mL or g)	Bal. ID	Final Vol (mL)	Digestion Tube Lot#	Comment
Blank	-----	-----	-----	NA	NA	100	MLTD1500X0027	
LCS	-----	-----	-----	↓				
467769-2	A	NA	W.P.B	1 WPB				
-3	A							
-5	A							
-6	A							
467771-2	A							
-4	A							
-6	A							
-8	A							
467774-2	A							
-4	A							
-6	A							
-8	A							
LCSD	NA			NA				

DS 6/23/22

Hydrochloric Acid ID: 10mL - 22166149

Nitric Acid ID: 10mL - 20220502138

H_2O_2 ID: 3mL 131502

LCS Spike ID: 1mL - S1C655 / S1C906

MS/MSD Spike ID: NA

ICP Raw Data

Enthalpy Sequence Summary for Sequence 482338973

Instrument : MET06 Begun : 08/23/22 09:33
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master	ICALBLK	CALBLANK			08/23/22 09:33	1.0	1	
002	met06_master	ICAL	L1			08/23/22 09:37	1.0	2 1	
003	met06_master	ICAL	L2			08/23/22 09:40	1.0	3 1	
004	met06_master	ICAL	L3			08/23/22 09:43	1.0	4 1	
005	met06_master	ICAL	L4			08/23/22 09:46	1.0	5 1	
006	met06_master	ICAL	L5			08/23/22 09:50	1.0	6 1	
007	met06_master	ICAL	L6			08/23/22 09:53	1.0	7 1	
008	met06_master	ICAL	L7			08/23/22 09:56	1.0	8 1	
009	met06_master	ICAL	L8			08/23/22 10:00	1.0	9 1	
010	met06_master	ICV				08/23/22 10:03	1.0	10 1	
011	met06_master	CRI				08/23/22 10:06	1.0	11 1	
012	met06_master	ICB				08/23/22 10:10	1.0	1	
013	met06_master	ICSA				08/23/22 10:13	1.0	12 1	4:MGASMGCO3=1400
014	met06_master	ICSAB				08/23/22 10:16	1.0	13 1	4:MGASMGCO3=1400
015	met06_master	BS	QC1007818	Soil	295419	08/23/22 10:19	1.0	1	
016	met06_master	BSD	QC1007819	Soil	295419	08/23/22 10:23	1.0	1	
017	met06_master	SAMPLE	467401-001	Water	295313	08/23/22 10:26	1.0	1	2:K=4800
018	met06_master	LCS	QC1007951	TCLP Leachate	295454	08/23/22 10:31	1.0	1	
019	met06_master	SAMPLE	467595-001	Miscell.	295415	08/23/22 10:34	1.0	1	1:AL=2900
020	met06_master	LCS	QC1007812	Soil	295416	08/23/22 10:37	1.0	1	
021	met06_master	SAMPLE	467519-022	Soil	295416	08/23/22 10:41	1.0	1	
022	met06_master	SAMPLE	467519-024	Soil	295416	08/23/22 10:44	1.0	1	1:FE=160
023	met06_master	CCV				08/23/22 10:48	1.0	10 1	
024	met06_master	CCB				08/23/22 10:52	1.0	1	
025	met06_master	SAMPLE	467519-027	Soil	295416	08/23/22 10:55	1.0	1	
026	met06_master	SAMPLE	467519-039	Soil	295416	08/23/22 10:58	1.0	1	
027	met06_master	SAMPLE	467519-043	Soil	295416	08/23/22 11:01	1.0	1	
028	met06_master	CCV				08/23/22 11:05	1.0	10 1	
029	met06_master	CCB				08/23/22 11:08	1.0	1	
030	met06_master	BLANK	QC1008177	Water	295517	08/23/22 11:29	1.0	1	
031	met06_master	LCS	QC1008178	Water	295517	08/23/22 11:33	1.0	1	
032	met06_master	SAMPLE	467758-002	Sea Water	295517	08/23/22 11:36	1.0	1	4:NA=3500
033	met06_master	MSS	467782-001	Water	295517	08/23/22 11:39	1.0	1	2:NA=1100
034	met06_master	MS	QC1008179	Water	295517	08/23/22 11:42	1.0	1	2:NA=1000
035	met06_master	MSD	QC1008180	Water	295517	08/23/22 11:46	1.0	1	2:NA=1000
036	met06_master	BLANK	QC1008181	Wipe	295518	08/23/22 11:49	1.0	1	
037	met06_master	CCV				08/23/22 11:54	1.0	10 1	
038	met06_master	CCB				08/23/22 11:57	1.0	1	
039	met06_master	SAMPLE	467519-027	Soil	295416	08/23/22 12:00	1.0	1	
040	met06_master	SAMPLE	467519-039	Soil	295416	08/23/22 12:03	1.0	1	
041	met06_master	SAMPLE	467519-043	Soil	295416	08/23/22 12:07	1.0	1	
042	met06_master	BLANK	QC1008177	Water	295517	08/23/22 12:10	1.0	1	
043	met06_master	LCS	QC1008178	Water	295517	08/23/22 12:13	1.0	1	
044	met06_master	SAMPLE	467758-002	Sea Water	295517	08/23/22 12:16	1.0	1	4:NA=3300
045	met06_master	MSS	467782-001	Water	295517	08/23/22 12:20	1.0	1	2:NA=1100
046	met06_master	MS	QC1008179	Water	295517	08/23/22 12:23	1.0	1	2:NA=1000
047	met06_master	MSD	QC1008180	Water	295517	08/23/22 12:26	1.0	1	2:NA=1000
048	met06_master	BLANK	QC1008181	Wipe	295518	08/23/22 12:29	1.0	1	
049	met06_master	CCV				08/23/22 12:33	1.0	10 1	
050	met06_master	CCB				08/23/22 12:36	1.0	1	
051	met06_master	BS	QC1008182	Wipe	295518	08/23/22 12:39	1.0	1	
052	met06_master	BSD	QC1008183	Wipe	295518	08/23/22 12:42	1.0	1	

Enthalpy Sequence Summary for Sequence 482338973

Instrument : MET06 Begun : 08/23/22 09:33
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met06_master	SAMPLE	467767-002	Wipe	295518	08/23/22 12:46	1.0	1	
054	met06_master	CCV				08/23/22 12:49	1.0	10 1	
055	met06_master	CCB				08/23/22 12:52	1.0	1	
056	met06_master	BLANK	QC1008205	Wipe	295524	08/23/22 13:09	1.0	1	
057	met06_master	BS	QC1008206	Wipe	295524	08/23/22 13:12	1.0	1	
058	met06_master	BSD	QC1008207	Wipe	295524	08/23/22 13:15	1.0	1	
059	met06_master	SAMPLE	467769-002	Wipe	295524	08/23/22 13:19	1.0	1	
060	met06_master	SAMPLE	467769-003	Wipe	295524	08/23/22 13:22	1.0	1	
061	met06_master	SAMPLE	467769-005	Wipe	295524	08/23/22 13:25	1.0	1	
062	met06_master	SAMPLE	467769-006	Wipe	295524	08/23/22 13:28	1.0	1	
063	met06_master	SAMPLE	467771-002	Wipe	295524	08/23/22 13:32	1.0	1	
064	met06_master	SAMPLE	467771-004	Wipe	295524	08/23/22 13:35	1.0	1	
065	met06_master	SAMPLE	467771-006	Wipe	295524	08/23/22 13:38	1.0	1	
066	met06_master	CCV				08/23/22 13:41	1.0	10 1	
067	met06_master	CCB				08/23/22 13:45	1.0	1	
068	met06_master	SAMPLE	467771-008	Wipe	295524	08/23/22 13:48	1.0	1	
069	met06_master	SAMPLE	467774-002	Wipe	295524	08/23/22 13:51	1.0	1	
070	met06_master	SAMPLE	467774-004	Wipe	295524	08/23/22 13:54	1.0	1	
071	met06_master	SAMPLE	467774-006	Wipe	295524	08/23/22 13:58	1.0	1	
072	met06_master	SAMPLE	467774-008	Wipe	295524	08/23/22 14:01	1.0	1	
073	met06_master	BLANK	QC1008173	Soil	295516	08/23/22 14:04	1.0	1	
074	met06_master	LCS	QC1008227	Soil	295516	08/23/22 14:07	1.0	1	
075	met06_master	SAMPLE	467649-005	Soil	295516	08/23/22 14:11	1.0	1	2:FE=350
076	met06_master	SAMPLE	467682-001	Soil	295516	08/23/22 14:14	1.0	1	
077	met06_master	SAMPLE	467682-002	Soil	295516	08/23/22 14:17	1.0	1	
078	met06_master	CCV				08/23/22 14:20	1.0	10 1	
079	met06_master	CCB				08/23/22 14:24	1.0	1	
080	met06_master	SAMPLE	467682-003	Soil	295516	08/23/22 14:27	1.0	1	1:FE=180
081	met06_master	SAMPLE	467682-004	Soil	295516	08/23/22 14:30	1.0	1	1:FE=170
082	met06_master	SAMPLE	467682-005	Soil	295516	08/23/22 14:34	1.0	1	1:FE=190
083	met06_master	SAMPLE	467682-006	Soil	295516	08/23/22 14:37	1.0	1	
084	met06_master	SAMPLE	467682-007	Soil	295516	08/23/22 14:40	1.0	1	3:FE=220
085	met06_master	SAMPLE	467682-008	Soil	295516	08/23/22 14:43	1.0	1	1:FE=200
086	met06_master	SAMPLE	467682-009	Soil	295516	08/23/22 14:47	1.0	1	1:FE=180
087	met06_master	SAMPLE	467682-010	Soil	295516	08/23/22 14:50	1.0	1	1:FE=200
088	met06_master	SAMPLE	467682-011	Soil	295516	08/23/22 14:53	1.0	1	1:FE=210
089	met06_master	SAMPLE	467690-001	Miscell.	295516	08/23/22 14:56	1.0	1	3:FE=400
090	met06_master	CCV				08/23/22 15:00	1.0	10 1	
091	met06_master	CCB				08/23/22 15:03	1.0	1	
092	met06_master	SAMPLE	467690-002	Miscell.	295516	08/23/22 15:06	1.0	1	3:FE=430
093	met06_master	SAMPLE	467690-003	Miscell.	295516	08/23/22 15:09	1.0	1	3:FE=440
094	met06_master	MSS	467694-001	Soil	295516	08/23/22 15:13	1.0	1	3:FEASFE2O3=250
095	met06_master	MS	QC1008174	Soil	295516	08/23/22 15:16	1.0	1	3:ALASAL2O3=280
096	met06_master	MSD	QC1008175	Soil	295516	08/23/22 15:19	1.0	1	3:ALASAL2O3=290
097	met06_master	PDS	QC1008176	Soil	295516	08/23/22 15:22	1.0	1	1:FE=170
098	met06_master	SAMPLE	467694-002	Soil	295516	08/23/22 15:26	1.0	1	2:FE=240
099	met06_master	SAMPLE	467694-003	Soil	295516	08/23/22 15:29	1.0	1	2:SULFUR=250
100	met06_master	SAMPLE	467746-001	Miscell.	295516	08/23/22 15:32	1.0	1	1:V=12
101	met06_master	CCV				08/23/22 15:35	1.0	10 1	
102	met06_master	CCB				08/23/22 15:39	1.0	1	

Enthalpy Sequence Summary for Sequence 482338973

Instrument : MET06 Begun : 08/23/22 09:33
Method : EPA 6010B

Standards used: 1=S13369 2=S17110 3=S17109 4=S17108 5=S17107 6=S16645 7=S17115 8=S17113 9=S17048 10=S17024 11=S16646 12=S16979 13=S17065

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 467771-002	Client ID	: DOOR-N-0.3GE-PS-20-220822-L-LA
Seqnum	: 482338973063	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 295524	Time	: 23-AUG-2022 13:32
Cal	: 482338973001	Caldate	: 23-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.2901	29	0.50	0.087	!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	970979	1062226	9.40

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467771-002,295524			Sample Type: Unknown Sample
Measure Date: 2022-08-23 13:32:07	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	61463.26000	3500.48040	6742.12520	9177.55700	11002.35400	91694.68800	9737.78140
Int RSD	*0.63093181*	*10.70184110*	*0.61771377*	*1.03645768*	*0.69813803*	*13.68626610*	*0.75348529*
Int SD	*387.79126000*	*374.61585000*	*41.64703600*	*95.12149400*	*76.81161800*	*12549.57900*	*73.37275000*
RelInt Mean	0.00002443	0.00441007	-0.00040797	0.00143743	0.00156228	0.23922507	0.00095238
RelInt RSD	*60.64048212*	*10.45515808*	*5.36959560*	*4.83369887*	*4.20378912*	*14.44023530*	*2.78423833*
RelInt SD	*0.00001481*	*0.00046108*	*0.00002191*	*0.00006948*	*0.00006568*	*0.03454466*	*0.00002652*
Conc Mean	<-0.00067486[mg/l]	0.43108575[mg/l]	<-0.00697146[mg/l]	0.00942613[mg/l]	0.00442397[mg/l]	11.83431700[mg/l]	0.00470120[mg/l]
Conc RSD	*72.33870577*	*14.84027018*	*10.12384768*	*6.55884563*	*4.78419757*	*14.52954150*	*2.80945364*
Conc SD	*0.00048819[mg/l]*	*0.06397429[mg/l]*	*0.00070578[mg/l]*	*0.00061825[mg/l]*	*0.00021165[mg/l]*	*1.71947200[mg/l]*	*0.00013208[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	10690.36400	188675	15706262	3331.67180	4193.36860	395911	6618.02550
Int RSD	*0.06002756*	*1.32823527*	*0.35942446*	*15.65051816*	*9.86581242*	*0.58507292*	*0.38642075*
Int SD	*6.41716420*	*2506.05440*	*56452.14800*	*521.42390000*	*413.70988000*	*2316.36770*	*25.57342400*
RelInt Mean	0.00291381	0.00745494	14.93821600	0.00828388	0.00564136	0.36657150	-0.00017051
RelInt RSD	*1.36512702*	*1.49071171*	*0.34935229*	*14.97423308*	*9.28973183*	*0.58354056*	*10.92006307*
RelInt SD	*0.00003978*	*0.00011113*	*0.05218700*	*0.00124045*	*0.00052407*	*0.00213909*	*0.00001862*
Conc Mean	0.01874292[mg/l]	0.15575424[mg/l]	45.77359600[mg/l]	6.16776620[mg/l]	1.54140640[mg/l]	0.22206983[mg/l]	<-0.00384767[mg/l]
Conc RSD	*1.37946122*	*1.65762210*	*0.34986893*	*17.63574631*	*9.50180043*	*0.58396005*	*3.32870569*
Conc SD	*0.00025855[mg/l]*	*0.00258182[mg/l]*	*0.16014759[mg/l]*	*1.08773160[mg/l]*	*0.14646136[mg/l]*	*0.00129680[mg/l]*	*0.00012808[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	72942.40300	13102.46800	21282.36000	7356.62230	6497.48140	8736.38320	7048.82400
Int RSD	*10.16710129*	*1.08462642*	*0.32866776*	*1.09644214*	*1.30728174*	*0.31812729*	*17.68228147*
Int SD	*7416.12800*	*142.11283000*	*69.94825600*	*80.66110700*	*84.94038800*	*27.79281900*	*1246.39290*
RelInt Mean	0.17083632	0.00359634	0.01079379	0.00019168	-0.00001031	0.00036669	0.01515497
RelInt RSD	*10.20701160*	*4.61891464*	*0.58932069*	*33.26660848*	*725.56499042*	*6.13388205*	*18.35724452*
RelInt SD	*0.01743728*	*0.00016611*	*0.00006361*	*0.00006377*	*0.00007479*	*0.00002249*	*0.00278203*
Conc Mean	6.34831810[mg/l]	0.02478258[mg/l]	0.29006667[mg/l]	0.00378918[mg/l]	<-0.00212661[mg/l]	<0.00054478[mg/l]	0.01141816[mg/l]
Conc RSD	*11.91973761*	*4.95336846*	*0.58675749*	*57.24427573*	*108.67686827*	*68.84088506*	*18.13231204*
Conc SD	*0.75670286[mg/l]*	*0.00122757[mg/l]*	*0.00170199[mg/l]*	*0.00216909[mg/l]*	*0.00231114[mg/l]*	*0.00037503[mg/l]*	*0.00207038[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	140021	6100.14850	18044.71600	1062226	18348755	383867	261331
Int RSD	*2.32931514*	*0.51471075*	*0.55805506*	*0.02855635*	*0.83836244*	*0.83001546*	*0.03909428*
Int SD	*3261.53850*	*31.39812000*	*100.69945000*	*303.33292000*	*153829*	*3186.15900*	*102.16542000*
RelInt Mean	0.00401396	-0.00091358	0.00018173	---	---	---	0.24237365
RelInt RSD	*5.38894484*	*2.26718325*	*1.37612674*	---	---	---	*0.05966140*
RelInt SD	*0.00021631*	*0.00002071*	*0.00000250*	---	---	---	*0.00014460*
Conc Mean	0.02385189[mg/l]	<-0.04739879[mg/l]	<-0.00309748[mg/l]	1050625	18269345	382311	0.64309917[mg/l]
Conc RSD	*7.39699162*	*2.76293792*	*12.40410649*	---	---	---	*0.05971595*
Conc SD	*0.00176432[mg/l]*	*0.00130960[mg/l]*	*0.00038421[mg/l]*	*319.20301000*	*154031*	*3290.83560*	*0.00038403[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	129.82002000	5998.99220	103213	18890.60800	9054.95570	109923	
Int RSD	*24.22729483*	*16.13501048*	*1.36489174*	*0.80436268*	*0.69738115*	*0.09344593*	
Int SD	*31.45187900*	*967.93802000*	*1408.75090*	*151.94900000*	*63.14755400*	*102.71820000*	
RelInt Mean	-0.00032707	0.00089275	0.09042991	0.01030137	0.00020936	0.09645684	
RelInt RSD	*8.62053730*	*49.16854375*	*1.46577946*	*1.29809180*	*20.75526168*	*0.06459501*	
RelInt SD	*0.00002820*	*0.00043895*	*0.00132550*	*0.00013372*	*0.00004345*	*0.00006231*	
Conc Mean	<0.00019761[mg/l]	<-0.00159720[mg/l]	1.02084490[mg/l]	0.16917334[mg/l]	0.00015242[mg/l]	3.40255780[mg/l]	
Conc RSD	*38.44544870*	*260.42736560*	*1.47443113*	*1.31853264*	*84.77937686*	*0.06451280*	
Conc SD	*0.00007597[mg/l]*	*0.00415954[mg/l]*	*0.01505165[mg/l]*	*0.00223061[mg/l]*	*0.00012922[mg/l]*	*0.00219509[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 467771-004	Client ID	: DOOR-N-0.4GE-PS-20-220822-L-G
Seqnum	: 482338973064	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 295524	Time	: 23-AUG-2022 13:35
Cal	: 482338973001	Caldate	: 23-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.06 ft2 --> 100.0 ml = 94.34 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.1889	18	0.47	0.087	!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	970979	1060529	9.22

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467771-004,295524			Sample Type: Unknown Sample
Measure Date: 2022-08-23 13:35:22	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	61584.53800	4080.69010	6873.61200	9327.74420	11077.68500	96447.26100	10284.29300
Int RSD	*0.35592585*	*8.05597416*	*0.12822967*	*0.66007754*	*0.16613973*	*12.44349904*	*0.06488758*
Int SD	*219.19529000*	*328.73934000*	*8.81400970*	*61.57034400*	*18.40443600*	*12001.41400*	*6.67322880*
RelInt Mean	0.00004586	0.00602220	-0.00054864	0.00154826	0.00159344	0.25268215	0.00145304
RelInt RSD	*30.89319350*	*11.80454952*	*3.87898221*	*3.46821958*	*2.62355641*	*13.41806891*	*1.34897250*
RelInt SD	*0.00001417*	*0.00071089*	*0.00002128*	*0.00005370*	*0.00004180*	*0.03390507*	*0.00001960*
Conc Mean	<0.00003144[mg/l]	0.65476602[mg/l]	<-0.01150561[mg/l]	0.01041231[mg/l]	0.00452625[mg/l]	12.50414700[mg/l]	0.00719810[mg/l]
Conc RSD	*1485.09835*	*15.06424417*	*5.95909414*	*4.58878762*	*2.99613963*	*13.49660797*	*1.39537648*
Conc SD	*0.00046690[mg/l]*	*0.09863555[mg/l]*	*0.00068563[mg/l]*	*0.00047780[mg/l]*	*0.00013561[mg/l]*	*1.68763570[mg/l]*	*0.00010044[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	11206.23600	125923	18143249	3762.05330	4872.23560	560760	6696.83230
Int RSD	*0.44054575*	*0.52047561*	*0.65974826*	*12.97983444*	*9.92106231*	*0.47764754*	*0.69571555*
Int SD	*49.36859600*	*655.40095000*	*119700*	*488.30829000*	*483.37753000*	*2678.45870*	*46.59090400*
RelInt Mean	0.00336686	0.00405789	17.28455400	0.00956002	0.00762964	0.52418272	-0.00023666
RelInt RSD	*0.95546206*	*0.66759713*	*0.41155362*	*13.26953757*	*11.89457219*	*0.18931471*	*20.18908759*
RelInt SD	*0.00003217*	*0.00002709*	*0.07113521*	*0.00126857*	*0.00090751*	*0.00099235*	*0.00004778*
Conc Mean	0.02168775[mg/l]	0.07683383[mg/l]	52.97386300[mg/l]	7.28679930[mg/l]	2.09707300[mg/l]	0.31761971[mg/l]	<-0.00430264[mg/l]
Conc RSD	*0.96413308*	*0.81912457*	*0.41208058*	*15.26586165*	*12.09415695*	*0.18940937*	*7.63822421*
Conc SD	*0.00020910[mg/l]*	*0.00062936[mg/l]*	*0.21829500[mg/l]*	*1.11239270[mg/l]*	*0.25362330[mg/l]*	*0.00060160[mg/l]*	*0.00032865[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	80967.03700	12683.88700	17284.08500	7543.54320	6662.48580	8907.59090	7570.55700
Int RSD	*9.37429413*	*0.64928741*	*0.86349500*	*0.43012203*	*0.69412052*	*0.63542732*	*14.71072868*
Int SD	*7590.08820*	*82.35488200*	*149.24721000*	*32.44644100*	*46.24568100*	*56.60126600*	*1113.68410*
RelInt Mean	0.19265632	0.00317953	0.00699388	0.00028593	-0.00000174	0.00001414	0.01659541
RelInt RSD	*9.92619188*	*2.86212025*	*1.92806341*	*4.77667890*	*3050.48624*	*96.60487985*	*17.17140739*
RelInt SD	*0.01912344*	*0.00009100*	*0.00013485*	*0.00001366*	*0.00005304*	*0.00001366*	*0.00284966*
Conc Mean	7.29521200[mg/l]	0.02170233[mg/l]	0.18886342[mg/l]	0.00697562[mg/l]	<-0.00186182[mg/l]	<-0.00533351[mg/l]	0.01249012[mg/l]
Conc RSD	*11.37560677*	*3.09878002*	*1.89076778*	*6.67258404*	*88.04385494*	*4.27130296*	*16.97906226*
Conc SD	*0.82987463[mg/l]*	*0.00067251[mg/l]*	*0.00357097[mg/l]*	*0.00046545[mg/l]*	*0.00163922[mg/l]*	*0.00022781[mg/l]*	*0.00212071[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	154092	6284.01540	18554.59400	1060529	18232003	382530	268857
Int RSD	*1.95933831*	*0.55026254*	*0.53959893*	*0.29801176*	*0.18481992*	*1.30724783*	*0.38688338*
Int SD	*3019.18300*	*34.57858300*	*100.12039000*	*3160.49960*	*33696.37400*	*5000.61880*	*1040.16350*
RelInt Mean	0.00482667	-0.00094093	0.00020778	---	---	---	0.24987420
RelInt RSD	*3.31509716*	*3.08231381*	*4.45146510*	---	---	---	*0.10224172*
RelInt SD	*0.00016001*	*0.00002900*	*0.00000925*	---	---	---	*0.00025548*
Conc Mean	0.03048078[mg/l]	<-0.04913892[mg/l]	<0.00090515[mg/l]	1048979	18152814	380999	0.66301496[mg/l]
Conc RSD	*4.28173417*	*3.71393599*	*156.98419516*	---	---	---	*0.10231351*
Conc SD	*0.00130511[mg/l]*	*0.00182499[mg/l]*	*0.00142094[mg/l]*	*3163.49320*	*33860.51900*	*5112.13030*	*0.00067835[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	196.73225000	5978.89760	129940	21254.42100	9094.77700	117298	
Int RSD	*48.61480464*	*18.99216672*	*3.56654437*	*0.86194957*	*0.79658492*	*0.60054863*	
Int SD	*95.64099900*	*1135.52220*	*4634.37810*	*183.20239000*	*72.44762200*	*704.43129000*	
RelInt Mean	-0.00030488	0.00097921	0.11601930	0.01222204	0.00018316	0.10347179	
RelInt RSD	*36.93492020*	*18.24978252*	*3.54061488*	*1.28584333*	*51.15054179*	*0.81290587*	
RelInt SD	*0.00011261*	*0.00017870*	*0.00410780*	*0.00015716*	*0.00009368*	*0.00084113*	
Conc Mean	<0.00025740[mg/l]	<-0.00077793[mg/l]	1.31147280[mg/l]	0.20121207[mg/l]	<0.00009003[mg/l]	3.64970100[mg/l]	
Conc RSD	*117.87796967*	*217.67948627*	*3.55674635*	*1.30286737*	*315.19169327*	*0.81194654*	
Conc SD	*0.00030341[mg/l]*	*0.00169340[mg/l]*	*0.04664576[mg/l]*	*0.00262153[mg/l]*	*0.00028375[mg/l]*	*0.02963362[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 467771-006	Client ID	: ARCH-C1E-EXT-5 TO 6-220822-L-WF
Seqnum	: 482338973065	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 295524	Time	: 23-AUG-2022 13:38
Cal	: 482338973001	Caldate	: 23-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.5323	53	0.50	0.087	!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	970979	1062738	9.45

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467771-006,295524			Sample Type: Unknown Sample
Measure Date: 2022-08-23 13:38:39	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	61281.11900	6235.92240	6932.35850	9315.89630	11513.16600	95517.05600	11783.98100
Int RSD	*0.40671769*	*8.31311740*	*0.72709426*	*0.93144467*	*1.09335121*	*12.59776160*	*1.39885867*
Int SD	*249.24115000*	*518.39955000*	*50.40478100*	*86.77242000*	*125.87934000*	*12033.01100*	*164.84124000*
RelInt Mean	0.00002894	0.01157152	-0.00062303	0.00140761	0.00203369	0.24898897	0.00294326
RelInt RSD	*71.94935219*	*9.45289916*	*6.75594821*	*6.52891526*	*5.41308605*	*12.99339324*	*5.18527136*
RelInt SD	*0.00002082*	*0.00109384*	*0.00004209*	*0.00009190*	*0.00011009*	*0.03235212*	*0.00015262*
Conc Mean	<-0.00052618[mg/l]	1.42472830[mg/l]	<-0.01390500[mg/l]	0.00916083[mg/l]	0.00593661[mg/l]	12.32031800[mg/l]	0.01461523[mg/l]
Conc RSD	*130.41084928*	*10.65253003*	*9.74932323*	*8.92656897*	*5.99129671*	*13.07058389*	*5.19989475*
Conc SD	*0.00068620[mg/l]*	*0.15176961[mg/l]*	*0.00135564[mg/l]*	*0.00081775[mg/l]*	*0.00035568[mg/l]*	*1.61033750[mg/l]*	*0.00075998[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	11769.10600	178506	21065298	3327.39490	5495.93490	774166	7190.59200
Int RSD	*0.93402286*	*1.30893846*	*0.52208960*	*9.29909612*	*9.54679685*	*0.53347979*	*0.24388850*
Int SD	*109.92614000*	*2336.53290*	*109980*	*309.41765000*	*524.68574000*	*4130.01890*	*17.53702700*
RelInt Mean	0.00390140	0.00688033	20.02882000	0.00826012	0.00927146	0.72609743	0.00021745
RelInt RSD	*2.78348989*	*2.19481440*	*0.26377105*	*10.22025742*	*12.21999838*	*0.29118890*	*19.18648659*
RelInt SD	*0.00010859*	*0.00015101*	*0.05283023*	*0.00084421*	*0.00113297*	*0.00211432*	*0.00004172*
Conc Mean	0.02516224[mg/l]	0.14240484[mg/l]	61.39526100[mg/l]	6.14693200[mg/l]	2.55591110[mg/l]	0.44002804[mg/l]	<-0.00117911[mg/l]
Conc RSD	*2.80526028*	*2.46360004*	*0.26406289*	*12.04295850*	*12.38823721*	*0.29129430*	*24.33781659*
Conc SD	*0.00070587[mg/l]*	*0.00350829[mg/l]*	*0.16212210[mg/l]*	*0.74027247[mg/l]*	*0.31663233[mg/l]*	*0.00128178[mg/l]*	*0.00028697[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	74658.50400	18174.60900	30841.20500	7408.70790	6698.95160	9747.84830	7687.91660
Int RSD	*8.20993426*	*0.05440741*	*0.33885959*	*0.42151570*	*0.91302636*	*0.26347875*	*15.04443480*
Int SD	*6129.41410*	*9.88833430*	*104.50838000*	*31.22886700*	*61.16319400*	*25.68350900*	*1156.60360*
RelInt Mean	0.17541733	0.00842281	0.01990178	0.00011900	-0.00003071	0.00056774	0.01670744
RelInt RSD	*7.94110536*	*0.26438537*	*0.51986978*	*14.94377788*	*124.57323577*	*6.53998452*	*16.71619312*
RelInt SD	*0.01393008*	*0.00002227*	*0.00010346*	*0.00001778*	*0.00003826*	*0.00003713*	*0.00279285*
Conc Mean	6.54711440[mg/l]	0.06045035[mg/l]	0.53233451[mg/l]	<0.00128079[mg/l]	<-0.00275718[mg/l]	<0.00389715[mg/l]	0.01257350[mg/l]
Conc RSD	*9.23315423*	*0.27223351*	*0.51388346*	*46.90065993*	*42.88150056*	*15.88613942*	*16.53018834*
Conc SD	*0.60450517[mg/l]*	*0.00016457[mg/l]*	*0.00273558[mg/l]*	*0.00060070[mg/l]*	*0.00118232[mg/l]*	*0.00061911[mg/l]*	*0.00207842[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	218577	6367.92580	18625.89700	1062738	18411392	384484	457391
Int RSD	*3.28756770*	*0.07096098*	*0.32632485*	*0.25755146*	*0.45880678*	*0.39818871*	*0.13646559*
Int SD	*7185.87080*	*4.51874260*	*60.78093100*	*2737.09830*	*84472.71500*	*1530.97120*	*624.18139000*
RelInt Mean	0.00830395	-0.00097412	0.00020118	---	---	---	0.42869532
RelInt RSD	*4.46294857*	*1.10385603*	*2.94885161*	---	---	---	*0.16679120*
RelInt SD	*0.00037060*	*0.00001075*	*0.00000593*	---	---	---	*0.00071503*
Conc Mean	0.05884303[mg/l]	<-0.05131124[mg/l]	<-0.00010958[mg/l]	1051122	18332268	382947	1.13786290[mg/l]
Conc RSD	*5.13704128*	*1.33412457*	*831.70658503*	---	---	---	*0.16686143*
Conc SD	*0.00302279[mg/l]*	*0.00068456[mg/l]*	*0.00091141[mg/l]*	*2711.58780*	*84465.62700*	*1573.53610*	*0.00189865[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	175.44509000	5977.98820	226552	25648.69600	9050.63880	124787	
Int RSD	*55.85956039*	*17.98150589*	*0.66347541*	*0.43907421*	*0.38946256*	*0.68287674*	
Int SD	*98.00285600*	*1074.93230*	*1503.11920*	*112.61681000*	*35.24885000*	*852.13908000*	
RelInt Mean	-0.00036658	0.00124303	0.20737376	0.01620377	0.00010964	0.11022237	
RelInt RSD	*97.99523829*	*12.95095695*	*0.87955207*	*0.59671868*	*25.93579121*	*0.58662252*	
RelInt SD	*0.00035923*	*0.00016098*	*0.00182396*	*0.00009669*	*0.00002844*	*0.00064659*	
Conc Mean	<0.00009115[mg/l]	<0.00172202[mg/l]	2.34891140[mg/l]	0.26763141[mg/l]	<-0.00012259[mg/l]	3.88753010[mg/l]	
Conc RSD	*1061.93711*	*88.58740402*	*0.88164232*	*0.60265647*	*73.86145545*	*0.58597509*	
Conc SD	*0.00096793[mg/l]*	*0.00152549[mg/l]*	*0.02070900[mg/l]*	*0.00161290[mg/l]*	*0.00009055[mg/l]*	*0.02277996[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 467771-008	Client ID	: DOOR-N-0.2GE-PS-19-220822-L-G
Seqnum	: 482338973068	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 295524	Time	: 23-AUG-2022 13:48
Cal	: 482338973001	Caldate	: 23-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.06 ft2 --> 100.0 ml = 94.34 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.2737	26	0.47	0.087	!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	970979	1054434	8.59

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 467771-008,295524 | Sample Type: Unknown Sample

Measure Date: 2022-08-23 13:48:25 | Recalculation Date: | State: Measured | Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	60682.23000	9488.43170	7286.76020	9653.19830	25367.05600	98955.11000	11770.80100
Int RSD	*0.40897136*	*11.91368222*	*1.02237558*	*0.75211931*	*0.66593806*	*12.60901534*	*0.52159150*
Int SD	*248.17294000*	*1130.42160*	*74.49805700*	*72.60356800*	*168.92888000*	*12477.26500*	*61.39549700*
RelInt Mean	0.00002805	0.02026548	-0.00026162	0.00164259	0.01530602	0.25866720	0.00294674
RelInt RSD	*19.89103599*	*12.47013554*	*26.09863300*	*6.36926106*	*1.09058393*	*13.01301479*	*2.55848385*
RelInt SD	*0.00000558*	*0.00252713*	*0.00006828*	*0.00010462*	*0.00016692*	*0.03366040*	*0.00007539*
Conc Mean	<-0.00055541[mg/l]	2.63100390[mg/l]	<-0.00228284[mg/l]	0.01125171[mg/l]	0.04880081[mg/l]	12.80205500[mg/l]	0.01448002[mg/l]
Conc RSD	*33.10890676*	*13.32710149*	*96.39114278*	*8.27362671*	*1.11305049*	*13.08741214*	*2.56812779*
Conc SD	*0.00018389[mg/l]*	*0.35063656[mg/l]*	*0.00220045[mg/l]*	*0.00093092[mg/l]*	*0.00054318[mg/l]*	*1.67545770[mg/l]*	*0.00037187[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	15512.47400	160303	28904189	3404.16790	6490.52880	996666	7147.26170
Int RSD	*1.13770892*	*0.72834927*	*0.43708578*	*19.28650670*	*11.54187822*	*0.37702077*	*2.09981551*
Int SD	*176.48680000*	*1167.56580*	*126336*	*656.54507000*	*749.12893000*	*3757.63940*	*150.07931000*
RelInt Mean	0.00744638	0.00599119	27.70654800	0.00857685	0.01174262	0.94505761	0.00015541
RelInt RSD	*3.03361353*	*0.78436123*	*0.79843429*	*18.52145817*	*12.50207811*	*0.13064686*	*141.27382314*
RelInt SD	*0.00022589*	*0.00004699*	*0.22121858*	*0.00158856*	*0.00146807*	*0.00123469*	*0.00021955*
Conc Mean	0.04820460[mg/l]	0.12174844[mg/l]	84.95609900[mg/l]	6.42467280[mg/l]	3.24652740[mg/l]	0.57276998[mg/l]	<-0.00160583[mg/l]
Conc RSD	*3.04599853*	*0.89671391*	*0.79907067*	*21.68181545*	*12.63758347*	*0.13068356*	*94.04425807*
Conc SD	*0.00146831[mg/l]*	*0.00109174[mg/l]*	*0.67885927[mg/l]*	*1.39298570[mg/l]*	*0.41028261[mg/l]*	*0.00074852[mg/l]*	*0.00151019[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	72462.01800	16792.57000	20530.19800	7746.84540	6792.36260	9758.45270	8803.77440
Int RSD	*9.76153479*	*0.55692568*	*0.70161924*	*0.40711254*	*0.57124645*	*1.69510357*	*14.70049142*
Int SD	*7073.40510*	*93.52213400*	*144.04382000*	*31.53837900*	*38.80113000*	*165.41588000*	*1294.19810*
RelInt Mean	0.17034568	0.00718083	0.01019549	0.00046344	-0.00002366	0.00068498	0.01998723
RelInt RSD	*9.59803501*	*0.44565483*	*1.25756349*	*6.99764025*	*226.64146643*	*25.00686592*	*15.24785921*
RelInt SD	*0.01634984*	*0.00003200*	*0.00012821*	*0.00003243*	*0.00005363*	*0.00017129*	*0.00304763*
Conc Mean	6.32702670[mg/l]	0.05127211[mg/l]	0.27369994[mg/l]	0.01285408[mg/l]	<-0.00253940[mg/l]	<0.00585199[mg/l]	0.01501431[mg/l]
Conc RSD	*11.21399266*	*0.46125315*	*1.23141342*	*8.60580298*	*65.26986848*	*48.80588060*	*15.10577577*
Conc SD	*0.70951231[mg/l]*	*0.00023649[mg/l]*	*0.00337038[mg/l]*	*0.00110620[mg/l]*	*0.00165746[mg/l]*	*0.00285611[mg/l]*	*0.00226803[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	413198	6366.42230	19453.53800	1054434	18144791	383265	300168
Int RSD	*6.08431017*	*0.14888297*	*0.03731001*	*0.41947833*	*0.47536359*	*0.53033658*	*0.56714572*
Int SD	*25140.25400*	*9.47851840*	*7.25811730*	*4423.12380*	*86253.73000*	*2032.59200*	*1702.38890*
RelInt Mean	0.01920398	-0.00098312	0.00025595	---	---	---	0.28136070
RelInt RSD	*6.70695728*	*3.88048449*	*2.66393074*	---	---	---	*0.19085150*
RelInt SD	*0.00128800*	*0.00003815*	*0.00000682*	---	---	---	*0.00053698*
Conc Mean	0.14774866[mg/l]	<-0.05210224[mg/l]	0.00830489[mg/l]	1042777	18066161	381740	0.74661227[mg/l]
Conc RSD	*7.11041508*	*4.64985322*	*12.60671444*	---	---	---	*0.19107993*
Conc SD	*0.01050554[mg/l]*	*0.00242268[mg/l]*	*0.00104697[mg/l]*	*4377.58840*	*85968.70800*	*2154.13800*	*0.00142663[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	196.37293000	6024.04190	344603	30695.29500	9122.06840	120945	
Int RSD	*60.45095421*	*17.98629754*	*0.50486829*	*0.60247461*	*0.49139842*	*0.38629011*	
Int SD	*118.70931000*	*1083.50210*	*1739.78930*	*184.93136000*	*44.82570000*	*467.19985000*	
RelInt Mean	-0.00022250	0.00133753	0.32207004	0.02120402	0.00007004	0.10750562	
RelInt RSD	*253.98981164*	*20.31390051*	*0.10620235*	*0.62837993*	*60.96261469*	*0.20535246*	
RelInt SD	*0.00056511*	*0.00027170*	*0.00034205*	*0.00013324*	*0.00004270*	*0.00022077*	
Conc Mean	<0.00047938[mg/l]	<0.00261751[mg/l]	3.65152190[mg/l]	0.35104057[mg/l]	<-0.00028409[mg/l]	3.79181650[mg/l]	
Conc RSD	*317.63054244*	*98.36376826*	*0.10612177*	*0.63314904*	*42.50342257*	*0.20512014*	
Conc SD	*0.00152266[mg/l]*	*0.00257468[mg/l]*	*0.00387506[mg/l]*	*0.00222261[mg/l]*	*0.00012075[mg/l]*	*0.00777778[mg/l]*	

ENTHALPY BLANK USER REPORT FOR 467771 METALS Wipe
EPA 6010B

Inst : MET06 Lab ID : QC1008205
Seqnum : 482338973056.2 Matrix : Wipe
File : met06_master Batch : 295524 Time : 23-AUG-2022 13:09
Cal : 482338973001 Caldate : 23-AUG-2022
IDF : 1.0 Raw Units : mg/l Units : ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Flags
Lead	A	0.0008732	ND	0.50	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	970979	1067561	9.95

u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BLANK,QC1008205,295524			Sample Type: Unknown Sample
Measure Date: 2022-08-23 13:09:18	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	61995.17100	1669.09970	4940.22220	9432.47590	9274.57450	1676.72880	8598.78610
Int RSD	*0.29223447*	*11.62654334*	*0.46743719*	*0.83154796*	*0.71240904*	*14.71880187*	*0.61884180*
Int SD	*181.17126000*	*194.05860000*	*23.09243600*	*78.43556100*	*66.07290700*	*246.79439000*	*53.21288300*
RelInt Mean	0.00003621	0.00075667	-0.00024224	0.00183552	0.00016934	0.00369791	-0.00000443
RelInt RSD	*15.56782658*	*23.40216053*	*18.47765856*	*7.48209386*	*1.57366780*	*16.86861738*	*1359.32797*
RelInt SD	*0.00000564*	*0.00017708*	*0.00004476*	*0.00013733*	*0.00000266*	*0.00062379*	*0.00006017*
Conc Mean	<-0.00028655[mg/l]	<-0.07581921[mg/l]	<-0.00161629[mg/l]	0.01296833[mg/l]	<-0.00008922[mg/l]	0.11087497[mg/l]	<-0.00004585[mg/l]
Conc RSD	*64.83393423*	*32.40506370*	*89.20463896*	*9.42306441*	*10.30981144*	*28.00377218*	*655.27726015*
Conc SD	*0.00018578[mg/l]*	*0.02456926[mg/l]*	*0.00144181[mg/l]*	*0.00122201[mg/l]*	*0.00000920[mg/l]*	*0.03104917[mg/l]*	*0.00030045[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7540.90450	68101.35400	16523.86100	646.45378000	1855.01570	11364.75700	6464.82260
Int RSD	*0.38554237*	*1.41243361*	*1.17486186*	*21.33194890*	*10.19324257*	*0.40342689*	*1.35959854*
Int SD	*29.07338200*	*961.88641000*	*194.13254000*	*137.90119000*	*189.08625000*	*45.84848600*	*87.89563400*
RelInt Mean	0.00009613	0.00087931	0.00567770	0.00128129	-0.00016468	0.00101083	0.00041305
RelInt RSD	*34.93758160*	*7.00167127*	*4.57252838*	*18.62319067*	*59.40451054*	*1.67140283*	*32.64712910*
RelInt SD	*0.00003359*	*0.00006157*	*0.00025961*	*0.00023862*	*0.00009783*	*0.00001690*	*0.00013485*
Conc Mean	<0.00042805[mg/l]	0.00298893[mg/l]	<-0.05026428[mg/l]	<0.02728832[mg/l]	<-0.08121239[mg/l]	0.00045313[mg/l]	<0.00016632[mg/l]
Conc RSD	*50.99985467*	*47.85384500*	*1.58499237*	*766.77449670*	*33.66554167*	*2.26037294*	*557.67849767*
Conc SD	*0.00021831[mg/l]*	*0.00143032[mg/l]*	*0.00079669[mg/l]*	*0.20923984[mg/l]*	*0.02734059[mg/l]*	*0.00001024[mg/l]*	*0.00092755[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	17081.51800	9448.01140	9691.28560	6888.76890	5458.48280	5400.30770	1167.87250
Int RSD	*6.68909754*	*0.94851376*	*0.26422051*	*1.36991160*	*0.44419867*	*3.34829180*	*18.83168582*
Int SD	*1142.59940*	*89.61568800*	*25.60636400*	*94.37004400*	*24.24650800*	*180.81806000*	*219.93008000*
RelInt Mean	0.02468616	0.00033881	-0.00007326	0.00029174	0.00005719	0.00052877	-0.00022942
RelInt RSD	*2.37588412*	*6.14020011*	*60.35645956*	*27.14495152*	*130.63261304*	*36.18339857*	*149.32535173*
RelInt SD	*0.00058651*	*0.00002080*	*0.00004422*	*0.00007919*	*0.00007471*	*0.00019133*	*0.00034259*
Conc Mean	<0.00603219[mg/l]	<0.00070931[mg/l]	<0.00087322[mg/l]	0.00729794[mg/l]	<-0.00004072[mg/l]	<0.00324744[mg/l]	<-0.00003083[mg/l]
Conc RSD	*421.93973964*	*21.67442813*	*135.17529920*	*36.89144798*	*5669.79845*	*98.23756354*	*826.99840569*
Conc SD	*0.02545221[mg/l]*	*0.00015374[mg/l]*	*0.00118038[mg/l]*	*0.00269231[mg/l]*	*0.00230875[mg/l]*	*0.00319021[mg/l]*	*0.00025495[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	79817.45800	4925.54440	17832.36900	1067561	18150078	385193	6891.91250
Int RSD	*4.46515774*	*0.18498463*	*1.22949890*	*0.21430330*	*1.19658125*	*0.45987471*	*1.02709276*
Int SD	*3563.97540*	*9.11150000*	*219.24878000*	*2287.81910*	*217180*	*1771.40520*	*70.78633400*
RelInt Mean	0.00069645	-0.00044915	0.00018372	---	---	---	0.00062690
RelInt RSD	*29.84246049*	*7.35260272*	*4.20484654*	---	---	---	*2.20088307*
RelInt SD	*0.00020784*	*0.00003302*	*0.00000773*	---	---	---	*0.00001380*
Conc Mean	<-0.00320718[mg/l]	<-0.01805706[mg/l]	<-0.00279306[mg/l]	1056208	18070817	383707	0.00116316[mg/l]
Conc RSD	*52.85727230*	*11.51527500*	*42.48297098*	---	---	---	*3.15459481*
Conc SD	*0.00169523[mg/l]*	*0.00207932[mg/l]*	*0.00118657[mg/l]*	*2233.51770*	*217100*	*1629.80650*	*0.00003669[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	121.94728000	6067.80150	11166.06600	6123.62560	8922.92810	7620.06310	
Int RSD	*33.24385423*	*16.38587864*	*0.33100247*	*0.66191888*	*0.35267515*	*0.59895159*	
Int SD	*40.53997600*	*994.26259000*	*36.95995400*	*40.53343400*	*31.46895000*	*45.64048900*	
RelInt Mean	-0.00039149	0.00083918	0.00296444	0.00034006	0.00035025	0.00047388	
RelInt RSD	*8.72374298*	*30.51272447*	*1.41767740*	*14.47561819*	*12.24991777*	*14.32357068*	
RelInt SD	*0.00003415*	*0.00025606*	*0.00004203*	*0.00004923*	*0.00004290*	*0.00006788*	
Conc Mean	<0.00002405[mg/l]	<-0.00210491[mg/l]	0.02741289[mg/l]	<0.00300877[mg/l]	0.00055713[mg/l]	0.02098924[mg/l]	
Conc RSD	*382.67185097*	*115.27314534*	*1.66680913*	*27.29175362*	*22.27325089*	*11.39329613*	
Conc SD	*0.00009202[mg/l]*	*0.00242639[mg/l]*	*0.00045692[mg/l]*	*0.00082115[mg/l]*	*0.00012409[mg/l]*	*0.00239137[mg/l]*	

ENTHALPY SPIKE USER REPORT FOR 467771 METALS Wipe
EPA 6010B

Type : BS
Inst : MET06
Seqnum : 482338973057.2
File : met06_master
IDF : 1.0
Lab ID : QC1008206
Matrix : Wipe
Batch : 295524
Time : 23-AUG-2022 13:12
Cal : 482338973001
Units : ug/ft2

Type : BSD
Inst : MET06
Seqnum : 482338973058.2
File : met06_master
IDF : 1.0
Lab ID : QC1008207
Matrix : Wipe
Batch : 295524
Time : 23-AUG-2022 13:15
Cal : 482338973001

BS: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF
BSD: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Lead	100.0	1.046	104.6	A	105	1.026	102.6	A	103	80-120	2	20	!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	970979	1072343	10.44

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	970979	1065993	9.79

!=warning +=high bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BS,QC1008206,295524			Sample Type: Unknown Sample
Measure Date: 2022-08-23 13:12:34	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	351944	4812.91890	36977.46700	117066	343362	9885.88090	226269
Int RSD	*1.10514050*	*6.82591971*	*0.52072125*	*0.47044239*	*0.41939443*	*9.99101618*	*0.42654753*
Int SD	*3889.47390*	*328.52598000*	*192.54953000*	*550.72578000*	*1440.03980*	*987.69996000*	*965.14342000*
RelInt Mean	0.01582898	0.00862079	0.02985001	0.10310361	0.31482061	0.02573342	0.20480951
RelInt RSD	*1.58597397*	*9.57808246*	*0.50252241*	*0.47480589*	*0.25286495*	*11.75900172*	*0.54794223*
RelInt SD	*0.00025104*	*0.00082571*	*0.00015000*	*0.00048954*	*0.00079607*	*0.00302599*	*0.00112224*
Conc Mean	0.52020400[mg/l]	1.01531720[mg/l]	0.96687756[mg/l]	0.91405723[mg/l]	1.01231470[mg/l]	1.20769970[mg/l]	1.02426080[mg/l]
Conc RSD	*1.59048716*	*11.28373379*	*0.49997143*	*0.47655371*	*0.25484529*	*12.47162602*	*0.55309647*
Conc SD	*0.00827378[mg/l]*	*0.11456569[mg/l]*	*0.00483411[mg/l]*	*0.00435597[mg/l]*	*0.00257984[mg/l]*	*0.15061979[mg/l]*	*0.00566515[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	176243	845283	381639	4975.08030	3520.60650	1806973	164727
Int RSD	*0.66742484*	*1.24460500*	*0.55705362*	*9.66318513*	*7.12908443*	*0.23035019*	*0.73874974*
Int SD	*1176.29050*	*10520.43000*	*2125.93280*	*480.75122000*	*250.98701000*	*4162.36520*	*1216.92050*
RelInt Mean	0.15878966	0.04336522	0.34958308	0.01270769	0.00375789	1.69320620	0.14939991
RelInt RSD	*0.20287031*	*1.61350673*	*0.14248256*	*10.15780134*	*15.80721523*	*0.50152772*	*0.23818518*
RelInt SD	*0.00032214*	*0.00069970*	*0.00049809*	*0.00129082*	*0.00059402*	*0.00849190*	*0.00035585*
Conc Mean	1.03193410[mg/l]	0.99002402[mg/l]	1.00508690[mg/l]	10.04694800[mg/l]	1.01503210[mg/l]	1.02632590[mg/l]	1.02495840[mg/l]
Conc RSD	*0.20291088*	*1.64192774*	*0.15208005*	*11.26615466*	*16.35520295*	*0.50160621*	*0.23880576*
Conc SD	*0.00209391[mg/l]*	*0.01625548[mg/l]*	*0.00152854[mg/l]*	*1.13190470[mg/l]*	*0.16601056[mg/l]*	*0.00514811[mg/l]*	*0.00244766[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	27179.14000	159700	51623.71200	35228.69400	32323.52000	5082.57120	509561
Int RSD	*5.11831905*	*0.52047103*	*0.12429883*	*1.20535550*	*0.34513682*	*0.28846577*	*0.39457582*
Int SD	*1391.11510*	*831.19031000*	*64.16767200*	*424.63100000*	*111.56037000*	*14.66147800*	*2010.60470*
RelInt Mean	0.05146337	0.14164150	0.03919466	0.02683633	0.02527717	0.00009224	1.35151510
RelInt RSD	*2.77055209*	*0.20283821*	*0.73651320*	*0.93565876*	*0.21440392*	*38.84304331*	*0.20668502*
RelInt SD	*0.00142582*	*0.00028730*	*0.00028867*	*0.00025110*	*0.00005420*	*0.00003583*	*0.00279338*
Conc Mean	1.16804740[mg/l]	1.04494130[mg/l]	1.04601710[mg/l]	0.90357933[mg/l]	0.77934910[mg/l]	<-0.00403124[mg/l]	1.00593080[mg/l]
Conc RSD	*5.29725309*	*0.20318683*	*0.73652119*	*0.94488526*	*0.21490146*	*14.82030039*	*0.20665510*
Conc SD	*0.06187443[mg/l]*	*0.00212318[mg/l]*	*0.00770414[mg/l]*	*0.00853779[mg/l]*	*0.00167483[mg/l]*	*0.00059744[mg/l]*	*0.00207881[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2415680	21799.87200	141597	1072343	18284583	377525	422869
Int RSD	*2.03115284*	*0.19841257*	*1.67615857*	*0.58153362*	*0.50069171*	*0.59123515*	*0.25590508*
Int SD	*49066.15500*	*43.25368700*	*2373.39780*	*6236.03390*	*91549.39200*	*2232.06080*	*1082.14330*
RelInt Mean	0.12872105	0.01527137	0.00693616	---	---	---	0.39246390
RelInt RSD	*2.40563334*	*0.25938602*	*2.13256494*	---	---	---	*0.34028605*
RelInt SD	*0.00309656*	*0.00003961*	*0.00014792*	---	---	---	*0.00133550*
Conc Mean	1.04102020[mg/l]	0.96781975[mg/l]	1.03424820[mg/l]	1060813	18203956	375910	1.04114400[mg/l]
Conc RSD	*2.42617165*	*0.26203466*	*2.19732082*	---	---	---	*0.34064186*
Conc SD	*0.02525694[mg/l]*	*0.00253602[mg/l]*	*0.02272575[mg/l]*	*6210.56330*	*92060.97300*	*2226.52740*	*0.00354657[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	129999	43339.00500	389744	6633.84380	354856	7850.78990	
Int RSD	*0.98997137*	*9.06328837*	*0.57832639*	*0.93318599*	*0.52730659*	*0.67913924*	
Int SD	*1286.95070*	*3927.93900*	*2253.99100*	*61.90610100*	*1871.17850*	*53.31779500*	
RelInt Mean	0.34473979	0.09913068	0.35942277	0.00071057	0.32592236	0.00060001	
RelInt RSD	*1.34790594*	*8.61819994*	*0.03923366*	*5.36217002*	*0.05689883*	*5.97476952*	
RelInt SD	*0.00464677*	*0.00854328*	*0.00014101*	*0.00003810*	*0.00018545*	*0.00003585*	
Conc Mean	0.92995580[mg/l]	0.92930905[mg/l]	4.05263130[mg/l]	0.00918919[mg/l]	0.97728529[mg/l]	0.02543288[mg/l]	
Conc RSD	*1.34634345*	*8.71146805*	*0.03864655*	*6.91660560*	*0.05724862*	*4.96602901*	
Conc SD	*0.01252040[mg/l]*	*0.08095646[mg/l]*	*0.00156620[mg/l]*	*0.00063558[mg/l]*	*0.00055948[mg/l]*	*0.00126300[mg/l]*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BSD,QC1008207,295524			Sample Type: Unknown Sample
Measure Date: 2022-08-23 13:15:50	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	344874	4794.15180	36123.59800	114677	334992	9590.03890	220499
Int RSD	*1.44686080*	*8.62945099*	*0.48071604*	*0.31366276*	*0.39762347*	*10.75352051*	*0.67010207*
Int SD	*4989.85150*	*413.70898000*	*173.65193000*	*359.69908000*	*1332.00720*	*1031.26680*	*1477.57010*
RelInt Mean	0.01560095	0.00851546	0.02920868	0.10146316	0.30876076	0.02480153	0.20055187
RelInt RSD	*1.75820660*	*10.81177416*	*0.81698000*	*0.18879702*	*0.22138531*	*12.31742456*	*0.44166584*
RelInt SD	*0.00027430*	*0.00092067*	*0.00023863*	*0.00019156*	*0.00068355*	*0.00305491*	*0.00088577*
Conc Mean	0.51268851[mg/l]	1.00070280[mg/l]	0.94623978[mg/l]	0.89946042[mg/l]	0.99282519[mg/l]	1.16131440[mg/l]	1.00295270[mg/l]
Conc RSD	*1.76328348*	*12.76523859*	*0.81224072*	*0.18950457*	*0.22229378*	*13.09370830*	*0.43986304*
Conc SD	*0.00904015[mg/l]*	*0.12774210[mg/l]*	*0.00768574[mg/l]*	*0.00170452[mg/l]*	*0.00220699[mg/l]*	*0.15205912[mg/l]*	*0.00441162[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	171233	825366	369515	4806.36540	3549.17060	1762775	160418
Int RSD	*0.40418810*	*1.63704726*	*0.25084884*	*13.21454815*	*7.07474360*	*0.41109796*	*0.26914174*
Int SD	*692.10172000*	*13511.62900*	*926.92287000*	*635.13947000*	*251.09472000*	*7246.73080*	*431.75126000*
RelInt Mean	0.15490673	0.04273730	0.34016150	0.01240787	0.00379316	1.66147540	0.14620035
RelInt RSD	*0.29761683*	*1.88758710*	*0.21259083*	*13.11949115*	*12.32234792*	*0.23455086*	*0.03664200*
RelInt SD	*0.00046103*	*0.00080670*	*0.00072315*	*0.00162785*	*0.00046741*	*0.00389700*	*0.00005357*
Conc Mean	1.00669510[mg/l]	0.97543616[mg/l]	0.97617467[mg/l]	9.78404540[mg/l]	1.02488830[mg/l]	1.00708950[mg/l]	1.00295060[mg/l]
Conc RSD	*0.29767560*	*1.92133486*	*0.22733251*	*14.58946623*	*12.74541918*	*0.23458924*	*0.03674263*
Conc SD	*0.00299669[mg/l]*	*0.01874140[mg/l]*	*0.00221916[mg/l]*	*1.42744000[mg/l]*	*0.13062631[mg/l]*	*0.00236252[mg/l]*	*0.00036851[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	27393.67500	155525	50603.18400	35335.97800	31669.15400	5081.07330	498009
Int RSD	*7.01499634*	*0.34146737*	*0.28797660*	*0.14699322*	*0.16836790*	*0.39349114*	*0.20953658*
Int SD	*1921.66530*	*531.06833000*	*145.72533000*	*51.94149100*	*53.32068900*	*19.99357300*	*1043.51020*
RelInt Mean	0.05238256	0.13853065	0.03845204	0.02708266	0.02480697	0.00011654	1.32523460
RelInt RSD	*5.23365982*	*0.21904336*	*0.25434313*	*0.55960945*	*0.33058855*	*12.65281402*	*0.44979450*
RelInt SD	*0.00274153*	*0.00030344*	*0.00009780*	*0.00015156*	*0.00008201*	*0.00001475*	*0.00596083*
Conc Mean	1.20793630[mg/l]	1.02195200[mg/l]	1.02625050[mg/l]	0.91210083[mg/l]	0.76481830[mg/l]	<-0.00362621[mg/l]	0.98637295[mg/l]
Conc RSD	*9.84906075*	*0.21942901*	*0.25289372*	*0.56512552*	*0.33136932*	*6.78004627*	*0.44973252*
Conc SD	*0.11897038[mg/l]*	*0.00224246[mg/l]*	*0.00259532[mg/l]*	*0.00515451[mg/l]*	*0.00253437[mg/l]*	*0.00024586[mg/l]*	*0.00443604[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2361542	21357.87600	138385	1065993	18086039	376388	410505
Int RSD	*1.61611960*	*0.46250599*	*1.70221444*	*0.29415384*	*0.58519010*	*0.61264801*	*0.42782281*
Int SD	*38165.34800*	*98.78145500*	*2355.61660*	*3135.65930*	*105838*	*2305.93140*	*1756.23570*
RelInt Mean	0.12712923	0.01497343	0.00683999	---	---	---	0.38310976
RelInt RSD	*1.72777472*	*0.56167309*	*1.96162269*	---	---	---	*0.18450341*
RelInt SD	*0.00219651*	*0.00008410*	*0.00013417*	---	---	---	*0.00070685*
Conc Mean	1.02803660[mg/l]	0.94912491[mg/l]	1.01948070[mg/l]	1054445	18005318	374709	1.01631740[mg/l]
Conc RSD	*1.74271052*	*0.55827599*	*2.02208036*	---	---	---	*0.18456630*
Conc SD	*0.01791570[mg/l]*	*0.00529874[mg/l]*	*0.02061472[mg/l]*	*3088.86610*	*106040*	*2369.52050*	*0.00187578[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	126607	42995.95700	380399	6476.68390	344618	7605.34040	
Int RSD	*0.55532729*	*10.14314206*	*0.35760114*	*0.28326077*	*0.43061120*	*0.30521236*	
Int SD	*703.08072000*	*4361.14100*	*1360.31070*	*18.34590500*	*1483.96560*	*23.21243900*	
RelInt Mean	0.33674423	0.09864522	0.35270836	0.00057974	0.31815023	0.00037544	
RelInt RSD	*1.20068106*	*9.67963028*	*0.11005794*	*3.07211427*	*0.28193587*	*8.59564398*	
RelInt SD	*0.00404322*	*0.00954849*	*0.00038818*	*0.00001781*	*0.00089698*	*0.00003227*	
Conc Mean	0.90841231[mg/l]	0.92470876[mg/l]	3.97687130[mg/l]	0.00700676[mg/l]	0.95395958[mg/l]	0.01752118[mg/l]	
Conc RSD	*1.19925555*	*9.78490449*	*0.11103705*	*4.24007773*	*0.28182285*	*6.48910761*	
Conc SD	*0.01089419[mg/l]*	*0.09048187[mg/l]*	*0.00441580[mg/l]*	*0.00029709[mg/l]*	*0.00268848[mg/l]*	*0.00113697[mg/l]*	

ENTHALPY INITIAL CALIBRATION FOR 467771 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	482338973001	Date:	23-AUG-2022 09:33
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master	482338973002	L1	23-AUG-2022 09:37	S17110, S13369 (100X)
L2	met06_master	482338973003	L2	23-AUG-2022 09:40	S17109, S13369 (100X)
L3	met06_master	482338973004	L3	23-AUG-2022 09:43	S17108, S13369 (100X)
L4	met06_master	482338973005	L4	23-AUG-2022 09:46	S17107, S13369 (100X)

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	0.0223	0.0396	0.0393	0.0375	WB1K	0.00283	26.6219		0.0347	1.000		5	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
WB1K: Linear regression with ICALBLK weighting factor of 1000

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D
Lead	A	0.0033	**44**	0.1000	8	1.0000	5	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 467771 METALS Wipe
EPA 6010B

Inst : MET06
Calnum : 482338973001 Cal Date : 23-AUG-2022

ICV 482338973010 (23-AUG-2022) stds: S17024, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	1.041	mg/l	4	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICALBLK,CALBLANK			Sample Type: Calibration Sample
Measure Date: 2022-08-23 09:33:48	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	55161.56300	1638.25140	4515.37790	6938.65240	8203.59820	754.60694000	7614.11590
Int RSD	*0.87933950*	*15.81390500*	*0.72139063*	*0.22637958*	*0.94362068*	*15.81373609*	*0.37615993*
Int SD	*485.05741000*	*259.07152000*	*32.57351300*	*15.70769200*	*77.41084900*	*119.33155000*	*28.64125300*
RelInt Mean	0.00004490	0.00130310	-0.00019407	0.00037848	0.00018738	0.00146644	0.00000544
RelInt RSD	*24.33613782*	*22.72425977*	*9.60422905*	*15.81001255*	*20.89897445*	*26.33732007*	*443.81252046*
RelInt SD	*0.00001093*	*0.00029612*	*0.00001864*	*0.00005984*	*0.00003916*	*0.00038622*	*0.00002416*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6511.37000	59616.07400	30468.65500	586.17855000	1751.95740	9198.46710	5613.12840
Int RSD	*0.53368838*	*0.31431697*	*38.81505436*	*36.65035850*	*16.45473800*	*0.22013166*	*2.58216256*
Int SD	*34.75042500*	*187.38344000*	*11826.42500*	*214.83654000*	*288.28000000*	*20.24873800*	*144.94010000*
RelInt Mean	0.00002399	0.00075322	0.02206041	0.00125017	0.00012440	0.00017194	0.00038854
RelInt RSD	*32.31736313*	*2.03864862*	*56.33329488*	*35.42576468*	*141.78761901*	*21.29526761*	*45.95071252*
RelInt SD	*0.00000775*	*0.00001536*	*0.01242735*	*0.00044288*	*0.00017638*	*0.00003662*	*0.00017854*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	16132.24100	8347.79550	8429.68490	5893.08330	4729.51110	4702.28700	979.89382000
Int RSD	*6.60321030*	*0.80648731*	*0.25671387*	*0.29191586*	*1.48632540*	*1.86560905*	*17.89274169*
Int SD	*1065.24580*	*67.32391100*	*21.64017000*	*17.20284500*	*70.29592500*	*87.72629200*	*175.32987000*
RelInt Mean	0.02452178	0.00023845	-0.00010827	0.00007568	0.00005858	0.00033367	-0.00020615
RelInt RSD	*1.79742324*	*15.00242105*	*40.96287790*	*28.82524286*	*138.09401652*	*36.58643101*	*112.26970072*
RelInt SD	*0.00044076*	*0.00003577*	*0.00004435*	*0.00002181*	*0.00008089*	*0.00012208*	*0.00023144*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	78254.12500	4353.51900	16364.46300	970979	17553115	370837	5645.52260
Int RSD	*6.41975423*	*0.49484778*	*0.57455798*	*0.32531652*	*0.42123699*	*1.17838941*	*0.48942644*
Int SD	*5023.72250*	*21.54329200*	*94.02332800*	*3158.75630*	*73940.21400*	*4369.90840*	*27.63068000*
RelInt Mean	0.00108985	-0.00016276	0.00020187	---	---	---	0.00018701
RelInt RSD	*29.44119497*	*4.34586868*	*1.19803299*	---	---	---	*7.24237875*
RelInt SD	*0.00032087*	*0.00000707*	*0.00000242*	---	---	---	*0.00001354*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	76.62965400	5749.78810	7545.70660	5638.41100	7759.15410	6733.78040	
Int RSD	*62.03175340*	*14.52324373*	*0.27990432*	*1.77052031*	*0.09705890*	*0.56121769*	
Int SD	*47.53471800*	*835.05574000*	*21.12075900*	*99.82921200*	*7.53094960*	*37.79116700*	
RelInt Mean	-0.00040040	0.00106130	0.00055036	0.00015969	0.00016505	-0.00012188	
RelInt RSD	*26.66102536*	*22.52885669*	*9.17801133*	*75.49118676*	*11.38218127*	*24.42712619*	
RelInt SD	*0.00010675*	*0.00023910*	*0.00005051*	*0.00012055*	*0.00001879*	*0.00002977*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L1,S17110			Sample Type: Calibration Sample
Measure Date: 2022-08-23 09:37:05	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	57486.22900	1820.52760	4751.33520	7507.88350	9461.50340	1501.34880	8117.48560
Int RSD	*0.28892215*	*9.58244028*	*0.09889886*	*0.35025547*	*0.52907189*	*11.93799136*	*0.21726210*
Int SD	*166.09045000*	*174.45097000*	*4.69901630*	*26.29677300*	*50.05815500*	*179.23089000*	*17.63622000*
RelInt Mean	0.00004285	0.00159577	0.00000021	0.00076799	0.00129886	0.00334087	0.00033674
RelInt RSD	*45.57108644*	*32.87283702*	*8554.48267*	*4.74518679*	*0.74279046*	*8.13343207*	*2.34920218*
RelInt SD	*0.00001953*	*0.00052457*	*0.00001801*	*0.00003644*	*0.00000965*	*0.00027173*	*0.00000791*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7295.79450	63758.22900	20278.78600	854.05747000	2023.46340	15672.60600	5968.47360
Int RSD	*0.38456906*	*0.16721010*	*18.11858609*	*19.26330906*	*3.65179958*	*0.60055161*	*1.05543193*
Int SD	*28.05736800*	*106.61020000*	*3674.22930*	*164.51973000*	*73.89282800*	*94.12208800*	*62.99317600*
RelInt Mean	0.00065808	0.00085993	0.01090748	0.00182788	0.00044471	0.00645435	0.00065721
RelInt RSD	*2.13865434*	*0.64302149*	*34.88192052*	*19.40354539*	*45.51424459*	*1.15728249*	*10.23534579*
RelInt SD	*0.00001407*	*0.00000553*	*0.00380474*	*0.00035467*	*0.00020241*	*0.00007470*	*0.00006727*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	21034.67000	8971.58070	8764.14020	6239.82810	5098.05220	4757.47570	9309.33930
Int RSD	*9.09035939*	*0.65823049*	*0.64189011*	*0.84920572*	*0.81081043*	*0.37417484*	*11.70922194*
Int SD	*1912.12710*	*59.05368000*	*56.25614900*	*52.98897700*	*41.33553900*	*17.80127700*	*1090.05120*
RelInt Mean	0.03744732	0.00066023	0.00007443	0.00030670	0.00034867	0.00030783	0.02196518
RelInt RSD	*6.84824897*	*2.84759271*	*32.28236501*	*10.37447065*	*10.41482274*	*1.92499511*	*13.98588284*
RelInt SD	*0.00256449*	*0.00001880*	*0.00002403*	*0.00003182*	*0.00003631*	*0.00000593*	*0.00307202*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	75510.78600	4526.02900	17054.97900	994585	17763203	372492	10433.02100
Int RSD	*1.63110963*	*0.40258361*	*0.27377025*	*0.31287333*	*0.19692440*	*0.77476044*	*0.40869433*
Int SD	*1231.66370*	*18.22105100*	*46.69145800*	*3111.79120*	*34980.08100*	*2885.92120*	*42.63916500*
RelInt Mean	0.00078498	0.00001850	0.00020377	---	---	---	0.00490641
RelInt RSD	*9.48448773*	*25.85939455*	*4.96911806*	---	---	---	*1.10472757*
RelInt SD	*0.00007445*	*0.00000478*	*0.00001013*	---	---	---	*0.00005420*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	289.10775000	5832.02400	16832.51000	66382.00200	8503.40820	36256.42400	
Int RSD	*54.82242520*	*17.12901627*	*0.34454531*	*0.47716411*	*0.48481849*	*0.50993697*	
Int SD	*158.49588000*	*998.96834000*	*57.99562400*	*316.75109000*	*41.22609500*	*184.88491000*	
RelInt Mean	-0.00008103	0.00114088	0.00979514	0.06167094	0.00074995	0.02969549	
RelInt RSD	*225.12291507*	*21.16809657*	*0.79722008*	*0.66766392*	*4.14515659*	*0.86129138*	
RelInt SD	*0.00018242*	*0.00024150*	*0.00007809*	*0.00041175*	*0.00003109*	*0.00025576*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L2,S17109			Sample Type: Calibration Sample
Measure Date: 2022-08-23 09:40:22	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	58279.85000	2317.48140	7988.05510	18619.67200	40828.18500	762.38100000	18083.87600
Int RSD	*0.13212276*	*5.71837254*	*0.25113450*	*0.70090402*	*0.38303760*	*32.98313704*	*0.33765899*
Int SD	*77.00094900*	*132.52222000*	*20.06076200*	*130.50603000*	*156.38730000*	*251.45717000*	*61.06183300*
RelInt Mean	0.00003557	0.00281675	0.00320280	0.01193017	0.03299829	0.00137033	0.01031410
RelInt RSD	*48.07335676*	*3.69049439*	*0.54905150*	*0.99715277*	*0.49116883*	*23.71769838*	*0.58125022*
RelInt SD	*0.00001710*	*0.00010395*	*0.00001759*	*0.00011896*	*0.00016208*	*0.00032501*	*0.00005995*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	23464.01700	131443	83915.82600	722.48825000	1858.87360	182892	20417.77700
Int RSD	*0.88455741*	*0.88375377*	*3.19381495*	*21.39851963*	*15.60262408*	*0.19485686*	*0.76791577*
Int SD	*207.55270000*	*1161.63530*	*2680.11620*	*154.60179000*	*290.03306000*	*356.37701000*	*156.79133000*
RelInt Mean	0.01690552	0.00463197	0.07534656	0.00148838	0.00011399	0.17597473	0.01522575
RelInt RSD	*1.21006017*	*1.07330173*	*3.63381248*	*19.78073607*	*363.36718533*	*0.22277643*	*1.09890895*
RelInt SD	*0.00020457*	*0.00004972*	*0.00273795*	*0.00029441*	*0.00041420*	*0.00039203*	*0.00016732*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	17263.12600	22778.50300	12757.16200	14785.75000	14373.64000	10741.99300	256230
Int RSD	*9.03930667*	*0.49884859*	*0.96332672*	*0.40823447*	*1.04009193*	*0.48383321*	*0.28989965*
Int SD	*1560.46690*	*113.63024000*	*122.89315000*	*60.36052800*	*149.49907000*	*51.97333000*	*742.81059000*
RelInt Mean	0.02707453	0.01454299	0.00395856	0.00887344	0.00968776	0.00631993	0.69077238
RelInt RSD	*6.63441655*	*0.85640889*	*3.46720596*	*0.91133679*	*1.45497226*	*0.84584690*	*0.36173786*
RelInt SD	*0.00179624*	*0.00012455*	*0.00013725*	*0.00008087*	*0.00014095*	*0.00005346*	*0.00249879*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	289006	8961.19580	23141.69600	995231	17767945	370554	119156
Int RSD	*0.78544164*	*1.84856222*	*0.13289501*	*0.01125021*	*0.42289566*	*0.20700451*	*0.16356414*
Int SD	*2269.97120*	*165.65328000*	*30.75415900*	*111.96559000*	*75139.86900*	*767.06270000*	*194.89699000*
RelInt Mean	0.01278040	0.00445912	0.00053610	---	---	---	0.11515510
RelInt RSD	*0.68509424*	*3.78573346*	*0.43023178*	---	---	---	*0.18857811*
RelInt SD	*0.00008756*	*0.00016881*	*0.00000231*	---	---	---	*0.00021716*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6481.09320	9932.93350	8202.93710	5787.70150	25365.75700	6899.30020	
Int RSD	*5.11518581*	*8.29750073*	*0.41564488*	*1.68409674*	*0.53413553*	*0.70010131*	
Int SD	*331.51996000*	*824.18523000*	*34.09508800*	*97.47049200*	*135.48752000*	*48.30209100*	
RelInt Mean	0.01656634	0.01210506	0.00090637	0.00014224	0.01769955	-0.00017396	
RelInt RSD	*4.61541719*	*4.65536751*	*0.62599980*	*67.22163074*	*0.65478248*	*38.37785283*	
RelInt SD	*0.00076461*	*0.00056354*	*0.00000567*	*0.00009562*	*0.00011589*	*0.00006676*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L3,S17108			Sample Type: Calibration Sample
Measure Date: 2022-08-23 09:43:39	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	58777.09700	7030.74420	36948.41700	118179	324518	747.60644000	107288
Int RSD	*0.43788410*	*14.72874948*	*0.28392434*	*0.45579431*	*0.25634552*	*21.41043087*	*1.50776918*
Int SD	*257.37556000*	*1035.54070*	*104.90555000*	*538.65539000*	*831.88762000*	*160.06576000*	*1617.65570*
RelInt Mean	0.00004339	0.01566298	0.03223881	0.11197011	0.31829348	0.00147783	0.09987100
RelInt RSD	*42.79243462*	*14.92816024*	*0.13464844*	*0.28606692*	*0.06868201*	*31.41325972*	*1.83103148*
RelInt SD	*0.00001857*	*0.00233820*	*0.00004341*	*0.00032031*	*0.00021861*	*0.00046424*	*0.00182867*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	165229	784941	688423	619.02758000	1777.18370	1737320	150380
Int RSD	*0.28012539*	*1.49403275*	*0.22351880*	*29.57714744*	*12.08848022*	*0.45880256*	*0.44570132*
Int SD	*462.84734000*	*11727.27800*	*1538.75510*	*183.09070000*	*214.83450000*	*7970.86680*	*670.24574000*
RelInt Mean	0.15924047	0.04142748	0.68337584	0.00136607	-0.00014350	1.74011120	0.14581098
RelInt RSD	*0.38563463*	*1.45788139*	*0.00502232*	*28.32268768*	*39.95712763*	*0.41882013*	*0.57560161*
RelInt SD	*0.00061409*	*0.00060396*	*0.00003432*	*0.00038691*	*0.00005734*	*0.00728794*	*0.00083929*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	17427.48800	147304	48062.88800	95352.44900	101399	64923.25800	2464779
Int RSD	*10.10881316*	*0.33117460*	*0.21844255*	*0.26606039*	*0.23413827*	*0.44708842*	*0.48449360*
Int SD	*1761.71220*	*487.83429000*	*104.98980000*	*253.69510000*	*237.41436000*	*290.26437000*	*11941.69400*
RelInt Mean	0.02756128	0.13959175	0.03925493	0.08980911	0.09714215	0.06069684	6.71651590
RelInt RSD	*5.10917289*	*0.31818751*	*0.04016638*	*0.33674223*	*0.34218612*	*0.38661419*	*0.39913468*
RelInt SD	*0.00140815*	*0.00044416*	*0.00001577*	*0.00030243*	*0.00033241*	*0.00023466*	*0.02680794*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2264368	52059.83800	75563.40100	1002896	17783625	368128	1127586
Int RSD	*2.05504000*	*0.66778335*	*1.48040544*	*0.21613059*	*0.50831273*	*0.13582746*	*0.50004068*
Int SD	*46533.66400*	*347.64693000*	*1118.64470*	*2167.56570*	*90396.42900*	*500.01853000*	*5638.38920*
RelInt Mean	0.12410585	0.04767007	0.00348315	---	---	---	1.12974020
RelInt RSD	*1.99849217*	*0.95419751*	*1.27786476*	---	---	---	*0.45263245*
RelInt SD	*0.00248025*	*0.00045487*	*0.00004451*	---	---	---	*0.00511357*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	66003.72000	44616.68200	9635.16980	6206.89140	174576	7325.18640	
Int RSD	*10.74648293*	*10.97638188*	*0.40457325*	*0.63298788*	*0.36839058*	*0.89815196*	
Int SD	*7093.07850*	*4897.29740*	*38.98132000*	*39.28887000*	*643.11981000*	*65.79130500*	
RelInt Mean	0.17917544	0.10609167	0.00217558	0.00040863	0.16756252	0.00013017	
RelInt RSD	*10.88830143*	*9.45387513*	*3.51169381*	*7.96332944*	*0.19597356*	*45.58115472*	
RelInt SD	*0.01950916*	*0.01002977*	*0.00007640*	*0.00003254*	*0.00032838*	*0.00005933*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L4,S17107			Sample Type: Calibration Sample
Measure Date: 2022-08-23 09:46:55	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	65994.01800	53541.78100	309542	1109440	3043357	883.44531000	987525
Int RSD	*6.86553242*	*8.54322739*	*0.36629349*	*0.47243319*	*0.45411286*	*14.69074526*	*0.11299859*
Int SD	*4530.84070*	*4574.19610*	*1133.83190*	*5241.36140*	*13820.27500*	*129.78470000*	*1115.88950*
RelInt Mean	0.00014314	0.14545323	0.31007808	1.12429480	3.09578700	0.00184537	0.99801772
RelInt RSD	*190.50441159*	*9.18182979*	*0.40868606*	*0.55816586*	*0.55816059*	*13.35015093*	*0.11050480*
RelInt SD	*0.00027269*	*0.01335527*	*0.00126725*	*0.00627543*	*0.01727946*	*0.00024636*	*0.00110286*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	1516332	7553943	6418624	724.35864000	2030.51380	16166817	1431961
Int RSD	*0.39710825*	*1.95362467*	*0.41159167*	*20.55314616*	*2.17486096*	*0.27050293*	*0.60816455*
Int SD	*6021.47910*	*147576*	*26418.52200*	*148.87849000*	*44.16085200*	*43731.71300*	*8708.67790*
RelInt Mean	1.53792300	0.43141772	6.53854580	0.00151042	0.00017955	16.48579200	1.45420710
RelInt RSD	*0.47539822*	*2.20043057*	*0.46813428*	*16.58325169*	*68.75361280*	*0.07639998*	*0.61015159*
RelInt SD	*0.00731126*	*0.00949305*	*0.03060917*	*0.00025048*	*0.00012345*	*0.01259514*	*0.00887287*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	16533.33400	1336037	378296	872864	5741.30510	593387	21961262
Int RSD	*9.44399115*	*0.15281434*	*0.17117399*	*0.06684667*	*1.15885644*	*0.23921429*	*1.40216409*
Int SD	*1561.40660*	*2041.65550*	*647.54409000*	*583.48027000*	*66.53348400*	*1419.46600*	*307933*
RelInt Mean	0.02573402	1.35299280	0.37534156	0.88245943	0.00004913	0.60003048	61.38664700
RelInt RSD	*5.52879094*	*0.32674954*	*0.17472332*	*0.23563371*	*176.33497408*	*0.12345009*	*1.46483143*
RelInt SD	*0.00142278*	*0.00442090*	*0.00065581*	*0.00207937*	*0.00008663*	*0.00074074*	*0.89921090*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	21373034	472269	583680	991041	17413037	359240	10877824
Int RSD	*1.46338756*	*0.24493657*	*1.58951145*	*0.20658874*	*0.35311594*	*0.75602354*	*0.12390576*
Int SD	*312770*	*1156.75980*	*9277.66170*	*2047.37940*	*61488.21000*	*2715.93520*	*13478.25000*
RelInt Mean	1.22707580	0.47559526	0.03274276	---	---	---	11.09121600
RelInt RSD	*1.69198064*	*0.20129820*	*1.81097189*	---	---	---	*0.22159255*
RelInt SD	*0.02076189*	*0.00095736*	*0.00059296*	---	---	---	*0.02457731*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	664728	385802	23183.12200	10012.26100	1638477	9246.28010	
Int RSD	*0.42865830*	*0.63286291*	*0.56853926*	*0.51244765*	*0.50310532*	*1.22747850*	
Int SD	*2849.41270*	*2441.59890*	*131.80515000*	*51.30759600*	*8243.26340*	*113.49610000*	
RelInt Mean	1.85587450	1.05639930	0.01569329	0.00356462	1.66067910	0.00149757	
RelInt RSD	*0.45596454*	*0.25457931*	*1.20981070*	*1.28853655*	*0.59825485*	*10.31296315*	
RelInt SD	*0.00846213*	*0.00268937*	*0.00018986*	*0.00004593*	*0.00993509*	*0.00015444*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L5,S16645			Sample Type: Calibration Sample
Measure Date: 2022-08-23 09:50:13	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	1117723	1886.27660	4851.80740	9955.17360	8797.38390	874.29483000	8088.83450
Int RSD	*1.28916225*	*3.00416164*	*0.80776875*	*4.20566840*	*1.89610550*	*24.93118140*	*0.66564211*
Int SD	*14409.26300*	*56.66679800*	*39.19138400*	*418.68159000*	*166.80768000*	*217.97203000*	*53.84268900*
RelInt Mean	0.06072910	0.00122698	-0.00002573	0.00303993	0.00033714	0.00172786	0.00004637
RelInt RSD	*1.48943526*	*9.54314118*	*78.85729241*	*14.40290560*	*57.83385804*	*19.12566244*	*160.73417629*
RelInt SD	*0.00090452*	*0.00011709*	*0.00002029*	*0.00043784*	*0.00019498*	*0.00033047*	*0.00007453*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7173.76910	68893.32100	15448.43200	863.47210000	1953.83200	10580.59400	8923.78080
Int RSD	*2.95117109*	*7.22866401*	*15.98315026*	*24.04475952*	*1.20134208*	*5.28113941*	*16.92388051*
Int SD	*211.71020000*	*4980.06670*	*2469.14610*	*207.61979000*	*23.47220600*	*558.77592000*	*1510.25000*
RelInt Mean	0.00028708	0.00111217	0.00573921	0.00183983	-0.00027606	0.00099986	0.00345699
RelInt RSD	*70.71207071*	*26.57702221*	*44.89019451*	*28.50364743*	*138.79792061*	*55.74928822*	*45.40882628*
RelInt SD	*0.00020300*	*0.00029558*	*0.00257634*	*0.00052442*	*0.00038316*	*0.00055742*	*0.00156978*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	18826.18600	8842.22410	8930.38270	6436.26930	4931.11890	5345.66050	1845.98280
Int RSD	*8.54522419*	*0.53077391*	*0.16322513*	*1.81215444*	*0.86572108*	*6.11512609*	*2.56095436*
Int SD	*1608.73980*	*46.93221900*	*14.57662900*	*116.63514000*	*42.68973600*	*326.89388000*	*47.27477700*
RelInt Mean	0.03151069	0.00026656	-0.00008926	0.00030604	-0.00000136	0.00076347	0.00131085
RelInt RSD	*5.13809519*	*21.88987178*	*33.53466361*	*44.92167651*	*4167.68719*	*45.13084155*	*20.91003915*
RelInt SD	*0.00161905*	*0.00005835*	*0.00002993*	*0.00013748*	*0.00005668*	*0.00034456*	*0.00027410*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	116085	6787.15190	17832.93800	989476	17490125	362444	6661.64520
Int RSD	*12.29467020*	*22.12731676*	*1.95577066*	*0.27707224*	*0.16285635*	*0.46988883*	*5.79803680*
Int SD	*14272.32200*	*1501.81460*	*348.77137000*	*2741.56260*	*28483.78000*	*1703.08320*	*386.24464000*
RelInt Mean	0.00304281	0.00215433	0.00023363	---	---	---	0.00090510
RelInt RSD	*27.18838294*	*71.55579497*	*11.27043093*	---	---	---	*39.90934037*
RelInt SD	*0.00082729*	*0.00154155*	*0.00002633*	---	---	---	*0.00036122*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	243.21480000	5907.23700	7874.53520	5787.82810	8317.35570	6918.81880	
Int RSD	*59.74131920*	*17.33693603*	*0.16868889*	*1.53896915*	*0.38975309*	*0.07239674*	
Int SD	*145.29973000*	*1024.13390*	*13.28346600*	*89.07288900*	*32.41715100*	*5.00899940*	
RelInt Mean	-0.00047121	0.00085767	0.00044326	0.00007507	0.00030731	-0.00016160	
RelInt RSD	*90.61827681*	*7.50301688*	*1.44797106*	*121.92148909*	*6.69710820*	*11.13352682*	
RelInt SD	*0.00042700*	*0.00006435*	*0.00000642*	*0.00009153*	*0.00002058*	*0.00001799*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L6,S17115			Sample Type: Calibration Sample
Measure Date: 2022-08-23 09:53:29	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	59593.71700	2220.77570	4856.55430	8681.40420	8818.45340	73722.87400	8156.17320
Int RSD	*0.17762448*	*13.43712830*	*0.93280118*	*1.11316874*	*0.10403782*	*10.40626712*	*0.35340603*
Int SD	*105.85303000*	*298.40848000*	*45.30199600*	*96.63867800*	*9.17452650*	*7671.79920*	*28.82440800*
RelInt Mean	0.00006889	0.00119536	-0.00009304	0.00161339	0.00015916	0.20654422	-0.00002376
RelInt RSD	*25.16959866*	*31.84090519*	*65.79199423*	*7.23693220*	*25.33551556*	*10.09871058*	*133.05864280*
RelInt SD	*0.00001734*	*0.00038061*	*0.00006121*	*0.00011676*	*0.00004032*	*0.02085830*	*0.00003162*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7090.41330	62444.66000	13432.90100	21375.63300	15401.58700	10006.89800	6154.91360
Int RSD	*0.34967148*	*0.38090962*	*5.11478801*	*6.73469413*	*3.12034961*	*0.11598854*	*2.06147865*
Int SD	*24.79315300*	*237.85772000*	*687.06441000*	*1439.58350*	*480.58336000*	*11.60685500*	*126.88223000*
RelInt Mean	0.00011323	0.00071384	0.00357280	0.05951517	0.03750522	0.00023953	0.00057017
RelInt RSD	*26.48325039*	*1.13328395*	*21.13591203*	*6.07827725*	*4.41295235*	*20.12941774*	*25.61843348*
RelInt SD	*0.00002999*	*0.00000809*	*0.00075514*	*0.00361750*	*0.00165509*	*0.00004822*	*0.00014607*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	438643	8972.41090	9100.92050	6324.56270	4994.18440	4883.48080	1464.97310
Int RSD	*0.84851133*	*0.63888144*	*0.60813665*	*0.62937491*	*0.69011375*	*0.81086161*	*15.08732959*
Int SD	*3721.93520*	*57.32306800*	*55.34603300*	*39.80521100*	*34.46555300*	*39.59827100*	*221.02532000*
RelInt Mean	1.21094230	0.00024688	-0.00006687	0.00009024	0.00002198	0.00022741	0.00036756
RelInt RSD	*0.04499020*	*35.97700400*	*98.16236539*	*55.68762661*	*104.50793703*	*17.76817312*	*108.71893238*
RelInt SD	*0.00054481*	*0.00008882*	*0.00006564*	*0.00005025*	*0.00002297*	*0.00004041*	*0.00039961*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	76897.02800	4637.00280	17442.21800	982221	17346598	356815	6215.95250
Int RSD	*1.73208736*	*0.25057904*	*0.79941473*	*0.31422639*	*0.85766033*	*0.70652611*	*0.29628150*
Int SD	*1331.92370*	*11.61935700*	*139.43566000*	*3086.39630*	*148775*	*2520.99120*	*18.41671700*
RelInt Mean	0.00076908	-0.00010641	0.00019297	---	---	---	0.00037844
RelInt RSD	*12.37590655*	*15.91122053*	*2.19467304*	---	---	---	*7.38667600*
RelInt SD	*0.00009518*	*0.00001693*	*0.00000424*	---	---	---	*0.00002795*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	193.56103000	6043.58780	864820	5968.69770	8297.17850	6997.04470	
Int RSD	*58.35248965*	*16.55840592*	*0.44694878*	*0.23526450*	*0.56566975*	*0.72803648*	
Int SD	*112.94768000*	*1000.72180*	*3865.30240*	*14.04222700*	*46.93462900*	*50.94103800*	
RelInt Mean	-0.00054468	0.00109591	0.88106776	0.00018962	0.00017355	-0.00019073	
RelInt RSD	*112.14689739*	*16.21321203*	*0.15313101*	*5.95802199*	*16.37011278*	*27.00399876*	
RelInt SD	*0.00061084*	*0.00017768*	*0.00134919*	*0.00001130*	*0.00002841*	*0.00005151*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L7,S17113			Sample Type: Calibration Sample
Measure Date: 2022-08-23 09:56:45	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	59194.85500	1910.48030	4797.12000	8172.43290	8653.97530	840.64280000	8134.94740
Int RSD	*0.49710734*	*6.90071444*	*0.71764623*	*0.32318650*	*0.21235827*	*8.83422959*	*0.43818100*
Int SD	*294.26197000*	*131.83679000*	*34.42635100*	*26.41220000*	*18.37743200*	*74.26431500*	*35.64579400*
RelInt Mean	0.00005214	0.00116533	-0.00012858	0.00113191	0.00012661	0.00150480	0.00001113
RelInt RSD	*9.60514040*	*23.52348882*	*14.33180413*	*1.88220328*	*18.70635225*	*17.91987429*	*245.19927239*
RelInt SD	*0.00000501*	*0.00027413*	*0.00001843*	*0.00002130*	*0.00002369*	*0.00026966*	*0.00002730*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7077.75600	62207.34800	11946.25800	975.46175000	2144.80080	10034.44100	5760.11460
Int RSD	*0.43690452*	*0.64731226*	*3.48093185*	*25.33107731*	*8.02908410*	*0.25154198*	*0.46067146*
Int SD	*30.92303600*	*402.67579000*	*415.84110000*	*247.09497000*	*172.20786000*	*25.24083200*	*26.53520400*
RelInt Mean	0.00013448	0.00069167	0.00203239	0.00208897	0.00016600	0.00035755	0.00020005
RelInt RSD	*17.54640485*	*1.15785392*	*20.71793846*	*26.45238739*	*52.56362284*	*4.87180041*	*35.85731449*
RelInt SD	*0.00002360*	*0.00000801*	*0.00042107*	*0.00055258*	*0.00008726*	*0.00001742*	*0.00007173*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	20640.72500	8874.34900	8973.61990	6214.20430	4994.60200	4685.03120	1320.47690
Int RSD	*8.55978945*	*0.82095985*	*0.03494372*	*0.76918974*	*0.54585859*	*0.56662397*	*1.02102112*
Int SD	*1766.80260*	*72.85484200*	*3.13571700*	*47.79902200*	*27.26346400*	*26.54651000*	*13.48234800*
RelInt Mean	0.03585609	0.00019029	-0.00009658	0.00002470	0.00002492	0.00005841	-0.00015034
RelInt RSD	*6.16891781*	*38.18903367*	*2.63406545*	*72.81474690*	*215.64360993*	*45.14231289*	*129.82738544*
RelInt SD	*0.00221193*	*0.00007267*	*0.00000254*	*0.00001799*	*0.00005373*	*0.00002637*	*0.00019518*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	65002.37000	4568.99630	17238.66400	1002995	17736144	364969	6147.59650
Int RSD	*0.51593148*	*0.35041477*	*1.31343166*	*0.62274869*	*0.20858212*	*1.04431408*	*0.98004619*
Int SD	*335.36769000*	*16.01043800*	*226.41807000*	*6246.13760*	*36994.42500*	*3811.42170*	*60.24928500*
RelInt Mean	0.00008968	-0.00015177	0.00019230	---	---	---	0.00033481
RelInt RSD	*5.86513126*	*19.11155442*	*4.93186288*	---	---	---	*17.68856404*
RelInt SD	*0.00000526*	*0.00002901*	*0.00000948*	---	---	---	*0.00005922*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	264.08190000	6082.84320	8444.68890	601470	8261.60880	288924	
Int RSD	*59.79555964*	*18.28876339*	*1.15245858*	*0.71944494*	*0.72258178*	*0.62597707*	
Int SD	*157.90925000*	*1112.47680*	*97.32154200*	*4327.24410*	*59.69688000*	*1808.59660*	
RelInt Mean	-0.00036556	0.00073981	0.00095038	0.59964384	0.00015871	0.28371965	
RelInt RSD	*72.71523931*	*8.17086110*	*12.35358036*	*0.30859056*	*55.76325994*	*0.24834510*	
RelInt SD	*0.00026582*	*0.00006045*	*0.00011741*	*0.00185044*	*0.00008850*	*0.00070460*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L8,S17048			Sample Type: Calibration Sample	
Measure Date: 2022-08-23 10:00:01	Recalculation Date:	State: Measured	Quality:	

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	58755.13600	5954.98370	5115.29720	8510.90470	9108.90910	1372076	8411.79890
Int RSD	*0.82091503*	*6.87195701*	*0.33091804*	*0.48111077*	*0.23337112*	*0.37214478*	*0.29177623*
Int SD	*482.32974000*	*409.22392000*	*16.92744100*	*40.94687900*	*21.25756300*	*5106.10740*	*24.54363000*
RelInt Mean	0.00003860	-0.00295232	-0.00009540	0.00099177	0.00024340	4.01931230	-0.00002098
RelInt RSD	*49.42134537*	*44.90974474*	*35.00585787*	*4.59631503*	*9.89990174*	*0.73881758*	*151.02548439*
RelInt SD	*0.00001908*	*0.00132588*	*0.00003340*	*0.00004558*	*0.00002410*	*0.02969539*	*0.00003169*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7504.51930	62686.85000	12307.45600	78433.30800	246938	10681.64900	5868.82960
Int RSD	*0.48822286*	*0.53619313*	*2.57823696*	*13.61603160*	*0.88398066*	*0.04914503*	*0.50223842*
Int SD	*36.63877900*	*336.12258000*	*317.31538000*	*10679.50400*	*2182.88700*	*5.24950000*	*29.47551700*
RelInt Mean	0.00003426	0.00072868	0.00198368	0.22932975	0.71568129	0.00052835	0.00002740
RelInt RSD	*90.77876235*	*1.00731216*	*17.52082931*	*14.11123720*	*0.55375644*	*3.63864719*	*104.99695427*
RelInt SD	*0.00003110*	*0.00000734*	*0.00034756*	*0.03236127*	*0.00396313*	*0.00001922*	*0.00002876*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	1588855	9182.26020	9310.26970	6437.62690	5099.87040	4880.33890	2264.86570
Int RSD	*0.37343098*	*0.16578888*	*0.30720219*	*0.22994399*	*0.68222314*	*0.70723259*	*8.98285713*
Int SD	*5933.27560*	*15.22316600*	*28.60135200*	*14.80293600*	*34.79249600*	*34.51534700*	*203.44965000*
RelInt Mean	4.62447770	0.00018073	-0.00009271	0.00004600	-0.00000658	0.00004874	0.00310088
RelInt RSD	*0.42935175*	*5.44441436*	*30.10728400*	*45.06421122*	*436.66748326*	*62.38373450*	*16.27067041*
RelInt SD	*0.01985528*	*0.00000984*	*0.00002791*	*0.00002073*	*0.00002873*	*0.00003041*	*0.00050453*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	67370.76300	4739.54490	18281.75600	947095	17062837	342699	6441.12210
Int RSD	*0.46498666*	*0.15209732*	*0.56871621*	*0.17645454*	*0.17547598*	*0.55982517*	*0.74666642*
Int SD	*313.26506000*	*7.20872060*	*103.97131000*	*1671.19230*	*29941.18000*	*1918.51790*	*48.09369600*
RelInt Mean	0.00016747	-0.00013659	0.00020067	---	---	---	0.00045316
RelInt RSD	*5.03472161*	*22.50492954*	*4.24060357*	---	---	---	*9.61694899*
RelInt SD	*0.00000843*	*0.00003074*	*0.00000851*	---	---	---	*0.00004358*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	155.76533000	5908.58720	8650.31640	6239.43870	8560.17730	7345.99180	
Int RSD	*101.05762303*	*19.05905358*	*0.44677050*	*0.99749117*	*0.26307094*	*0.80846977*	
Int SD	*157.41274000*	*1126.12080*	*38.64706200*	*62.23785000*	*22.51933900*	*59.39012300*	
RelInt Mean	-0.00046006	0.00146554	0.00060051	0.00032945	0.00014157	-0.00007967	
RelInt RSD	*18.77722996*	*25.37685239*	*12.89961817*	*19.38415004*	*34.23784557*	*114.11353732*	
RelInt SD	*0.00008639*	*0.00037191*	*0.00007746*	*0.00006386*	*0.00004847*	*0.00009092*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICV,S17024			Sample Type: Control Sample
Measure Date: 2022-08-23 10:03:29	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	343814	7166.62540	36592.49000	118161	311644	736381	198031
Int RSD	*1.52567928*	*1.14808353*	*0.13076299*	*0.30453870*	*0.04170993*	*0.40744350*	*0.24533577*
Int SD	*5245.49210*	*82.27884600*	*47.84943300*	*359.84475000*	*129.98645000*	*3000.33720*	*485.84166000*
RelInt Mean	0.01656005	0.00916026	0.03267357	0.11533001	0.31561199	2.12912110	0.19746964
RelInt RSD	*2.39722137*	*3.45841642*	*0.21478492*	*0.21963439*	*0.18037609*	*0.59125242*	*0.37725246*
RelInt SD	*0.00039698*	*0.00031680*	*0.00007018*	*0.00025330*	*0.00056929*	*0.01258848*	*0.00074496*
Conc Mean	0.54429805[mg/l]	1.09016780[mg/l]	1.05786320[mg/l]	1.02284840[mg/l]	1.01477000[mg/l]	105.90451000[mg/l]	0.98751991[mg/l]
Conc RSD	*2.40374038*	*4.03199948*	*0.21380514*	*0.22035561*	*0.17904369*	*0.59166160*	*0.37499849*
Conc SD	*0.01308351[mg/l]*	*0.04395556[mg/l]*	*0.00226177[mg/l]*	*0.00225390[mg/l]*	*0.00181688[mg/l]*	*0.62659632[mg/l]*	*0.00370318[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	155552	831581	342207	45113.97700	127306	1610843	153004
Int RSD	*0.28733607*	*2.22760234*	*0.05431734*	*9.47200532*	*0.61332966*	*0.26867226*	*0.43211540*
Int SD	*446.95769000*	*18524.31000*	*185.87796000*	*4273.19830*	*780.80527000*	*4327.88860*	*661.15298000*
RelInt Mean	0.15424228	0.04542356	0.34594440	0.12980001	0.36096526	1.66937430	0.15338341
RelInt RSD	*0.36619216*	*2.77698085*	*0.12762438*	*9.81036134*	*0.40692534*	*0.19849580*	*0.56361265*
RelInt SD	*0.00056482*	*0.00126140*	*0.00044151*	*0.01273385*	*0.00146886*	*0.00331364*	*0.00086449*
Conc Mean	1.00237610[mg/l]	1.03784360[mg/l]	0.99392080[mg/l]	112.72367000[mg/l]	100.84398000[mg/l]	1.01187820[mg/l]	1.05235860[mg/l]
Conc RSD	*0.36626266*	*2.82364086*	*0.13631586*	*9.90576957*	*0.40706898*	*0.19852968*	*0.56504536*
Conc SD	*0.00367133[mg/l]*	*0.02930498[mg/l]*	*0.00135487[mg/l]*	*11.16614700[mg/l]*	*0.41050456[mg/l]*	*0.00200888[mg/l]*	*0.00594630[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	846717	138623	46965.18300	35837.57200	36136.09500	298416	471243
Int RSD	*0.22535059*	*0.14429390*	*0.74971762*	*0.42197873*	*0.12096925*	*0.12163126*	*0.22913396*
Int SD	*1908.08190*	*200.02420000*	*352.10625000*	*151.22693000*	*43.71356400*	*362.96742000*	*1079.77850*
RelInt Mean	2.42282130	0.13495060	0.03898865	0.03056047	0.03224341	0.30616471	1.35958570
RelInt RSD	*0.38859423*	*0.15717388*	*0.96713723*	*0.54057213*	*0.21032694*	*0.07477223*	*0.24654419*
RelInt SD	*0.00941494*	*0.00021211*	*0.00037707*	*0.00016520*	*0.00006782*	*0.00022893*	*0.00335198*
Conc Mean	104.07475000[mg/l]	0.99549526[mg/l]	1.04051800[mg/l]	1.03034760[mg/l]	0.99463159[mg/l]	5.09942600[mg/l]	1.01193690[mg/l]
Conc RSD	*0.39257480*	*0.15745398*	*0.96456822*	*0.54692283*	*0.21071011*	*0.07485377*	*0.24650992*
Conc SD	*0.40857124[mg/l]*	*0.00156745[mg/l]*	*0.01003651[mg/l]*	*0.00563521[mg/l]*	*0.00209579[mg/l]*	*0.00381711[mg/l]*	*0.00249452[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2236056	20858.51000	130742	969322	17218192	347230	365098
Int RSD	*1.91537958*	*0.74554611*	*2.43426856*	*0.12907968*	*0.61396783*	*0.21074712*	*0.10253589*
Int SD	*42828.96200*	*155.50981000*	*3182.60240*	*1251.19720*	*105714*	*731.77630000*	*374.35622000*
RelInt Mean	0.12649276	0.01651263	0.00676456	---	---	---	0.37436941
RelInt RSD	*2.46101816*	*1.01200772*	*3.13490339*	---	---	---	*0.17425160*
RelInt SD	*0.00311301*	*0.00016711*	*0.00021206*	---	---	---	*0.00065234*
Conc Mean	1.02284520[mg/l]	1.04605920[mg/l]	1.00787270[mg/l]	958608	17139426	345565	0.99311002[mg/l]
Conc RSD	*2.48240428*	*1.00209376*	*3.23245664*	---	---	---	*0.17443153*
Conc SD	*0.02539115[mg/l]*	*0.01048249[mg/l]*	*0.03257905[mg/l]*	*1270.35810*	*105950*	*571.58817000*	*0.00173230[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	126752	45469.19700	453452	313977	347427	7481.20170	
Int RSD	*0.05865224*	*2.67265859*	*0.06935125*	*0.12436534*	*0.04069095*	*0.41980337*	
Int SD	*74.34288300*	*1215.23640*	*314.47472000*	*390.47891000*	*141.37147000*	*31.40633700*	
RelInt Mean	0.36541411	0.11449712	0.46429798	0.32095207	0.35312922	0.00002861	
RelInt RSD	*0.42420368*	*4.65664586*	*0.12064155*	*0.13649191*	*0.11635712*	*147.53386504*	
RelInt SD	*0.00155010*	*0.00533173*	*0.00056014*	*0.00043807*	*0.00041089*	*0.00004221*	
Conc Mean	0.98566128[mg/l]	1.07492200[mg/l]	5.24307810[mg/l]	5.35114020[mg/l]	1.05887030[mg/l]	<0.00530195[mg/l]	
Conc RSD	*0.42373916*	*4.70021527*	*0.11915395*	*0.13656030*	*0.11619056*	*28.05001312*	
Conc SD	*0.00417663[mg/l]*	*0.05052365[mg/l]*	*0.00624733[mg/l]*	*0.00730753[mg/l]*	*0.00123031[mg/l]*	*0.00148720[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 467771 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973012 File : met06_master Time : 23-AUG-2022 10:10
Cal : 482338973001 Caldate : 23-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18422473	4.95
Yttrium	A	970979	1053037	8.45
Yttrium	R	370837	372579	0.47

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICB,1			Sample Type: Control Sample
Measure Date: 2022-08-23 10:10:01	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	61698.32700	1940.33340	4885.38910	7916.17140	8866.53170	1050.75380	8286.46820
Int RSD	*0.70256156*	*3.34208353*	*0.55824913*	*0.37849600*	*0.29098106*	*3.33713454*	*0.67386154*
Int SD	*433.46873000*	*64.84756300*	*27.27264200*	*29.96239200*	*25.79992800*	*35.06506800*	*55.83932200*
RelInt Mean	0.00004376	0.00117423	-0.00009680	0.00061377	0.00016416	0.00193763	-0.00001645
RelInt RSD	*46.57624195*	*25.76822327*	*40.70443534*	*6.60842180*	*20.36660909*	*8.49724147*	*386.33266771*
RelInt SD	*0.00002038*	*0.00030258*	*0.00003940*	*0.00004056*	*0.00003343*	*0.00016464*	*0.00006354*
Conc Mean	<-0.00003767[mg/l]	<-0.01788289[mg/l]	<0.00306930[mg/l]	0.00209720[mg/l]	<-0.00009428[mg/l]	<0.02325622[mg/l]	<-0.00009583[mg/l]
Conc RSD	*1783.09108*	*234.76334423*	*41.34846842*	*17.20919099*	*113.63797592*	*35.23894359*	*332.05101900*
Conc SD	*0.00067174[mg/l]*	*0.04198248[mg/l]*	*0.00126911[mg/l]*	*0.00036091[mg/l]*	*0.00010713[mg/l]*	*0.00819525[mg/l]*	*0.00031822[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7221.96310	64023.21900	10889.24800	1369.60410	2227.52870	10226.61900	5632.37960
Int RSD	*0.48392612*	*0.39250821*	*0.41990964*	*23.32294201*	*0.73525441*	*0.38057810*	*0.24042462*
Int SD	*34.94896600*	*251.29639000*	*45.72500200*	*319.43197000*	*16.37800300*	*38.92027200*	*13.54162700*
RelInt Mean	0.00003822	0.00064761	0.00061285	0.00311503	0.00009853	0.00022693	-0.00004994
RelInt RSD	*122.52523915*	*2.05957109*	*7.42906079*	*24.93590698*	*80.94064112*	*15.29128427*	*79.57007959*
RelInt SD	*0.00004683*	*0.00001334*	*0.00004553*	*0.00077676*	*0.00007975*	*0.00003470*	*0.00003974*
Conc Mean	<0.00005164[mg/l]	<-0.00239405[mg/l]	<-0.06580691[mg/l]	<1.63527700[mg/l]	<-0.00765278[mg/l]	<-0.00002210[mg/l]	<-0.00301834[mg/l]
Conc RSD	*589.49257806*	*12.94325351*	*0.21231118*	*41.65243014*	*291.22925608*	*95.19525916*	*9.05627550*
Conc SD	*0.00030439[mg/l]*	*0.00030987[mg/l]*	*0.00013972[mg/l]*	*0.68113261[mg/l]*	*0.02228714[mg/l]*	*0.00002104[mg/l]*	*0.00027335[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	29188.41100	9013.03960	9212.38250	6289.50100	5019.95460	4697.17410	1362.06430
Int RSD	*9.35745320*	*0.38436632*	*0.75852762*	*0.39107991*	*0.27374387*	*0.23968837*	*7.54106763*
Int SD	*2731.29190*	*34.64308900*	*69.87846600*	*24.59697500*	*13.74181800*	*11.25858000*	*102.71419000*
RelInt Mean	0.05752406	0.00017750	-0.00004488	-0.00003377	0.00000615	-0.00000635	-0.00005904
RelInt RSD	*8.50181303*	*13.91270530*	*122.26269674*	*97.58340263*	*160.62224817*	*128.02867449*	*627.70647734*
RelInt SD	*0.00489059*	*0.00002469*	*0.00005487*	*0.00003295*	*0.00000988*	*0.00000812*	*0.00037061*
Conc Mean	1.43105520[mg/l]	<-0.00048278[mg/l]	<0.00161714[mg/l]	<-0.00376490[mg/l]	<-0.00161802[mg/l]	<-0.00567514[mg/l]	<0.00009597[mg/l]
Conc RSD	*14.83034547*	*37.80128454*	*89.87095549*	*29.79221663*	*18.86783997*	*2.38698862*	*287.39694976*
Conc SD	*0.21223043[mg/l]*	*0.00018250[mg/l]*	*0.00145334[mg/l]*	*0.00112165[mg/l]*	*0.00030529[mg/l]*	*0.00013546[mg/l]*	*0.00027581[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	65494.65500	4579.30830	17971.26900	1053037	18422473	372579	6209.65560
Int RSD	*0.93025437*	*0.26025865*	*0.53161300*	*0.59930253*	*1.14146146*	*0.73033760*	*0.23838462*
Int SD	*609.26689000*	*11.91804600*	*95.53760300*	*6310.87680*	*210285*	*2721.08410*	*14.80286400*
RelInt Mean	-0.00003465	-0.00008408	0.00018808	---	---	---	0.00024766
RelInt RSD	*23.89647591*	*7.06675146*	*1.23458052*	---	---	---	*6.41993233*
RelInt SD	*0.00000828*	*0.00000594*	*0.00000232*	---	---	---	*0.00001590*
Conc Mean	<-0.00917037[mg/l]	0.00498571[mg/l]	<-0.00212265[mg/l]	1042569	18342782	370821	<0.00015628[mg/l]
Conc RSD	*0.73640910*	*7.53201268*	*16.81156021*	---	---	---	*27.02900711*
Conc SD	*0.00006753[mg/l]*	*0.00037552[mg/l]*	*0.00035685[mg/l]*	*6299.99470*	*210408*	*2687.86980*	*0.00004224[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	87.38244800	6248.67490	8091.12080	5795.24870	8419.20810	7057.12300	
Int RSD	*246.41314695*	*19.32960699*	*0.66484134*	*1.06872050*	*0.25854835*	*0.42236628*	
Int SD	*215.32184000*	*1207.84430*	*53.79311600*	*61.93501100*	*21.76772400*	*29.80690800*	
RelInt Mean	-0.00080459	0.00089598	0.00031598	0.00000118	0.00010708	-0.00023299	
RelInt RSD	*17.11958892*	*38.44353566*	*25.10054836*	*5421.95029*	*31.81871632*	*26.72142101*	
RelInt SD	*0.00013774*	*0.00034445*	*0.00007931*	*0.00006378*	*0.00003407*	*0.00006226*	
Conc Mean	<-0.00108904[mg/l]	<-0.00156658[mg/l]	<-0.00259394[mg/l]	<-0.00264422[mg/l]	<-0.00019204[mg/l]	<-0.00391470[mg/l]	
Conc RSD	*34.07937196*	*208.35205457*	*34.95094716*	*40.23340833*	*55.44389416*	*56.03131426*	
Conc SD	*0.00037114[mg/l]*	*0.00326400[mg/l]*	*0.00090661[mg/l]*	*0.00106386[mg/l]*	*0.00010647[mg/l]*	*0.00219346[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 467771 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973013 File : met06_master Time : 23-AUG-2022 10:13
Cal : 482338973001 Caldate : 23-AUG-2022
Standards: S16979, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	0.005544	0.003333	mg/l	!a+

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	146.3	mg/l	91	
Aluminum	R	400.0	370.8	mg/l	93	
Calcium	R	400.0	391.6	mg/l	98	
Magnesium	R	400.0	403.3	mg/l	101	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	16549392	-5.72
Yttrium	A	970979	914571	-5.81
Yttrium	R	370837	335426	-9.55

!=warning +=high bias a=ICSA

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICSA,S16979			Sample Type: Control Sample
Measure Date: 2022-08-23 10:13:16	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	60143.56800	904923	9904.61930	10387.55000	10088.07900	2627845	9565.71170
Int RSD	*0.47385351*	*0.78821305*	*0.15631699*	*0.31798448*	*0.53989864*	*0.42176283*	*0.19170617*
Int SD	*284.99241000*	*7132.72020*	*15.48260300*	*33.03079700*	*54.46540100*	*11083.27500*	*18.33806000*
RelInt Mean	0.00002667	2.67347380	-0.00011374	0.00134066	0.00030572	7.86978050	0.00022058
RelInt RSD	*32.87017075*	*1.31148366*	*43.77276320*	*7.21446557*	*20.65244015*	*1.05373651*	*7.57730356*
RelInt SD	*0.00000877*	*0.03506217*	*0.00004979*	*0.00009672*	*0.00006314*	*0.08292675*	*0.00001671*
Conc Mean	<-0.00060077[mg/l]	>370.76040000[mg/l]	<0.00252633[mg/l]	0.00856508[mg/l]	<0.00037173[mg/l]	>391.64773000[mg/l]	0.00108583[mg/l]
Conc RSD	*48.10040118*	*1.31212279*	*63.48997954*	*10.04815423*	*54.32027613*	*1.05393416*	*7.71659232*
Conc SD	*0.00028897[mg/l]*	*4.86483170[mg/l]*	*0.00160397[mg/l]*	*0.00086063[mg/l]*	*0.00020192[mg/l]*	*4.12770920[mg/l]*	*0.00008379[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	8366.59370	65488.97600	43071426	844.90450000	485279	15225.69300	13489.72500
Int RSD	*0.88721586*	*0.67116786*	*0.97590800*	*27.33541720*	*0.45259594*	*0.48371008*	*0.49929125*
Int SD	*74.22974600*	*439.54096000*	*420337*	*230.95817000*	*2196.35220*	*73.64821200*	*67.35301600*
RelInt Mean	-0.00043029	0.00076048	47.70659200	0.00214541	1.44308830	0.00225585	-0.00040032
RelInt RSD	*17.21966337*	*2.43863244*	*0.46305903*	*21.81445356*	*0.46118185*	*4.61820245*	*23.65445548*
RelInt SD	*0.00007409*	*0.00001855*	*0.22090968*	*0.00046801*	*0.00665526*	*0.00010418*	*0.00009469*
Conc Mean	<-0.00299368[mg/l]	<0.00022810[mg/l]	>146.33074000[mg/l]	<0.78502295[mg/l]	>403.26553000[mg/l]	0.00120791[mg/l]	<-0.00542835[mg/l]
Conc RSD	*16.08770087*	*188.87997290*	*0.46327215*	*52.27754934*	*0.46121961*	*5.22868621*	*11.99877141*
Conc SD	*0.00048161[mg/l]*	*0.00043084[mg/l]*	*0.67790956[mg/l]*	*0.41039076[mg/l]*	*1.85993970[mg/l]*	*0.00006316[mg/l]*	*0.00065133[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	17703.52700	9879.31460	18692.00500	15623.50600	11306.54700	9848.78270	8997.66330
Int RSD	*8.23308655*	*0.39102388*	*0.48694803*	*0.71634587*	*0.41494942*	*0.99858126*	*10.09326755*
Int SD	*1457.54670*	*38.63047900*	*91.02035000*	*111.91834000*	*46.91645100*	*98.34809800*	*908.15823000*
RelInt Mean	0.03230885	-0.00005921	0.00288374	0.00005079	-0.00014872	0.00008021	0.02305040
RelInt RSD	*5.20120722*	*67.63607382*	*1.77675887*	*301.47420534*	*98.14468487*	*121.48374884*	*13.72569310*
RelInt SD	*0.00168045*	*0.00004005*	*0.00005124*	*0.00015312*	*0.00014597*	*0.00009744*	*0.00316383*
Conc Mean	<0.33682406[mg/l]	<-0.00223205[mg/l]	0.00554368[mg/l]	<-0.00087265[mg/l]	<-0.00640422[mg/l]	<-0.00423197[mg/l]	0.01729390[mg/l]
Conc RSD	*21.65056024*	*13.25867182*	*19.15192869*	*596.16576365*	*70.43579010*	*38.39041778*	*13.61465351*
Conc SD	*0.07292430[mg/l]*	*0.00029594[mg/l]*	*0.00106172[mg/l]*	*0.00520244[mg/l]*	*0.00451086[mg/l]*	*0.00162467[mg/l]*	*0.00235450[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	72950.88300	9776.67440	19747.13700	914571	16549392	335426	15669.68900
Int RSD	*0.16051704*	*0.19298272*	*1.31321746*	*0.50959833*	*0.41593155*	*0.63160300*	*0.38957753*
Int SD	*117.09860000*	*18.86729200*	*259.32285000*	*4660.64040*	*68834.14300*	*2118.56000*	*61.04558800*
RelInt Mean	0.00038239	-0.00037628	0.00018050	---	---	---	0.00115849
RelInt RSD	*1.40964167*	*17.52697465*	*6.09186861*	---	---	---	*0.88076995*
RelInt SD	*0.00000539*	*0.00006595*	*0.00001100*	---	---	---	*0.00001020*
Conc Mean	<-0.00576880[mg/l]	<-0.01344056[mg/l]	<-0.00328593[mg/l]	902511	16463121	333710	0.00257649[mg/l]
Conc RSD	*0.76214251*	*30.93572508*	*51.41630561*	---	---	---	*1.04421926*
Conc SD	*0.00004397[mg/l]*	*0.00415794[mg/l]*	*0.00168950[mg/l]*	*4638.32420*	*68558.56100*	*2105.98430*	*0.00002690[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	128.99007000	5675.48300	10897.63400	9176.42840	9970.99560	11491.10700	
Int RSD	*71.53506235*	*18.68817332*	*0.35152145*	*0.22105169*	*0.32748369*	*1.36624348*	
Int SD	*92.27312700*	*1060.64410*	*38.30752100*	*20.28465000*	*32.65338400*	*156.99650000*	
RelInt Mean	-0.00075259	0.00145310	0.00143989	0.00014347	-0.00015576	0.00032390	
RelInt RSD	*53.63441743*	*14.07437323*	*4.87203839*	*37.38727760*	*21.36950096*	*61.37723855*	
RelInt SD	*0.00040365*	*0.00020451*	*0.00007015*	*0.00005364*	*0.00003329*	*0.00019880*	
Conc Mean	<-0.00094892[mg/l]	<0.00371262[mg/l]	0.01022456[mg/l]	<-0.00027068[mg/l]	<-0.00098146[mg/l]	0.01570534[mg/l]	
Conc RSD	*114.61458052*	*52.19984737*	*7.80792195*	*330.55493571*	*9.85392076*	*44.59640434*	
Conc SD	*0.00108760[mg/l]*	*0.00193798[mg/l]*	*0.00079833[mg/l]*	*0.00089474[mg/l]*	*0.00009671[mg/l]*	*0.00700401[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 467771 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973014 File : met06_master Time : 23-AUG-2022 10:16
Cal : 482338973001 Caldate : 23-AUG-2022
Standards: S17065, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.041	mg/l	4	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	16574588	-5.57
Yttrium	A	970979	917293	-5.53
Yttrium	R	370837	334966	-9.67

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICSAB,S17065			Sample Type: Control Sample
Measure Date: 2022-08-23 10:16:33	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	615670	899134	9859.41760	10519.55200	150295	2618987	98760.31500
Int RSD	*1.98421027*	*0.78163364*	*0.55259254*	*1.44560434*	*0.72809394*	*0.53133622*	*0.23043571*
Int SD	*12216.18200*	*7027.93620*	*54.48240600*	*152.07110000*	*1094.28980*	*13915.62400*	*227.57903000*
RelInt Mean	0.03361856	2.65869790	-0.00016906	0.00146238	0.15507366	7.85218830	0.09856125
RelInt RSD	*2.00278787*	*1.07585326*	*23.66871459*	*7.69476890*	*0.31141085*	*1.01953857*	*0.53388617*
RelInt SD	*0.00067331*	*0.02860369*	*0.00004001*	*0.00011253*	*0.00048292*	*0.08005609*	*0.00052620*
Conc Mean	1.10650400[mg/l]	>368.71025000[mg/l]	<0.00027650[mg/l]	0.00964817[mg/l]	0.50018970[mg/l]	>390.77207000[mg/l]	0.49376486[mg/l]
Conc RSD	*2.00546469*	*1.07638168*	*465.97029548*	*10.37782753*	*0.31341743*	*1.01972892*	*0.53391191*
Conc SD	*0.02219055[mg/l]*	*3.96872960[mg/l]*	*0.00128841[mg/l]*	*0.00100127[mg/l]*	*0.00156768[mg/l]*	*3.98481580[mg/l]*	*0.00263627[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	82224.89000	459175	43304368	733.59068000	486658	764549	13553.28900
Int RSD	*0.13481966*	*2.36805176*	*0.25245195*	*20.18994843*	*0.50038870*	*0.67541423*	*1.40568050*
Int SD	*110.85532000*	*10873.49100*	*109323*	*148.11158000*	*2435.18310*	*5163.87020*	*190.51594000*
RelInt Mean	0.08102580	0.02457432	47.82821500	0.00178766	1.44906820	0.82993615	-0.00034856
RelInt RSD	*0.84600762*	*2.44576338*	*0.58708323*	*20.44810937*	*0.26258695*	*0.34178317*	*93.37152559*
RelInt SD	*0.00068548*	*0.00060103*	*0.28079143*	*0.00036554*	*0.00380506*	*0.00283658*	*0.00032546*
Conc Mean	0.52646993[mg/l]	0.55347268[mg/l]	>146.70397000[mg/l]	<0.47132106[mg/l]	>404.93674000[mg/l]	0.50297900[mg/l]	<-0.00507235[mg/l]
Conc RSD	*0.84632325*	*2.52282660*	*0.58735392*	*68.00882396*	*0.26260848*	*0.34189185*	*44.13385558*
Conc SD	*0.00445564[mg/l]*	*0.01396316[mg/l]*	*0.86167152[mg/l]*	*0.32053991[mg/l]*	*1.06339820[mg/l]*	*0.00171964[mg/l]*	*0.00223862[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	18321.94500	129045	54008.07400	15855.52100	11250.74800	9802.40370	8952.18990
Int RSD	*7.32919131*	*0.51727598*	*0.32532438*	*0.78259560*	*0.37104852*	*0.37667048*	*13.38158276*
Int SD	*1342.85040*	*667.51750000*	*175.70143000*	*124.08461000*	*41.74573400*	*36.92276100*	*1197.94470*
RelInt Mean	0.03424577	0.13139586	0.04178085	0.00026488	-0.00026568	-0.00001828	0.02294448
RelInt RSD	*4.21191893*	*0.53108090*	*1.29516928*	*64.10325256*	*43.56900720*	*310.88878918*	*16.42632996*
RelInt SD	*0.00144240*	*0.00069782*	*0.00054113*	*0.00016980*	*0.00011575*	*0.00005684*	*0.00376894*
Conc Mean	<0.42087763[mg/l]	0.96922563[mg/l]	1.04144350[mg/l]	<0.00329894[mg/l]	<-0.01001863[mg/l]	<-0.00587417[mg/l]	0.01721507[mg/l]
Conc RSD	*14.87228152*	*0.53206330*	*1.44976189*	*174.27527016*	*35.70601298*	*16.13336834*	*16.29283245*
Conc SD	*0.06259411[mg/l]*	*0.00515689[mg/l]*	*0.01509845[mg/l]*	*0.00574924[mg/l]*	*0.00357725[mg/l]*	*0.00094770[mg/l]*	*0.00280482[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	71961.35900	9879.46580	73562.20100	917293	16574588	334966	338125
Int RSD	*0.47642331*	*0.40849285*	*1.49753200*	*0.76245544*	*0.29159156*	*0.57144364*	*0.25224630*
Int SD	*342.84069000*	*40.35691100*	*1101.61750*	*6993.94660*	*48330.10000*	*1914.14070*	*852.90842000*
RelInt Mean	0.00031088	-0.00020571	0.00343900	---	---	---	0.35728795
RelInt RSD	*1.07954923*	*51.32531375*	*1.76550692*	---	---	---	*0.62693822*
RelInt SD	*0.00000336*	*0.00010558*	*0.00006072*	---	---	---	*0.00223997*
Conc Mean	<-0.00635211[mg/l]	<-0.00268479[mg/l]	0.49734934[mg/l]	905124	16487809	333336	0.94799143[mg/l]
Conc RSD	*0.43093835*	*247.80138066*	*1.87551794*	---	---	---	*0.62720766*
Conc SD	*0.00002737[mg/l]*	*0.00665296[mg/l]*	*0.00932788[mg/l]*	*7029.60210*	*47933.03100*	*1900.41570*	*0.00594587[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	59185.17900	5513.54230	10965.57100	9481.15740	334356	11576.95700	
Int RSD	*6.13505638*	*18.91706898*	*1.58716240*	*0.89705813*	*0.31640336*	*0.58378896*	
Int SD	*3631.04410*	*1043.00060*	*174.04142000*	*85.05149300*	*1057.91360*	*67.58499700*	
RelInt Mean	0.17651192	0.00123921	0.00147825	0.00038720	0.35771894	0.00032061	
RelInt RSD	*6.72340825*	*16.38743021*	*10.93738229*	*33.52404972*	*0.46428934*	*46.22152305*	
RelInt SD	*0.01186762*	*0.00020307*	*0.00016168*	*0.00012981*	*0.00166085*	*0.00014819*	
Conc Mean	0.47667772[mg/l]	<0.00168583[mg/l]	0.01065219[mg/l]	<0.00379504[mg/l]	1.07653690[mg/l]	0.01558920[mg/l]	
Conc RSD	*6.70818871*	*114.14830049*	*16.86367251*	*57.05554798*	*0.46435263*	*33.49019366*	
Conc SD	*0.03197644[mg/l]*	*0.00192434[mg/l]*	*0.00179635[mg/l]*	*0.00216528[mg/l]*	*0.00499893[mg/l]*	*0.00522085[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 467771 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973054 File : met06_master Time : 23-AUG-2022 12:49
Cal : 482338973001 Caldate : 23-AUG-2022
Standards: S17024, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0347	0.0402	1.000	1.072	mg/l	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18253856	3.99
Yttrium	A	970979	1053095	8.46
Yttrium	R	370837	365141	-1.54

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S17024			Sample Type: Control Sample
Measure Date: 2022-08-23 12:49:28	Recalculation Date:	State: Check failed	Quality: Failed

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	377478	6979.73580	40172.51900	126779	337133	766107	219903
Int RSD	*1.34108121*	*7.88449729*	*0.28334581*	*0.38087935*	*0.06821384*	*0.53010549*	*0.22251961*
Int SD	*5062.29230*	*550.31708000*	*113.82715000*	*482.87613000*	*229.97119000*	*4061.17530*	*489.32681000*
RelInt Mean	0.01711843	0.00838598	0.03306712	0.11367365	0.31416937	2.10564960	0.20191469
RelInt RSD	*1.58347796*	*8.45949867*	*0.25302879*	*0.32607018*	*0.11719992*	*0.17233394*	*0.31536100*
RelInt SD	*0.00027107*	*0.00070941*	*0.00008367*	*0.00037066*	*0.00036821*	*0.00362875*	*0.00063676*
Conc Mean	0.56270092[mg/l]	0.98273823[mg/l]	1.07053640[mg/l]	1.00811000[mg/l]	1.01012360[mg/l]	104.73621000[mg/l]	1.00974950[mg/l]
Conc RSD	*1.58764158*	*10.01589671*	*0.25194878*	*0.32715392*	*0.11763105*	*0.17245782*	*0.31665368*
Conc SD	*0.00893367[mg/l]*	*0.09843005[mg/l]*	*0.00269720[mg/l]*	*0.00329807[mg/l]*	*0.00118822[mg/l]*	*0.18062578[mg/l]*	*0.00319741[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	169995	882386	367007	44060.86400	130543	1736878	165793
Int RSD	*0.48941808*	*1.82482672*	*0.11460256*	*12.74854029*	*0.94911036*	*0.30867634*	*0.40312416*
Int SD	*831.98396000*	*16102.02100*	*420.59910000*	*5617.11700*	*1239.00160*	*5361.33080*	*668.34971000*
RelInt Mean	0.15508864	0.04532443	0.34114139	0.12065303	0.35228324	1.65686810	0.15288641
RelInt RSD	*0.42111041*	*1.86004412*	*0.10175746*	*12.69768525*	*0.94361290*	*0.28571988*	*0.45754957*
RelInt SD	*0.00065309*	*0.00084305*	*0.00034714*	*0.01532014*	*0.00332419*	*0.00473400*	*0.00069953*
Conc Mean	1.00787760[mg/l]	1.03554050[mg/l]	0.97918166[mg/l]	104.70280000[mg/l]	98.41761300[mg/l]	1.00429640[mg/l]	1.04894000[mg/l]
Conc RSD	*0.42119394*	*1.89136794*	*0.10879281*	*12.83063395*	*0.94395092*	*0.28576615*	*0.45871659*
Conc SD	*0.00424512[mg/l]*	*0.01958588[mg/l]*	*0.00106528[mg/l]*	*13.43403300[mg/l]*	*0.92901396[mg/l]*	*0.00286994[mg/l]*	*0.00481166[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	855272	155331	52416.44800	39248.64100	39061.63000	328648	483930
Int RSD	*0.67689149*	*0.01868838*	*0.47350379*	*0.47891388*	*0.09899088*	*0.18585524*	*0.58426831*
Int SD	*5789.26660*	*29.02887600*	*248.19387000*	*187.96719000*	*38.66745000*	*610.80921000*	*2827.44900*
RelInt Mean	2.32712700	0.13934089	0.04017179	0.03074010	0.03197344	0.31045872	1.32721160
RelInt RSD	*0.30675065*	*0.12623974*	*0.59824057*	*0.64923665*	*0.26574008*	*0.28223977*	*0.28952212*
RelInt SD	*0.00713848*	*0.00017590*	*0.00024032*	*0.00019958*	*0.00008497*	*0.00087624*	*0.00384257*
Conc Mean	99.92202900[mg/l]	1.02793970[mg/l]	1.07203610[mg/l]	1.03642160[mg/l]	0.98628837[mg/l]	5.17102430[mg/l]	0.98784425[mg/l]
Conc RSD	*0.31001685*	*0.12646266*	*0.59786638*	*0.65679854*	*0.26622868*	*0.28254439*	*0.28947807*
Conc SD	*0.30977513[mg/l]*	*0.00129996[mg/l]*	*0.00640934[mg/l]*	*0.00680720[mg/l]*	*0.00262578[mg/l]*	*0.01461044[mg/l]*	*0.00285959[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2425448	22552.65600	143927	1053095	18253856	365141	414745
Int RSD	*1.87368692*	*0.61356028*	*1.57943991*	*0.10439758*	*0.18636054*	*0.42274824*	*0.04134305*
Int SD	*45445.30000*	*138.37414000*	*2273.23890*	*1099.40590*	*34017.98500*	*1543.62850*	*171.46804000*
RelInt Mean	0.12932890	0.01635274	0.00700879	---	---	---	0.39172757
RelInt RSD	*1.81445593*	*1.05339032*	*1.60797366*	---	---	---	*0.11080055*
RelInt SD	*0.00234662*	*0.00017226*	*0.00011270*	---	---	---	*0.00043404*
Conc Mean	1.04597810[mg/l]	1.03592800[mg/l]	1.04539780[mg/l]	1041192	18167329	363568	1.03920090[mg/l]
Conc RSD	*1.82987139*	*1.04363016*	*1.65614745*	---	---	---	*0.11110218*
Conc SD	*0.01914005[mg/l]*	*0.01081126[mg/l]*	*0.01731333[mg/l]*	*1039.43600*	*33948.70000*	*1582.69160*	*0.00115457[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	126430	41849.16000	490515	348957	373823	8533.18240	
Int RSD	*0.93468436*	*8.70227001*	*0.07688749*	*0.20401897*	*0.22293518*	*0.15053930*	
Int SD	*1181.72330*	*3641.82690*	*377.14481000*	*711.93751000*	*833.38375000*	*12.84579300*	
RelInt Mean	0.34666942	0.09897479	0.46223419	0.32861088	0.34954968	0.00048036	
RelInt RSD	*0.81264606*	*7.49041044*	*0.17780775*	*0.12301549*	*0.13531731*	*7.18783759*	
RelInt SD	*0.00281720*	*0.00741362*	*0.00082189*	*0.00040424*	*0.00047300*	*0.00003453*	
Conc Mean	0.93515505[mg/l]	0.92783185[mg/l]	5.21971670[mg/l]	5.47889690[mg/l]	1.04804670[mg/l]	0.02121735[mg/l]	
Conc RSD	*0.81170775*	*7.57159953*	*0.17712731*	*0.12307522*	*0.13508262*	*5.73318002*	
Conc SD	*0.00759073[mg/l]*	*0.07025171[mg/l]*	*0.00924554[mg/l]*	*0.00674316[mg/l]*	*0.00141573[mg/l]*	*0.00121643[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 467771 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973055 File : met06_master Time : 23-AUG-2022 12:52
Cal : 482338973001 Caldate : 23-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18954175	7.98
Yttrium	A	970979	1114347	14.77
Yttrium	R	370837	379515	2.34

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2022-08-23 12:52:42	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	68127.46000	2053.95090	5348.80800	9126.32080	9750.01050	1020.33760	9182.22620
Int RSD	*0.15683638*	*8.34257820*	*0.62090976*	*0.81412746*	*0.83189371*	*3.41967492*	*0.59776837*
Int SD	*106.84864000*	*171.35246000*	*33.21127100*	*74.29988400*	*81.10972400*	*34.89222900*	*54.88844400*
RelInt Mean	0.00005454	0.00112118	-0.00005469	0.00097747	0.00015279	0.00197470	0.00002016
RelInt RSD	*46.51133611*	*12.57853767*	*47.71638754*	*5.69244944*	*45.12177791*	*20.77296428*	*206.83479849*
RelInt SD	*0.00002537*	*0.00014103*	*0.00002610*	*0.00005564*	*0.00006894*	*0.00041020*	*0.00004169*
Conc Mean	<0.00031754[mg/l]	<-0.02524421[mg/l]	0.00442609[mg/l]	0.00533343[mg/l]	<-0.00014220[mg/l]	<0.02510137[mg/l]	<0.00008775[mg/l]
Conc RSD	*263.27919143*	*77.51259883*	*18.99163971*	*9.28309072*	*157.37812423*	*81.34210231*	*237.81889545*
Conc SD	*0.00083602[mg/l]*	*0.01956744[mg/l]*	*0.00084059[mg/l]*	*0.00049511[mg/l]*	*0.00022379[mg/l]*	*0.02041798[mg/l]*	*0.00020869[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7958.25140	71913.84700	11634.15100	831.03598000	2196.84710	11181.93500	6665.95010
Int RSD	*0.26626853*	*0.40910189*	*0.27763524*	*20.84185573*	*11.92748963*	*0.44073279*	*1.66223552*
Int SD	*21.19031900*	*294.20091000*	*32.30050300*	*173.20332000*	*262.02871000*	*49.28245400*	*110.80379000*
RelInt Mean	0.00001539	0.00077135	0.00025111	0.00172001	0.00022932	0.00017645	0.00039495
RelInt RSD	*55.66789244*	*0.16064783*	*24.85855833*	*17.79464672*	*151.13795070*	*14.65609316*	*24.31927363*
RelInt SD	*0.00000857*	*0.00000124*	*0.00006242*	*0.00030607*	*0.00034659*	*0.00002586*	*0.00009605*
Conc Mean	<-0.00009675[mg/l]	<0.00048075[mg/l]	<-0.06691700[mg/l]	<0.41199936[mg/l]	<0.02889966[mg/l]	<-0.00005270[mg/l]	<0.00004183[mg/l]
Conc RSD	*57.56523042*	*5.98815546*	*0.28625564*	*65.14300168*	*335.16207906*	*29.74745776*	*1579.38422*
Conc SD	*0.00005569[mg/l]*	*0.00002879[mg/l]*	*0.00019155[mg/l]*	*0.26838875[mg/l]*	*0.09686071[mg/l]*	*0.00001568[mg/l]*	*0.00066067[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	18828.00100	9901.56800	10125.25400	7028.54160	5558.57530	5196.94450	1340.48190
Int RSD	*5.71095997*	*0.41336730*	*0.49910827*	*0.53232816*	*0.53041010*	*2.35766978*	*10.16991800*
Int SD	*1075.25960*	*40.92984400*	*50.53598000*	*37.41490600*	*29.48324500*	*122.52679000*	*136.32591000*
RelInt Mean	0.02827356	0.00012696	-0.00008774	0.00008941	0.00004335	0.00007861	-0.00019859
RelInt RSD	*1.29279773*	*18.22946585*	*31.53806608*	*25.54172348*	*34.83725618*	*138.48220542*	*141.17901209*
RelInt SD	*0.00036552*	*0.00002314*	*0.00002767*	*0.00002284*	*0.00001510*	*0.00010886*	*0.00028036*
Conc Mean	<0.16170962[mg/l]	<-0.00085624[mg/l]	<0.00047751[mg/l]	<0.00042318[mg/l]	<-0.00046838[mg/l]	<-0.00425860[mg/l]	<-0.00000788[mg/l]
Conc RSD	*9.80892170*	*19.97549904*	*153.46455524*	*183.41465330*	*99.64409835*	*42.62277024*	*2647.87858*
Conc SD	*0.01586197[mg/l]*	*0.00017104[mg/l]*	*0.00073281[mg/l]*	*0.00077617[mg/l]*	*0.00046672[mg/l]*	*0.00181513[mg/l]*	*0.00020864[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	71996.47300	5034.57900	19386.28500	1114347	18954175	379515	6797.65370
Int RSD	*0.45679914*	*0.30985159*	*0.82305769*	*0.15455407*	*0.50912793*	*0.20048582*	*1.25285753*
Int SD	*328.87927000*	*15.59972300*	*159.56031000*	*1722.26800*	*96500.99800*	*760.87304000*	*85.16491600*
RelInt Mean	-0.00004865	-0.00006684	0.00017105	---	---	---	0.00023982
RelInt RSD	*28.92242548*	*53.22935716*	*6.62371055*	---	---	---	*27.07052089*
RelInt SD	*0.00001407*	*0.00003558*	*0.00001133*	---	---	---	*0.00006492*
Conc Mean	<-0.00928456[mg/l]	0.00606505[mg/l]	<-0.00473908[mg/l]	1102787	18867763	377802	<0.00013554[mg/l]
Conc RSD	*1.23604466*	*37.01313696*	*36.72863759*	---	---	---	*127.17705545*
Conc SD	*0.00011476[mg/l]*	*0.00224487[mg/l]*	*0.00174060[mg/l]*	*1758.90500*	*96513.25900*	*774.50276000*	*0.00017237[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	24.36386000	6082.71840	9010.98000	6349.72890	9307.73260	7979.88690	
Int RSD	*273.04592950*	*16.92104307*	*0.78359314*	*1.34848677*	*0.10679530*	*1.33178842*	
Int SD	*66.52452800*	*1029.25940*	*70.60942100*	*85.62525400*	*9.94022130*	*106.27521000*	
RelInt Mean	-0.00080089	0.00011391	0.00038733	0.00008374	0.00013442	0.00014802	
RelInt RSD	*46.87501405*	*173.65325857*	*17.17446789*	*53.22819609*	*19.93653338*	*75.81466208*	
RelInt SD	*0.00037542*	*0.00019781*	*0.00006652*	*0.00004457*	*0.00002680*	*0.00011222*	
Conc Mean	<-0.00107906[mg/l]	<-0.00897757[mg/l]	<-0.00185244[mg/l]	<-0.00126697[mg/l]	<-0.00011468[mg/l]	0.00950870[mg/l]	
Conc RSD	*93.74211409*	*20.87884112*	*40.71236146*	*58.68604522*	*72.82711210*	*41.57846171*	
Conc SD	*0.00101153[mg/l]*	*0.00187441[mg/l]*	*0.00075417[mg/l]*	*0.00074353[mg/l]*	*0.00008352[mg/l]*	*0.00395357[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 467771 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973066 File : met06_master Time : 23-AUG-2022 13:41
Cal : 482338973001 Caldate : 23-AUG-2022
Standards: S17024, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0347	0.0400	1.000	1.067	mg/l	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18055983	2.86
Yttrium	A	970979	1053138	8.46
Yttrium	R	370837	363460	-1.99

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S17024			Sample Type: Control Sample
Measure Date: 2022-08-23 13:41:55	Recalculation Date:	State: Check failed	Quality: Failed

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	373334	7148.90910	39662.68200	125454	335230	759884	218588
Int RSD	*1.19792970*	*10.38986578*	*0.51911295*	*0.42442719*	*0.24199041*	*0.86811671*	*0.50759327*
Int SD	*4472.27960*	*742.76206000*	*205.89412000*	*532.46072000*	*811.22542000*	*6596.68420*	*1109.53560*
RelInt Mean	0.01712001	0.00879508	0.03264136	0.11252114	0.31249992	2.09872770	0.20076638
RelInt RSD	*1.58425910*	*9.04036842*	*0.50111481*	*0.09140216*	*0.12352255*	*0.31550980*	*0.24405231*
RelInt SD	*0.00027123*	*0.00079511*	*0.00016357*	*0.00010285*	*0.00038601*	*0.00662169*	*0.00048997*
Conc Mean	0.56275315[mg/l]	1.03950060[mg/l]	1.05682510[mg/l]	0.99785491[mg/l]	1.00477020[mg/l]	104.39167000[mg/l]	1.00398280[mg/l]
Conc RSD	*1.58842318*	*10.61281350*	*0.49822714*	*0.09170735*	*0.12463629*	*0.31573298*	*0.24476134*
Conc SD	*0.00893890[mg/l]*	*0.11032026[mg/l]*	*0.00526539[mg/l]*	*0.00091511[mg/l]*	*0.00125231[mg/l]*	*0.32959893[mg/l]*	*0.00245736[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	169043	877775	367794	44083.37100	128702	1719039	164152
Int RSD	*0.41620344*	*1.60818798*	*0.19052985*	*14.77260144*	*1.88568151*	*0.38036612*	*0.54760063*
Int SD	*703.56412000*	*14116.27200*	*700.75825000*	*6512.26070*	*2426.90360*	*6538.64160*	*898.89531000*
RelInt Mean	0.15429805	0.04562807	0.34193433	0.12133729	0.34875454	1.63968660	0.15138016
RelInt RSD	*0.45993908*	*1.91766272*	*0.40314174*	*15.72668880*	*1.00228579*	*0.75052348*	*0.26574323*
RelInt SD	*0.00070968*	*0.00087499*	*0.00137848*	*0.01908234*	*0.00349552*	*0.01230623*	*0.00040228*
Conc Mean	1.00273870[mg/l]	1.04259470[mg/l]	0.98161500[mg/l]	105.30283000[mg/l]	97.43144700[mg/l]	0.99388033[mg/l]	1.03857940[mg/l]
Conc RSD	*0.46002812*	*1.94974135*	*0.43094108*	*15.89040959*	*1.00264765*	*0.75064239*	*0.26642807*
Conc SD	*0.00461288[mg/l]*	*0.02032790[mg/l]*	*0.00423018[mg/l]*	*16.73305100[mg/l]*	*0.97689411[mg/l]*	*0.00746049[mg/l]*	*0.00276707[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	850752	154312	52063.86800	38886.15900	38779.92500	325340	479556
Int RSD	*0.73029854*	*0.31543891*	*0.52670270*	*0.34583825*	*0.27599313*	*0.48137015*	*0.72441274*
Int SD	*6213.02750*	*486.75977000*	*274.22180000*	*134.48321000*	*107.02993000*	*1566.08830*	*3473.96720*
RelInt Mean	2.32546130	0.13847668	0.03998613	0.03047639	0.03177338	0.30727817	1.32137020
RelInt RSD	*0.30523560*	*0.28827800*	*0.75074819*	*0.23478263*	*0.52550791*	*0.36363465*	*0.58900469*
RelInt SD	*0.00709814*	*0.00039920*	*0.00030020*	*0.00007155*	*0.00016697*	*0.00111737*	*0.00778293*
Conc Mean	99.84974500[mg/l]	1.02155310[mg/l]	1.06708230[mg/l]	1.02748730[mg/l]	0.98010567[mg/l]	5.11799180[mg/l]	0.98349711[mg/l]
Conc RSD	*0.30849479*	*0.28878550*	*0.75060743*	*0.23450633*	*0.52647699*	*0.36403063*	*0.58892364*
Conc SD	*0.30803126[mg/l]*	*0.00295010[mg/l]*	*0.00800960[mg/l]*	*0.00240952[mg/l]*	*0.00516003[mg/l]*	*0.01863106[mg/l]*	*0.00579205[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2416406	22389.41100	143303	1053138	18055983	363460	411917
Int RSD	*1.27352634*	*0.21375770*	*1.38077759*	*0.36569139*	*0.55193637*	*1.06383663*	*0.26507258*
Int SD	*30773.57200*	*47.85908900*	*1978.70110*	*3851.23500*	*99657.53800*	*3866.61690*	*1091.88030*
RelInt Mean	0.13031073	0.01623870	0.00705537	---	---	---	0.38903205
RelInt RSD	*1.44658387*	*0.15285444*	*1.61500141*	---	---	---	*0.24280384*
RelInt SD	*0.00188505*	*0.00002482*	*0.00011394*	---	---	---	*0.00094458*
Conc Mean	1.05398630[mg/l]	1.02874490[mg/l]	1.05255740[mg/l]	1041358	17971037	361816	1.03204570[mg/l]
Conc RSD	*1.45878367*	*0.15537497*	*1.66323300*	---	---	---	*0.24282052*
Conc SD	*0.01537538[mg/l]*	*0.00159841[mg/l]*	*0.01750648[mg/l]*	*3827.73720*	*99515.45400*	*4098.93020*	*0.00250602[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	126395	42163.54200	489764	348195	370980	8658.32950	
Int RSD	*0.21599214*	*10.17646098*	*0.20636290*	*0.30500994*	*0.28793988*	*0.94759551*	
Int SD	*273.00396000*	*4290.75640*	*1010.69020*	*1062.03050*	*1068.19800*	*82.04594200*	
RelInt Mean	0.34822941	0.10002106	0.46155594	0.32786533	0.34692341	0.00066857	
RelInt RSD	*1.29432913*	*9.78245192*	*0.25605091*	*0.22097984*	*0.23547489*	*9.09484769*	
RelInt SD	*0.00450723*	*0.00978451*	*0.00118182*	*0.00072452*	*0.00081692*	*0.00006081*	
Conc Mean	0.93935832[mg/l]	0.93774631[mg/l]	5.21224700[mg/l]	5.46646050[mg/l]	1.04018930[mg/l]	0.02784825[mg/l]	
Conc RSD	*1.29284340*	*9.88736687*	*0.25755570*	*0.22108803*	*0.23470894*	*7.69251688*	
Conc SD	*0.01214443[mg/l]*	*0.09271842[mg/l]*	*0.01342444[mg/l]*	*0.01208569[mg/l]*	*0.00244142[mg/l]*	*0.00214223[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 467771 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973067 File : met06_master Time : 23-AUG-2022 13:45
Cal : 482338973001 Caldate : 23-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18834812	7.30
Yttrium	A	970979	1122614	15.62
Yttrium	R	370837	388771	4.84

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2022-08-23 13:45:09	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	66866.27500	1995.50040	5318.89840	8578.70360	9577.55830	1161.54490	8995.05210
Int RSD	*0.12330267*	*7.36600504*	*0.57216502*	*0.67831521*	*0.20471065*	*8.16616405*	*0.47922113*
Int SD	*82.44790500*	*146.98866000*	*30.43287600*	*58.19065100*	*19.60628200*	*94.85366200*	*43.10619000*
RelInt Mean	0.00004677	0.00117585	-0.00004272	0.00058574	0.00011705	0.00211613	-0.00005286
RelInt RSD	*23.83412607*	*13.16865033*	*96.47402977*	*8.28346034*	*41.38814510*	*15.13968157*	*85.07144717*
RelInt SD	*0.00001115*	*0.00015484*	*0.00004122*	*0.00004852*	*0.00004845*	*0.00032038*	*0.00004497*
Conc Mean	<0.00006164[mg/l]	<-0.01765876[mg/l]	0.00481149[mg/l]	0.00184775[mg/l]	<-0.00025798[mg/l]	<0.03214155[mg/l]	<-0.00027838[mg/l]
Conc RSD	*596.04903736*	*121.66386173*	*27.59689081*	*23.36508924*	*60.10079391*	*49.61436670*	*80.92613805*
Conc SD	*0.00036741[mg/l]*	*0.02148433[mg/l]*	*0.00132782[mg/l]*	*0.00043173[mg/l]*	*0.00015505[mg/l]*	*0.01594682[mg/l]*	*0.00022528[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7843.35280	70649.44400	11665.35800	1292.89220	2382.54950	11003.73500	6609.06740
Int RSD	*0.55265131*	*0.21768893*	*0.77544723*	*17.43718773*	*11.40959925*	*0.50814537*	*1.15700230*
Int SD	*43.34639200*	*153.79602000*	*90.45869600*	*225.44404000*	*271.83935000*	*55.91497000*	*76.46706200*
RelInt Mean	0.00003190	0.00075729	0.00052599	0.00288252	0.00041508	0.00017234	0.00040979
RelInt RSD	*78.44638114*	*2.75170556*	*12.74078402*	*14.97577411*	*74.87720628*	*25.28697425*	*19.18048891*
RelInt SD	*0.00002503*	*0.00002084*	*0.00006702*	*0.00043168*	*0.00031080*	*0.00004358*	*0.00007860*
Conc Mean	<0.00001057[mg/l]	<0.00015407[mg/l]	<-0.06607345[mg/l]	<1.43138400[mg/l]	<0.08081591[mg/l]	<-0.00005520[mg/l]	<0.00014390[mg/l]
Conc RSD	*1539.44896*	*314.22545025*	*0.31124698*	*26.44529490*	*107.47939759*	*47.86559082*	*375.70737495*
Conc SD	*0.00016267[mg/l]*	*0.00048412[mg/l]*	*0.00020565[mg/l]*	*0.37853372[mg/l]*	*0.08686045[mg/l]*	*0.00002642[mg/l]*	*0.00054064[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	24441.75100	9807.23380	9966.44830	6878.77400	5470.93420	5086.93340	1345.10320
Int RSD	*6.31372687*	*0.55591121*	*0.28140157*	*0.12342769*	*0.10722089*	*0.52165881*	*7.49933239*
Int SD	*1543.18540*	*54.51951200*	*28.04574200*	*8.49031200*	*5.86598430*	*26.53643600*	*100.87376000*
RelInt Mean	0.04215906	0.00020051	-0.00009637	0.00001710	-0.00000700	0.00001938	-0.00017712
RelInt RSD	*2.19763662*	*15.43737392*	*69.36887499*	*78.90032786*	*406.33517576*	*115.51503724*	*116.90147183*
RelInt SD	*0.00092650*	*0.00003095*	*0.00006685*	*0.00001349*	*0.00002843*	*0.00002239*	*0.00020706*
Conc Mean	0.76428023[mg/l]	<-0.00031270[mg/l]	<0.00024628[mg/l]	<-0.00203566[mg/l]	<-0.00202428[mg/l]	<-0.00524614[mg/l]	<0.00000809[mg/l]
Conc RSD	*5.26066336*	*73.15333300*	*722.48714381*	*22.54629758*	*43.39731541*	*7.11631028*	*1903.93960*
Conc SD	*0.04020621[mg/l]*	*0.00022875[mg/l]*	*0.00177931[mg/l]*	*0.00045897[mg/l]*	*0.00087848[mg/l]*	*0.00037333[mg/l]*	*0.00015409[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	71549.93300	4972.21990	19150.18100	1122614	18834812	388771	6721.23500
Int RSD	*0.38766897*	*0.22587645*	*0.49781407*	*0.55642752*	*0.16609491*	*0.47600988*	*0.89178443*
Int SD	*277.37689000*	*11.23107400*	*95.33229600*	*6246.53100*	*31283.66400*	*1850.58680*	*59.93892700*
RelInt Mean	-0.00002587	-0.00010032	0.00017889	---	---	---	0.00023118
RelInt RSD	*39.57621971*	*25.57492002*	*1.09558459*	---	---	---	*26.98206693*
RelInt SD	*0.00001024*	*0.00002566*	*0.00000196*	---	---	---	*0.00006238*
Conc Mean	<-0.00909880[mg/l]	0.00395332[mg/l]	<-0.00353547[mg/l]	1111277	18749674	387001	<0.00011254[mg/l]
Conc RSD	*0.91788278*	*40.95931597*	*8.51594688*	---	---	---	*147.24016075*
Conc SD	*0.00008352[mg/l]*	*0.00161925[mg/l]*	*0.00030108[mg/l]*	*6174.88630*	*31259.33900*	*2012.68500*	*0.00016571[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	237.67180000	6388.24520	8874.66230	6322.28370	9079.64210	8424.41650	
Int RSD	*45.56270874*	*20.27612372*	*0.46314095*	*1.01249688*	*0.55273292*	*0.85692915*	
Int SD	*108.28971000*	*1295.28850*	*41.10219500*	*64.01292500*	*50.18617100*	*72.19128100*	
RelInt Mean	-0.00030970	0.00086111	0.00042382	0.00008668	0.00004427	0.00060738	
RelInt RSD	*37.44672745*	*33.93732487*	*3.50388116*	*50.17342179*	*100.26426207*	*16.16877411*	
RelInt SD	*0.00011597*	*0.00029224*	*0.00001485*	*0.00004349*	*0.00004439*	*0.00009821*	
Conc Mean	<0.00024440[mg/l]	<-0.00189701[mg/l]	<-0.00144037[mg/l]	<-0.00121800[mg/l]	<-0.00038750[mg/l]	0.02569252[mg/l]	
Conc RSD	*127.85673220*	*145.98079082*	*10.91907115*	*59.55927450*	*35.73645221*	*13.46653321*	
Conc SD	*0.00031248[mg/l]*	*0.00276927[mg/l]*	*0.00015728[mg/l]*	*0.00072543[mg/l]*	*0.00013848[mg/l]*	*0.00345989[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 467771 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973078 File : met06_master Time : 23-AUG-2022 14:20
Cal : 482338973001 Caldate : 23-AUG-2022
Standards: S17024, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0347	0.0391	1.000	1.045	mg/l	4	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18184826	3.60
Yttrium	A	970979	1056842	8.84
Yttrium	R	370837	368579	-0.61

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S17024 | Sample Type: Control Sample

Measure Date: 2022-08-23 14:20:58 | Recalculation Date: | State: Check failed | Quality: Failed

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	366555	6904.08520	39276.91500	122886	327626	745025	213990
Int RSD	*1.42164329*	*5.48185109*	*0.37217197*	*0.43028793*	*0.04278027*	*0.33147631*	*0.18399953*
Int SD	*5211.10740*	*378.47167000*	*146.17767000*	*528.76332000*	*140.15928000*	*2469.58190*	*393.74117000*
RelInt Mean	0.01663663	0.00845194	0.03213721	0.10964239	0.30403295	2.02867100	0.19568135
RelInt RSD	*1.61766607*	*7.84755105*	*0.60367799*	*0.66819742*	*0.20263914*	*0.61574804*	*0.19187752*
RelInt SD	*0.00026913*	*0.00066327*	*0.00019401*	*0.00073263*	*0.00061609*	*0.01249150*	*0.00037547*
Conc Mean	0.54682192[mg/l]	0.99188999[mg/l]	1.04060730[mg/l]	0.97223965[mg/l]	0.97751031[mg/l]	100.90458000[mg/l]	0.97854000[mg/l]
Conc RSD	*1.62204597*	*9.27804161*	*0.60034598*	*0.67050876*	*0.20148532*	*0.61619260*	*0.19146312*
Conc SD	*0.00886970[mg/l]*	*0.09202797[mg/l]*	*0.00624724[mg/l]*	*0.00651895[mg/l]*	*0.00196954[mg/l]*	*0.62176655[mg/l]*	*0.00187354[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	165471	854163	367326	43596.60500	126098	1685160	161254
Int RSD	*0.11228421*	*2.31971009*	*1.87715836*	*11.22278466*	*1.41418487*	*0.25005957*	*0.31332382*
Int SD	*185.79827000*	*19814.09600*	*6895.28810*	*4892.75310*	*1783.25360*	*4213.90410*	*505.24866000*
RelInt Mean	0.15031952	0.04400908	0.34029162	0.11833651	0.33703650	1.60148310	0.14804610
RelInt RSD	*0.29892710*	*2.43114750*	*1.73839703*	*12.07637018*	*0.69092359*	*0.05901698*	*0.54055737*
RelInt SD	*0.00044935*	*0.00106993*	*0.00591562*	*0.01429076*	*0.00232866*	*0.00094515*	*0.00080027*
Conc Mean	0.97687828[mg/l]	1.00498220[mg/l]	0.97657396[mg/l]	102.67149000[mg/l]	94.15659900[mg/l]	0.97071991[mg/l]	1.01564630[mg/l]
Conc RSD	*0.29898717*	*2.47333684*	*1.85888737*	*12.20531133*	*0.69118175*	*0.05902543*	*0.54198052*
Conc SD	*0.00292074[mg/l]*	*0.02485660[mg/l]*	*0.01815341[mg/l]*	*12.53137500[mg/l]*	*0.65079323[mg/l]*	*0.00057297[mg/l]*	*0.00550461[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	839397	151060	51374.23200	38290.14800	38461.03200	318779	472053
Int RSD	*0.14697984*	*0.11561985*	*0.27295561*	*0.39446288*	*0.60848040*	*0.27656948*	*0.09350448*
Int SD	*1233.74420*	*174.65493000*	*140.22885000*	*151.04042000*	*234.02784000*	*881.64621000*	*441.39080000*
RelInt Mean	2.26222960	0.13489195	0.03914465	0.02978370	0.03131839	0.29988069	1.28251620
RelInt RSD	*0.67613393*	*0.24902086*	*0.44347257*	*0.41936805*	*0.53020623*	*0.27948332*	*0.75561659*
RelInt SD	*0.01529570*	*0.00033591*	*0.00017360*	*0.00012490*	*0.00016605*	*0.00083812*	*0.00969091*
Conc Mean	97.10576200[mg/l]	0.99506183[mg/l]	1.04469040[mg/l]	1.00409230[mg/l]	0.96604500[mg/l]	4.99464620[mg/l]	0.95458217[mg/l]
Conc RSD	*0.68354882*	*0.24946989*	*0.44192155*	*0.42373840*	*0.53119917*	*0.27979497*	*0.75550754*
Conc SD	*0.66376529[mg/l]*	*0.00248238[mg/l]*	*0.00461671[mg/l]*	*0.00425472[mg/l]*	*0.00513162[mg/l]*	*0.01397477[mg/l]*	*0.00721194[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2390795	22179.41900	140488	1056842	18184826	368579	402916
Int RSD	*1.02082525*	*0.21967185*	*2.09793216*	*0.22022109*	*0.30962717*	*0.85674526*	*0.18535217*
Int SD	*24405.83500*	*48.72193900*	*2947.34440*	*2327.38870*	*56305.16300*	*3157.78320*	*746.81381000*
RelInt Mean	0.12797213	0.01595684	0.00685520	---	---	---	0.37897842
RelInt RSD	*1.04854979*	*0.11398215*	*2.18035498*	---	---	---	*0.03518161*
RelInt SD	*0.00134185*	*0.00001819*	*0.00014947*	---	---	---	*0.00013333*
Conc Mean	1.03491160[mg/l]	1.01108170[mg/l]	1.02181280[mg/l]	1045107	18099699	367023	1.00536190[mg/l]
Conc RSD	*1.05755390*	*0.11100283*	*2.24722483*	---	---	---	*0.03507024*
Conc SD	*0.01094475[mg/l]*	*0.00112233[mg/l]*	*0.02296243[mg/l]*	*2334.12060*	*56422.32700*	*3184.17200*	*0.00035258[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	123463	42399.70400	478499	341415	363038	8213.34590	
Int RSD	*0.81081602*	*1.53953938*	*0.00170809*	*0.17796654*	*0.11352976*	*0.18802385*	
Int SD	*1001.06070*	*652.76014000*	*8.17318990*	*607.60519000*	*412.15600000*	*15.44304900*	
RelInt Mean	0.33515830	0.09989155	0.44912174	0.32018650	0.33809829	0.00020861	
RelInt RSD	*1.78820372*	*0.73223348*	*0.24420492*	*0.30523844*	*0.33980246*	*5.82833864*	
RelInt SD	*0.00599331*	*0.00073144*	*0.00109678*	*0.00097733*	*0.00114887*	*0.00001216*	
Conc Mean	0.90413915[mg/l]	0.93651907[mg/l]	5.07154840[mg/l]	5.33836990[mg/l]	1.01367700[mg/l]	0.01164348[mg/l]	
Conc RSD	*1.78607021*	*0.74009675*	*0.24316420*	*0.30539062*	*0.33913134*	*3.67894950*	
Conc SD	*0.01614856[mg/l]*	*0.00693115[mg/l]*	*0.01233219[mg/l]*	*0.01630288[mg/l]*	*0.00343770[mg/l]*	*0.00042836[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 467771 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482338973079 File : met06_master Time : 23-AUG-2022 14:24
Cal : 482338973001 Caldate : 23-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	17553115	18762638	6.89
Yttrium	A	970979	1130806	16.46
Yttrium	R	370837	392206	5.76

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2022-08-23 14:24:13	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	67074.78900	1747.37300	5346.95000	8540.52990	9636.32860	1063.24490	9032.38080
Int RSD	*0.40910932*	*7.45989608*	*0.52760009*	*0.92249881*	*0.22230701*	*19.34537565*	*0.38338698*
Int SD	*274.40921000*	*130.35221000*	*28.21051300*	*78.78628700*	*21.42223400*	*205.68872000*	*34.62897200*
RelInt Mean	0.00005412	0.00077263	-0.00005422	0.00051611	0.00014776	0.00196099	-0.00004581
RelInt RSD	*27.14237631*	*27.42736434*	*20.06441500*	*17.88907377*	*7.74557873*	*14.65176518*	*60.27928402*
RelInt SD	*0.00001469*	*0.00021191*	*0.00001088*	*0.00009233*	*0.00001144*	*0.00028732*	*0.00002761*
Conc Mean	<0.00030377[mg/l]	<-0.07360477[mg/l]	0.00444084[mg/l]	<0.00122815[mg/l]	<-0.00015698[mg/l]	<0.02441938[mg/l]	<-0.00024352[mg/l]
Conc RSD	*159.37585942*	*39.94655347*	*7.89325550*	*66.89127679*	*23.18568014*	*58.56601700*	*56.83739828*
Conc SD	*0.00048413[mg/l]*	*0.02940257[mg/l]*	*0.00035053[mg/l]*	*0.00082153[mg/l]*	*0.00003640[mg/l]*	*0.01430146[mg/l]*	*0.00013841[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7906.62890	71088.35600	12801.95600	1572.84470	2050.86320	11104.77700	6593.55800
Int RSD	*0.15319458*	*0.19242065*	*4.59562468*	*1.33394003*	*11.92446283*	*0.22409328*	*0.91618151*
Int SD	*12.11252700*	*136.78868000*	*588.32985000*	*20.98080500*	*244.55442000*	*24.88505900*	*60.40895900*
RelInt Mean	0.00004255	0.00077582	0.00149083	0.00361625	-0.00000550	0.00022364	0.00033691
RelInt RSD	*16.19459397*	*2.17923044*	*36.49504629*	*3.14198965*	*5309.51093*	*17.51520695*	*13.60312881*
RelInt SD	*0.00000689*	*0.00001691*	*0.00054408*	*0.00011362*	*0.00029199*	*0.00003917*	*0.00004583*
Conc Mean	<0.00007980[mg/l]	<0.00058462[mg/l]	<-0.06311262[mg/l]	2.07478640[mg/l]	<-0.03672485[mg/l]	<-0.00002409[mg/l]	<-0.00035742[mg/l]
Conc RSD	*56.13124941*	*67.18602974*	*2.64547866*	*4.80212402*	*222.19706245*	*98.56682759*	*88.19865152*
Conc SD	*0.00004479[mg/l]*	*0.00039278[mg/l]*	*0.00166963[mg/l]*	*0.09963382[mg/l]*	*0.08160153[mg/l]*	*0.00002375[mg/l]*	*0.00031524[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	30660.40900	9823.41800	10043.13100	6875.38120	5521.75830	5119.20540	1279.73790
Int RSD	*2.72320389*	*0.24294349*	*0.02228611*	*0.74503105*	*0.50106282*	*0.37143436*	*8.48984155*
Int SD	*834.94545000*	*23.86535500*	*2.23822340*	*51.22372500*	*27.66747800*	*19.01448800*	*108.64772000*
RelInt Mean	0.05865889	0.00018641	-0.00008527	-0.00003145	0.00003753	0.00002061	-0.00020335
RelInt RSD	*1.21956944*	*22.22247919*	*39.33816962*	*112.36630507*	*43.72507247*	*84.56663091*	*49.14885894*
RelInt SD	*0.00071539*	*0.00004142*	*0.00003355*	*0.00003534*	*0.00001641*	*0.00001743*	*0.00009995*
Conc Mean	1.48030180[mg/l]	<-0.00041695[mg/l]	<0.00055291[mg/l]	<-0.00368636[mg/l]	<-0.00064820[mg/l]	<-0.00522561[mg/l]	<-0.00001143[mg/l]
Conc RSD	*2.09718464*	*73.42090864*	*161.69603806*	*32.59038556*	*78.24167897*	*5.56242029*	*650.80440480*
Conc SD	*0.03104466[mg/l]*	*0.00030613[mg/l]*	*0.00089404[mg/l]*	*0.00120140[mg/l]*	*0.00050716[mg/l]*	*0.00029067[mg/l]*	*0.00007438[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	72030.23400	4997.21530	19058.56000	1130806	18762638	392206	6743.99880
Int RSD	*0.48052516*	*0.48691991*	*0.45684652*	*0.24678395*	*0.86432393*	*0.66562715*	*0.67422883*
Int SD	*346.12340000*	*24.33243600*	*87.06836800*	*2790.64720*	*162170*	*2610.63250*	*45.46998400*
RelInt Mean	0.00000813	-0.00011284	0.00017451	---	---	---	0.00021271
RelInt RSD	*247.31038421*	*20.72276091*	*4.76788179*	---	---	---	*19.72515247*
RelInt SD	*0.00002010*	*0.00002338*	*0.00000832*	---	---	---	*0.00004196*
Conc Mean	<-0.00882147[mg/l]	<0.00316423[mg/l]	<-0.00420747[mg/l]	1119366	18677408	390578	<0.00006346[mg/l]
Conc RSD	*1.85871542*	*46.60229162*	*30.38075917*	---	---	---	*175.53797614*
Conc SD	*0.00016397[mg/l]*	*0.00147460[mg/l]*	*0.00127826[mg/l]*	*2918.22070*	*161969*	*2420.43350*	*0.00011139[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	209.95805000	5975.30650	9023.61550	6340.49340	9103.69040	8063.76220	
Int RSD	*66.31210378*	*14.81599597*	*0.80046845*	*0.30773570*	*0.30495597*	*0.66065192*	
Int SD	*139.22760000*	*885.30117000*	*72.23119500*	*19.51196200*	*27.76224700*	*53.27340000*	
RelInt Mean	-0.00044254	0.00078558	0.00051001	0.00005789	0.00002878	0.00025123	
RelInt RSD	*63.94321754*	*17.04627147*	*10.54817079*	*32.72821731*	*120.91838663*	*25.36067068*	
RelInt SD	*0.00028298*	*0.00013391*	*0.00005380*	*0.00001895*	*0.00003480*	*0.00006371*	
Conc Mean	<-0.00011352[mg/l]	<-0.00261278[mg/l]	<-0.00045025[mg/l]	<-0.00169818[mg/l]	<-0.00043279[mg/l]	0.01314511[mg/l]	
Conc RSD	*671.62952958*	*48.56720942*	*134.33082793*	*18.61069825*	*24.14803935*	*17.07648405*	
Conc SD	*0.00076246[mg/l]*	*0.00126896[mg/l]*	*0.00060482[mg/l]*	*0.00031604[mg/l]*	*0.00010451[mg/l]*	*0.00224472[mg/l]*	

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

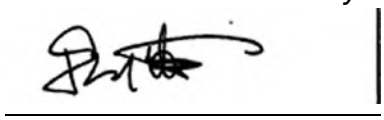
Lab Job Number:	467774
Report Level:	II
Report Date:	01/05/2023

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	467774
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	08/22/22

Sample ID	Lab ID	Collected	Matrix
DOOR-N-0.2GE-DG-4 TO 18-220822-P-LA	467774-001	08/22/22 11:30	Wipe
DOOR-N-0.2GE-DG-4 TO 18-220822-L-LA	467774-002	08/22/22 11:30	Wipe
DOOR-N-0.5GE-EXT-4 TO 5-220822-P-CB	467774-003	08/22/22 12:08	Wipe
DOOR-N-0.5GE-EXT-4 TO 5-220822-L-CB	467774-004	08/22/22 12:08	Wipe
ARCH-C1E-PS-6.5-220822-P-G	467774-005	08/22/22 11:00	Wipe
ARCH-C1E-PS-6.5-220822-L-G	467774-006	08/22/22 11:00	Wipe
ARCH-C1E-INT-6.5 TO 7.5-220822-P-WF	467774-007	08/22/22 11:20	Wipe
ARCH-C1E-INT-6.5 TO 7.5-220822-L-WF	467774-008	08/22/22 11:20	Wipe

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 467774 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 08/22/22

This data package contains sample and QC results for eight wipe samples, requested for the above referenced project on 08/23/22. The samples were received cold and intact. Reissued 1/5/23 to revise the preparation method reference.

PCBs (EPA 8082):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

467774 JG

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	DOOR-N-0.2GE-DG-4 TO 18-2208 22-P- LA	8/22/2022	1130	WP	1		X			**Confirmation Wipe Samples - Level II Report/Stage 2A Validation**
2	DOOR-N-0.2GE-DG-4 TO 18-2208 22-L- LA	8/22/2022	1130	WP	1			X		Report PCB concentrations on a µg/100cm² basis
3	DOOR-N-0.5GE-EXT-4 TO 5-2208 22-P- CB	8/22/2022	1208	WP	1		X			Report lead concentrations on a µg/ft² basis
4	DOOR-N-0.5GE-EXT-4 TO 5-2208 22-L- CB	8/22/2022	1208	WP	1			X		Report Aroclor 1268 concentrations in addition to the standard Aroclors
5	ARCH-C1E-PS-6.5-2208 22-P- G	8/22/2022	1100	WP	1		X			
6	ARCH-C1E-PS-6.5-2208 22-L- G	8/22/2022	1100	WP	1			X		2x Type 1 Rivets = 0.0176 ft2
7	ARCH-C1E-INT-6.5 TO 7.5-2208 22-P- WF	8/22/2022	1120	WP	1		X			
8	ARCH-C1E-INT-6.5 TO 7.5-2208 22-L- WF	8/22/2022	1120	WP	1			X		2x Type 2 Rivets = 0.0260 ft2
9	~~DOOR-N-0.4GE-DG-3 TO 16-2208 -P-~~	~~8/ /2022~~		WP	1		X			
10	~~DOOR-N-0.4GE-DG-3 TO 16-2208 -P-DUP-~~	~~8/ /2022~~		WP	1		X			MK
11	~~DOOR-N-0.4GE-DG-3 TO 16-2208 -L-~~	~~8/ /2022~~		WP	1			X		MK
12										MK
13										
14										
15										

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michaela Kim	Rincon/Env Scientist	1350 8/22/22
1 Received By:	Audrey Hudson	Audrey Hudson	ENTHALPY	1:50 8/22/22
2 Relinquished By:	Audrey Hudson	"	"	16:14 8/22/22
2 Received By:		Maureen Hupp	EA	8/22/22 16:14
3 Relinquished By:		Lisa Flores	EA	8/22/22 17:57
3 Received By:		Yanira	EA	8/23/2022 08:35

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 467774 Client: Rincon

Date Received: 8.22.22 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☐ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 8.22 By (print) JH (sign) JH

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☐ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: 1.2, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	–		
Were Method 5035 sampling containers present?		–	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	–		
Are there any missing / extra samples?		–	
Are samples in the appropriate containers for indicated tests?	–		
Are sample labels present, in good condition and complete?	–		
Does the container count match the COC?	–		
Do the sample labels agree with custody papers?	–		
Was sufficient amount of sample sent for tests requested?	–		
Did you change the hold time in LIMS for unpreserved VOAs?			–
Did you change the hold time in LIMS for preserved terracores?			–
Are bubbles > 6mm present in VOA samples?			–
Was the client contacted concerning this sample delivery?		–	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 8-22 **By (print)** MAY **(sign)** _____

Date Labeled 8-22 **By (print)** JH **(sign)** JH

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants, Inc. Project: Hangar 1 - NCTRA WP / 15[illegible] Cody Road. Mountain View, CA

Date Received: 8/23/2022 Sampler's Name Present: ☐ Yes ☑ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.8 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: Greyhound

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☑ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.9 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?	✓		
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Yanira Date: 8/25/2022

9/5.8

c/ 0.9

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467774 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.2GE-DG-4 TO 18-220822-P-LA **Batch#:** 295632 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/22/22 **Analysis:** EPA 8082

Lab ID: 467774-001 **Received:** 08/22/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/24/22

Diln Fac: 1.000 **Analyzed:** 08/29/22

467774-001 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467774-001 Surrogate	%REC	Limits
TCMX (PCB)	69	52-186
Decachlorobiphenyl (PCB)	62	50-150

Field ID: DOOR-N-0.5GE-EXT-4 TO 5-220822-P-CB **Batch#:** 295632 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/22/22 **Analysis:** EPA 8082

Lab ID: 467774-003 **Received:** 08/22/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/24/22

Diln Fac: 1.000 **Analyzed:** 08/26/22

467774-003 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467774-003 Surrogate	%REC	Limits
TCMX (PCB)	90	52-186
Decachlorobiphenyl (PCB)	61	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467774 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C1E-PS-6.5-220822-P-G **Batch#:** 295632 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/22/22 **Analysis:** EPA 8082

Lab ID: 467774-005 **Received:** 08/22/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/24/22

DiIn Fac: 1.000 **Analyzed:** 08/26/22

467774-005 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467774-005 Surrogate	%REC	Limits
TCMX (PCB)	92	52-186
Decachlorobiphenyl (PCB)	68	50-150

Field ID: ARCH-C1E-INT-6.5 TO 7.5-220822-P-WF **Batch#:** 295632 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/22/22 **Analysis:** EPA 8082

Lab ID: 467774-007 **Received:** 08/22/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/24/22

DiIn Fac: 1.000 **Analyzed:** 08/29/22

467774-007 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467774-007 Surrogate	%REC	Limits
TCMX (PCB)	75	52-186
Decachlorobiphenyl (PCB)	63	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467774 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 295632 **Analysis:** EPA 8082

Lab ID: QC1008494 **Prepared:** 08/24/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/26/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1008494 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1008494 Surrogate	%REC	Limits
TCMX (PCB)	92	52-186
Decachlorobiphenyl (PCB)	74	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 467774 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 295632 **Analysis:** EPA 8082

Lab ID: QC1008495 **Prepared:** 08/24/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/26/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1008495 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	5.095	102	60-140	ug/100 cm2
Aroclor-1260	5.000	5.648	113	60-140	ug/100 cm2

QC1008495 Surrogate	%REC	Limits
TCMX (PCB)	83	52-186
Decachlorobiphenyl (PCB)	79	60-140

Type: BSD **Batch#:** 295632 **Analysis:** EPA 8082

Lab ID: QC1008496 **Prepared:** 08/24/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/26/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1008496 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	5.690	114	60-140	ug/100 cm2	11	20
Aroclor-1260	5.000	6.161	123	60-140	ug/100 cm2	9	20

QC1008496 Surrogate	%REC	Limits
TCMX (PCB)	97	52-186
Decachlorobiphenyl (PCB)	88	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Lead

Lab #: 467774 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.2GE-DG-4 TO 18-220822-L-LA **Batch#:** 295524 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/22/22 **Analysis:** EPA 6010B
Lab ID: 467774-002 **Received:** 08/22/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/23/22
Dil n Fac: 1.000 **Analyzed:** 08/23/22

467774-002 Analyte	Result	RL	Units
Lead	**68**	0.49	ug/ft2

Field ID: DOOR-N-0.5GE-EXT-4 TO 5-220822-L-CB **Batch#:** 295524 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/22/22 **Analysis:** EPA 6010B
Lab ID: 467774-004 **Received:** 08/22/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/23/22
Dil n Fac: 1.000 **Analyzed:** 08/23/22

467774-004 Analyte	Result	RL	Units
Lead	**50**	0.50	ug/ft2

Field ID: ARCH-C1E-PS-6.5-220822-L-G **Batch#:** 295524 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/22/22 **Analysis:** EPA 6010B
Lab ID: 467774-006 **Received:** 08/22/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/23/22
Dil n Fac: 1.000 **Analyzed:** 08/23/22

467774-006 Analyte	Result	RL	Units
Lead	**20**	0.49	ug/ft2

Field ID: ARCH-C1E-INT-6.5 TO 7.5-220822-L-WF **Batch#:** 295524 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/22/22 **Analysis:** EPA 6010B
Lab ID: 467774-008 **Received:** 08/22/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/23/22
Dil n Fac: 1.000 **Analyzed:** 08/23/22

467774-008 Analyte	Result	RL	Units
Lead	**20**	0.50	ug/ft2

Type: BLANK **Batch#:** 295524 **Analysis:** EPA 6010B
Lab ID: QC1008205 **Prepared:** 08/23/22 **Analyst:** KLN
Matrix: Wipe **Analyzed:** 08/23/22
Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1008205 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 467774 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 295524 **Analysis:** EPA 6010B

Lab ID: QC1008206 **Prepared:** 08/23/22 **Analyst:** KLN

Matrix: Wipe **Analyzed:** 08/23/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1008206 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	104.6	105	80-120	ug/ft2

Type: BSD **Batch#:** 295524 **Analysis:** EPA 6010B

Lab ID: QC1008207 **Prepared:** 08/23/22 **Analyst:** KLN

Matrix: Wipe **Analyzed:** 08/23/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1008207 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	102.6	103	80-120	ug/ft2	2	20

Legend

RPD: Relative Percent Difference

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number:	466919
Report Level:	IV
Report Date:	01/05/2023

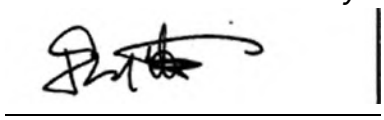
PCBs

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	466919
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	08/05/22

Sample ID	Lab ID	Collected	Matrix
DOOR-N-0.5GW-DG-7 TO 20-220805-P-LA	466919-001	08/05/22 09:24	Wipe
DOOR-N-0.8GW-EXT-5 TO 6-220805-P-CB	466919-003	08/05/22 10:28	Wipe
DOOR-N-0.9GW-PS-21-220805-P-G	466919-005	08/05/22 09:00	Wipe
DOOR-N-0.9GW-PS-21-220805-P-DUP-G	466919-006	08/05/22 09:00	Wipe
DOOR-N-0.8GE-INT-20 TO 21-220805-P-CB	466919-008	08/05/22 09:38	Wipe
DOOR-N-0.9GE-PS-20-220805-P-G	466919-011	08/05/22 09:55	Wipe

ENTHALPY ANALYTICAL

Case Narrative

PCBS (EPA 8082)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 466919 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 08/05/22

This data package contains sample and QC results for six wipe samples, requested for the above referenced project on 08/08/22. See attached cooler receipt form for any sample receipt problems or discrepancies. Reissued 1/5/23 to revise the preparation method reference.

PCBs (EPA 8082):

No analytical problems were encountered.

Chain of Custody

466919

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

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931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	DOOR-N-0.5GW-DG-7 TO 20-220805-P-LA	8/5/2022	0924	WP	1		X			1x Rivet Type 1 = 0.0138ft2
2	DOOR-N-0.5GW-DG-7 TO 20-220805-L-LA	8/5/2022	0924	WP	1			X		2x Rivet Type 1 = 0.0276ft2
3	DOOR-N-0.8GW-EXT-5 TO 6-220805-P-CB	8/5/2022	1028	WP	1		X			
4	DOOR-N-0.8GW-EXT-5 TO 6-220805-L-CB	8/5/2022	1028	WP	1			X		
5	DOOR-N-0.9GW-PS-21-220805-P-G	8/5/2022	0900	WP	1		X			
6	DOOR-N-0.9GW-PS-21-220805-P-DUP-G	8/5/2022	0900	WP	1		X			
7	DOOR-N-0.9GW-PS-21-220805-L-G	8/5/2022	0900	WP	1			X		14x Rivet Type 2 = 0.120ft2
8	DOOR-N-0.8GE-INT-20 TO 21-220805-P-CB	8/5/2022	0938	WP	1		X			
9	DOOR-N-0.8GE-INT-20 TO 21-220805-L-CB	8/5/2022	0938	WP	1			X		
10	DOOR-N-0.8GE-INT-20 TO 21-220805-L-DUP-CB	8/5/2022	0938	WP	1			X		
11	DOOR-N-0.9GE-PS-20-220805-P-G	8/5/2022	0955	WP	1		X			
12	DOOR-N-0.9GE-PS-20-220805-L-G	8/5/2022	0955	WP	1			X		6x Rivet Type 2 = 0.060ft2
13										
14										
15										

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michaela Kim	Rincon/Env Scientist	8/5/22 @1500
1 Received By:		Miguel Gamboa	EA	@1572 1500
2 Relinquished By:		Lisa Torres	EA	8/5/22 1554
2 Received By:		Elena Sylvestri	EA	8/6/22 08:00
3 Relinquished By:				
3 Received By:				

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 469 466919 Client: Rincon

Date Received: 8/5/22 Project:

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☒ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☒ Yes, how many? 1 ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☒ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 8/5/22 By (print) Nate (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☒ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☒ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☒ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: _____, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer?			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 8/5/22 **By (print)** UEF for NG **(sign)** _____

Date Labeled 8/5/22 **By (print)** UEF **(sign)** _____

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 NTCRA

Date Received: 8/6/22 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.7 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☑ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.4 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✔
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Jenna Sylvester Date: 8/6/22

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www.enthalpy.com/socal

#1 5.7/0.4

STD PPD

05AUG22 06:55P

** LABEL **

GLI 3090321289

Schd: GLI 6747

Pcs: 6 of 8

LOS ANGELES, CA

From: Enthalpy Analytical - Orange
000-000-0000

RECV: ENTHALPY ANALYTICAL
931 W. BARKLEY AVE

ORANGE, CA 92868
Phone: 925-487-8029

Manual Wght:
275.3
Tariff Wght:
278.0

PO/Ref #:

Standard
Agency Phone: (213)629-8420

WWW.SHIPGREYHOUND.COM

Results & QC Summary

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466919 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.5GW-DG-7 TO 20-220805-P-LA **Batch#:** 294557 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/05/22 **Analysis:** EPA 8082

Lab ID: 466919-001 **Received:** 08/05/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/08/22

Diln Fac: 1.000 **Analyzed:** 08/10/22

466919-001 Analyte	Result	RL	Units
Aroclor-1016	ND	0.90	ug/100 cm2
Aroclor-1221	ND	0.90	ug/100 cm2
Aroclor-1232	ND	0.90	ug/100 cm2
Aroclor-1242	ND	0.90	ug/100 cm2
Aroclor-1248	ND	0.90	ug/100 cm2
Aroclor-1254	ND	0.90	ug/100 cm2
Aroclor-1260	ND	0.90	ug/100 cm2
Aroclor-1262	ND	0.90	ug/100 cm2
Aroclor-1268	ND	0.90	ug/100 cm2

466919-001 Surrogate	%REC	Limits
TCMX (PCB)	83	52-186
Decachlorobiphenyl (PCB)	73	50-150

Field ID: DOOR-N-0.8GW-EXT-5 TO 6-220805-P-CB **Batch#:** 294557 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/05/22 **Analysis:** EPA 8082

Lab ID: 466919-003 **Received:** 08/05/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/08/22

Diln Fac: 1.000 **Analyzed:** 08/10/22

466919-003 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466919-003 Surrogate	%REC	Limits
TCMX (PCB)	91	52-186
Decachlorobiphenyl (PCB)	84	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466919 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.9GW-PS-21-220805-P-G **Batch#:** 294557 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/05/22 **Analysis:** EPA 8082

Lab ID: 466919-005 **Received:** 08/05/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/08/22

Dil n Fac: 1.000 **Analyzed:** 08/10/22

466919-005 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466919-005 Surrogate	%REC	Limits
TCMX (PCB)	86	52-186
Decachlorobiphenyl (PCB)	80	50-150

Field ID: DOOR-N-0.9GW-PS-21-220805-P-DUP-G **Batch#:** 294557 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/05/22 **Analysis:** EPA 8082

Lab ID: 466919-006 **Received:** 08/05/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/08/22

Dil n Fac: 1.000 **Analyzed:** 08/10/22

466919-006 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466919-006 Surrogate	%REC	Limits
TCMX (PCB)	87	52-186
Decachlorobiphenyl (PCB)	90	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466919 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.8GE-INT-20 TO 21-220805-P-CB **Batch#:** 294557 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/05/22 **Analysis:** EPA 8082

Lab ID: 466919-008 **Received:** 08/05/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/08/22

Diln Fac: 1.000 **Analyzed:** 08/10/22

466919-008 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466919-008 Surrogate	%REC	Limits
TCMX (PCB)	82	52-186
Decachlorobiphenyl (PCB)	75	50-150

Field ID: DOOR-N-0.9GE-PS-20-220805-P-G **Batch#:** 294557 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/05/22 **Analysis:** EPA 8082

Lab ID: 466919-011 **Received:** 08/05/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/08/22

Diln Fac: 1.000 **Analyzed:** 08/10/22

466919-011 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466919-011 Surrogate	%REC	Limits
TCMX (PCB)	75	52-186
Decachlorobiphenyl (PCB)	77	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466919 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 294557 **Analysis:** EPA 8082

Lab ID: QC1005240 **Prepared:** 08/08/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/10/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1005240 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1005240 Surrogate	%REC	Limits
TCMX (PCB)	111	52-186
Decachlorobiphenyl (PCB)	95	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 466919 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 294557 **Analysis:** EPA 8082

Lab ID: QC1005241 **Prepared:** 08/08/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/10/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1005241 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	5.627	113	60-140	ug/100 cm2
Aroclor-1260	5.000	5.677	114	60-140	ug/100 cm2

QC1005241 Surrogate	%REC	Limits
TCMX (PCB)	105	52-186
Decachlorobiphenyl (PCB)	94	60-140

Type: BSD **Batch#:** 294557 **Analysis:** EPA 8082

Lab ID: QC1005242 **Prepared:** 08/08/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/10/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1005242 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	5.878	118	60-140	ug/100 cm2	4	20
Aroclor-1260	5.000	5.962	119	60-140	ug/100 cm2	5	20

QC1005242 Surrogate	%REC	Limits
TCMX (PCB)	111	52-186
Decachlorobiphenyl (PCB)	98	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY INITIAL CALIBRATION FOR 466919 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_080822_1
Calibration #:	462317638001	Date:	08-AUG-2022 22:41

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc07_080822043	462317638043		08-AUG-2022 22:41	S16726 (100X), S17010 (250X)
L2	gc07_080822044	462317638044		08-AUG-2022 22:59	S16726 (40X), S17010 (250X)
L3	gc07_080822045	462317638045		08-AUG-2022 23:16	S16726 (20X), S17010 (250X)
L4	gc07_080822046	462317638046		08-AUG-2022 23:34	S16726 (8X), S17010 (250X)
L5	gc07_080822047	462317638047		08-AUG-2022 23:51	S16726 (4X), S17010 (250X)
L6	gc07_080822048	462317638048		09-AUG-2022 00:09	S16726 (2.66X), S17010 (250X)
L7	gc07_080822049	462317638049		09-AUG-2022 00:26	S16726 (2X), S17010 (250X)
L8	gc07_080822050	462317638050		09-AUG-2022 00:44	S16726 (1.33X), S17010 (250X)

Analyte	Ch	Type	X	a0	a1	a2	Units	Avg RF	r^2	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG	R		55.8207		ug/L	0.0179		17	8	.99	20	
Aroclor-1016 Peak # 2	A	AVRG	R		27.9206		ug/L	0.0358		18	8	.99	20	
Aroclor-1016 Peak # 3	A	QUAD	A	1.76578	0.02994	5.978E-6	ug/L	0.0420	0.994		7	.99	20	
Aroclor-1016 Peak # 4	A	AVRG	R		34.8694		ug/L	0.0287		18	8	.99	20	
Aroclor-1016 Peak # 5	A	AVRG	R		39.8257		ug/L	0.0251		18	8	.99	20	
Aroclor-1260 Peak # 1	A	AVRG	R		20.0490		ug/L	0.0499		19	8	.99	20	
Aroclor-1260 Peak # 2	A	AVRG	R		13.3473		ug/L	0.0749		19	8	.99	20	
Aroclor-1260 Peak # 3	A	AVRG	R		12.2075		ug/L	0.0819		18	8	.99	20	
Aroclor-1260 Peak # 4	A	AVRG	R		26.9076		ug/L	0.0372		18	8	.99	20	
Aroclor-1260 Peak # 5	A	AVRG	R		20.4363		ug/L	0.0489		19	8	.99	20	
Decachlorobiphenyl (PCB)	A	LINR	R	-2.8312	1.46912		pg/uL	0.9740	0.990		5	.99	20	
TCMX (PCB)	A	AVRG	R		1.14245		pg/uL	0.8753		15	8	.99	20	
Aroclor-1016 Peak # 1	B	AVRG	R		55.8551		ug/L	0.0179		10	8	.99	20	
Aroclor-1016 Peak # 2	B	AVRG	R		26.0395		ug/L	0.0384		10	8	.99	20	
Aroclor-1016 Peak # 3	B	AVRG	R		21.4294		ug/L	0.0467		10	8	.99	20	
Aroclor-1016 Peak # 4	B	AVRG	R		29.5857		ug/L	0.0338		10	8	.99	20	
Aroclor-1016 Peak # 5	B	AVRG	R		38.1465		ug/L	0.0262		10	8	.99	20	
Aroclor-1260 Peak # 1	B	AVRG	R		17.7648		ug/L	0.0563		12	8	.99	20	
Aroclor-1260 Peak # 2	B	AVRG	R		15.6009		ug/L	0.0641		15	8	.99	20	
Aroclor-1260 Peak # 3	B	AVRG	R		11.6488		ug/L	0.0858		14	8	.99	20	
Aroclor-1260 Peak # 4	B	AVRG	R		23.7461		ug/L	0.0421		15	8	.99	20	
Aroclor-1260 Peak # 5	B	AVRG	R		14.7088		ug/L	0.0680		19	7	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG	R		0.89153		pg/uL	1.1217		14	8	.99	20	
TCMX (PCB)	B	AVRG	R		1.18403		pg/uL	0.8446		9	8	.99	20	

Where the X-Axis holds the (A)mount: Instrument response = a0 + (amount × a1) + (amount² × a2) (invert equation before quantitating)
Where the X-Axis holds the (R)esponse: Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor
LINR: Linear regression
QUAD: Quadratic regression

ENTHALPY INITIAL CALIBRATION FOR 466919 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_080822_1
Calibration #:	462317638001	Date:	08-AUG-2022 22:41

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF
Aroclor-1016 Peak # 1	A	0.0199	0.0227	0.0201	0.0194	0.0149	0.0140	0.0164	0.0160
Aroclor-1016 Peak # 2	A	0.0416	0.0445	0.0411	0.0385	0.0296	0.0277	0.0322	0.0313
Aroclor-1016 Peak # 3	A		0.0527	0.0467	0.0456	0.0359	0.0335	0.0397	0.0399
Aroclor-1016 Peak # 4	A	0.0335	0.0350	0.0334	0.0305	0.0234	0.0222	0.0261	0.0254
Aroclor-1016 Peak # 5	A	0.0287	0.0307	0.0296	0.0269	0.0204	0.0194	0.0230	0.0222
Aroclor-1260 Peak # 1	A	0.0593	0.0610	0.0595	0.0528	0.0404	0.0375	0.0457	0.0428
Aroclor-1260 Peak # 2	A	0.0863	0.0937	0.0895	0.0797	0.0607	0.0567	0.0684	0.0644
Aroclor-1260 Peak # 3	A	0.0976	0.1003	0.0962	0.0856	0.0661	0.0623	0.0757	0.0716
Aroclor-1260 Peak # 4	A	0.0425	0.0458	0.0445	0.0388	0.0300	0.0283	0.0347	0.0327
Aroclor-1260 Peak # 5	A	0.0580	0.0569	0.0563	0.0586	0.0378	0.0362	0.0452	0.0426
Decachlorobiphenyl (PCB)	A		1.1460	1.2313	0.9906	0.7635	0.7388		
TCMX (PCB)	A	0.9585	1.0752	0.9767	0.9137	0.7252	0.7026	0.8257	0.8248
Aroclor-1016 Peak # 1	B	0.0163	0.0203	0.0191	0.0198	0.0160	0.0153	0.0186	0.0178
Aroclor-1016 Peak # 2	B	0.0380	0.0416	0.0415	0.0430	0.0339	0.0327	0.0393	0.0373
Aroclor-1016 Peak # 3	B	0.0485	0.0506	0.0510	0.0512	0.0407	0.0390	0.0472	0.0452
Aroclor-1016 Peak # 4	B	0.0355	0.0370	0.0365	0.0365	0.0296	0.0284	0.0343	0.0326
Aroclor-1016 Peak # 5	B	0.0264	0.0293	0.0272	0.0286	0.0230	0.0222	0.0272	0.0258
Aroclor-1260 Peak # 1	B	0.0587	0.0624	0.0650	0.0612	0.0481	0.0459	0.0565	0.0525
Aroclor-1260 Peak # 2	B	0.0729	0.0736	0.0741	0.0685	0.0532	0.0503	0.0626	0.0577
Aroclor-1260 Peak # 3	B	0.0926	0.0993	0.0984	0.0915	0.0715	0.0683	0.0857	0.0794
Aroclor-1260 Peak # 4	B	0.0392	0.0506	0.0487	0.0482	0.0354	0.0336	0.0424	0.0388
Aroclor-1260 Peak # 5	B		0.0830	0.0868	0.0651	0.0563	0.0540	0.0684	0.0624
Decachlorobiphenyl (PCB)	B	1.1644	1.2517	1.3567	1.1586	0.9420	0.9006	1.1545	1.0448
TCMX (PCB)	B	0.7791	0.8612	0.8958	0.9380	0.7512	0.7409	0.8982	0.8921

ENTHALPY INITIAL CALIBRATION FOR 466919 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_080822_1
Calibration #:	462317638001	Date:	08-AUG-2022 22:41

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	11	50.000	**27**	100.00	12	250.00	8	500.00	-17	751.88	**-22**	1000.0	-9	1503.8	-11
Aroclor-1016 Peak # 2	A	20.000	16	50.000	**24**	100.00	15	250.00	7	500.00	-17	751.88	**-23**	1000.0	-10	1503.8	-13
Aroclor-1016 Peak # 3	A			50.000	**-42**	100.00	-5	250.00	**21**	500.00	-2	751.88	-8	1000.0	5	1503.8	0
Aroclor-1016 Peak # 4	A	20.000	17	50.000	**22**	100.00	17	250.00	6	500.00	-18	751.88	**-23**	1000.0	-9	1503.8	-12
Aroclor-1016 Peak # 5	A	20.000	14	50.000	**22**	100.00	18	250.00	7	500.00	-19	751.88	**-23**	1000.0	-8	1503.8	-11
Aroclor-1260 Peak # 1	A	20.000	19	50.000	**22**	100.00	19	250.00	6	500.00	-19	751.88	**-25**	1000.0	-8	1503.8	-14
Aroclor-1260 Peak # 2	A	20.000	15	50.000	**25**	100.00	19	250.00	6	500.00	-19	751.88	**-24**	1000.0	-9	1503.8	-14
Aroclor-1260 Peak # 3	A	20.000	19	50.000	**22**	100.00	17	250.00	4	500.00	-19	751.88	**-24**	1000.0	-8	1503.8	-13
Aroclor-1260 Peak # 4	A	20.000	14	50.000	**23**	100.00	20	250.00	4	500.00	-19	751.88	**-24**	1000.0	-7	1503.8	-12
Aroclor-1260 Peak # 5	A	20.000	19	50.000	16	100.00	15	250.00	20	500.00	**-23**	751.88	**-26**	1000.0	-8	1503.8	-13
Decachlorobiphenyl (PCB)	A			2.0000	**-73**	4.0000	10	10.000	17	20.000	-2	30.075	-1				
TCMX (PCB)	A	0.8000	10	2.0000	**23**	4.0000	12	10.000	4	20.000	-17	30.075	-20	40.000	-6	60.150	-6
Aroclor-1016 Peak # 1	B	20.000	-9	50.000	14	100.00	7	250.00	11	500.00	-11	751.88	-14	1000.0	4	1503.8	-1
Aroclor-1016 Peak # 2	B	20.000	-1	50.000	8	100.00	8	250.00	12	500.00	-12	751.88	-15	1000.0	2	1503.8	-3
Aroclor-1016 Peak # 3	B	20.000	4	50.000	8	100.00	9	250.00	10	500.00	-13	751.88	-16	1000.0	1	1503.8	-3
Aroclor-1016 Peak # 4	B	20.000	5	50.000	9	100.00	8	250.00	8	500.00	-12	751.88	-16	1000.0	2	1503.8	-4
Aroclor-1016 Peak # 5	B	20.000	1	50.000	12	100.00	4	250.00	9	500.00	-12	751.88	-15	1000.0	4	1503.8	-2
Aroclor-1260 Peak # 1	B	20.000	4	50.000	11	100.00	16	250.00	9	500.00	-15	751.88	-19	1000.0	0	1503.8	-7
Aroclor-1260 Peak # 2	B	20.000	14	50.000	15	100.00	16	250.00	7	500.00	-17	751.88	**-22**	1000.0	-2	1503.8	-10
Aroclor-1260 Peak # 3	B	20.000	8	50.000	16	100.00	15	250.00	7	500.00	-17	751.88	-20	1000.0	0	1503.8	-7
Aroclor-1260 Peak # 4	B	20.000	-7	50.000	20	100.00	16	250.00	15	500.00	-16	751.88	-20	1000.0	1	1503.8	-8
Aroclor-1260 Peak # 5	B			50.000	**22**	100.00	**28**	250.00	-4	500.00	-17	751.88	**-21**	1000.0	1	1503.8	-8
Decachlorobiphenyl (PCB)	B	0.8000	4	2.0000	12	4.0000	**21**	10.000	3	20.000	-16	30.075	-20	40.000	3	60.150	-7
TCMX (PCB)	B	0.8000	-8	2.0000	2	4.0000	6	10.000	11	20.000	-11	30.075	-12	40.000	6	60.150	6

Analyst: TJW 08/09/22

Reviewer: LW 08/09/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 466919 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07	Name:	PCB_080822_1
Calnum:	462317638001	Cal Date:	08-AUG-2022

- ICV 462317638053 (gc07_080822053 09-AUG-2022) stds: S16736

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	456.6	ug/L	-9	15	
Aroclor-1260	A	500.0	468.4	ug/L	-6	15	
Aroclor-1016	B	500.0	476.3	ug/L	-5	15	
Aroclor-1260	B	500.0	495.5	ug/L	-1	15	

-

Reviewed By: TJW 08/11/22, SLL 08/11/22, TRN 08/12/22

ENTHALPY CONTINUING CALIBRATION FOR 466919 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07			IDF:	1.0
Seqnum:	462319236063	File:	gc07_080922063	Time:	10-AUG-2022 05:33
Cal:	462317638001	Caldate:	08-AUG-2022		

Standards: S17006

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	439.6	ug/L	-12	15	0.0000	
Aroclor-1260	A			500.0	447.9	ug/L	-10	15	0.0000	
Decachlorobiphenyl (PCB)	A	0.9740	0.7535	20.00	19.31	pg/uL	-3	15	0.0000	
TCMX (PCB)	A	0.8753	0.6935	20.00	15.85	pg/uL	**-21**	15	0.0000	c-
Aroclor-1016	B			500.0	451.9	ug/L	-10	15	0.0000	
Aroclor-1260	B			500.0	467.6	ug/L	-6	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.1217	0.9294	20.00	16.57	pg/uL	**-17**	15	0.0000	c-
TCMX (PCB)	B	0.8446	0.7119	20.00	16.86	pg/uL	**-16**	15	0.0000	c-

ISTD (ICAL gc07_080822044)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1564449	2659137	69.97
1-bromo-2-nitrobenzene (PCB)	A	4212293	7252655	72.18

-=low bias c=CCV

Analyst: TRN 08/10/22 **Reviewer:** SLL 08/10/22

Enthalpy Internal Standard Summary for Sequence 462319236

Date:	08/09/22	Reference:	gc07_080822044
Sequence:	SVOA-GC07 gc07_080922	Analyzed:	08/08/22 22:59

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	1564449	4212293
		LOWER LIMIT	782225	2106146
		UPPER LIMIT	3128899	8424585
021	CCV		1896026	5131765
063	CCV		2659137	7252655
102	CCV		1950134	5209672

Enthalpy Internal Standard Summary for Sequence 462319236

Date:	08/09/22	Reference:	gc07_080922063
Sequence:	SVOA-GC07 gc07_080922	Analyzed:	08/10/22 05:33

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	2659137	7252655
		LOWER LIMIT	1329568	3626328
		UPPER LIMIT	5318274	14505311
079	SAMPLE	466757-009	1336613	3711117
080	SAMPLE	466757-010	1447011	3999193
083	BLANK	QC1005240	1493102	4154890
084	BS	QC1005241	1455274	4102929
085	BSD	QC1005242	1416961	4046522
086	SAMPLE	466919-001	1507654	3767406
087	BLANK	QC1005662	1557333	2786532 *
088	BS	QC1005663	1708673	3211117 *
089	BSD	QC1005664	1679553	3240454 *
090	SAMPLE	467104-002	1617917	3605809 *
091	SAMPLE	467104-005	1282312 *	3241894 *
092	SAMPLE	466919-003	1368883	3257406 *
093	SAMPLE	466919-005	1791798	4316664
094	SAMPLE	466919-006	1362233	3329357 *
095	SAMPLE	467104-005	1510016	3732852
096	SAMPLE	466919-008	1598891	3797332
097	SAMPLE	466919-011	1395509	3353977 *
098	SAMPLE	466921-001	1482929	3484080 *
099	SAMPLE	466921-003	1438192	3580560 *
100	SAMPLE	466921-005	1353128	3341817 *
101	SAMPLE	466921-007	1412712	3672737

Enthalpy Internal Standard Summary for Sequence 462319236

Date:	08/09/22	Reference:	gc07_080922063
Sequence:	SVOA-GC07 gc07_080922	Analyzed:	08/10/22 05:33

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.45	4.28
		LOWER LIMIT	4.25	4.08
		UPPER LIMIT	4.65	4.48
079	SAMPLE	466757-009	4.45	4.28
080	SAMPLE	466757-010	4.45	4.28
083	BLANK	QC1005240	4.45	4.28
084	BS	QC1005241	4.45	4.28
085	BSD	QC1005242	4.45	4.28
086	SAMPLE	466919-001	4.45	4.28
087	BLANK	QC1005662	4.45	4.28
088	BS	QC1005663	4.45	4.28
089	BSD	QC1005664	4.45	4.28
090	SAMPLE	467104-002	4.45	4.28
091	SAMPLE	467104-005	4.45	4.28
092	SAMPLE	466919-003	4.45	4.28
093	SAMPLE	466919-005	4.45	4.28
094	SAMPLE	466919-006	4.45	4.28
095	SAMPLE	467104-005	4.45	4.28
096	SAMPLE	466919-008	4.45	4.28
097	SAMPLE	466919-011	4.45	4.28
098	SAMPLE	466921-001	4.45	4.28
099	SAMPLE	466921-003	4.45	4.28
100	SAMPLE	466921-005	4.45	4.28
101	SAMPLE	466921-007	4.45	4.28

Enthalpy Sequence Summary for Sequence 462317638

Instrument: SVOA-GC07 Begun: 08/08/22 13:41
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
010	gc07_080822010	PEM				08/08/22 13:41	1.0	1	
011	gc07_080822011	CCV				08/08/22 13:58	1.0	2	ac
016	gc07_080822016	PEM				08/08/22 17:30	1.0	1	
043	gc07_080822043	ICAL				08/08/22 22:41	1.0	3 4	
044	gc07_080822044	ICAL				08/08/22 22:59	1.0	3 4	
045	gc07_080822045	ICAL				08/08/22 23:16	1.0	3 4	
046	gc07_080822046	ICAL				08/08/22 23:34	1.0	3 4	
047	gc07_080822047	ICAL				08/08/22 23:51	1.0	3 4	
048	gc07_080822048	ICAL				08/09/22 00:09	1.0	3 4	
049	gc07_080822049	ICAL				08/09/22 00:26	1.0	3 4	
050	gc07_080822050	ICAL				08/09/22 00:44	1.0	3 4	
051	gc07_080822051	ICAL				08/09/22 01:01	1.0	3 4	
053	gc07_080822053	ICV				08/09/22 01:37	1.0	5	

TJW 08/09/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 43 through 53.

ac=average CCV drift out

Standards Used:
1=S17018 2=S17019 3=S16726 4=S17010 5=S16736

Enthalpy Sequence Summary for Sequence 462319236

Instrument: SVOA-GC07 Begun: 08/09/22 16:36

Method: EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used
021	gc07_080922021	CCV				08/09/22 16:36	1.0	1
026	gc07_080922026	BLANK	QC1005136	Wipe	294523	08/09/22 18:04	1.0	2
027	gc07_080922027	BS	QC1005137	Wipe	294523	08/09/22 18:22	1.0	2
028	gc07_080922028	BSD	QC1005138	Wipe	294523	08/09/22 18:39	1.0	2
029	gc07_080922029	SAMPLE	466742-001	Wipe	294523	08/09/22 19:37	1.0	2
030	gc07_080922030	SAMPLE	466742-003	Wipe	294523	08/09/22 19:55	1.0	2
031	gc07_080922031	SAMPLE	466742-005	Wipe	294523	08/09/22 20:12	1.0	2
032	gc07_080922032	SAMPLE	466742-007	Wipe	294523	08/09/22 20:30	1.0	2
033	gc07_080922033	SAMPLE	466742-009	Wipe	294523	08/09/22 20:48	1.0	2
034	gc07_080922034	SAMPLE	466742-011	Wipe	294523	08/09/22 21:05	1.0	2
035	gc07_080922035	SAMPLE	466742-013	Wipe	294523	08/09/22 21:23	1.0	2
036	gc07_080922036	SAMPLE	466742-016	Wipe	294523	08/09/22 21:40	1.0	2
037	gc07_080922037	SAMPLE	466742-019	Wipe	294523	08/09/22 21:58	1.0	2
038	gc07_080922038	SAMPLE	466745-001	Wipe	294523	08/09/22 22:15	1.0	2
039	gc07_080922039	SAMPLE	466745-003	Wipe	294523	08/09/22 22:33	1.0	2
040	gc07_080922040	SAMPLE	466745-004	Wipe	294523	08/09/22 22:50	1.0	2
041	gc07_080922041	SAMPLE	466745-006	Wipe	294523	08/09/22 23:08	1.0	2
042	gc07_080922042	SAMPLE	466745-008	Wipe	294523	08/09/22 23:25	1.0	2
043	gc07_080922043	SAMPLE	466745-009	Wipe	294523	08/09/22 23:43	1.0	2
044	gc07_080922044	SAMPLE	466745-011	Wipe	294523	08/10/22 00:00	1.0	2
045	gc07_080922045	SAMPLE	466745-013	Wipe	294523	08/10/22 00:18	1.0	2
046	gc07_080922046	SAMPLE	466745-018	Wipe	294523	08/10/22 00:36	1.0	2
047	gc07_080922047	BLANK	QC1004912	Soil	294455	08/10/22 00:53	1.0	2
048	gc07_080922048	BS	QC1004916	Soil	294455	08/10/22 01:11	1.0	2
049	gc07_080922049	BSD	QC1004917	Soil	294455	08/10/22 01:28	1.0	2
050	gc07_080922050	BS	QC1004916	Soil	294455	08/10/22 01:46	1.0	2
051	gc07_080922051	BSD	QC1004917	Soil	294455	08/10/22 02:03	1.0	2
052	gc07_080922052	SAMPLE	466757-001	Miscell.	294455	08/10/22 02:21	20.0	2
053	gc07_080922053	SAMPLE	466757-002	Miscell.	294455	08/10/22 02:38	5.0	2
054	gc07_080922054	SAMPLE	466757-003	Miscell.	294455	08/10/22 02:56	5.0	2
055	gc07_080922055	SAMPLE	466757-004	Miscell.	294455	08/10/22 03:13	5.0	2
056	gc07_080922056	SAMPLE	466757-005	Miscell.	294455	08/10/22 03:31	5.0	2
057	gc07_080922057	SAMPLE	466757-006	Miscell.	294455	08/10/22 03:48	5.0	2
058	gc07_080922058	SAMPLE	466757-007	Miscell.	294455	08/10/22 04:06	5.0	2
059	gc07_080922059	SAMPLE	466757-008	Miscell.	294455	08/10/22 04:23	5.0	2
063	gc07_080922063	CCV				08/10/22 05:33	1.0	1
079	gc07_080922079	SAMPLE	466757-009	Miscell.	294455	08/10/22 10:14	20.0	2
080	gc07_080922080	SAMPLE	466757-010	Miscell.	294455	08/10/22 10:32	20.0	2
083	gc07_080922083	BLANK	QC1005240	Wipe	294557	08/10/22 11:25	1.0	2
084	gc07_080922084	BS	QC1005241	Wipe	294557	08/10/22 11:42	1.0	2
085	gc07_080922085	BSD	QC1005242	Wipe	294557	08/10/22 12:00	1.0	2
086	gc07_080922086	SAMPLE	466919-001	Wipe	294557	08/10/22 12:18	1.0	2
087	gc07_080922087	BLANK	QC1005662	Air	294707	08/10/22 12:35	1.0	2
088	gc07_080922088	BS	QC1005663	Air	294707	08/10/22 12:53	1.0	2
089	gc07_080922089	BSD	QC1005664	Air	294707	08/10/22 13:10	1.0	2
090	gc07_080922090	SAMPLE	467104-002	Air	294707	08/10/22 13:28	1.0	2
091	gc07_080922091	SAMPLE	467104-005	Air	294707	08/10/22 13:46	1.0	2
092	gc07_080922092	SAMPLE	466919-003	Wipe	294557	08/10/22 14:03	1.0	2
093	gc07_080922093	SAMPLE	466919-005	Wipe	294557	08/10/22 14:21	1.0	2
094	gc07_080922094	SAMPLE	466919-006	Wipe	294557	08/10/22 14:38	1.0	2

Enthalpy Sequence Summary for Sequence 462319236

Instrument: SVOA-GC07 Begun: 08/09/22 16:36
Method: EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used
095	gc07_080922095	SAMPLE	467104-005	Air	294707	08/10/22 14:56	1.0	2
096	gc07_080922096	SAMPLE	466919-008	Wipe	294557	08/10/22 15:13	1.0	2
097	gc07_080922097	SAMPLE	466919-011	Wipe	294557	08/10/22 15:31	1.0	2
098	gc07_080922098	SAMPLE	466921-001	Wipe	294557	08/10/22 15:49	1.0	2
099	gc07_080922099	SAMPLE	466921-003	Wipe	294557	08/10/22 16:06	1.0	2
100	gc07_080922100	SAMPLE	466921-005	Wipe	294557	08/10/22 16:24	1.0	2
101	gc07_080922101	SAMPLE	466921-007	Wipe	294557	08/10/22 16:41	1.0	2
102	gc07_080922102	CCV				08/10/22 16:59	1.0	1
108	gc07_080922108	SAMPLE	467181-001	Wipe	294760	08/10/22 18:28	1.0	2
109	gc07_080922109	SAMPLE	467181-003	Wipe	294760	08/10/22 18:45	1.0	2
110	gc07_080922110	SAMPLE	467181-005	Wipe	294760	08/10/22 19:03	1.0	2
111	gc07_080922111	SAMPLE	467181-008	Wipe	294760	08/10/22 19:21	1.0	2
112	gc07_080922112	SAMPLE	467181-010	Wipe	294760	08/10/22 19:38	1.0	2
113	gc07_080922113	SAMPLE	467181-013	Wipe	294760	08/10/22 19:56	1.0	2
114	gc07_080922114	SAMPLE	467181-015	Wipe	294760	08/10/22 20:13	1.0	2
115	gc07_080922115	SAMPLE	467184-002	Air	294707	08/10/22 20:31	1.0	2
116	gc07_080922116	SAMPLE	467184-004	Air	294707	08/10/22 20:48	1.0	2
117	gc07_080922117	IDOCBLK	QC1005910	Soil	294797	08/10/22 21:06	1.0	2
118	gc07_080922118	IDOC	QC1005911	Soil	294797	08/10/22 21:24	1.0	2
119	gc07_080922119	IDOC	QC1005912	Soil	294797	08/10/22 21:41	1.0	2
120	gc07_080922120	IDOC	QC1005913	Soil	294797	08/10/22 21:59	1.0	2
121	gc07_080922121	IDOC	QC1005914	Soil	294797	08/10/22 22:16	1.0	2
122	gc07_080922122	SAMPLE	466443-001	Miscell.	294332	08/10/22 22:34	10.0	2
123	gc07_080922123	SAMPLE	466443-007	Miscell.	294332	08/10/22 22:51	10.0	2
124	gc07_080922124	SAMPLE	466443-008	Miscell.	294332	08/10/22 23:09	10.0	2
125	gc07_080922125	SAMPLE	466714-001	Miscell.	294332	08/10/22 23:26	10.0	2
126	gc07_080922126	SAMPLE	466714-002	Miscell.	294332	08/10/22 23:44	10.0	2
127	gc07_080922127	SAMPLE	466714-003	Miscell.	294332	08/11/22 00:01	10.0	2
128	gc07_080922128	SAMPLE	466714-004	Miscell.	294332	08/11/22 00:19	10.0	2
129	gc07_080922129	BLANK	QC1005248	Miscell.	294559	08/11/22 00:36	1.0	2
130	gc07_080922130	BS	QC1005249	Miscell.	294559	08/11/22 00:54	1.0	2
131	gc07_080922131	BSD	QC1005250	Miscell.	294559	08/11/22 01:11	1.0	2
132	gc07_080922132	BLANK	QC1005248	Miscell.	294559	08/11/22 01:29	1.0	2
133	gc07_080922133	BS	QC1005249	Miscell.	294559	08/11/22 01:47	1.0	2
134	gc07_080922134	BSD	QC1005250	Miscell.	294559	08/11/22 02:04	1.0	2
135	gc07_080922135	SAMPLE	466772-001	Miscell.	294559	08/11/22 02:22	10.0	2
136	gc07_080922136	SAMPLE	466772-002	Miscell.	294559	08/11/22 02:39	10.0	2
137	gc07_080922137	SAMPLE	466772-003	Miscell.	294559	08/11/22 02:57	10.0	2
138	gc07_080922138	SAMPLE	466772-004	Miscell.	294559	08/11/22 03:14	10.0	2
139	gc07_080922139	SAMPLE	466772-005	Miscell.	294559	08/11/22 03:32	10.0	2
140	gc07_080922140	SAMPLE	466874-001	Miscell.	294559	08/11/22 03:49	10.0	2
141	gc07_080922141	SAMPLE	466874-002	Miscell.	294559	08/11/22 04:07	10.0	2
142	gc07_080922142	SAMPLE	466977-001	Miscell.	294559	08/11/22 04:24	10.0	2
143	gc07_080922143	SAMPLE	466977-002	Miscell.	294559	08/11/22 04:42	10.0	2
144	gc07_080922144	SAMPLE	466977-003	Miscell.	294559	08/11/22 04:59	10.0	2

TRN 08/11/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 21 through 144.

Standards Used:
1=S17006 2=S17010

SAMPLE PREPARATION SUMMARY

Batch # : 294557
Started By : JAP
Prep Date : 08-AUG-2022 10:44
Method : 3572M
Spike #1 ID : S17171
Analysis : 8080
Finished By : JAP
Units : dm2
Spike #3 ID : S17022

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
466919-001		Wipe	1.112821	20	1	17.97		1				PCB	
466919-003		Wipe	1	20	1	20.0		1				PCB	
466919-005		Wipe	1	20	1	20.0		1				PCB	
466919-006		Wipe	1	20	1	20.0		1				PCB	
466919-008		Wipe	1	20	1	20.0		1				PCB	
466919-011		Wipe	1	20	1	20.0		1				PCB	
466921-001		Wipe	1	20	1	20.0		1				PCB	
466921-003		Wipe	1	20	1	20.0		1				PCB	
466921-005		Wipe	1	20	1	20.0		1				PCB	
466921-007		Wipe	1	20	1	20.0		1				PCB	
QC1005240	BLANK	Wipe	1	10	1	10.0		.5				8080	
QC1005241	BS	Wipe	1	10	1	10.0		.5		.5		8080	
QC1005242	BSD	Wipe	1	10	1	10.0		.5		.5		8080	

TRN 08/10/22 : BS/D verify the batch

Analyst: TRN Date: 08/10/22 Reviewer: SLL Date: 08/11/22

8081/8082 Prep Log

Date/Time: 8/8/22 10:44 Initials: JAP

3572M 1-5-23 MAG

608 QC Batch#:

Matrix: Wipe Prep Method: ~~3580~~ Balance ID: N/A

8081 QC Batch #:

8082 QC Batch #: 294557

Sample ID	Cont. ID	Sample Initial Amount Circle one: mL g	pH is 5-9?	Extraction Equipment ID (Sox, Sonic., Shaker)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Witness ID	Comment
Blank		1 s		SH 3	N/A	10.0			500µL surr
LCS$_2$		↓		↓	↓	↓			↓
LCSD$_2$									
466919-001						20.0			
-003						↓			
-005									
-008									
-011									
466921-001									
-003									
-005									
-007		↓		↓		↓			

Methylene Chloride Lot:

Exchange Solvent (Hexane) ID:

Acetone-Hexane Mix ID:

Sodium Sulfate Lot:

Baked Sand Lot:

Surrogate ID: S17171 Volume: 1000 µL

Pest LCS Spike ID: Volume: µL

PCB LCS Spike ID: S17022 Volume: 500 µL

Pest MS/MSD Spike ID: Volume: µL

PCB MS/MSD Spike ID: Volume: µL

8081/8082 Prep Log

Date/Time: 8/8/22 10:44 Initials: JAP

3572M 1-5-23 MAG

608 QC Batch#:

Matrix: Wipe Prep Method: ~~3580~~ Balance ID: N/A

8081 QC Batch #:

8082 QC Batch #: 294557

Sample ID	Cont. ID	Sample Initial Amount Circle one: mL g	pH is 5-9?	Extraction Equipment ID (Sox, Sonic., Shaker)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Witness ID	Comment
Blank		1 sqin		SH 3	N/A	10.0			500ul surr
LCS$_2$						↓			↓
LCSD$_2$									
466919-001						20.0			1ml surr
-003									
-005									
-008									
-011									
466921-001									
-003									
-005									
-007									

Methylene Chloride Lot:

Exchange Solvent (Hexane) ID:

Acetone-Hexane Mix ID:

Sodium Sulfate Lot:

Baked Sand Lot:

Surrogate ID: S17171 Volume: 1000 µL

Pest LCS Spike ID: Volume: µL

PCB LCS Spike ID: S17022 Volume: 500 µL

Pest MS/MSD Spike ID: Volume: µL

PCB MS/MSD Spike ID: Volume: µL

REPORTING SUMMARY FOR 466919 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
466919-001	Aroclor-1016	SVOA-GC07	B	08/10/22 12:18
466919-001	Aroclor-1221	SVOA-GC07	B	08/10/22 12:18
466919-001	Aroclor-1232	SVOA-GC07	B	08/10/22 12:18
466919-001	Aroclor-1242	SVOA-GC07	B	08/10/22 12:18
466919-001	Aroclor-1248	SVOA-GC07	B	08/10/22 12:18
466919-001	Aroclor-1254	SVOA-GC07	B	08/10/22 12:18
466919-001	Aroclor-1260	SVOA-GC07	B	08/10/22 12:18
466919-001	Aroclor-1262	SVOA-GC07	B	08/10/22 12:18
466919-001	Aroclor-1268	SVOA-GC07	B	08/10/22 12:18
466919-001	TCMX (PCB)	SVOA-GC07	B	08/10/22 12:18
466919-001	Decachlorobiphenyl (PCB)	SVOA-GC07	B	08/10/22 12:18
466919-003	Aroclor-1016	SVOA-GC07	B	08/10/22 14:03
466919-003	Aroclor-1221	SVOA-GC07	B	08/10/22 14:03
466919-003	Aroclor-1232	SVOA-GC07	B	08/10/22 14:03
466919-003	Aroclor-1242	SVOA-GC07	B	08/10/22 14:03
466919-003	Aroclor-1248	SVOA-GC07	B	08/10/22 14:03
466919-003	Aroclor-1254	SVOA-GC07	B	08/10/22 14:03
466919-003	Aroclor-1260	SVOA-GC07	B	08/10/22 14:03
466919-003	Aroclor-1262	SVOA-GC07	B	08/10/22 14:03
466919-003	Aroclor-1268	SVOA-GC07	B	08/10/22 14:03
466919-003	TCMX (PCB)	SVOA-GC07	B	08/10/22 14:03
466919-003	Decachlorobiphenyl (PCB)	SVOA-GC07	B	08/10/22 14:03
466919-005	Aroclor-1016	SVOA-GC07	B	08/10/22 14:21
466919-005	Aroclor-1221	SVOA-GC07	B	08/10/22 14:21
466919-005	Aroclor-1232	SVOA-GC07	B	08/10/22 14:21
466919-005	Aroclor-1242	SVOA-GC07	B	08/10/22 14:21
466919-005	Aroclor-1248	SVOA-GC07	B	08/10/22 14:21
466919-005	Aroclor-1254	SVOA-GC07	B	08/10/22 14:21
466919-005	Aroclor-1260	SVOA-GC07	B	08/10/22 14:21
466919-005	Aroclor-1262	SVOA-GC07	B	08/10/22 14:21
466919-005	Aroclor-1268	SVOA-GC07	B	08/10/22 14:21
466919-005	TCMX (PCB)	SVOA-GC07	B	08/10/22 14:21
466919-005	Decachlorobiphenyl (PCB)	SVOA-GC07	B	08/10/22 14:21
466919-006	Aroclor-1016	SVOA-GC07	B	08/10/22 14:38
466919-006	Aroclor-1221	SVOA-GC07	B	08/10/22 14:38
466919-006	Aroclor-1232	SVOA-GC07	B	08/10/22 14:38
466919-006	Aroclor-1242	SVOA-GC07	B	08/10/22 14:38
466919-006	Aroclor-1248	SVOA-GC07	B	08/10/22 14:38
466919-006	Aroclor-1254	SVOA-GC07	B	08/10/22 14:38
466919-006	Aroclor-1260	SVOA-GC07	B	08/10/22 14:38
466919-006	Aroclor-1262	SVOA-GC07	B	08/10/22 14:38
466919-006	Aroclor-1268	SVOA-GC07	B	08/10/22 14:38
466919-006	TCMX (PCB)	SVOA-GC07	B	08/10/22 14:38
466919-006	Decachlorobiphenyl (PCB)	SVOA-GC07	B	08/10/22 14:38
466919-008	Aroclor-1016	SVOA-GC07	B	08/10/22 15:13
466919-008	Aroclor-1221	SVOA-GC07	B	08/10/22 15:13
466919-008	Aroclor-1232	SVOA-GC07	B	08/10/22 15:13
466919-008	Aroclor-1242	SVOA-GC07	B	08/10/22 15:13
466919-008	Aroclor-1248	SVOA-GC07	B	08/10/22 15:13
466919-008	Aroclor-1254	SVOA-GC07	B	08/10/22 15:13

REPORTING SUMMARY FOR 466919 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
466919-008	Aroclor-1260	SVOA-GC07	B	08/10/22 15:13
466919-008	Aroclor-1262	SVOA-GC07	B	08/10/22 15:13
466919-008	Aroclor-1268	SVOA-GC07	B	08/10/22 15:13
466919-008	TCMX (PCB)	SVOA-GC07	B	08/10/22 15:13
466919-008	Decachlorobiphenyl (PCB)	SVOA-GC07	B	08/10/22 15:13
466919-011	Aroclor-1016	SVOA-GC07	B	08/10/22 15:31
466919-011	Aroclor-1221	SVOA-GC07	B	08/10/22 15:31
466919-011	Aroclor-1232	SVOA-GC07	B	08/10/22 15:31
466919-011	Aroclor-1242	SVOA-GC07	B	08/10/22 15:31
466919-011	Aroclor-1248	SVOA-GC07	B	08/10/22 15:31
466919-011	Aroclor-1254	SVOA-GC07	B	08/10/22 15:31
466919-011	Aroclor-1260	SVOA-GC07	B	08/10/22 15:31
466919-011	Aroclor-1262	SVOA-GC07	B	08/10/22 15:31
466919-011	Aroclor-1268	SVOA-GC07	B	08/10/22 15:31
466919-011	TCMX (PCB)	SVOA-GC07	B	08/10/22 15:31
466919-011	Decachlorobiphenyl (PCB)	SVOA-GC07	B	08/10/22 15:31
QC1005240	Aroclor-1016	SVOA-GC07	B	08/10/22 11:25
QC1005240	Aroclor-1221	SVOA-GC07	B	08/10/22 11:25
QC1005240	Aroclor-1232	SVOA-GC07	B	08/10/22 11:25
QC1005240	Aroclor-1242	SVOA-GC07	B	08/10/22 11:25
QC1005240	Aroclor-1248	SVOA-GC07	B	08/10/22 11:25
QC1005240	Aroclor-1254	SVOA-GC07	B	08/10/22 11:25
QC1005240	Aroclor-1260	SVOA-GC07	B	08/10/22 11:25
QC1005240	Aroclor-1262	SVOA-GC07	B	08/10/22 11:25
QC1005240	Aroclor-1268	SVOA-GC07	B	08/10/22 11:25
QC1005240	TCMX (PCB)	SVOA-GC07	B	08/10/22 11:25
QC1005240	Decachlorobiphenyl (PCB)	SVOA-GC07	B	08/10/22 11:25
QC1005241	Aroclor-1016	SVOA-GC07	B	08/10/22 11:42
QC1005241	Aroclor-1260	SVOA-GC07	B	08/10/22 11:42
QC1005241	TCMX (PCB)	SVOA-GC07	B	08/10/22 11:42
QC1005241	Decachlorobiphenyl (PCB)	SVOA-GC07	B	08/10/22 11:42
QC1005242	Aroclor-1016	SVOA-GC07	B	08/10/22 12:00
QC1005242	Aroclor-1260	SVOA-GC07	B	08/10/22 12:00
QC1005242	TCMX (PCB)	SVOA-GC07	B	08/10/22 12:00
QC1005242	Decachlorobiphenyl (PCB)	SVOA-GC07	B	08/10/22 12:00

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	466919-001	Client ID:	DOOR-N-0.5GW-DG-7 TO 20-220805-P-LA
Seqnum:	462319236086.3	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_080922086	Batch:	294557	Time:	10-AUG-2022 12:18
Cal:	462317638001	Caldate:	08-AUG-2022		
IDF:	1.0			Units:	ug/dm2

- 1.11 dm2 ⇨ 20.0 ml = 17.97 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	14.97	ug/L	ND	3.2	169%	0.90		u
Aroclor-1016 Peak # 1	B	2.898	ug/L	0.05	0.13	88%			
Aroclor-1016 Peak # 2	B	0.6989	ug/L	0.01	0.05	125%			
Aroclor-1016 Peak # 3	B	58.08	ug/L	1.04	2.22	72%			
Aroclor-1016 Peak # 4	B	9.334	ug/L	0.17	10.88	194%			
Aroclor-1016 Peak # 5	B	3.854	ug/L	0.07	2.58	190%			
Aroclor-1221	B			ND			0.90		u
Aroclor-1232	B			ND			0.90		u
Aroclor-1242	B			ND			0.90		u
Aroclor-1248	B			ND			0.90		u
Aroclor-1254	B			ND			0.90		u
Aroclor-1260	B	8.978	ug/L	ND	0.87	138%	0.90		u
Aroclor-1260 Peak # 1	B	8.335	ug/L	0.15	0.82	138%			
Aroclor-1260 Peak # 2	B	9.773	ug/L	0.18	0.06	93%			
Aroclor-1260 Peak # 3	B	5.485	ug/L	0.10	0.10	3%			
Aroclor-1260 Peak # 4	B	5.334	ug/L	0.10	0.77	156%			
Aroclor-1260 Peak # 5	B	15.96	ug/L	0.29	2.61	160%			
Aroclor-1262	B			ND			0.90		u
Aroclor-1268	B			ND			0.90		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	41.34	pg/uL	0.8986	0.7429	83	52-186	c- u
Decachlorobiphenyl (PCB)	B	36.71	pg/uL	0.8986	0.6598	73	50-150	c- u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_080922063)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	2659137	1507654	-43.30
1-bromo-2-nitrobenzene (PCB)	A	7252655	3767406	-48.05

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

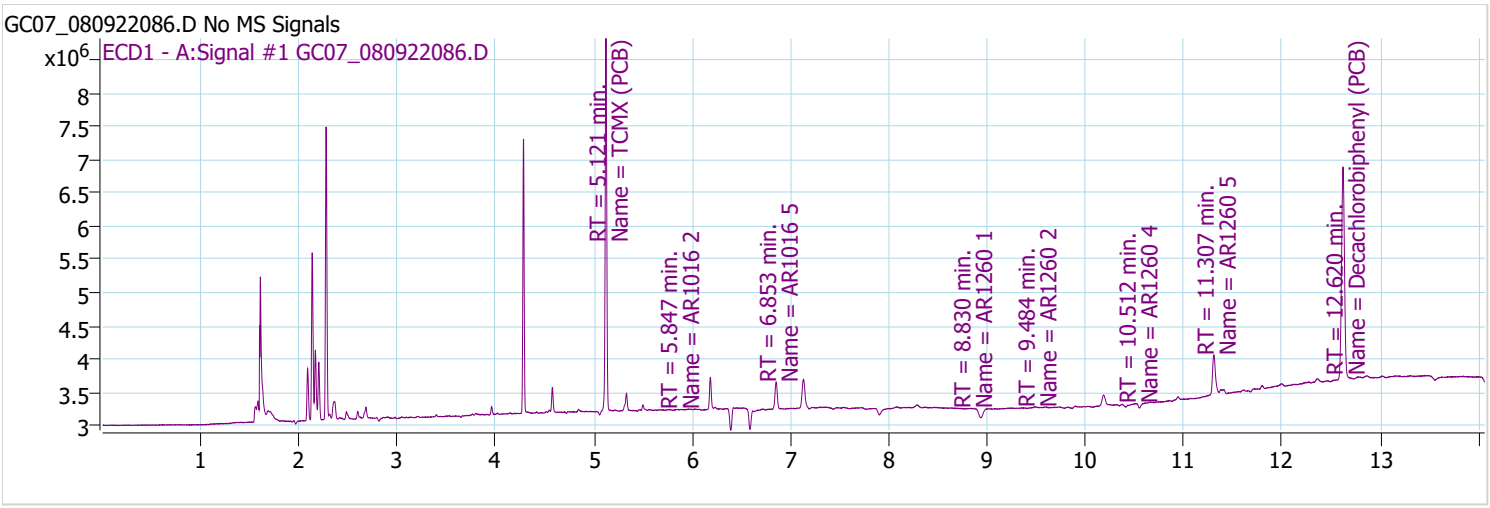
ISTD (CCV gc07_080922063)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.45	4.45	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.28	4.28	0.00

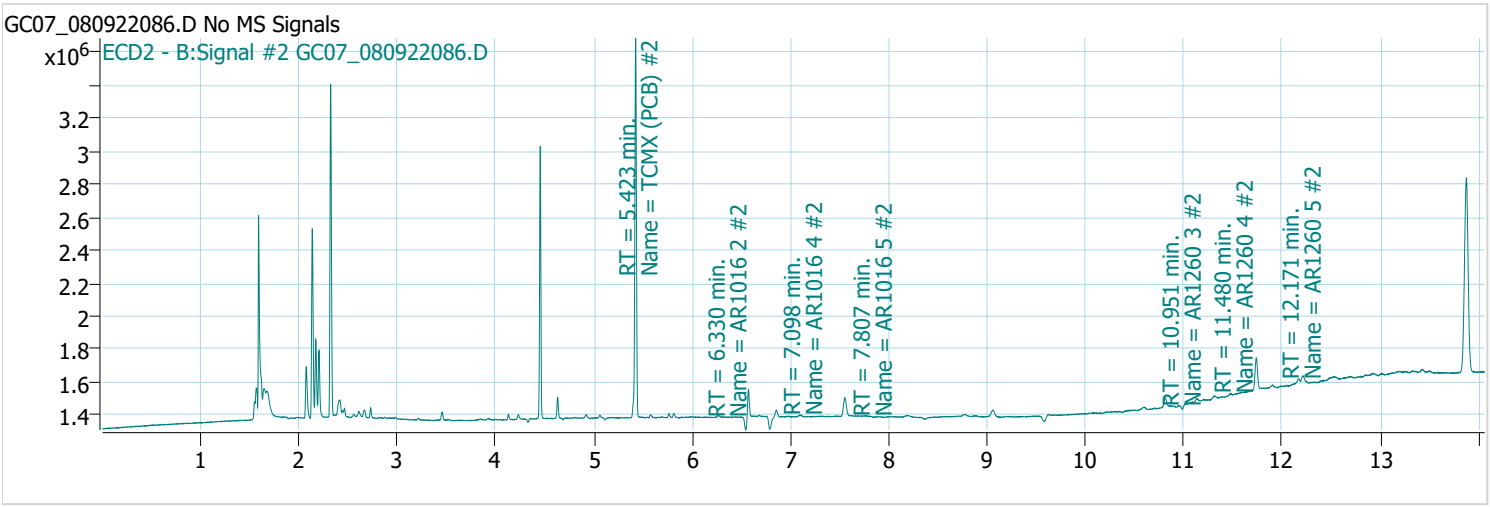
Analyst: TRN 08/10/22 *

Reviewer: SLL 08/12/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_080922086.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	8/10/2022 12:18:01 PM
Sample Name	466919-001, 294557, 1	Instrument	SVOA-GC07
Vial	40	Multiplier	1.00
DA Method File	PCB_608_080822_GC07_1.m	Comment	WIPE/1DM2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	080922PCB.batch.bin	Last Calib Update	8/9/2022 3:43:56 PM
Ref Library			



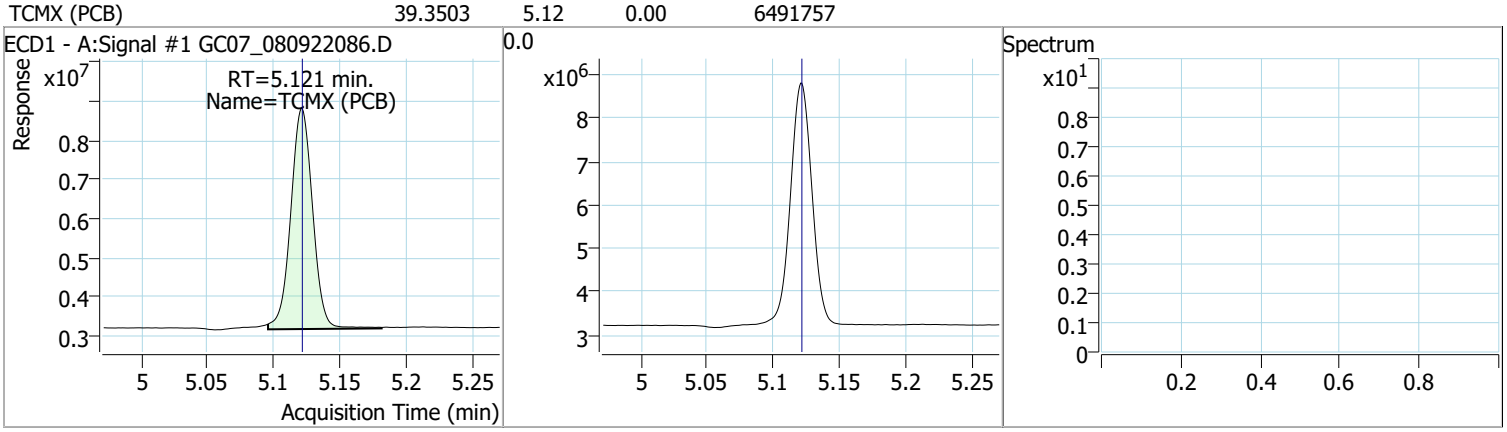


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.283	0.0	3767406.188	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.453	0.0	1507654.384	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.121	0.0	6491756.866	39.3503	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 196.75%		*	
S TCMX (PCB) #2	5.423	0.0	2631654.543	41.3102	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 206.55%		*	
S Decachlorobiphenyl (PCB)	12.620	0.0	6744954.194	49.6731	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 248.37%		*	
S Decachlorobiphenyl (PCB) #2	13.875	0.0	3104142.338	36.6918	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 183.46%		*	
Target Compounds							QValue

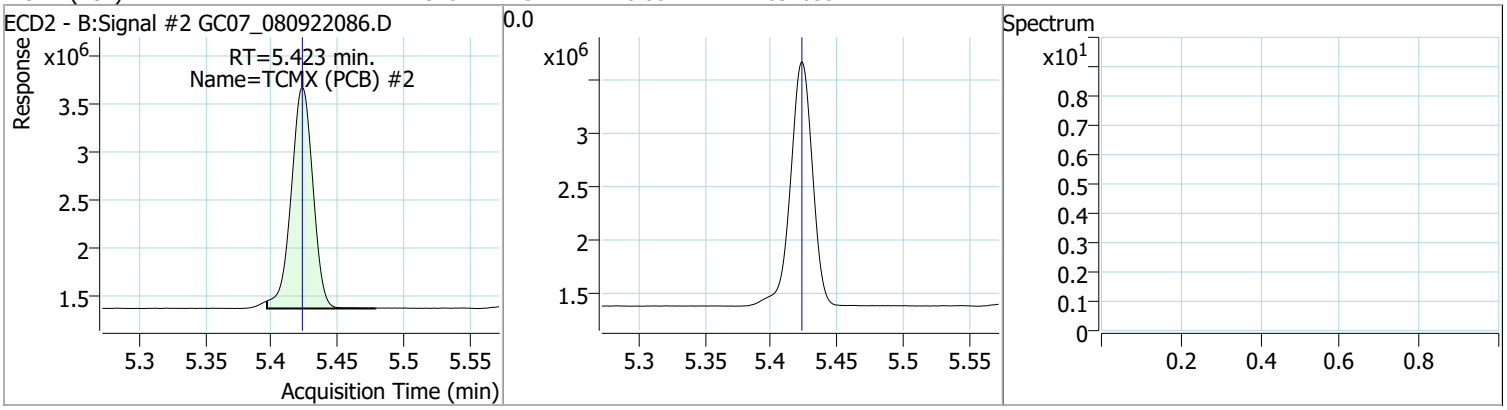
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.461	0.0	25069.232	7.4250	ng/ml	100
T AR1016 2	5.847	0.0	20538.195	3.0426	ng/ml	100
T AR1016 1 #2	5.902	0.0	3910.666	2.8959	ng/ml	100
T AR1016 3	6.359	0.0	1045833.089	134.6654	ng/ml	100
T AR1016 2 #2	6.330	0.0	2023.215	0.6985	ng/ml	100
T AR1016 4	6.420	0.0	3269696.900	604.9418	ng/ml	100
T AR1016 3 #2	6.965	0.0	204313.100	58.0481	ng/ml	100
T AR1016 5	6.853	0.0	678963.355	143.4738	ng/ml	100
T AR1016 4 #2	7.098	0.0	23783.428	9.3291	ng/ml	100
T AR1016 5 #2	7.807	0.0	7615.172	3.8514	ng/ml	100
T AR1260 1	8.830	0.0	430312.778	45.7769	ng/ml	100
T AR1260 2	9.484	0.0	50388.401	3.5686	ng/ml	100
T AR1260 3	10.030	0.0	82032.050	5.3134	ng/ml	100
T AR1260 1 #2	10.351	0.0	35369.499	8.3306	ng/ml	100
T AR1260 4	10.512	0.0	301605.613	43.0604	ng/ml	100
T AR1260 2 #2	10.595	0.0	47223.457	9.7680	ng/ml	100
T AR1260 3 #2	10.951	0.0	35493.849	5.4819	ng/ml	100
T AR1260 5	11.307	0.0	1338911.363	145.1851	ng/ml	100
T AR1260 4 #2	11.480	0.0	16932.667	5.3310	ng/ml	100
T AR1260 5 #2	12.171	0.0	81814.616	15.9540	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

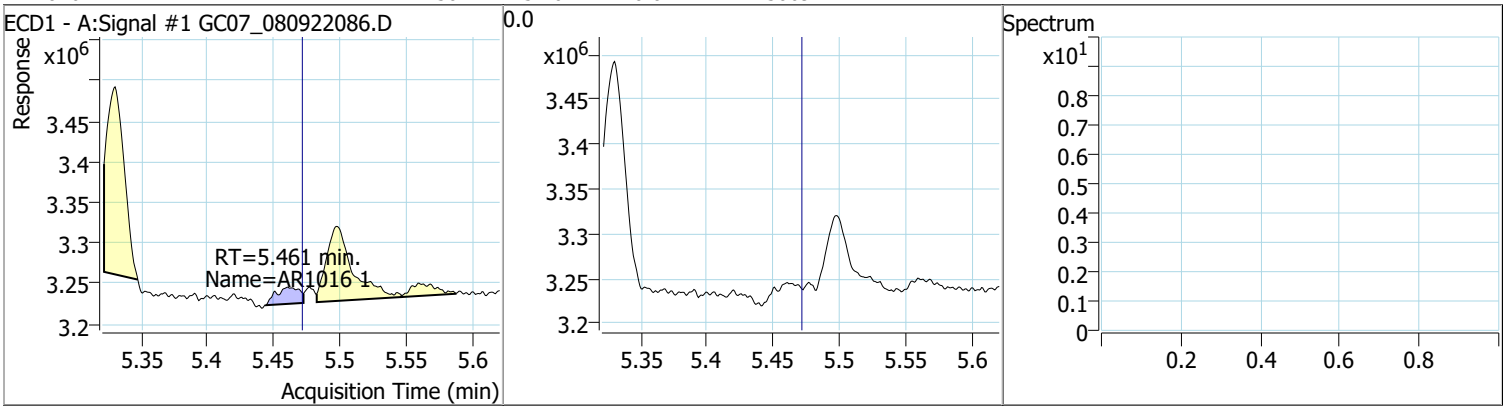
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.3503	5.12	0.00	6491757				



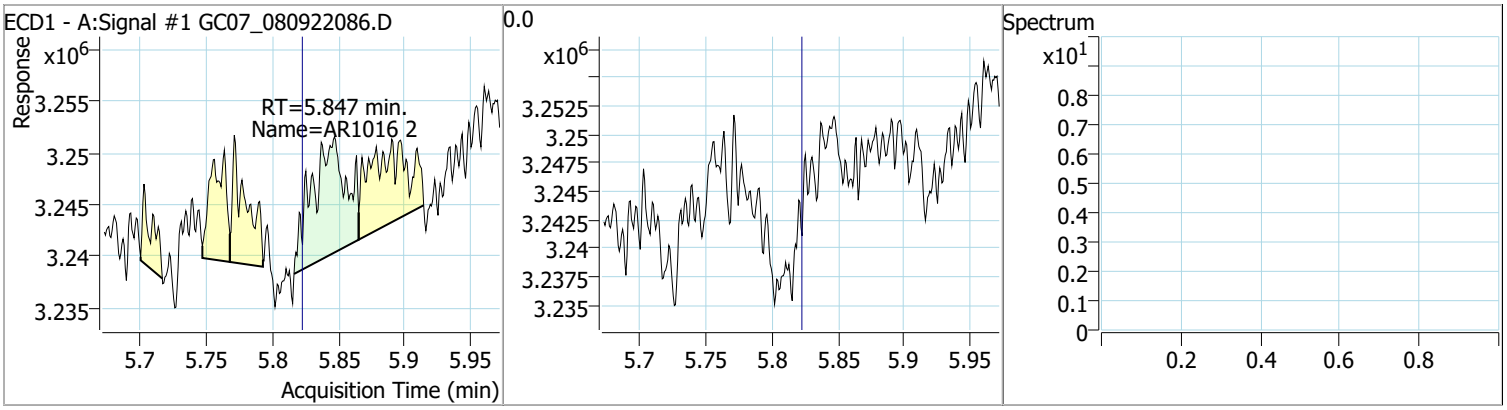
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	41.3102	5.42	0.00	2631655				



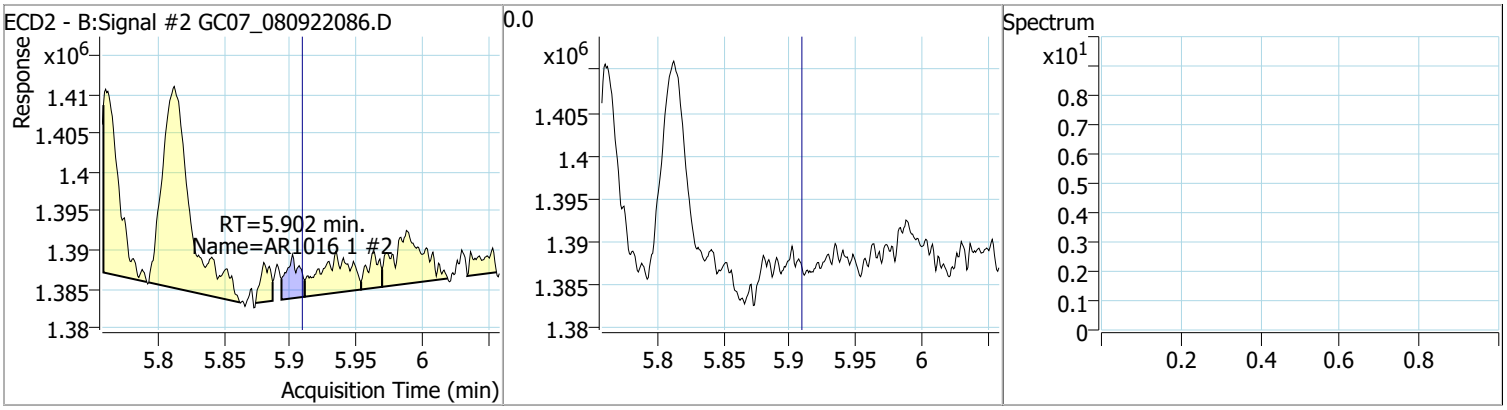
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	7.4250	5.46	-0.01	25069				



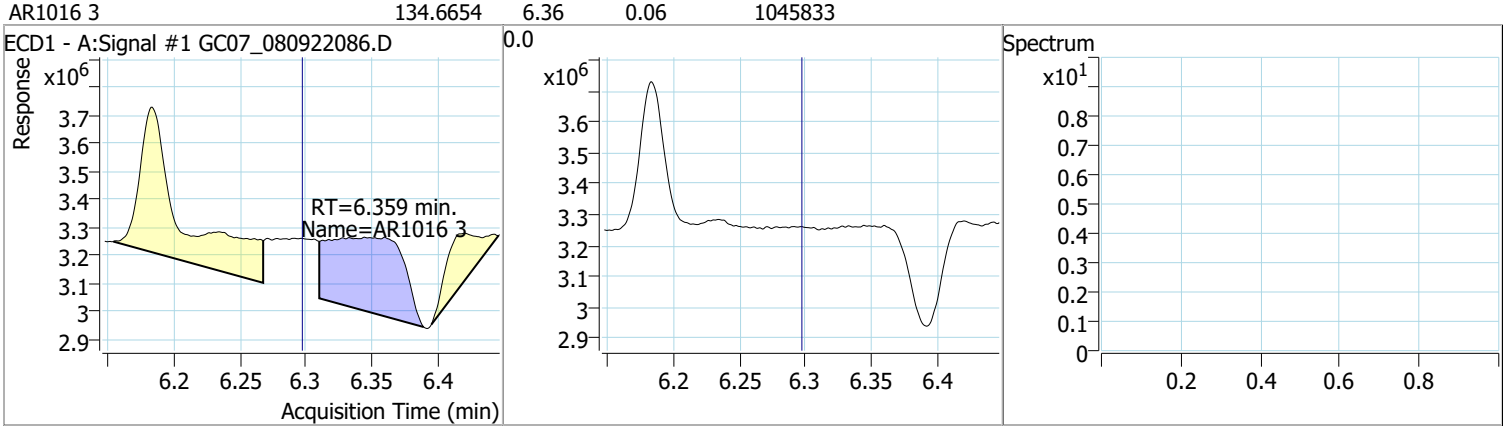
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	3.0426	5.85	0.02	20538				



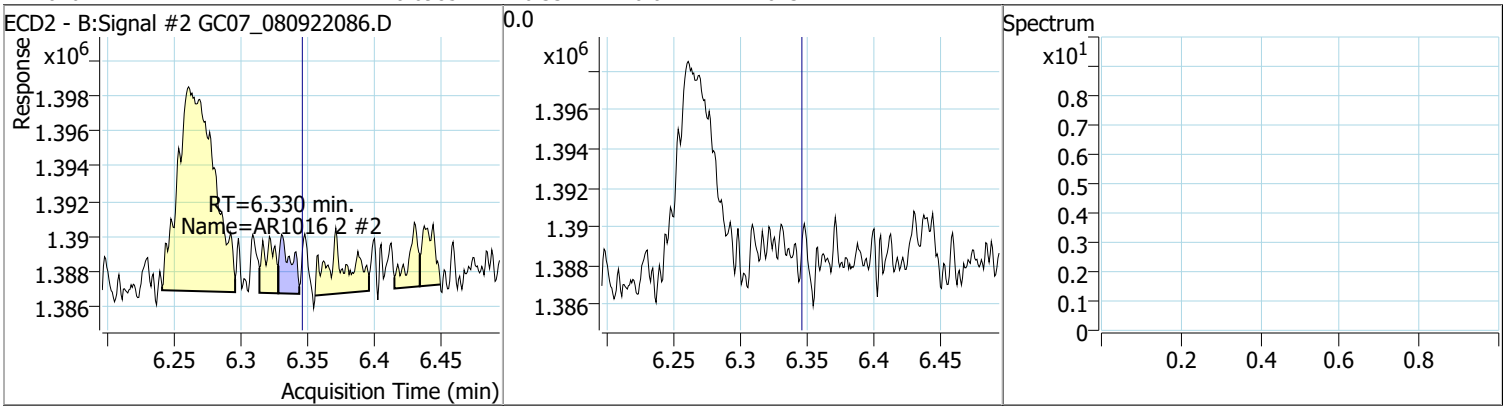
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	2.8959	5.90	-0.01	3911				



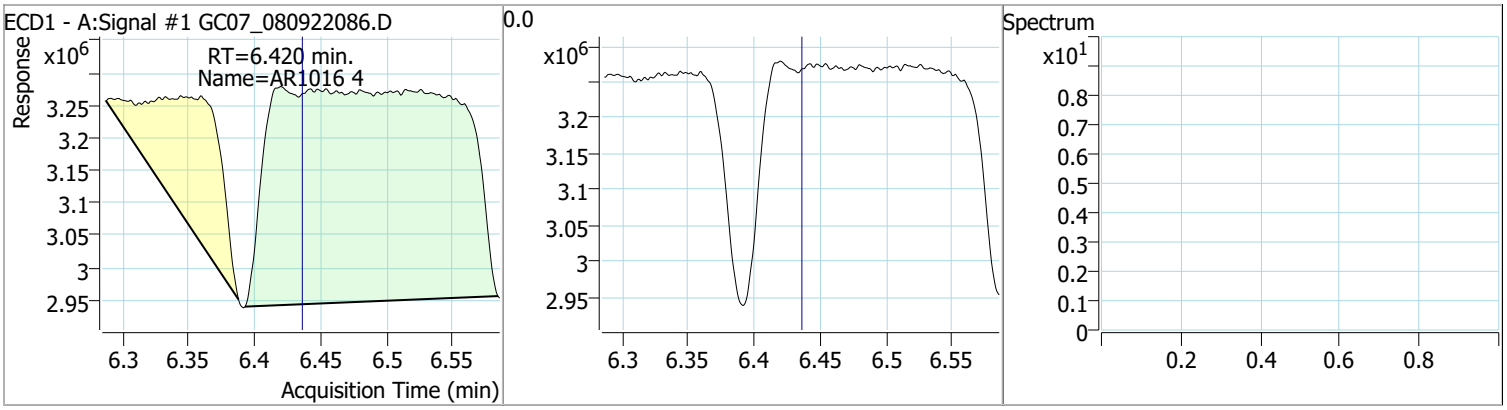
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	134.6654	6.36	0.06	1045833				



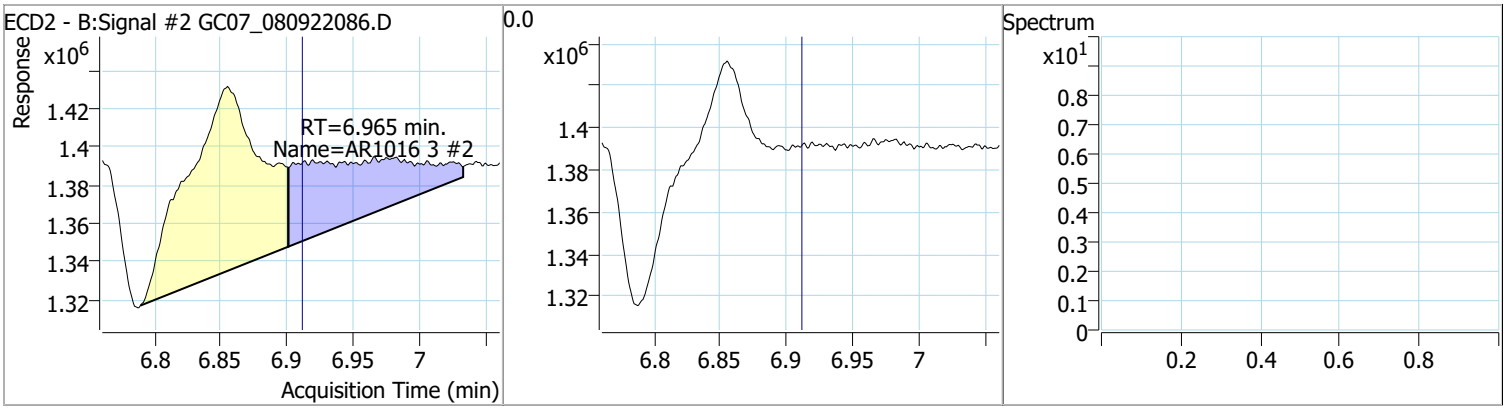
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	0.6985	6.33	-0.02	2023				



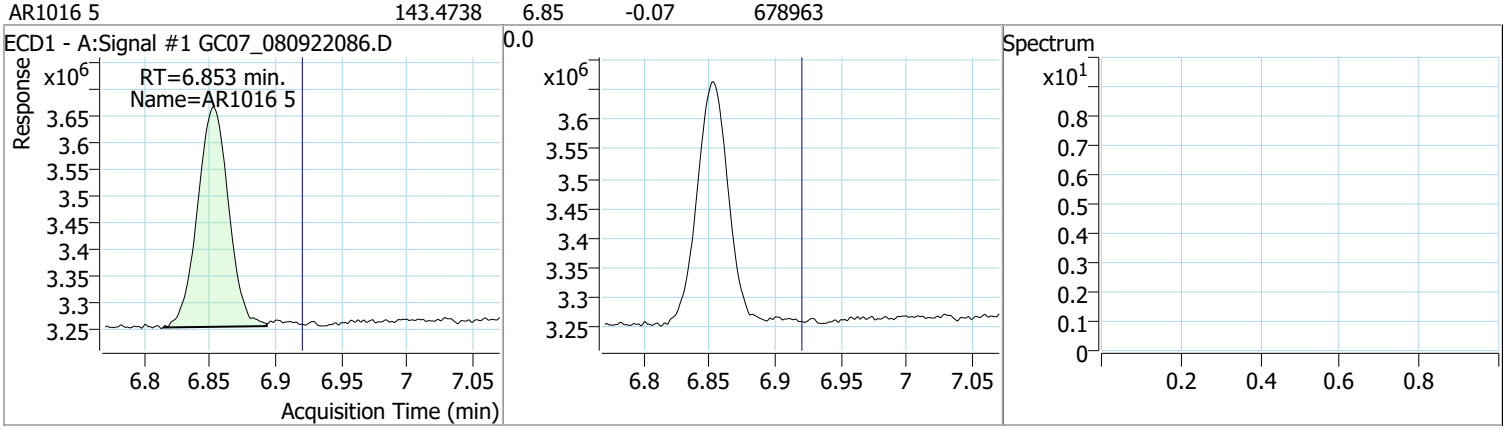
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	604.9418	6.42	-0.02	3269697				



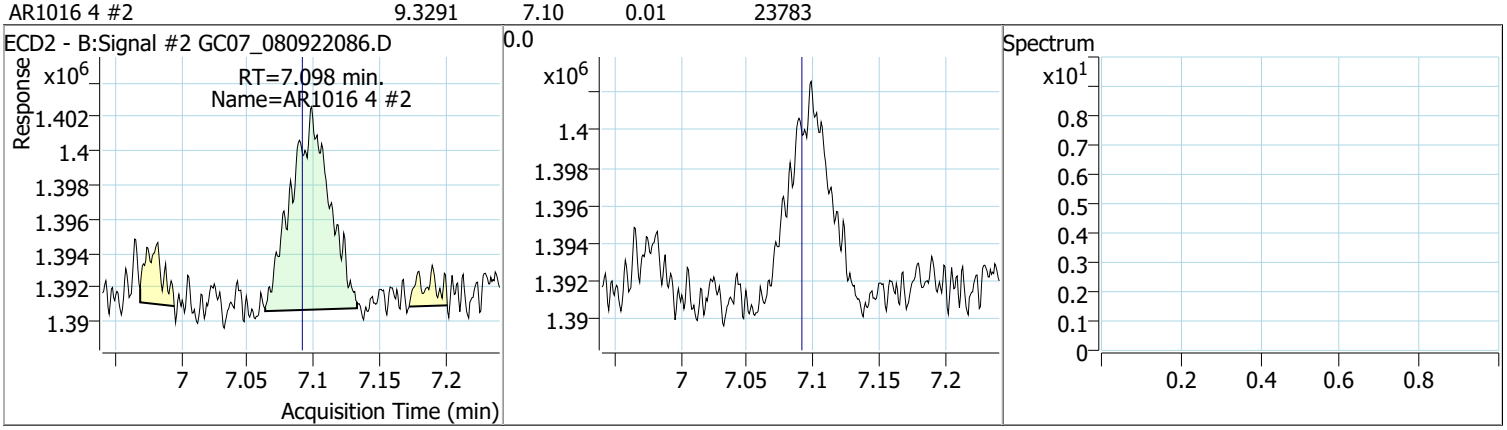
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	58.0481	6.97	0.05	204313				



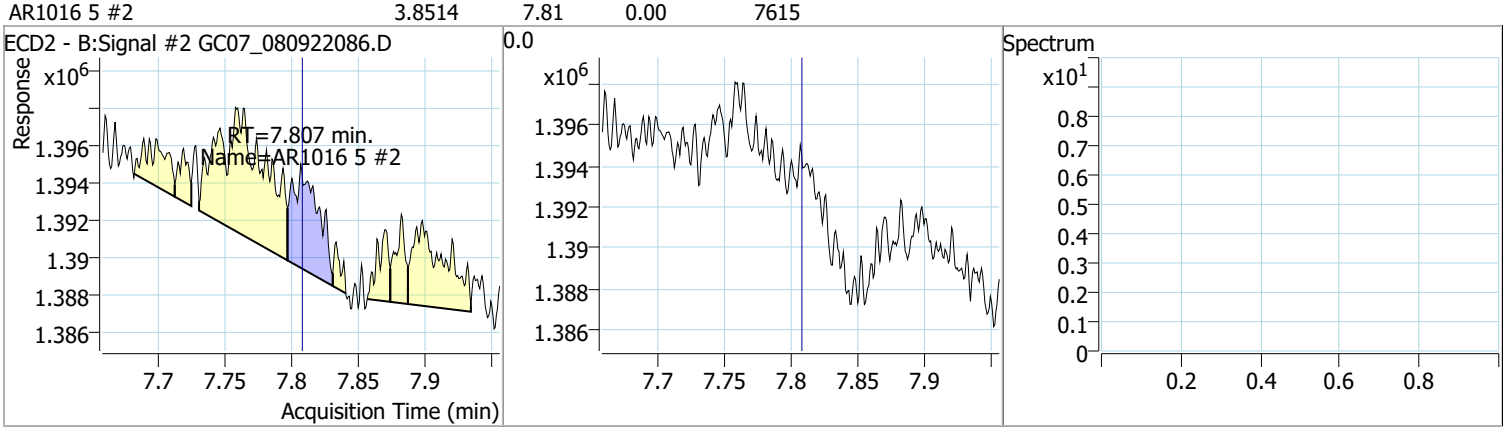
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	143.4738	6.85	-0.07	678963				



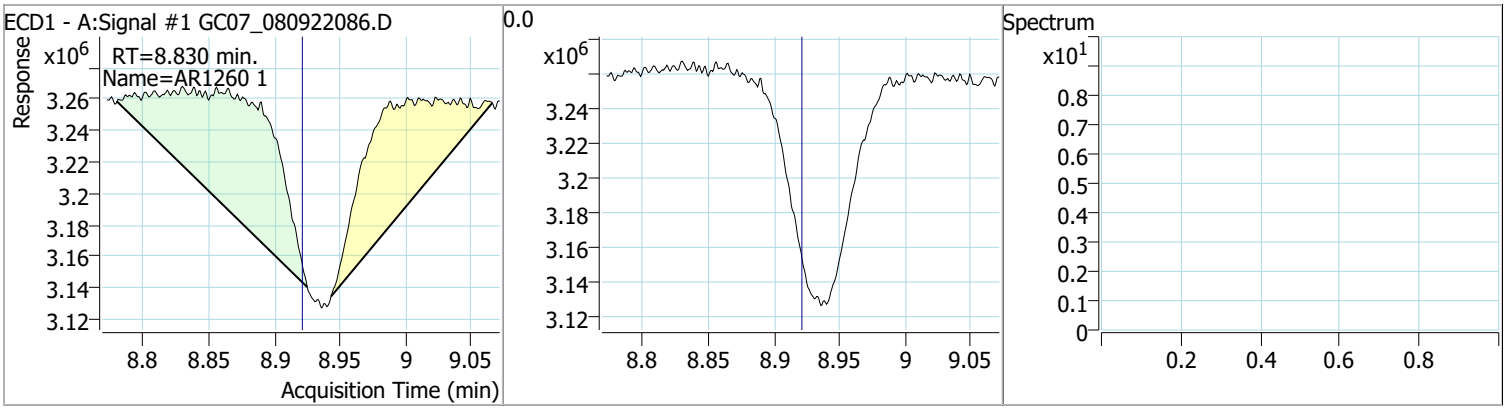
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	9.3291	7.10	0.01	23783				



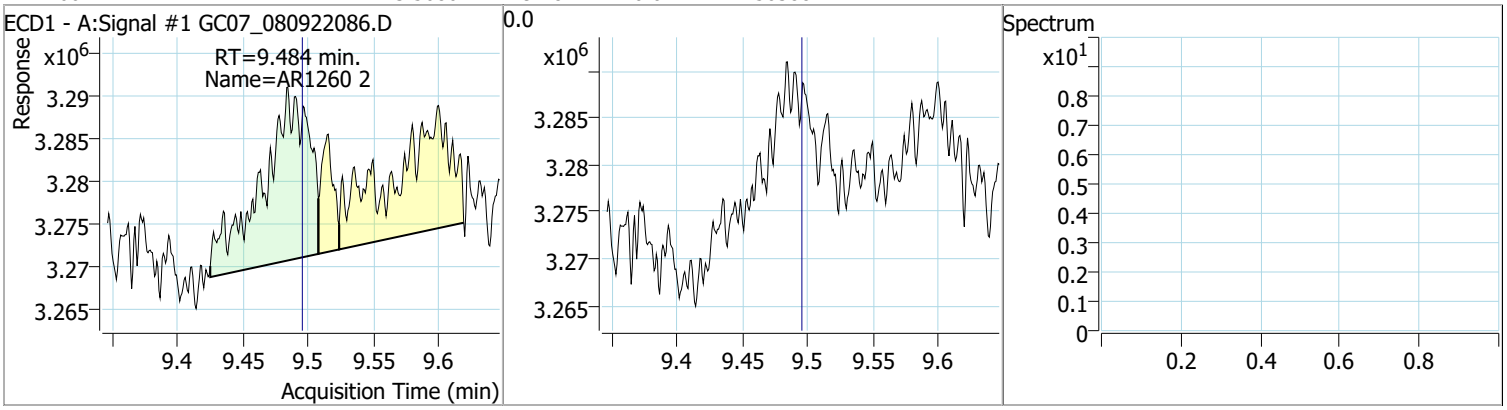
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	3.8514	7.81	0.00	7615				



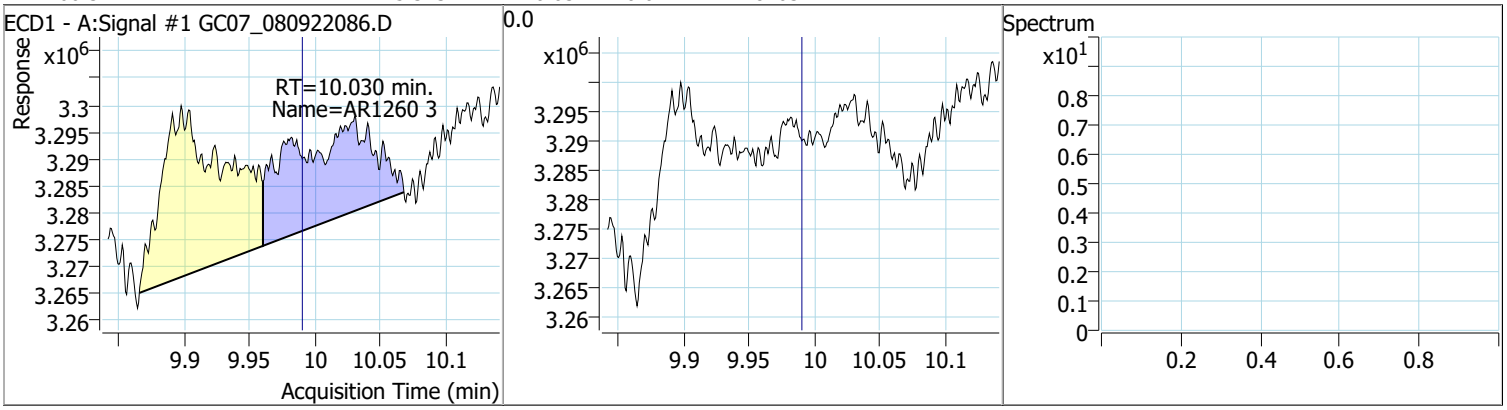
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	45.7769	8.83	-0.09	430313				



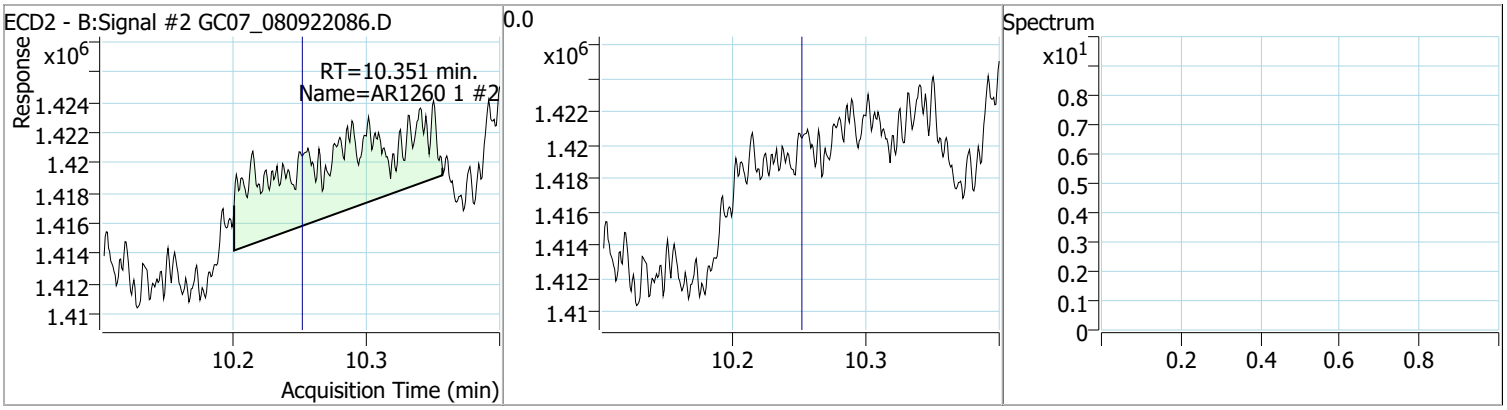
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	3.5686	9.48	-0.01	50388				



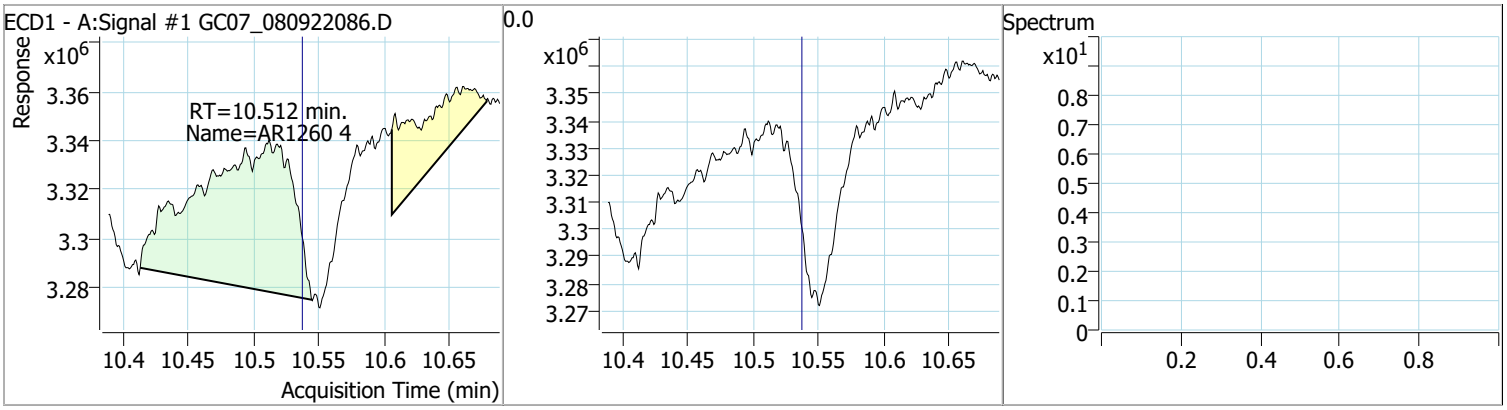
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	5.3134	10.03	0.04	82032				



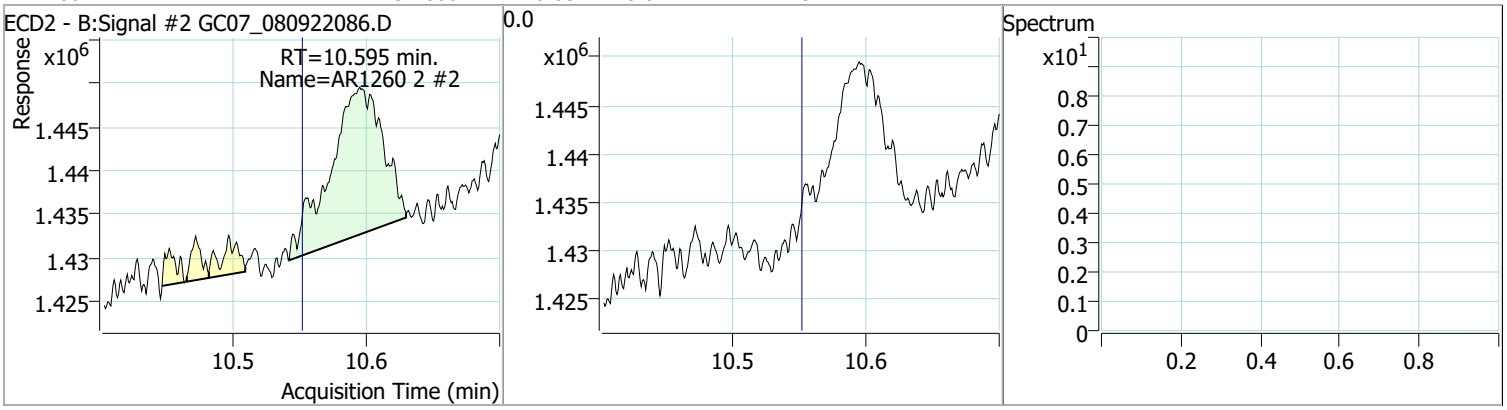
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	8.3306	10.35	0.10	35369				



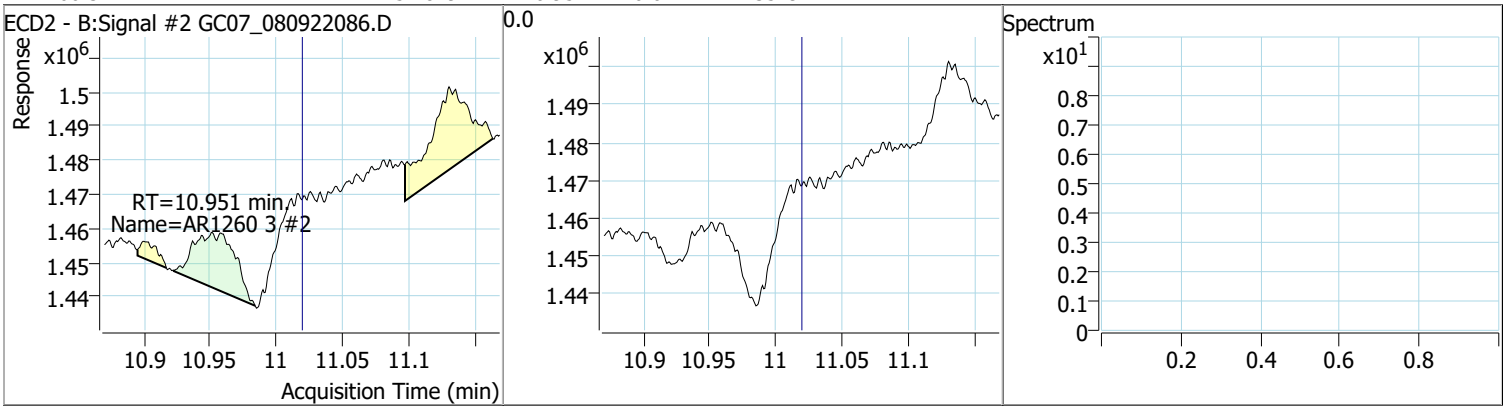
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	43.0604	10.51	-0.03	301606				



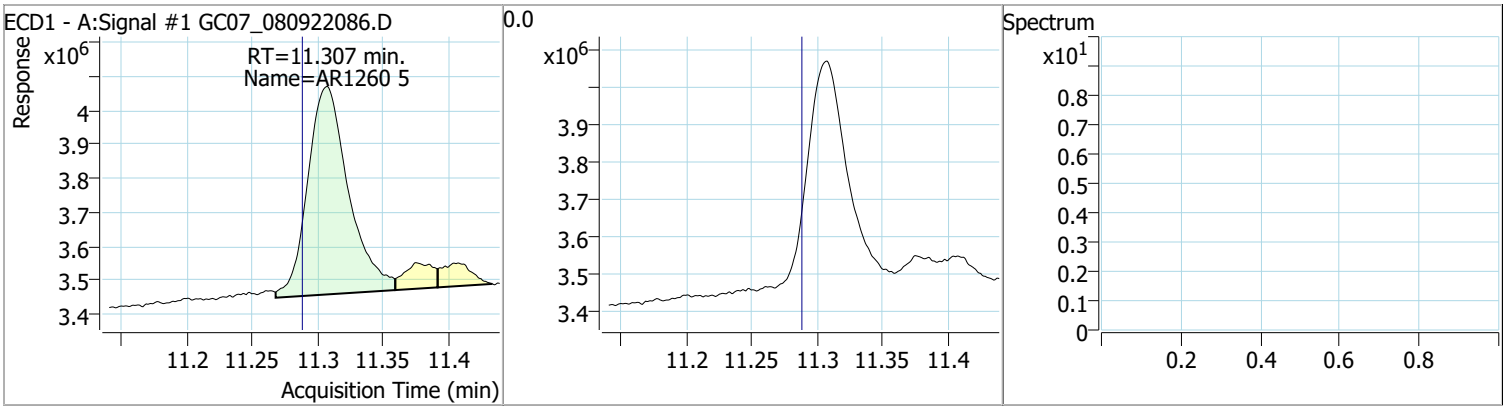
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	9.7680	10.60	0.04	47223				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	5.4819	10.95	-0.07	35494				

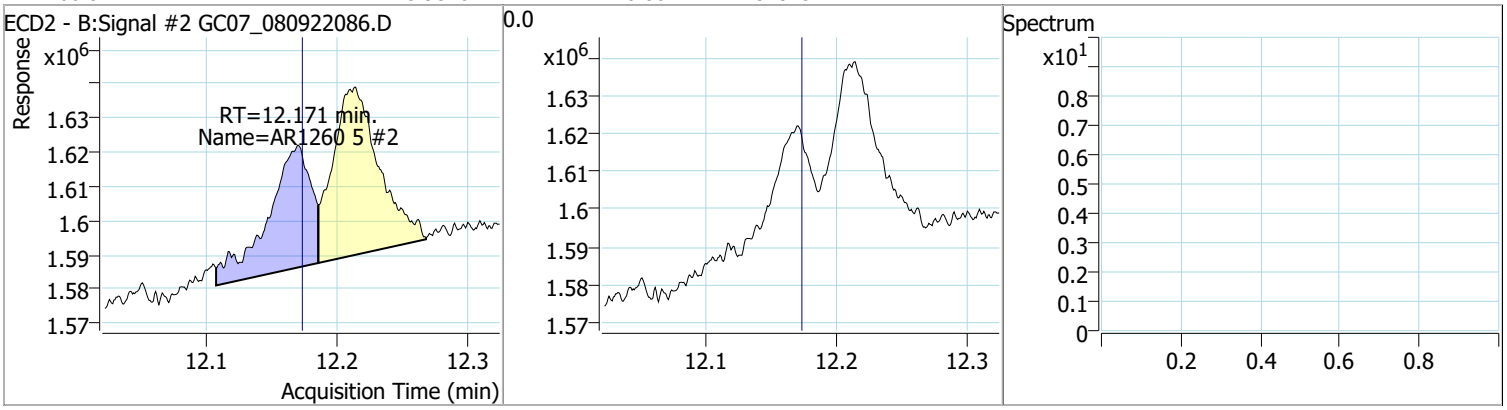


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	145.1851	11.31	0.02	1338911				

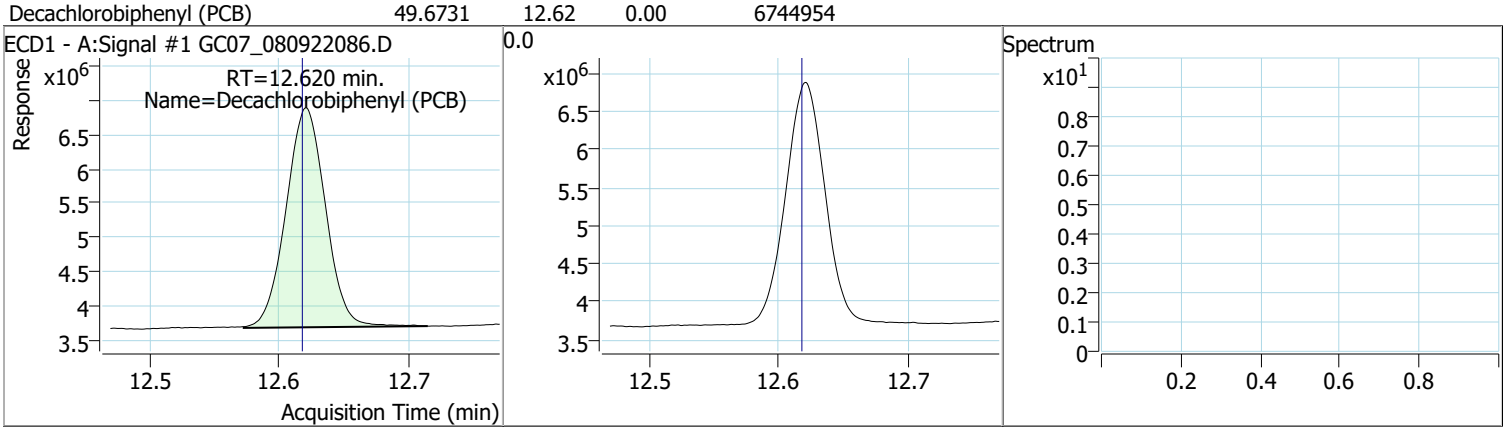


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	5.3310	11.48	0.01	16933				

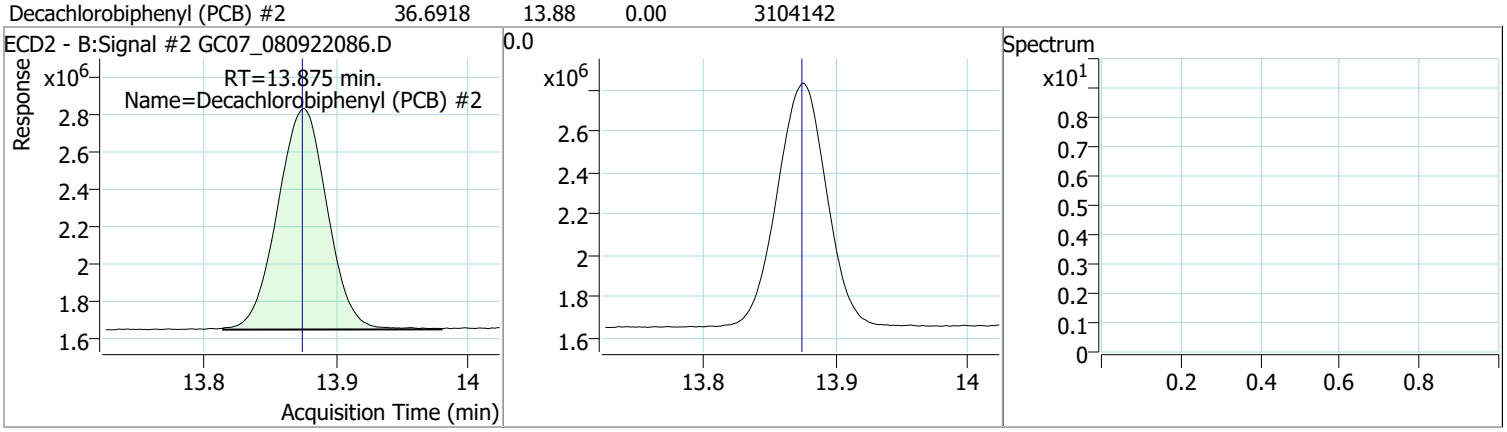
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	15.9540	12.17	0.00	81815				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	49.6731	12.62	0.00	6744954				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	36.6918	13.88	0.00	3104142				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	466919-003	Client ID:	DOOR-N-0.8GW-EXT-5 TO 6-220805-P-CB
Seqnum:	462319236092	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_080922092	Batch:	294557	Time:	10-AUG-2022 14:03
Cal:	462317638001	Caldate:	08-AUG-2022		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	43.46	ug/L	ND	0.75	15%	1.0		u
Aroclor-1016 Peak # 1	B	1.835	ug/L	0.04	0.11	103%			
Aroclor-1016 Peak # 2	B	1.036	ug/L	0.02	0.09	125%			
Aroclor-1016 Peak # 3	B	199.1	ug/L	3.98	ND	359%			
Aroclor-1016 Peak # 4	B	14.77	ug/L	0.30	0.16	57%			
Aroclor-1016 Peak # 5	B	0.5226	ug/L	0.01	4.51	199%			
Aroclor-1221	B			ND			1.0		u
Aroclor-1232	B			ND			1.0		u
Aroclor-1242	B			ND			1.0		u
Aroclor-1248	B			ND			1.0		u
Aroclor-1254	B			ND			1.0		u
Aroclor-1260	B	8.654	ug/L	ND	0.83	131%	1.0		u
Aroclor-1260 Peak # 1	B	7.892	ug/L	0.16	1.00	145%			
Aroclor-1260 Peak # 2	B	1.260	ug/L	0.03	0.07	96%			
Aroclor-1260 Peak # 3	B	7.371	ug/L	0.15	0.21	36%			
Aroclor-1260 Peak # 4	B	13.99	ug/L	0.28	1.35	131%			
Aroclor-1260 Peak # 5	B	12.76	ug/L	0.26	1.50	142%			
Aroclor-1262	B			ND			1.0		u
Aroclor-1268	B			ND			1.0		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	45.26	pg/uL	1.000	0.9052	91	52-186	c- u
Decachlorobiphenyl (PCB)	B	41.89	pg/uL	1.000	0.8378	84	50-150	c- u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_080922063)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	2659137	1368883	-48.52
1-bromo-2-nitrobenzene (PCB)	A	7252655	3257406	**-55.09 ***

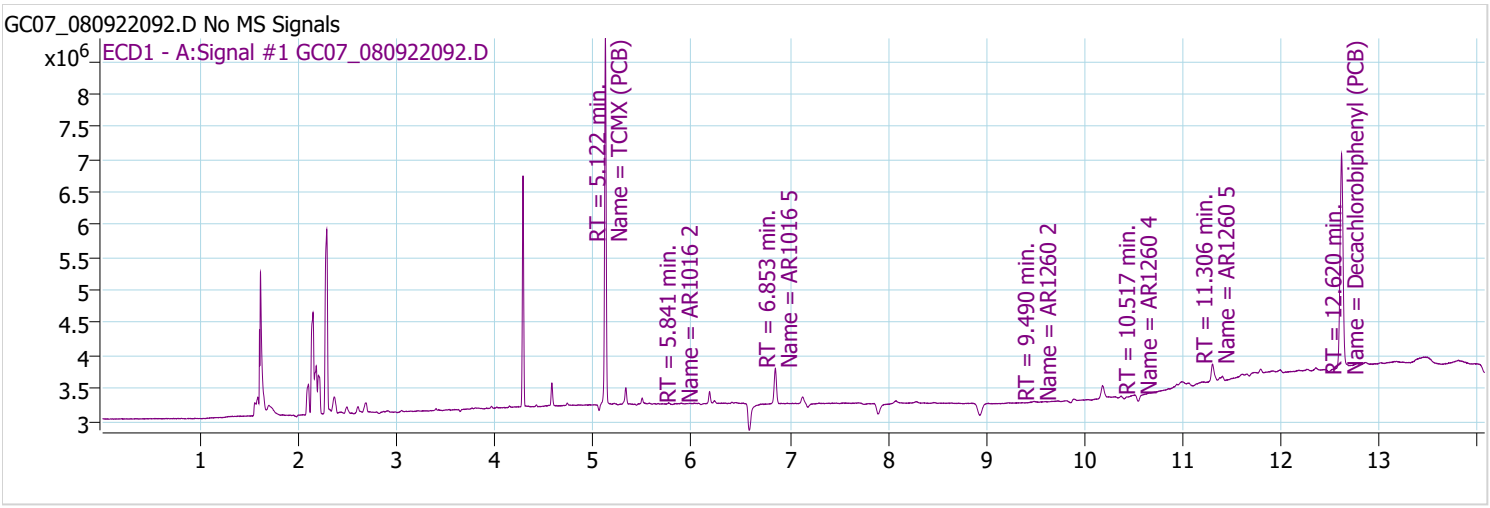
NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

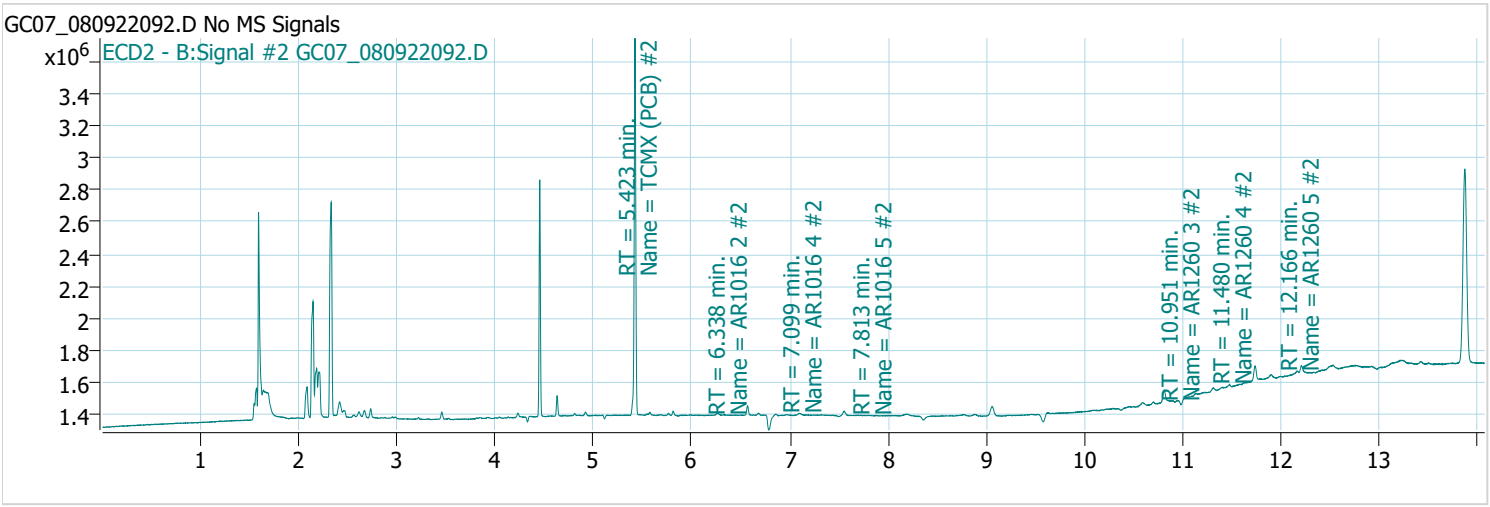
ISTD (CCV gc07_080922063)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.45	4.45	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.28	4.28	0.00

Analyst: TRN 08/10/22 **Reviewer:** SLL 08/11/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_080922092.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	8/10/2022 2:03:36 PM
Sample Name	466919-003, 294557, 1	Instrument	SVOA-GC07
Vial	41	Multiplier	1.00
DA Method File	PCB_608_080822_GC07_1.m	Comment	WIPE/1DM2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	080922PCB.batch.bin	Last Calib Update	8/9/2022 3:43:56 PM
Ref Library			





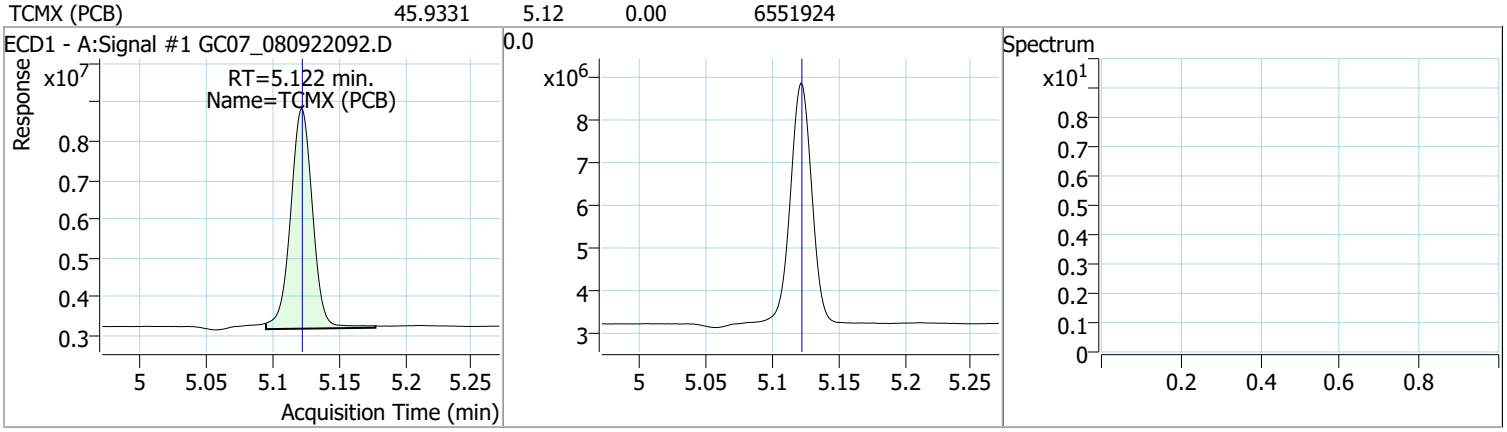
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.283	0.0	3257406.050	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.453	0.0	1368882.531	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.122	0.0	6551923.892	45.9331	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 229.67%		*	
S TCMX (PCB) #2	5.423	0.0	2616378.356	45.2340	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 226.17%		*	
S Decachlorobiphenyl (PCB)	12.620	0.0	6904738.715	59.3280	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 296.64%		*	
S Decachlorobiphenyl (PCB) #2	13.876	0.0	3215809.498	41.8652	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 209.33%		*	

Target Compounds QValue

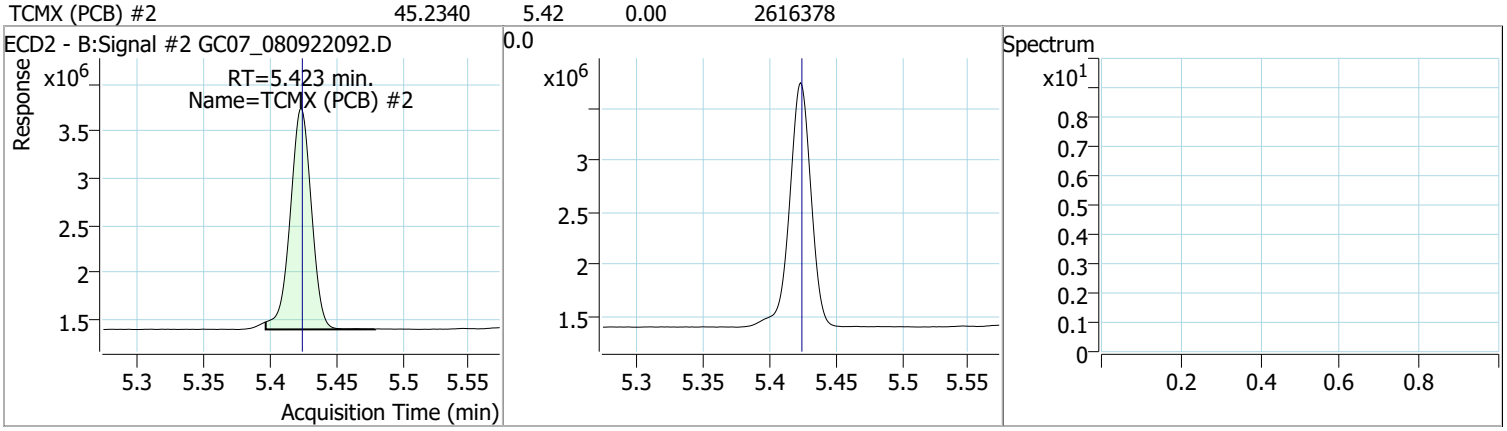
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.455	0.0	16653.246	5.7046	ng/ml	100
T AR1016 2	5.841	0.0	26047.887	4.4630	ng/ml	100
T AR1016 1 #2	5.911	0.0	2248.333	1.8337	ng/ml	100
T AR1016 3	6.329	0.0	14484.845	0.0000	ng/ml	100
T AR1016 2 #2	6.338	0.0	2723.090	1.0354	ng/ml	100
T AR1016 4	6.454	0.0	38525.306	8.2437	ng/ml	100
T AR1016 3 #2	6.858	0.0	636065.419	199.0350	ng/ml	100
T AR1016 5	6.853	0.0	922618.720	225.4857	ng/ml	100
T AR1016 4 #2	7.099	0.0	34179.841	14.7663	ng/ml	100
T AR1016 5 #2	7.813	0.0	937.593	0.5223	ng/ml	100
T AR1260 1	9.019	0.0	405583.870	49.9015	ng/ml	100
T AR1260 2	9.490	0.0	43791.109	3.5869	ng/ml	100
T AR1260 3	10.040	0.0	142091.791	10.6446	ng/ml	100
T AR1260 1 #2	10.295	0.0	30406.528	7.8877	ng/ml	100
T AR1260 4	10.517	0.0	409659.787	67.6445	ng/ml	100
T AR1260 2 #2	10.509	0.0	5529.438	1.2597	ng/ml	100
T AR1260 3 #2	10.951	0.0	43311.056	7.3673	ng/ml	100
T AR1260 5	11.306	0.0	597253.060	74.9030	ng/ml	100
T AR1260 4 #2	11.480	0.0	40315.748	13.9797	ng/ml	100
T AR1260 5 #2	12.166	0.0	59377.577	12.7526	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

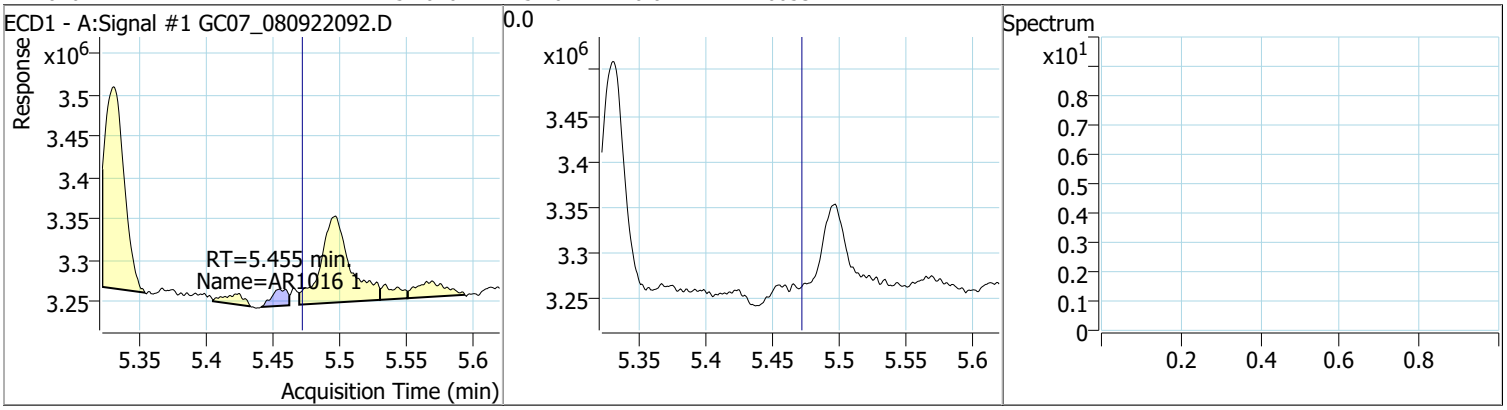
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	45.9331	5.12	0.00	6551924				



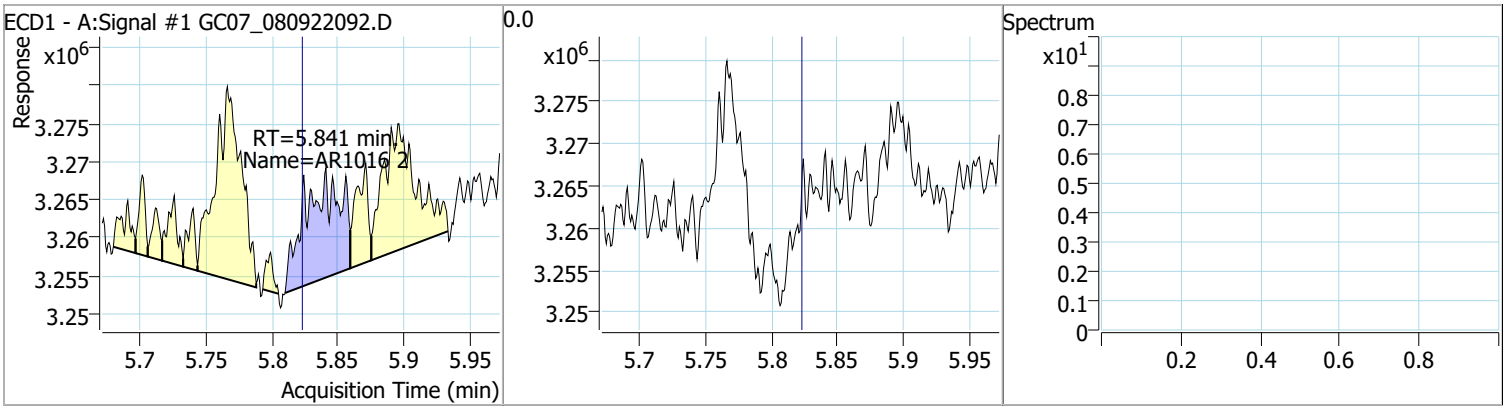
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	45.2340	5.42	0.00	2616378				



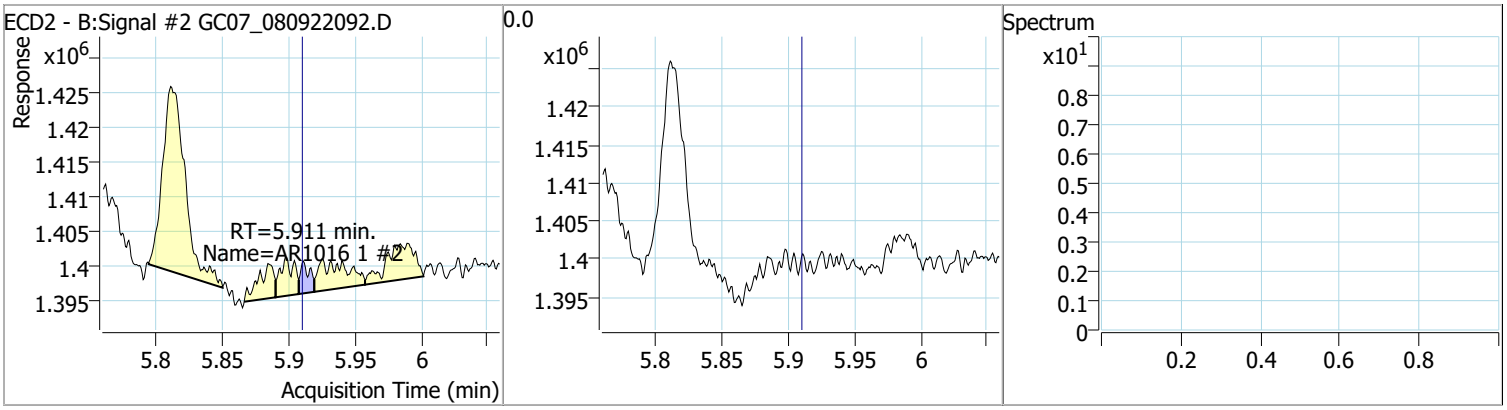
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	5.7046	5.46	-0.02	16653				



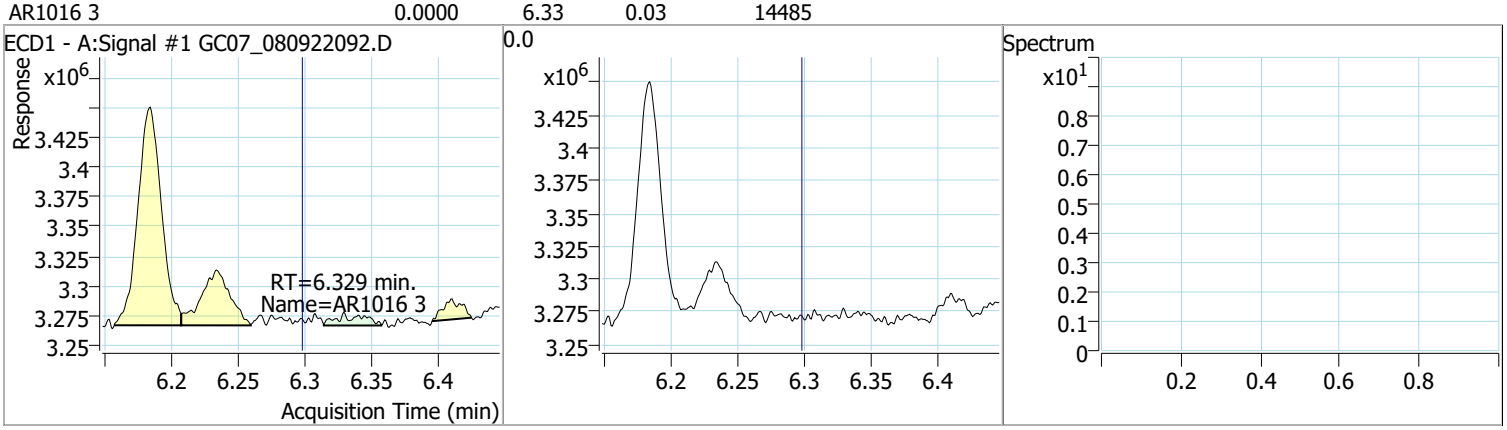
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	4.4630	5.84	0.02	26048				



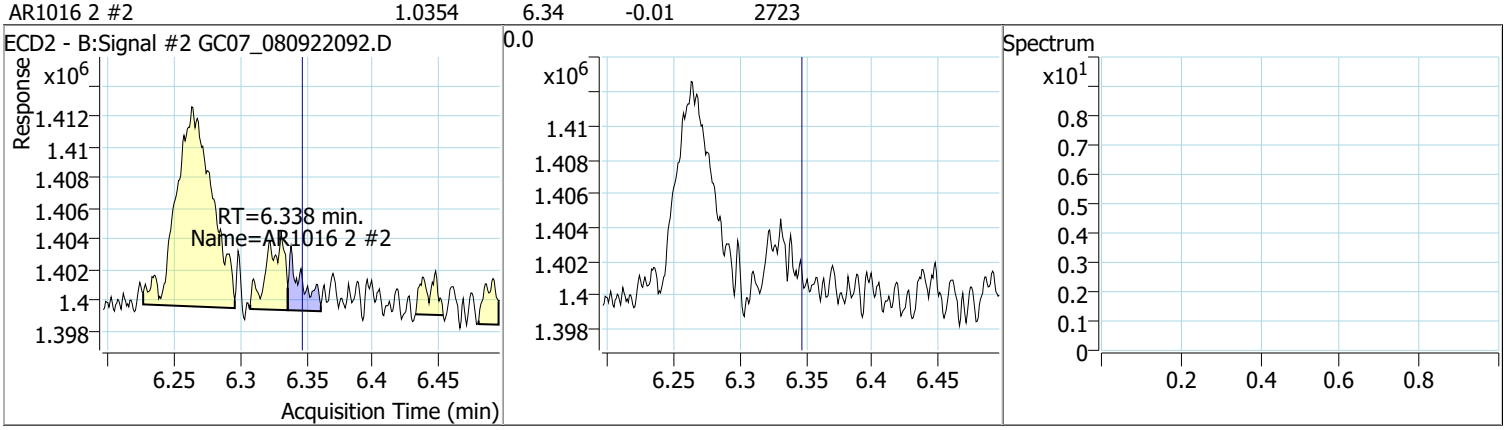
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1.8337	5.91	0.00	2248				



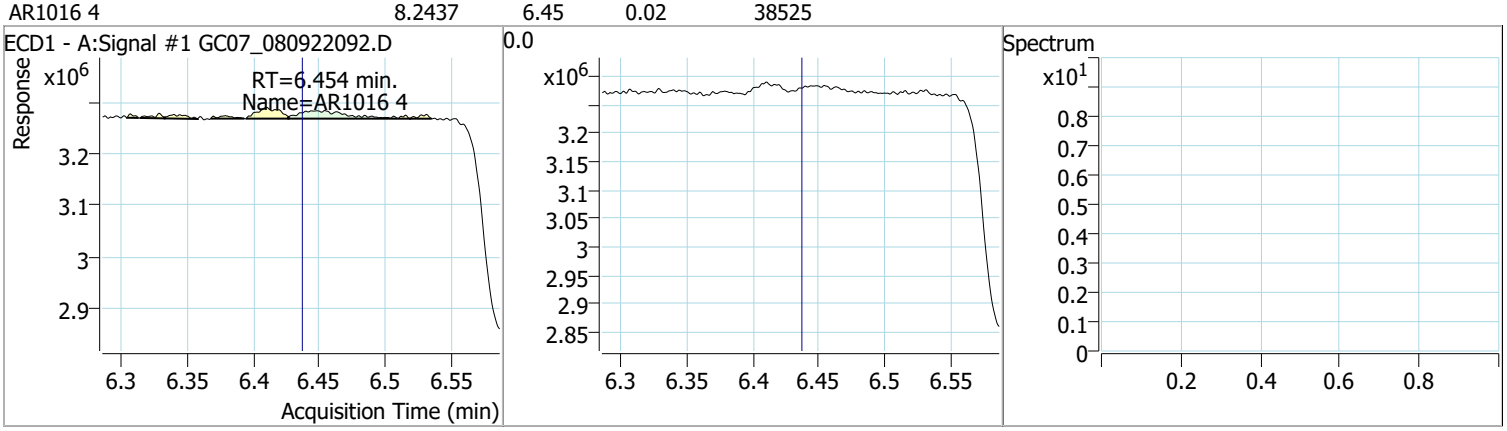
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	0.0000	6.33	0.03	14485				



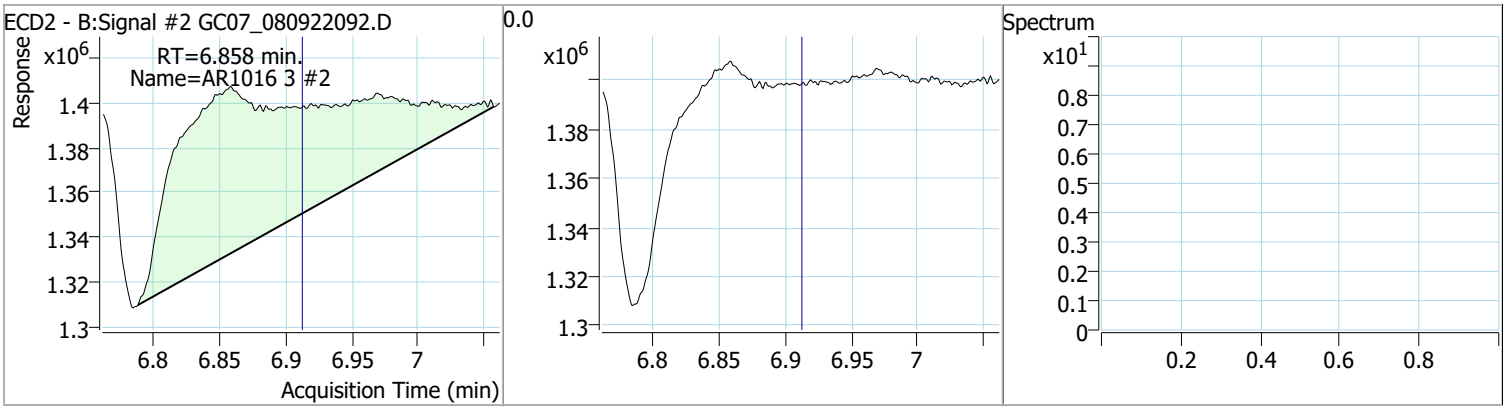
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1.0354	6.34	-0.01	2723				



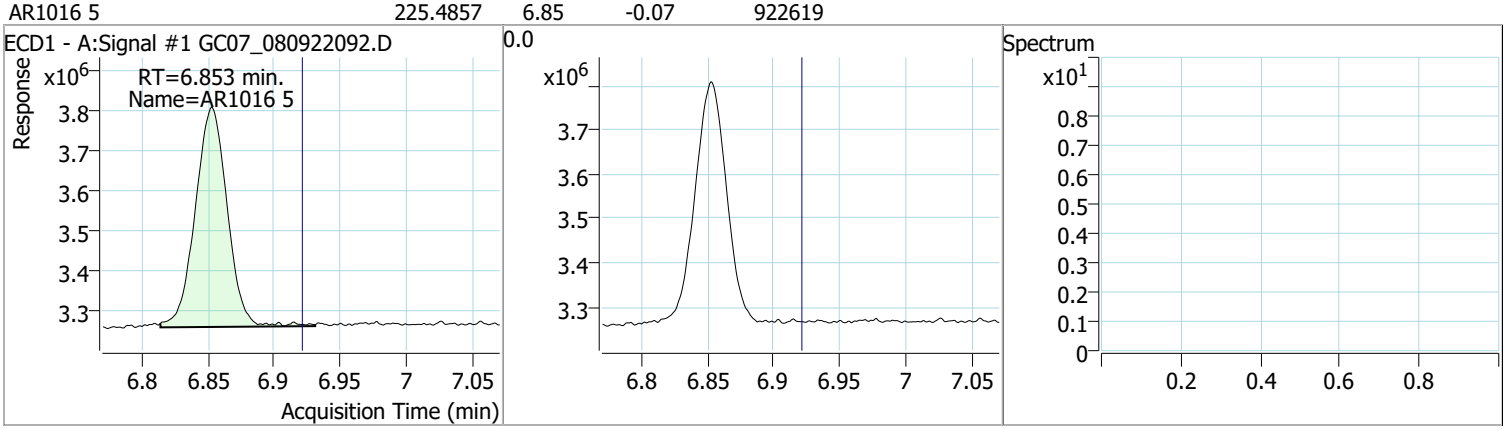
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	8.2437	6.45	0.02	38525				



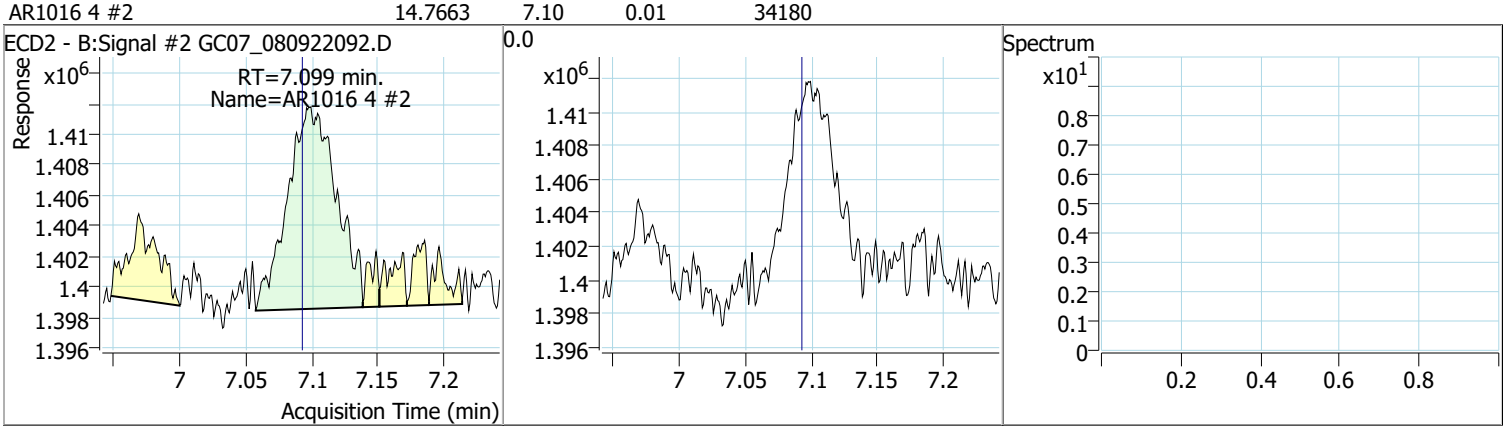
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	199.0350	6.86	-0.05	636065				



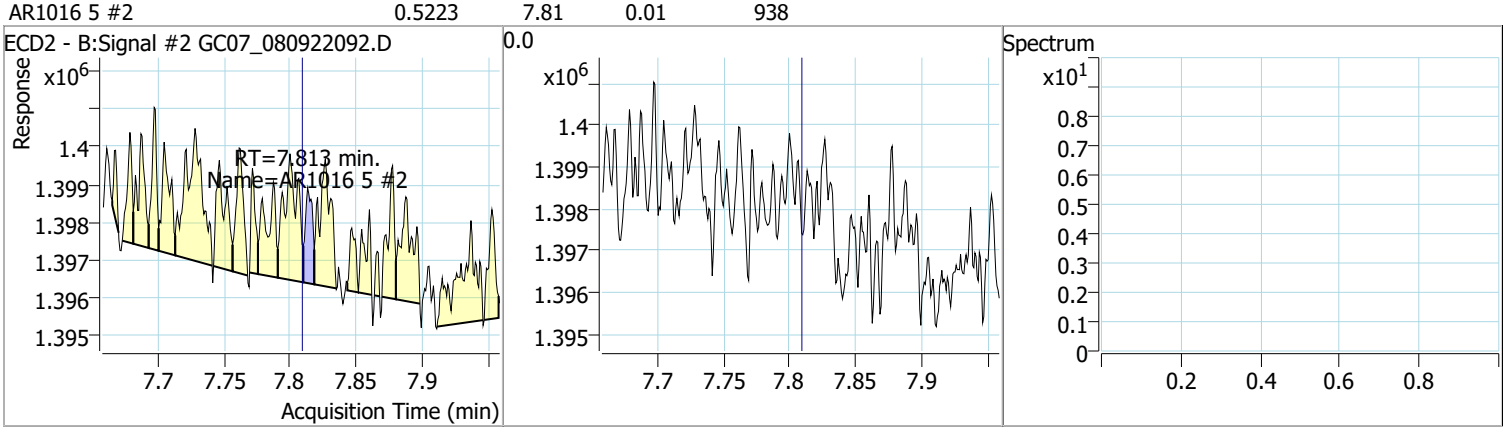
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	225.4857	6.85	-0.07	922619				



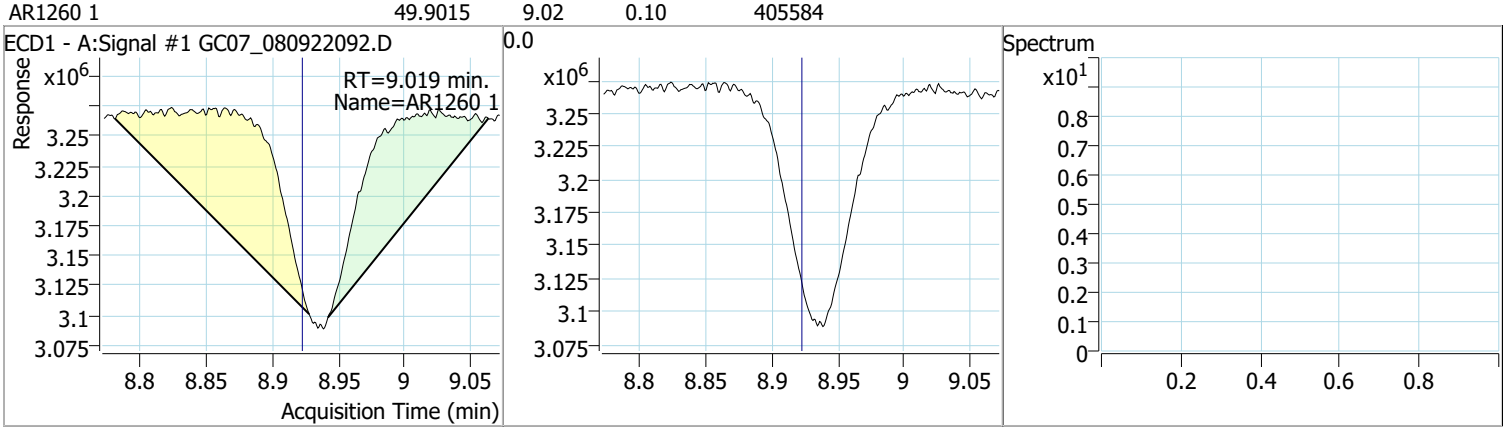
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	14.7663	7.10	0.01	34180				



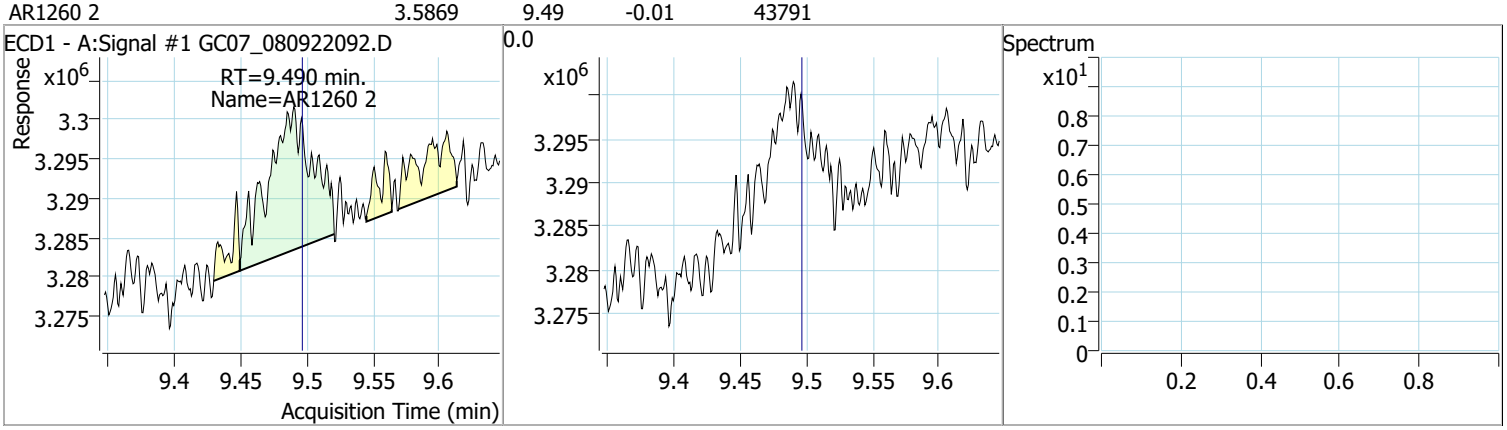
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.5223	7.81	0.01	938				



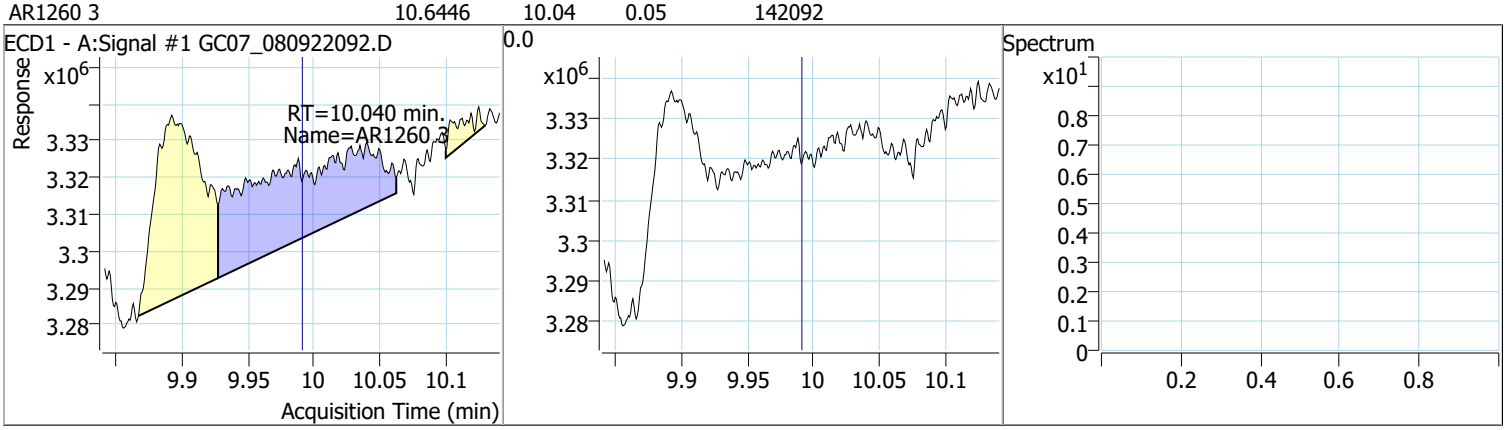
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	49.9015	9.02	0.10	405584				



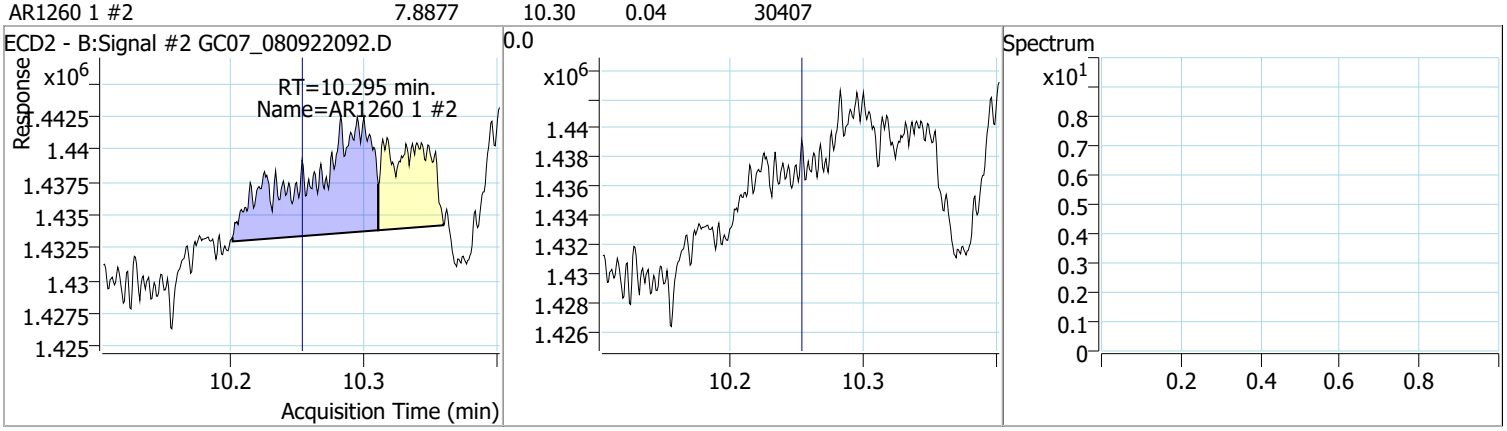
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	3.5869	9.49	-0.01	43791				



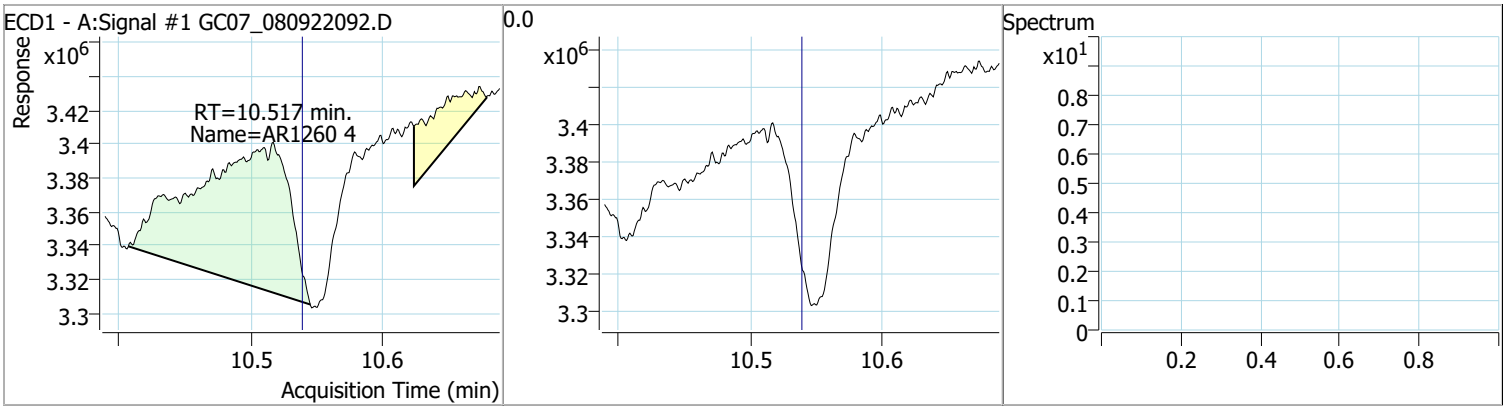
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	10.6446	10.04	0.05	142092				



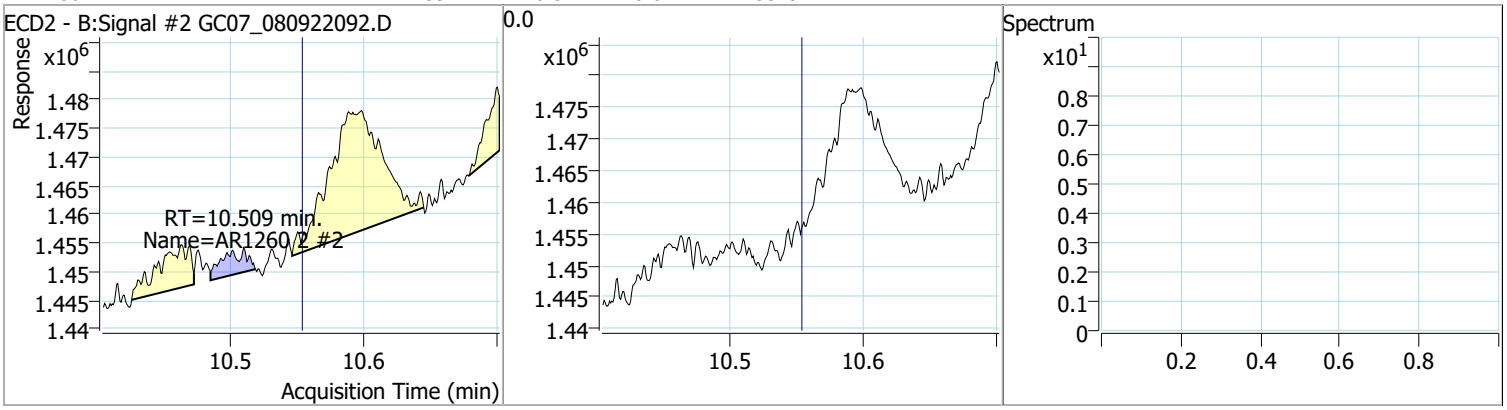
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	7.8877	10.30	0.04	30407				



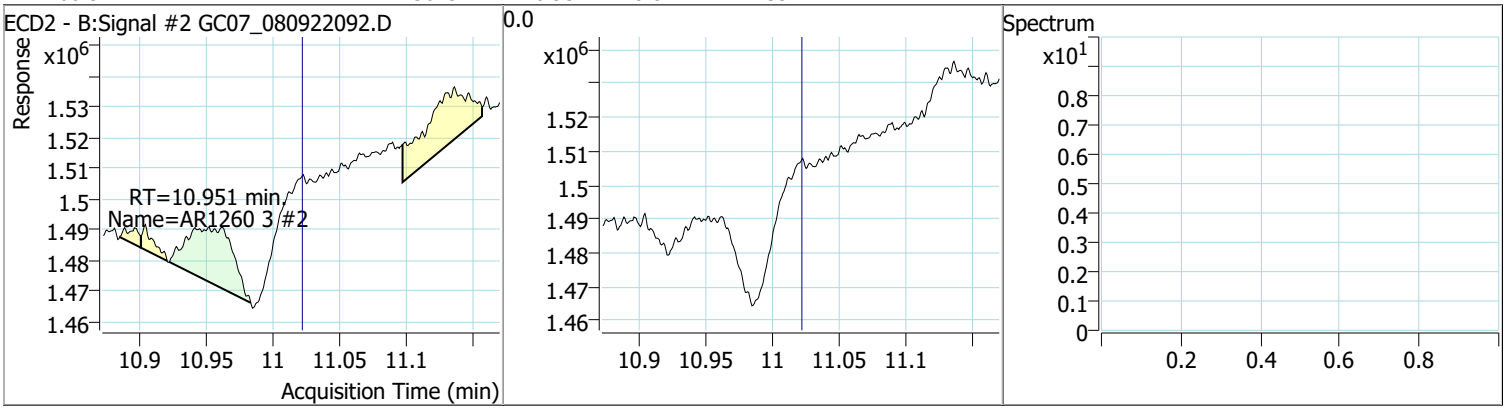
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	67.6445	10.52	-0.02	409660				



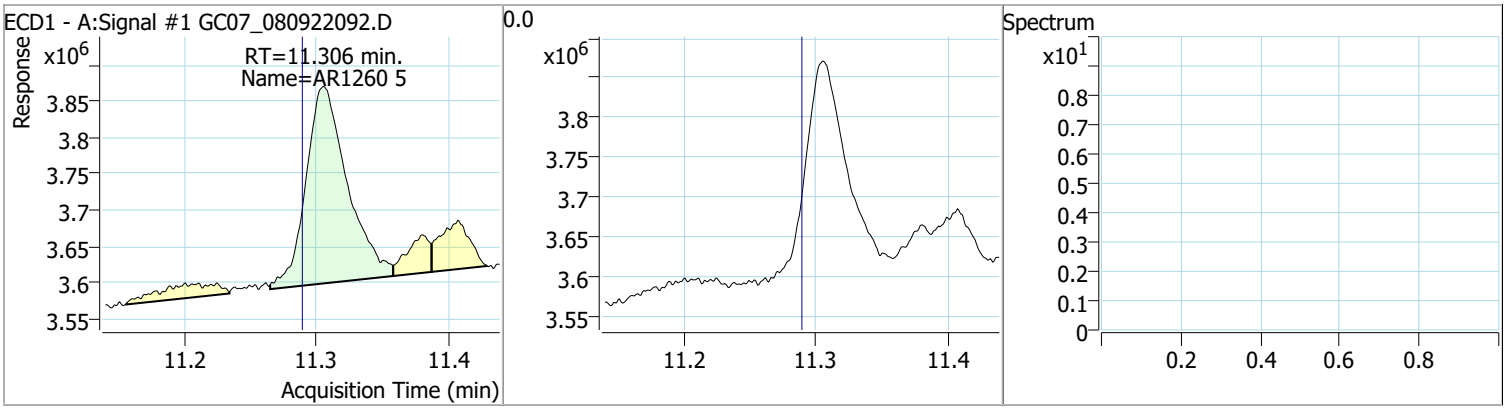
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1.2597	10.51	-0.04	5529				



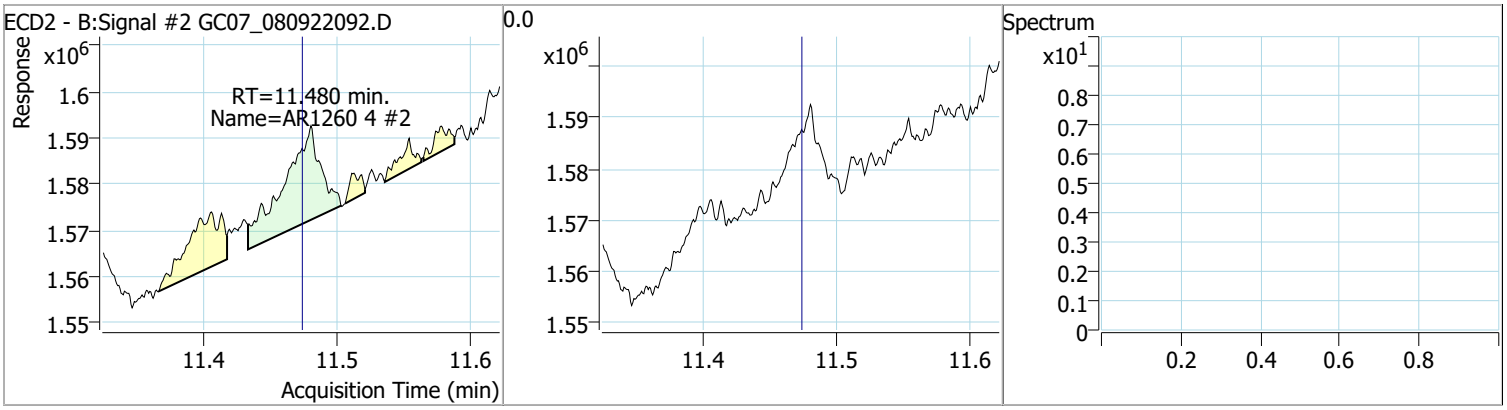
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	7.3673	10.95	-0.07	43311				



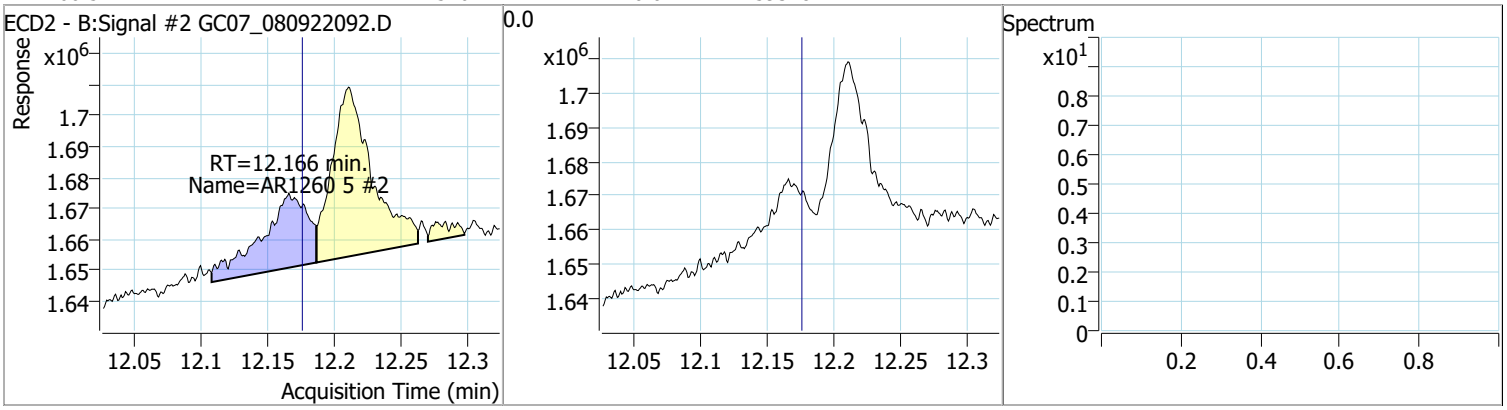
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	74.9030	11.31	0.02	597253				



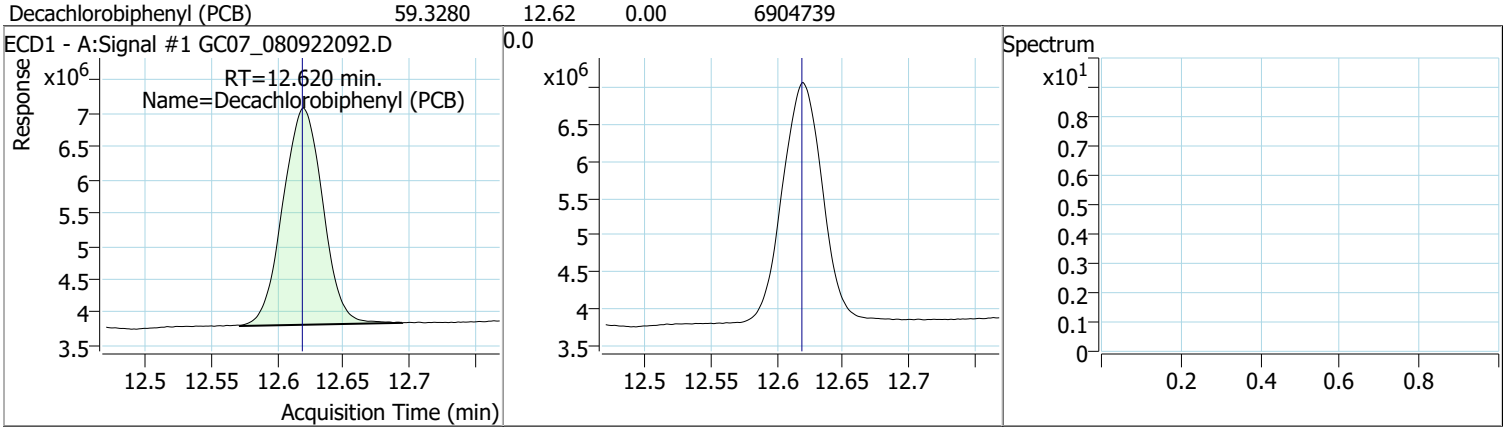
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	13.9797	11.48	0.01	40316				



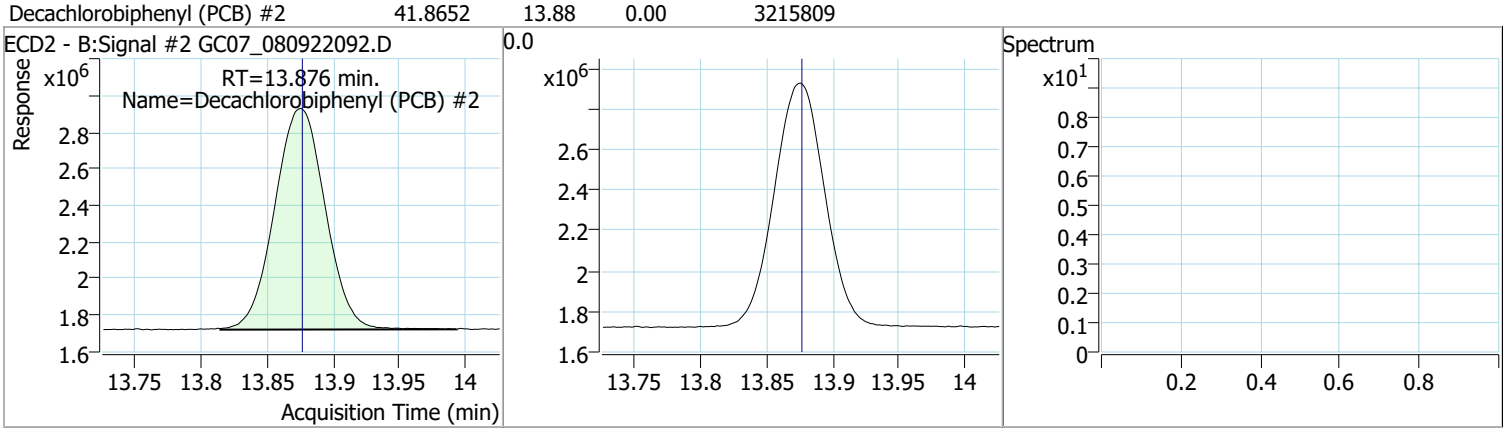
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	12.7526	12.17	-0.01	59378				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	59.3280	12.62	0.00	6904739				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	41.8652	13.88	0.00	3215809				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	466919-005	Client ID:	DOOR-N-0.9GW-PS-21-220805-P-G
Seqnum:	462319236093	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_080922093	Batch:	294557	Time:	10-AUG-2022 14:21
Cal:	462317638001	Caldate:	08-AUG-2022		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	35.11	ug/L	ND	0.79	12%	1.0		u
Aroclor-1016 Peak # 1	B	5.365	ug/L	0.11	1.26	169%			
Aroclor-1016 Peak # 2	B	2.161	ug/L	0.04	0.13	99%			
Aroclor-1016 Peak # 3	B	151.3	ug/L	3.03	ND	393%			
Aroclor-1016 Peak # 4	B	16.53	ug/L	0.33	0.14	80%			
Aroclor-1016 Peak # 5	B	0.2255	ug/L	0.00	3.42	199%			
Aroclor-1221	B			ND			1.0		u
Aroclor-1232	B			ND			1.0		u
Aroclor-1242	B			ND			1.0		u
Aroclor-1248	B			ND			1.0		u
Aroclor-1254	B			ND			1.0		u
Aroclor-1260	B	14.32	ug/L	ND	1.6	140%	1.0		u
Aroclor-1260 Peak # 1	B	25.23	ug/L	0.50	1.32	89%			
Aroclor-1260 Peak # 2	B	17.21	ug/L	0.34	0.09	114%			
Aroclor-1260 Peak # 3	B	7.204	ug/L	0.14	0.15	1%			
Aroclor-1260 Peak # 4	B	9.219	ug/L	0.18	1.31	151%			
Aroclor-1260 Peak # 5	B	12.73	ug/L	0.25	5.32	182%			
Aroclor-1262	B			ND			1.0		u
Aroclor-1268	B			ND			1.0		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	42.75	pg/uL	1.000	0.8551	86	52-186	c- u
Decachlorobiphenyl (PCB)	B	39.95	pg/uL	1.000	0.7990	80	50-150	c- u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_080922063)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	2659137	1791798	-32.62
1-bromo-2-nitrobenzene (PCB)	A	7252655	4316664	-40.48

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

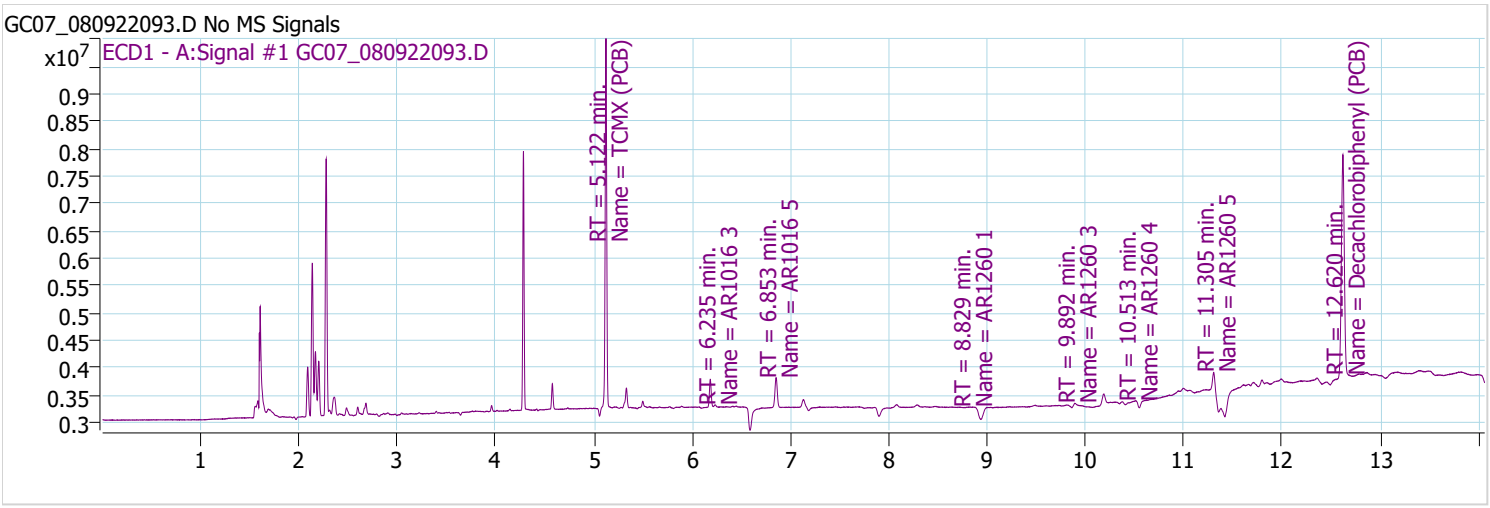
ISTD (CCV gc07_080922063)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.45	4.45	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.28	4.28	0.00

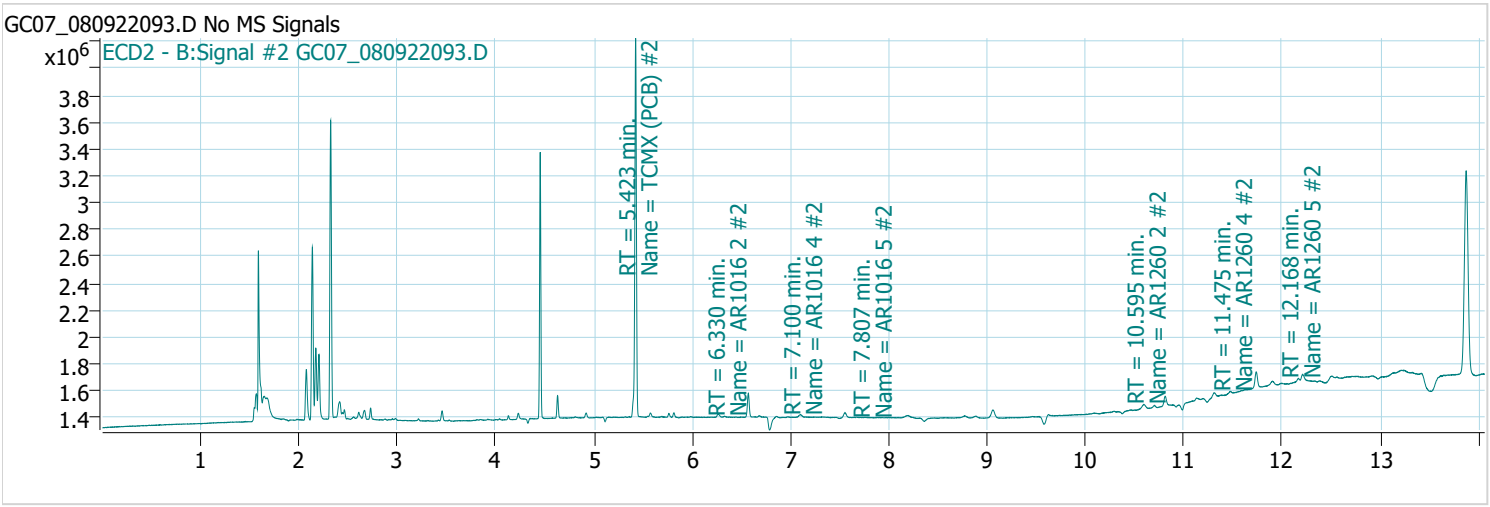
Analyst: TRN 08/10/22

Reviewer: SLL 08/11/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_080922093.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	8/10/2022 2:21:12 PM
Sample Name	466919-005, 294557, 1	Instrument	SVOA-GC07
Vial	42	Multiplier	1.00
DA Method File	PCB_608_080822_GC07_1.m	Comment	WIPE/1DM2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	080922PCB.batch.bin	Last Calib Update	8/9/2022 3:43:56 PM
Ref Library			



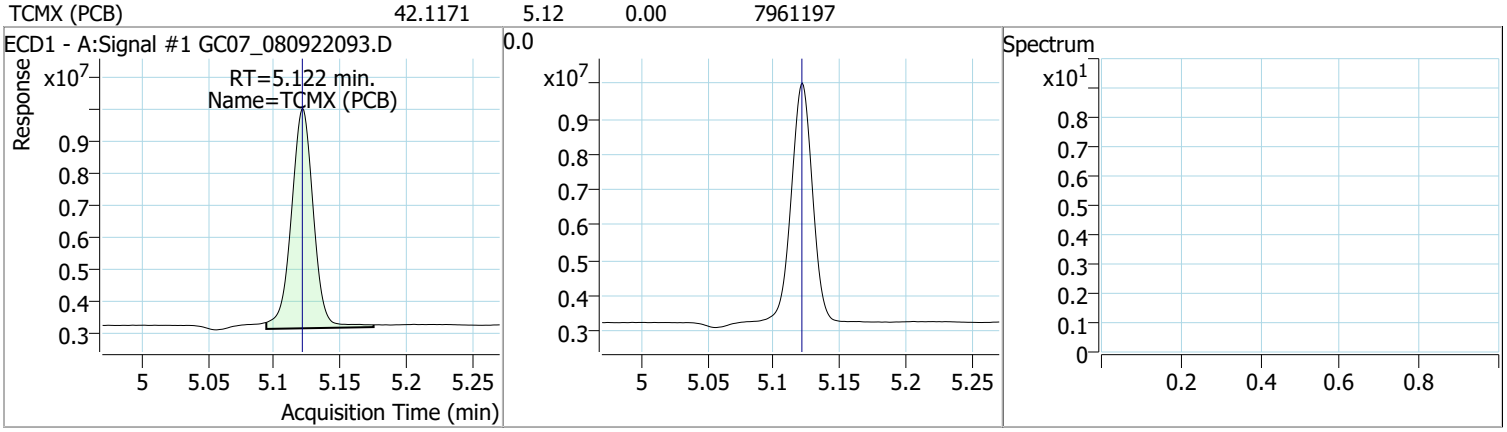


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.282	0.0	4316664.363	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.453	0.0	1791797.749	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.122	0.0	7961197.316	42.1171	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 210.59%		*	
S TCMX (PCB) #2	5.423	0.0	3235003.964	42.7284	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 213.64%		*	
S Decachlorobiphenyl (PCB)	12.620	0.0	8793644.211	56.9076	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 284.54%		*	
S Decachlorobiphenyl (PCB) #2	13.874	0.0	4014391.114	39.9264	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 199.63%		*	
Target Compounds							QValue

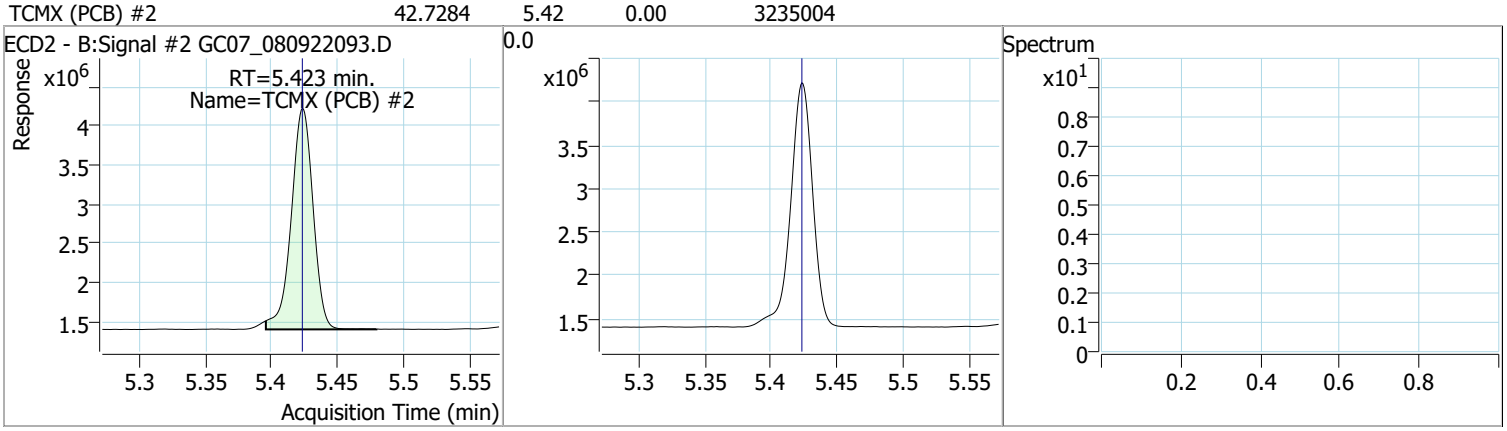
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.495	0.0	243499.804	62.9431	ng/ml	100
T AR1016 2	5.838	0.0	49591.705	6.4120	ng/ml	100
T AR1016 1 #2	5.904	0.0	8605.976	5.3623	ng/ml	100
T AR1016 3	6.235	0.0	66592.644	0.0000	ng/ml	100
T AR1016 2 #2	6.330	0.0	7435.858	2.1600	ng/ml	100
T AR1016 4	6.453	0.0	43704.831	7.0572	ng/ml	100
T AR1016 3 #2	6.858	0.0	632450.257	151.1929	ng/ml	100
T AR1016 5	6.853	0.0	926138.575	170.8033	ng/ml	100
T AR1016 4 #2	7.100	0.0	50049.399	16.5187	ng/ml	100
T AR1016 5 #2	7.807	0.0	529.658	0.2254	ng/ml	100
T AR1260 1	8.829	0.0	711063.944	66.0184	ng/ml	100
T AR1260 2	9.484	0.0	76426.088	4.7239	ng/ml	100
T AR1260 3	9.892	0.0	128429.179	7.2602	ng/ml	100
T AR1260 1 #2	10.289	0.0	127225.807	25.2138	ng/ml	100
T AR1260 4	10.513	0.0	524360.710	65.3376	ng/ml	100
T AR1260 2 #2	10.595	0.0	98813.200	17.1980	ng/ml	100
T AR1260 3 #2	10.953	0.0	55407.469	7.2004	ng/ml	100
T AR1260 5	11.305	0.0	2810471.441	265.9766	ng/ml	100
T AR1260 4 #2	11.475	0.0	34780.399	9.2137	ng/ml	100
T AR1260 5 #2	12.168	0.0	77558.978	12.7258	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

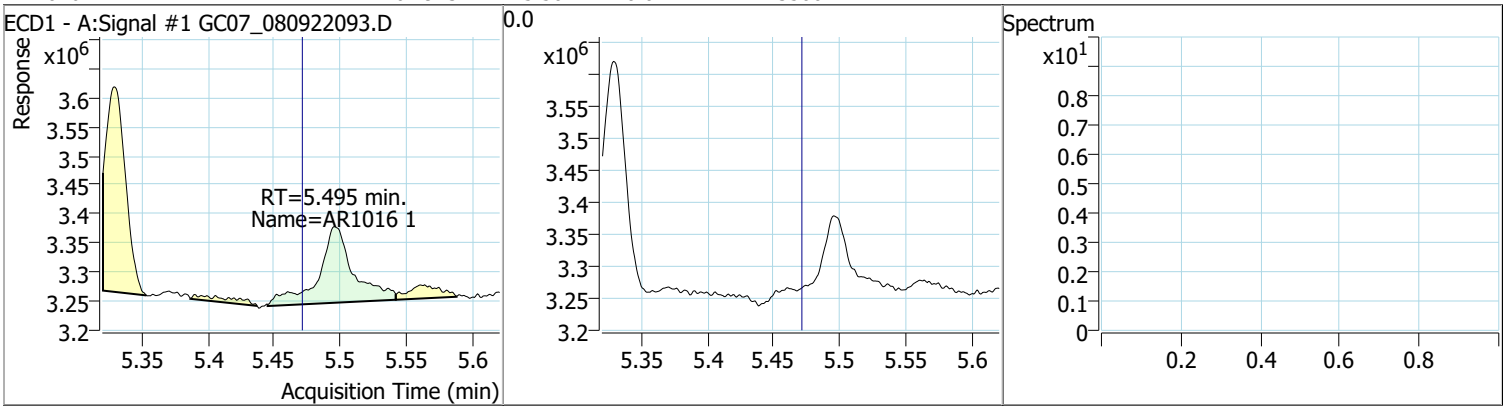
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	42.1171	5.12	0.00	7961197				



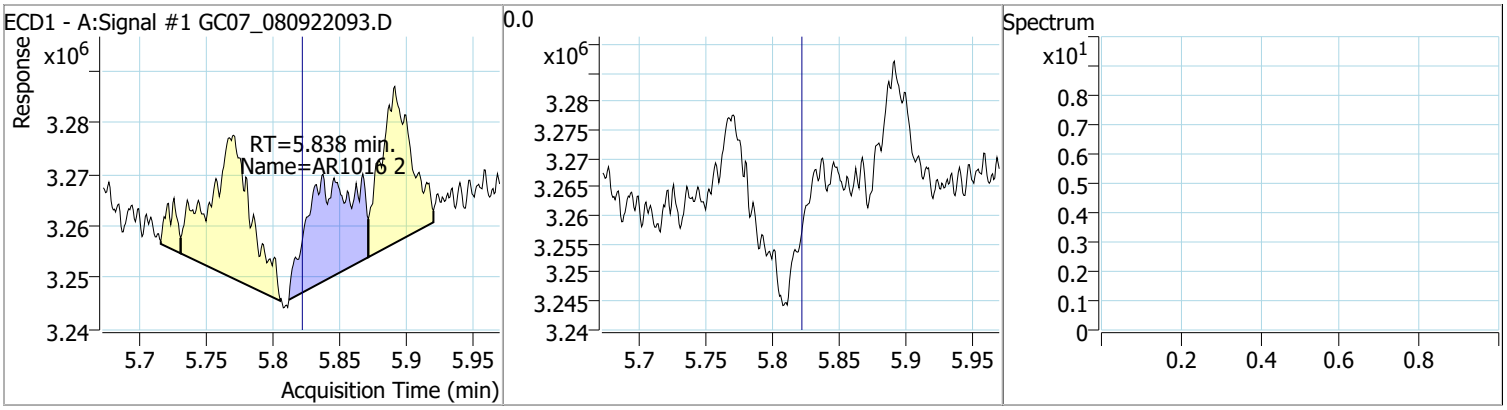
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	42.7284	5.42	0.00	3235004				



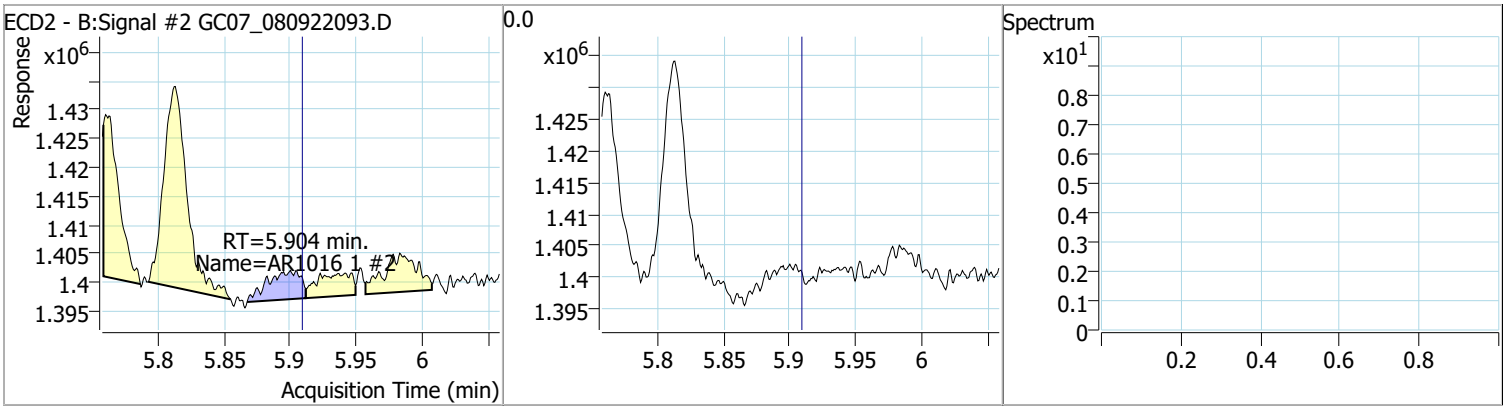
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	62.9431	5.50	0.02	243500				



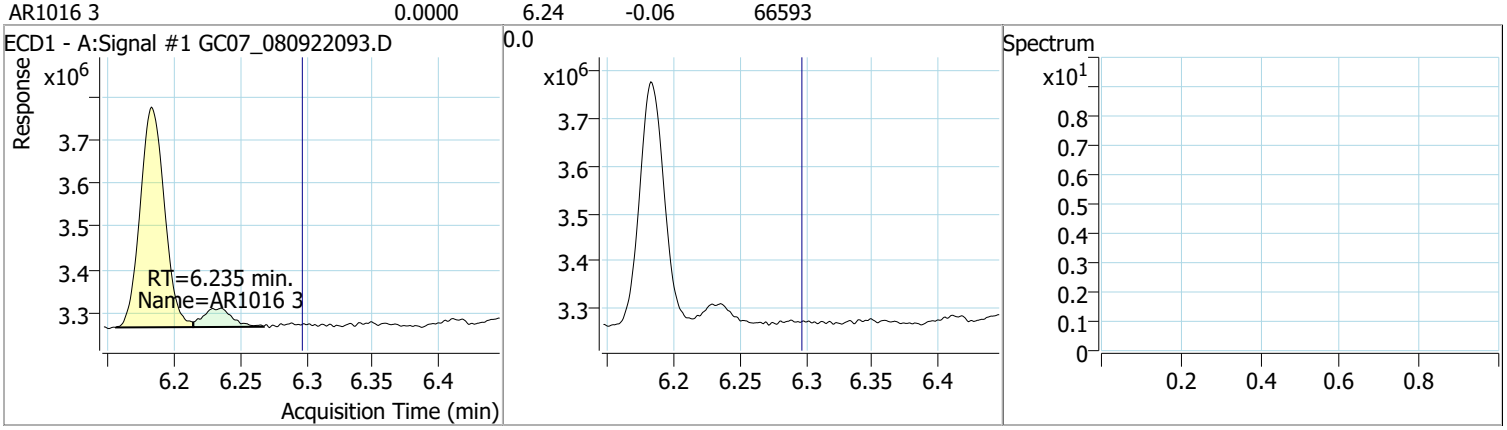
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	6.4120	5.84	0.01	49592				



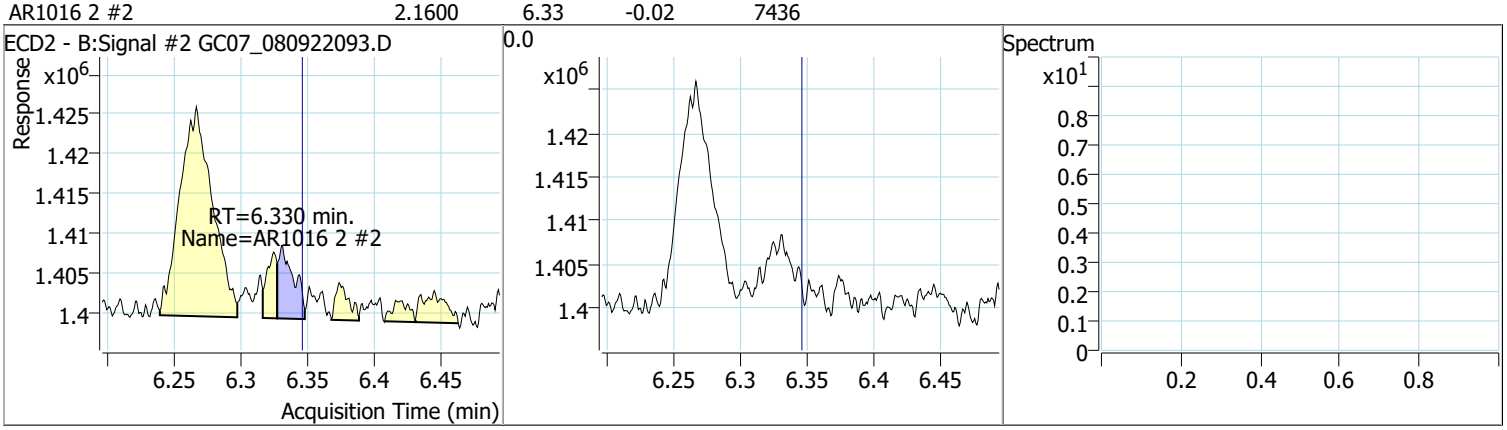
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	5.3623	5.90	0.00	8606				



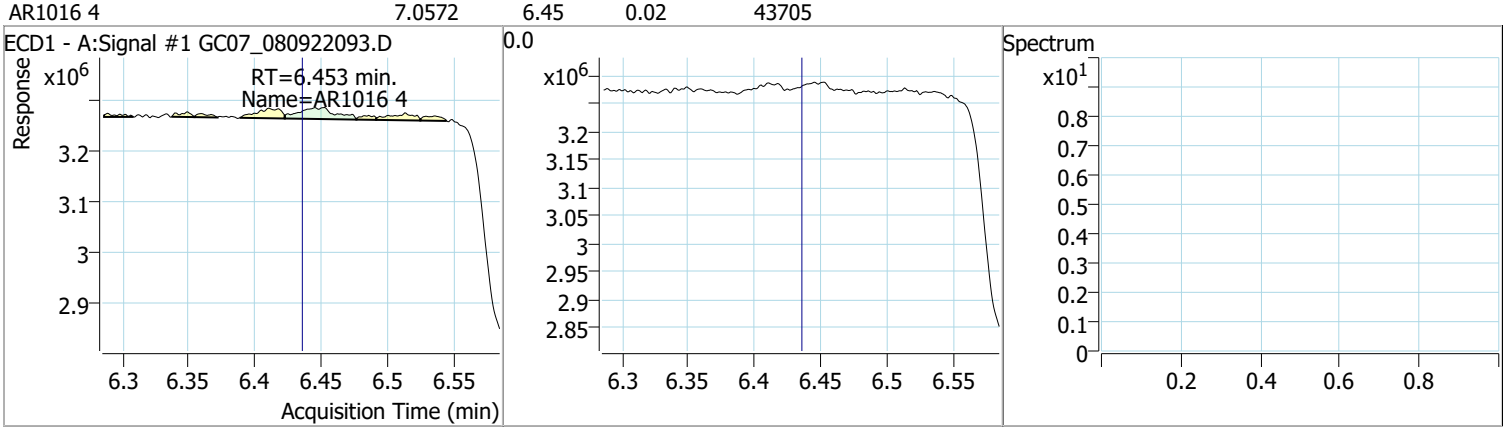
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	0.0000	6.24	-0.06	66593				



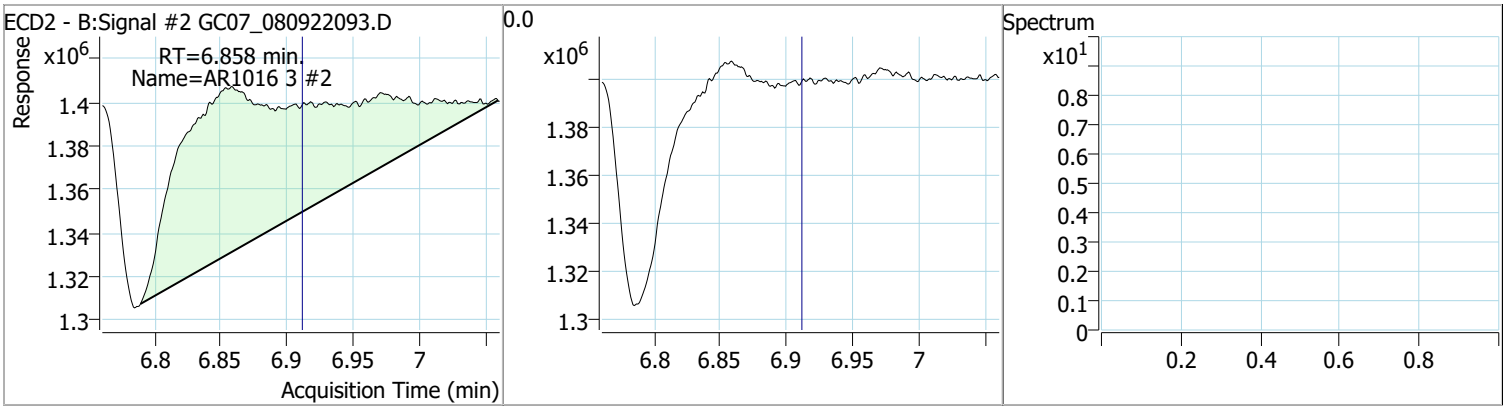
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	2.1600	6.33	-0.02	7436				



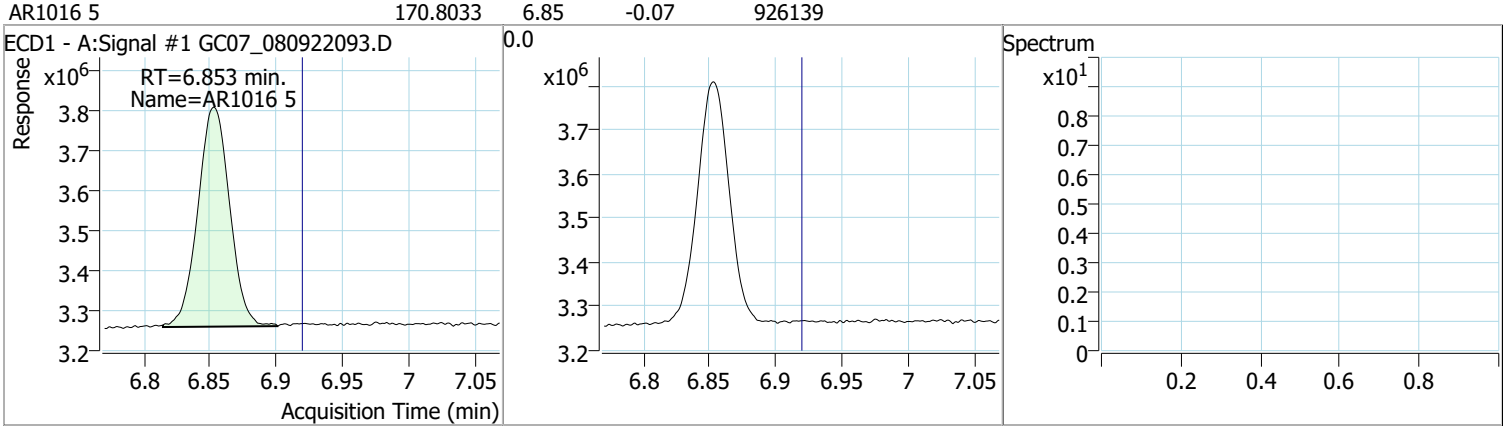
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	7.0572	6.45	0.02	43705				



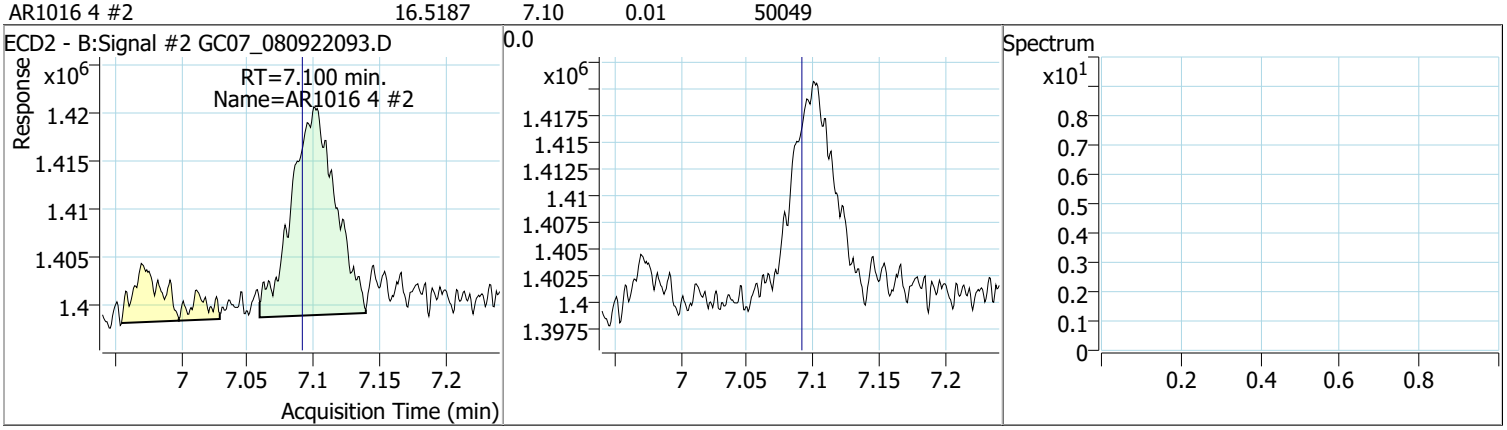
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	151.1929	6.86	-0.05	632450				



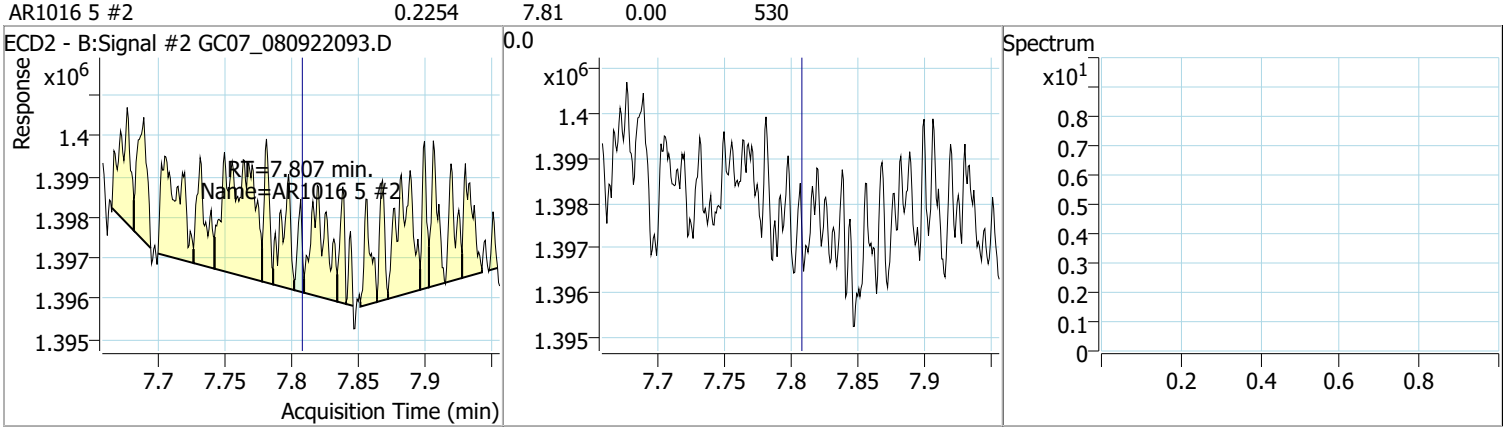
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	170.8033	6.85	-0.07	926139				



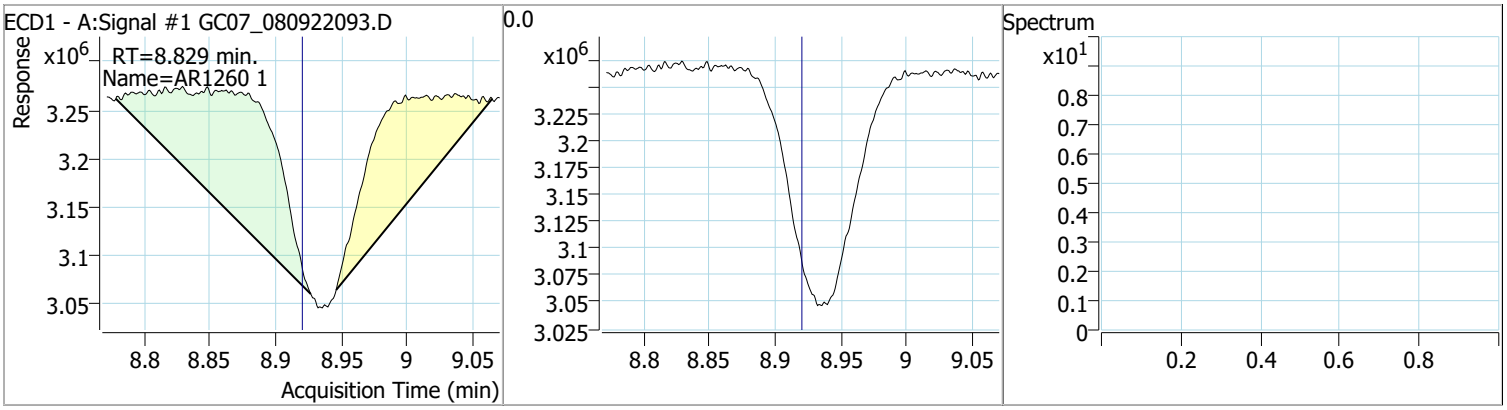
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	16.5187	7.10	0.01	50049				



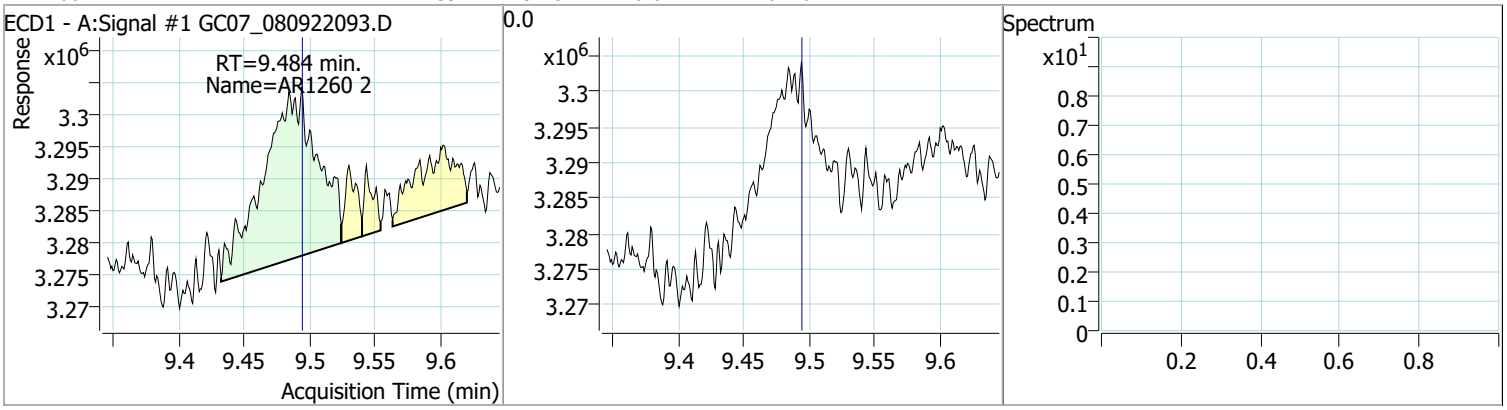
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.2254	7.81	0.00	530				



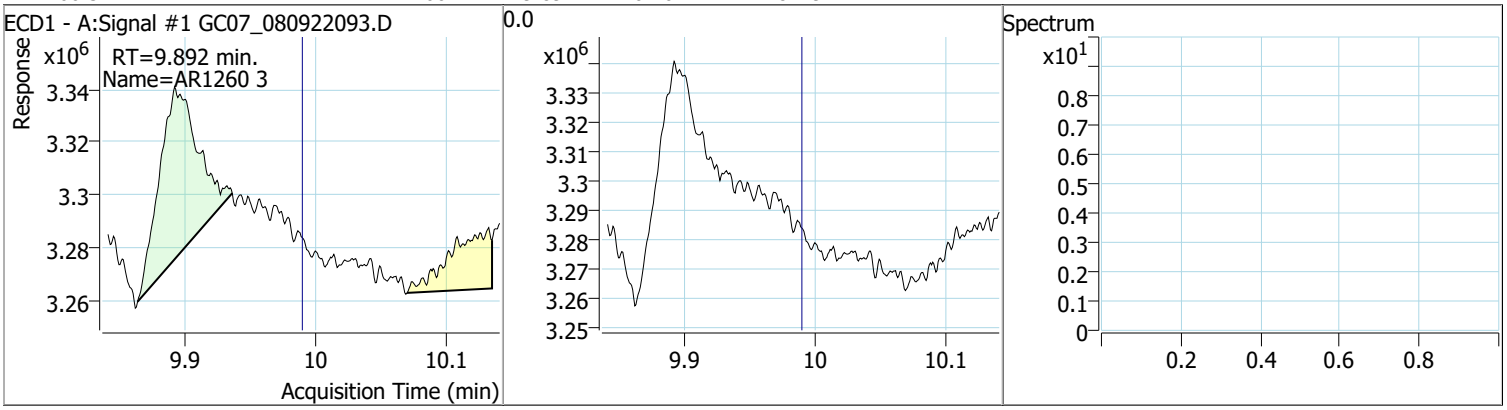
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	66.0184	8.83	-0.09	711064				



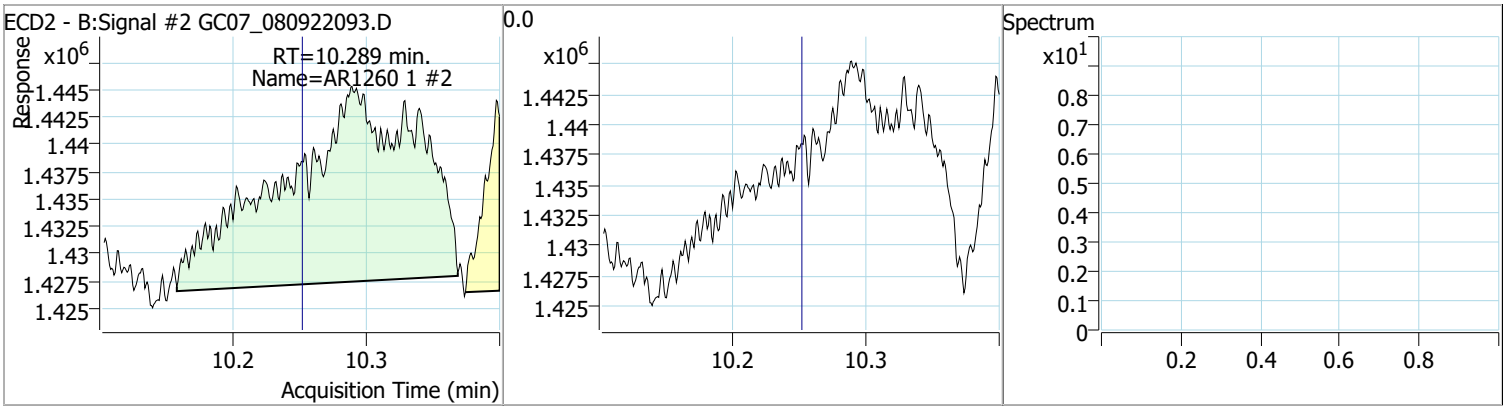
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	4.7239	9.48	-0.01	76426				



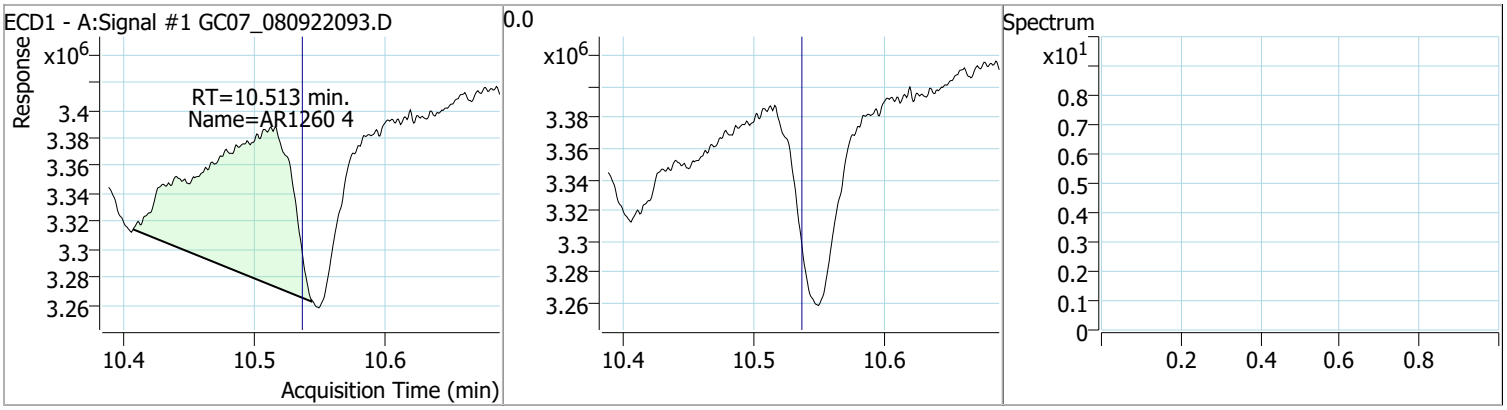
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	7.2602	9.89	-0.10	128429				



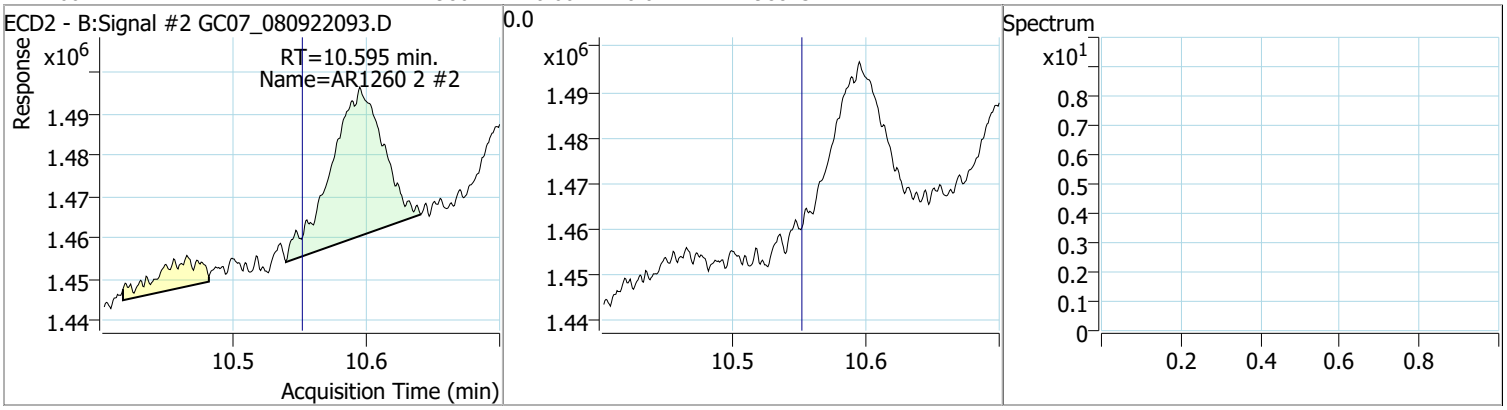
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	25.2138	10.29	0.04	127226				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	65.3376	10.51	-0.03	524361				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	17.1980	10.60	0.04	98813				



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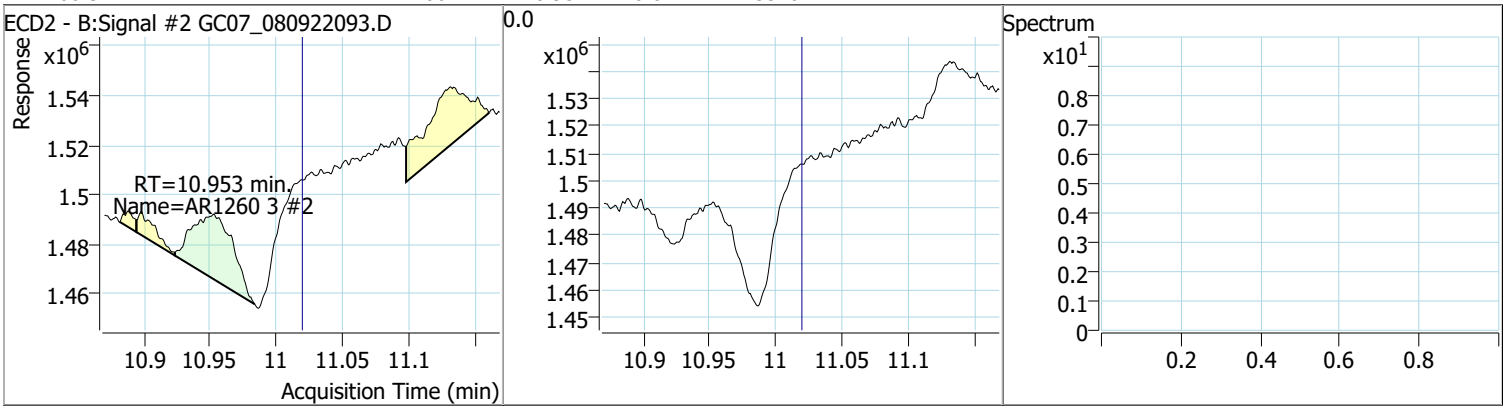
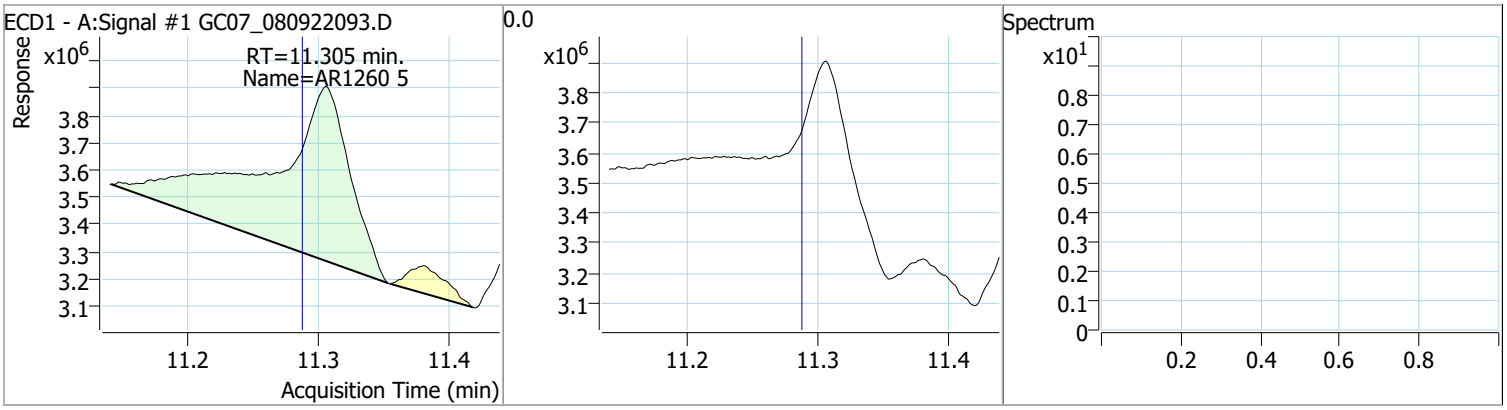
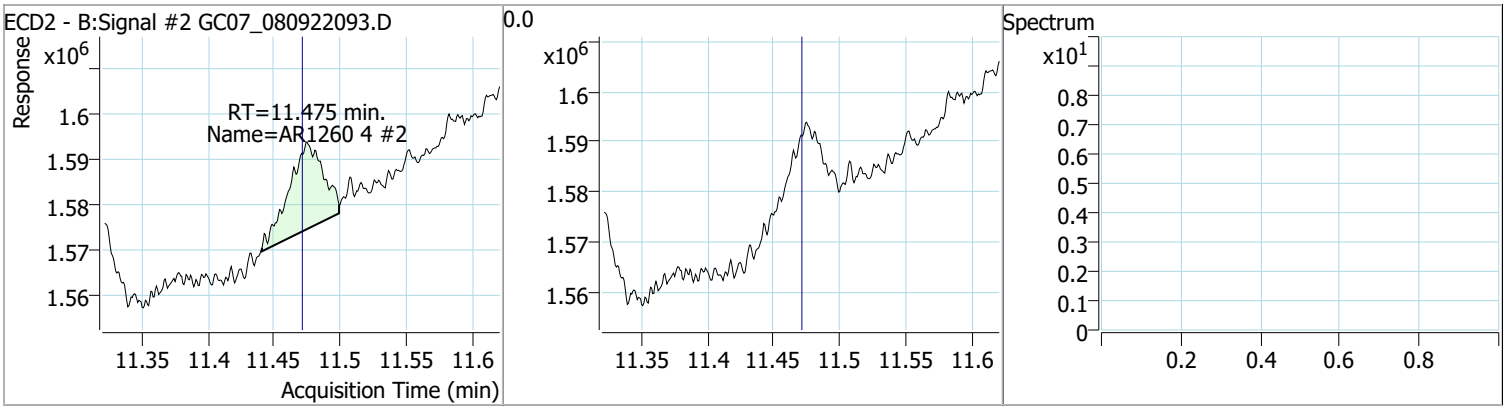
AR1260 3 #2	7.2004	10.95	-0.07	55407				



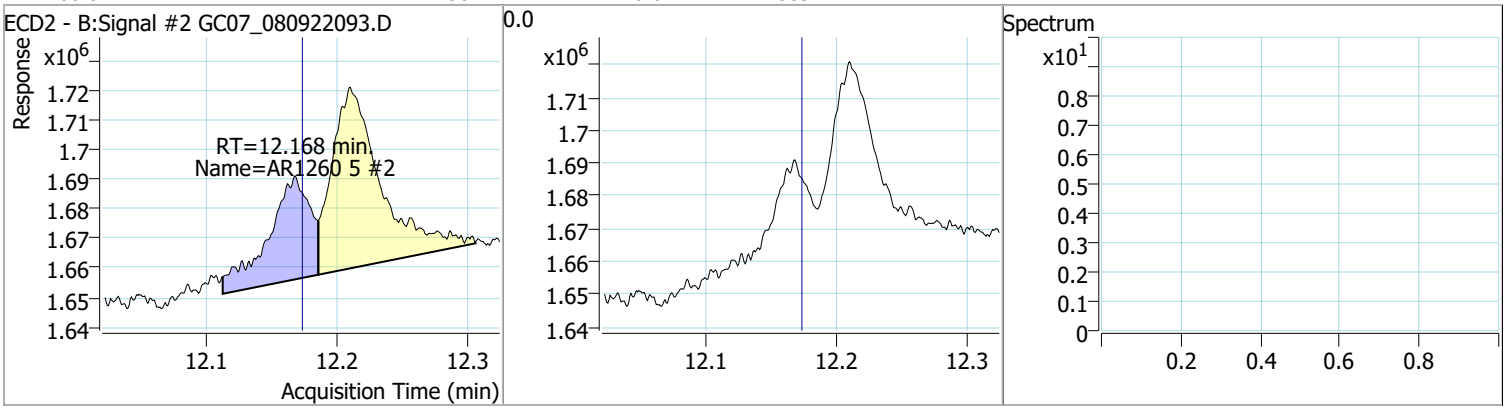
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	265.9766	11.31	0.01	2810471				



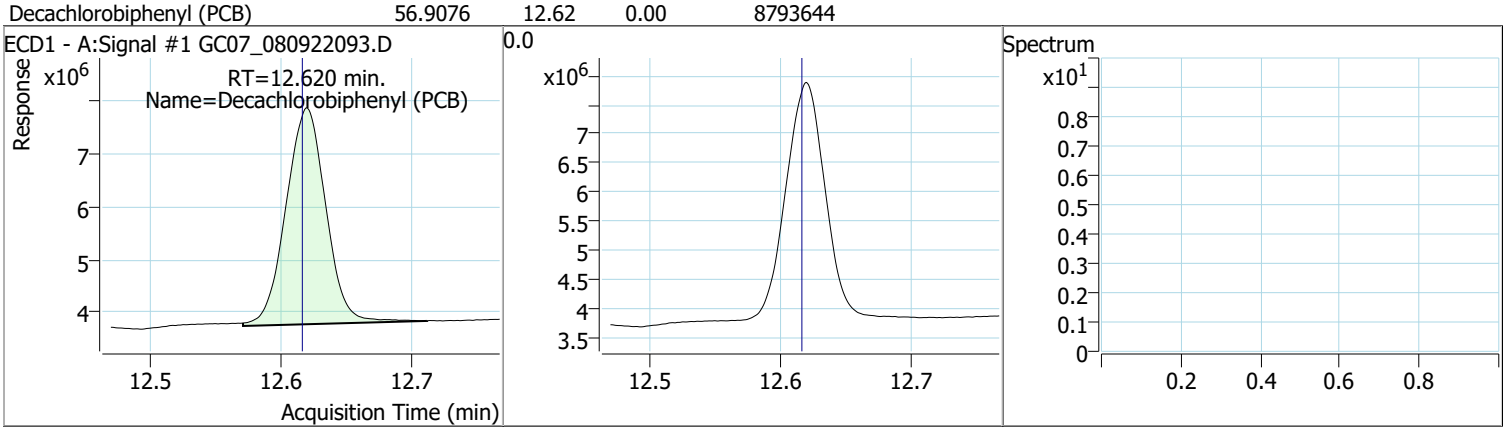
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	9.2137	11.48	0.00	34780				



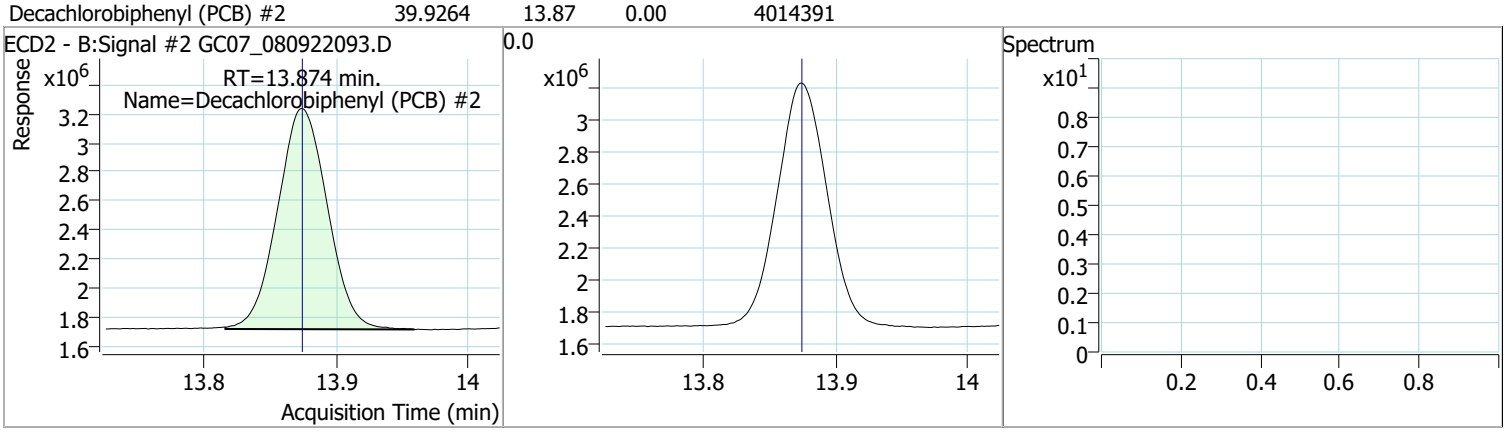
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	12.7258	12.17	-0.01	77559				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	56.9076	12.62	0.00	8793644				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	39.9264	13.87	0.00	4014391				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	466919-006	Client ID:	DOOR-N-0.9GW-PS-21-220805-P-DUP-G
Seqnum:	462319236094	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_080922094	Batch:	294557	Time:	10-AUG-2022 14:38
Cal:	462317638001	Caldate:	08-AUG-2022		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	48.48	ug/L	ND	0.85	13%	1.0		u
Aroclor-1016 Peak # 1	B	19.89	ug/L	0.40	0.16	86%			
Aroclor-1016 Peak # 2	B	2.263	ug/L	0.05	0.08	53%			
Aroclor-1016 Peak # 3	B	197.8	ug/L	3.96	ND	360%			
Aroclor-1016 Peak # 4	B	21.86	ug/L	0.44	0.16	93%			
Aroclor-1016 Peak # 5	B	0.5295	ug/L	0.01	5.01	199%			
Aroclor-1221	B			ND			1.0		u
Aroclor-1232	B			ND			1.0		u
Aroclor-1242	B			ND			1.0		u
Aroclor-1248	B			ND			1.0		u
Aroclor-1254	B			ND			1.0		u
Aroclor-1260	B	8.791	ug/L	ND	1.7	163%	1.0		u
Aroclor-1260 Peak # 1	B	1.045	ug/L	0.02	1.26	193%			
Aroclor-1260 Peak # 2	B	22.57	ug/L	0.45	0.11	120%			
Aroclor-1260 Peak # 3	B	8.850	ug/L	0.18	0.42	81%			
Aroclor-1260 Peak # 4	B	4.390	ug/L	0.09	1.48	178%			
Aroclor-1260 Peak # 5	B	7.104	ug/L	0.14	5.40	190%			
Aroclor-1262	B			ND			1.0		u
Aroclor-1268	B			ND			1.0		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	43.51	pg/uL	1.000	0.8701	87	52-186	c- u
Decachlorobiphenyl (PCB)	B	44.94	pg/uL	1.000	0.8987	90	50-150	c- u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_080922063)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	2659137	1362233	-48.77
1-bromo-2-nitrobenzene (PCB)	A	7252655	3329357	**-54.09 ***

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

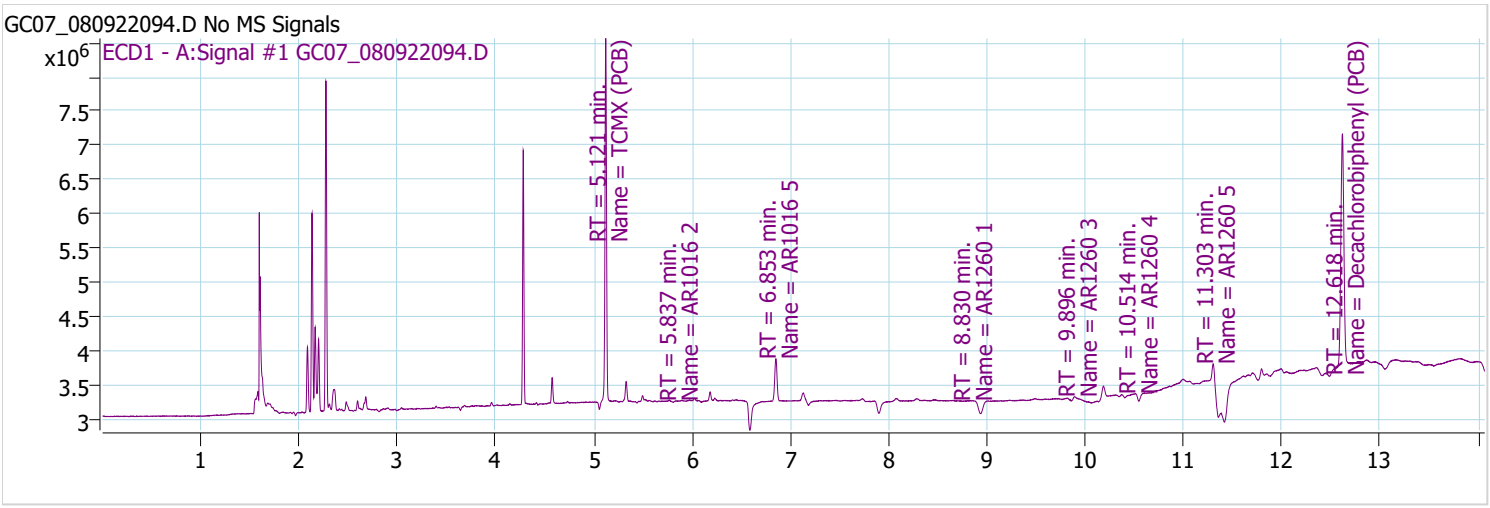
ISTD (CCV gc07_080922063)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.45	4.45	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.28	4.28	0.00

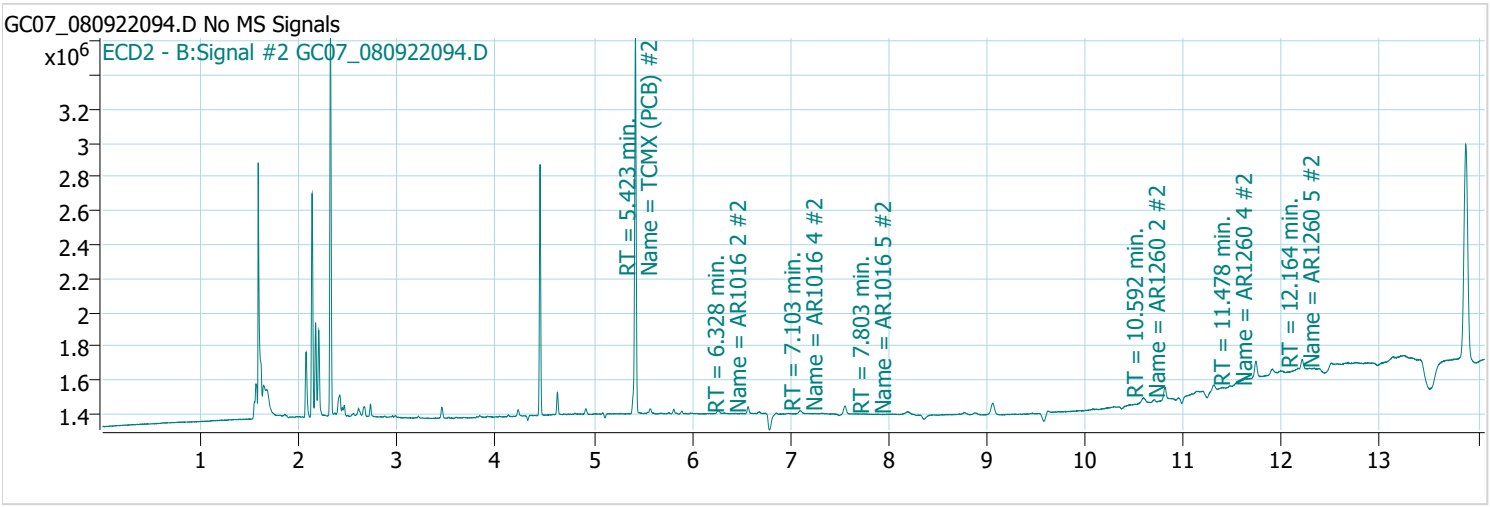
Analyst: TRN 08/10/22

Reviewer: SLL 08/11/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_080922094.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	8/10/2022 2:38:46 PM
Sample Name	466919-006, 294557, 1	Instrument	SVOA-GC07
Vial	43	Multiplier	1.00
DA Method File	PCB_608_080822_GC07_1.m	Comment	WIPE/1DM2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	080922PCB.batch.bin	Last Calib Update	8/9/2022 3:43:56 PM
Ref Library			



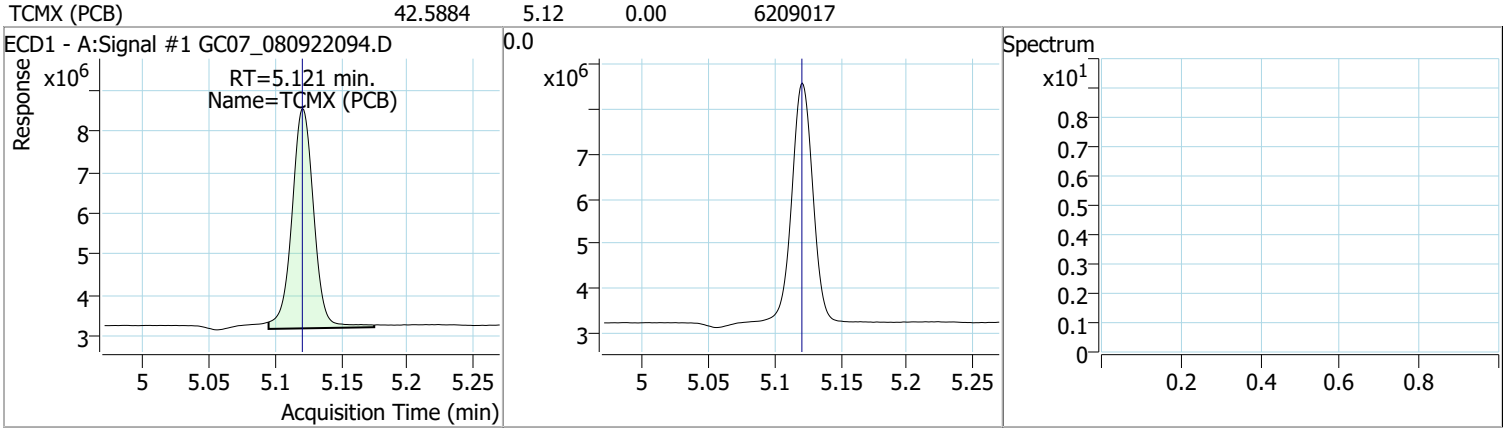


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.282	0.0	3329356.912	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.453	0.0	1362233.151	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.121	0.0	6209016.952	42.5884	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 212.94%		*	
S TCMX (PCB) #2	5.423	0.0	2502665.404	43.4793	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 217.40%		*	
S Decachlorobiphenyl (PCB)	12.618	0.0	7657792.555	64.6155	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 323.08%		*	
S Decachlorobiphenyl (PCB) #2	13.873	0.0	3433039.013	44.9114	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 224.56%		*	
Target Compounds							QValue

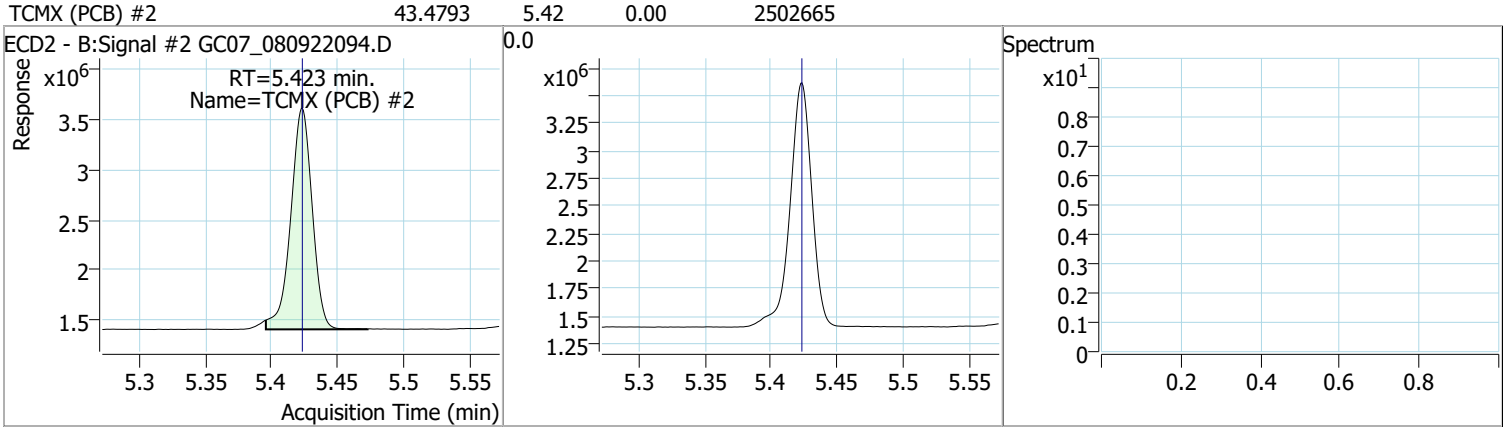
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.458	0.0	23548.794	7.8923	ng/ml	100
T AR1016 2	5.837	0.0	23126.956	3.8769	ng/ml	100
T AR1016 1 #2	5.893	0.0	24249.262	19.8742	ng/ml	100
T AR1016 3	6.344	0.0	15245.636	0.0000	ng/ml	100
T AR1016 2 #2	6.328	0.0	5919.980	2.2620	ng/ml	100
T AR1016 4	6.450	0.0	37968.508	7.9490	ng/ml	100
T AR1016 3 #2	6.858	0.0	628811.385	197.7256	ng/ml	100
T AR1016 5	6.853	0.0	1046370.441	250.2037	ng/ml	100
T AR1016 4 #2	7.103	0.0	50333.702	21.8512	ng/ml	100
T AR1016 5 #2	7.803	0.0	945.355	0.5292	ng/ml	100
T AR1260 1	8.830	0.0	524936.161	63.1903	ng/ml	100
T AR1260 2	9.495	0.0	70556.132	5.6543	ng/ml	100
T AR1260 3	9.896	0.0	285827.610	20.9497	ng/ml	100
T AR1260 1 #2	10.211	0.0	4007.252	1.0446	ng/ml	100
T AR1260 4	10.514	0.0	457151.536	73.8552	ng/ml	100
T AR1260 2 #2	10.592	0.0	98527.865	22.5558	ng/ml	100
T AR1260 3 #2	10.951	0.0	51749.335	8.8456	ng/ml	100
T AR1260 5	11.303	0.0	2198148.913	269.7176	ng/ml	100
T AR1260 4 #2	11.478	0.0	12590.942	4.3873	ng/ml	100
T AR1260 5 #2	12.164	0.0	32896.974	7.0998	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

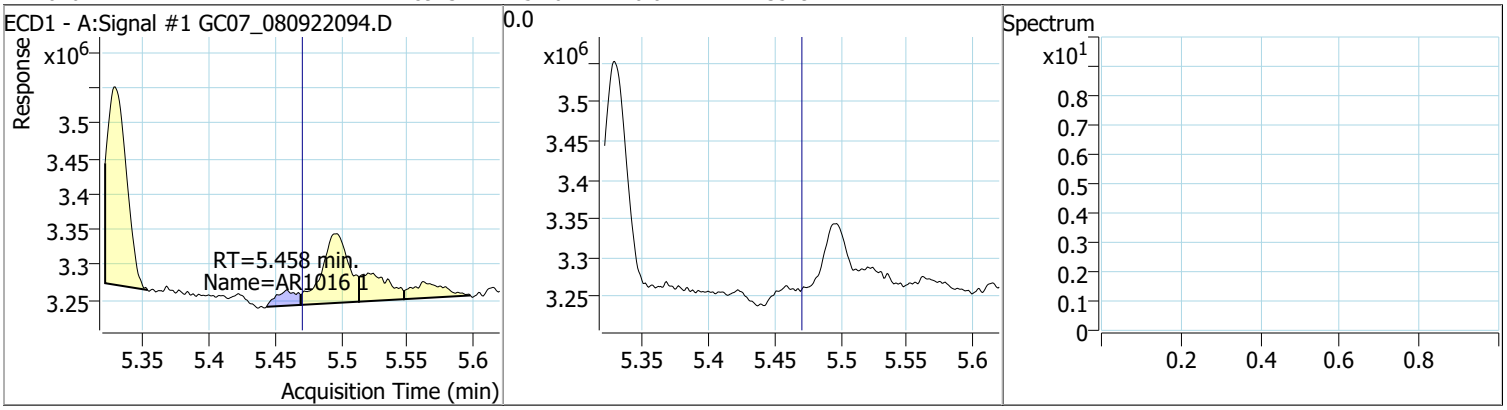
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	42.5884	5.12	0.00	6209017				



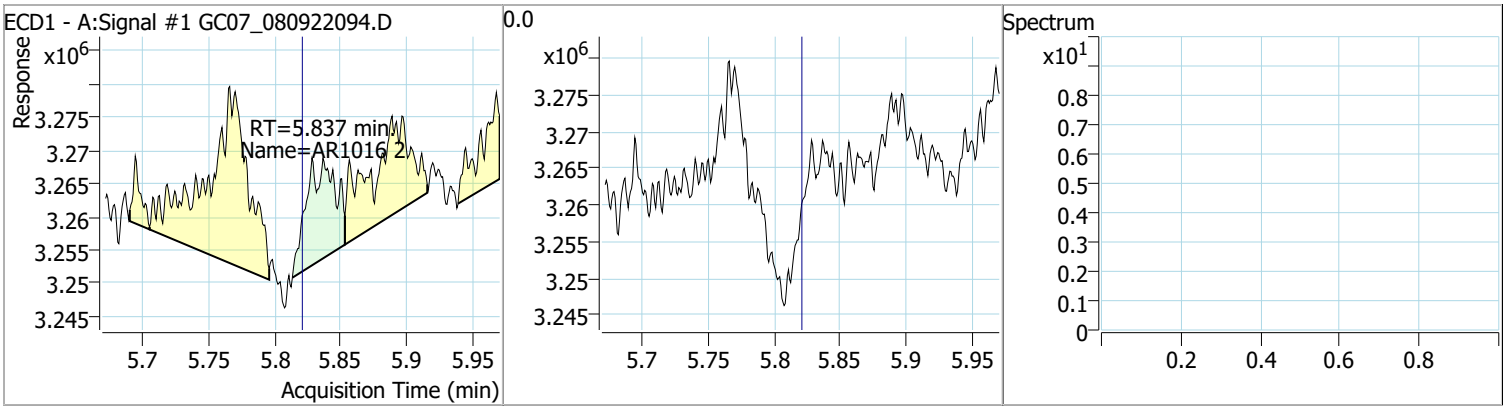
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	43.4793	5.42	0.00	2502665				



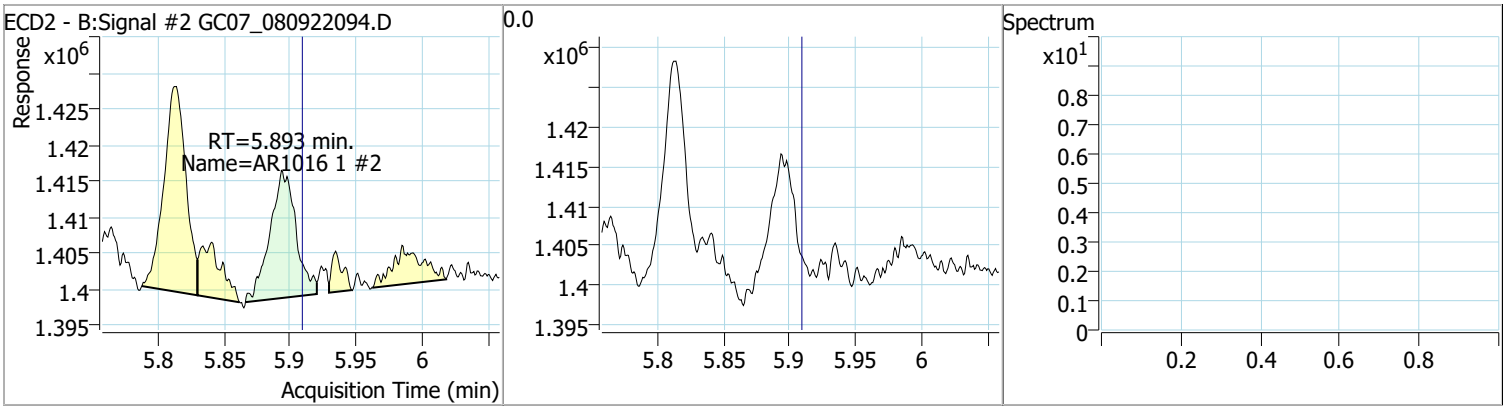
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	7.8923	5.46	-0.01	23549				



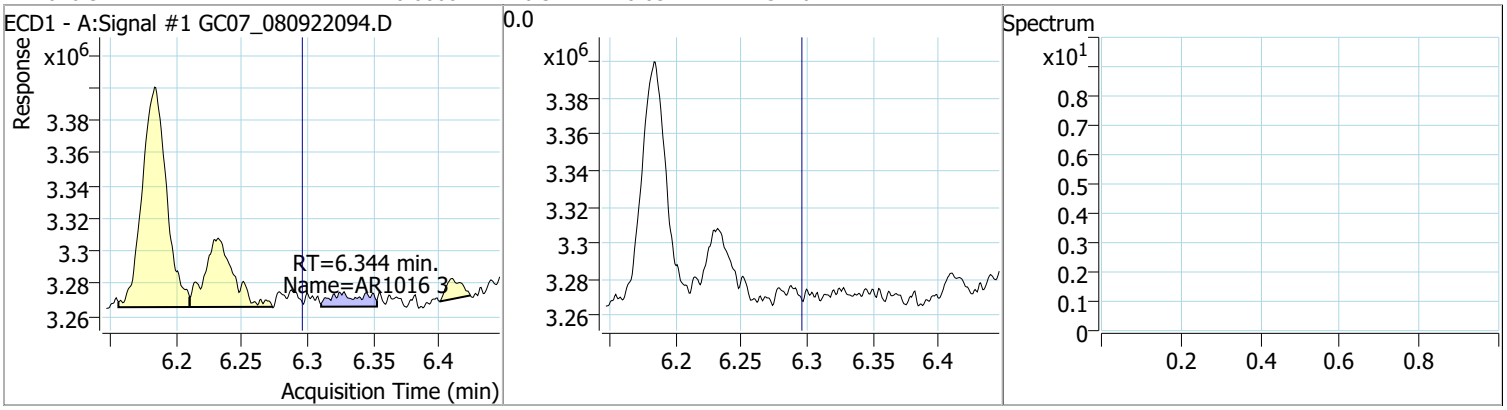
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	3.8769	5.84	0.01	23127				



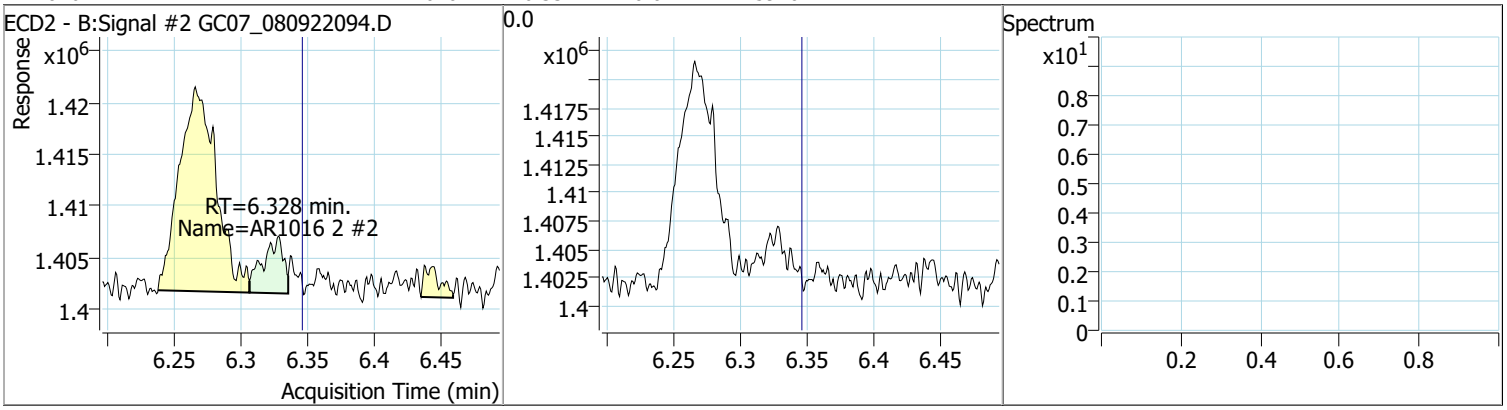
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	19.8742	5.89	-0.02	24249				



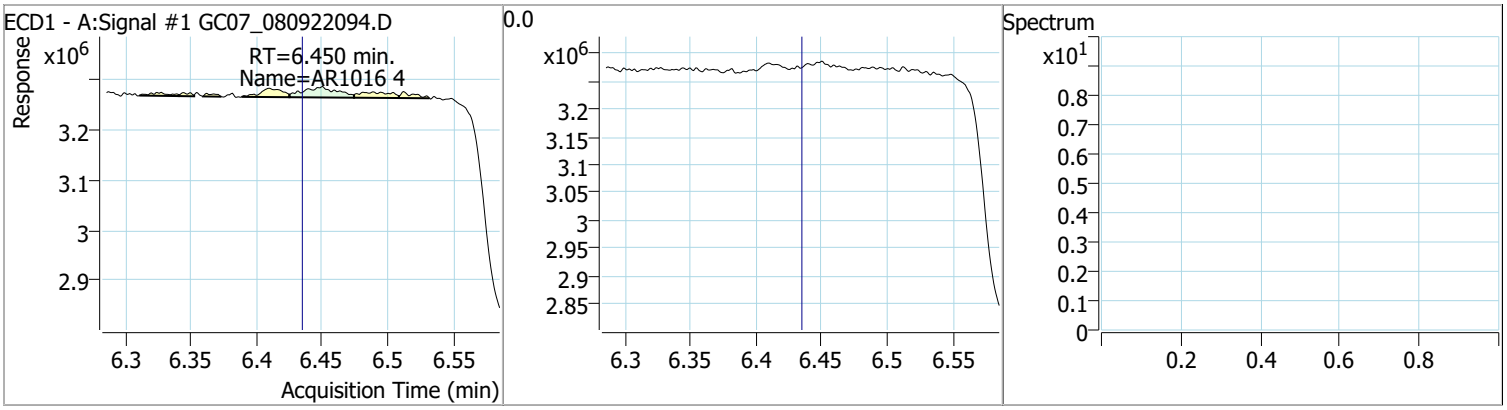
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	0.0000	6.34	0.05	15246				



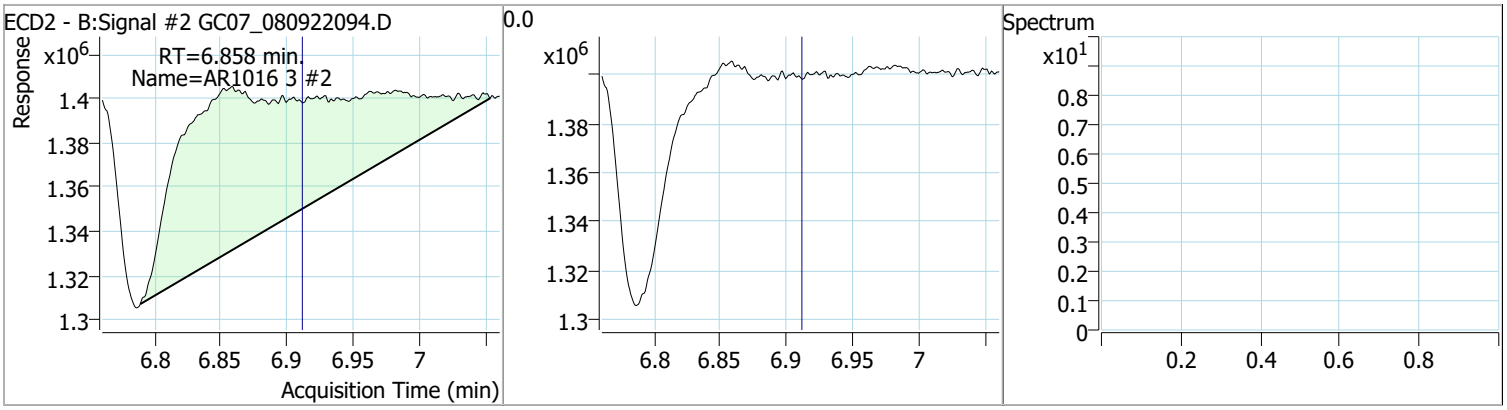
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	2.2620	6.33	-0.02	5920				



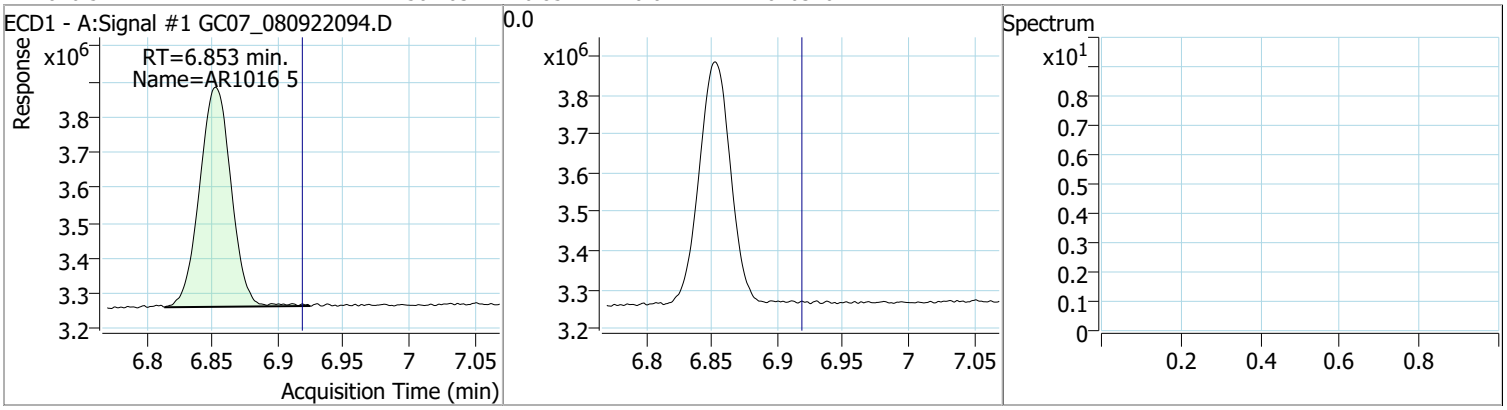
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	7.9490	6.45	0.01	37969				



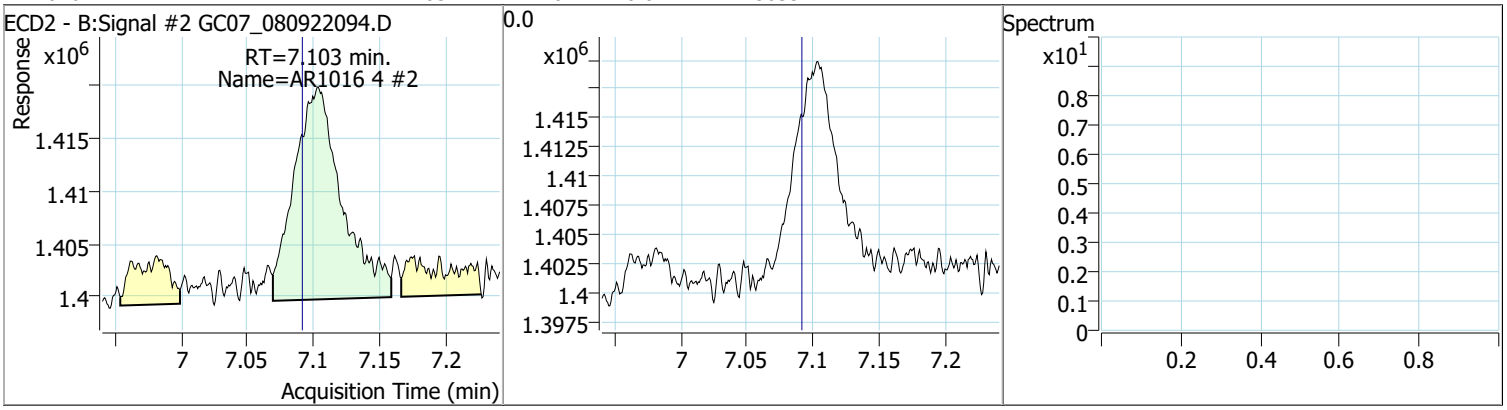
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	197.7256	6.86	-0.05	628811				



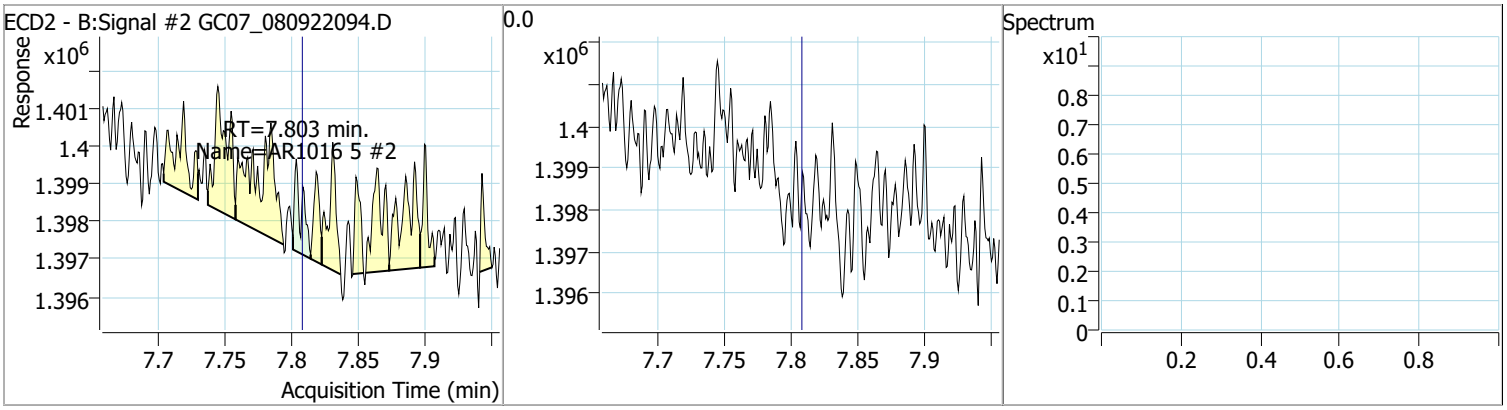
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	250.2037	6.85	-0.07	1046370				



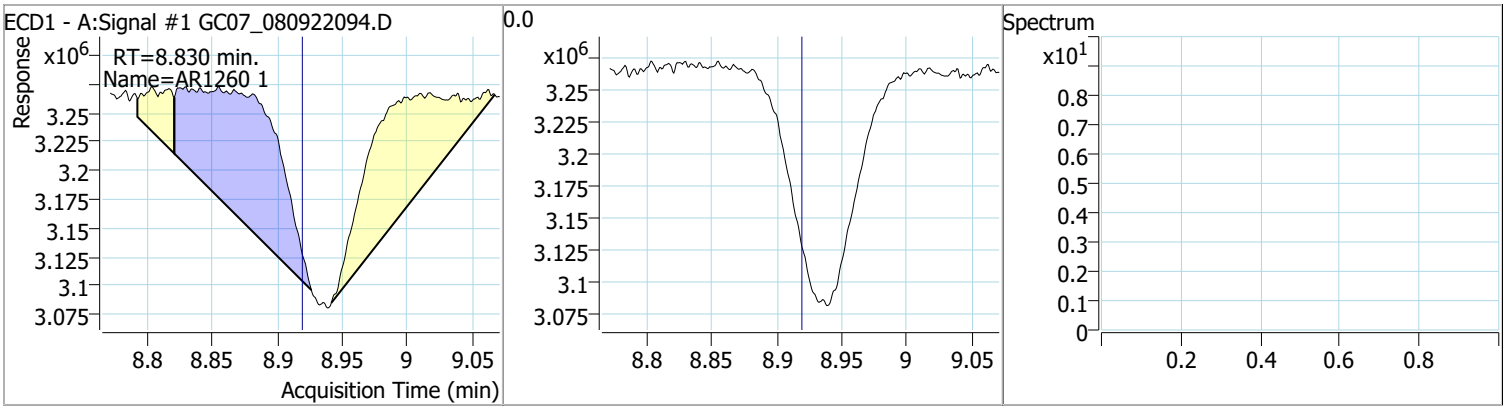
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	21.8512	7.10	0.01	50334				



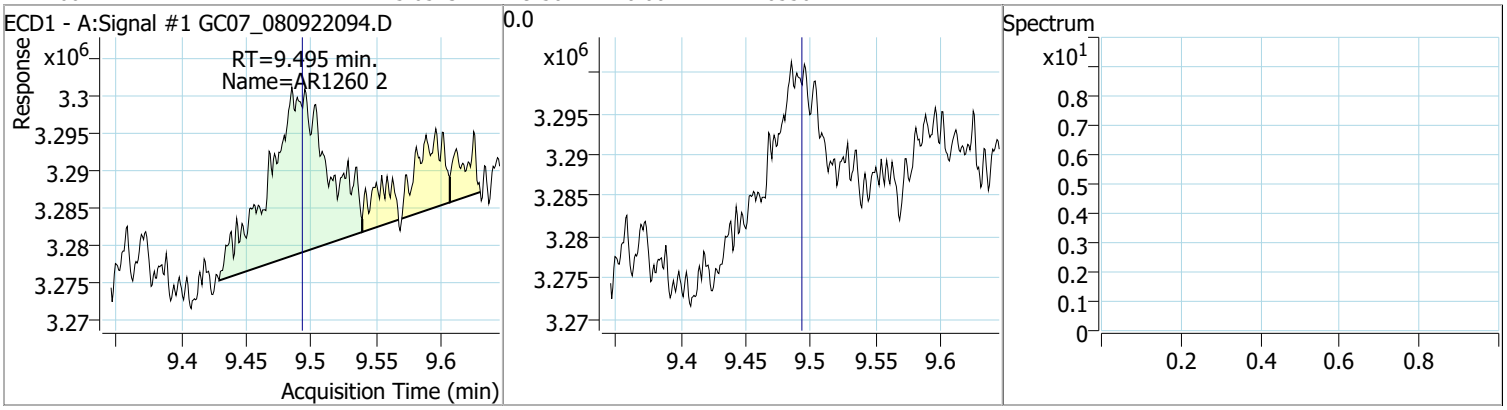
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.5292	7.80	0.00	945				



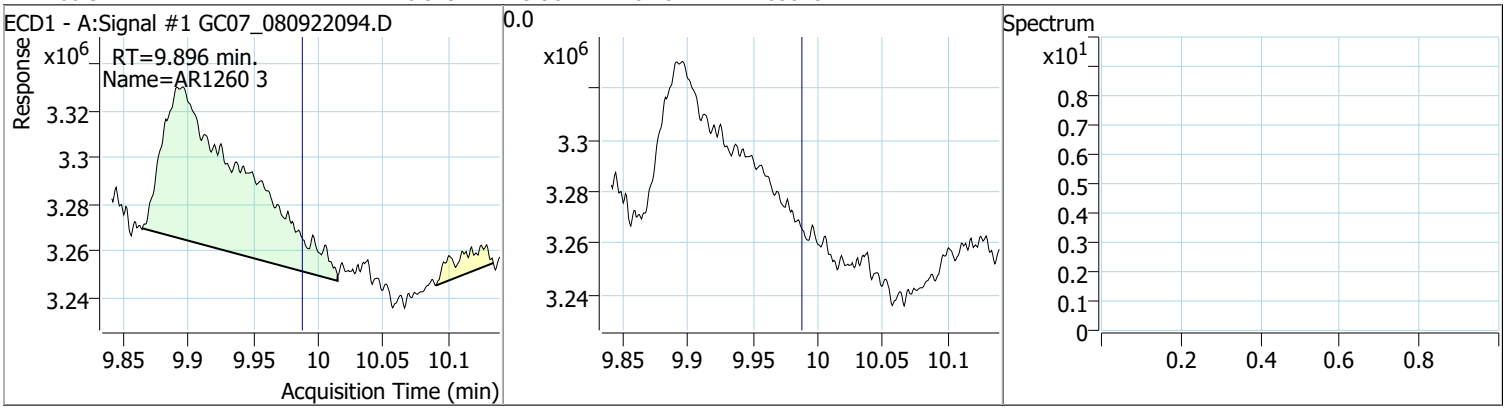
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	63.1903	8.83	-0.09	524936				



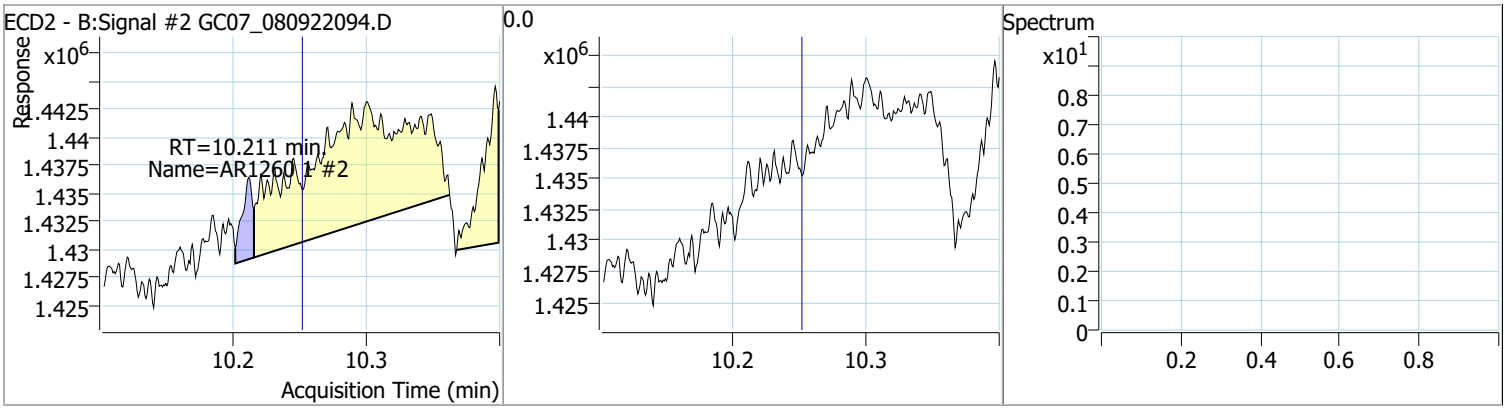
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	5.6543	9.50	0.00	70556				



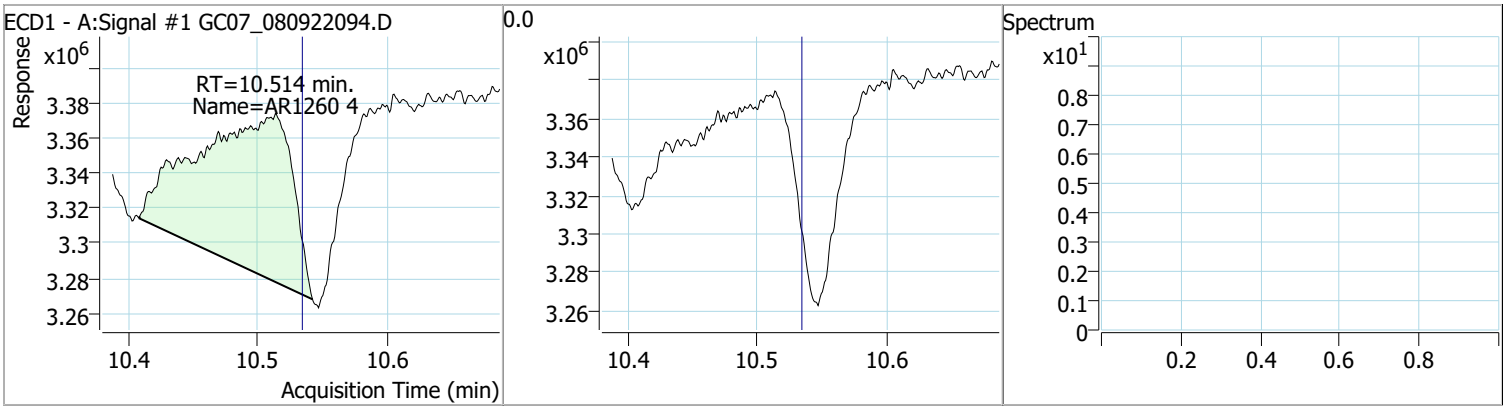
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	20.9497	9.90	-0.10	285828				



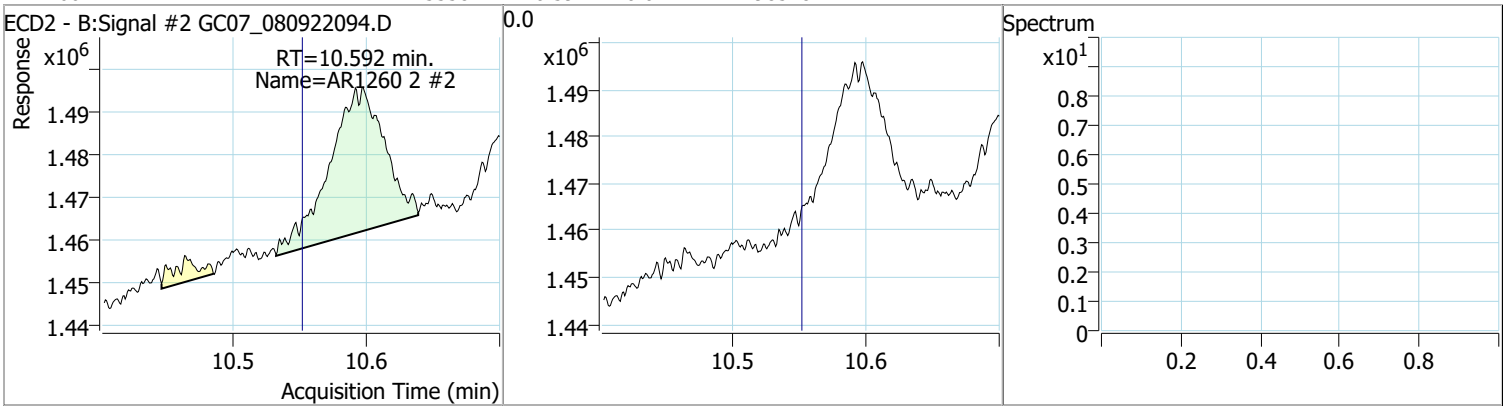
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1.0446	10.21	-0.04	4007				



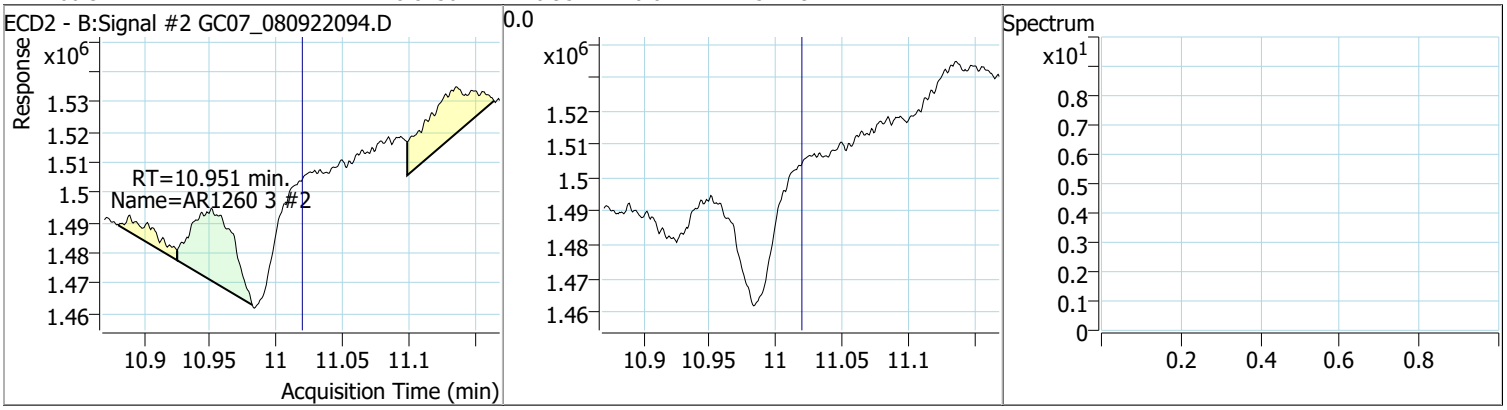
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	73.8552	10.51	-0.03	457152				



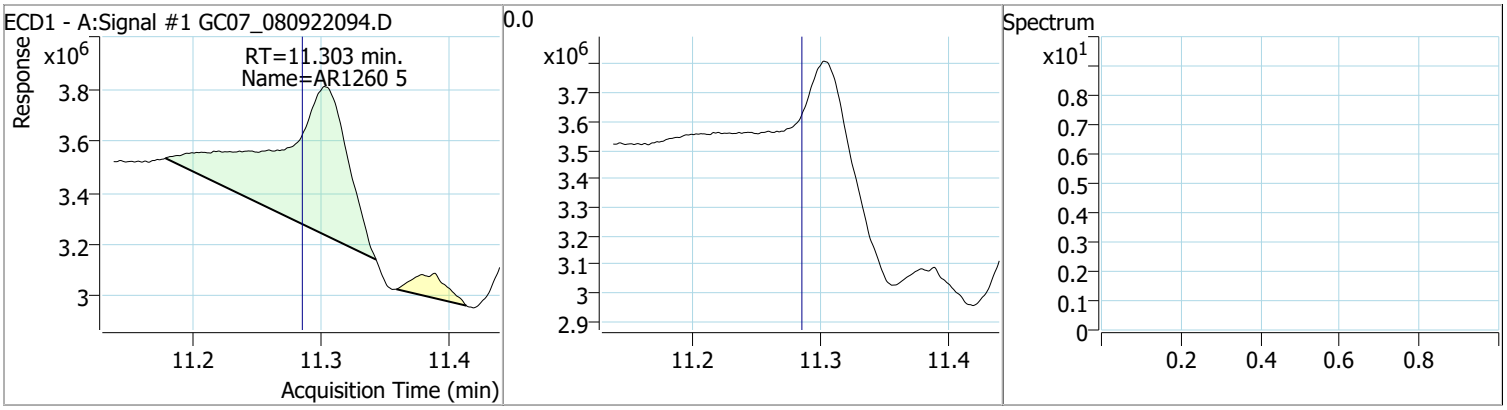
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	22.5558	10.59	0.04	98528				



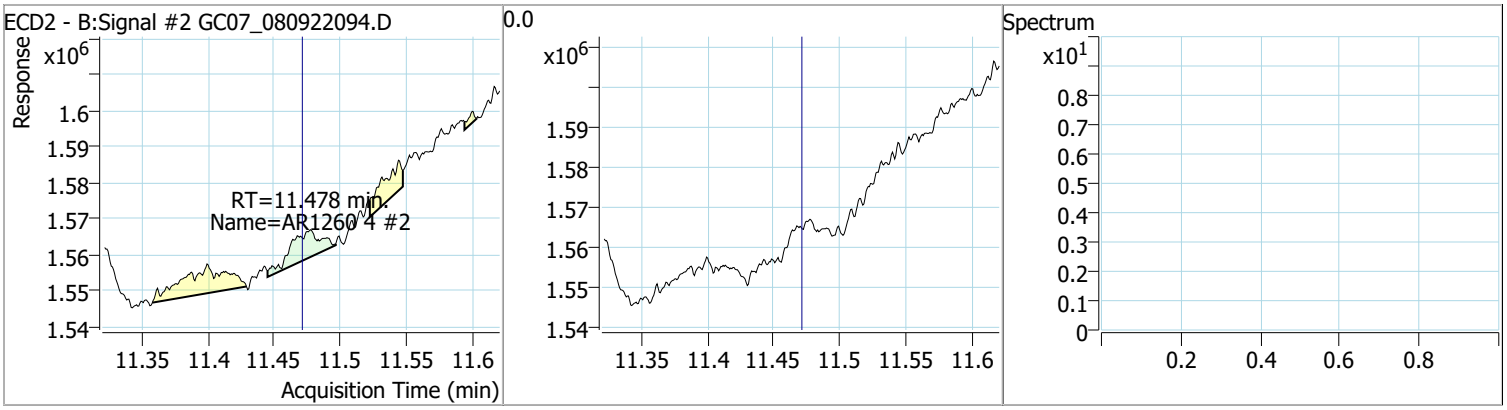
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	8.8456	10.95	-0.07	51749				



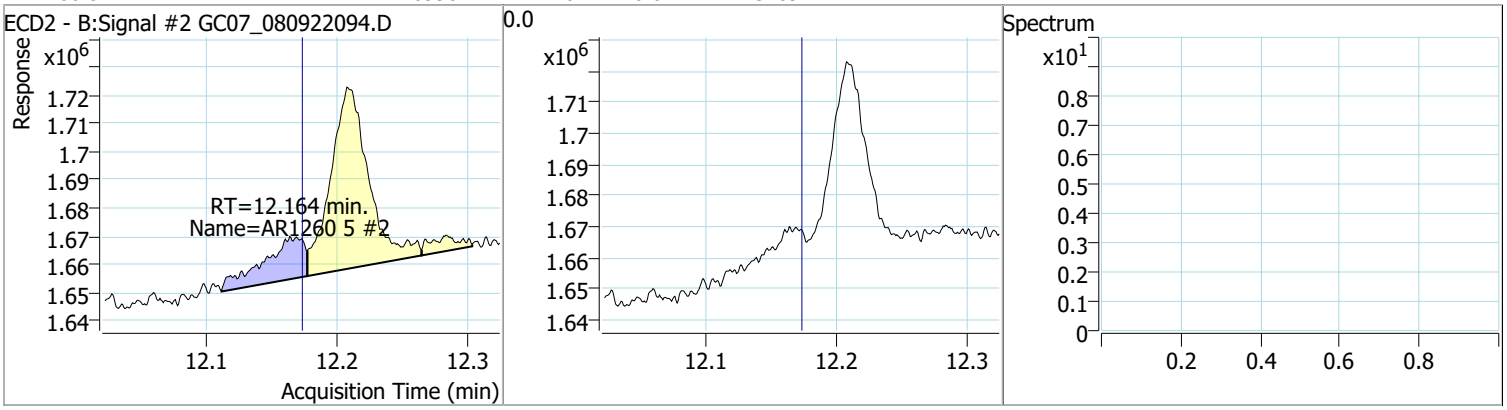
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	269.7176	11.30	0.01	2198149				



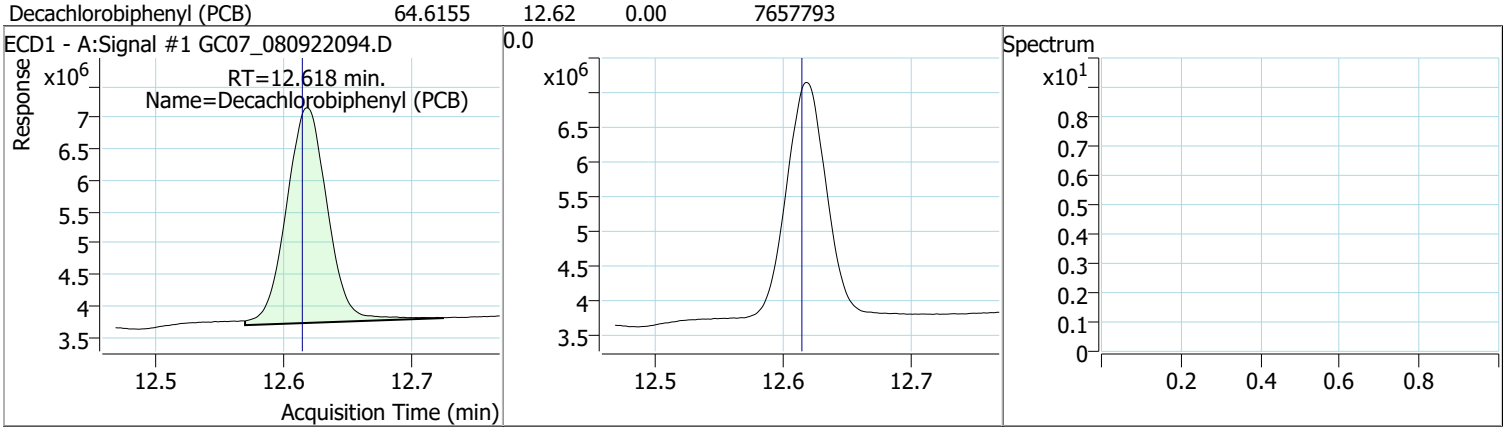
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	4.3873	11.48	0.01	12591				



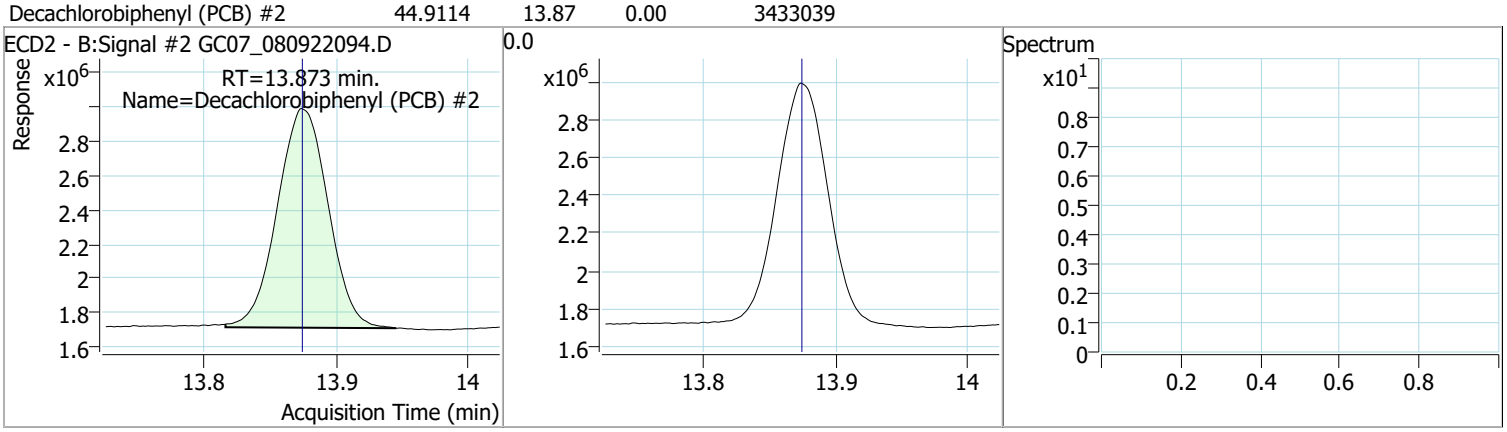
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	7.0998	12.16	-0.01	32897				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	64.6155	12.62	0.00	7657793				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	44.9114	13.87	0.00	3433039				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	466919-008	Client ID:	DOOR-N-0.8GE-INT-20 TO 21-220805-P-CB
Seqnum:	462319236096	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_080922096	Batch:	294557	Time:	10-AUG-2022 15:13
Cal:	462317638001	Caldate:	08-AUG-2022		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	39.23	ug/L	ND	0.90	13%	1.0		u
Aroclor-1016 Peak # 1	B	10.65	ug/L	0.21	1.06	133%			
Aroclor-1016 Peak # 2	B	2.163	ug/L	0.04	0.16	113%			
Aroclor-1016 Peak # 3	B	166.8	ug/L	3.34	ND	360%			
Aroclor-1016 Peak # 4	B	15.98	ug/L	0.32	0.11	94%			
Aroclor-1016 Peak # 5	B	0.5064	ug/L	0.01	4.11	199%			
Aroclor-1221	B			ND			1.0		u
Aroclor-1232	B			ND			1.0		u
Aroclor-1242	B			ND			1.0		u
Aroclor-1248	B			ND			1.0		u
Aroclor-1254	B			ND			1.0		u
Aroclor-1260	B	12.73	ug/L	ND	0.87	110%	1.0		u
Aroclor-1260 Peak # 1	B	22.82	ug/L	0.46	1.46	104%			
Aroclor-1260 Peak # 2	B	14.41	ug/L	0.29	0.11	88%			
Aroclor-1260 Peak # 3	B	7.520	ug/L	0.15	0.20	26%			
Aroclor-1260 Peak # 4	B	7.748	ug/L	0.15	1.41	160%			
Aroclor-1260 Peak # 5	B	11.14	ug/L	0.22	1.20	137%			
Aroclor-1262	B			ND			1.0		u
Aroclor-1268	B			ND			1.0		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	40.87	pg/uL	1.000	0.8174	82	52-186	c- u
Decachlorobiphenyl (PCB)	B	37.66	pg/uL	1.000	0.7532	75	50-150	c- u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_080922063)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	2659137	1598891	-39.87
1-bromo-2-nitrobenzene (PCB)	A	7252655	3797332	-47.64

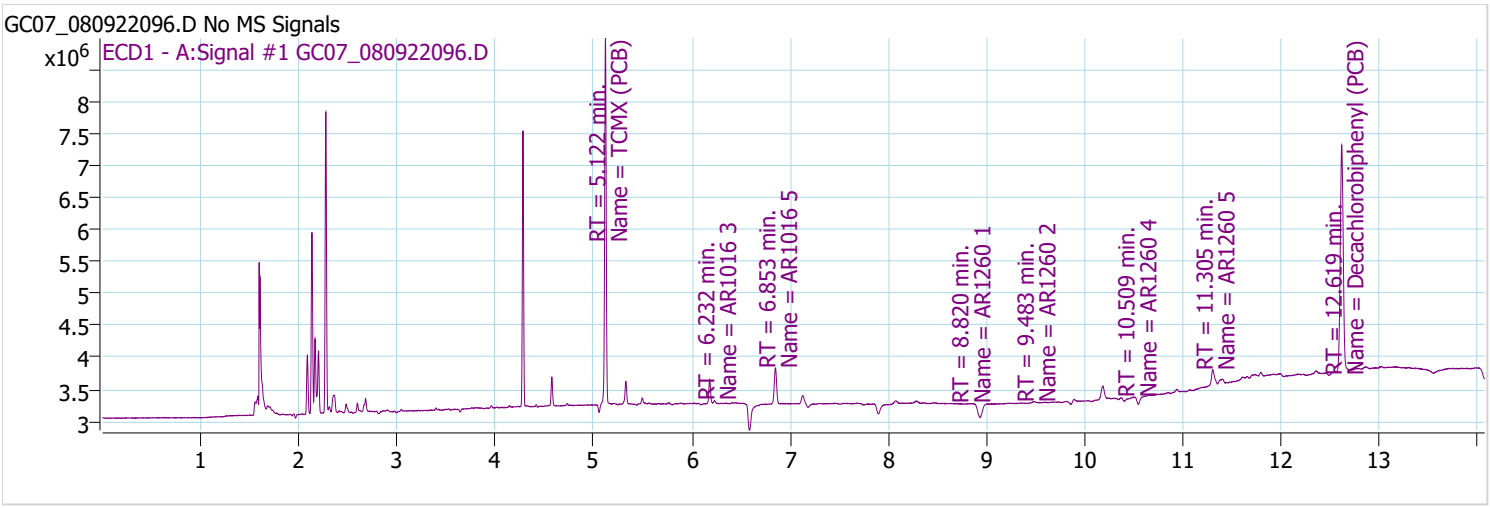
NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

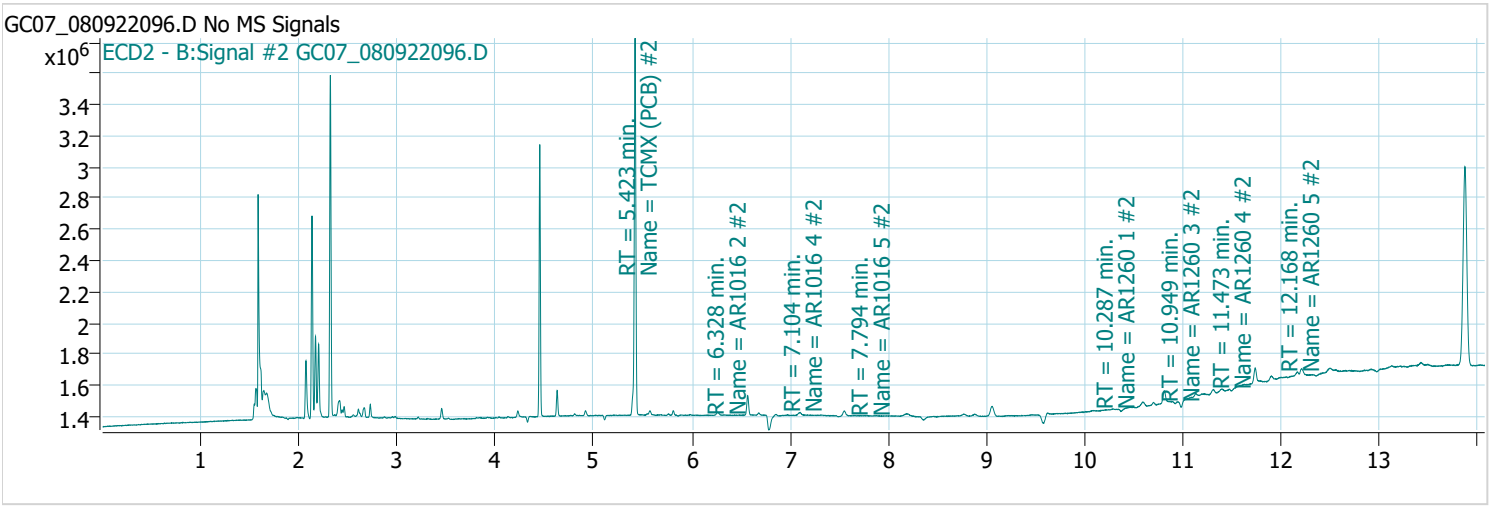
ISTD (CCV gc07_080922063)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.45	4.45	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.28	4.28	0.00

Analyst: TRN 08/10/22 **Reviewer:** SLL 08/11/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_080922096.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	8/10/2022 3:13:53 PM
Sample Name	466919-008, 294557, 1	Instrument	SVOA-GC07
Vial	44	Multiplier	1.00
DA Method File	PCB_608_080822_GC07_1.m	Comment	WIPE/1DM2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	080922PCB.batch.bin	Last Calib Update	8/9/2022 3:43:56 PM
Ref Library			



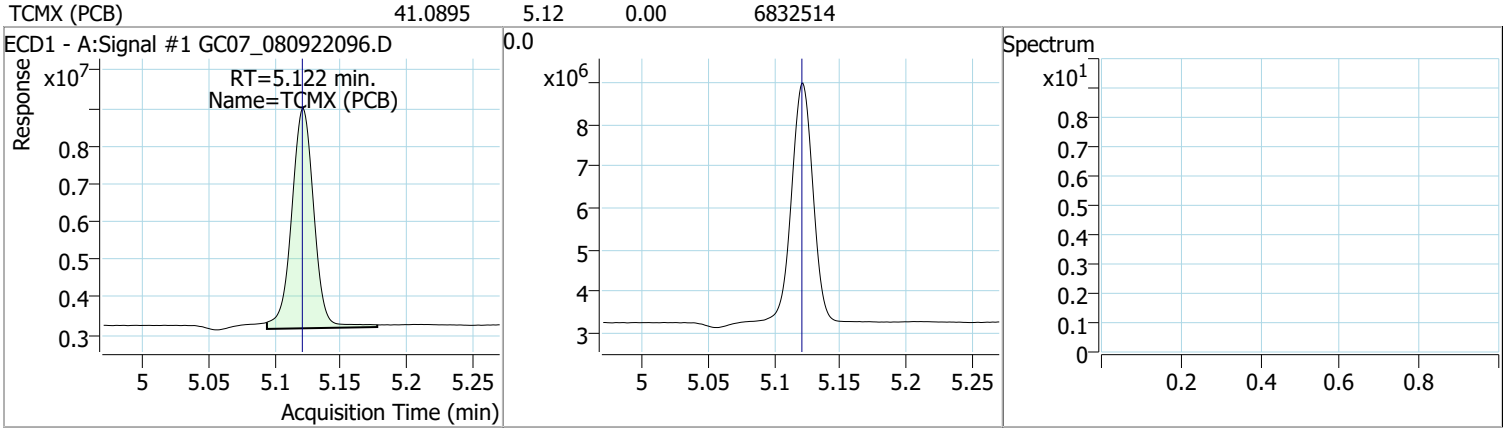


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.282	0.0	3797331.572	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.453	0.0	1598890.629	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.122	0.0	6832513.682	41.0895	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 205.45%		*	
S TCMX (PCB) #2	5.423	0.0	2759398.785	40.8438	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 204.22%		*	
S Decachlorobiphenyl (PCB)	12.619	0.0	7430129.201	54.5488	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 272.74%		*	
S Decachlorobiphenyl (PCB) #2	13.873	0.0	3376840.489	37.6375	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 188.19%		*	
Target Compounds							QValue

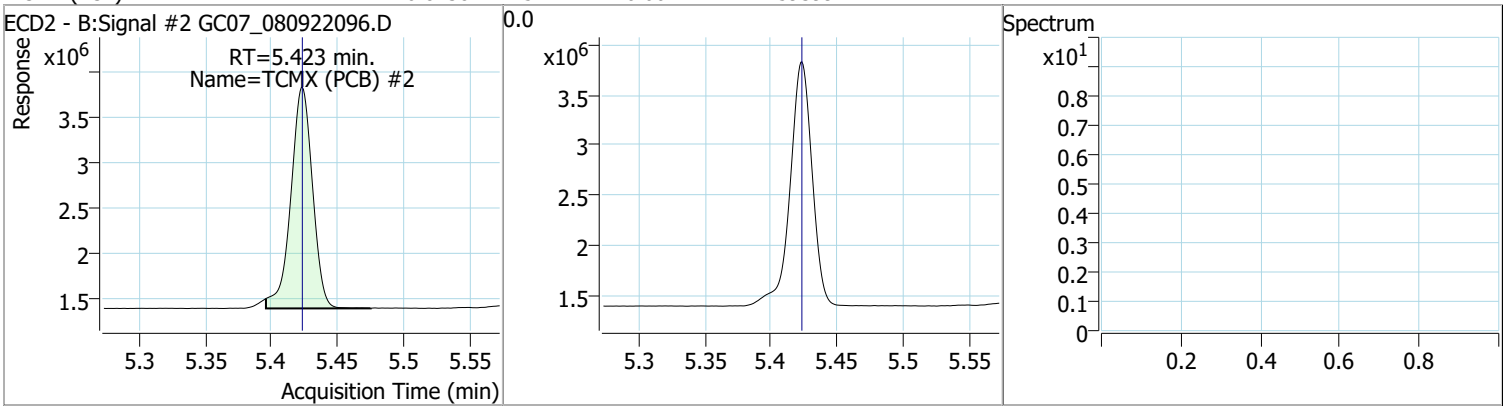
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.497	0.0	179479.991	52.7394	ng/ml	100
T AR1016 2	5.770	0.0	52772.977	7.7565	ng/ml	100
T AR1016 1 #2	5.901	0.0	15245.418	10.6454	ng/ml	100
T AR1016 3	6.232	0.0	67139.698	0.0000	ng/ml	100
T AR1016 2 #2	6.328	0.0	6639.423	2.1614	ng/ml	100
T AR1016 4	6.448	0.0	31306.635	5.7465	ng/ml	100
T AR1016 3 #2	6.858	0.0	622450.633	166.7554	ng/ml	100
T AR1016 5	6.853	0.0	978916.400	205.2276	ng/ml	100
T AR1016 4 #2	7.104	0.0	43169.261	15.9670	ng/ml	100
T AR1016 5 #2	7.794	0.0	1061.236	0.5061	ng/ml	100
T AR1260 1	8.820	0.0	689172.186	72.7367	ng/ml	100
T AR1260 2	9.483	0.0	79260.022	5.5690	ng/ml	100
T AR1260 3	10.034	0.0	152212.175	9.7815	ng/ml	100
T AR1260 1 #2	10.287	0.0	102716.381	22.8125	ng/ml	100
T AR1260 4	10.509	0.0	496475.496	70.3235	ng/ml	100
T AR1260 2 #2	10.591	0.0	73843.370	14.4027	ng/ml	100
T AR1260 3 #2	10.949	0.0	51611.228	7.5163	ng/ml	100
T AR1260 5	11.305	0.0	558455.010	60.0789	ng/ml	100
T AR1260 4 #2	11.473	0.0	26085.283	7.7440	ng/ml	100
T AR1260 5 #2	12.168	0.0	60524.980	11.1290	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

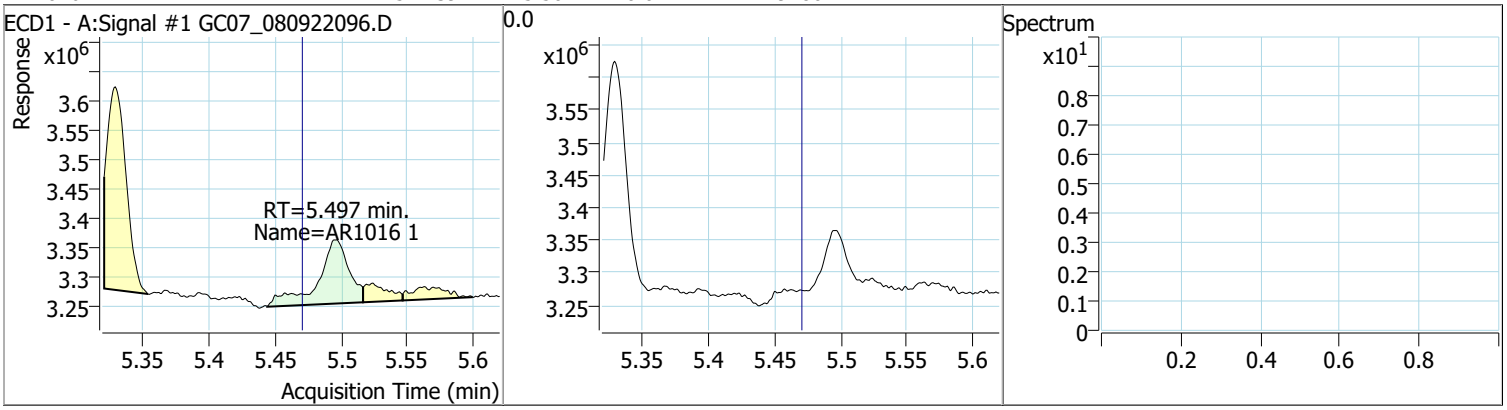
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	41.0895	5.12	0.00	6832514				



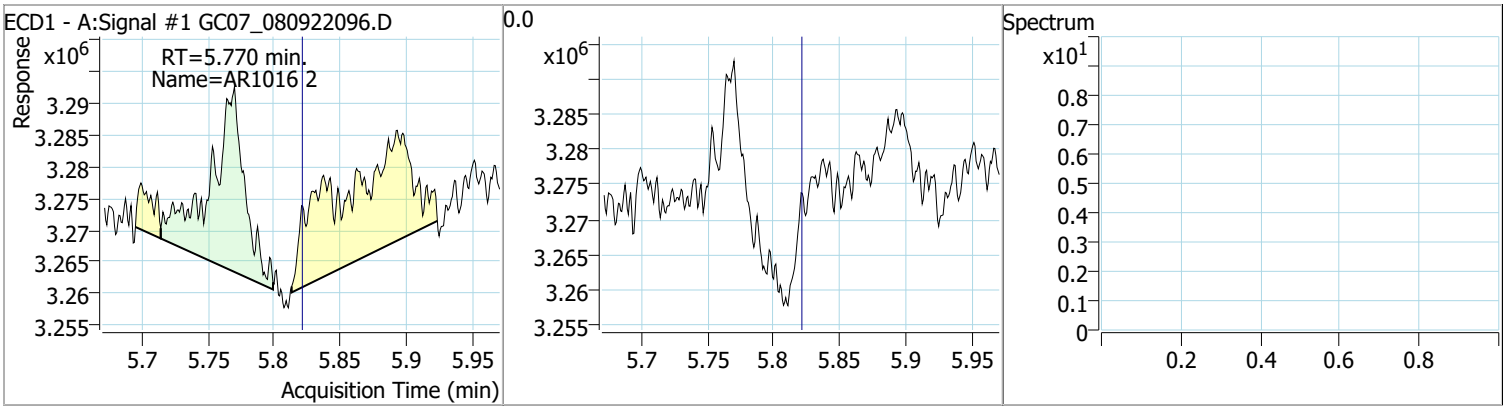
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	40.8438	5.42	0.00	2759399				



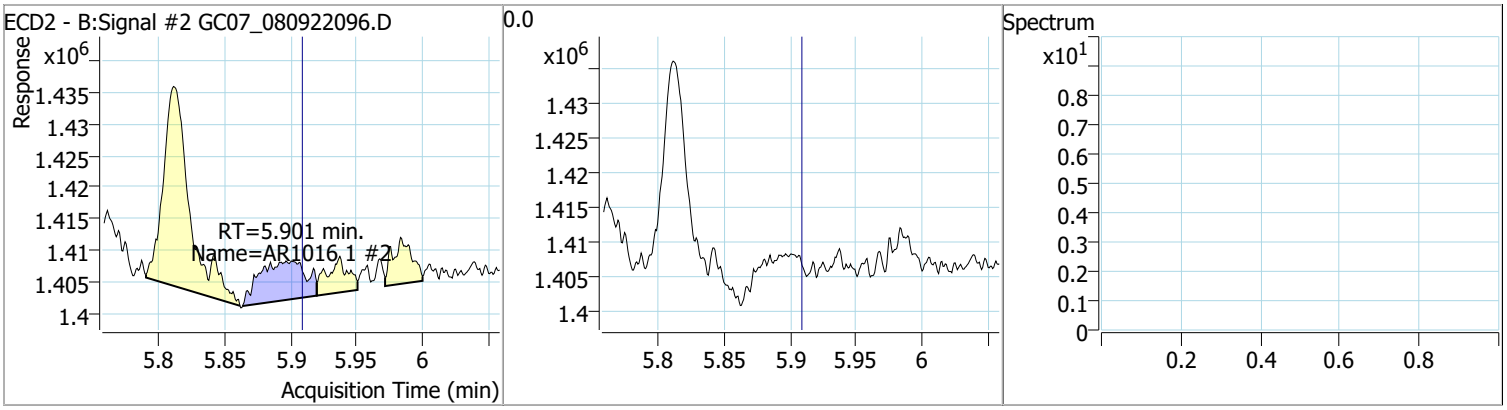
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	52.7394	5.50	0.02	179480				



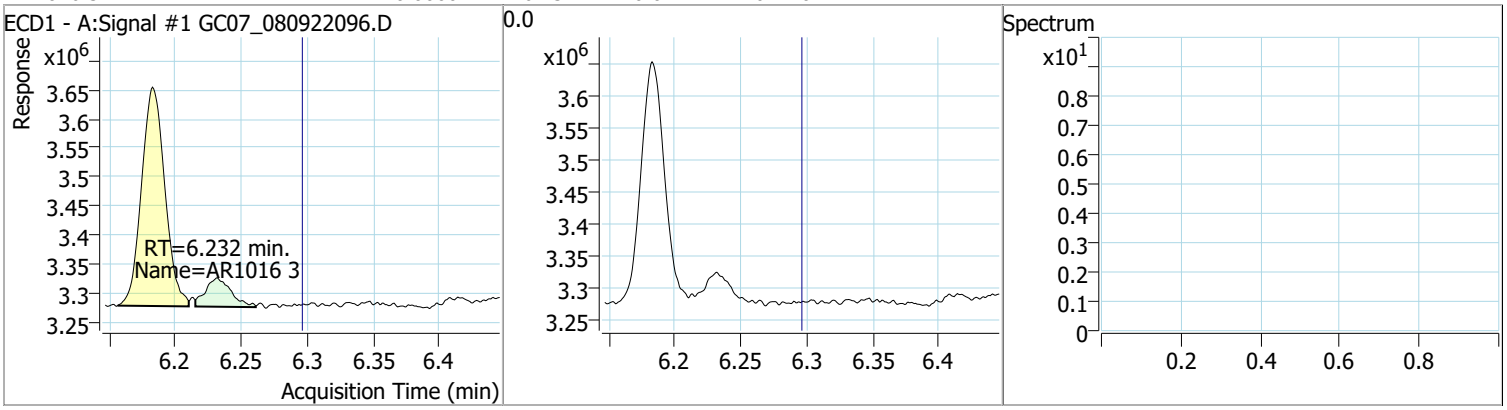
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	7.7565	5.77	-0.05	52773				



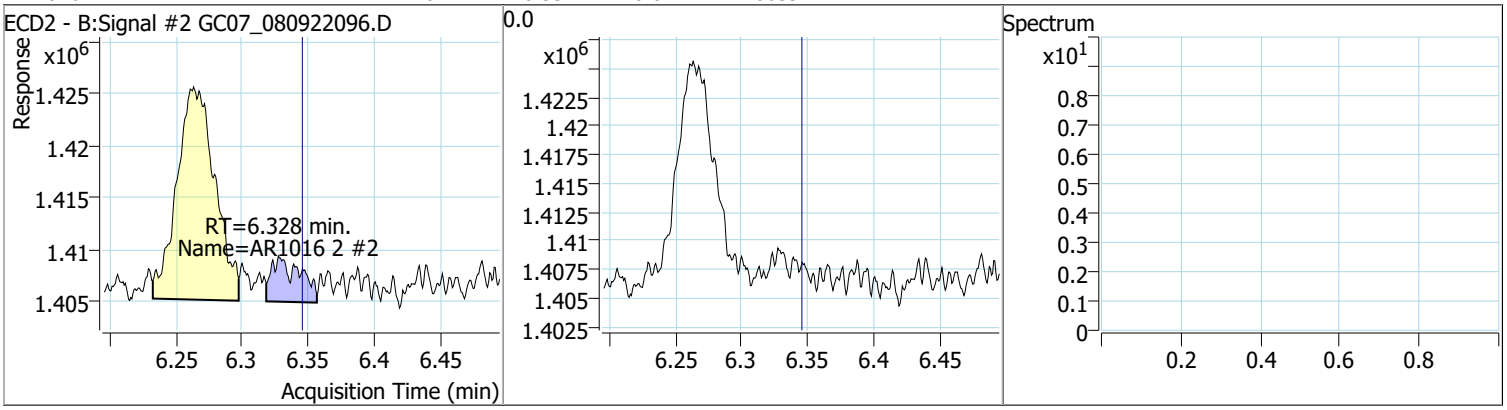
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	10.6454	5.90	-0.01	15245				



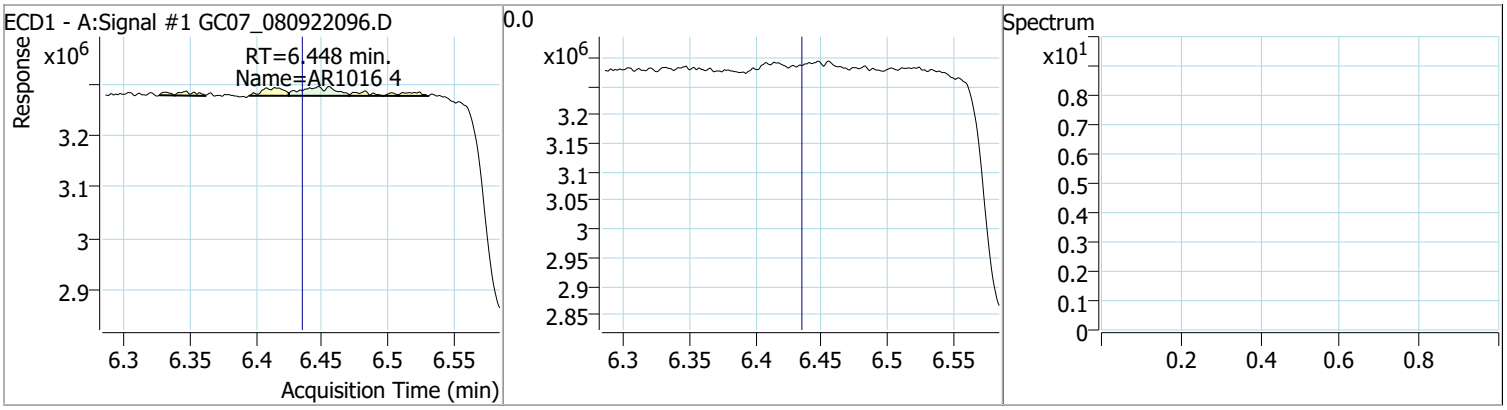
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	0.0000	6.23	-0.07	67140				



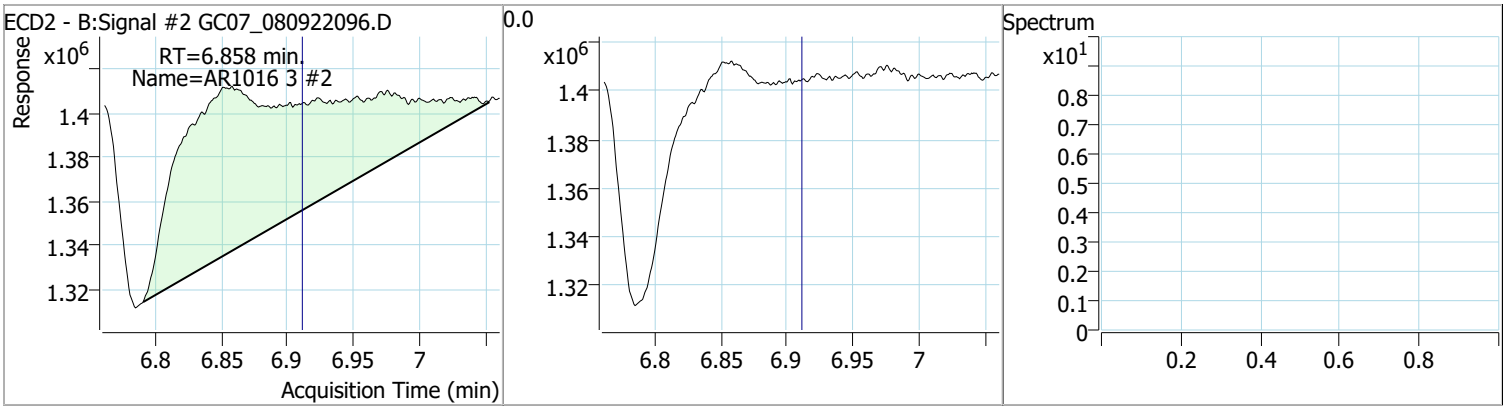
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	2.1614	6.33	-0.02	6639				



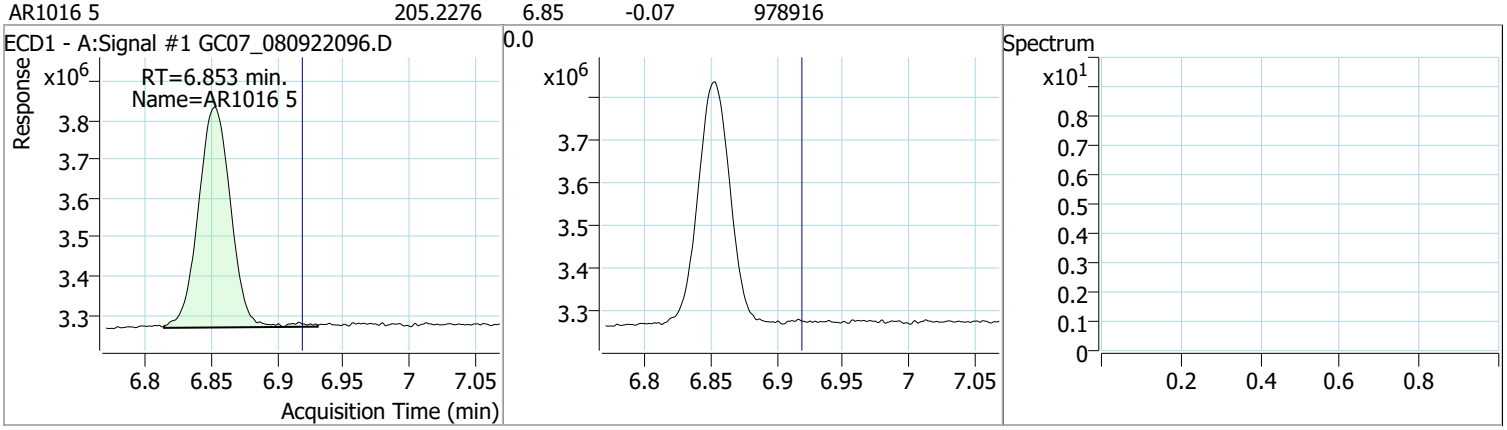
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	5.7465	6.45	0.01	31307				



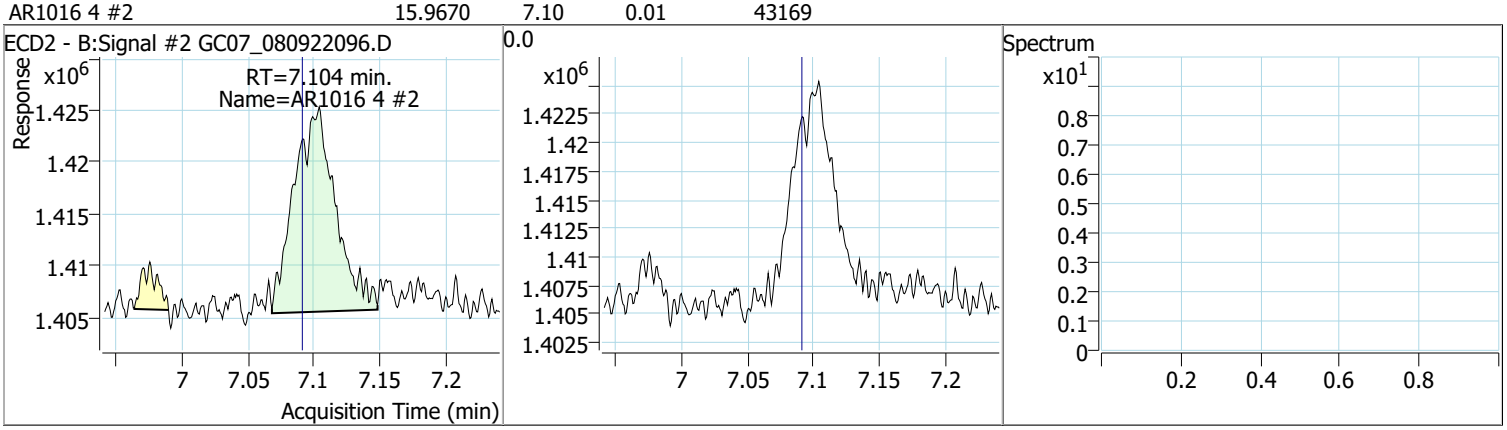
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	166.7554	6.86	-0.05	622451				



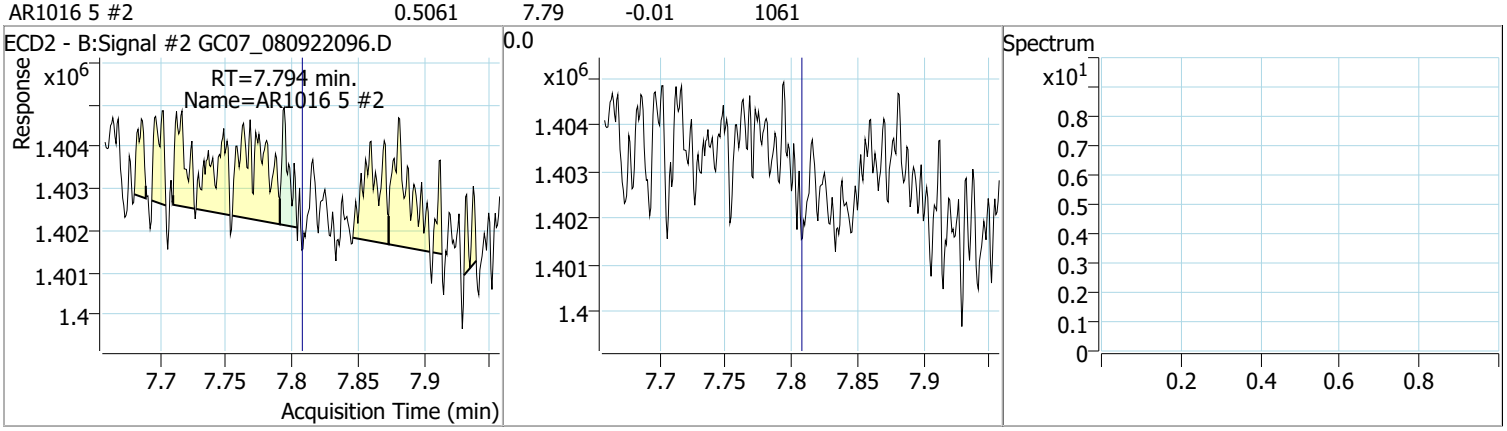
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	205.2276	6.85	-0.07	978916				



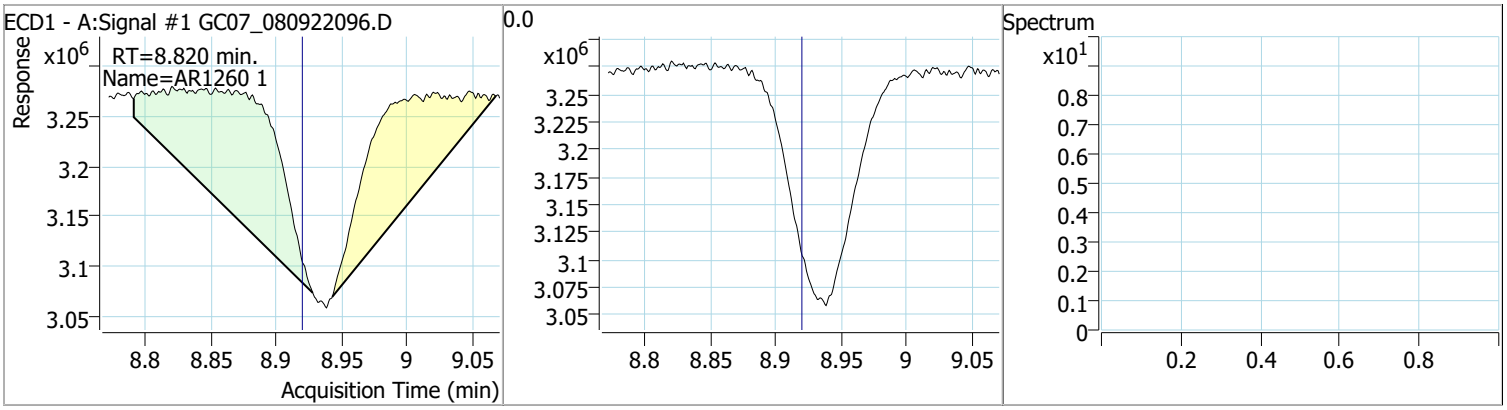
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	15.9670	7.10	0.01	43169				



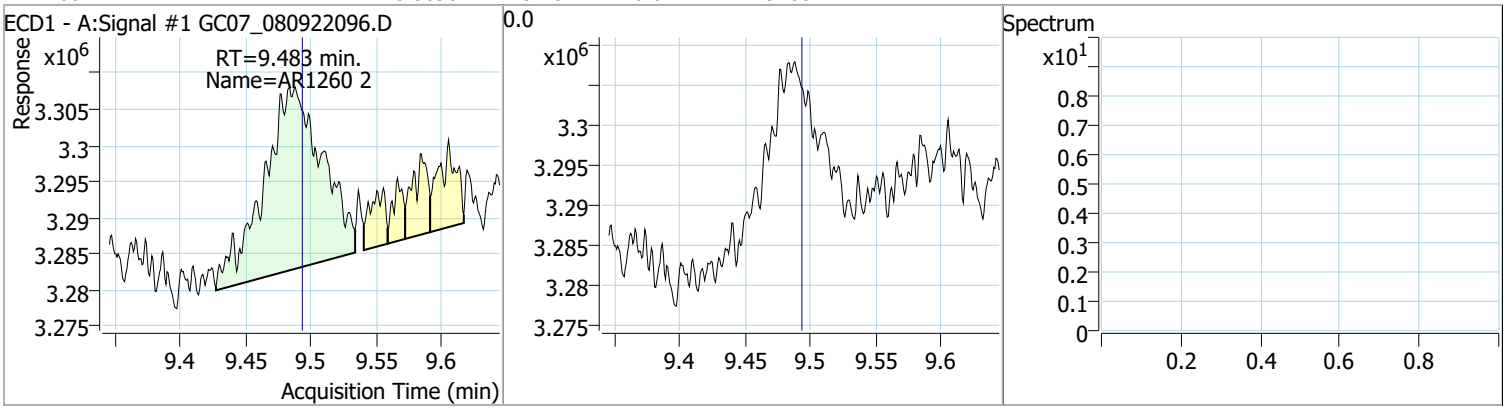
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.5061	7.79	-0.01	1061				



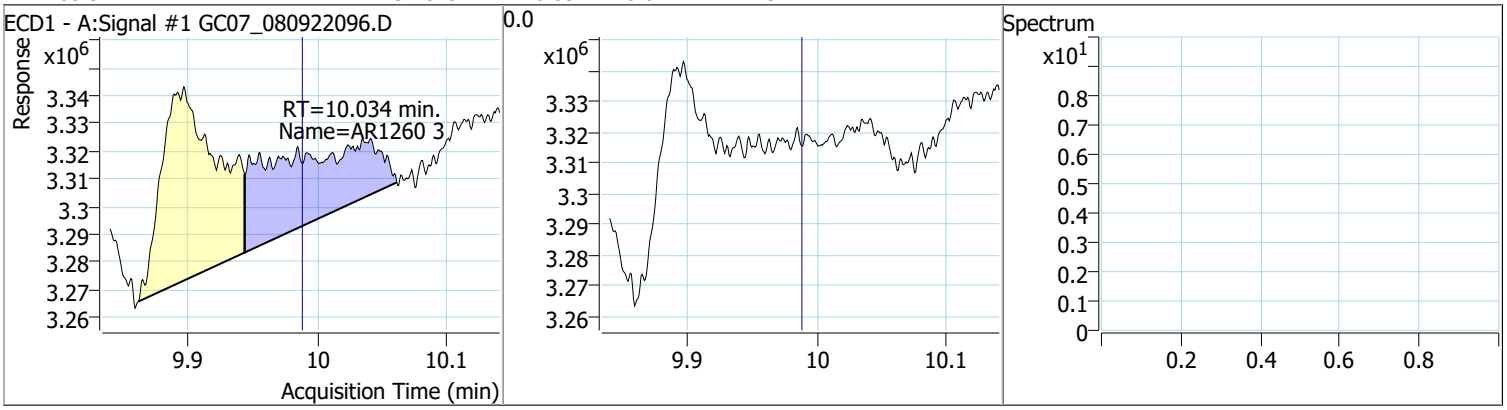
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	72.7367	8.82	-0.10	689172				



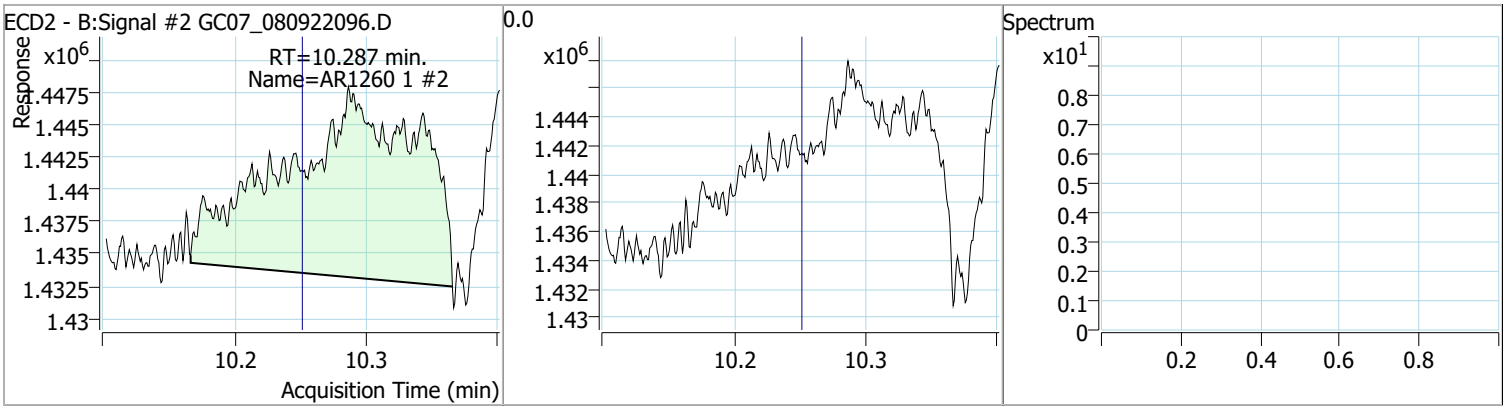
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	5.5690	9.48	-0.01	79260				



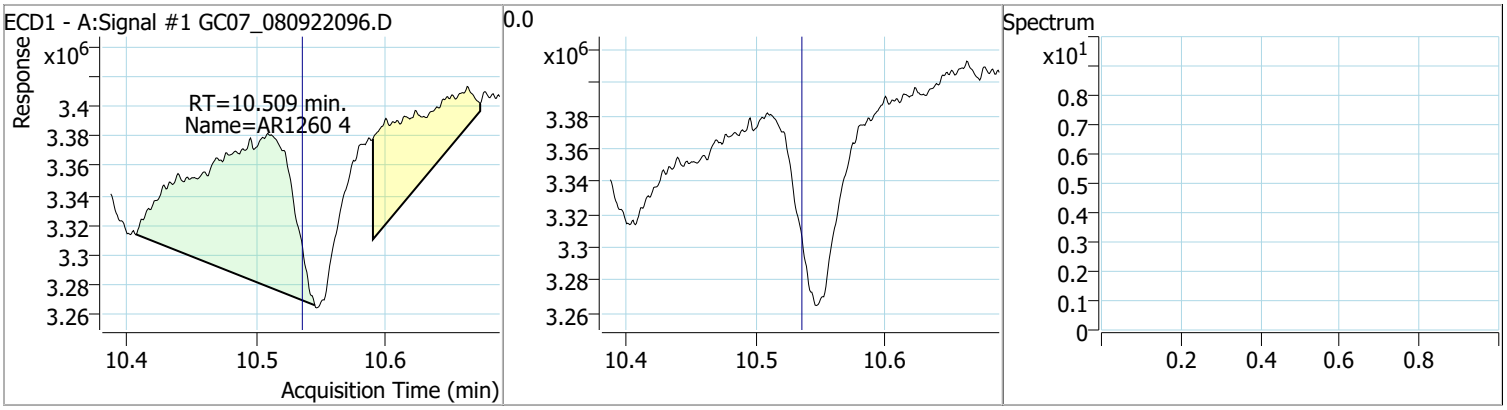
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	9.7815	10.03	0.04	152212				



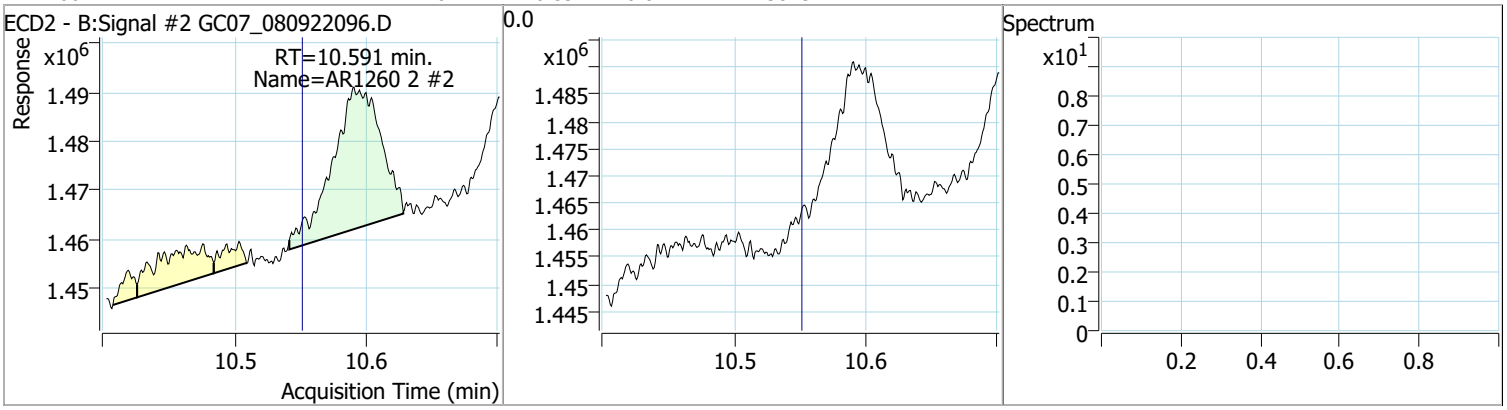
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	22.8125	10.29	0.03	102716				



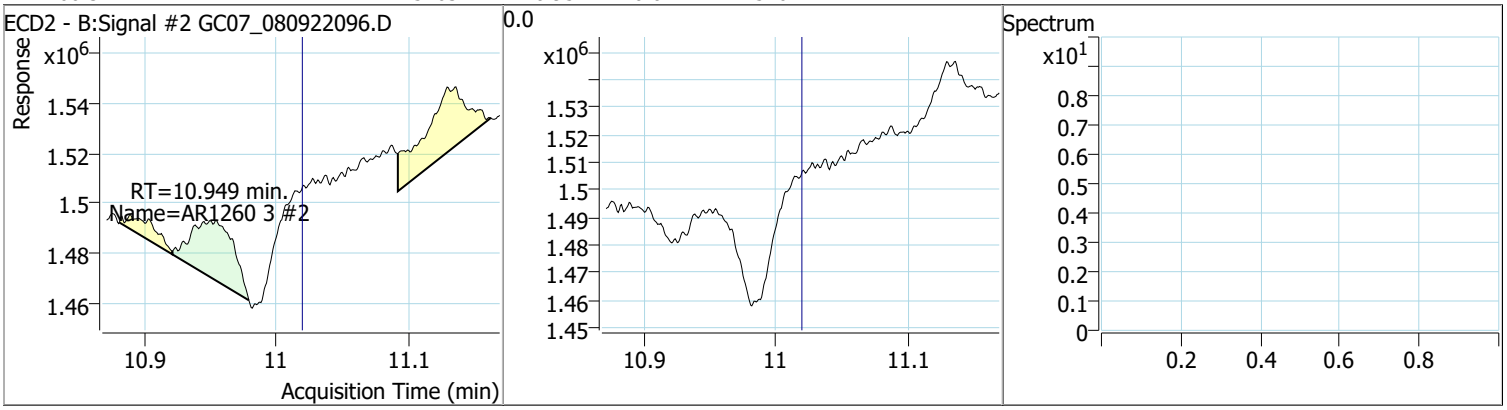
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	70.3235	10.51	-0.03	496475				



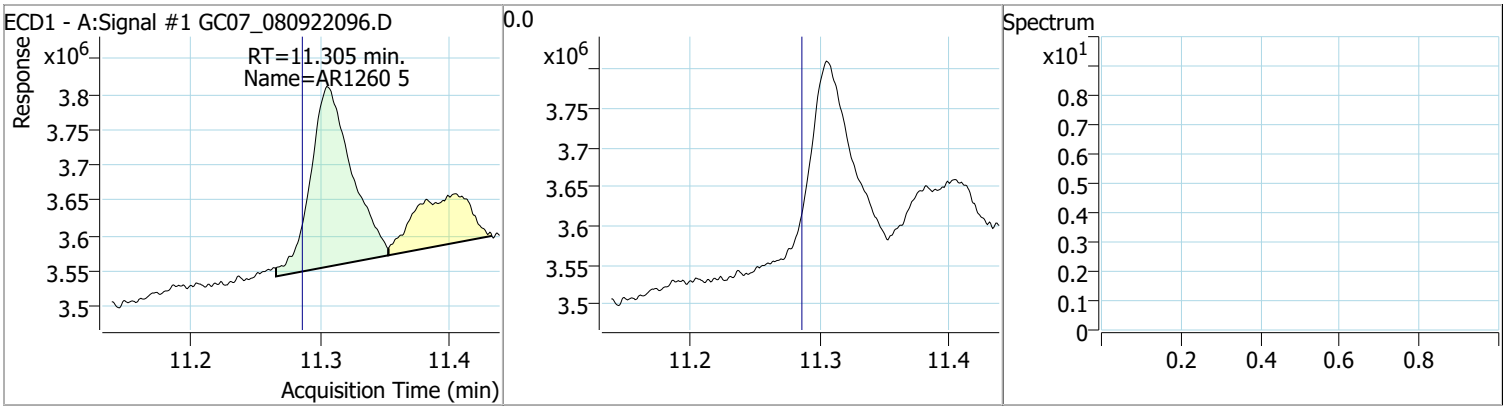
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	14.4027	10.59	0.04	73843				



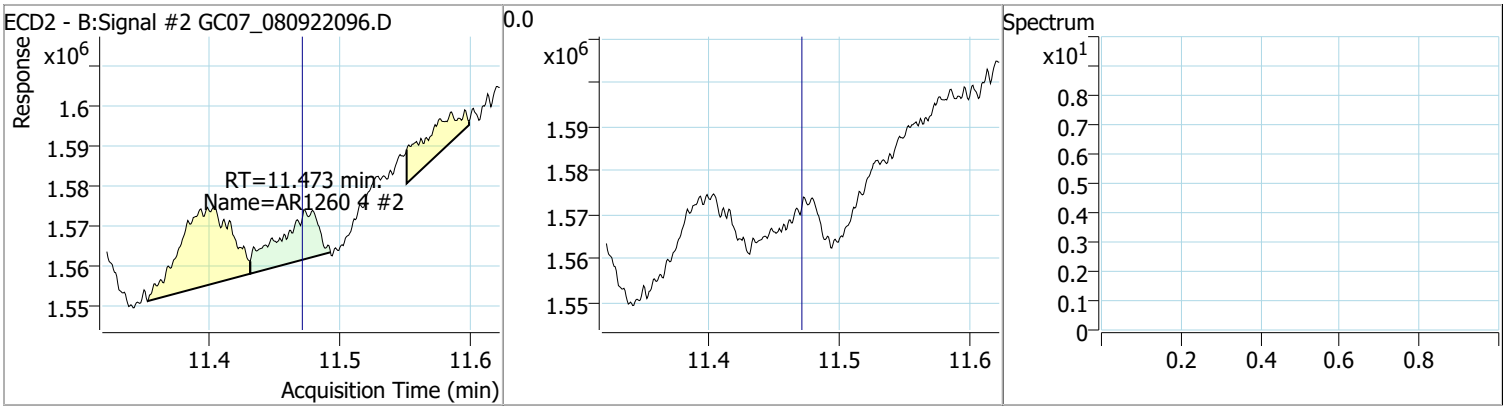
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	7.5163	10.95	-0.07	51611				



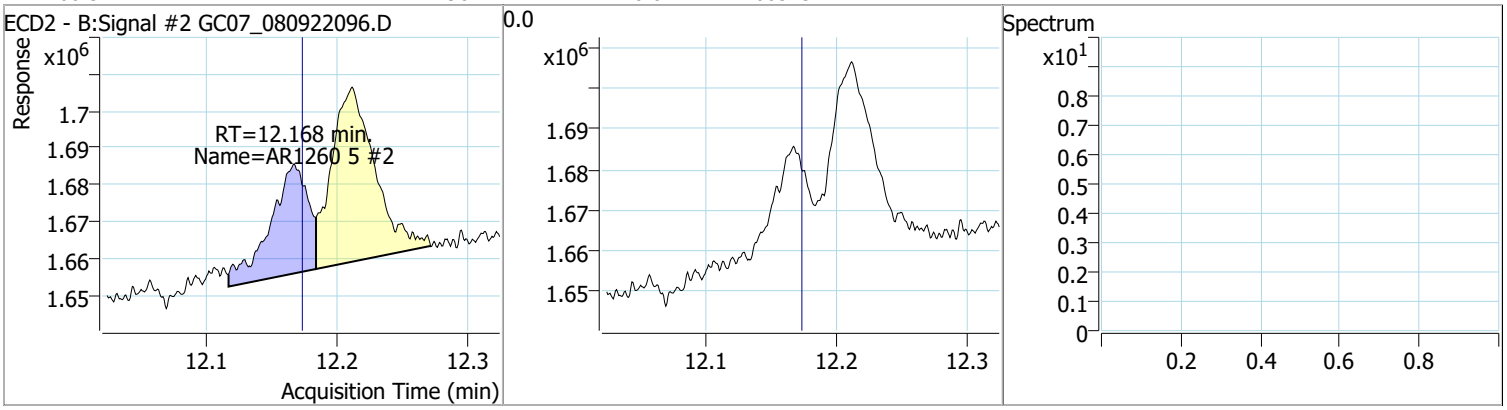
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	60.0789	11.31	0.01	558455				



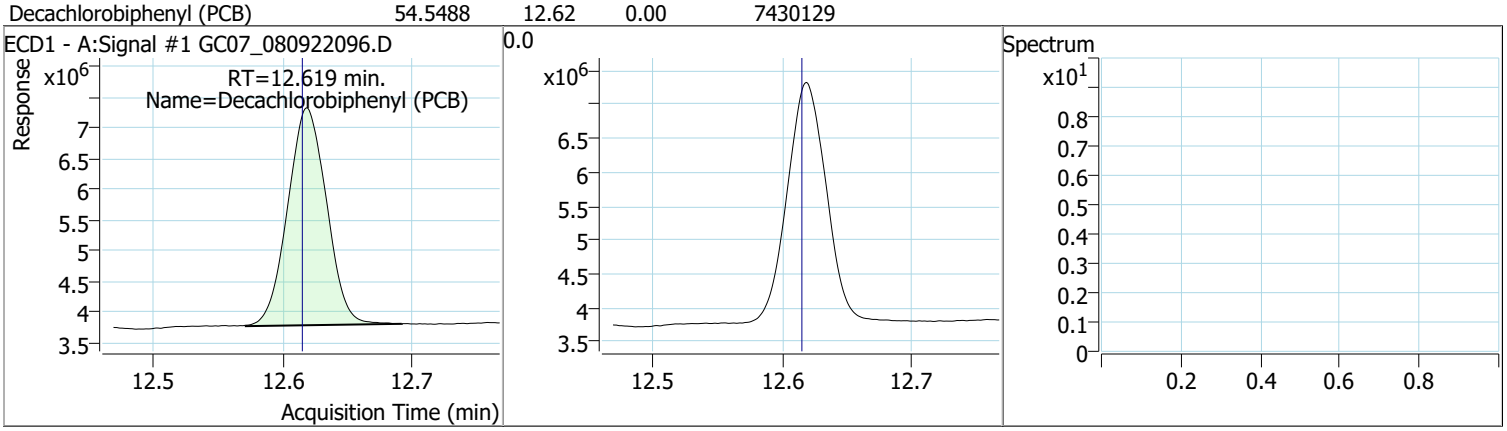
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	7.7440	11.47	0.00	26085				



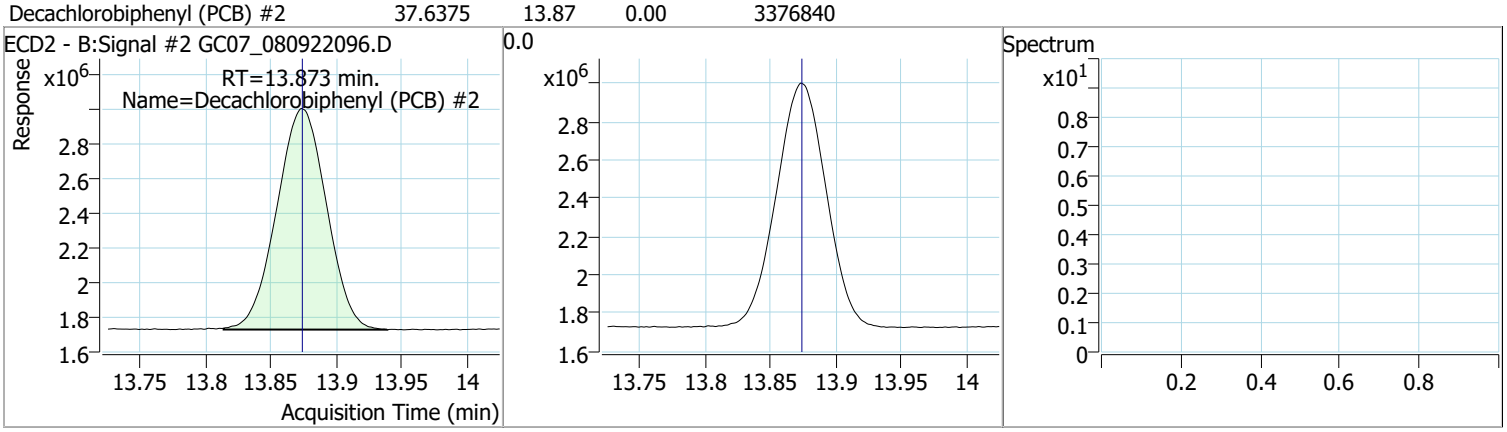
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	11.1290	12.17	-0.01	60525				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	54.5488	12.62	0.00	7430129				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	37.6375	13.87	0.00	3376840				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	466919-011	Client ID:	DOOR-N-0.9GE-PS-20-220805-P-G
Seqnum:	462319236097	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_080922097	Batch:	294557	Time:	10-AUG-2022 15:31
Cal:	462317638001	Caldate:	08-AUG-2022		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	29.05	ug/L	ND	0.79	31%	1.0		u
Aroclor-1016 Peak # 1	B	12.08	ug/L	0.24	1.03	124%			
Aroclor-1016 Peak # 2	B	1.447	ug/L	0.03	0.10	113%			
Aroclor-1016 Peak # 3	B	113.6	ug/L	2.27	ND	560%			
Aroclor-1016 Peak # 4	B	17.69	ug/L	0.35	0.10	111%			
Aroclor-1016 Peak # 5	B	0.3950	ug/L	0.01	3.80	199%			
Aroclor-1221	B			ND			1.0		u
Aroclor-1232	B			ND			1.0		u
Aroclor-1242	B			ND			1.0		u
Aroclor-1248	B			ND			1.0		u
Aroclor-1254	B			ND			1.0		u
Aroclor-1260	B	8.168	ug/L	ND	2.0	169%	1.0		u
Aroclor-1260 Peak # 1	B	0.7394	ug/L	0.01	1.12	195%			
Aroclor-1260 Peak # 2	B	17.08	ug/L	0.34	0.08	121%			
Aroclor-1260 Peak # 3	B	5.084	ug/L	0.10	0.15	35%			
Aroclor-1260 Peak # 4	B	6.205	ug/L	0.12	1.17	162%			
Aroclor-1260 Peak # 5	B	11.73	ug/L	0.23	7.35	188%			
Aroclor-1262	B			ND			1.0		u
Aroclor-1268	B			ND			1.0		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	37.59	pg/uL	1.000	0.7518	75	52-186	c- u
Decachlorobiphenyl (PCB)	B	38.28	pg/uL	1.000	0.7655	77	50-150	c- u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_080922063)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	2659137	1395509	-47.52
1-bromo-2-nitrobenzene (PCB)	A	7252655	3353977	**-53.76 ***

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

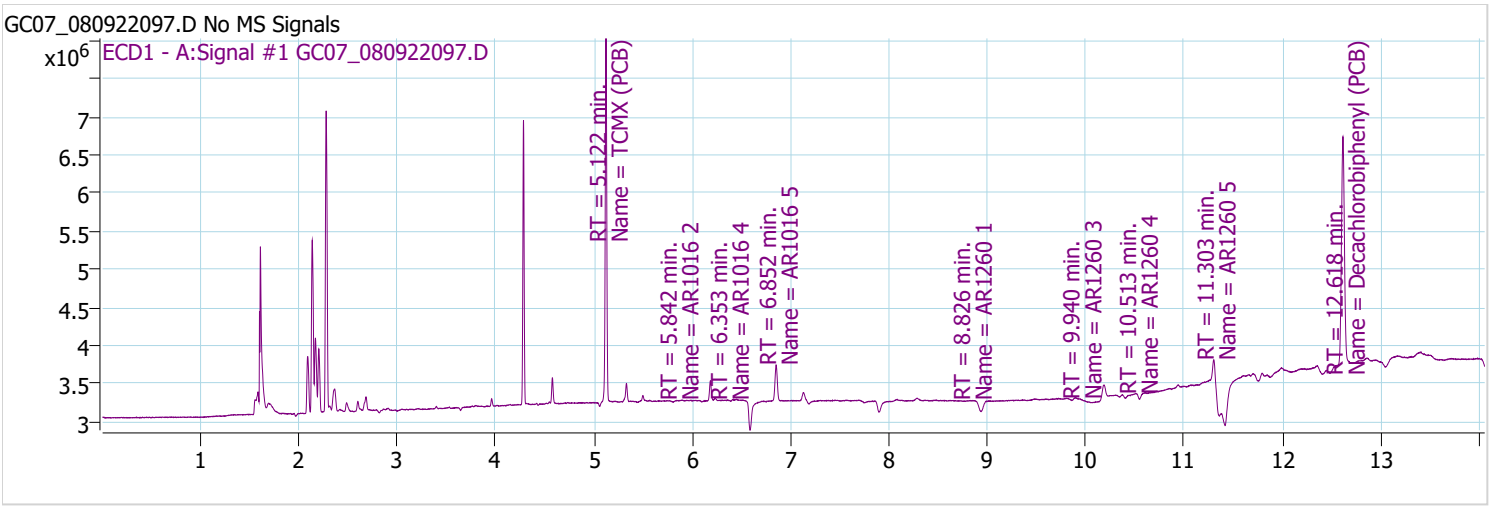
ISTD (CCV gc07_080922063)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.45	4.45	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.28	4.28	0.00

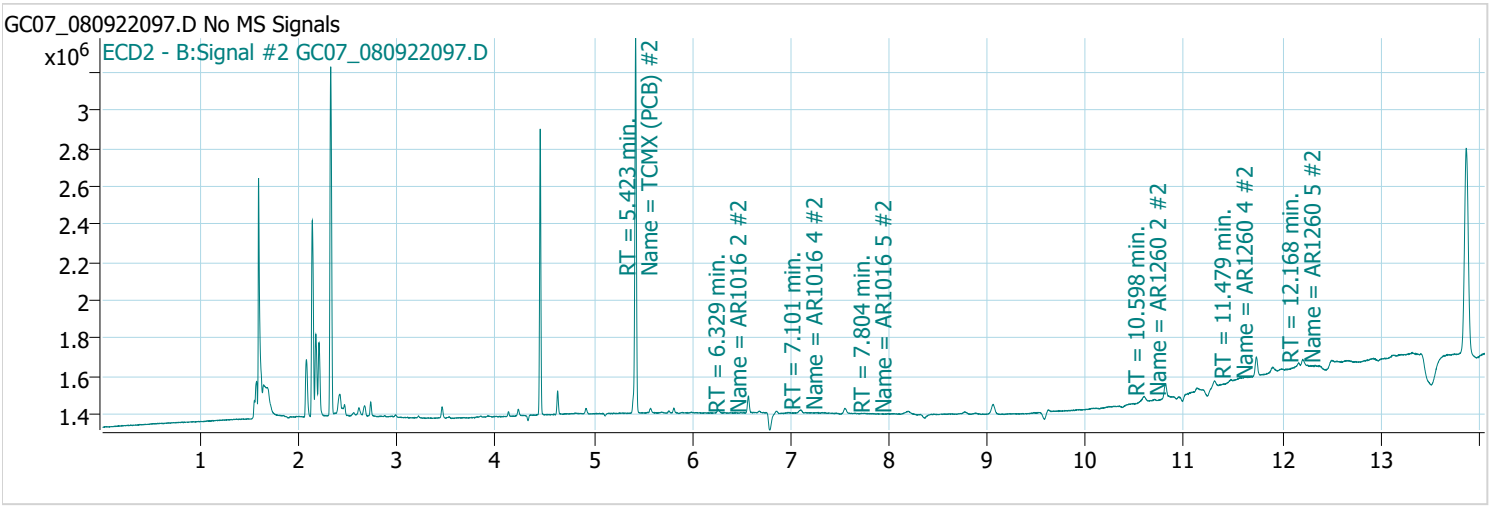
Analyst: TRN 08/10/22

Reviewer: SLL 08/11/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_080922097.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	8/10/2022 3:31:28 PM
Sample Name	466919-011, 294557, 1	Instrument	SVOA-GC07
Vial	45	Multiplier	1.00
DA Method File	PCB_608_080822_GC07_1.m	Comment	WIPE/1DM2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	080922PCB.batch.bin	Last Calib Update	8/9/2022 3:43:56 PM
Ref Library			





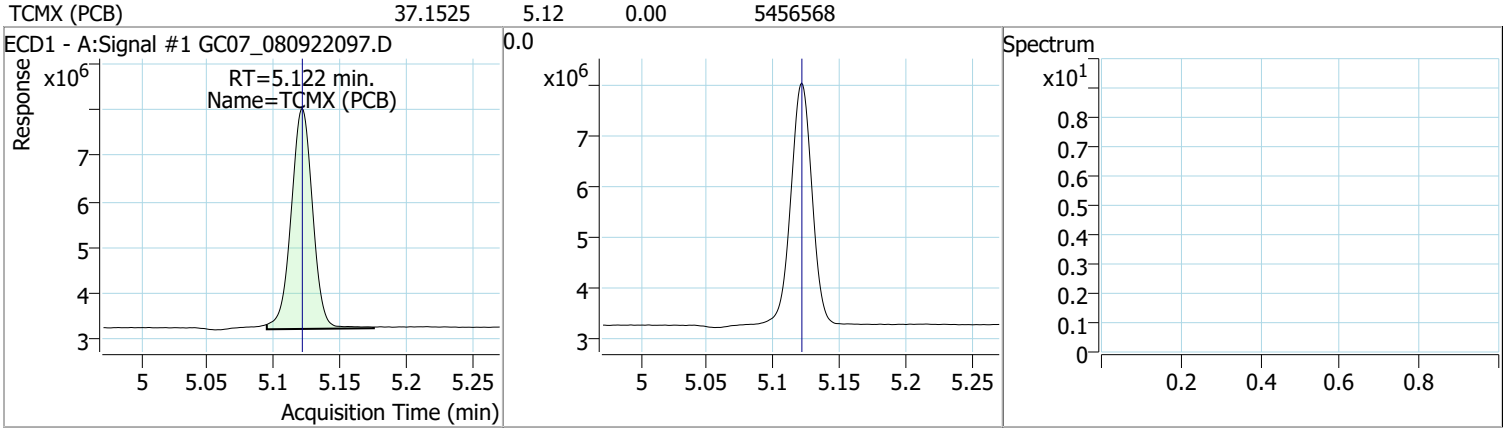
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.283	0.0	3353977.145	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.453	0.0	1395509.446	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.122	0.0	5456567.668	37.1525	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 185.76%		*	
S TCMX (PCB) #2	5.423	0.0	2215310.652	37.5693	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.85%		*	
S Decachlorobiphenyl (PCB)	12.618	0.0	6565487.962	54.5738	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 272.87%		*	
S Decachlorobiphenyl (PCB) #2	13.872	0.0	2995697.288	38.2555	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 191.28%		*	

Target Compounds QValue

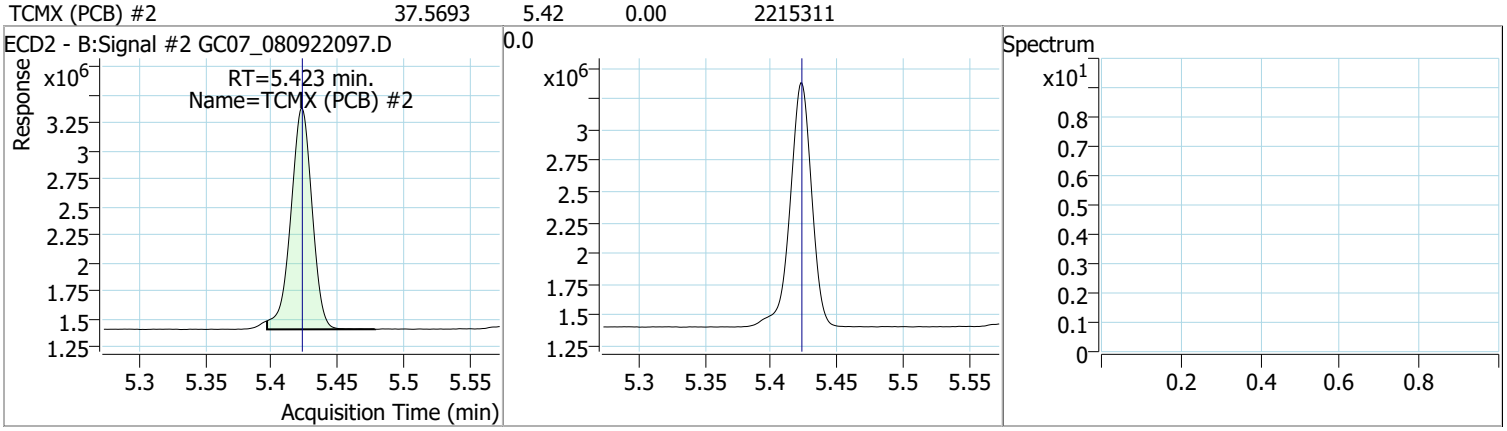
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.498	0.0	154964.716	51.5550	ng/ml	100
T AR1016 2	5.842	0.0	31419.485	5.2284	ng/ml	100
T AR1016 1 #2	5.903	0.0	15086.930	12.0701	ng/ml	100
T AR1016 3	6.308	0.0	28916.481	0.0000	ng/ml	100
T AR1016 2 #2	6.329	0.0	3878.071	1.4464	ng/ml	100
T AR1016 4	6.353	0.0	24466.840	5.0847	ng/ml	100
T AR1016 3 #2	6.852	0.0	369944.087	113.5526	ng/ml	100
T AR1016 5	6.852	0.0	799529.852	189.7768	ng/ml	100
T AR1016 4 #2	7.101	0.0	41728.722	17.6836	ng/ml	100
T AR1016 5 #2	7.804	0.0	722.442	0.3947	ng/ml	100
T AR1260 1	8.826	0.0	466611.268	55.7570	ng/ml	100
T AR1260 2	9.483	0.0	53160.479	4.2290	ng/ml	100
T AR1260 3	9.940	0.0	99754.633	7.2578	ng/ml	100
T AR1260 1 #2	10.179	0.0	2904.254	0.7390	ng/ml	100
T AR1260 4	10.513	0.0	364610.685	58.4723	ng/ml	100
T AR1260 2 #2	10.598	0.0	76370.821	17.0666	ng/ml	100
T AR1260 3 #2	10.955	0.0	30455.662	5.0817	ng/ml	100
T AR1260 5	11.303	0.0	3016609.645	367.4274	ng/ml	100
T AR1260 4 #2	11.479	0.0	18232.002	6.2014	ng/ml	100
T AR1260 5 #2	12.168	0.0	55662.648	11.7266	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

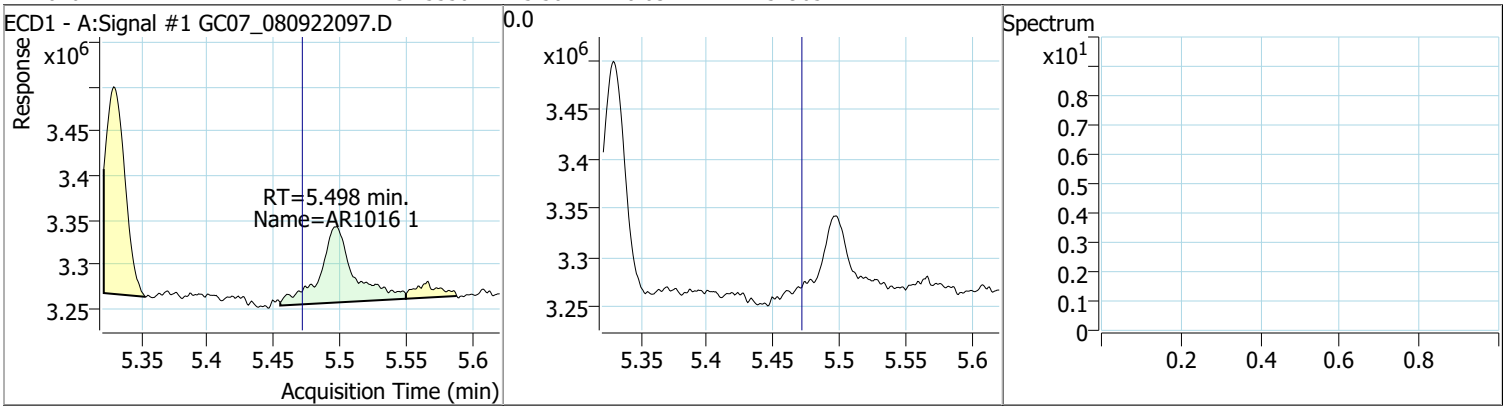
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	37.1525	5.12	0.00	5456568				



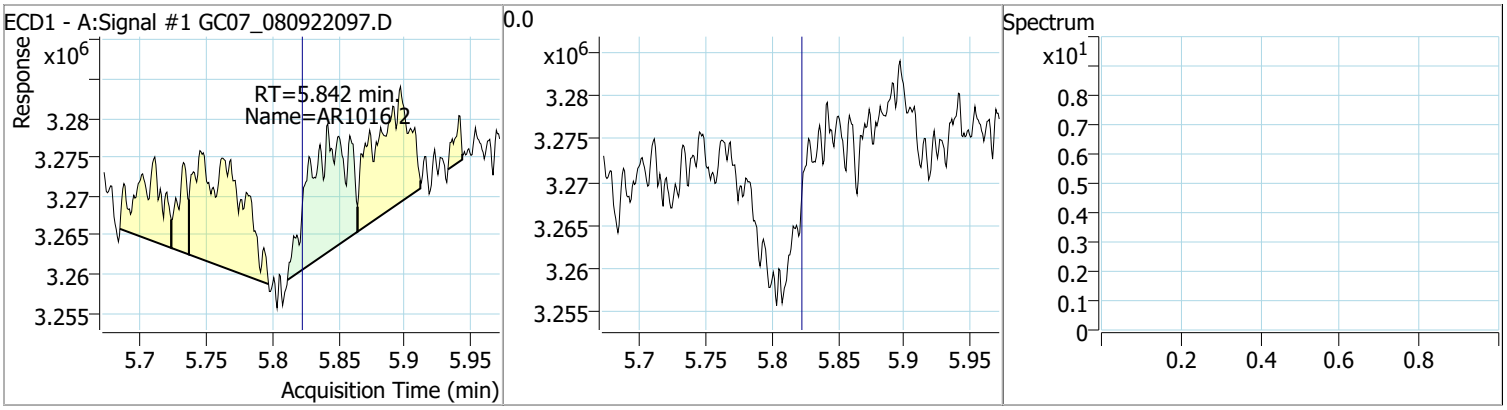
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.5693	5.42	0.00	2215311				



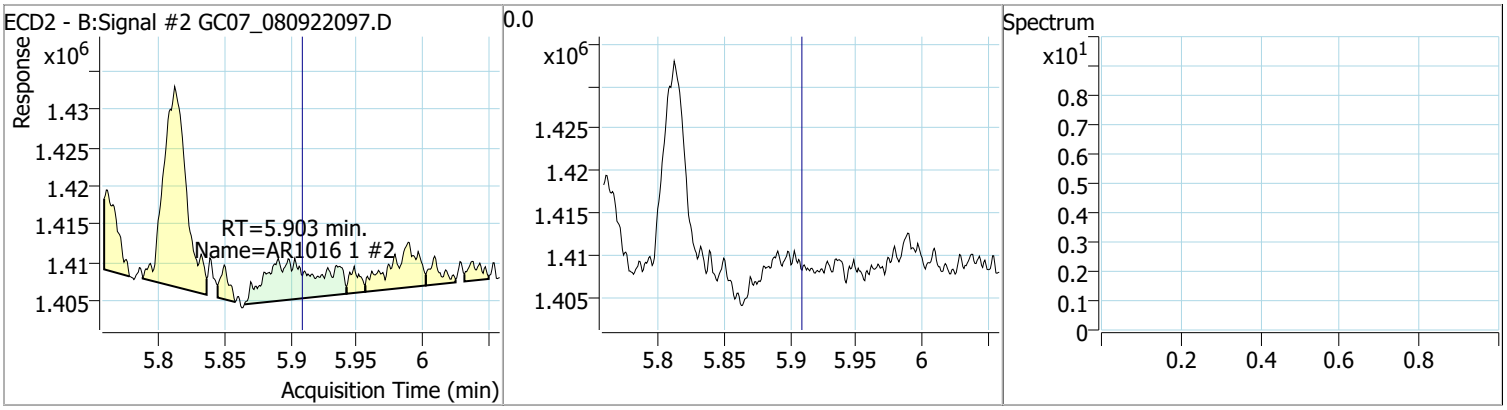
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	51.5550	5.50	0.03	154965				



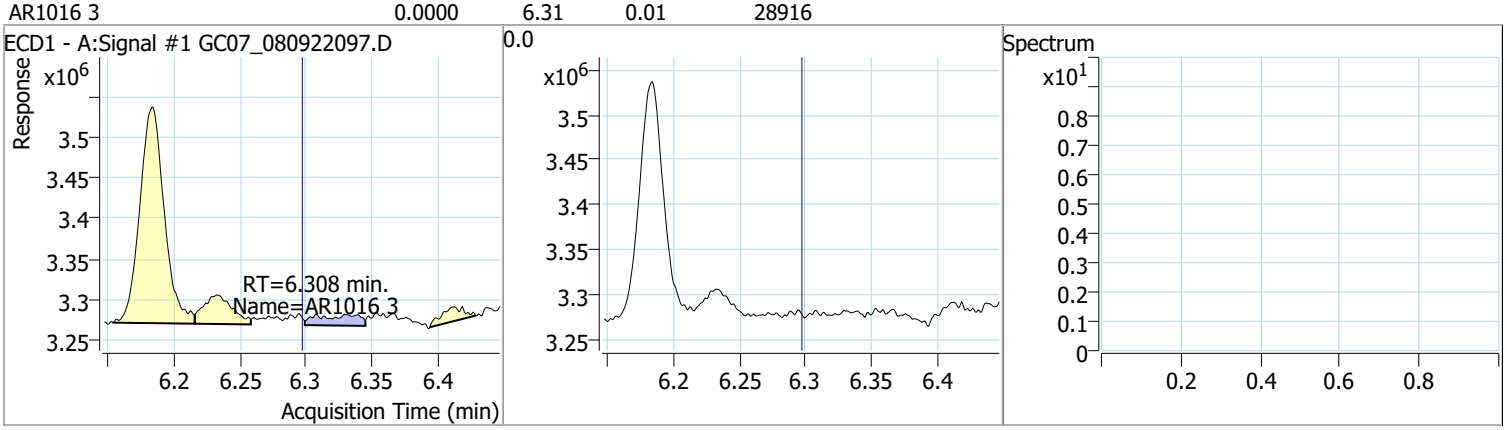
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	5.2284	5.84	0.02	31419				



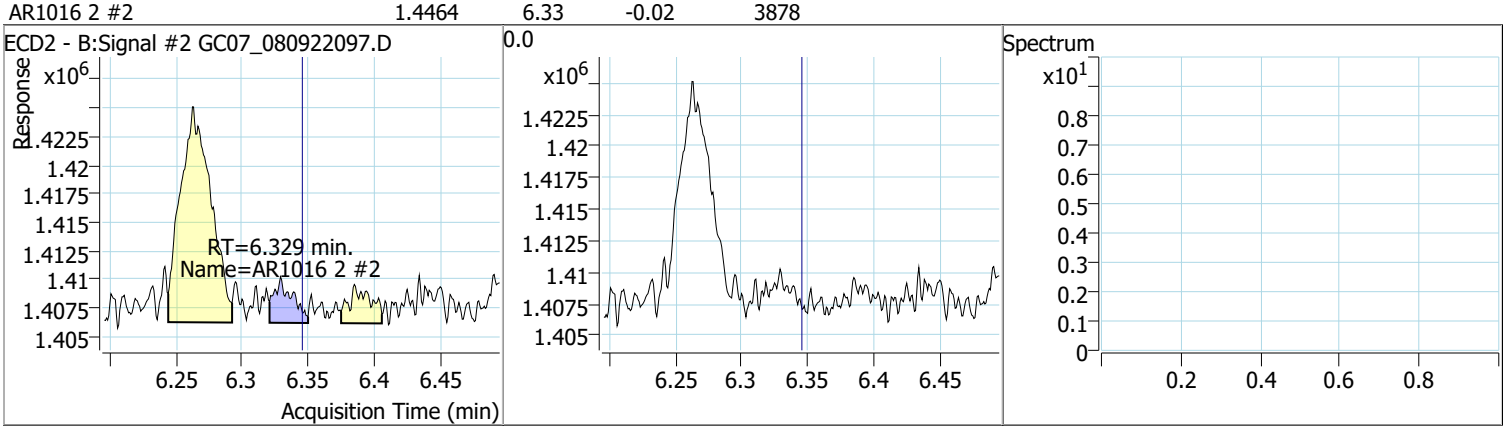
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	12.0701	5.90	-0.01	15087				



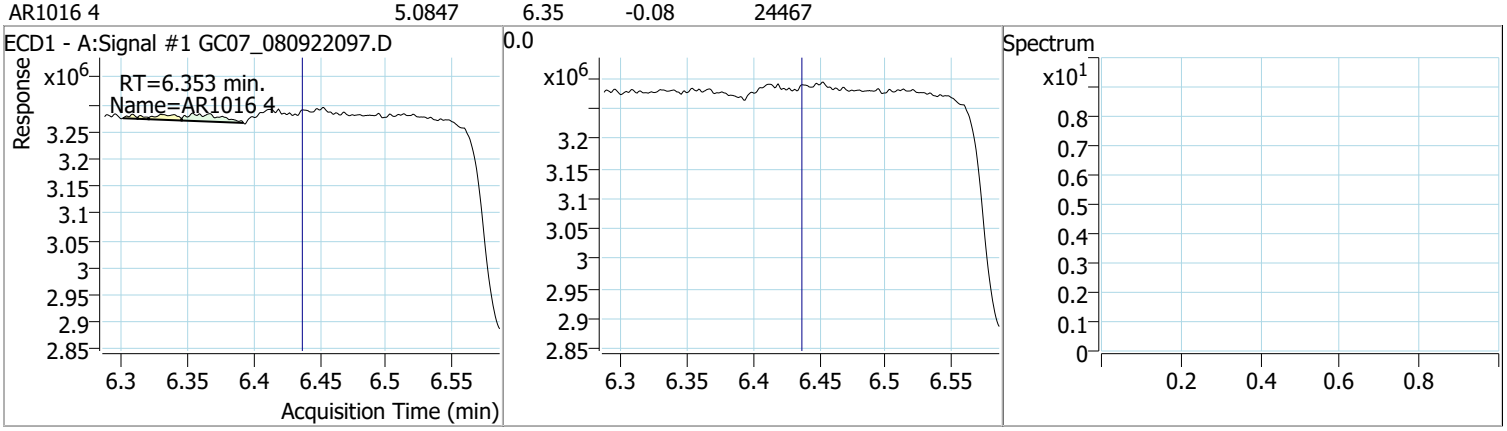
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	0.0000	6.31	0.01	28916				



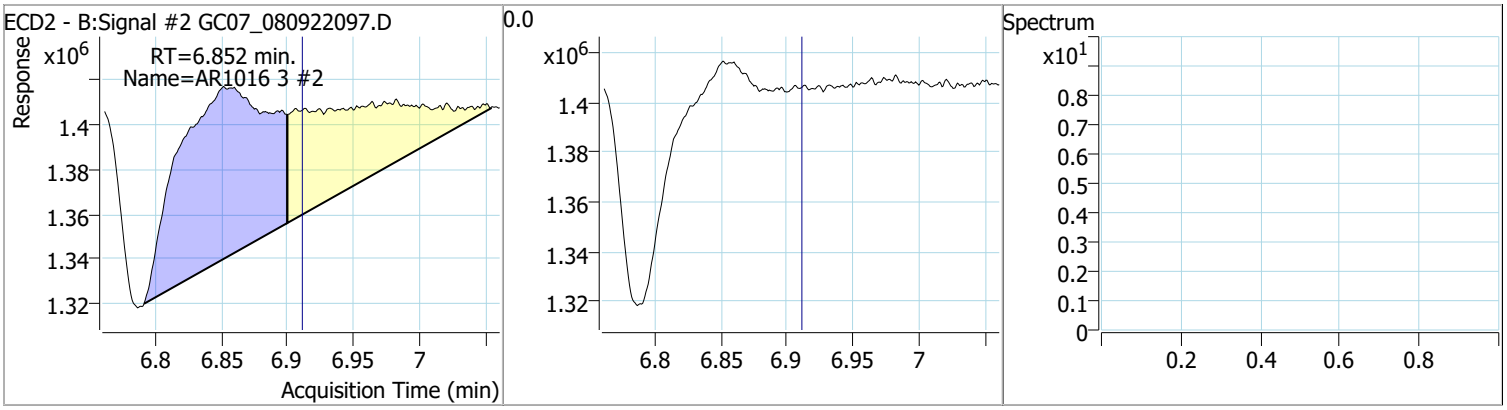
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1.4464	6.33	-0.02	3878				



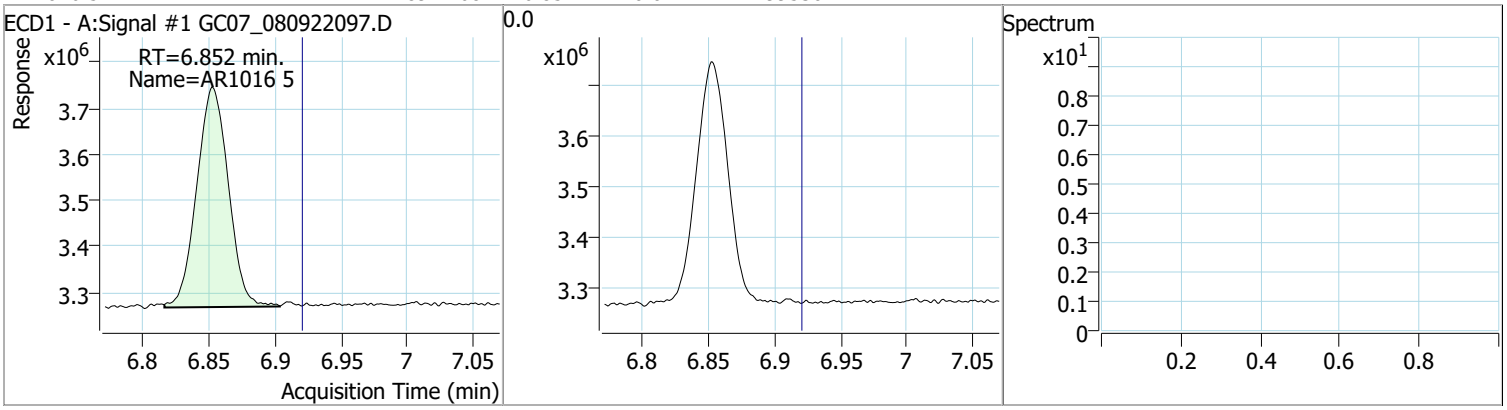
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	5.0847	6.35	-0.08	24467				



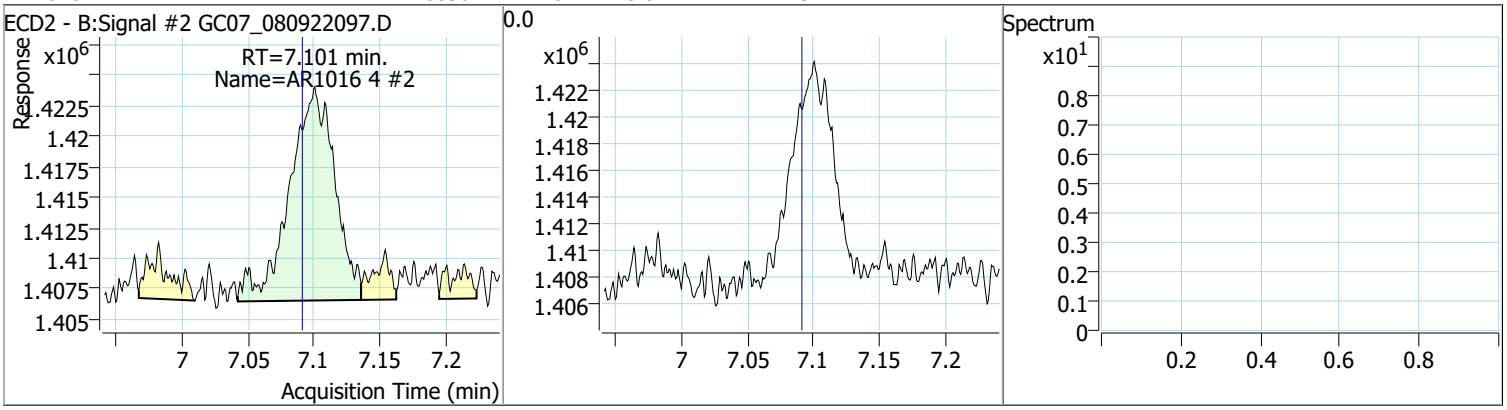
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	113.5526	6.85	-0.06	369944				



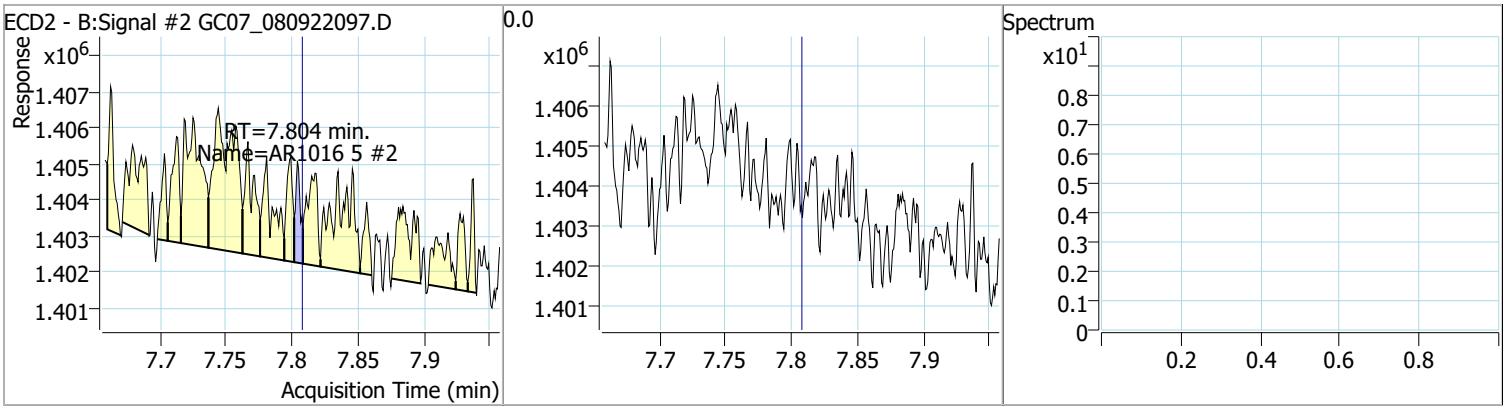
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	189.7768	6.85	-0.07	799530				



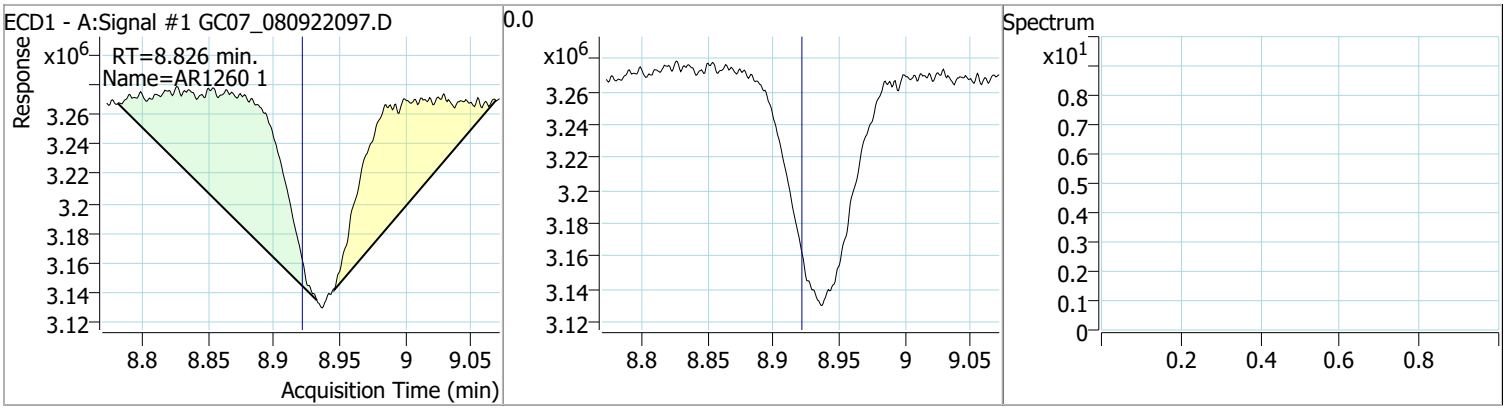
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	17.6836	7.10	0.01	41729				



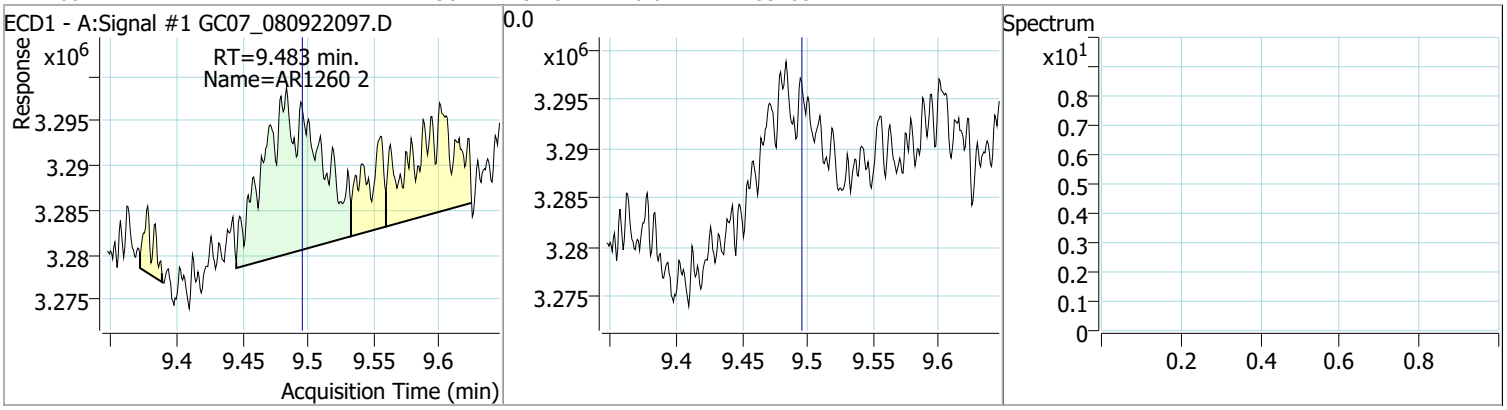
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.3947	7.80	0.00	722				



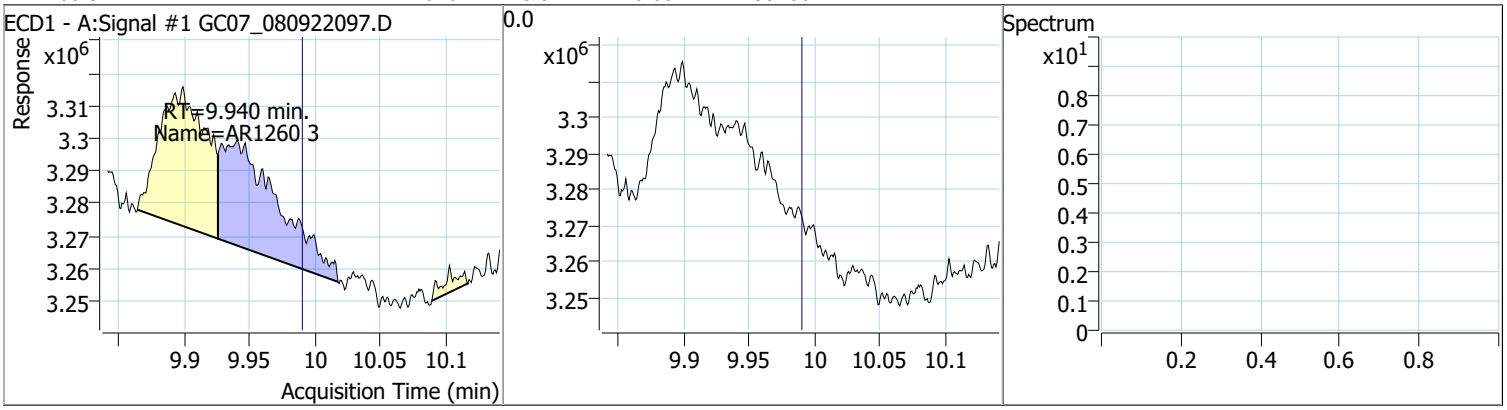
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	55.7570	8.83	-0.10	466611				



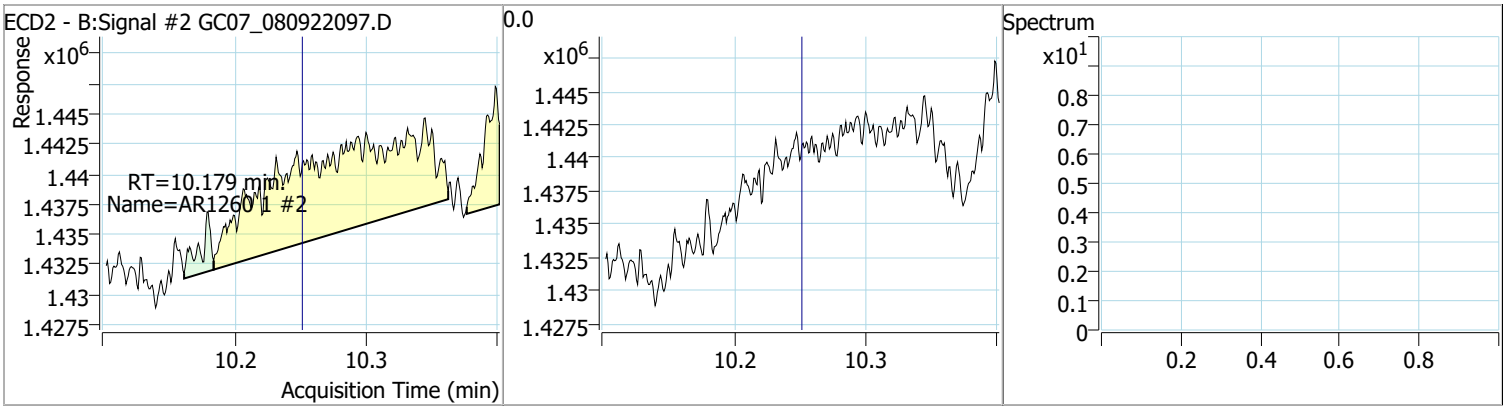
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	4.2290	9.48	-0.01	53160				



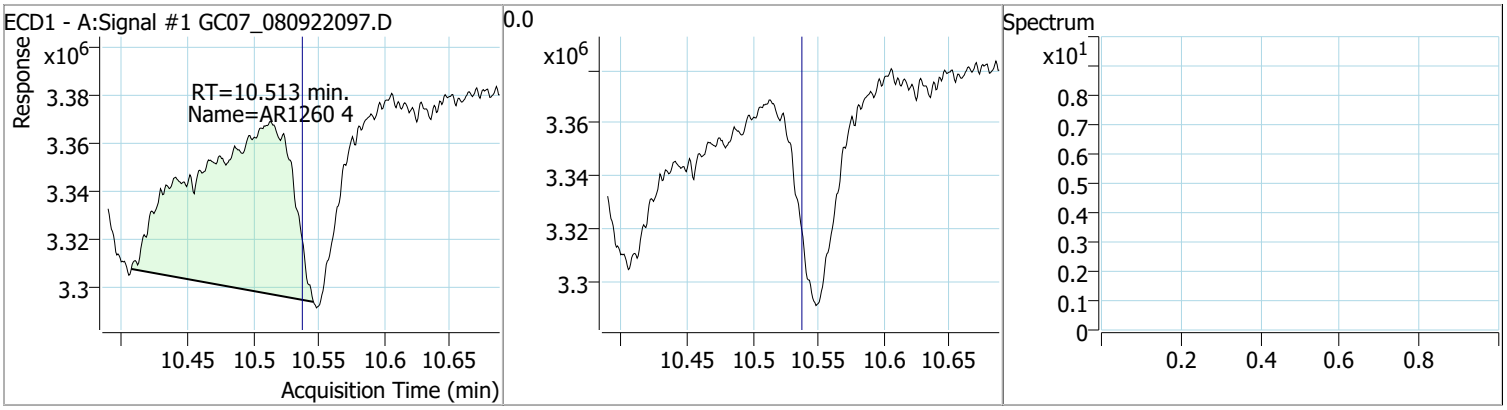
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	7.2578	9.94	-0.05	99755				



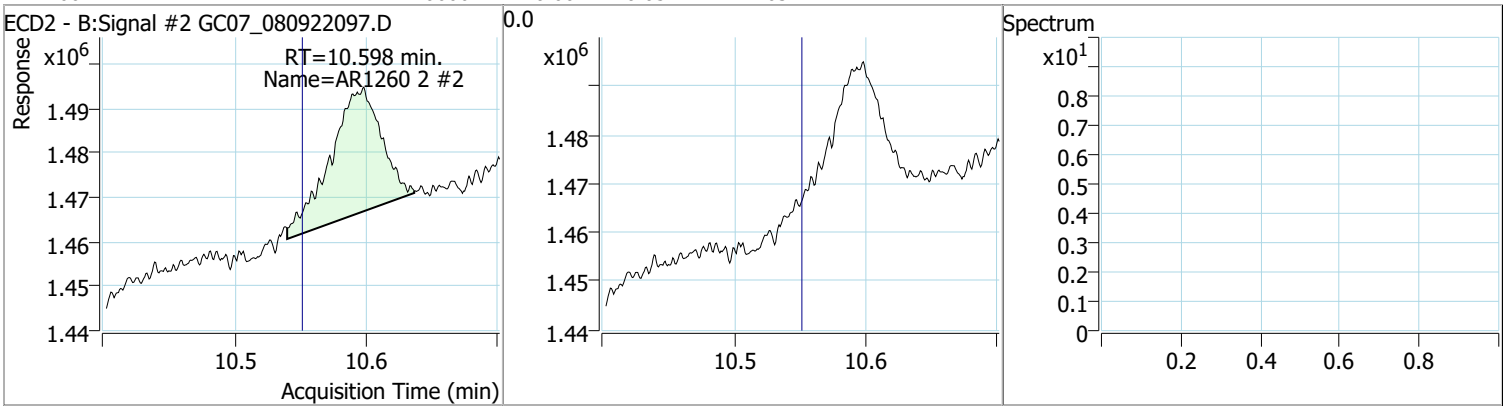
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	0.7390	10.18	-0.07	2904				



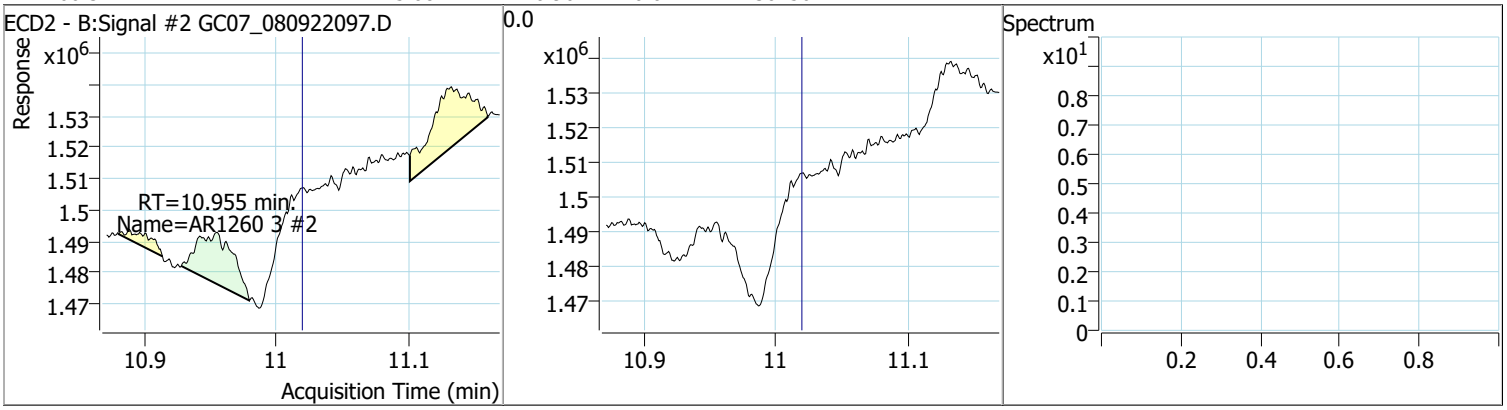
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	58.4723	10.51	-0.03	364611				



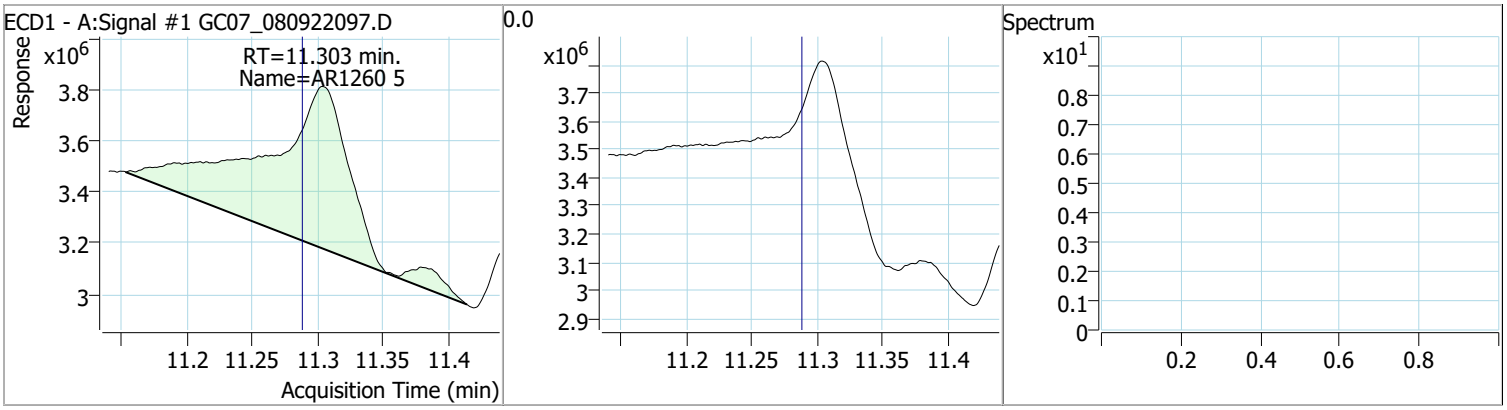
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	17.0666	10.60	0.05	76371				



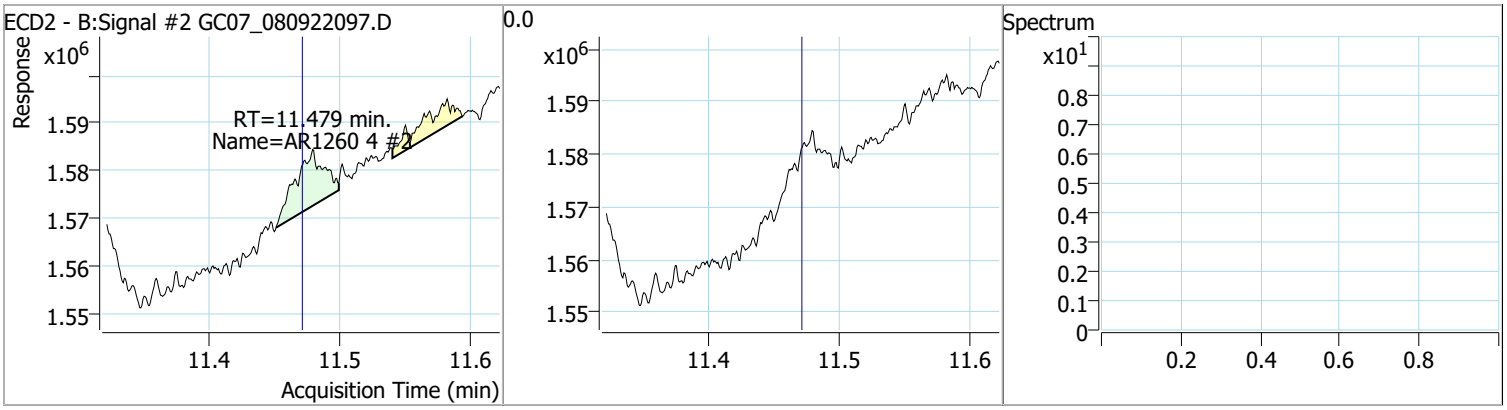
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	5.0817	10.96	-0.07	30456				



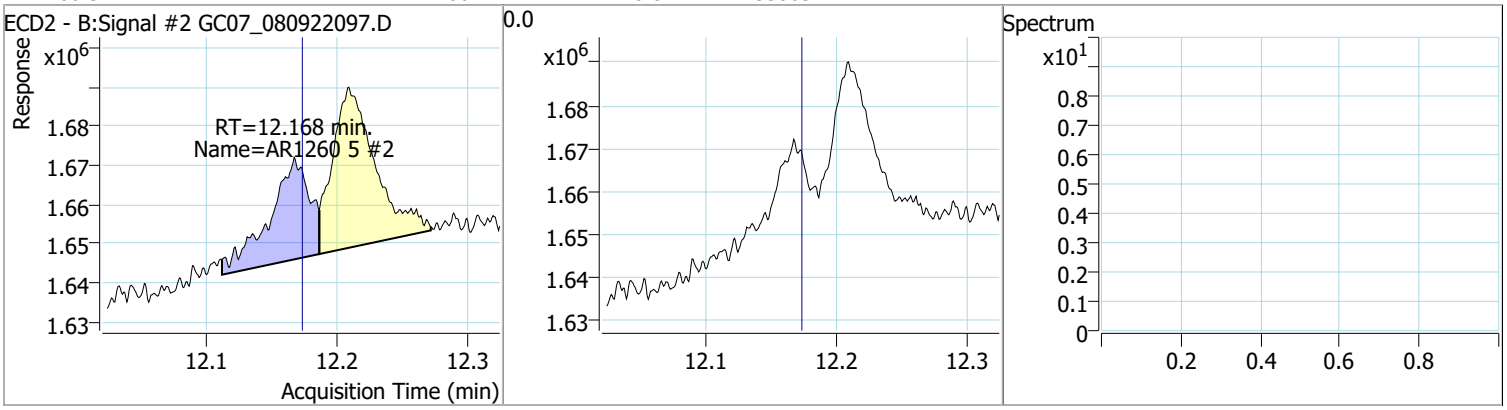
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	367.4274	11.30	0.01	3016610				



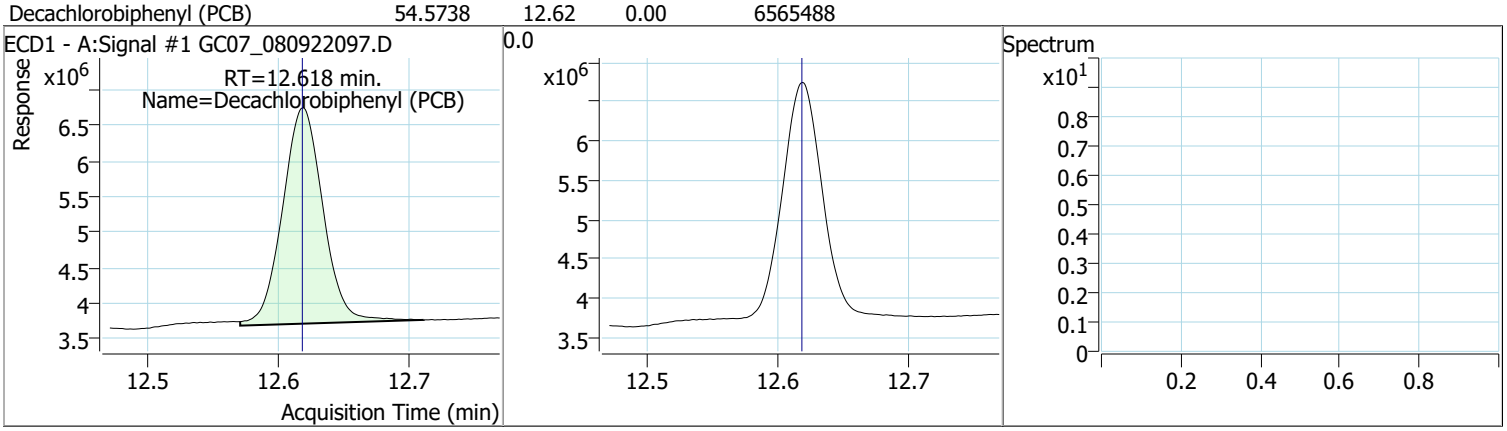
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	6.2014	11.48	0.01	18232				



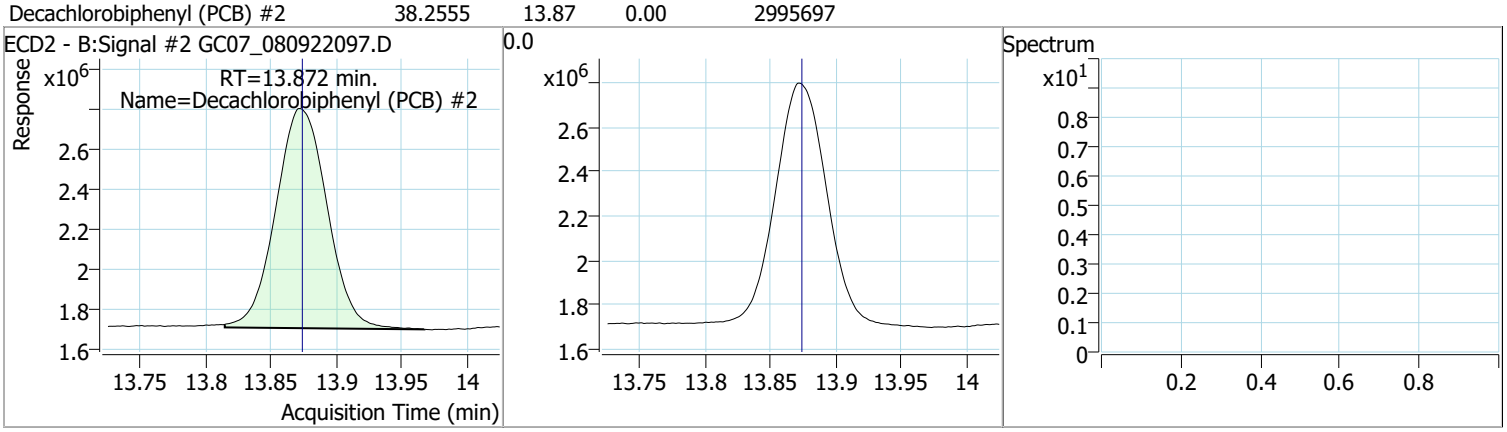
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	11.7266	12.17	-0.01	55663				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	54.5738	12.62	0.00	6565488				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	38.2555	13.87	0.00	2995697				



QC Raw Data

ENTHALPY BLANK USER REPORT FOR 466919 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07	Lab ID:	QC1005240		
Seqnum:	462319236083.1	Matrix:	Wipe		
File:	gc07_080922083	Batch:	294557	Time:	10-AUG-2022 11:25
Cal:	462317638001	Caldate:	08-AUG-2022		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Flags
Aroclor-1016	B	4.949	ug/L	ND	0.039	23%	0.50	u
Aroclor-1016 Peak # 1	B	6.941	ug/L	0.07	0.40	141%		
Aroclor-1016 Peak # 2	B	12.75	ug/L	0.13	0.35	93%		
Aroclor-1016 Peak # 3	B	4.640	ug/L	0.05	ND	-234%		
Aroclor-1016 Peak # 4	B	0.1828	ug/L	0.00	0.02	172%		
Aroclor-1016 Peak # 5	B	0.2313	ug/L	0.00	0.01	131%		
Aroclor-1221	B			ND			0.50	u
Aroclor-1232	B			ND			0.50	u
Aroclor-1242	B			ND			0.50	u
Aroclor-1248	B			ND			0.50	u
Aroclor-1254	B			ND			0.50	u
Aroclor-1260	B	1.952	ug/L	ND	0.062	104%	0.50	u
Aroclor-1260 Peak # 1	B	0.1652	ug/L	0.00	0.00	100%		
Aroclor-1260 Peak # 2	B	0.2032	ug/L	0.00	0.01	126%		
Aroclor-1260 Peak # 3	B	0.7482	ug/L	0.01	0.00	125%		
Aroclor-1260 Peak # 4	B	0.7744	ug/L	0.01	ND			
Aroclor-1260 Peak # 5	B	7.871	ug/L	0.08	0.30	116%		
Aroclor-1262	B			ND			0.50	u
Aroclor-1268	B			ND			0.50	u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	55.62	pg/uL	0.5000	0.5562	111	52-186	c- u
Decachlorobiphenyl (PCB)	B	47.42	pg/uL	0.5000	0.4742	95	60-140	c- u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_080922063)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	2659137	1493102	-43.85
1-bromo-2-nitrobenzene (PCB)	A	7252655	4154890	-42.71

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

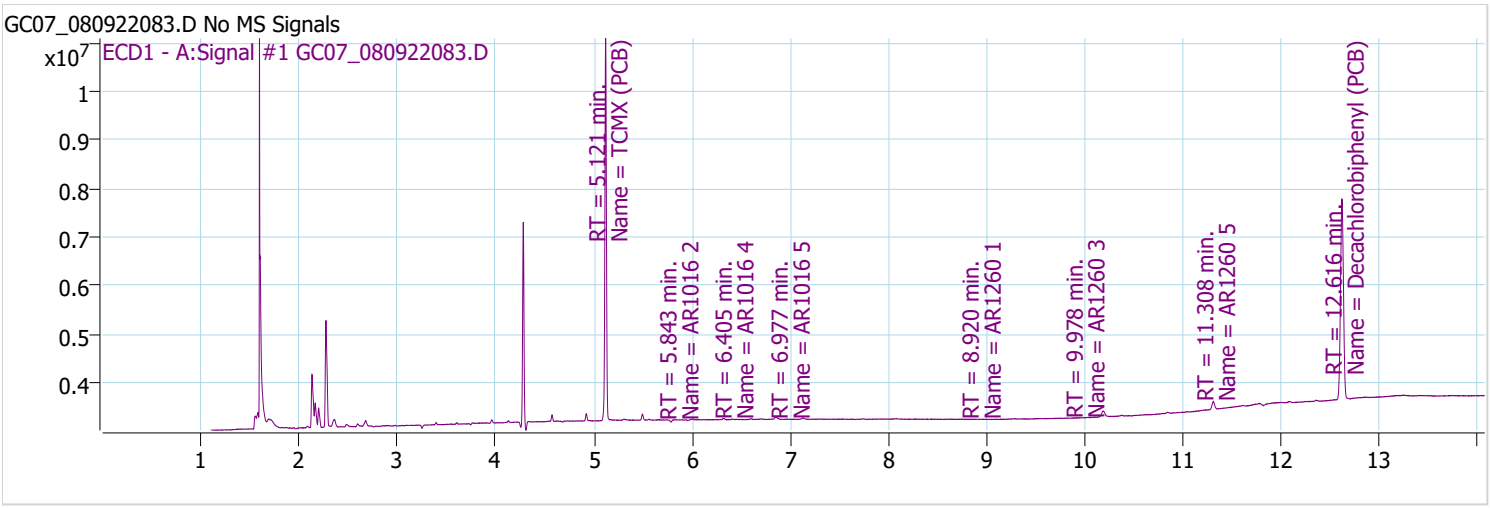
ISTD (CCV gc07_080922063)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.45	4.45	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.28	4.28	0.00

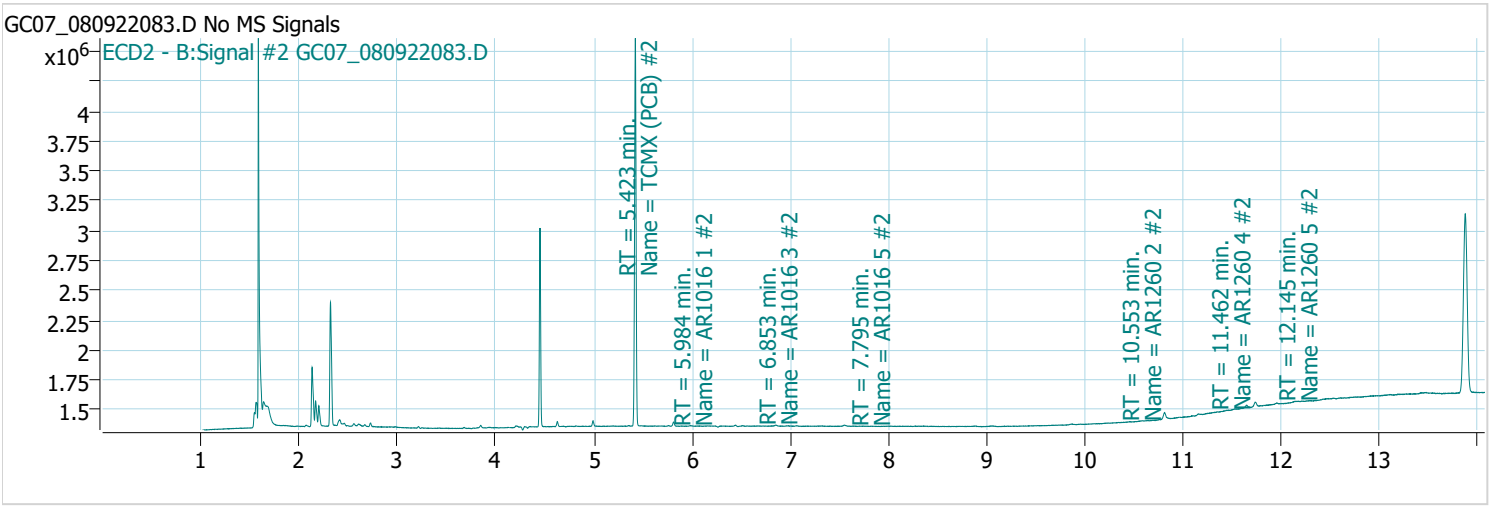
-=low bias c=CCV u=use

Analyst: TRN 08/10/22 **Reviewer:** SLL 08/12/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_080922083.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	8/10/2022 11:25:18 AM
Sample Name	QC1005240, 294557, 1	Instrument	SVOA-GC07
Vial	37	Multiplier	1.00
DA Method File	PCB_608_080822_GC07_1.m	Comment	WIPE/1DM2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	080922PCB.batch.bin	Last Calib Update	8/9/2022 3:43:56 PM
Ref Library			



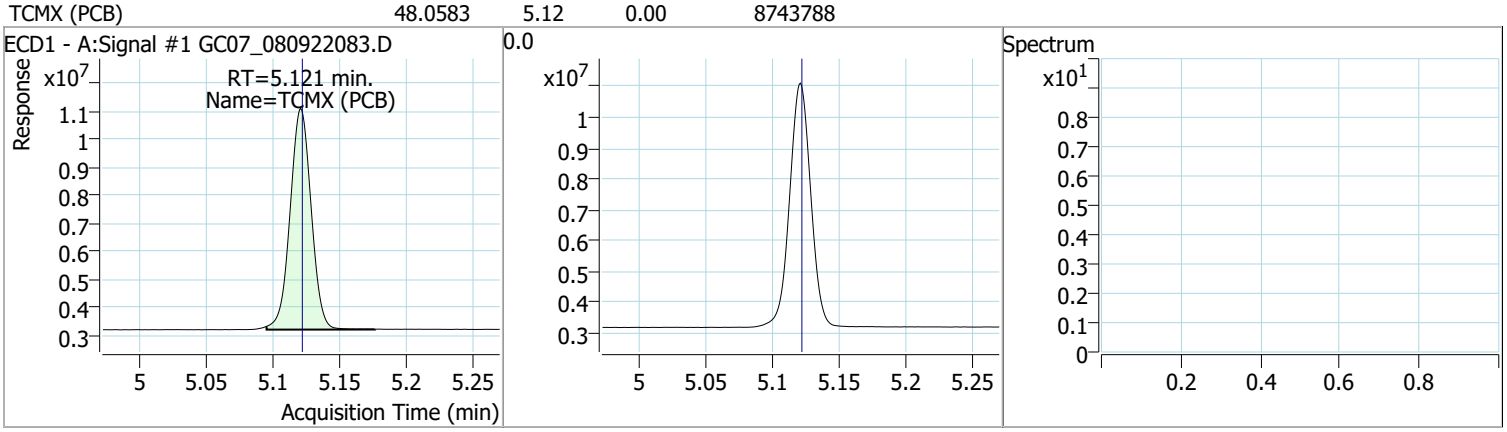


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.283	0.0	4154890.402	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.453	0.0	1493102.175	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.121	0.0	8743787.533	48.0583	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 240.29%		*	
S TCMX (PCB) #2	5.423	0.0	3506788.427	55.5841	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 277.92%		*	
S Decachlorobiphenyl (PCB)	12.616	0.0	8714778.735	58.6763	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 293.38%		*	
S Decachlorobiphenyl (PCB) #2	13.872	0.0	3970683.367	47.3920	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 236.96%		*	
Target Compounds							QValue

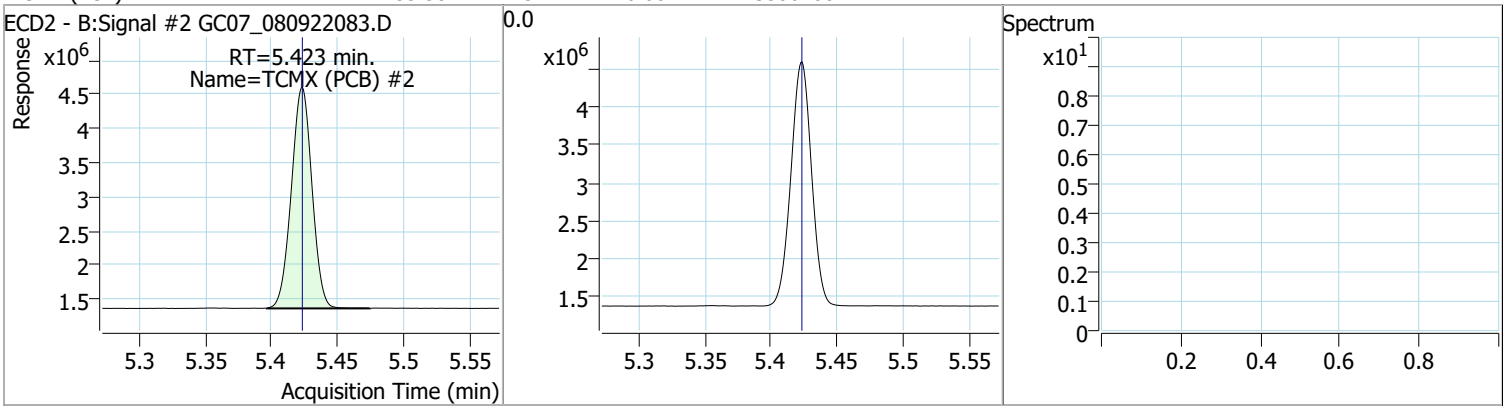
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.496	0.0	149038.011	40.0254	ng/ml	100
T AR1016 2	5.843	0.0	261133.447	35.0778	ng/ml	100
T AR1016 1 #2	5.984	0.0	9277.435	6.9371	ng/ml	100
T AR1016 3	6.291	0.0	3522.816	0.0000	ng/ml	100
T AR1016 2 #2	6.293	0.0	36553.450	12.7425	ng/ml	100
T AR1016 4	6.405	0.0	14451.225	2.4243	ng/ml	100
T AR1016 3 #2	6.853	0.0	16166.003	4.6377	ng/ml	100
T AR1016 5	6.977	0.0	5771.287	1.1058	ng/ml	100
T AR1016 4 #2	7.088	0.0	461.220	0.1827	ng/ml	100
T AR1016 5 #2	7.795	0.0	452.575	0.2311	ng/ml	100
T AR1260 1	8.920	0.0	5124.219	0.4943	ng/ml	100
T AR1260 2	9.503	0.0	14018.420	0.9002	ng/ml	100
T AR1260 3	9.978	0.0	2921.059	0.1716	ng/ml	100
T AR1260 1 #2	10.137	0.0	694.227	0.1651	ng/ml	100
T AR1260 4	0.000		0	N.D.		
T AR1260 2 #2	10.553	0.0	972.361	0.2031	ng/ml	100
T AR1260 3 #2	11.100	0.0	4795.266	0.7478	ng/ml	100
T AR1260 5	11.308	0.0	300247.132	29.5211	ng/ml	100
T AR1260 4 #2	11.462	0.0	2434.474	0.7739	ng/ml	100
T AR1260 5 #2	12.145	0.0	39949.921	7.8663	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

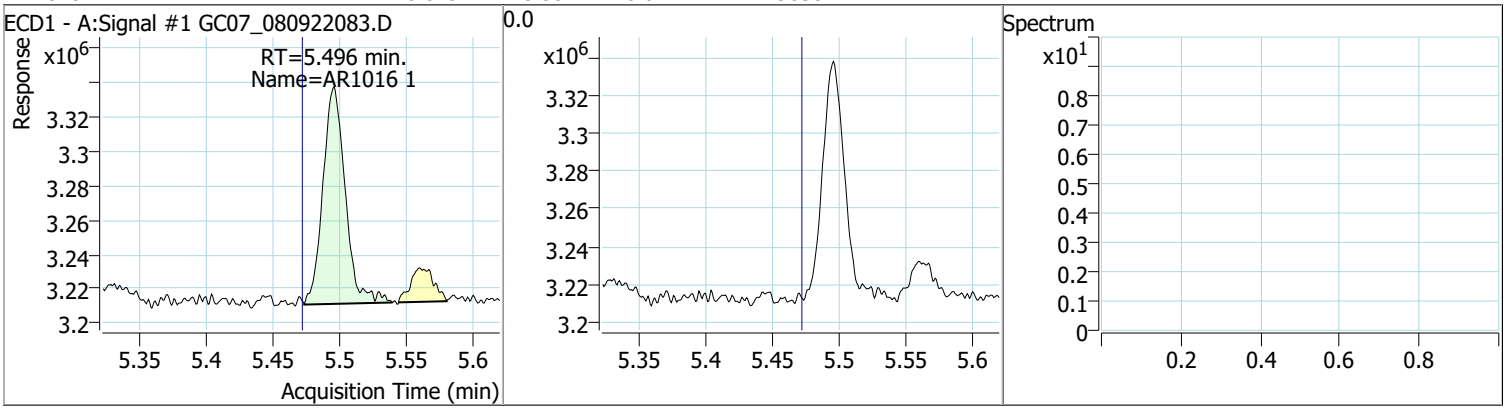
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	48.0583	5.12	0.00	8743788				



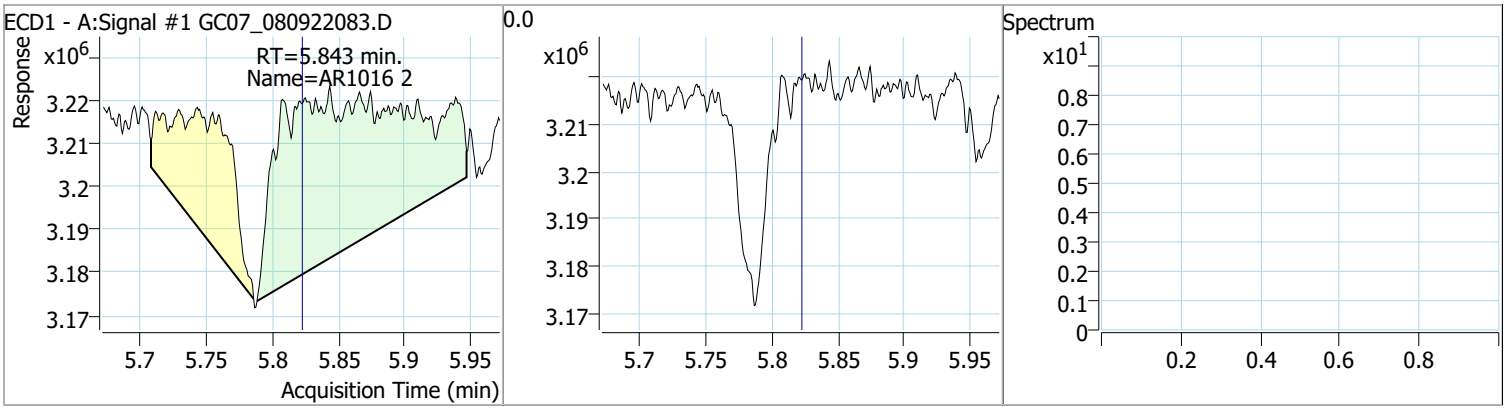
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	55.5841	5.42	0.00	3506788				



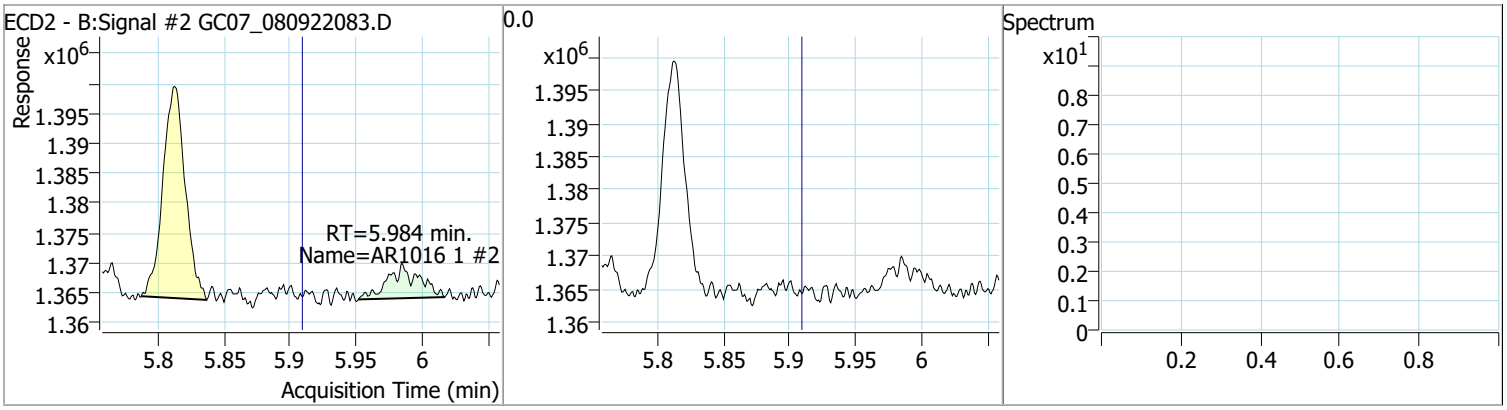
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	40.0254	5.50	0.02	149038				



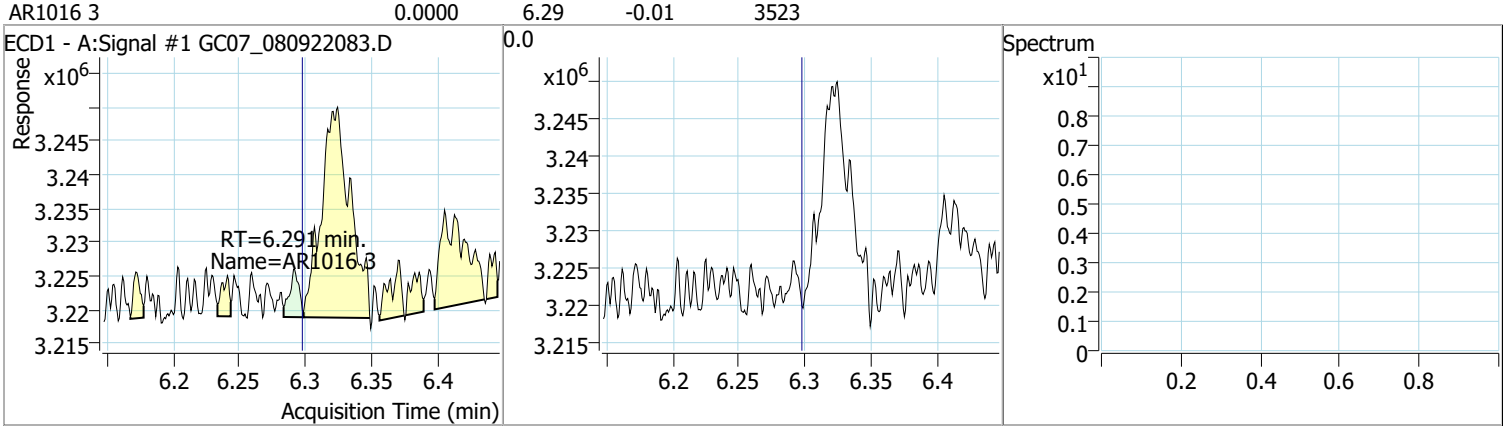
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	35.0778	5.84	0.02	261133				



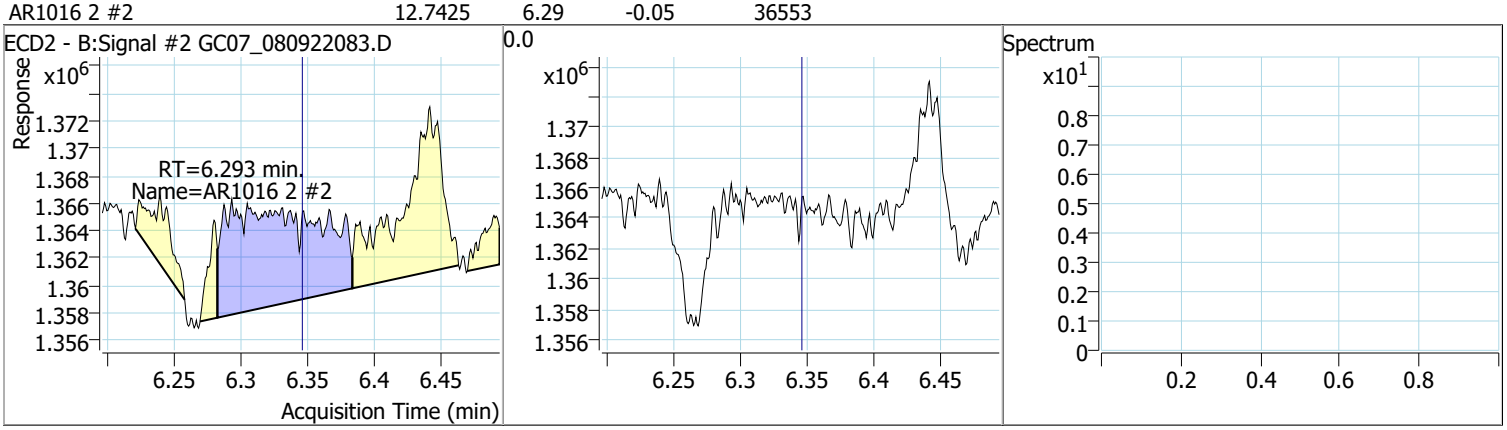
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	6.9371	5.98	0.08	9277				



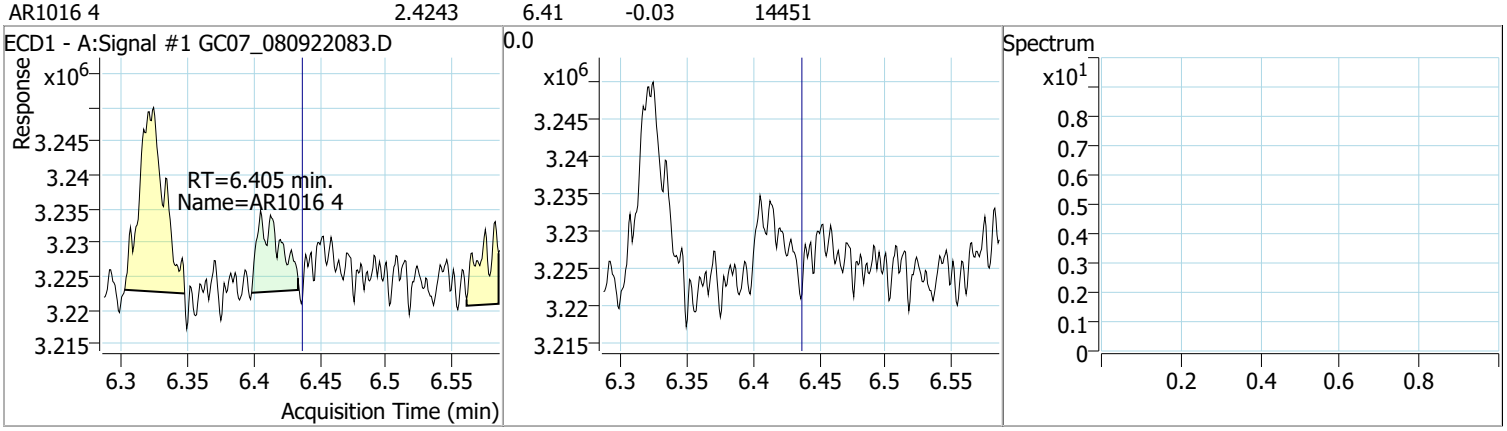
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	0.0000	6.29	-0.01	3523				



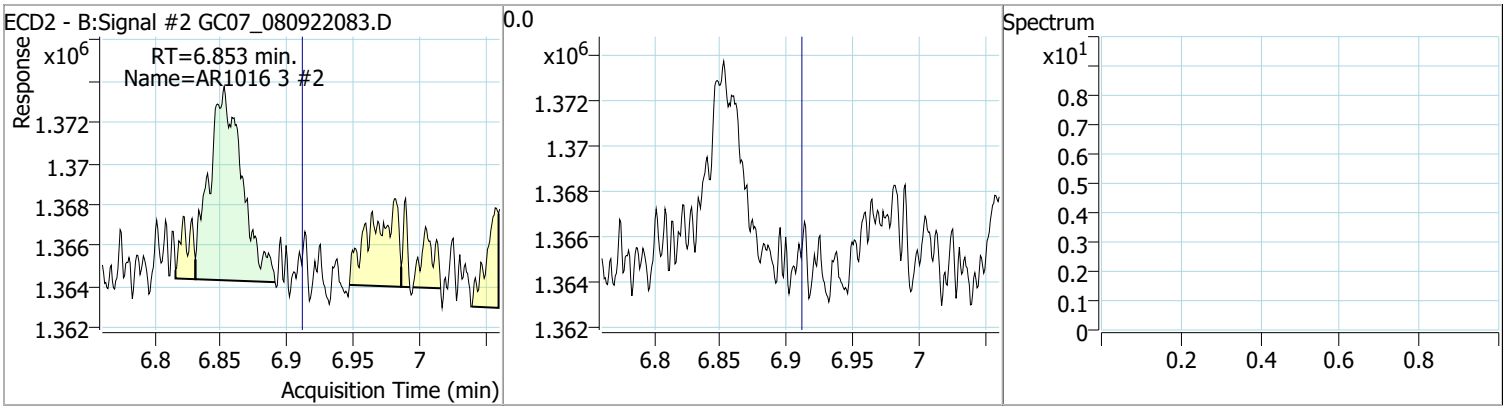
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	12.7425	6.29	-0.05	36553				



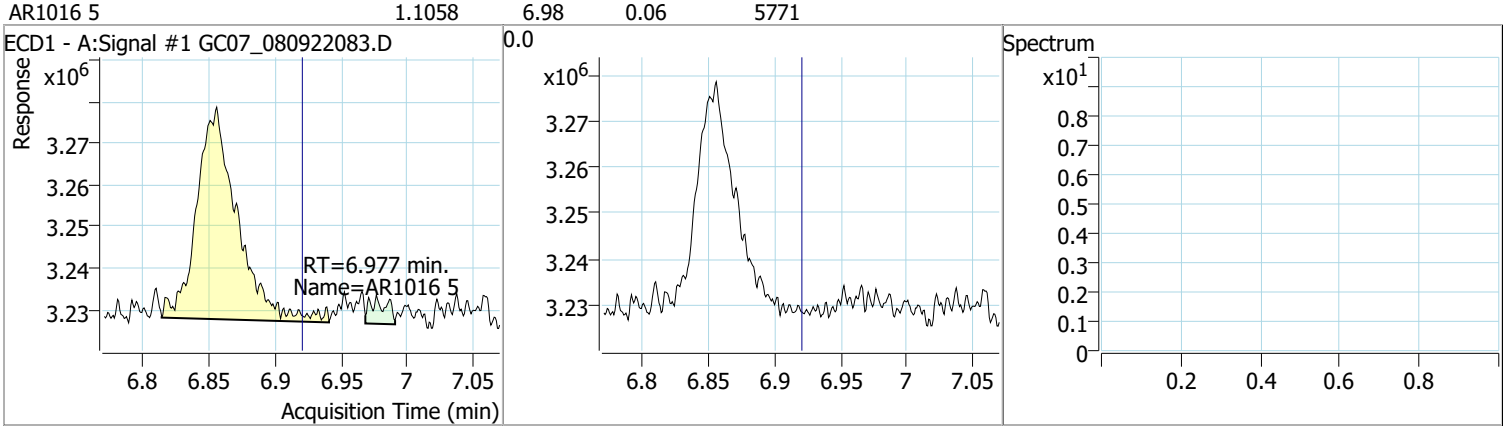
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	2.4243	6.41	-0.03	14451				



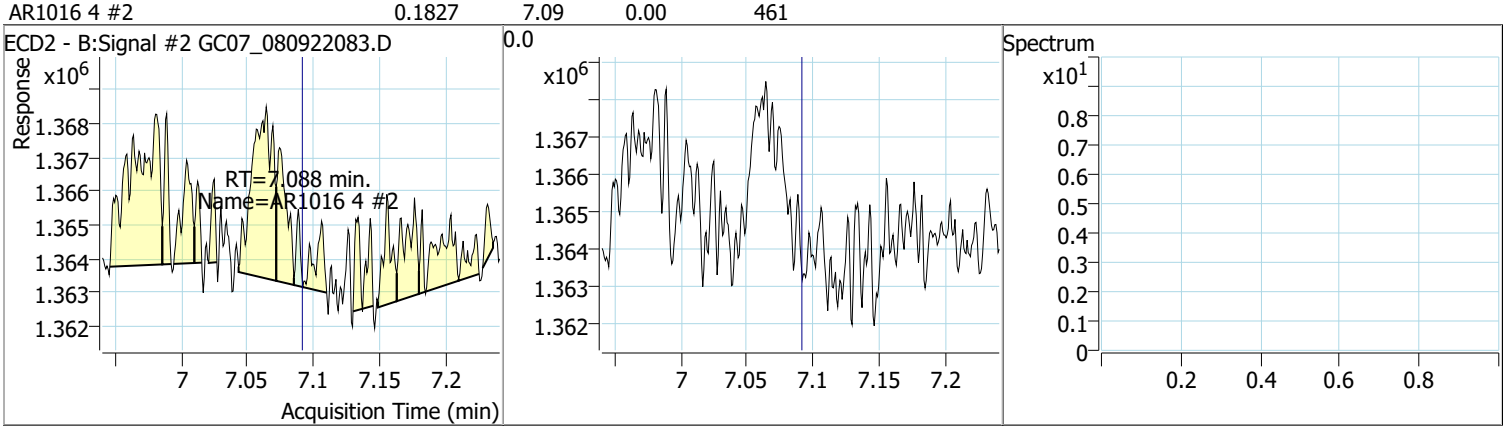
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	4.6377	6.85	-0.06	16166				



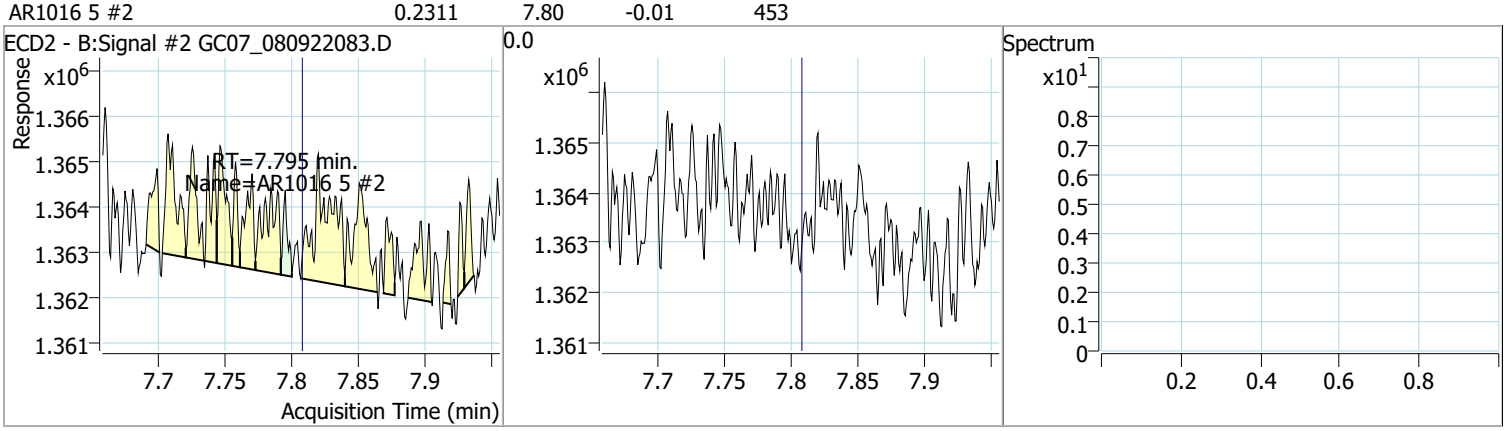
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1.1058	6.98	0.06	5771				



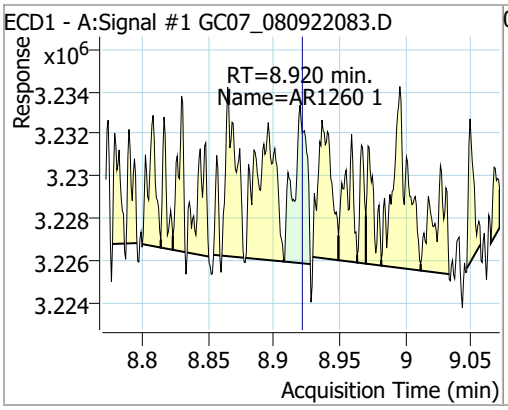
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.1827	7.09	0.00	461				

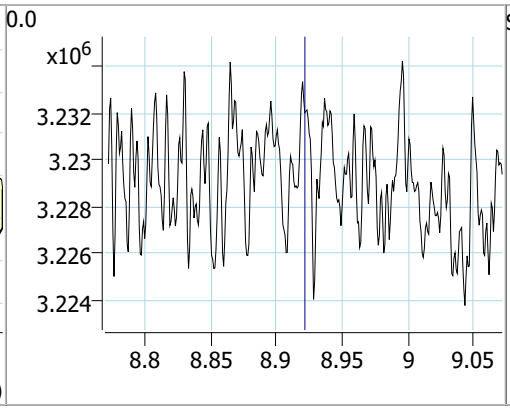


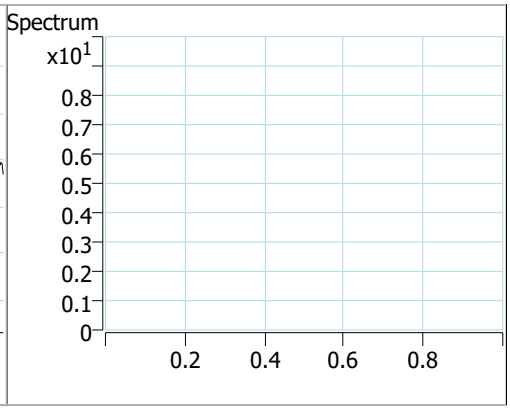
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.2311	7.80	-0.01	453				



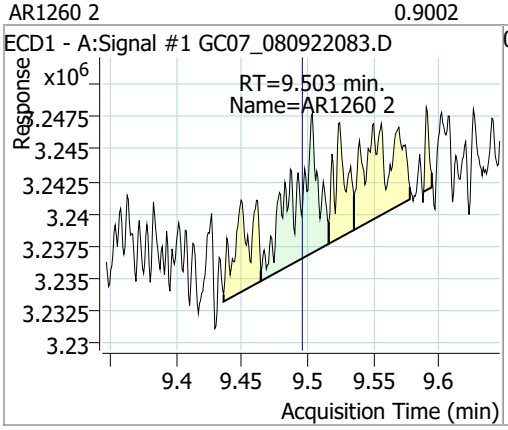
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	0.4943	8.92	0.00	5124				

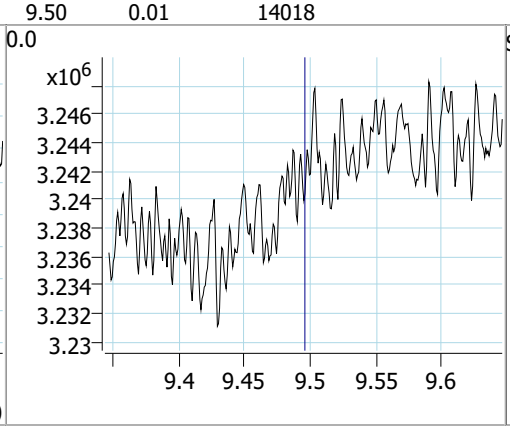


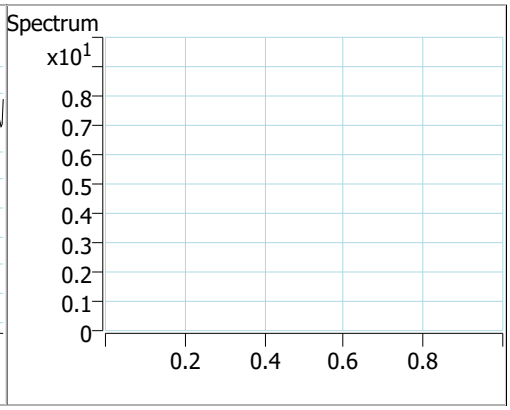




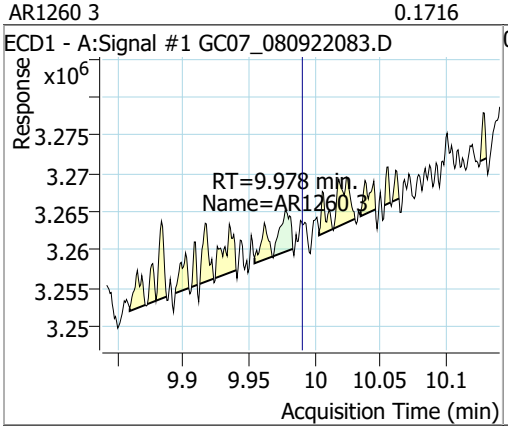
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.9002	9.50	0.01	14018				

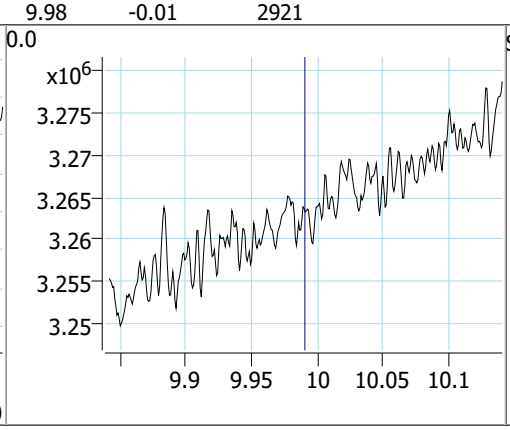


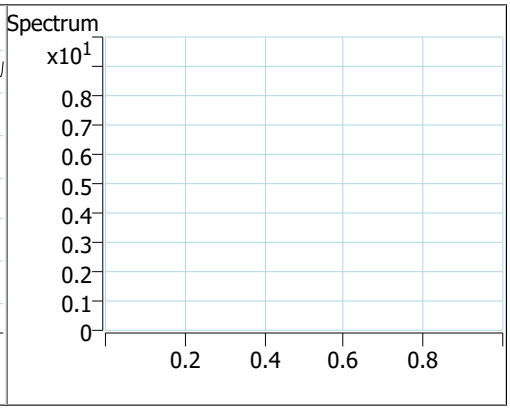




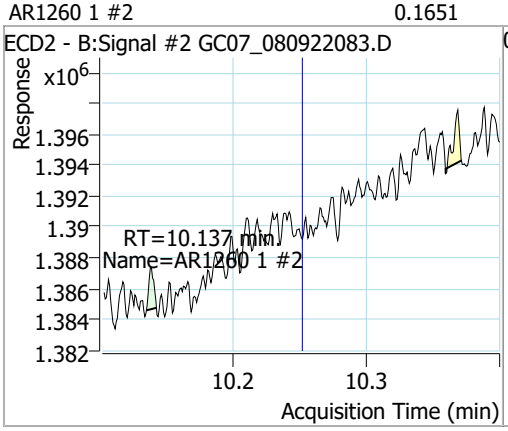
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	0.1716	9.98	-0.01	2921				

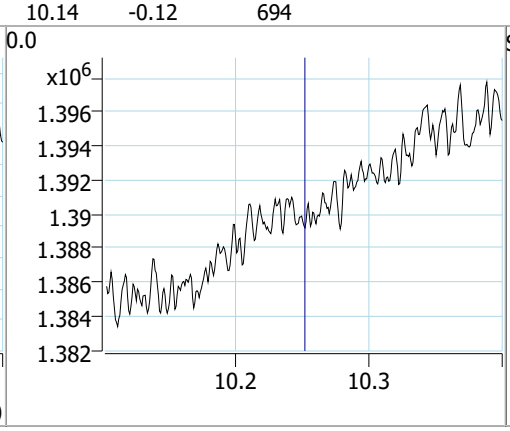


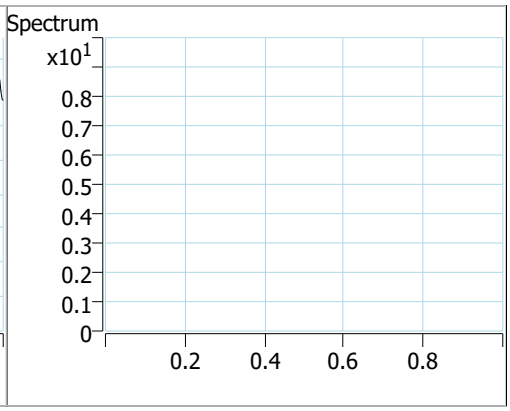




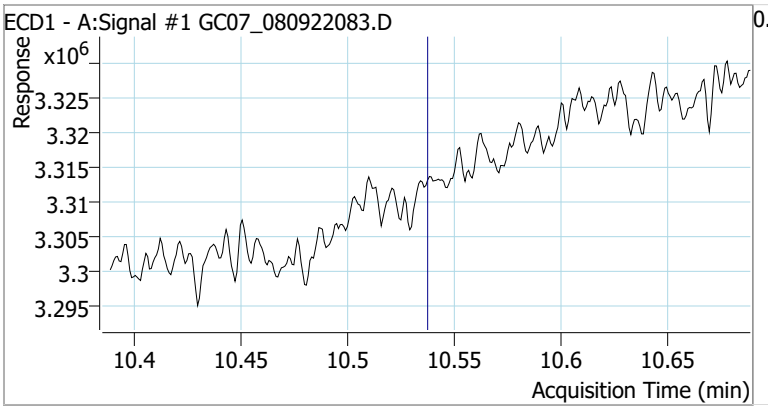
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	0.1651	10.14	-0.12	694				

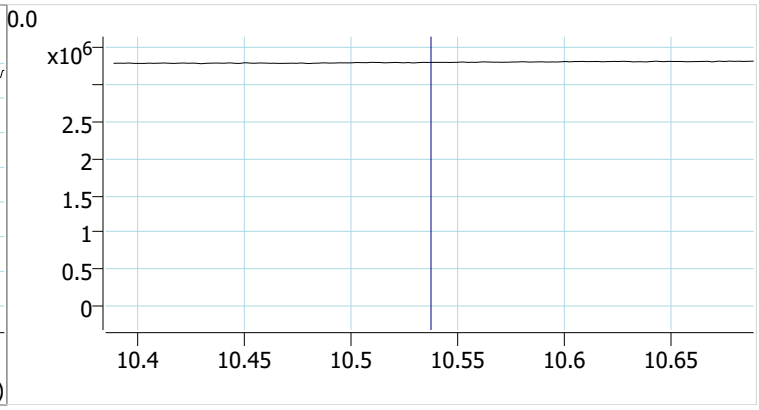




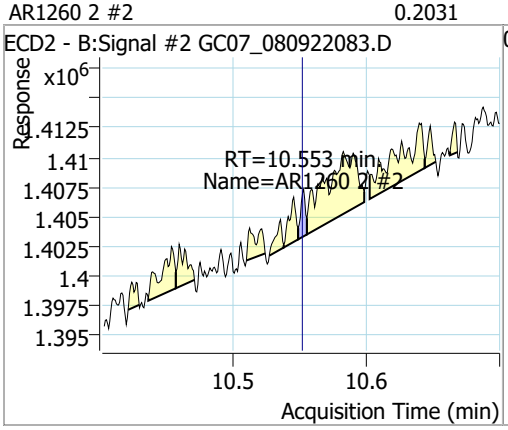


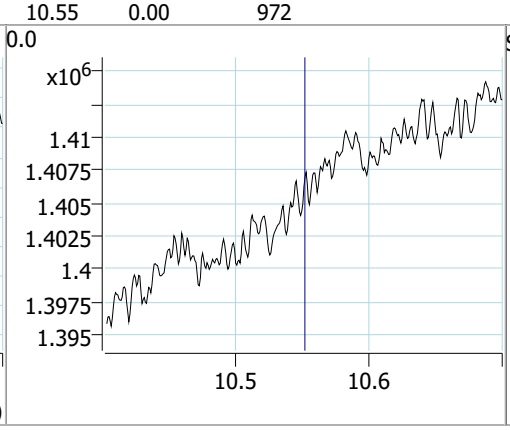
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 4	N.D.	10.54		

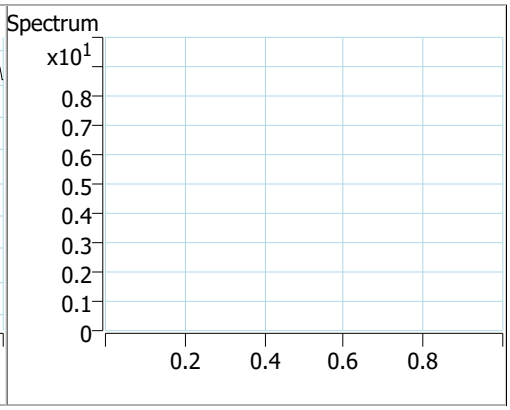




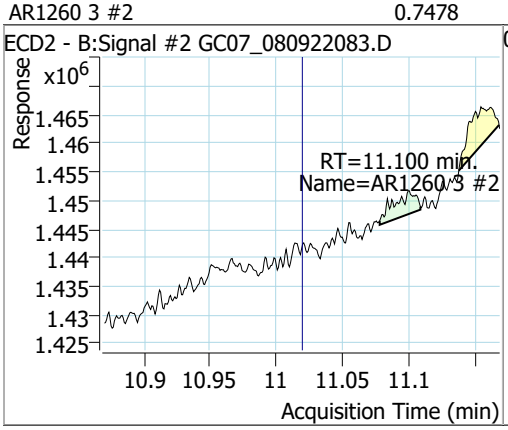
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	0.2031	10.55	0.00	972				

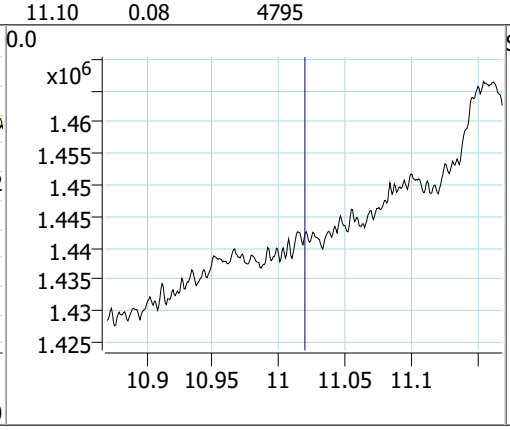


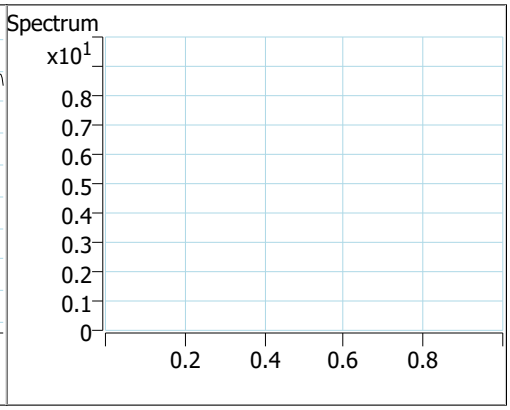




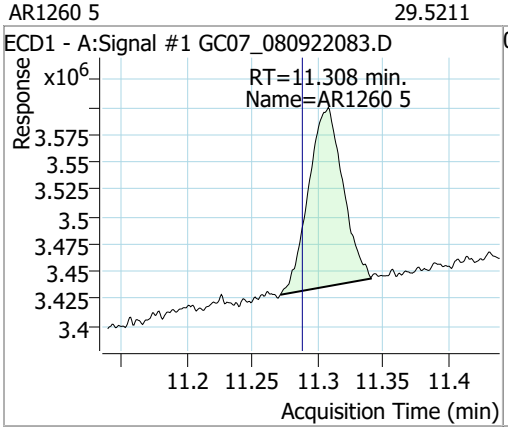
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	0.7478	11.10	0.08	4795				

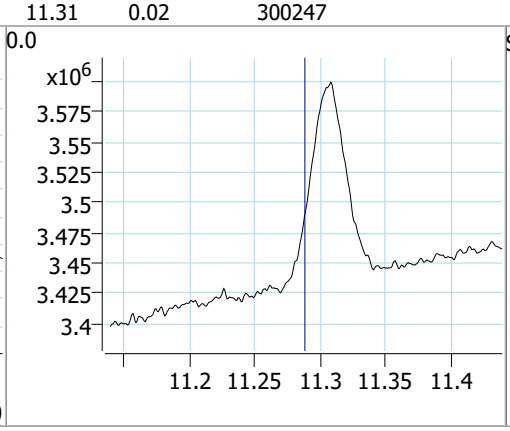


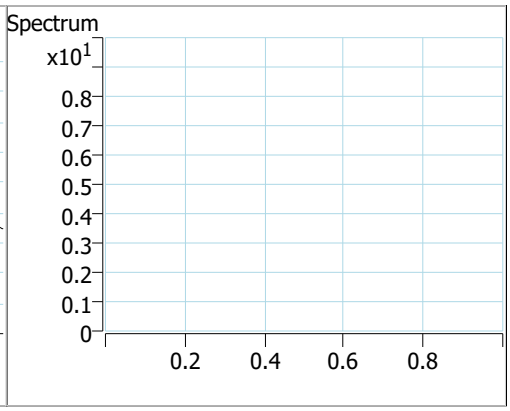




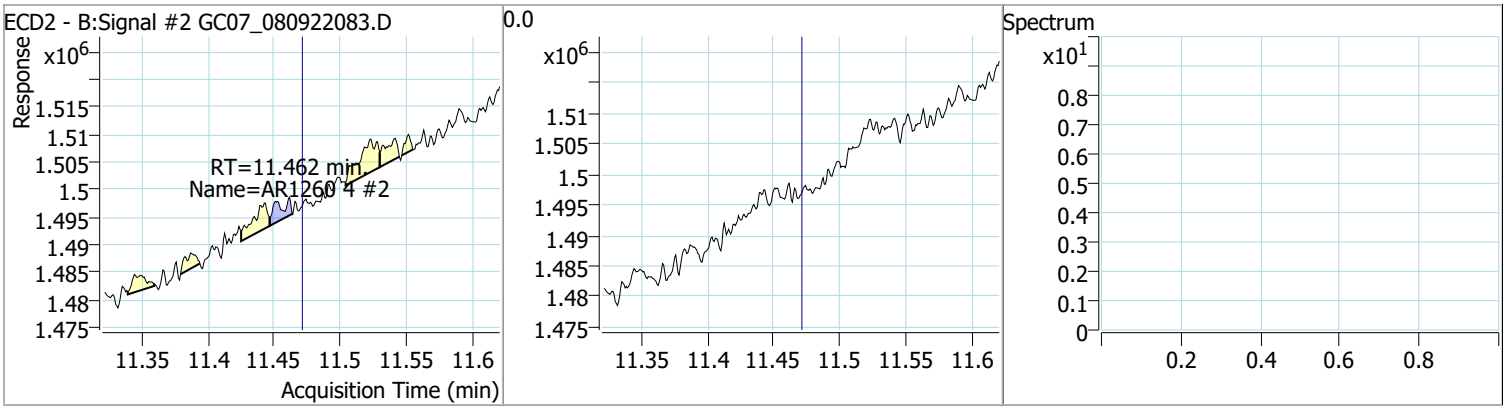
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	29.5211	11.31	0.02	300247				



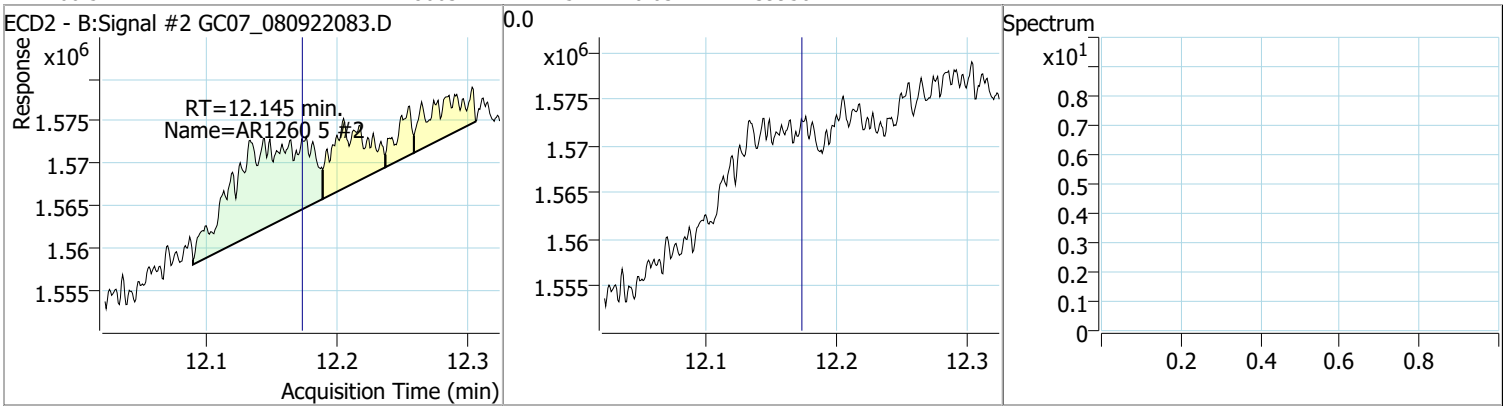




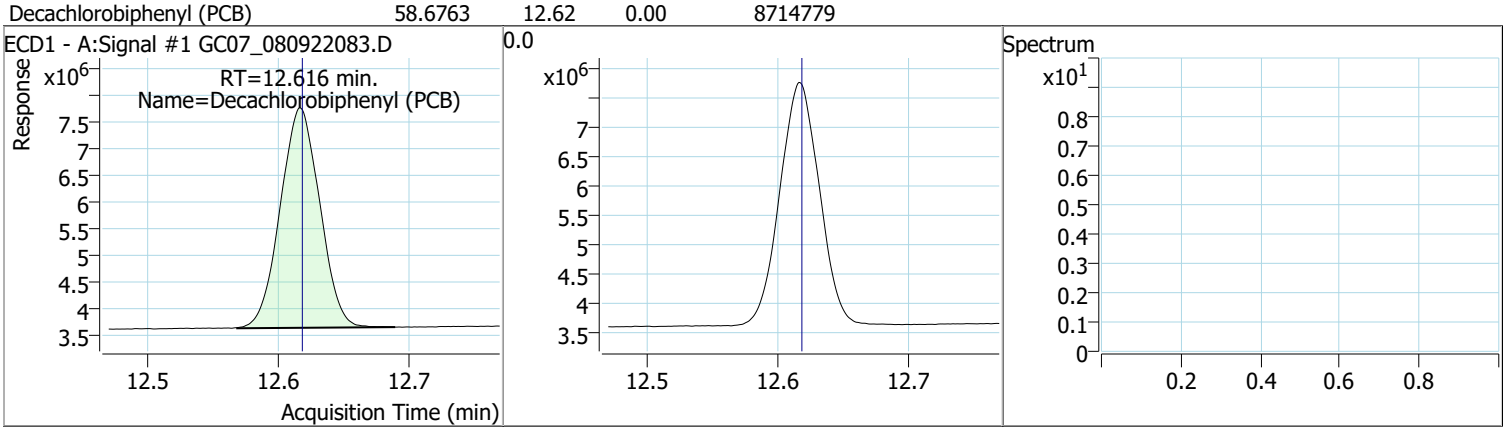
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.7739	11.46	-0.01	2434				



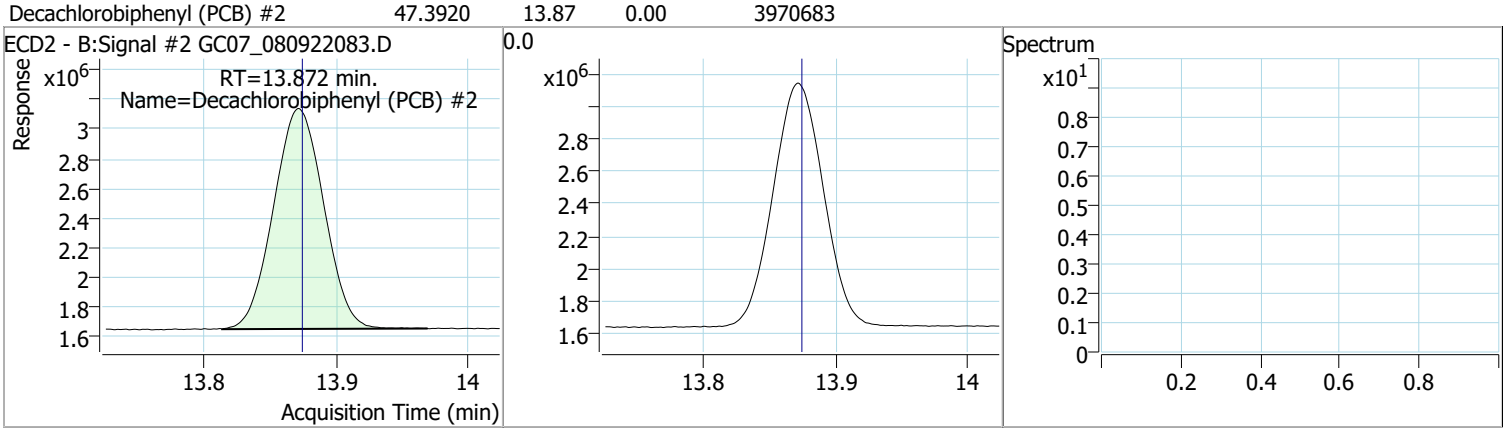
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	7.8663	12.15	-0.03	39950				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	58.6763	12.62	0.00	8714779				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	47.3920	13.87	0.00	3970683				



ENTHALPY SPIKE USER REPORT FOR 466919 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC07	Inst:	SVOA-GC07
Seqnum:	462319236084.1	Seqnum:	462319236085.1
File:	gc07_080922084	File:	gc07_080922085
IDF:	1.0	IDF:	1.0
Lab ID:	QC1005241	Lab ID:	QC1005242
Matrix:	Wipe	Matrix:	Wipe
Batch:	294557	Batch:	294557
Time:	10-AUG-2022 11:42	Time:	10-AUG-2022 12:00
Cal:	462317638001	Cal:	462317638001
Units:	ug/dm2		

- BS: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Aroclor-1016	5.000	562.7	5.627	B	113	587.8	5.878	B	118	60-140	4	20	u
Aroclor-1016 Peak # 1		583.9	5.839	B		608.2	6.082	B					
Aroclor-1016 Peak # 2		556.3	5.563	B		580.5	5.805	B					
Aroclor-1016 Peak # 3		548.0	5.480	B		569.3	5.693	B					
Aroclor-1016 Peak # 4		552.8	5.528	B		580.9	5.809	B					
Aroclor-1016 Peak # 5		572.5	5.725	B		600.0	6.000	B					
Aroclor-1260	5.000	567.7	5.677	B	114	596.2	5.962	B	119	60-140	5	20	u
Aroclor-1260 Peak # 1		557.9	5.579	B		587.0	5.870	B					
Aroclor-1260 Peak # 2		546.8	5.468	B		573.6	5.736	B					
Aroclor-1260 Peak # 3		516.3	5.163	B		542.0	5.420	B					
Aroclor-1260 Peak # 4		623.0	6.230	B		652.3	6.523	B					
Aroclor-1260 Peak # 5		594.2	5.942	B		626.1	6.261	B					
Surrogates													
TCMX (PCB)	0.5000	52.52	0.5252	B	105	55.55	0.5555	B	111	52-186			c- u
Decachlorobiphenyl (PCB)	0.5000	47.00	0.4700	B	94	49.09	0.4909	B	98	60-140			c- u

ISTD (CCV gc07_080922063)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	2659137	1455274	-45.27
1-bromo-2-nitrobenzene (PCB)	A	7252655	4102929	-43.43

ISTD (CCV gc07_080922063)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.45	4.45	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.28	4.28	0.00

ISTD (CCV gc07_080922063)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	2659137	1416961	-46.71
1-bromo-2-nitrobenzene (PCB)	A	7252655	4046522	-44.21

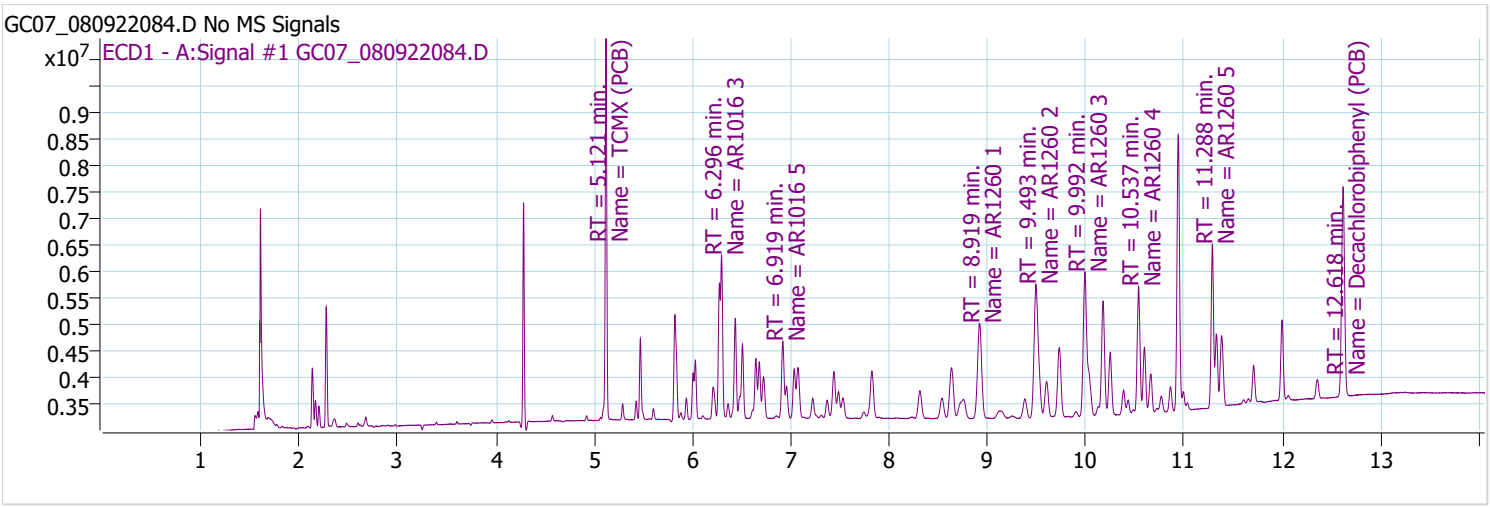
ISTD (CCV gc07_080922063)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.45	4.45	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.28	4.28	0.00

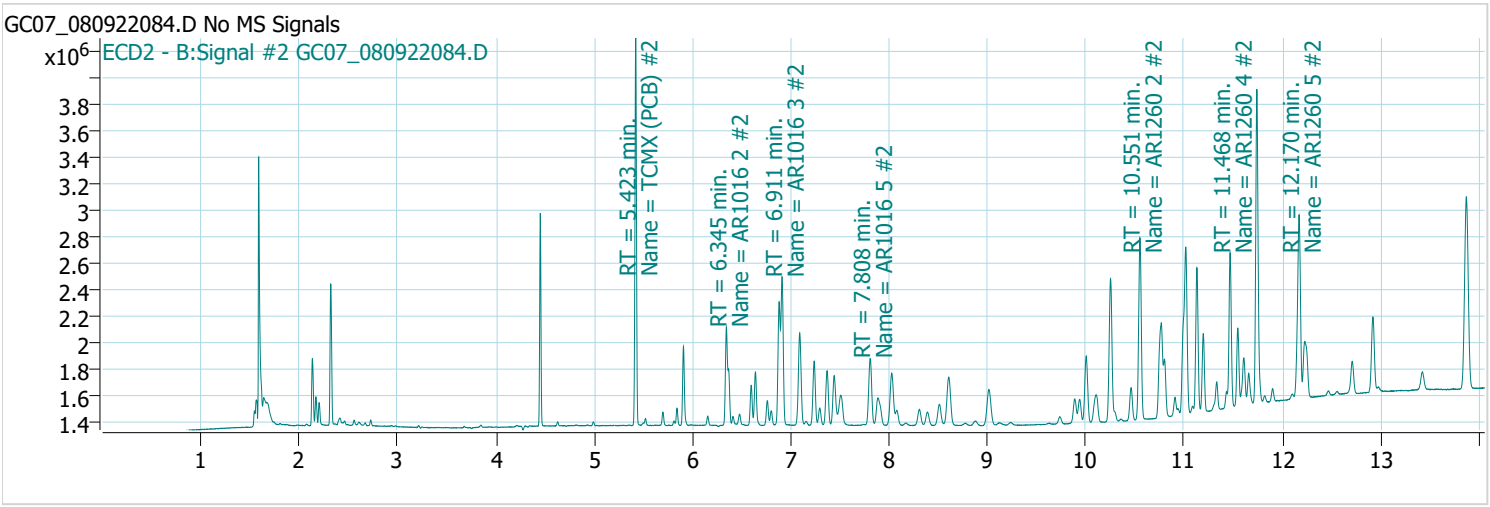
Analyst: TRN 08/10/22

Reviewer: SLL 08/12/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_080922084.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	8/10/2022 11:42:52 AM
Sample Name	QC1005241, 294557, 1	Instrument	SVOA-GC07
Vial	38	Multiplier	1.00
DA Method File	PCB_608_080822_GC07_1.m	Comment	WIPE/1DM2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	080922PCB.batch.bin	Last Calib Update	8/9/2022 3:43:56 PM
Ref Library			



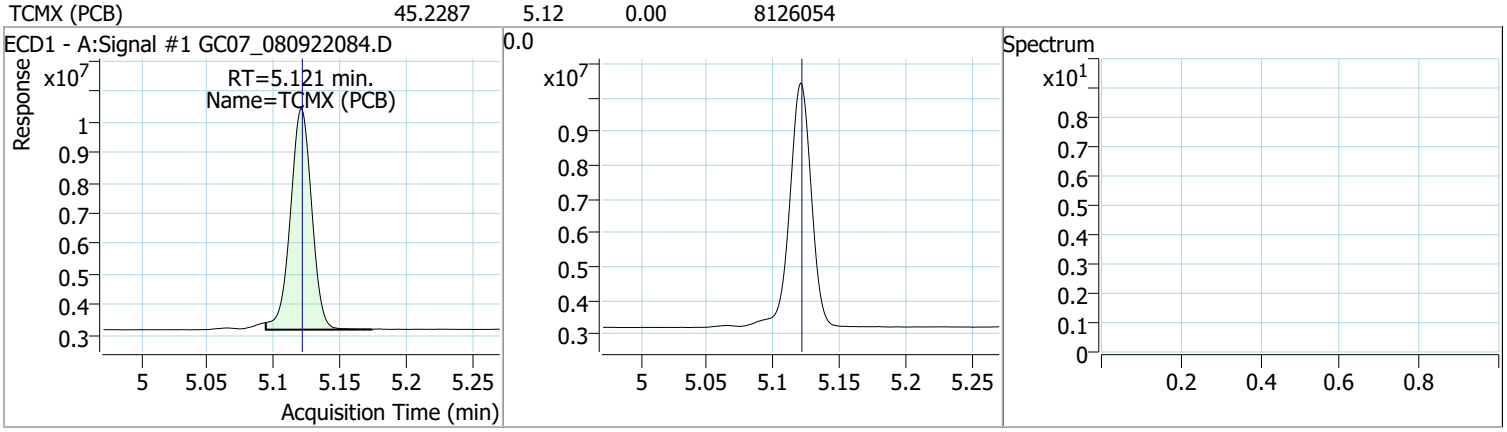


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.283	0.0	4102929.495	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.453	0.0	1455273.785	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.121	0.0	8126054.017	45.2287	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 226.14%		*	
S TCMX (PCB) #2	5.423	0.0	3227388.376	52.4852	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 262.43%		*	
S Decachlorobiphenyl (PCB)	12.618	0.0	8434418.688	57.4519	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 287.26%		*	
S Decachlorobiphenyl (PCB) #2	13.870	0.0	3835640.172	46.9702	ng/ml		-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 234.85%		*	
Target Compounds							QValue

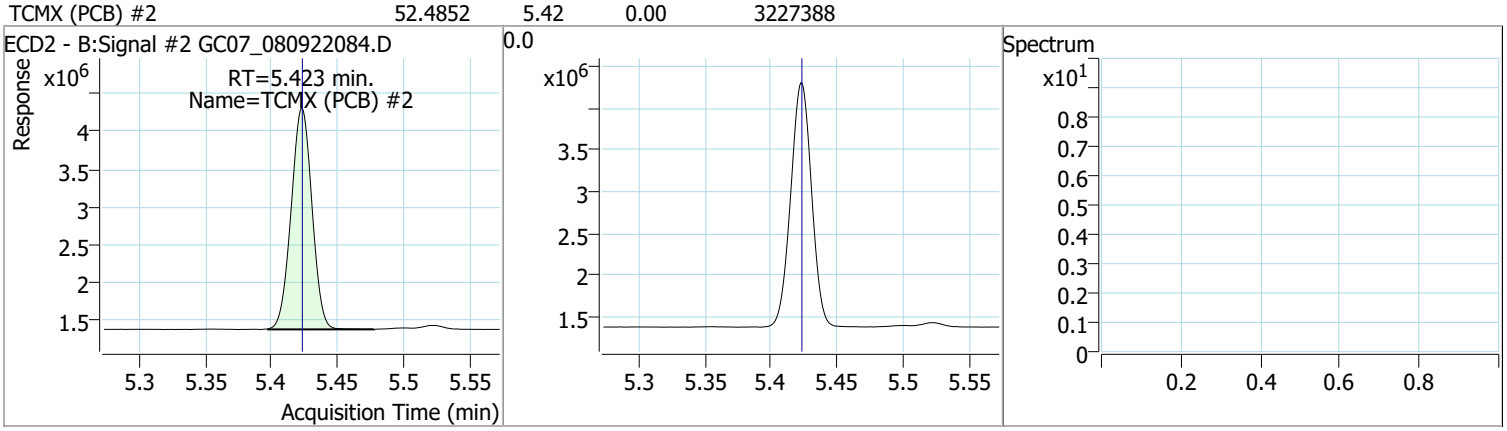
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.470	0.0	1952602.366	531.0281	ng/ml	100
T AR1016 2	5.822	0.0	3735636.609	508.1601	ng/ml	100
T AR1016 1 #2	5.908	0.0	760615.825	583.5288	ng/ml	100
T AR1016 3	6.296	0.0	4498912.641	599.7797	ng/ml	100
T AR1016 2 #2	6.345	0.0	1554491.829	555.9788	ng/ml	100
T AR1016 4	6.436	0.0	2921442.727	496.3087	ng/ml	100
T AR1016 3 #2	6.911	0.0	1860595.701	547.6476	ng/ml	100
T AR1016 5	6.919	0.0	2595828.341	503.6751	ng/ml	100
T AR1016 4 #2	7.091	0.0	1359577.787	552.4927	ng/ml	100
T AR1016 5 #2	7.808	0.0	1091949.288	572.1287	ng/ml	100
T AR1260 1	8.919	0.0	5295394.554	517.2600	ng/ml	100
T AR1260 2	9.493	0.0	7792103.775	506.7170	ng/ml	100
T AR1260 3	9.992	0.0	8139443.563	484.0998	ng/ml	100
T AR1260 1 #2	10.252	0.0	2285223.001	557.6164	ng/ml	100
T AR1260 4	10.537	0.0	4546864.394	596.0726	ng/ml	100
T AR1260 2 #2	10.551	0.0	2550515.299	546.5560	ng/ml	100
T AR1260 3 #2	11.018	0.0	3225270.899	516.0568	ng/ml	100
T AR1260 5	11.288	0.0	5252026.020	522.9322	ng/ml	100
T AR1260 4 #2	11.468	0.0	1908955.698	622.6444	ng/ml	100
T AR1260 5 #2	12.170	0.0	2939687.053	593.8790	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

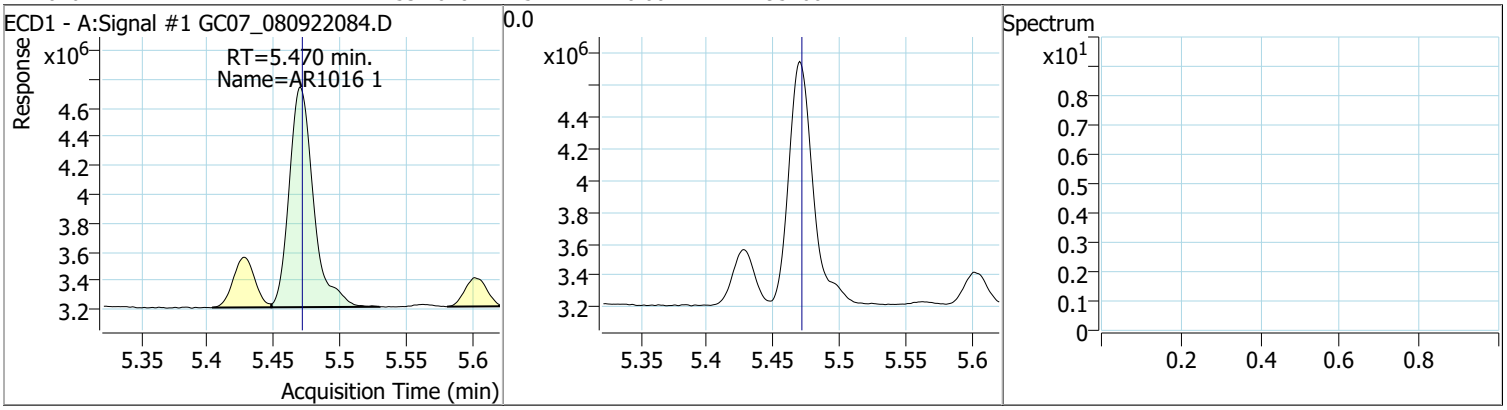
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	45.2287	5.12	0.00	8126054				



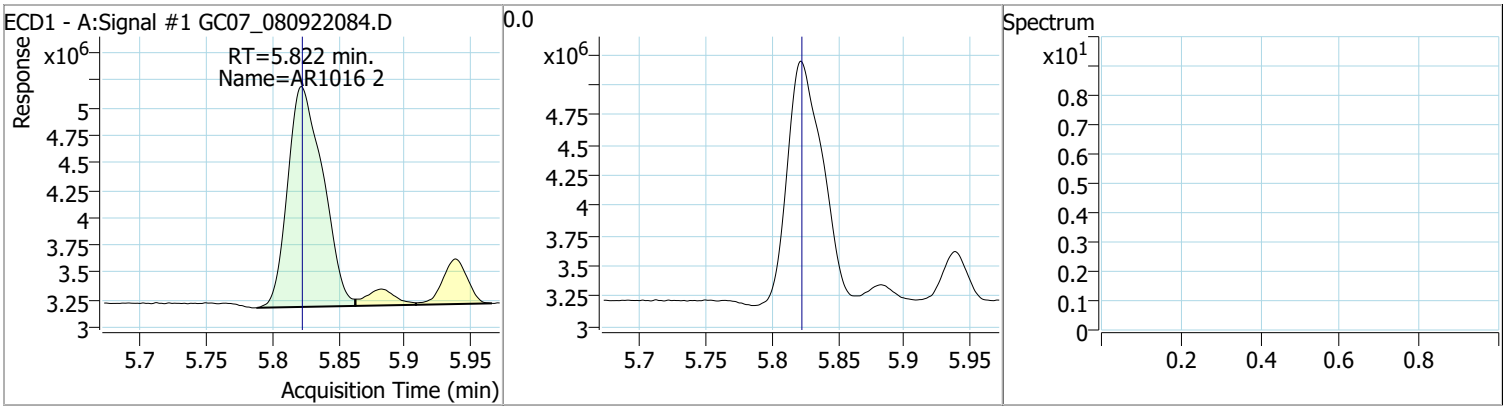
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	52.4852	5.42	0.00	3227388				



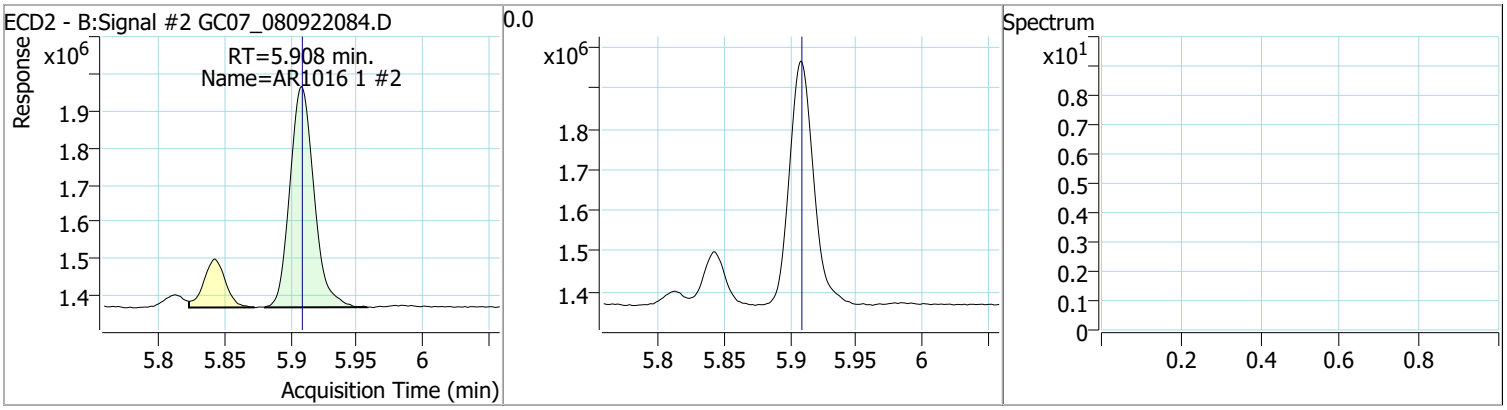
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	531.0281	5.47	0.00	1952602				



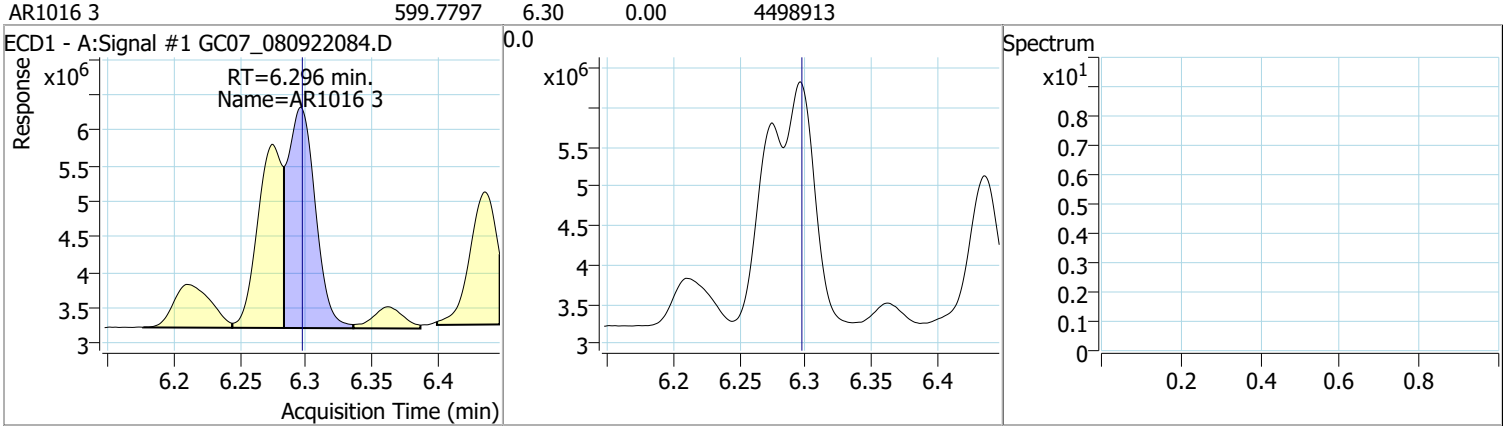
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	508.1601	5.82	0.00	3735637				



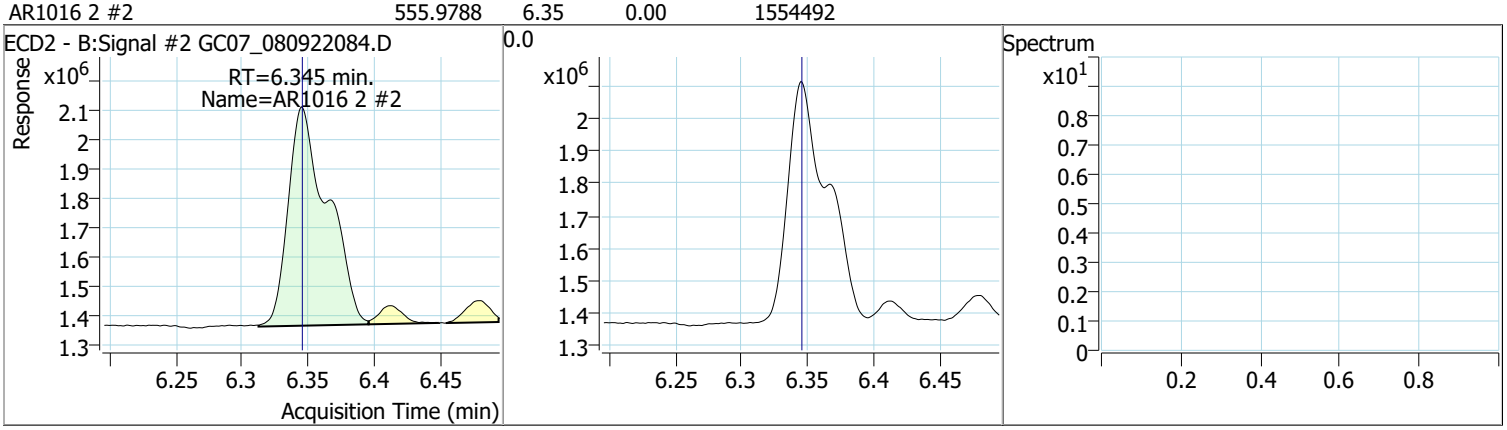
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	583.5288	5.91	0.00	760616				



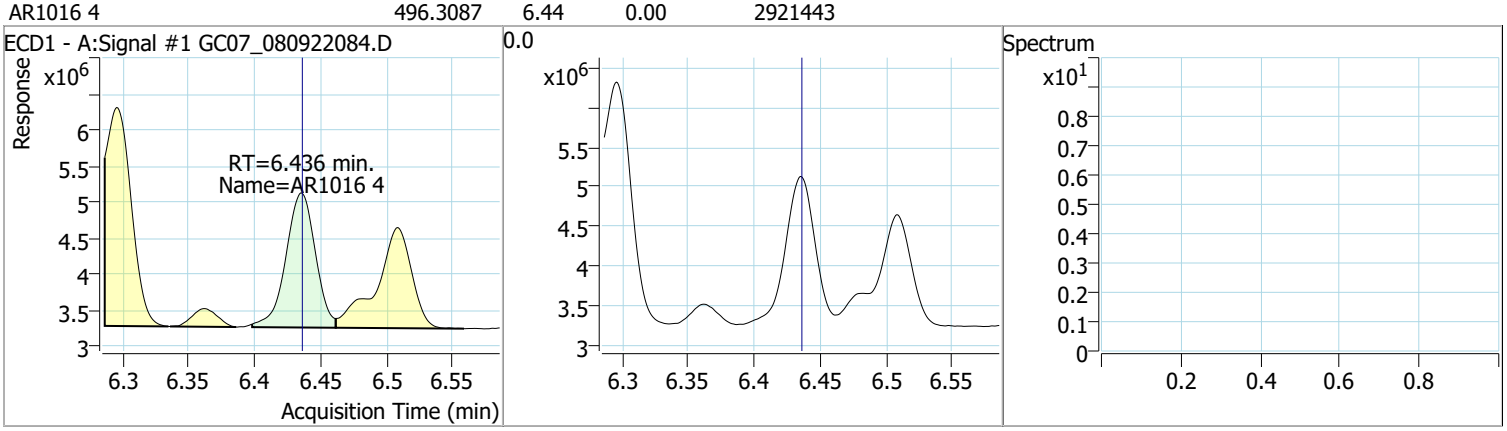
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	599.7797	6.30	0.00	4498913				



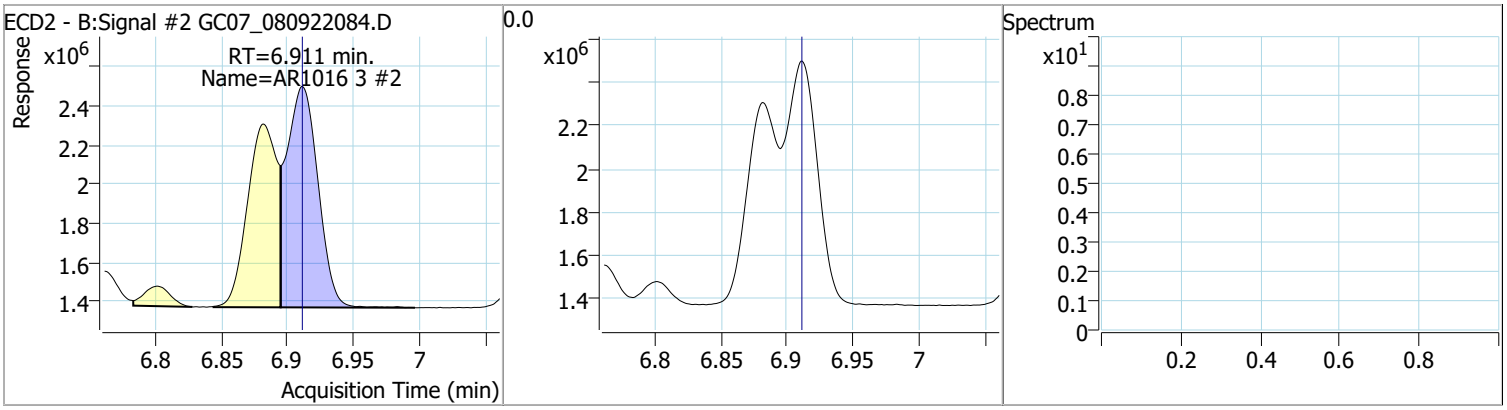
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	555.9788	6.35	0.00	1554492				



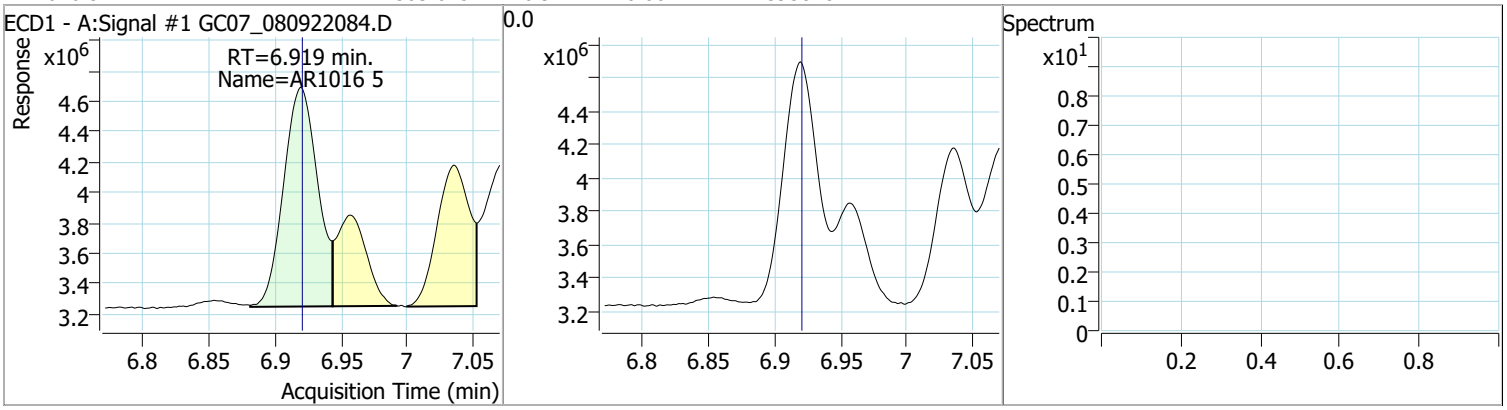
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	496.3087	6.44	0.00	2921443				



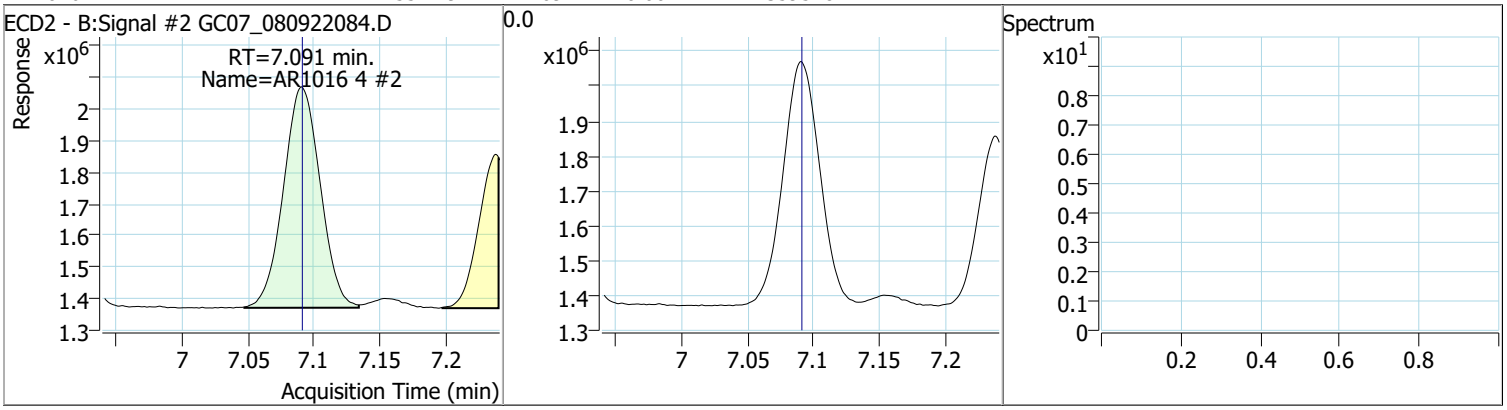
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	547.6476	6.91	0.00	1860596				



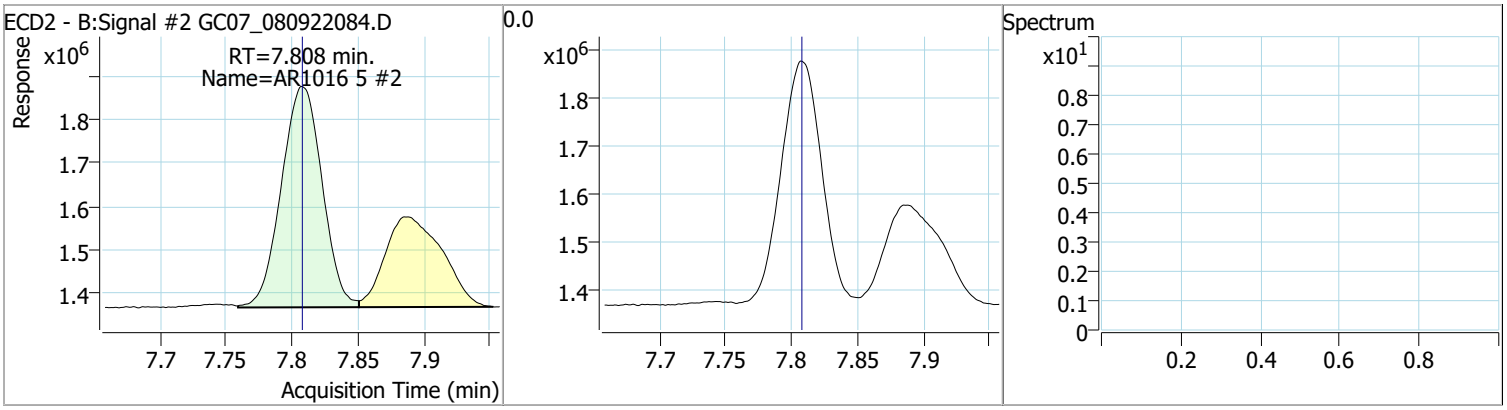
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	503.6751	6.92	0.00	2595828				



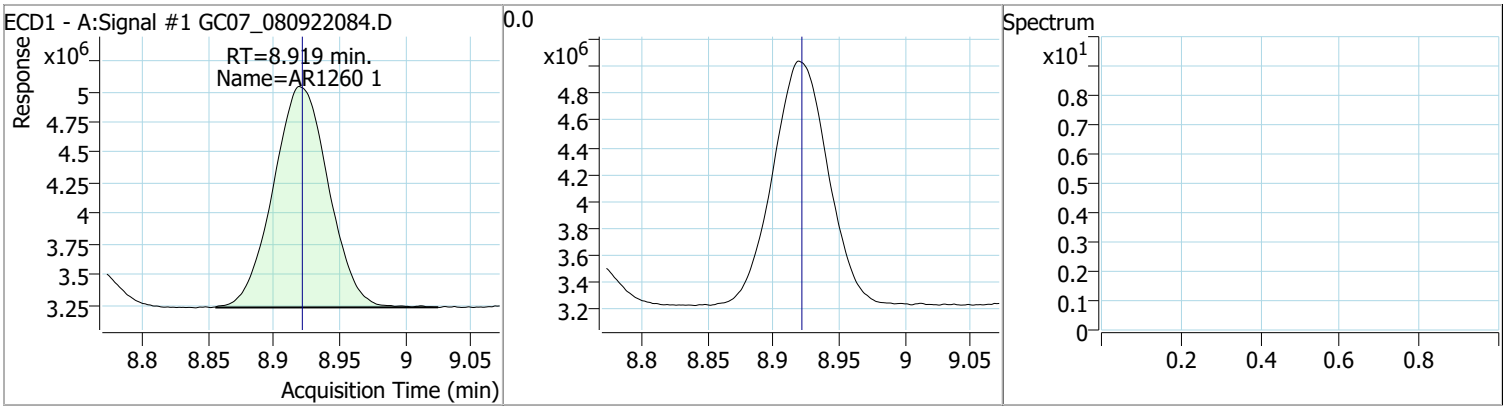
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	552.4927	7.09	0.00	1359578				



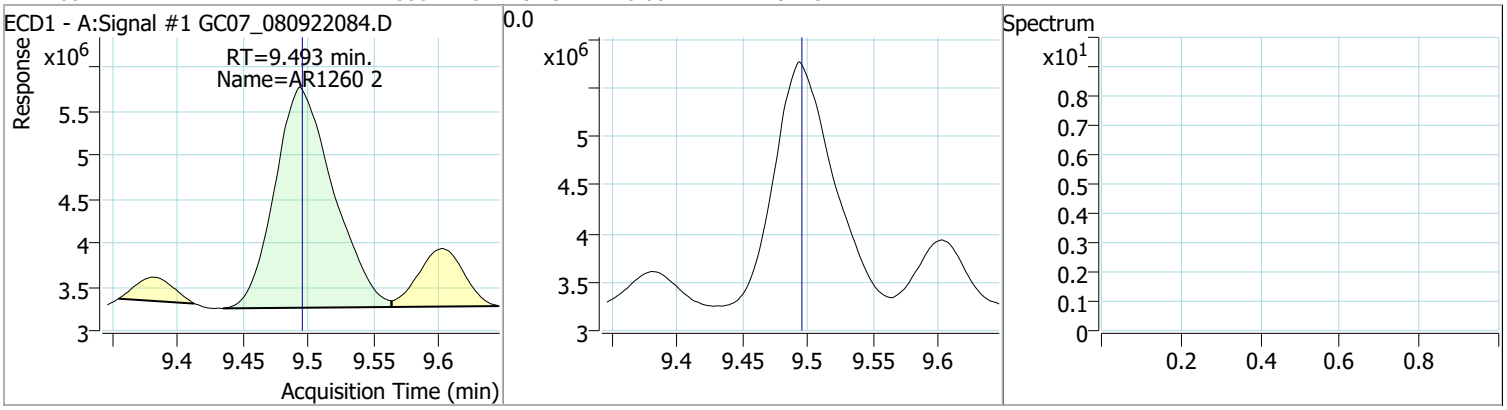
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	572.1287	7.81	0.00	1091949				



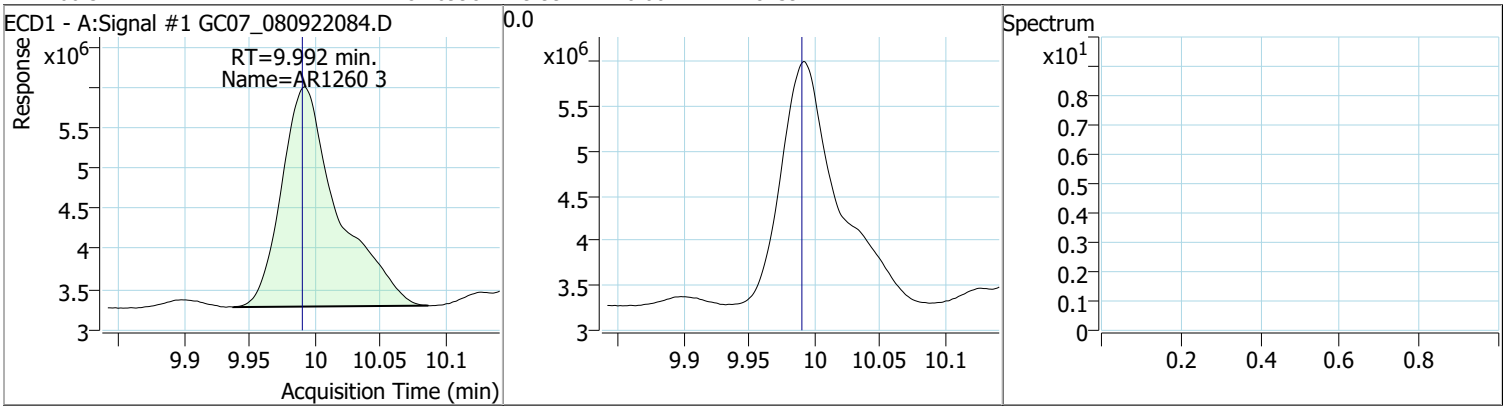
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	517.2600	8.92	0.00	5295395				



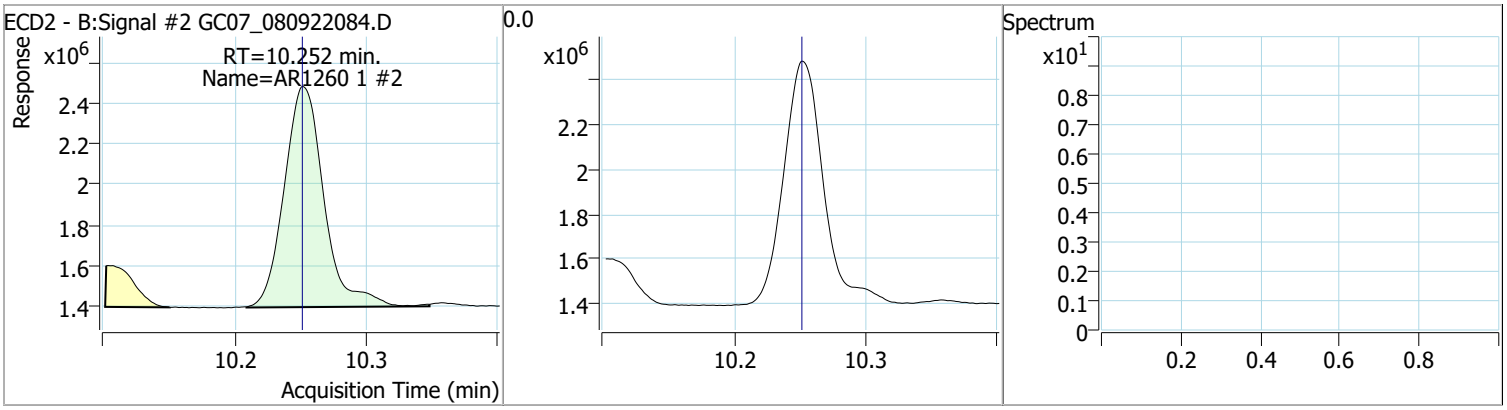
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	506.7170	9.49	0.00	7792104				



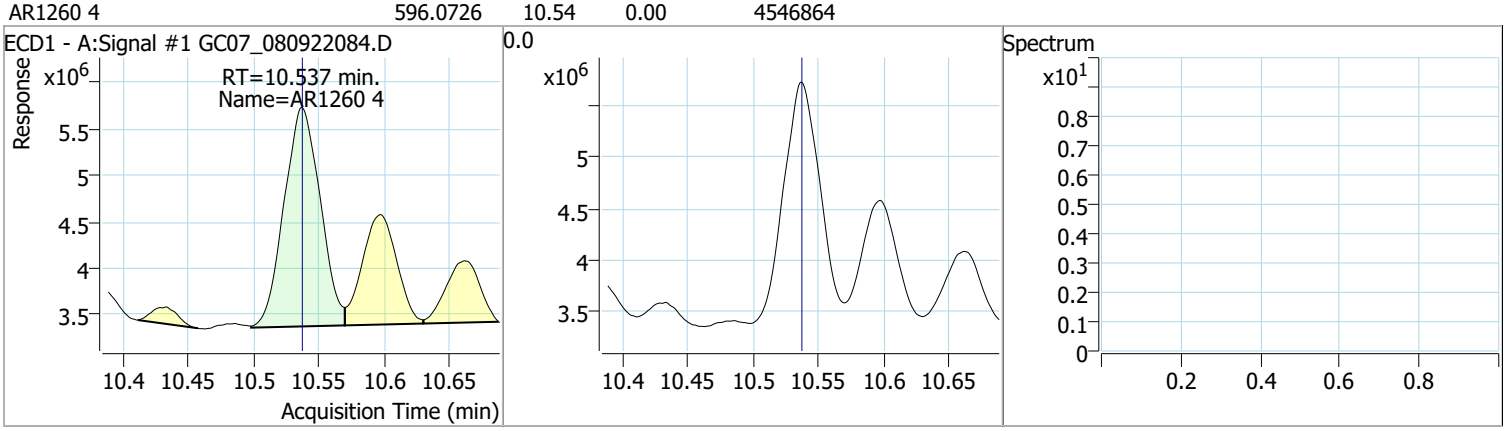
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	484.0998	9.99	0.00	8139444				



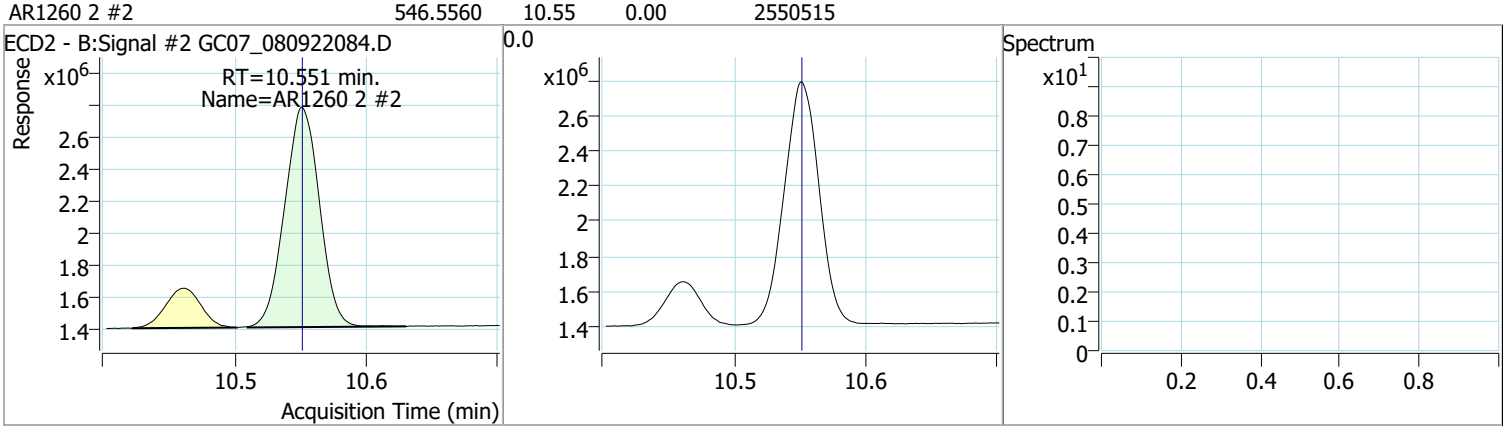
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	557.6164	10.25	0.00	2285223				



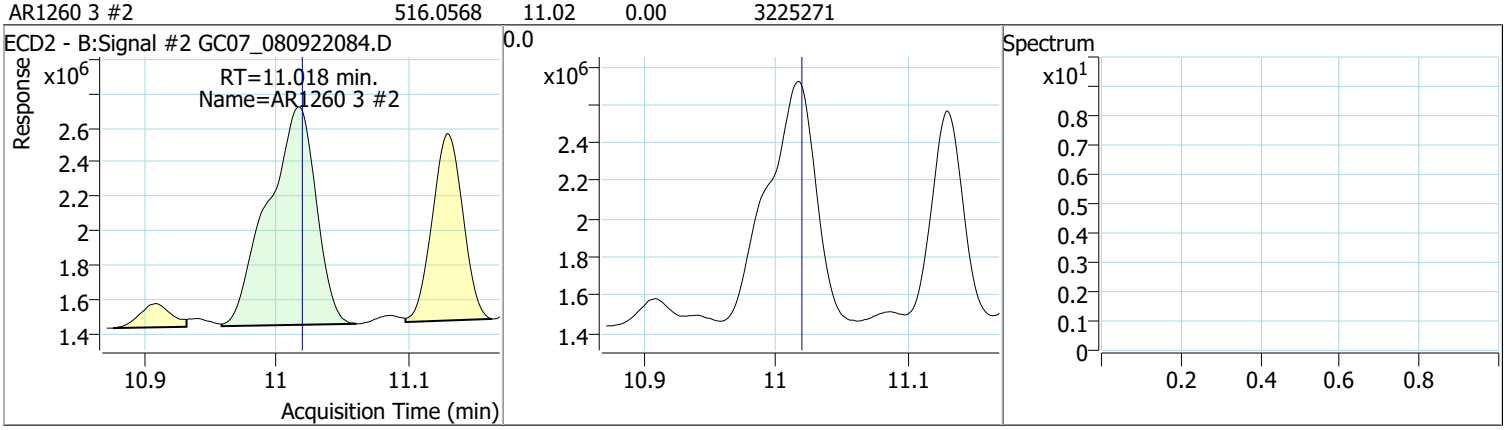
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	596.0726	10.54	0.00	4546864				



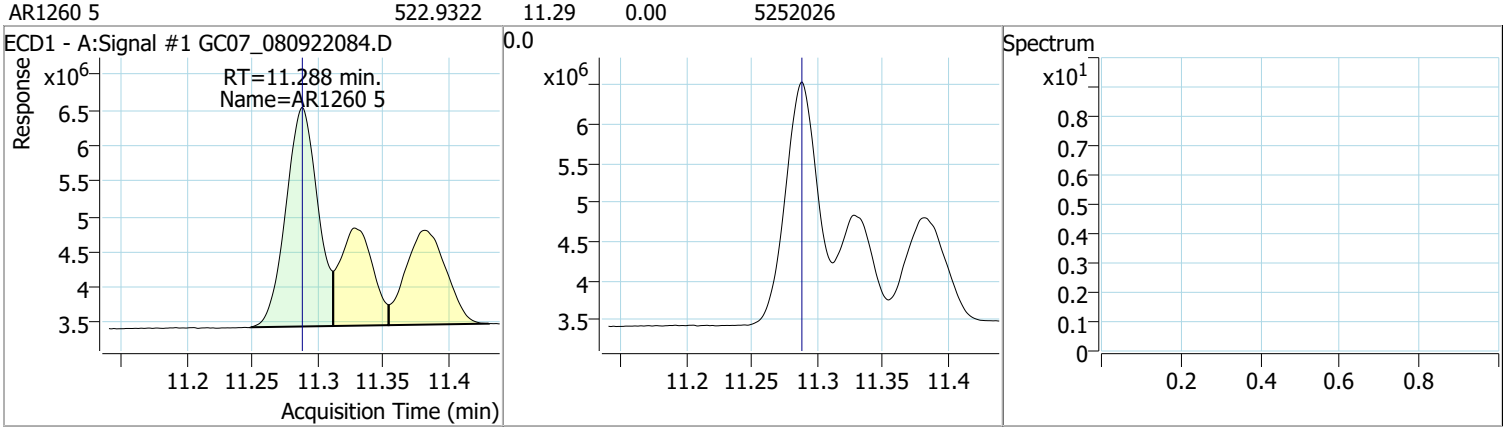
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	546.5560	10.55	0.00	2550515				



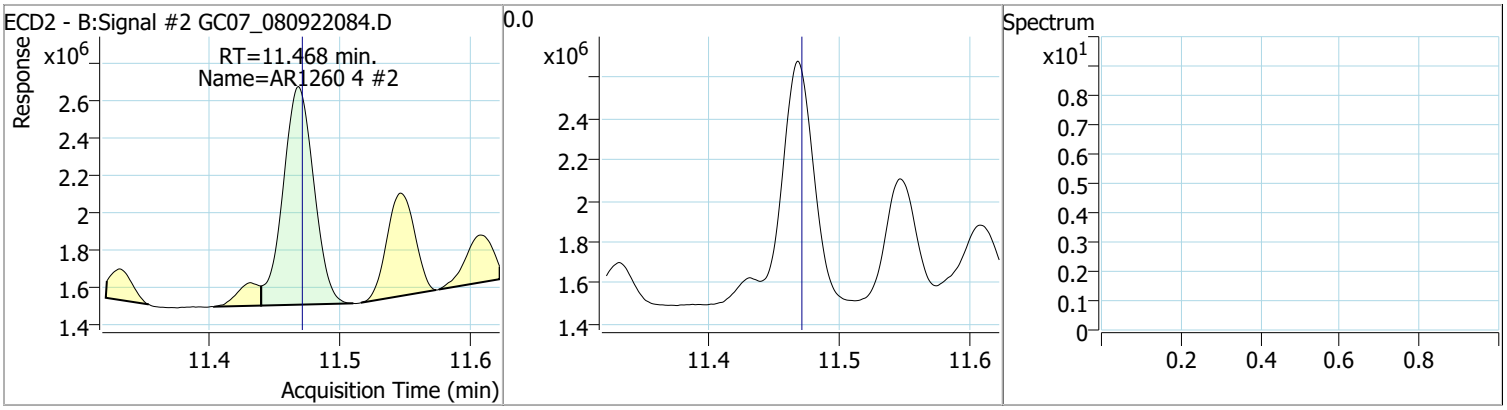
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	516.0568	11.02	0.00	3225271				



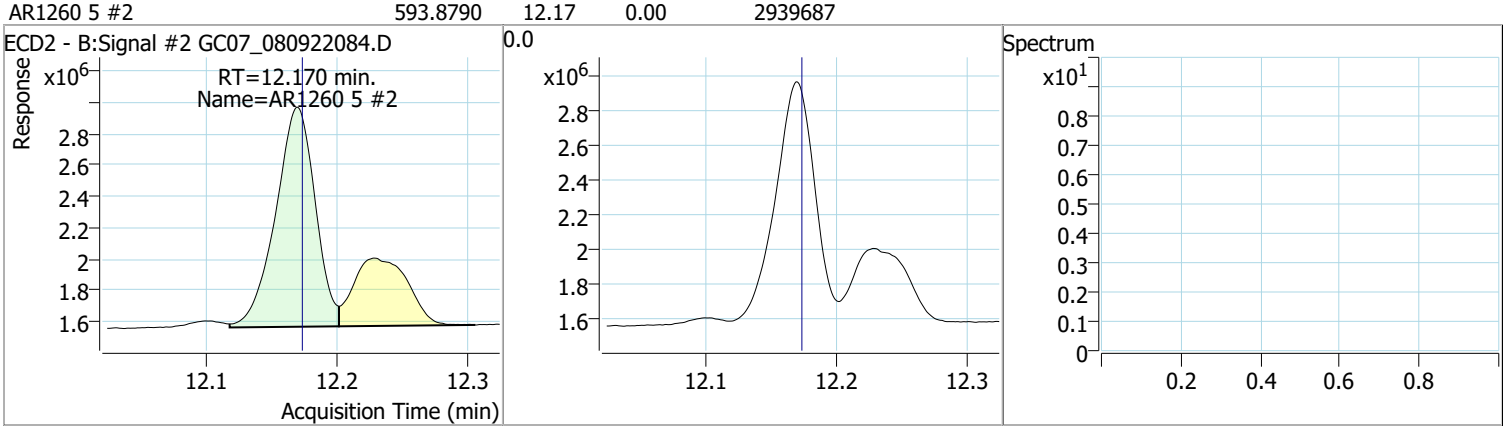
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	522.9322	11.29	0.00	5252026				



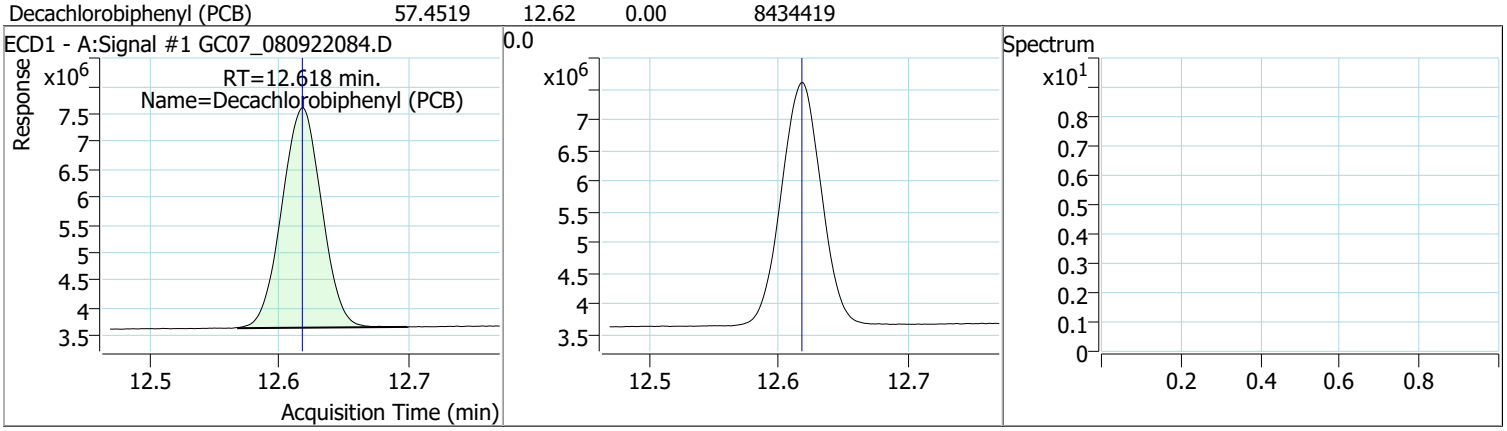
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	622.6444	11.47	0.00	1908956				



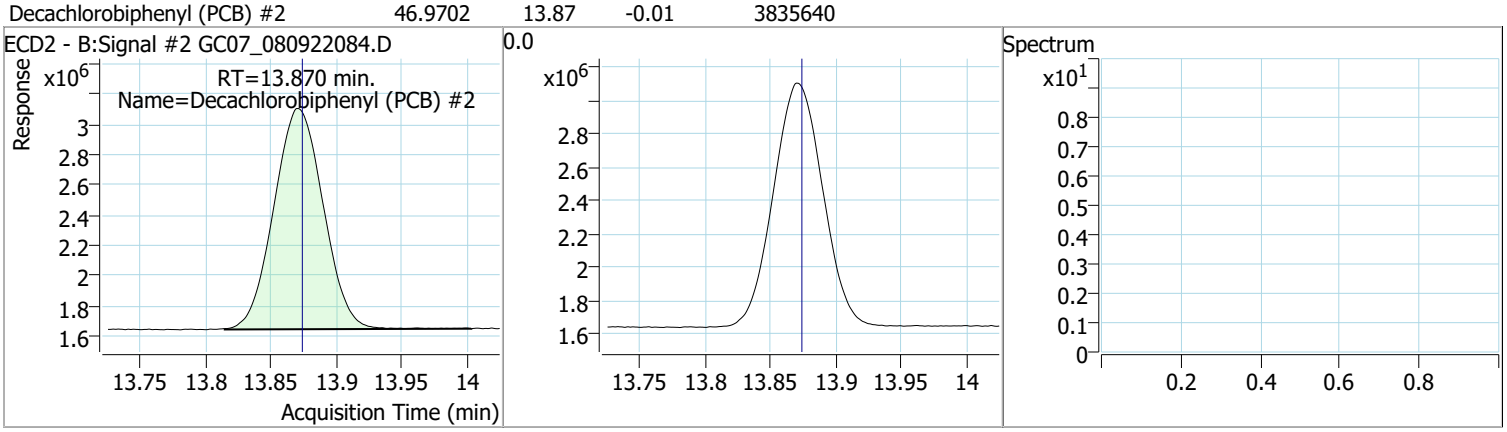
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	593.8790	12.17	0.00	2939687				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	57.4519	12.62	0.00	8434419				

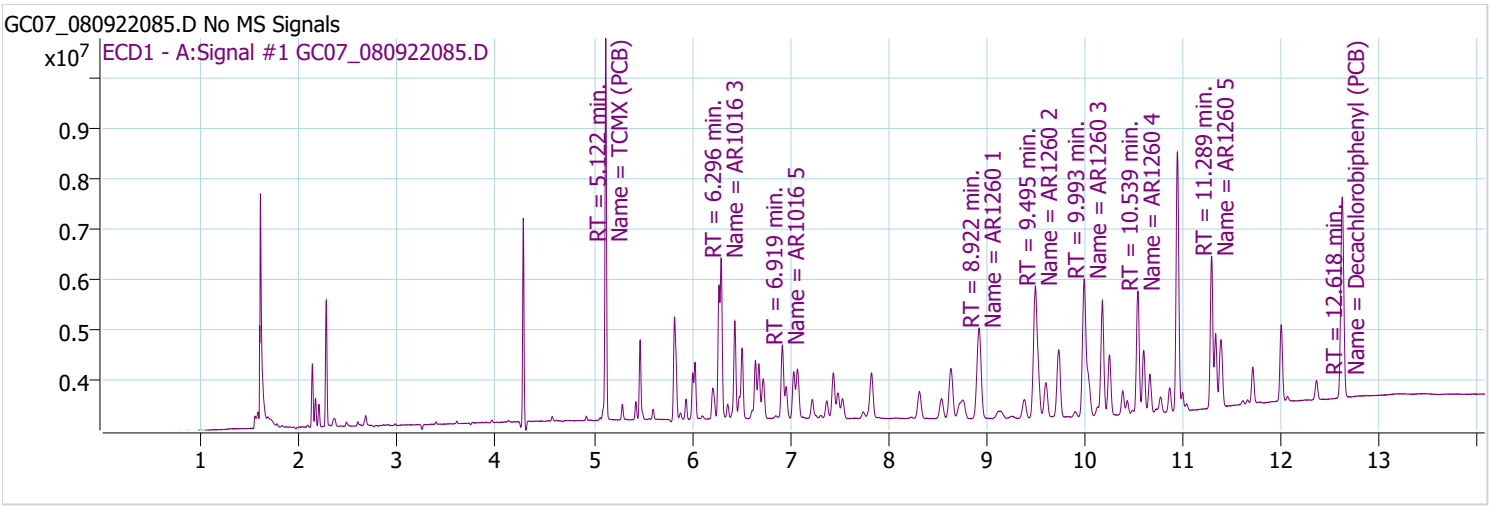


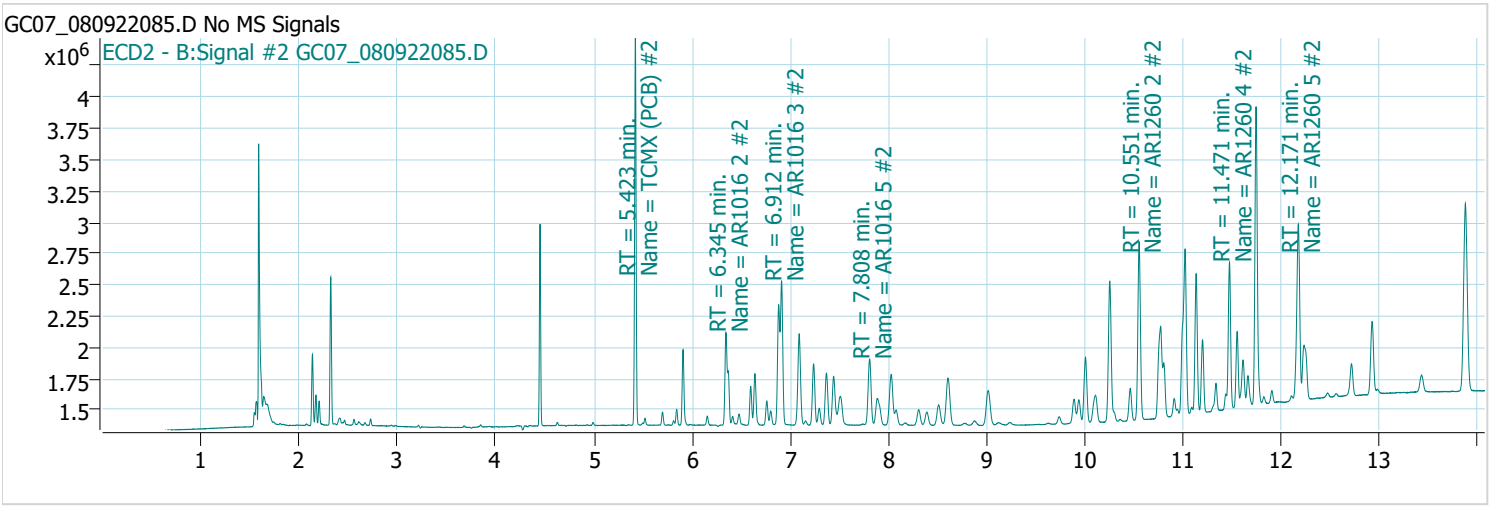
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	46.9702	13.87	-0.01	3835640				



Quantitation Results Report (Not Reviewed)

Data File	GC07_080922085.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	8/10/2022 12:00:28 PM
Sample Name	QC1005242, 294557, 1	Instrument	SVOA-GC07
Vial	39	Multiplier	1.00
DA Method File	PCB_608_080822_GC07_1.m	Comment	WIPE/1DM2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	080922PCB.batch.bin	Last Calib Update	8/9/2022 3:43:56 PM
Ref Library			



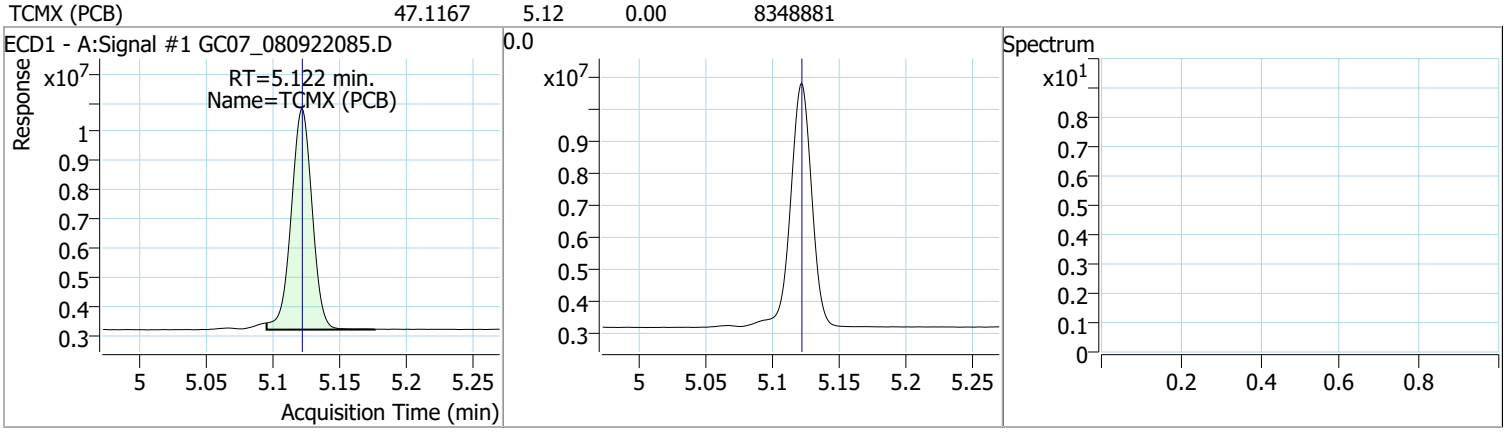


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.283	0.0	4046521.864	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.453	0.0	1416961.322	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.122	0.0	8348880.917	47.1167	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 235.58%		*	
S TCMX (PCB) #2	5.423	0.0	3323907.609	55.5164	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 277.58%		*	
S Decachlorobiphenyl (PCB)	12.618	0.0	8633611.152	59.7350	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 298.67%		*	
S Decachlorobiphenyl (PCB) #2	13.872	0.0	3901484.345	49.0683	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 245.34%		*	
Target Compounds							QValue

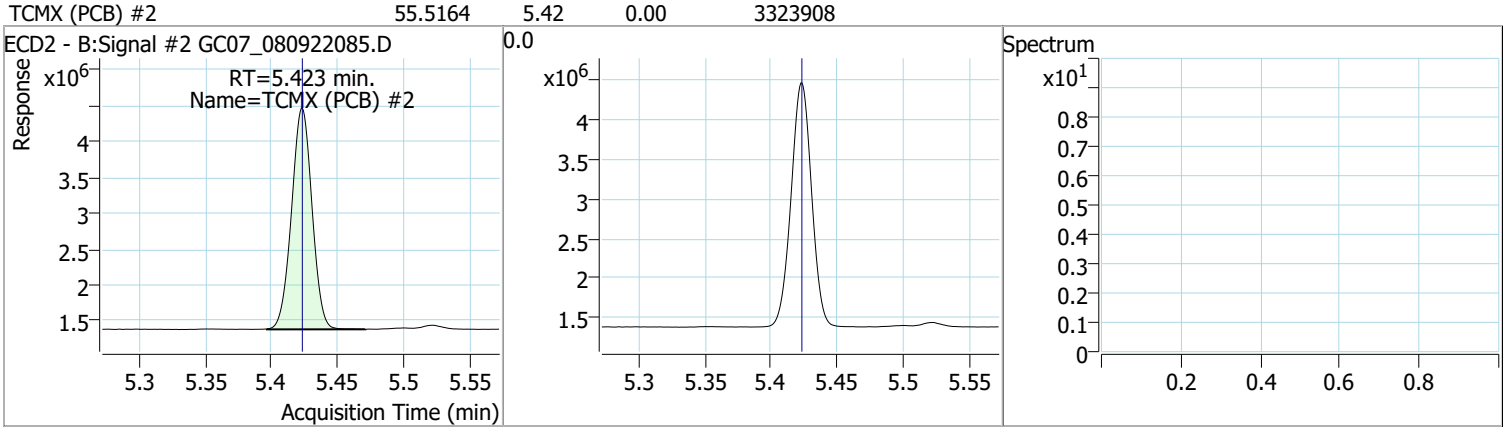
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.472	0.0	1995995.613	550.3962	ng/ml	100
T AR1016 2	5.822	0.0	3792292.403	523.0581	ng/ml	100
T AR1016 1 #2	5.908	0.0	771454.043	607.8462	ng/ml	100
T AR1016 3	6.296	0.0	4523698.760	611.1187	ng/ml	100
T AR1016 2 #2	6.345	0.0	1579476.159	580.1891	ng/ml	100
T AR1016 4	6.436	0.0	2974501.010	512.3666	ng/ml	100
T AR1016 3 #2	6.912	0.0	1882127.777	568.9643	ng/ml	100
T AR1016 5	6.919	0.0	2645071.159	520.3842	ng/ml	100
T AR1016 4 #2	7.091	0.0	1391168.636	580.6160	ng/ml	100
T AR1016 5 #2	7.808	0.0	1114290.870	599.6206	ng/ml	100
T AR1260 1	8.922	0.0	5410596.648	535.8804	ng/ml	100
T AR1260 2	9.495	0.0	7949666.460	524.1696	ng/ml	100
T AR1260 3	9.993	0.0	8318061.289	501.6195	ng/ml	100
T AR1260 1 #2	10.253	0.0	2340905.411	586.6480	ng/ml	100
T AR1260 4	10.539	0.0	4647552.414	617.7654	ng/ml	100
T AR1260 2 #2	10.551	0.0	2604735.494	573.2672	ng/ml	100
T AR1260 3 #2	11.018	0.0	3296629.742	541.7366	ng/ml	100
T AR1260 5	11.289	0.0	5438112.729	549.0082	ng/ml	100
T AR1260 4 #2	11.471	0.0	1946250.061	651.9730	ng/ml	100
T AR1260 5 #2	12.171	0.0	3015564.491	625.6798	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

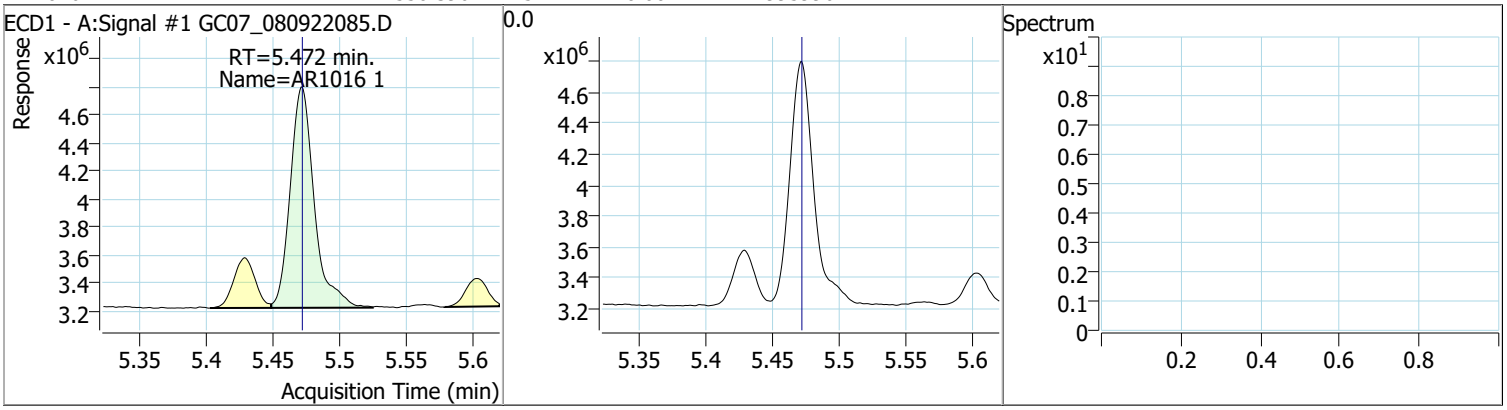
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	47.1167	5.12	0.00	8348881				



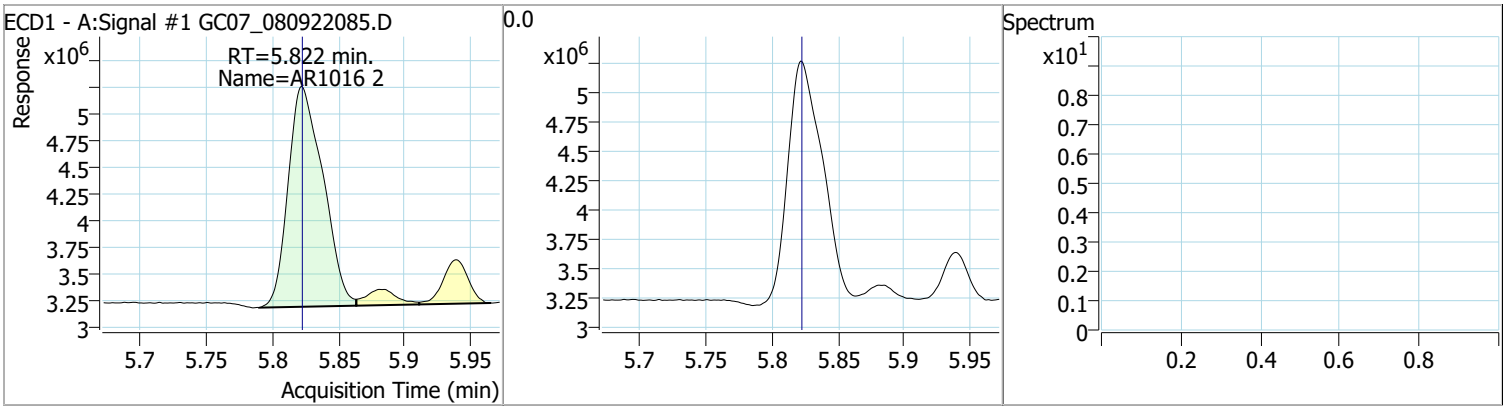
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	55.5164	5.42	0.00	3323908				



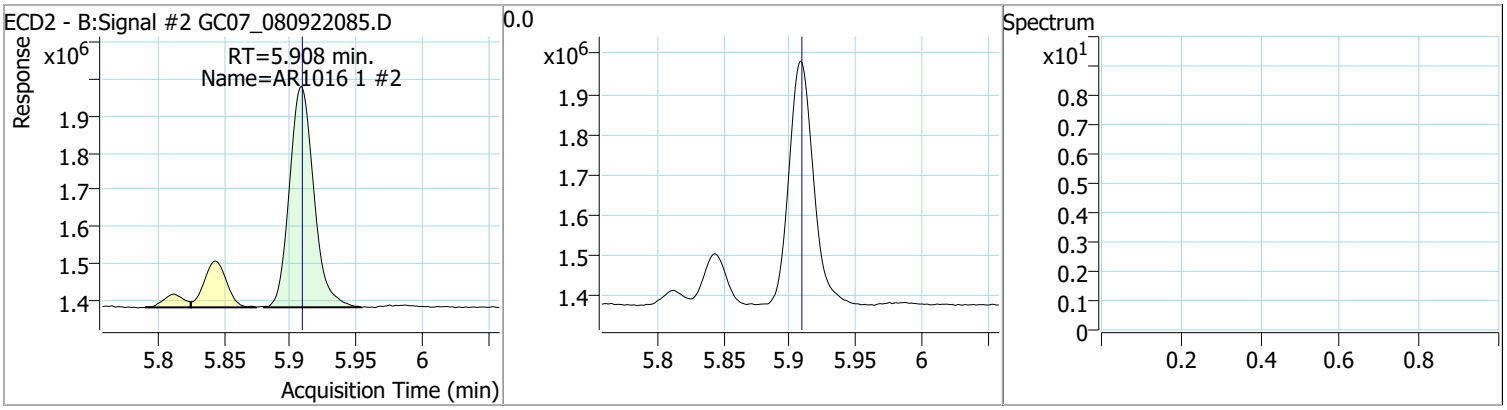
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	550.3962	5.47	0.00	1995996				



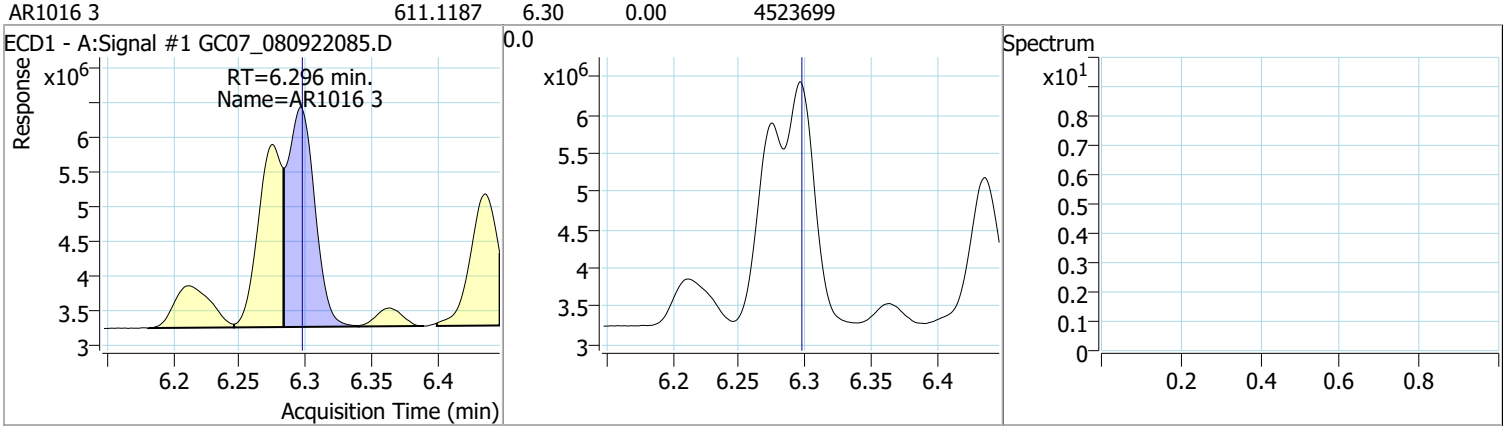
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	523.0581	5.82	0.00	3792292				



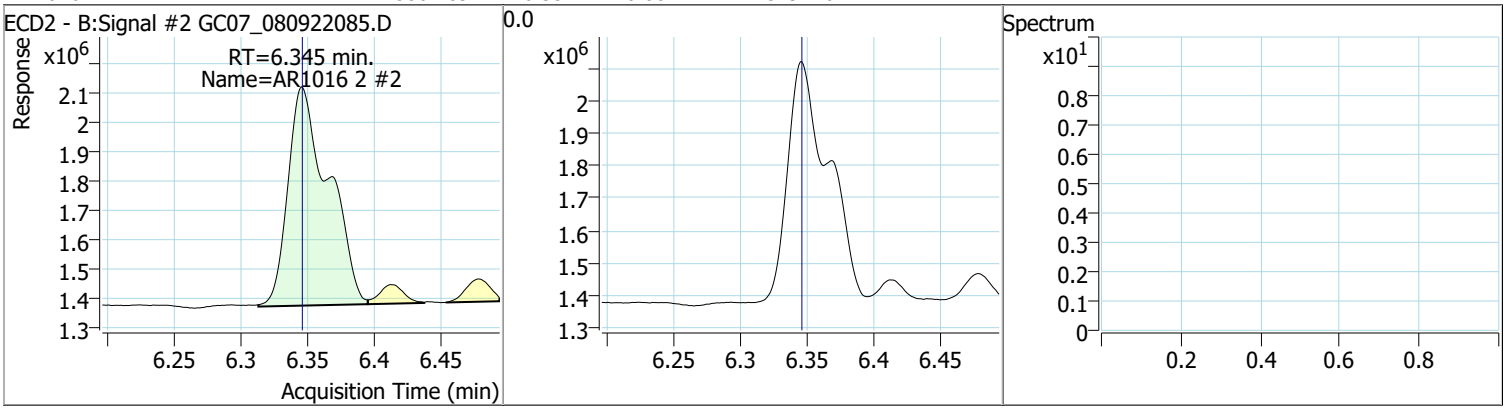
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	607.8462	5.91	0.00	771454				



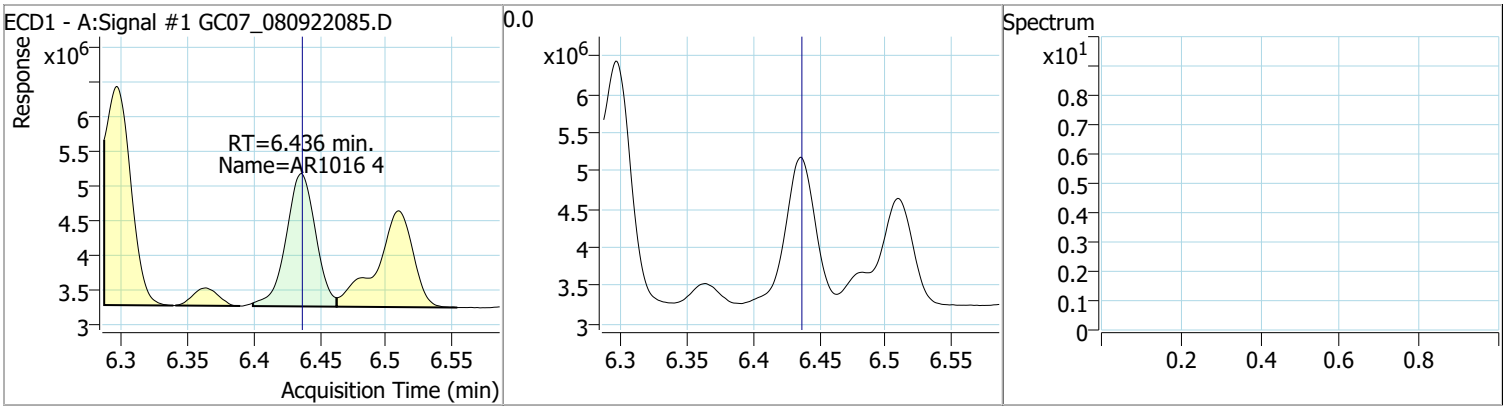
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	611.1187	6.30	0.00	4523699				



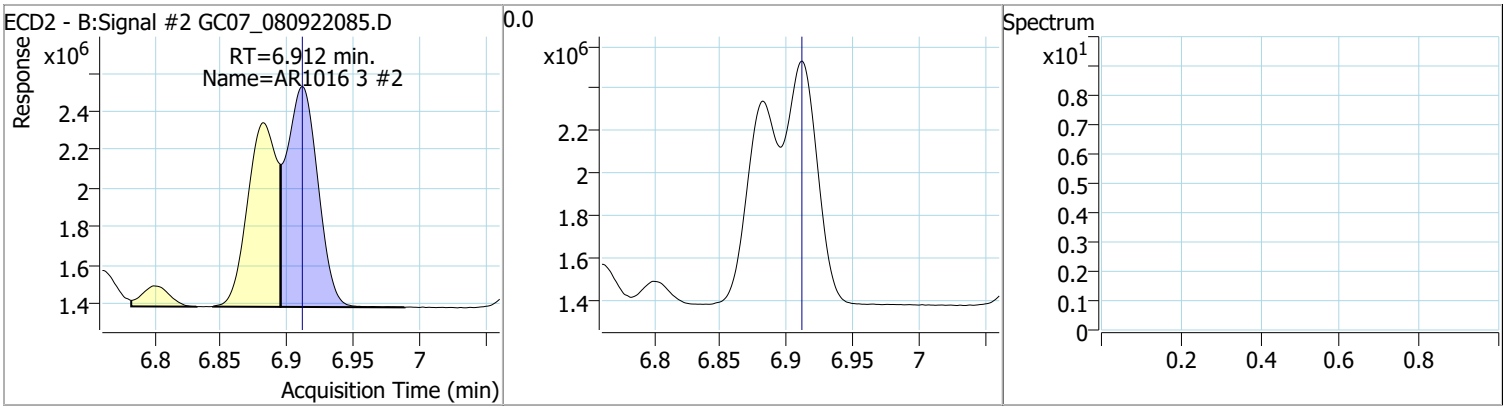
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	580.1891	6.35	0.00	1579476				



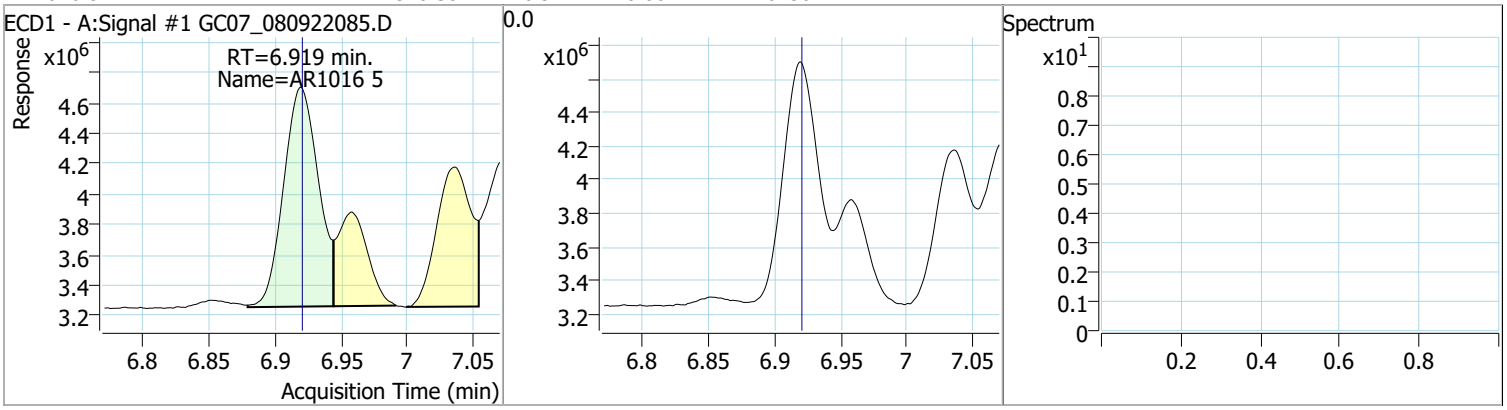
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	512.3666	6.44	0.00	2974501				



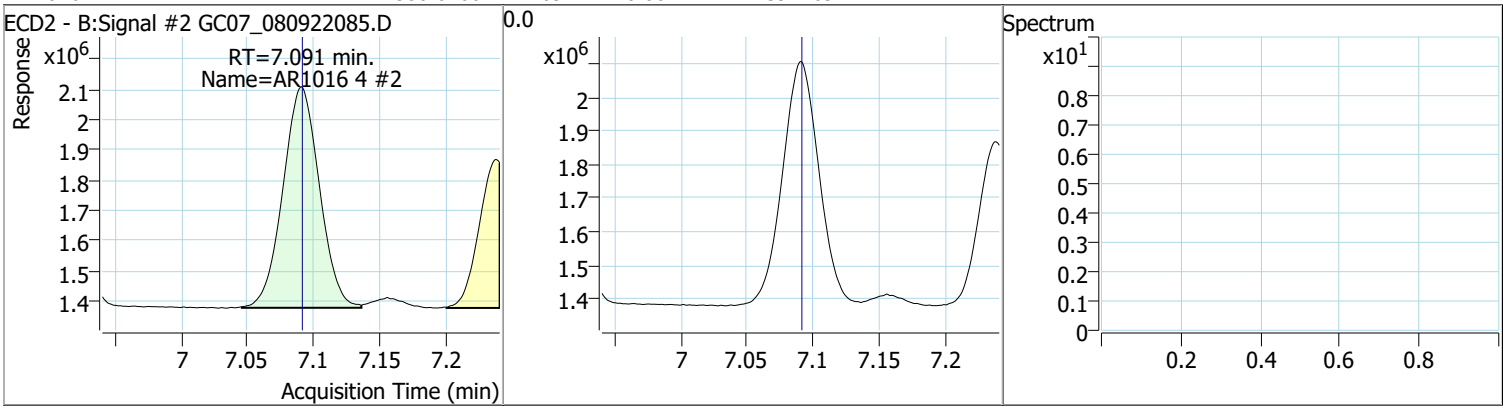
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	568.9643	6.91	0.00	1882128				



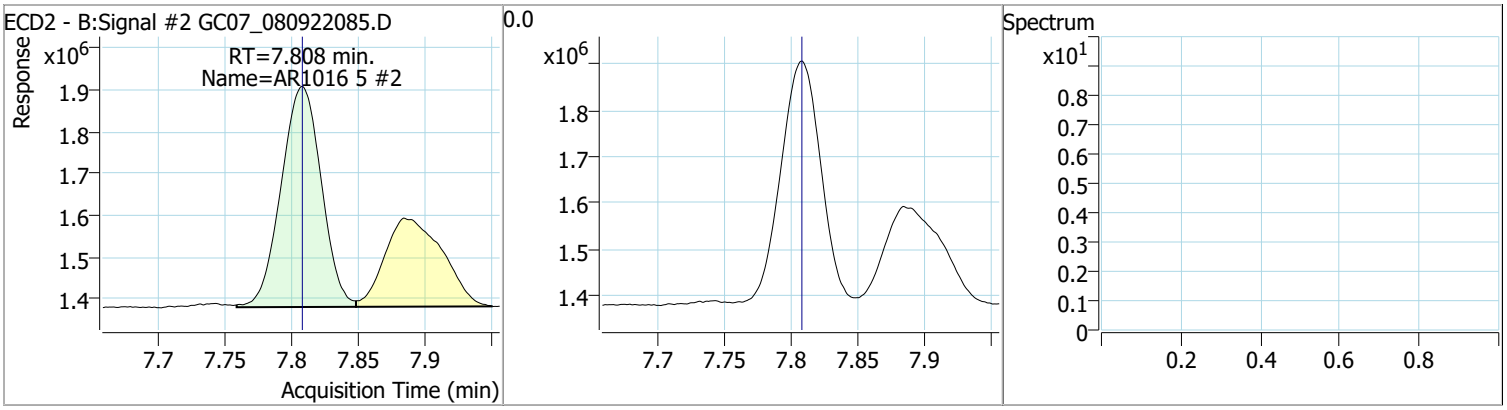
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	520.3842	6.92	0.00	2645071				



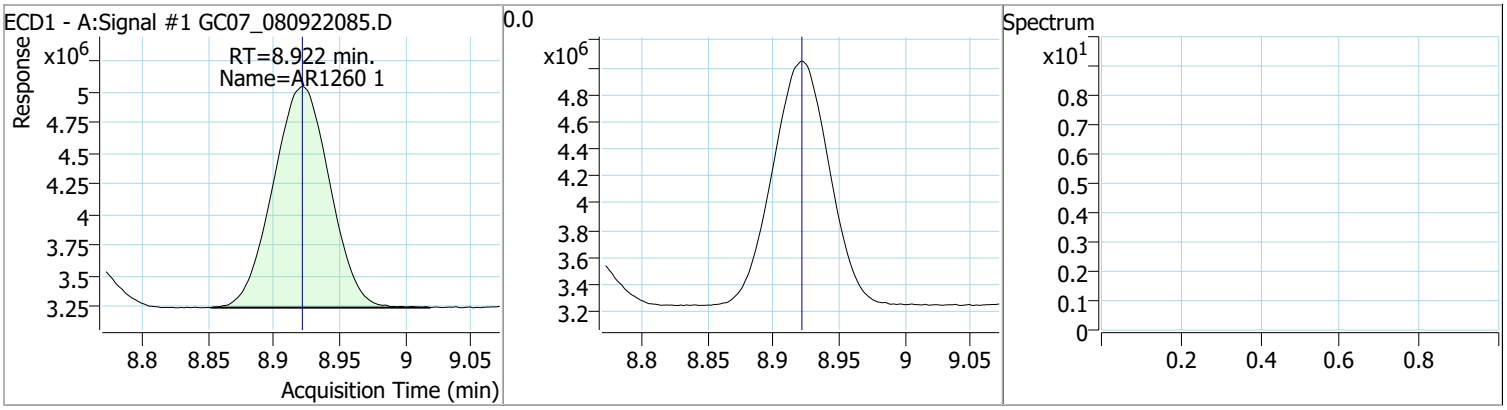
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	580.6160	7.09	0.00	1391169				



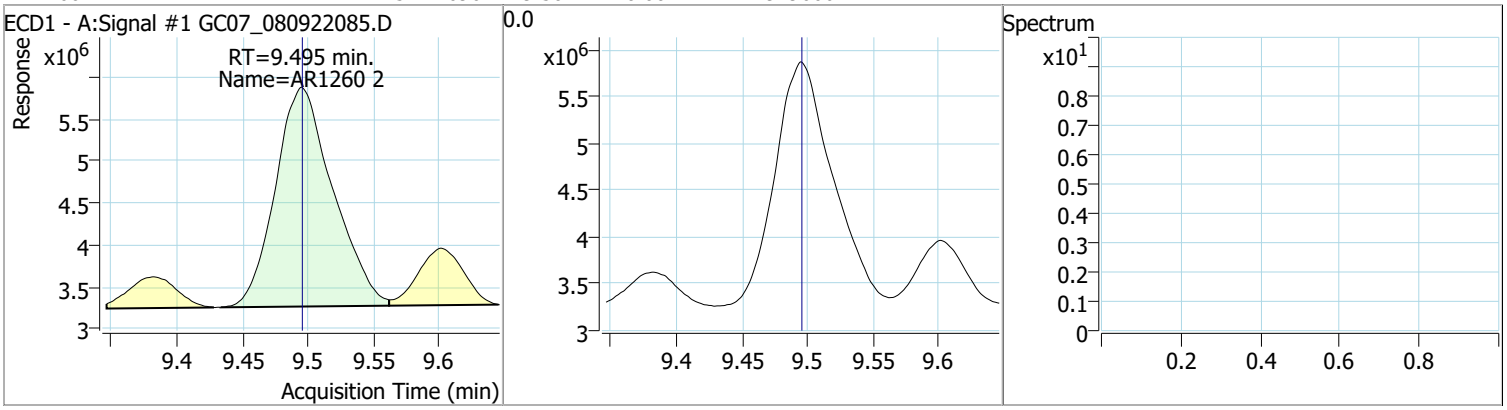
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	599.6206	7.81	0.00	1114291				



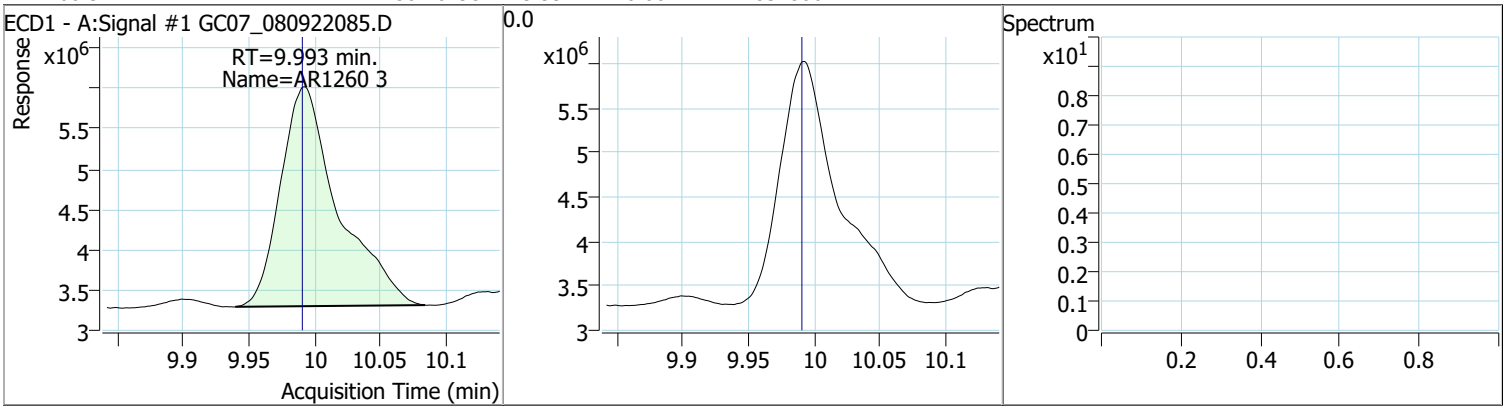
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	535.8804	8.92	0.00	5410597				



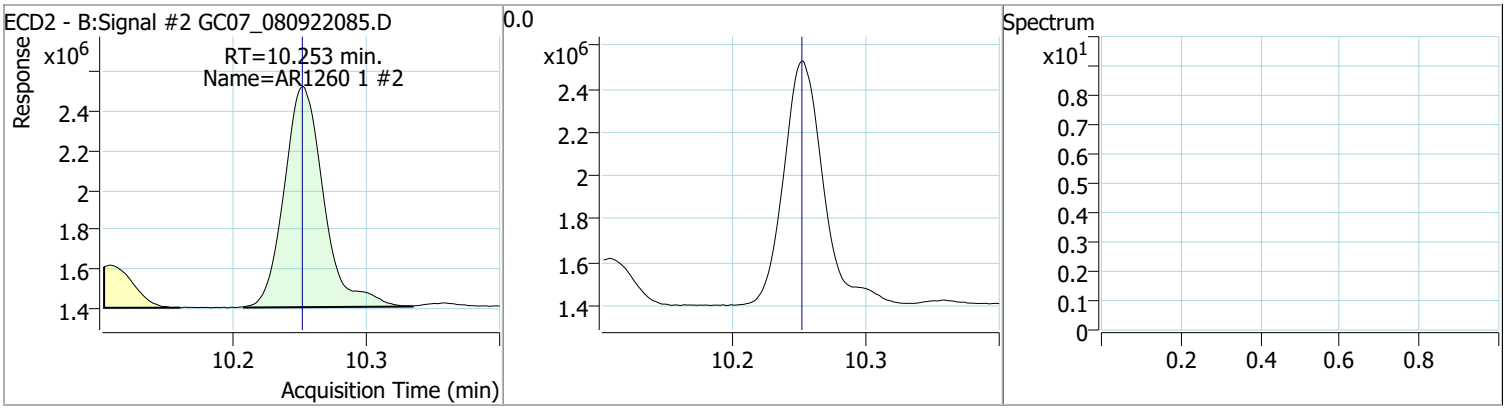
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	524.1696	9.50	0.00	7949666				



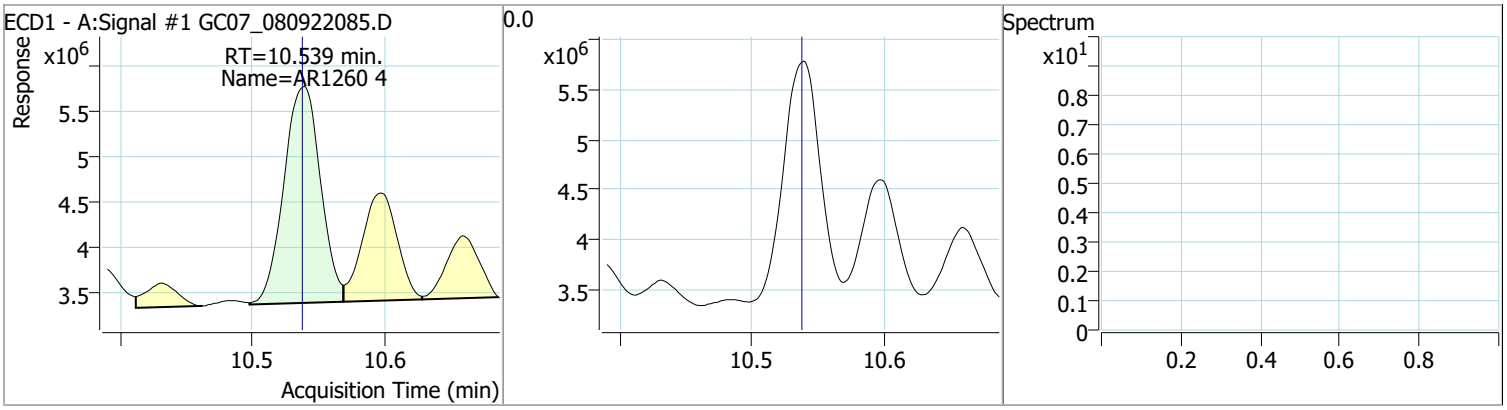
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	501.6195	9.99	0.00	8318061				



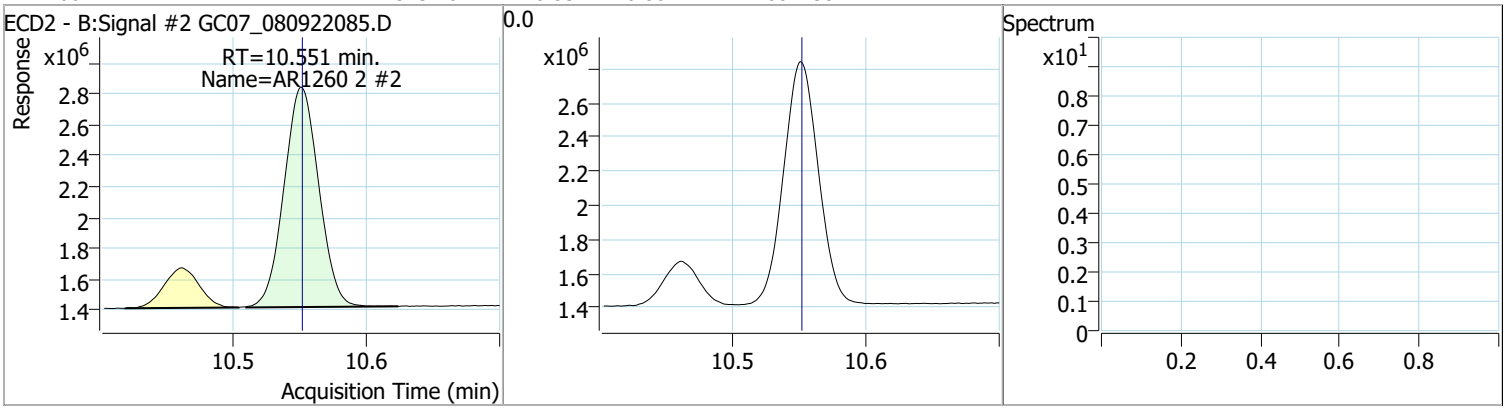
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	586.6480	10.25	0.00	2340905				



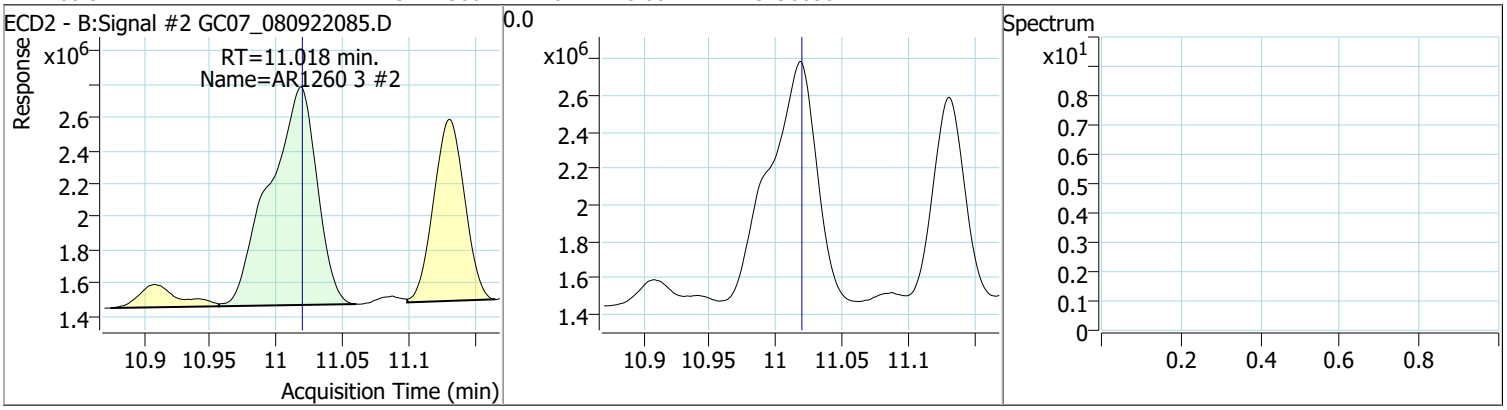
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	617.7654	10.54	0.00	4647552				



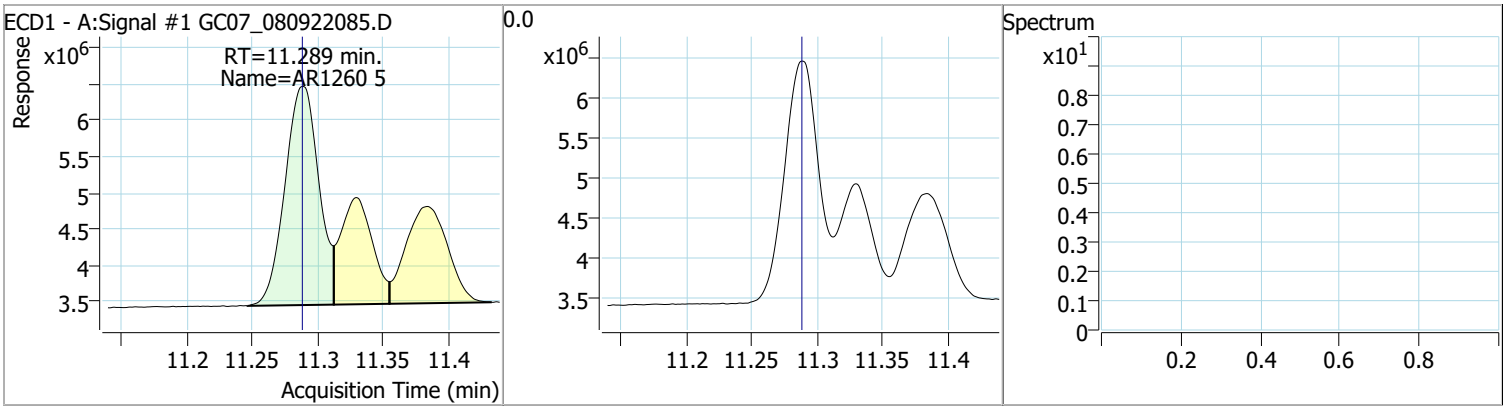
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	573.2672	10.55	0.00	2604735				



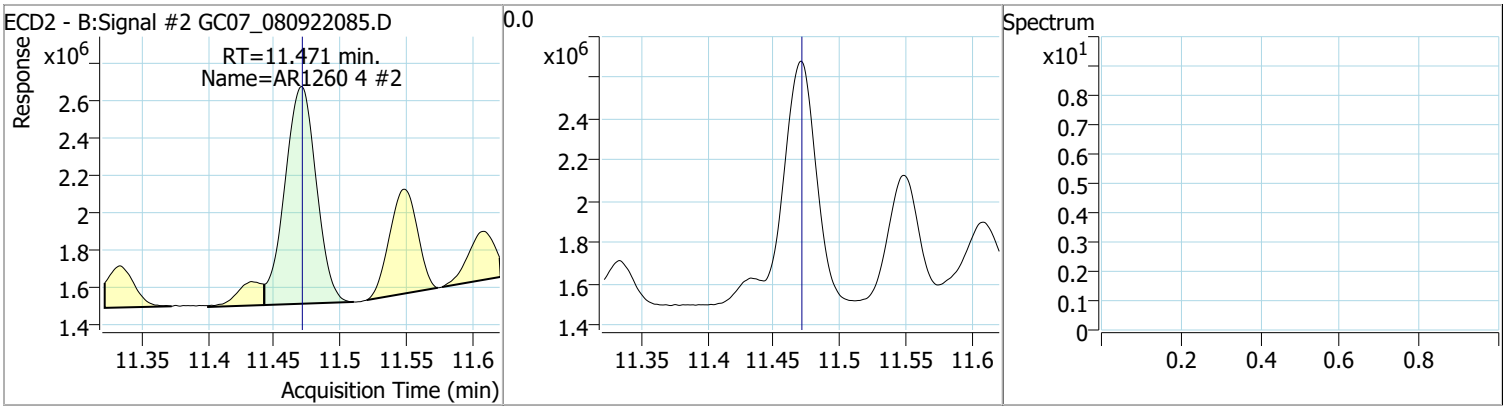
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	541.7366	11.02	0.00	3296630				



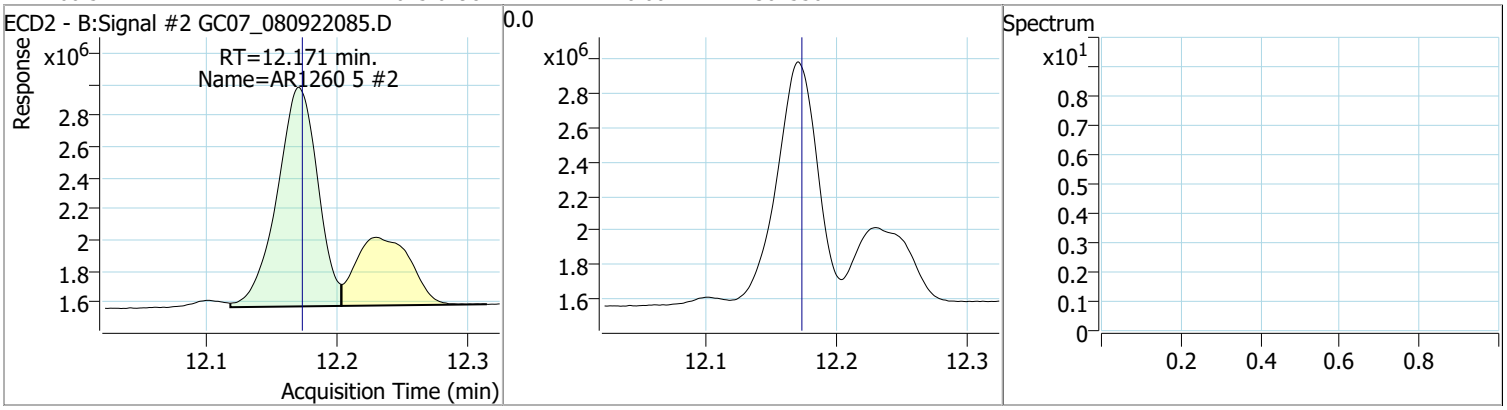
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	549.0082	11.29	0.00	5438113				



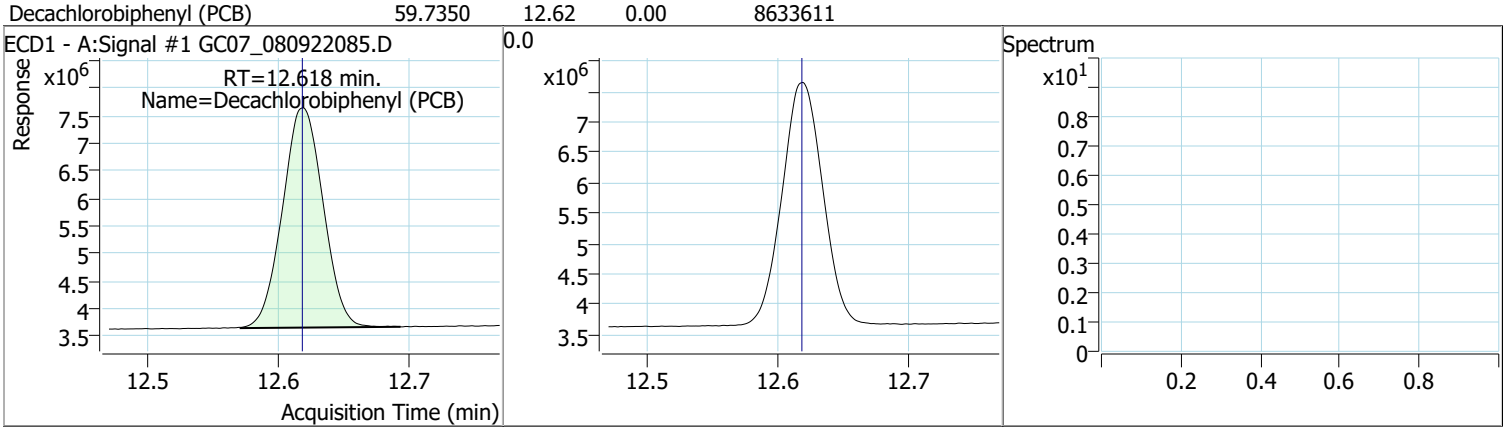
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	651.9730	11.47	0.00	1946250				



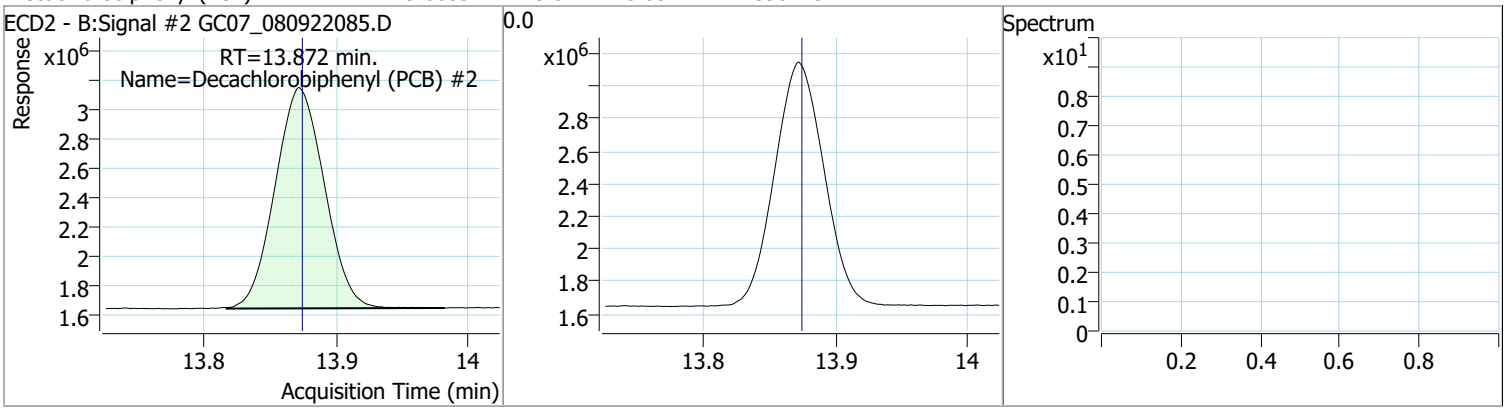
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	625.6798	12.17	0.00	3015564				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	59.7350	12.62	0.00	8633611				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	49.0683	13.87	0.00	3901484				



Initial Calibration Raw Data

ENTHALPY INITIAL CALIBRATION FOR 466919 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_080822_1
Calibration #:	462317638001	Date:	08-AUG-2022 22:41

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc07_080822043	462317638043		08-AUG-2022 22:41	S16726 (100X), S17010 (250X)
L2	gc07_080822044	462317638044		08-AUG-2022 22:59	S16726 (40X), S17010 (250X)
L3	gc07_080822045	462317638045		08-AUG-2022 23:16	S16726 (20X), S17010 (250X)
L4	gc07_080822046	462317638046		08-AUG-2022 23:34	S16726 (8X), S17010 (250X)
L5	gc07_080822047	462317638047		08-AUG-2022 23:51	S16726 (4X), S17010 (250X)
L6	gc07_080822048	462317638048		09-AUG-2022 00:09	S16726 (2.66X), S17010 (250X)
L7	gc07_080822049	462317638049		09-AUG-2022 00:26	S16726 (2X), S17010 (250X)
L8	gc07_080822050	462317638050		09-AUG-2022 00:44	S16726 (1.33X), S17010 (250X)

Analyte	Ch	Type	X	a0	a1	a2	Units	Avg RF	r^2	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG	R		55.8207		ug/L	0.0179		17	8	.99	20	
Aroclor-1016 Peak # 2	A	AVRG	R		27.9206		ug/L	0.0358		18	8	.99	20	
Aroclor-1016 Peak # 3	A	QUAD	A	1.76578	0.02994	5.978E-6	ug/L	0.0420	0.994		7	.99	20	
Aroclor-1016 Peak # 4	A	AVRG	R		34.8694		ug/L	0.0287		18	8	.99	20	
Aroclor-1016 Peak # 5	A	AVRG	R		39.8257		ug/L	0.0251		18	8	.99	20	
Aroclor-1260 Peak # 1	A	AVRG	R		20.0490		ug/L	0.0499		19	8	.99	20	
Aroclor-1260 Peak # 2	A	AVRG	R		13.3473		ug/L	0.0749		19	8	.99	20	
Aroclor-1260 Peak # 3	A	AVRG	R		12.2075		ug/L	0.0819		18	8	.99	20	
Aroclor-1260 Peak # 4	A	AVRG	R		26.9076		ug/L	0.0372		18	8	.99	20	
Aroclor-1260 Peak # 5	A	AVRG	R		20.4363		ug/L	0.0489		19	8	.99	20	
Decachlorobiphenyl (PCB)	A	LINR	R	-2.8312	1.46912		pg/uL	0.9740	0.990		5	.99	20	
TCMX (PCB)	A	AVRG	R		1.14245		pg/uL	0.8753		15	8	.99	20	
Aroclor-1016 Peak # 1	B	AVRG	R		55.8551		ug/L	0.0179		10	8	.99	20	
Aroclor-1016 Peak # 2	B	AVRG	R		26.0395		ug/L	0.0384		10	8	.99	20	
Aroclor-1016 Peak # 3	B	AVRG	R		21.4294		ug/L	0.0467		10	8	.99	20	
Aroclor-1016 Peak # 4	B	AVRG	R		29.5857		ug/L	0.0338		10	8	.99	20	
Aroclor-1016 Peak # 5	B	AVRG	R		38.1465		ug/L	0.0262		10	8	.99	20	
Aroclor-1260 Peak # 1	B	AVRG	R		17.7648		ug/L	0.0563		12	8	.99	20	
Aroclor-1260 Peak # 2	B	AVRG	R		15.6009		ug/L	0.0641		15	8	.99	20	
Aroclor-1260 Peak # 3	B	AVRG	R		11.6488		ug/L	0.0858		14	8	.99	20	
Aroclor-1260 Peak # 4	B	AVRG	R		23.7461		ug/L	0.0421		15	8	.99	20	
Aroclor-1260 Peak # 5	B	AVRG	R		14.7088		ug/L	0.0680		19	7	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG	R		0.89153		pg/uL	1.1217		14	8	.99	20	
TCMX (PCB)	B	AVRG	R		1.18403		pg/uL	0.8446		9	8	.99	20	

Where the X-Axis holds the (A)mount: Instrument response = a0 + (amount × a1) + (amount² × a2) (invert equation before quantitating)
Where the X-Axis holds the (R)esponse: Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor
LINR: Linear regression
QUAD: Quadratic regression

ENTHALPY INITIAL CALIBRATION FOR 466919 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_080822_1
Calibration #:	462317638001	Date:	08-AUG-2022 22:41

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF
Aroclor-1016 Peak # 1	A	0.0199	0.0227	0.0201	0.0194	0.0149	0.0140	0.0164	0.0160
Aroclor-1016 Peak # 2	A	0.0416	0.0445	0.0411	0.0385	0.0296	0.0277	0.0322	0.0313
Aroclor-1016 Peak # 3	A		0.0527	0.0467	0.0456	0.0359	0.0335	0.0397	0.0399
Aroclor-1016 Peak # 4	A	0.0335	0.0350	0.0334	0.0305	0.0234	0.0222	0.0261	0.0254
Aroclor-1016 Peak # 5	A	0.0287	0.0307	0.0296	0.0269	0.0204	0.0194	0.0230	0.0222
Aroclor-1260 Peak # 1	A	0.0593	0.0610	0.0595	0.0528	0.0404	0.0375	0.0457	0.0428
Aroclor-1260 Peak # 2	A	0.0863	0.0937	0.0895	0.0797	0.0607	0.0567	0.0684	0.0644
Aroclor-1260 Peak # 3	A	0.0976	0.1003	0.0962	0.0856	0.0661	0.0623	0.0757	0.0716
Aroclor-1260 Peak # 4	A	0.0425	0.0458	0.0445	0.0388	0.0300	0.0283	0.0347	0.0327
Aroclor-1260 Peak # 5	A	0.0580	0.0569	0.0563	0.0586	0.0378	0.0362	0.0452	0.0426
Decachlorobiphenyl (PCB)	A		1.1460	1.2313	0.9906	0.7635	0.7388		
TCMX (PCB)	A	0.9585	1.0752	0.9767	0.9137	0.7252	0.7026	0.8257	0.8248
Aroclor-1016 Peak # 1	B	0.0163	0.0203	0.0191	0.0198	0.0160	0.0153	0.0186	0.0178
Aroclor-1016 Peak # 2	B	0.0380	0.0416	0.0415	0.0430	0.0339	0.0327	0.0393	0.0373
Aroclor-1016 Peak # 3	B	0.0485	0.0506	0.0510	0.0512	0.0407	0.0390	0.0472	0.0452
Aroclor-1016 Peak # 4	B	0.0355	0.0370	0.0365	0.0365	0.0296	0.0284	0.0343	0.0326
Aroclor-1016 Peak # 5	B	0.0264	0.0293	0.0272	0.0286	0.0230	0.0222	0.0272	0.0258
Aroclor-1260 Peak # 1	B	0.0587	0.0624	0.0650	0.0612	0.0481	0.0459	0.0565	0.0525
Aroclor-1260 Peak # 2	B	0.0729	0.0736	0.0741	0.0685	0.0532	0.0503	0.0626	0.0577
Aroclor-1260 Peak # 3	B	0.0926	0.0993	0.0984	0.0915	0.0715	0.0683	0.0857	0.0794
Aroclor-1260 Peak # 4	B	0.0392	0.0506	0.0487	0.0482	0.0354	0.0336	0.0424	0.0388
Aroclor-1260 Peak # 5	B		0.0830	0.0868	0.0651	0.0563	0.0540	0.0684	0.0624
Decachlorobiphenyl (PCB)	B	1.1644	1.2517	1.3567	1.1586	0.9420	0.9006	1.1545	1.0448
TCMX (PCB)	B	0.7791	0.8612	0.8958	0.9380	0.7512	0.7409	0.8982	0.8921

ENTHALPY INITIAL CALIBRATION FOR 466919 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_080822_1
Calibration #:	462317638001	Date:	08-AUG-2022 22:41

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	11	50.000	**27**	100.00	12	250.00	8	500.00	-17	751.88	**-22**	1000.0	-9	1503.8	-11
Aroclor-1016 Peak # 2	A	20.000	16	50.000	**24**	100.00	15	250.00	7	500.00	-17	751.88	**-23**	1000.0	-10	1503.8	-13
Aroclor-1016 Peak # 3	A			50.000	**-42**	100.00	-5	250.00	**21**	500.00	-2	751.88	-8	1000.0	5	1503.8	0
Aroclor-1016 Peak # 4	A	20.000	17	50.000	**22**	100.00	17	250.00	6	500.00	-18	751.88	**-23**	1000.0	-9	1503.8	-12
Aroclor-1016 Peak # 5	A	20.000	14	50.000	**22**	100.00	18	250.00	7	500.00	-19	751.88	**-23**	1000.0	-8	1503.8	-11
Aroclor-1260 Peak # 1	A	20.000	19	50.000	**22**	100.00	19	250.00	6	500.00	-19	751.88	**-25**	1000.0	-8	1503.8	-14
Aroclor-1260 Peak # 2	A	20.000	15	50.000	**25**	100.00	19	250.00	6	500.00	-19	751.88	**-24**	1000.0	-9	1503.8	-14
Aroclor-1260 Peak # 3	A	20.000	19	50.000	**22**	100.00	17	250.00	4	500.00	-19	751.88	**-24**	1000.0	-8	1503.8	-13
Aroclor-1260 Peak # 4	A	20.000	14	50.000	**23**	100.00	20	250.00	4	500.00	-19	751.88	**-24**	1000.0	-7	1503.8	-12
Aroclor-1260 Peak # 5	A	20.000	19	50.000	16	100.00	15	250.00	20	500.00	**-23**	751.88	**-26**	1000.0	-8	1503.8	-13
Decachlorobiphenyl (PCB)	A			2.0000	**-73**	4.0000	10	10.000	17	20.000	-2	30.075	-1				
TCMX (PCB)	A	0.8000	10	2.0000	**23**	4.0000	12	10.000	4	20.000	-17	30.075	-20	40.000	-6	60.150	-6
Aroclor-1016 Peak # 1	B	20.000	-9	50.000	14	100.00	7	250.00	11	500.00	-11	751.88	-14	1000.0	4	1503.8	-1
Aroclor-1016 Peak # 2	B	20.000	-1	50.000	8	100.00	8	250.00	12	500.00	-12	751.88	-15	1000.0	2	1503.8	-3
Aroclor-1016 Peak # 3	B	20.000	4	50.000	8	100.00	9	250.00	10	500.00	-13	751.88	-16	1000.0	1	1503.8	-3
Aroclor-1016 Peak # 4	B	20.000	5	50.000	9	100.00	8	250.00	8	500.00	-12	751.88	-16	1000.0	2	1503.8	-4
Aroclor-1016 Peak # 5	B	20.000	1	50.000	12	100.00	4	250.00	9	500.00	-12	751.88	-15	1000.0	4	1503.8	-2
Aroclor-1260 Peak # 1	B	20.000	4	50.000	11	100.00	16	250.00	9	500.00	-15	751.88	-19	1000.0	0	1503.8	-7
Aroclor-1260 Peak # 2	B	20.000	14	50.000	15	100.00	16	250.00	7	500.00	-17	751.88	**-22**	1000.0	-2	1503.8	-10
Aroclor-1260 Peak # 3	B	20.000	8	50.000	16	100.00	15	250.00	7	500.00	-17	751.88	-20	1000.0	0	1503.8	-7
Aroclor-1260 Peak # 4	B	20.000	-7	50.000	20	100.00	16	250.00	15	500.00	-16	751.88	-20	1000.0	1	1503.8	-8
Aroclor-1260 Peak # 5	B			50.000	**22**	100.00	**28**	250.00	-4	500.00	-17	751.88	**-21**	1000.0	1	1503.8	-8
Decachlorobiphenyl (PCB)	B	0.8000	4	2.0000	12	4.0000	**21**	10.000	3	20.000	-16	30.075	-20	40.000	3	60.150	-7
TCMX (PCB)	B	0.8000	-8	2.0000	2	4.0000	6	10.000	11	20.000	-11	30.075	-12	40.000	6	60.150	6

Analyst: TJW 08/09/22

Reviewer: LW 08/09/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 466919 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07	Name:	PCB_080822_1
Calnum:	462317638001	Cal Date:	08-AUG-2022

- ICV 462317638053 (gc07_080822053 09-AUG-2022) stds: S16736

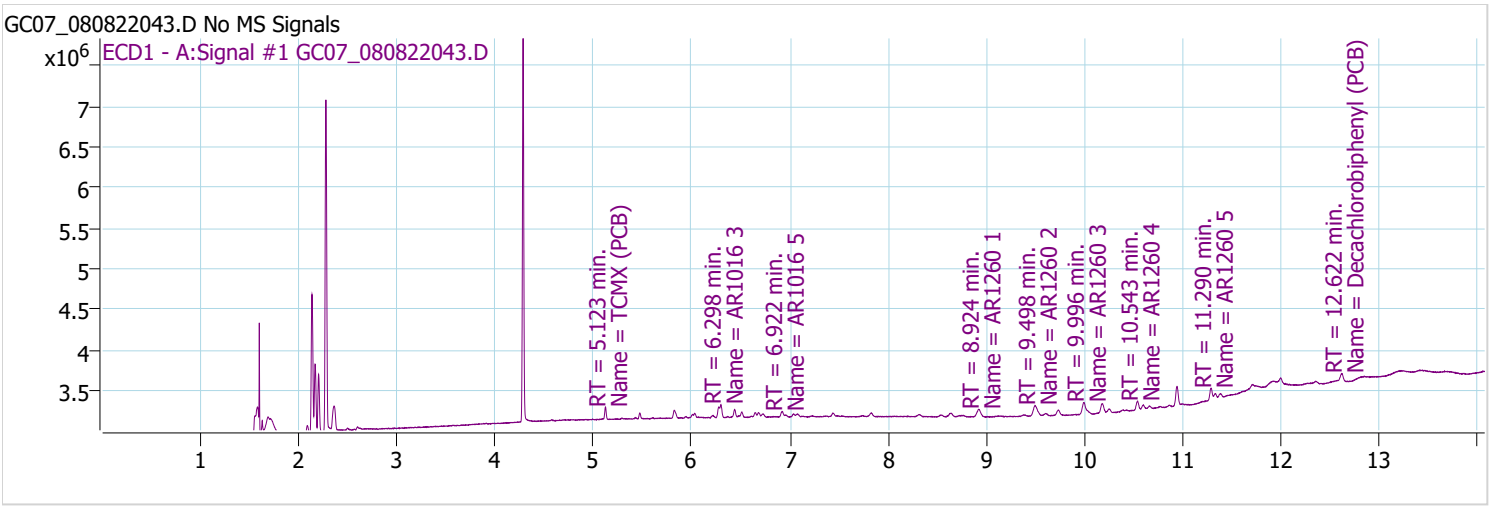
Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	456.6	ug/L	-9	15	
Aroclor-1260	A	500.0	468.4	ug/L	-6	15	
Aroclor-1016	B	500.0	476.3	ug/L	-5	15	
Aroclor-1260	B	500.0	495.5	ug/L	-1	15	

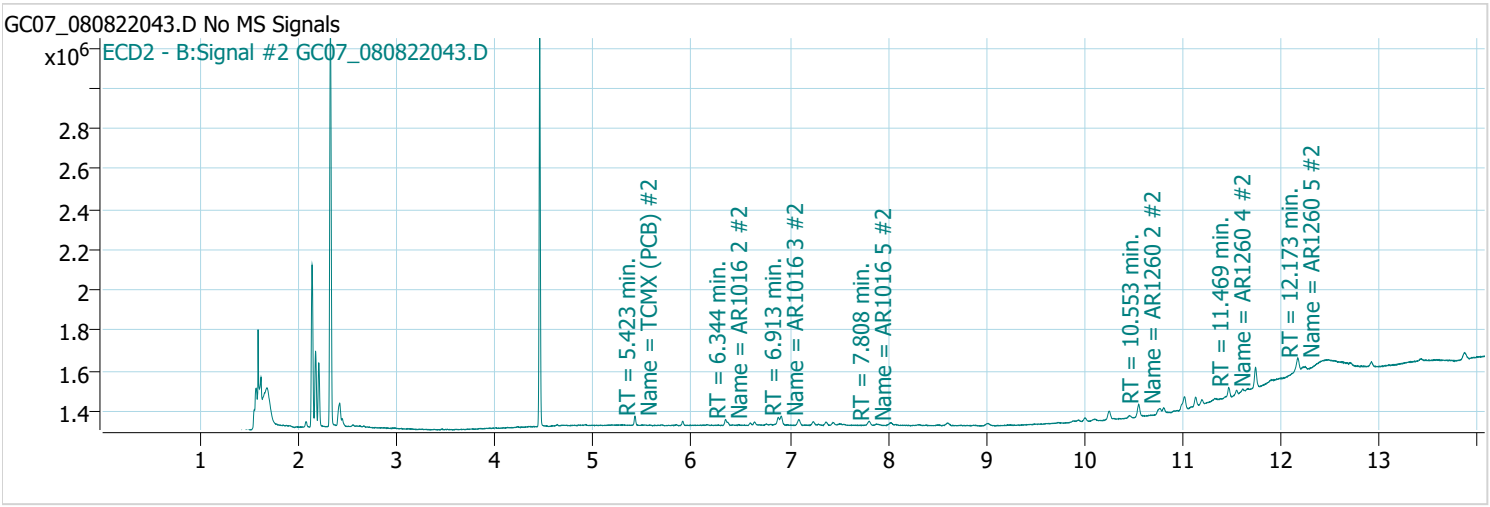
-

Reviewed By: TJW 08/11/22, SLL 08/11/22, TRN 08/12/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_080822043.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	8/8/2022 10:41:25 PM
Sample Name	ICAL, S16726, 100	Instrument	SVOA-GC07
Vial	91	Multiplier	1.00
DA Method File	PCB_608_080822_GC07_1.m	Comment	20 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	080822.batch.bin	Last Calib Update	8/9/2022 3:43:56 PM
Ref Library			



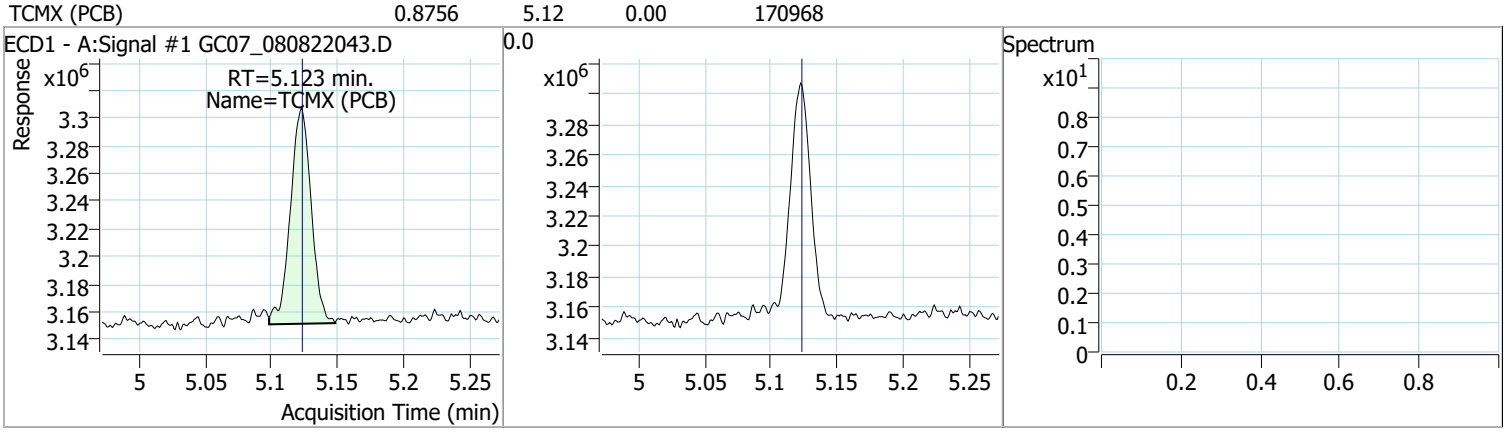


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.284	0.0	4459150.372	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.453	0.0	1670176.821	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.123	0.0	170967.576	0.8756	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.38%		*	
S TCMX (PCB) #2	5.423	0.0	52052.701	0.7376	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 3.69%		*	
S Decachlorobiphenyl (PCB)	12.622	0.0	300845.735	0.0000	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 0.00%		*	
S Decachlorobiphenyl (PCB) #2	13.875	0.0	77792.507	0.8301	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.15%		*	
Target Compounds							**QValue**
T AR1016 1	5.472	0.0	88539.395	22.1555	ng/ml		100
T AR1016 2	5.826	0.0	185658.461	23.2377	ng/ml		100
T AR1016 1 #2	5.909	0.0	27153.695	18.1513	ng/ml		100

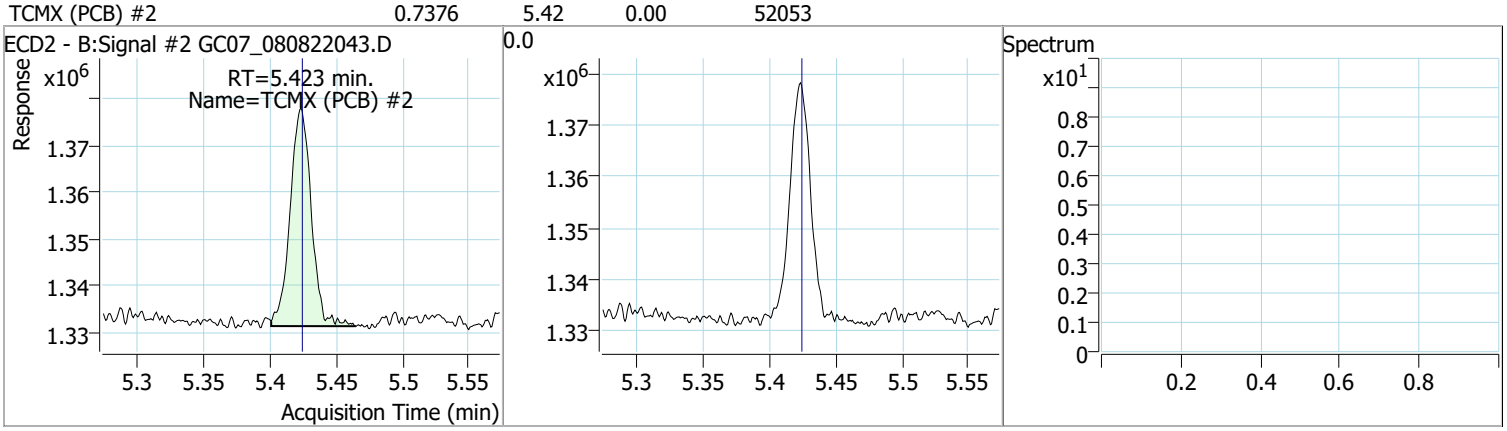
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 3	6.298	0.0	212843.051	0.0000	ng/ml	m	100
T AR1016 2 #2	6.344	0.0	63464.599	19.7781	ng/ml		100
T AR1016 4	6.438	0.0	149522.156	23.3723	ng/ml		100
T AR1016 3 #2	6.913	0.0	80968.215	20.7657	ng/ml		100
T AR1016 5	6.922	0.0	128053.285	22.8616	ng/ml		100
T AR1016 4 #2	7.093	0.0	59280.401	20.9902	ng/ml		100
T AR1016 5 #2	7.808	0.0	44025.351	20.0991	ng/ml		100
T AR1260 1	8.924	0.0	264220.433	23.7476	ng/ml		100
T AR1260 2	9.498	0.0	384766.795	23.0224	ng/ml		100
T AR1260 3	9.996	0.0	435200.656	23.8162	ng/ml		100
T AR1260 1 #2	10.254	0.0	98064.501	20.8498	ng/ml		100
T AR1260 4	10.543	0.0	189618.683	22.8723	ng/ml		100
T AR1260 2 #2	10.553	0.0	121674.343	22.7189	ng/ml		100
T AR1260 3 #2	11.018	0.0	154728.550	21.5717	ng/ml		100
T AR1260 5	11.290	0.0	258812.888	23.7108	ng/ml		100
T AR1260 4 #2	11.469	0.0	65441.547	18.5986	ng/ml		100
T AR1260 5 #2	12.173	0.0	178545.316	31.4288	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

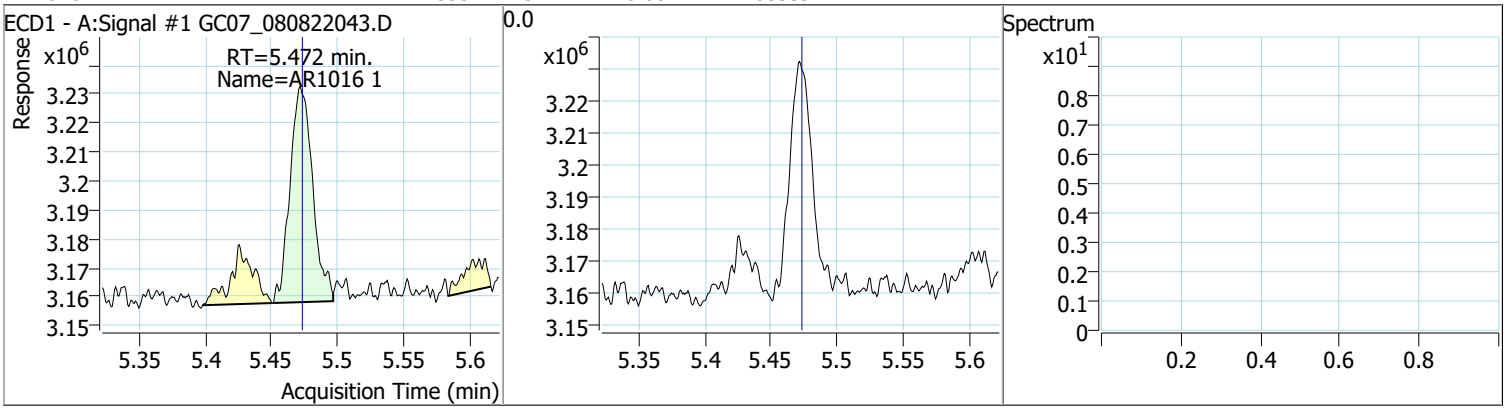
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	0.8756	5.12	0.00	170968				



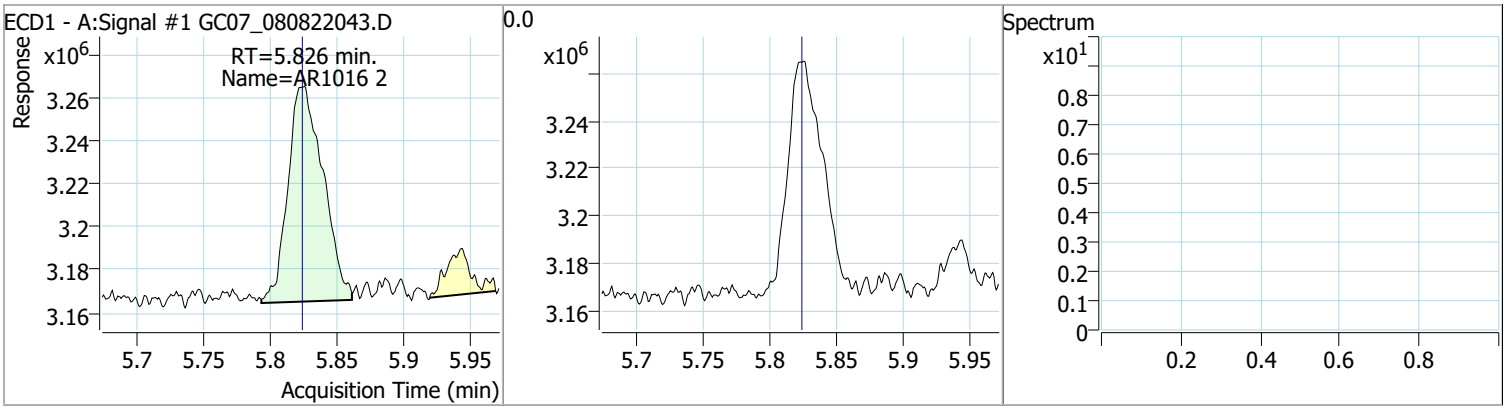
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	0.7376	5.42	0.00	52053				



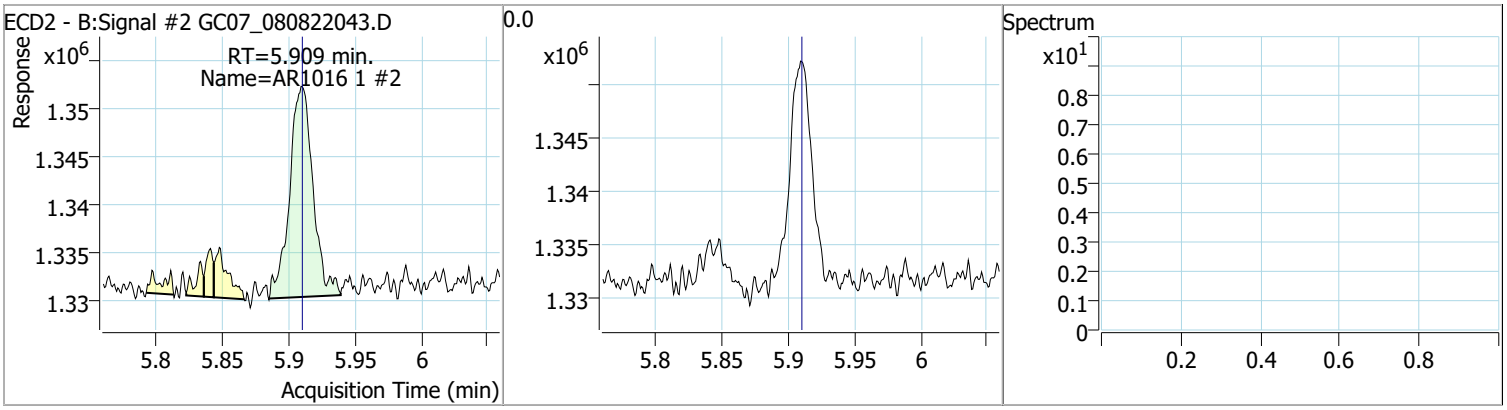
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	22.1555	5.47	0.00	88539				



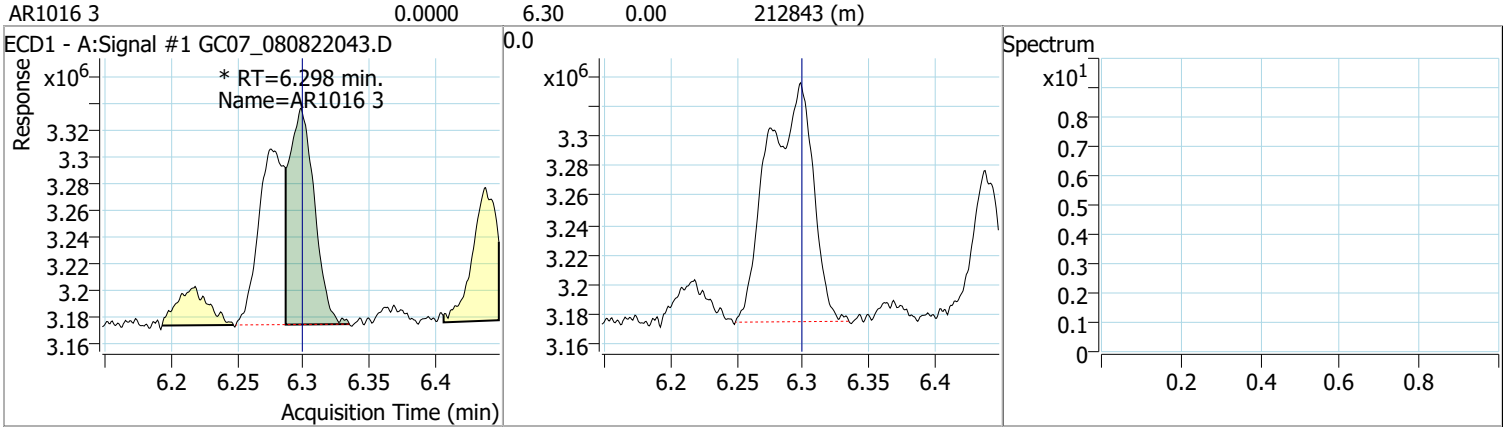
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	23.2377	5.83	0.00	185658				



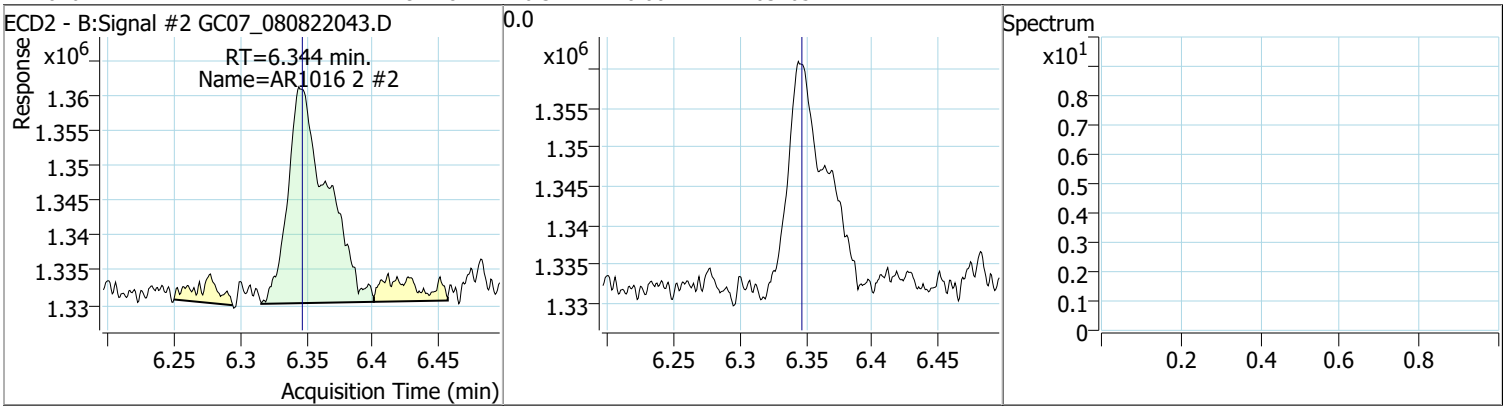
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	18.1513	5.91	0.00	27154				



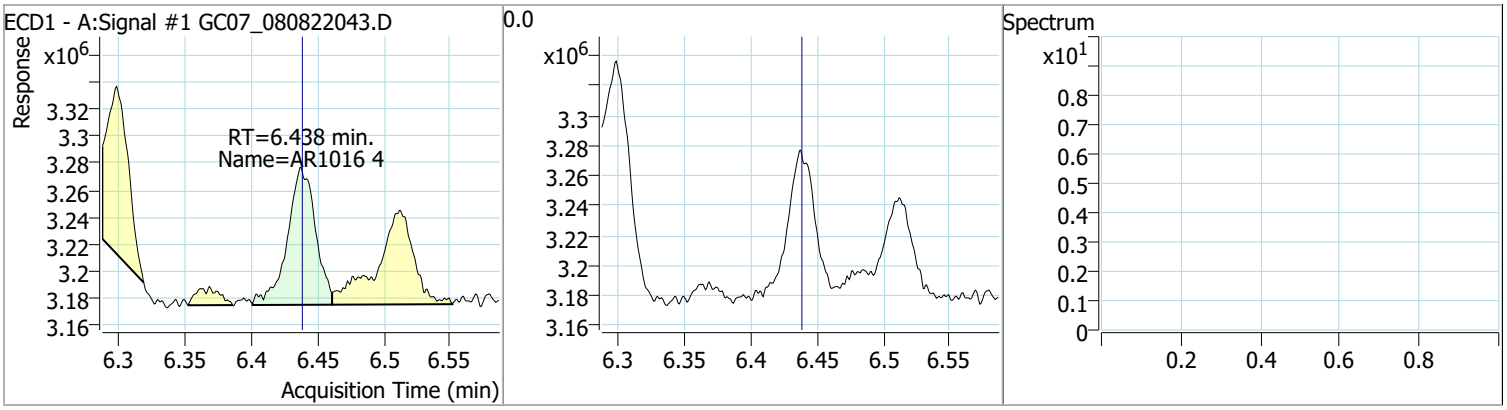
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	0.0000	6.30	0.00	212843 (m)				



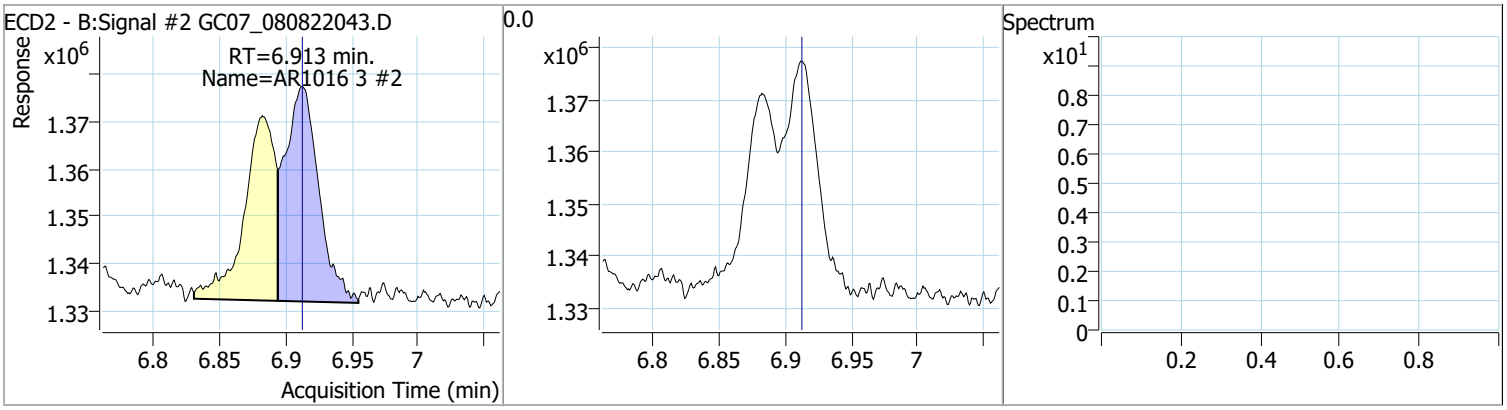
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	19.7781	6.34	0.00	63465				



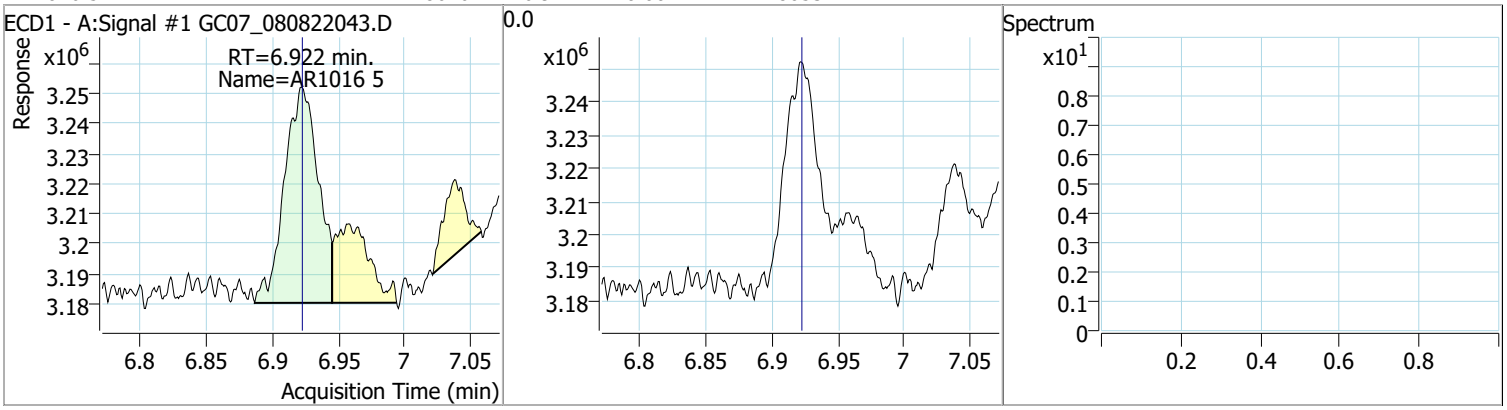
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	23.3723	6.44	0.00	149522				



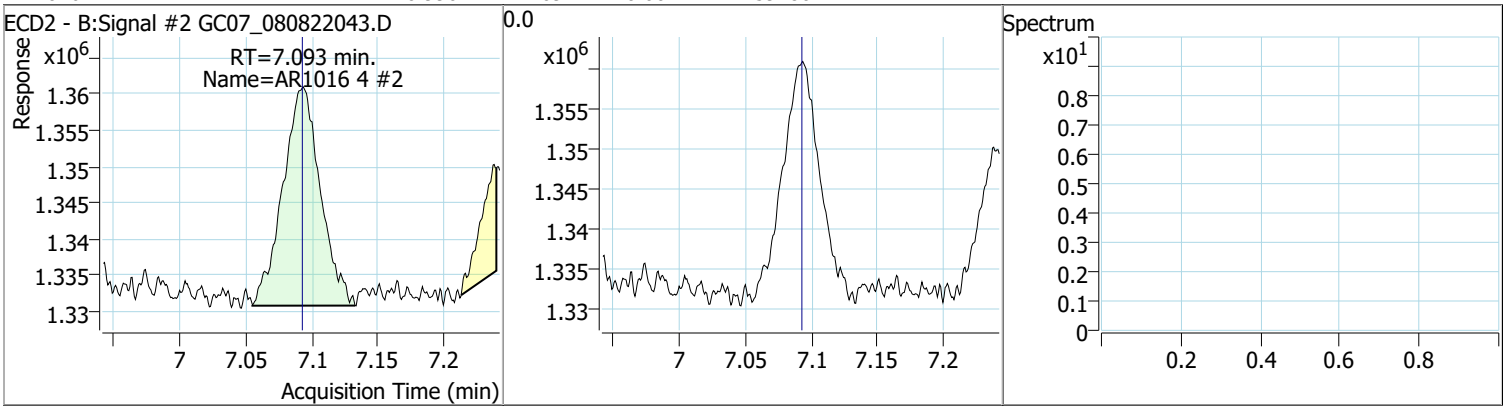
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	20.7657	6.91	0.00	80968				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	22.8616	6.92	0.00	128053				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	20.9902	7.09	0.00	59280				



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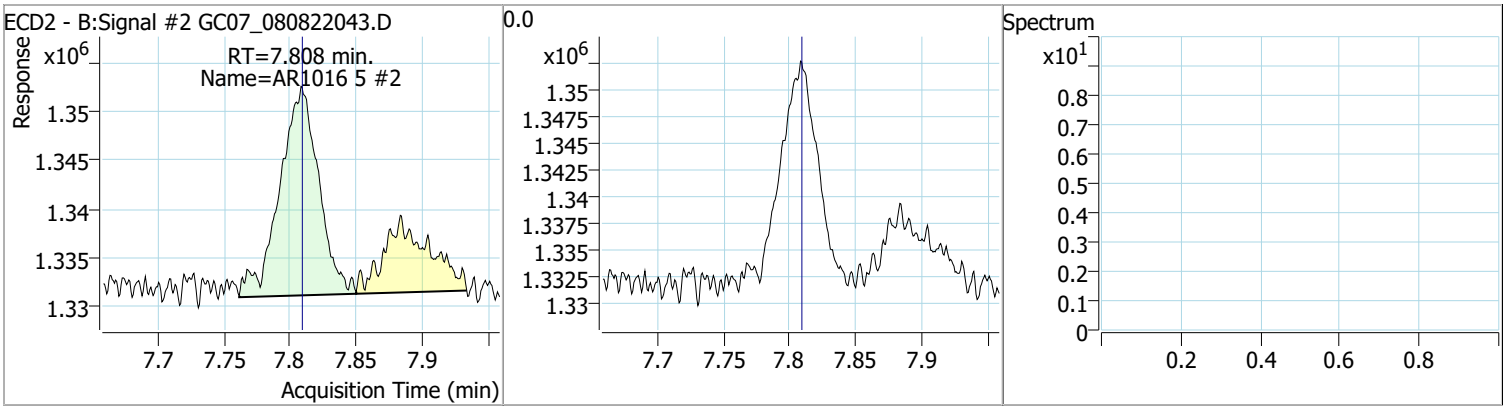
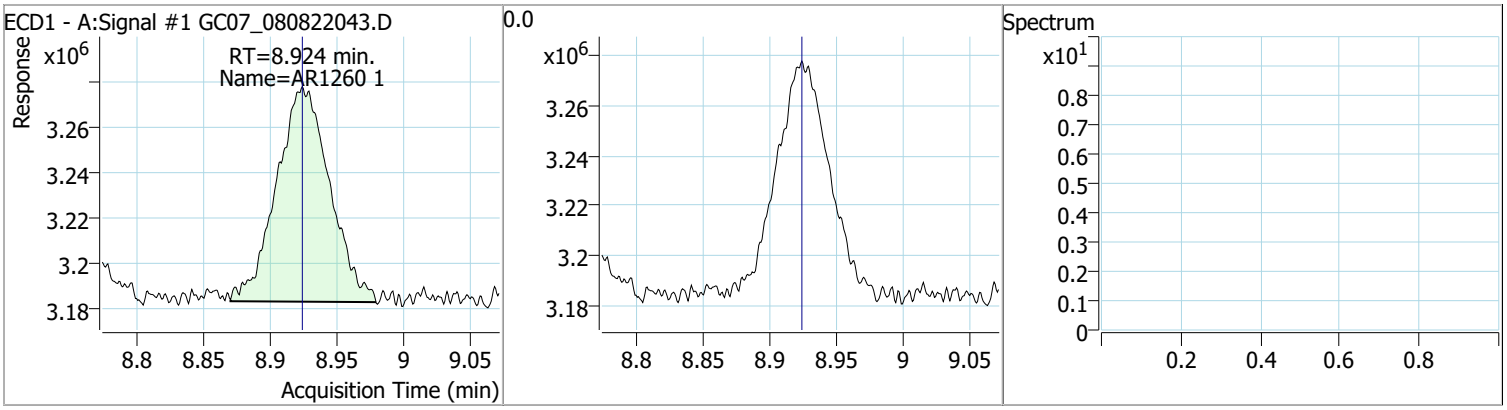
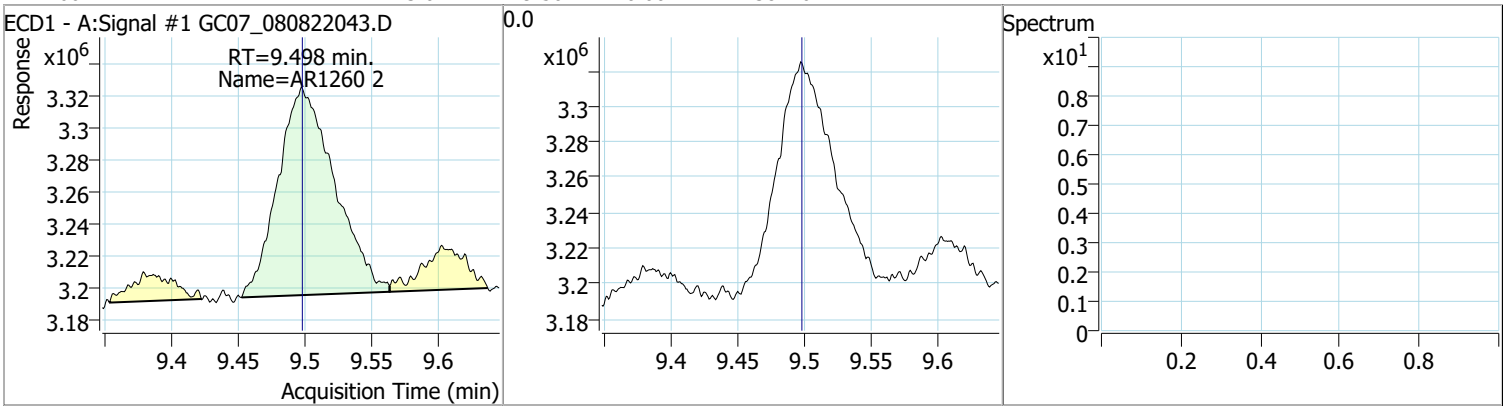
AR1016 5 #2	20.0991	7.81	0.00	44025				



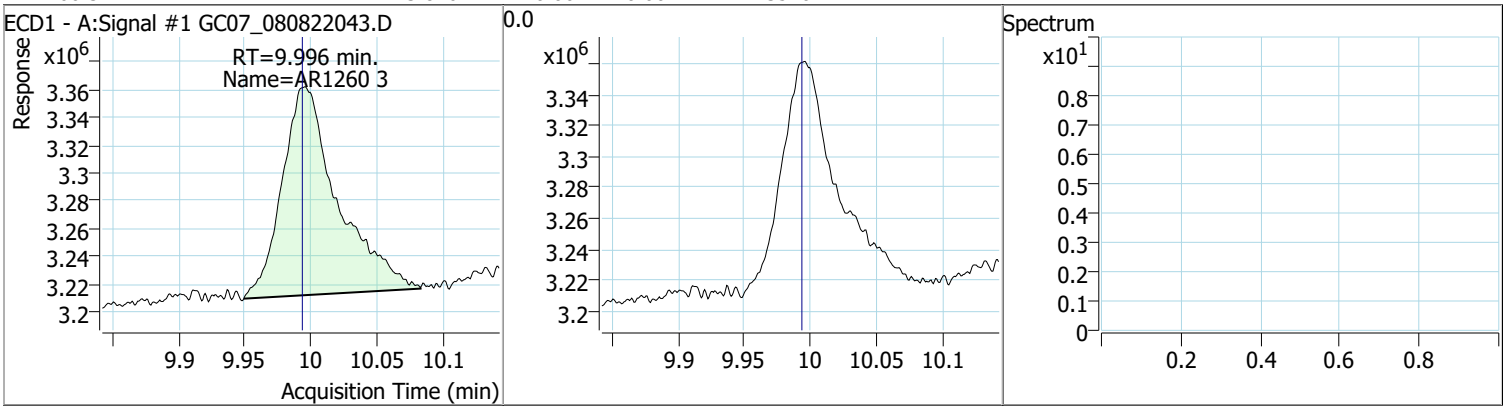
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	23.7476	8.92	0.00	264220				



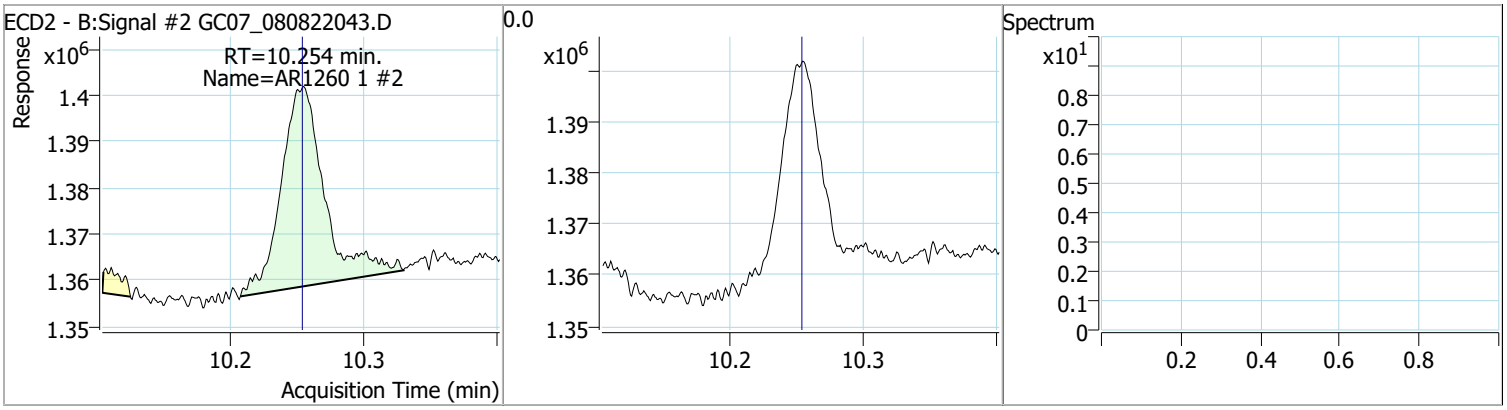
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	23.0224	9.50	0.00	384767				



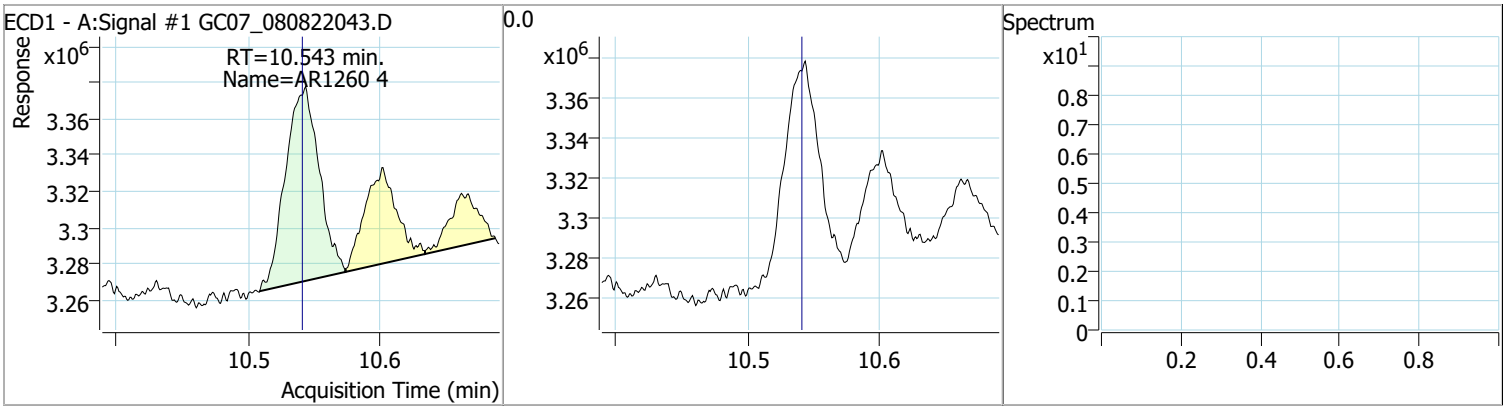
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	23.8162	10.00	0.00	435201				



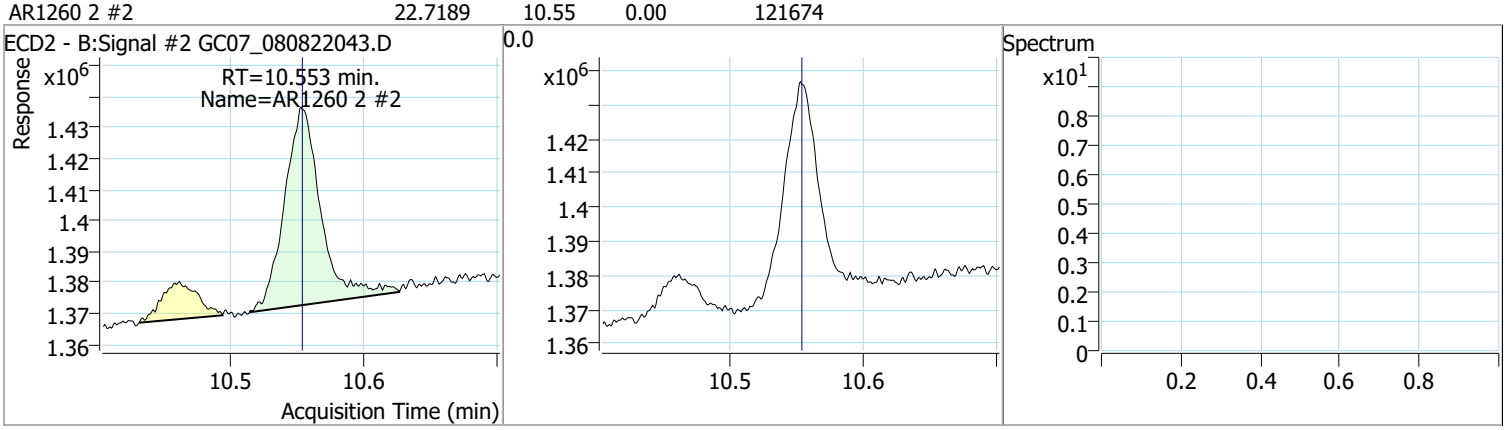
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	20.8498	10.25	0.00	98065				



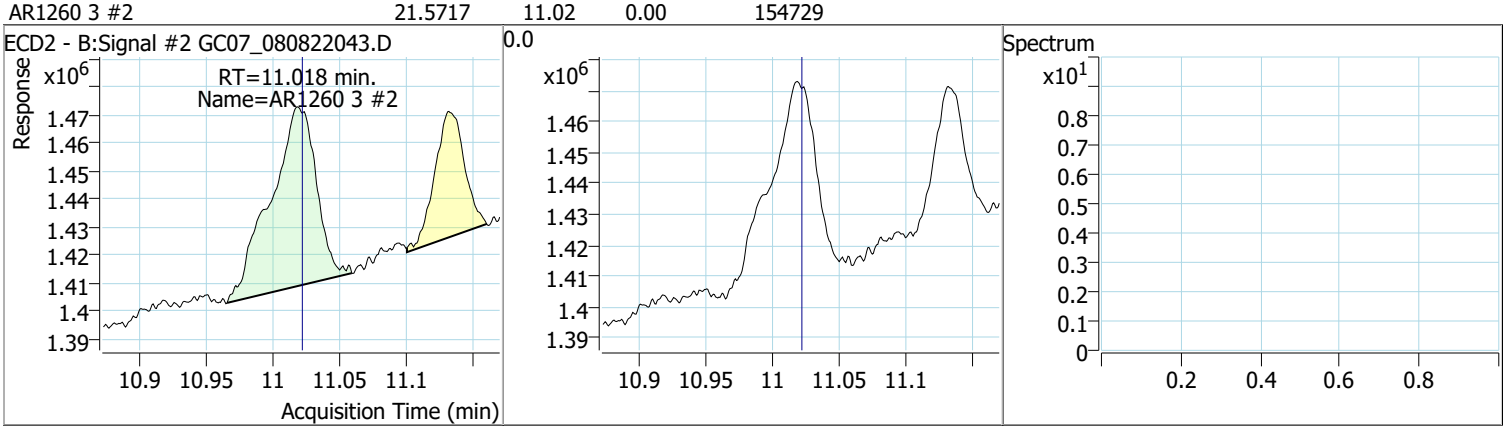
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	22.8723	10.54	0.00	189619				



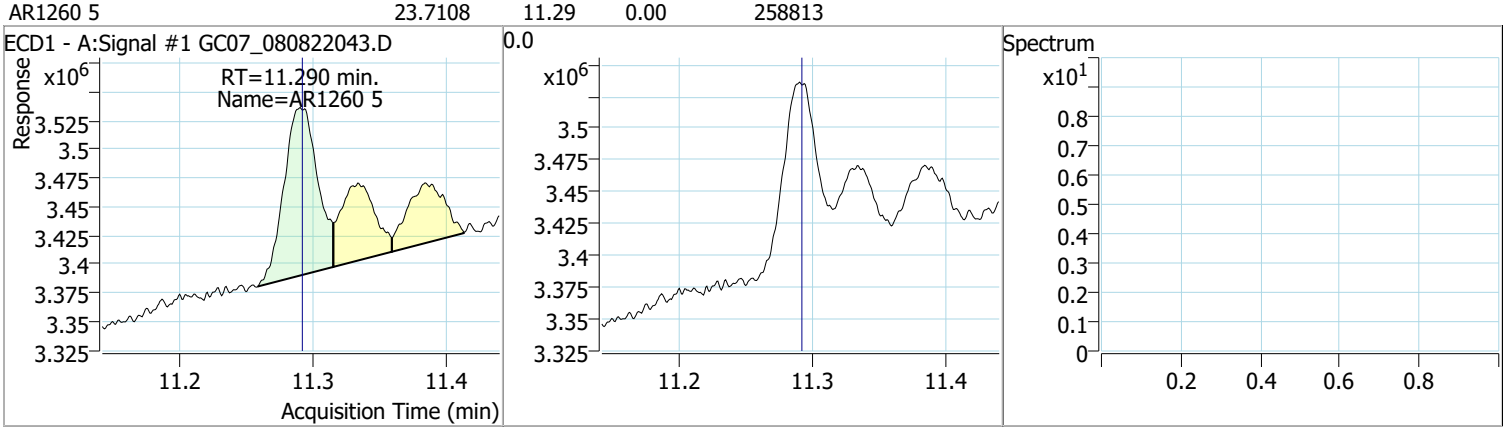
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	22.7189	10.55	0.00	121674				



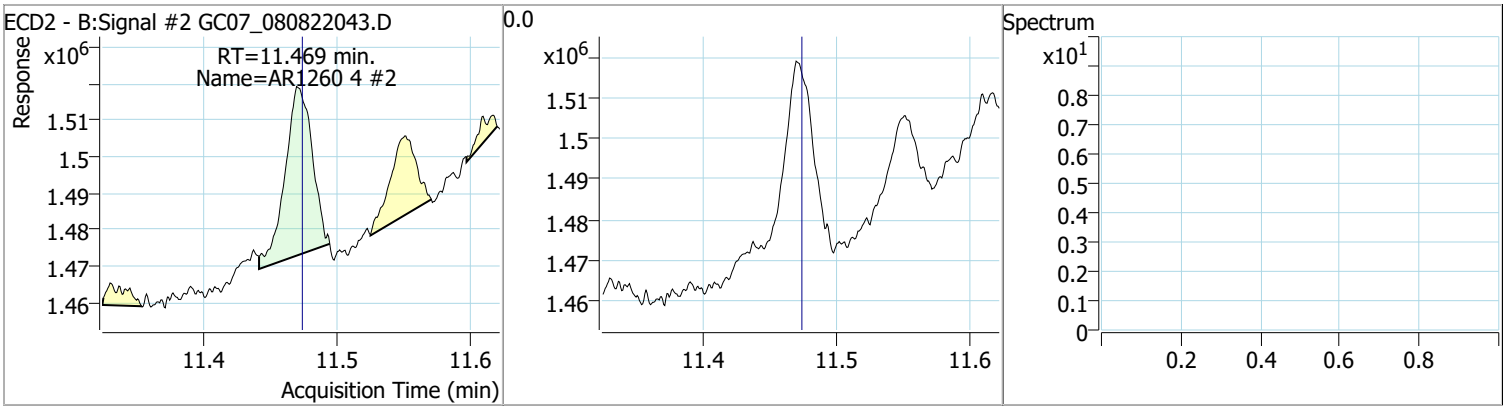
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	21.5717	11.02	0.00	154729				



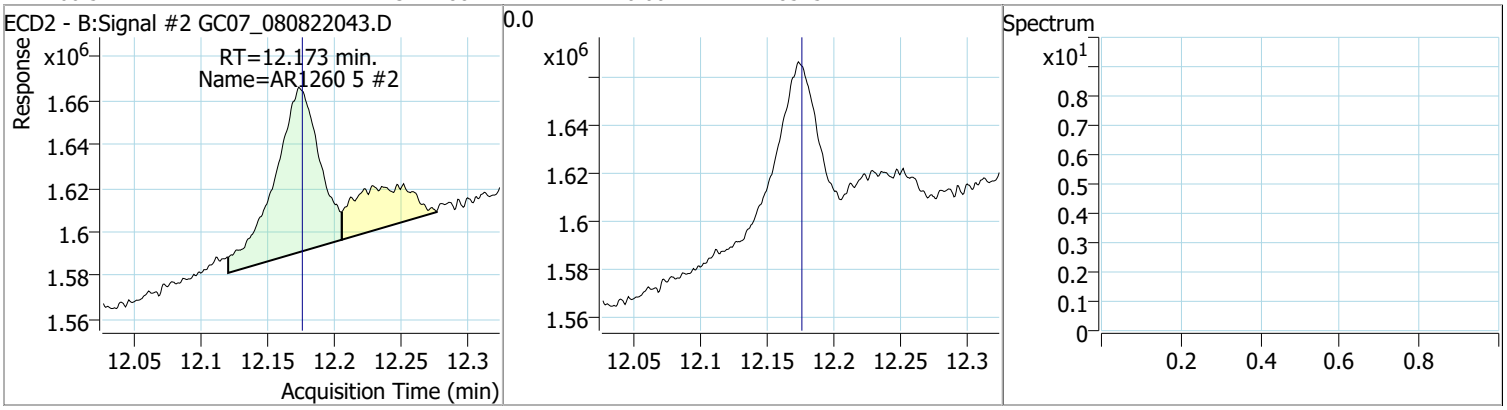
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	23.7108	11.29	0.00	258813				



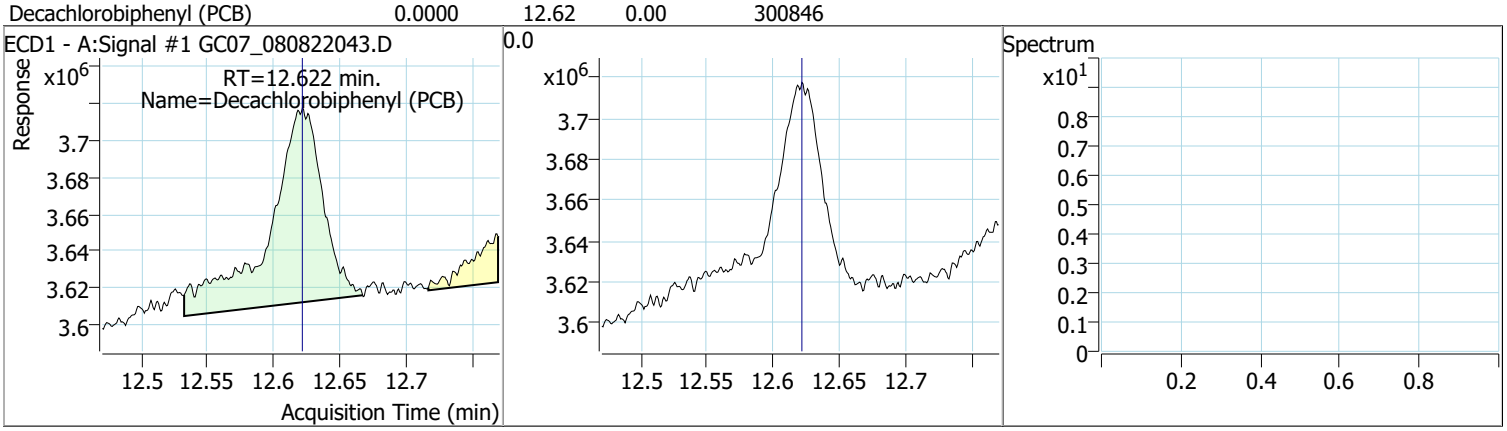
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	18.5986	11.47	0.00	65442				



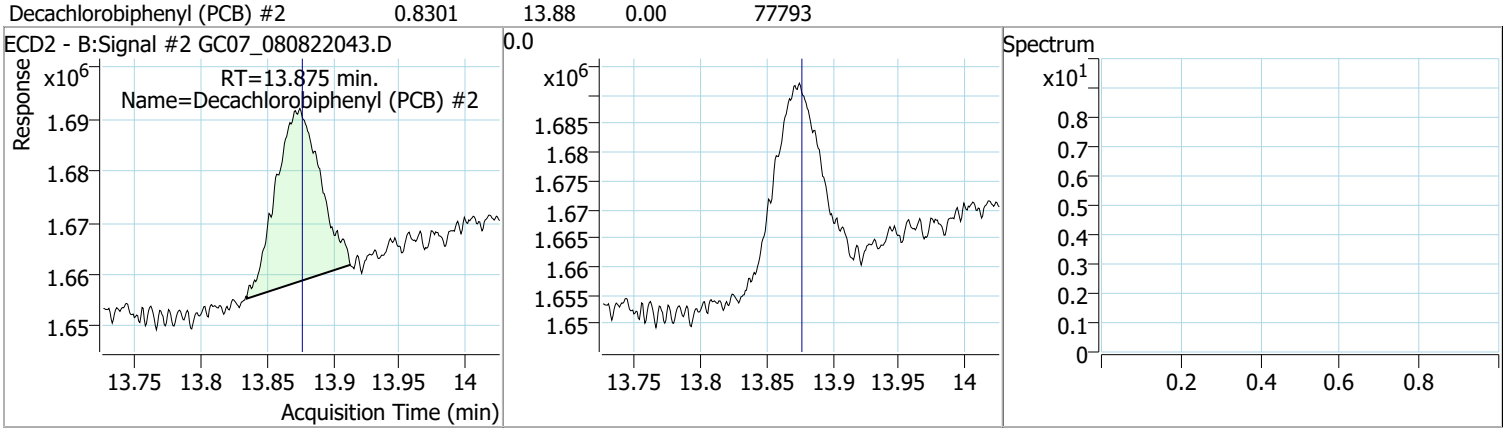
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	31.4288	12.17	0.00	178545				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	0.0000	12.62	0.00	300846				

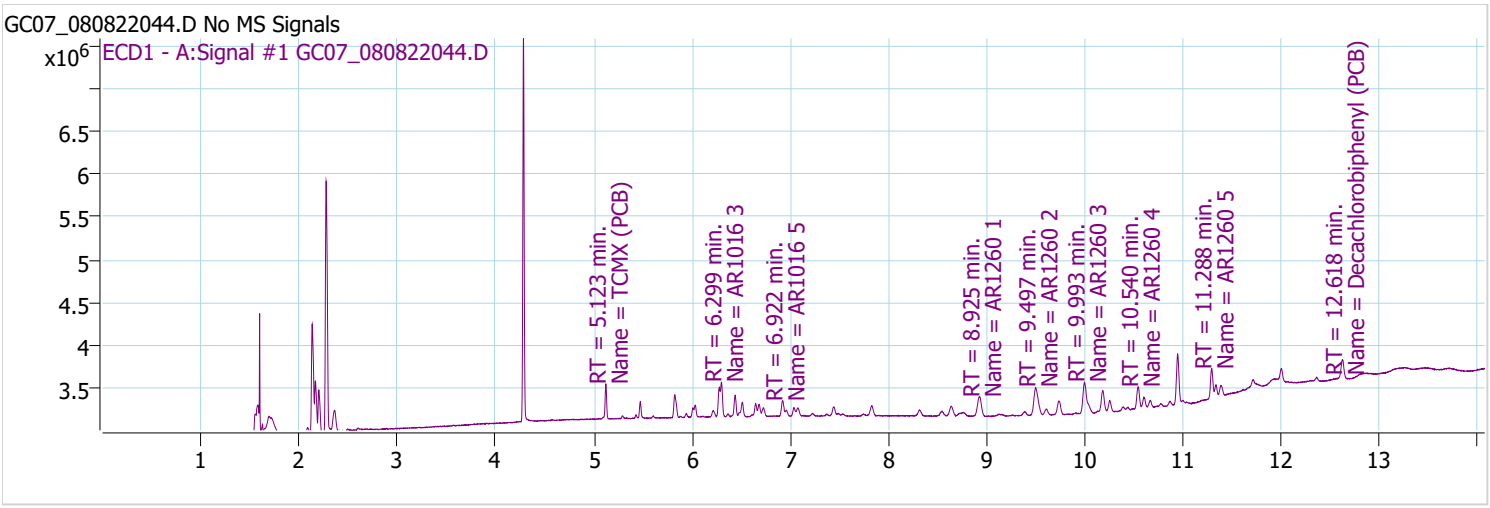


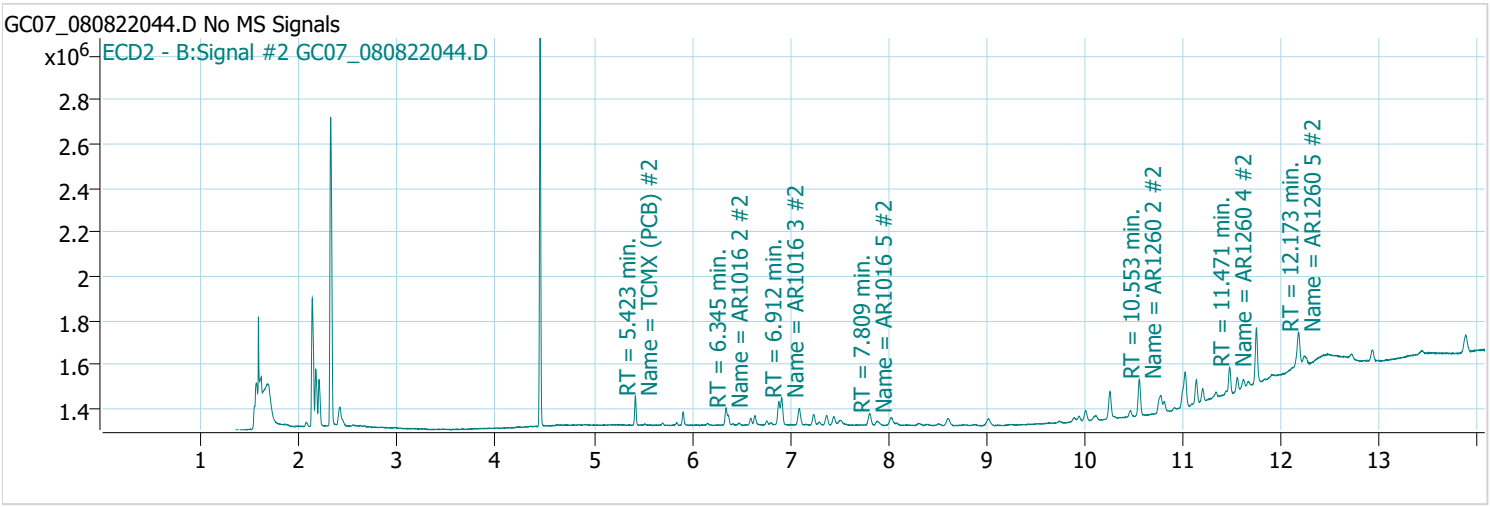
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	0.8301	13.88	0.00	77793				



Quantitation Results Report (Not Reviewed)

Data File	GC07_080822044.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	8/8/2022 10:59:00 PM
Sample Name	ICAL, S16726, 40	Instrument	SVOA-GC07
Vial	92	Multiplier	1.00
DA Method File	PCB_608_080822_GC07_1.m	Comment	50 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	080822.batch.bin	Last Calib Update	8/9/2022 3:43:56 PM
Ref Library			



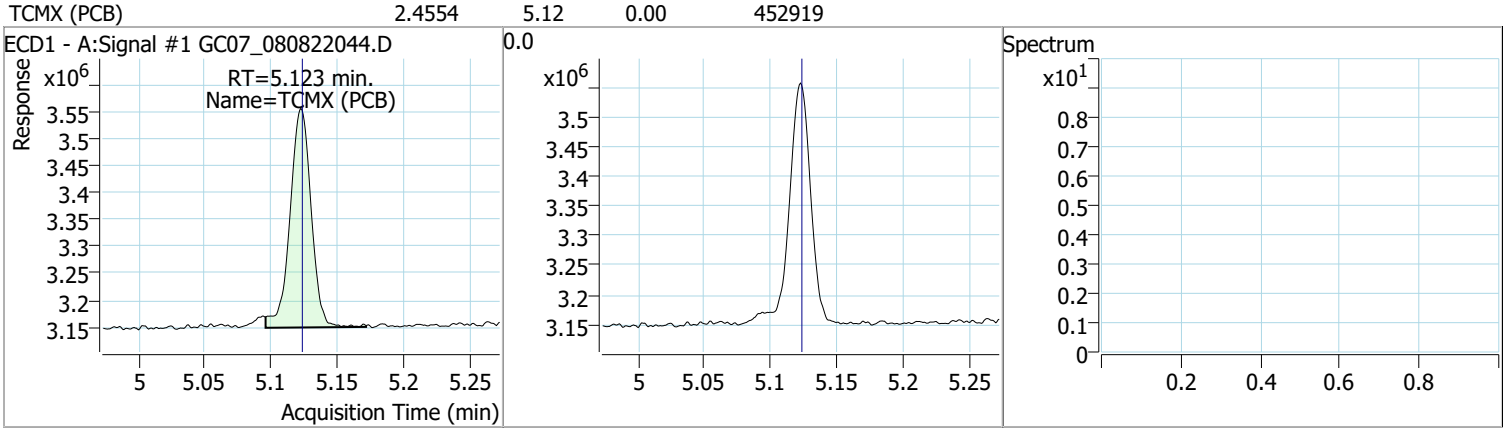


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.284	0.0	4212292.625	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.453	0.0	1564449.289	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.123	0.0	452919.262	2.4554	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 12.28%		*	
S TCMX (PCB) #2	5.423	0.0	134731.313	2.0382	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 10.19%		*	
S Decachlorobiphenyl (PCB)	12.618	0.0	482740.846	0.5506	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 2.75%		*	
S Decachlorobiphenyl (PCB) #2	13.873	0.0	195827.663	2.2307	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 11.15%		*	
Target Compounds							**QValue**
T AR1016 1	5.473	0.0	239320.742	63.3957	ng/ml		100
T AR1016 2	5.824	0.0	468838.746	62.1205	ng/ml		100
T AR1016 1 #2	5.909	0.0	79563.989	56.7802	ng/ml		100

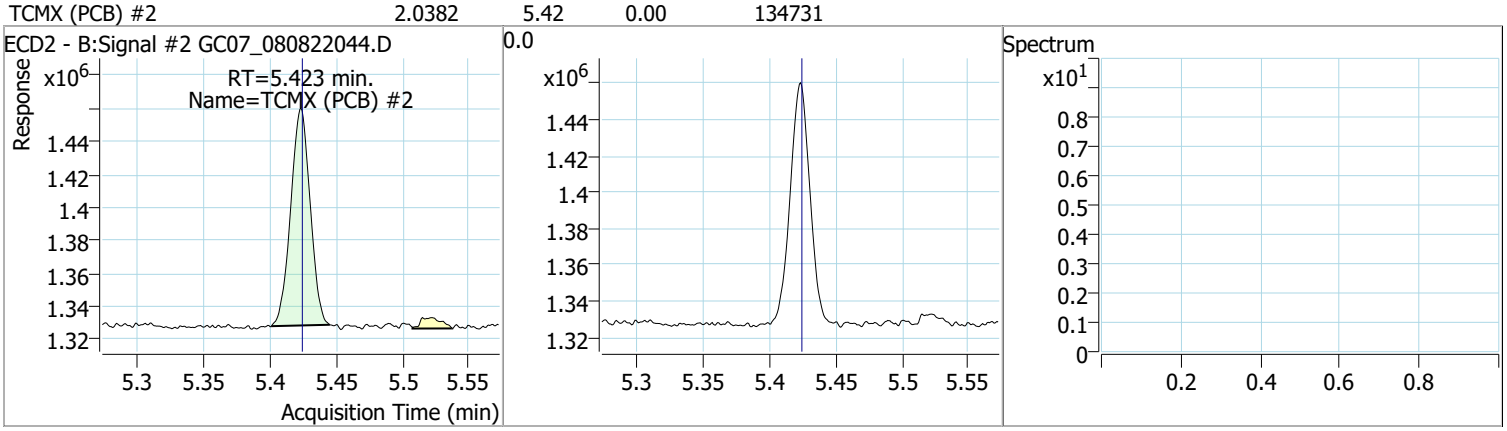
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 3	6.299	0.0	554567.490	44.1241	ng/ml		100
T AR1016 2 #2	6.345	0.0	162556.724	54.0826	ng/ml		100
T AR1016 4	6.438	0.0	368392.765	60.9595	ng/ml		100
T AR1016 3 #2	6.912	0.0	197792.593	54.1555	ng/ml		100
T AR1016 5	6.922	0.0	323176.145	61.0786	ng/ml		100
T AR1016 4 #2	7.091	0.0	144731.400	54.7102	ng/ml		100
T AR1016 5 #2	7.809	0.0	114704.958	55.9058	ng/ml		100
T AR1260 1	8.925	0.0	642860.465	61.1650	ng/ml		100
T AR1260 2	9.497	0.0	987129.331	62.5259	ng/ml		100
T AR1260 3	9.993	0.0	1055751.935	61.1614	ng/ml		100
T AR1260 1 #2	10.253	0.0	244037.703	55.3920	ng/ml	m	100
T AR1260 4	10.540	0.0	482591.195	61.6229	ng/ml		100
T AR1260 2 #2	10.553	0.0	288045.131	57.4183	ng/ml		100
T AR1260 3 #2	11.018	0.0	388302.225	57.7942	ng/ml		100
T AR1260 5	11.288	0.0	598988.730	58.0915	ng/ml		100
T AR1260 4 #2	11.471	0.0	197982.476	60.0695	ng/ml		100
T AR1260 5 #2	12.173	0.0	324615.139	61.0027	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

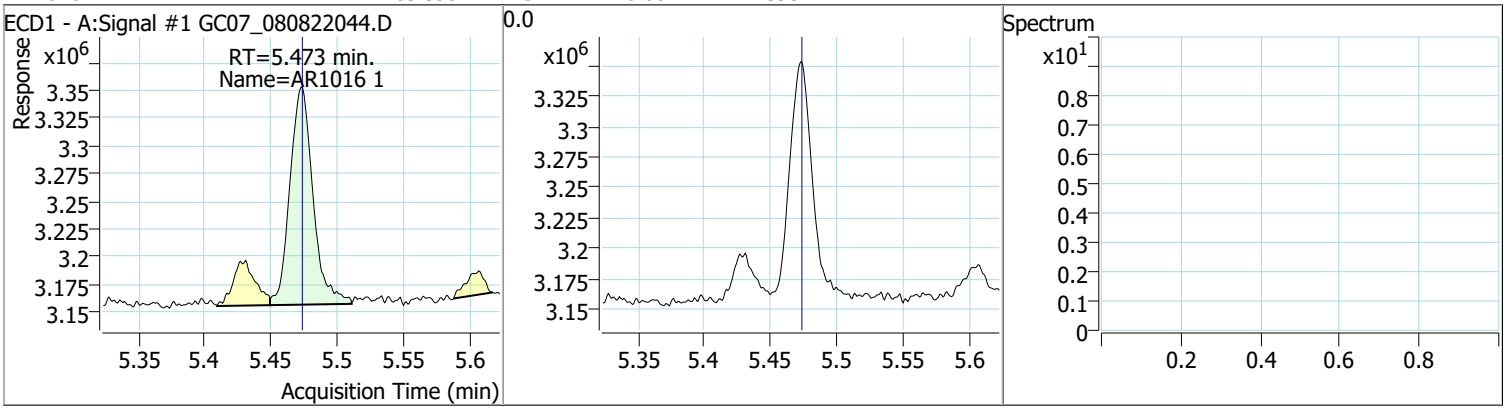
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	2.4554	5.12	0.00	452919				



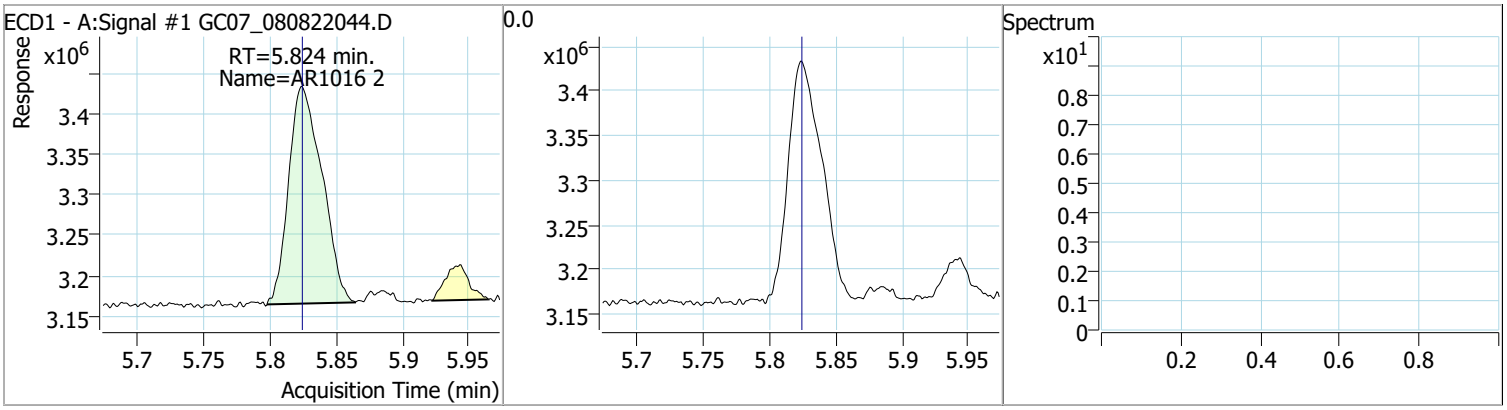
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	2.0382	5.42	0.00	134731				



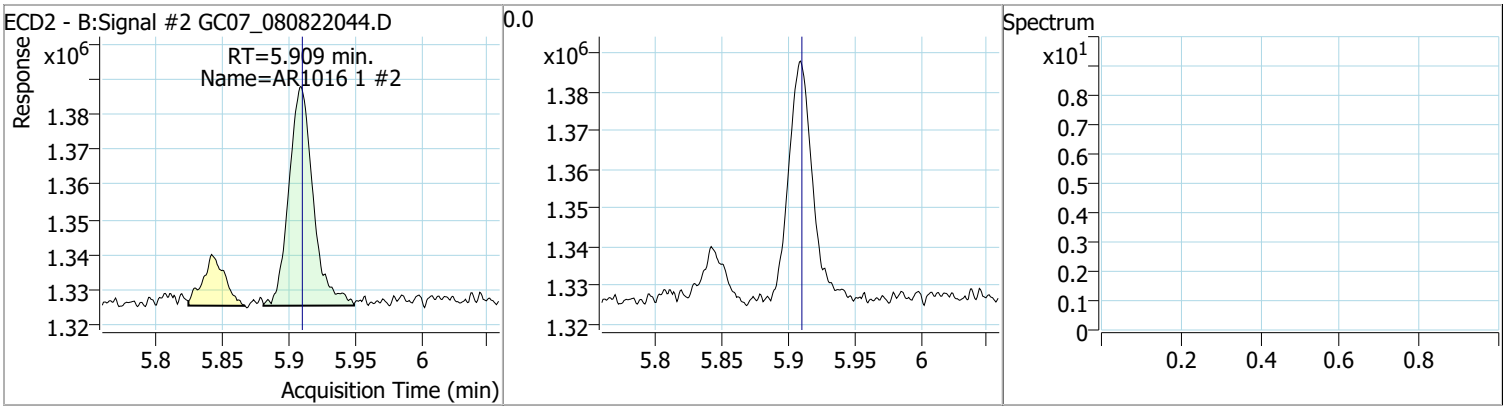
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	63.3957	5.47	0.00	239321				



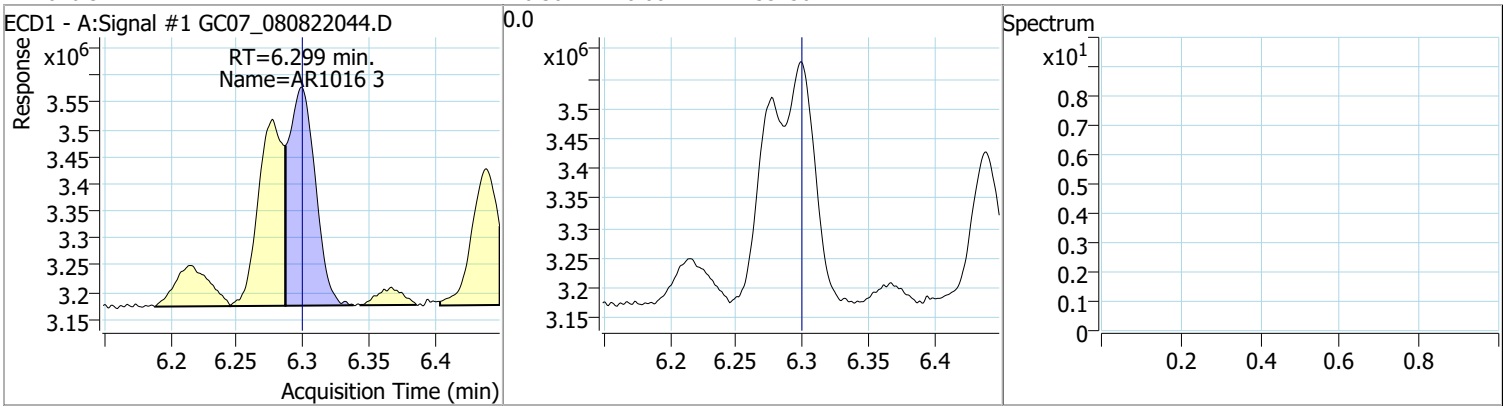
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	62.1205	5.82	0.00	468839				



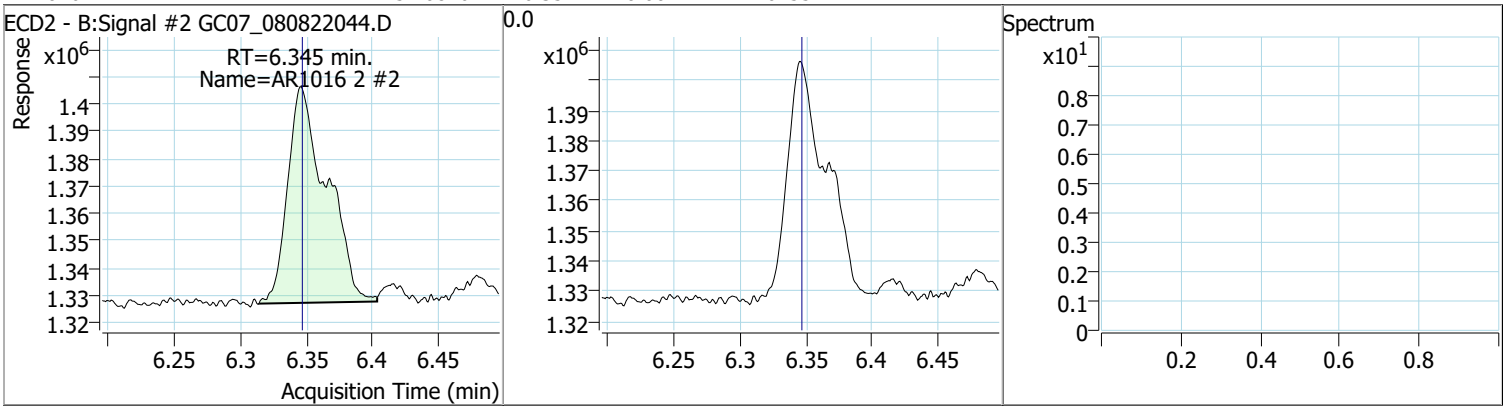
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	56.7802	5.91	0.00	79564				



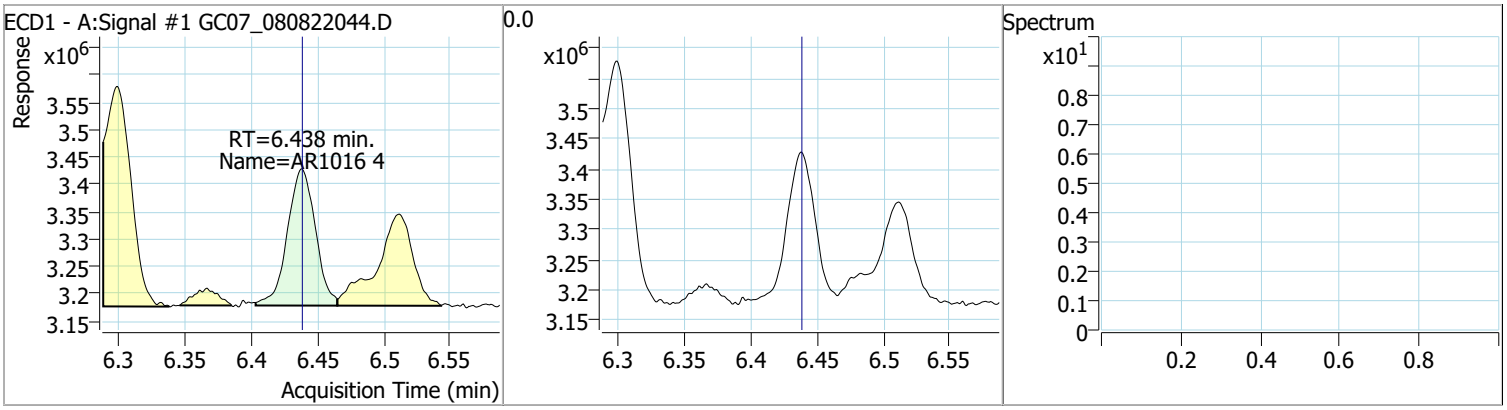
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	44.1241	6.30	0.00	554567				



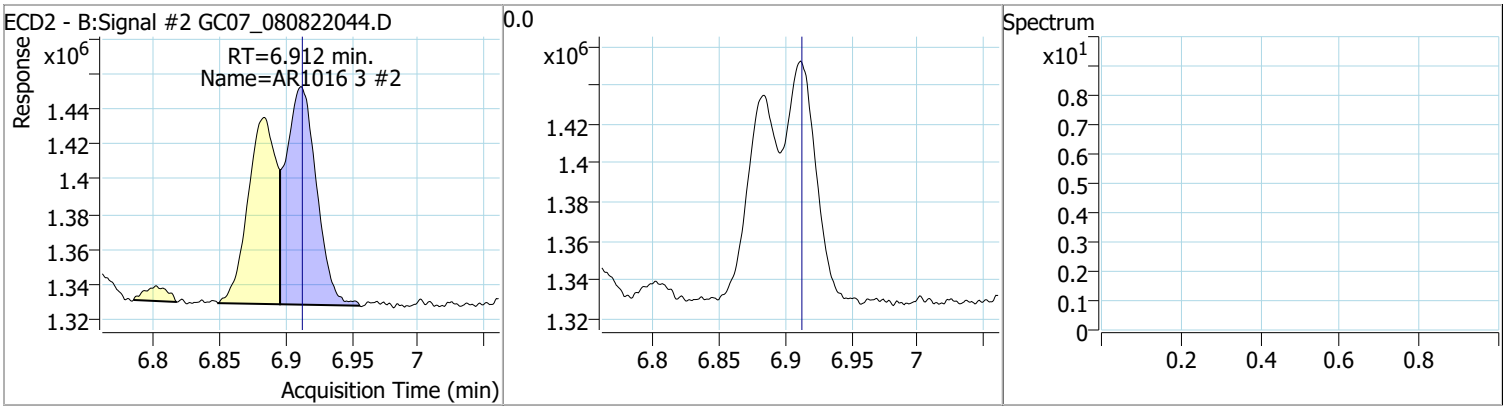
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	54.0826	6.35	0.00	162557				



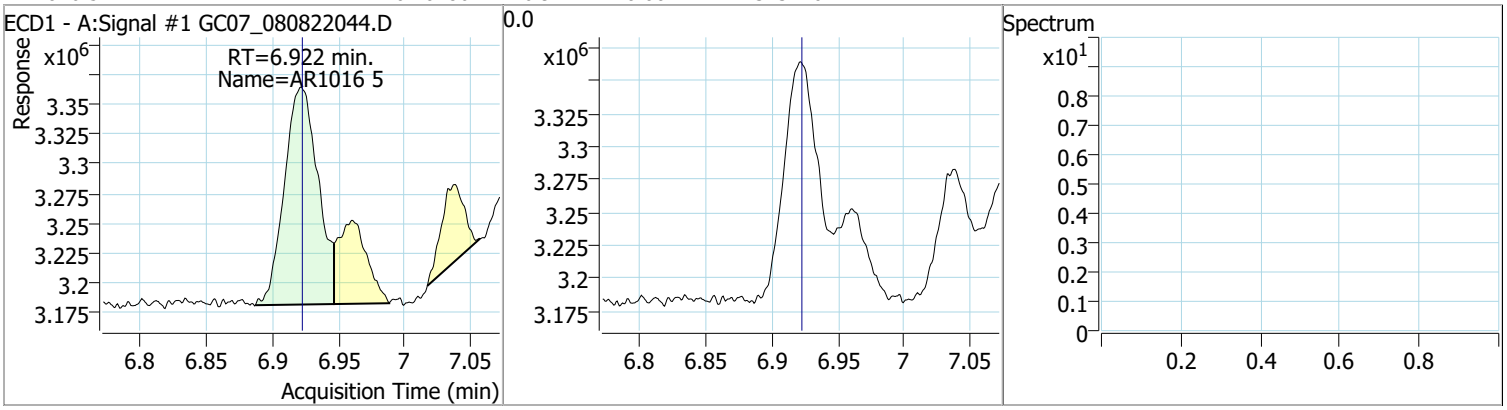
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	60.9595	6.44	0.00	368393				



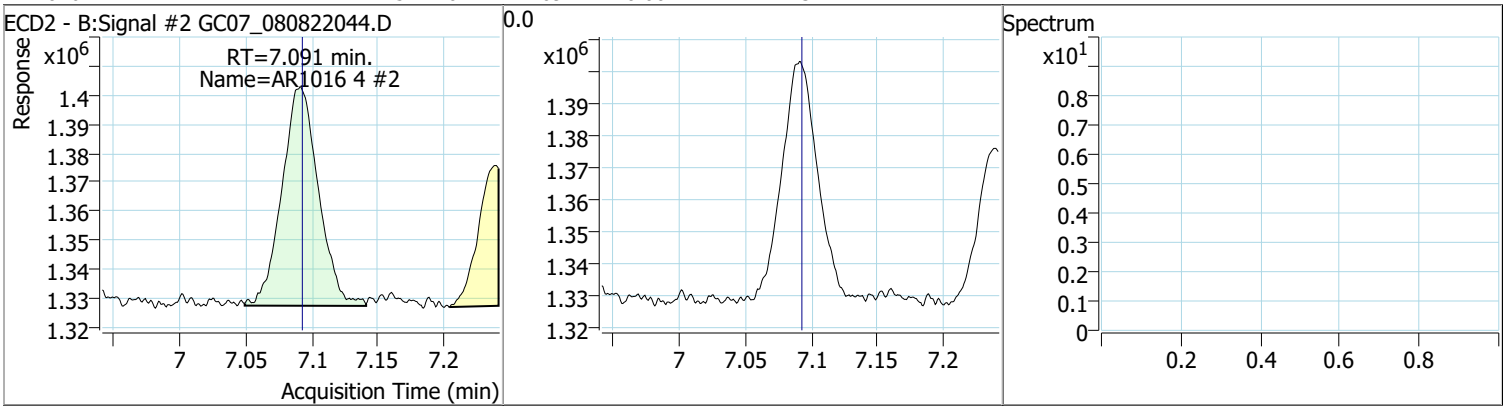
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	54.1555	6.91	0.00	197793				



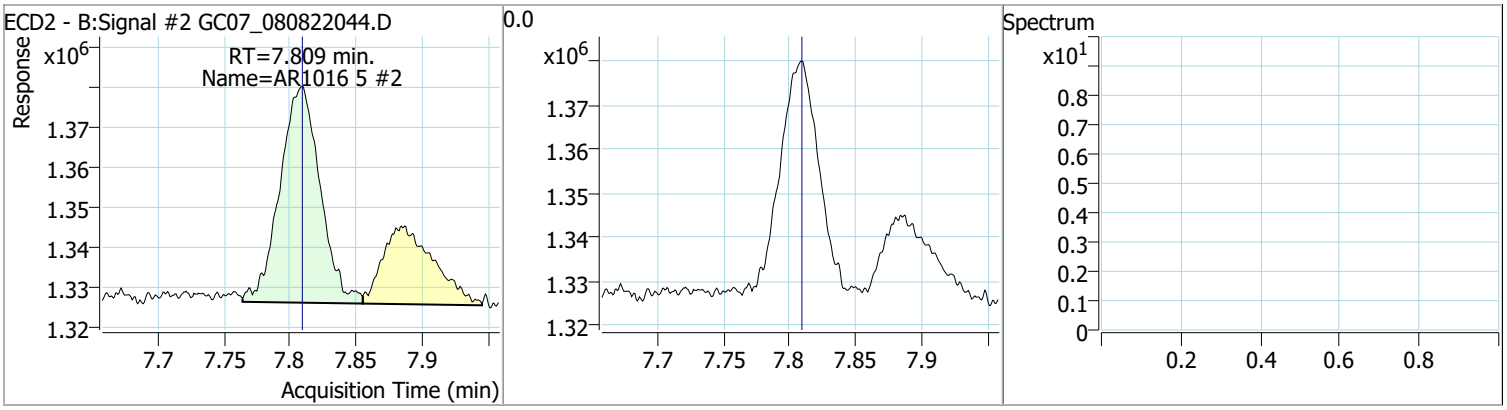
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	61.0786	6.92	0.00	323176				



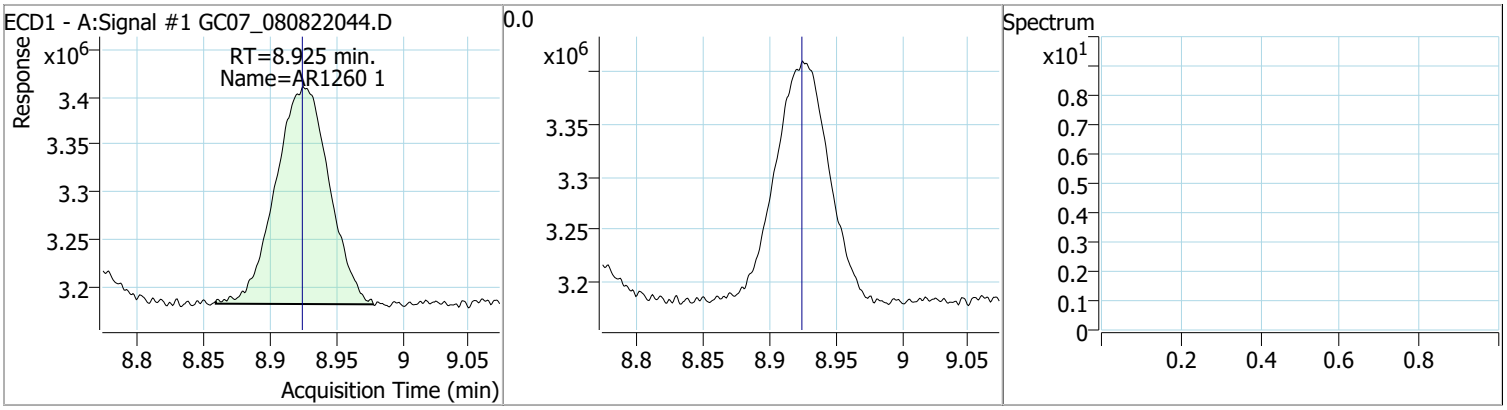
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	54.7102	7.09	0.00	144731				



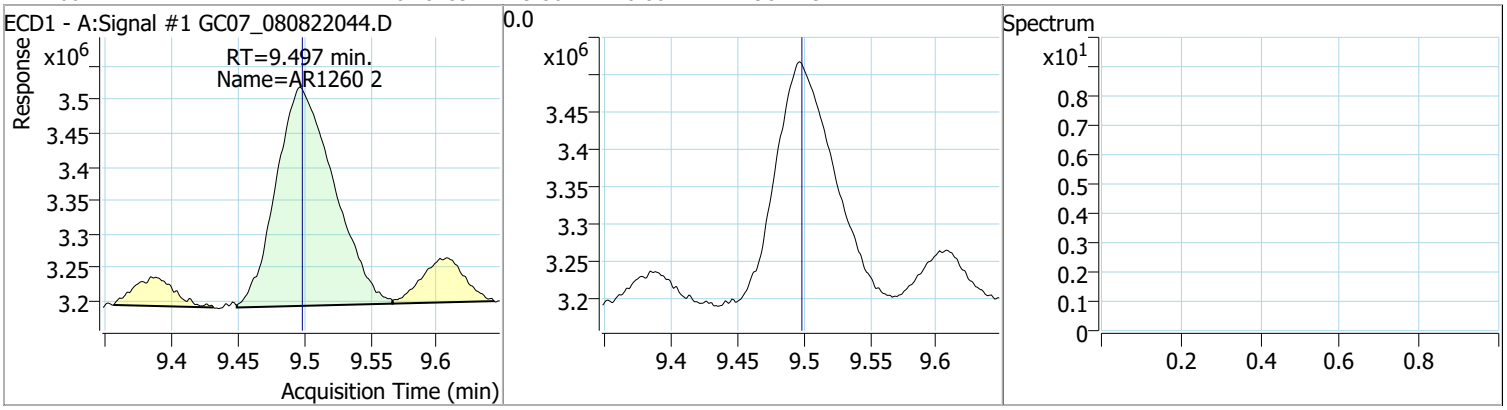
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	55.9058	7.81	0.00	114705				



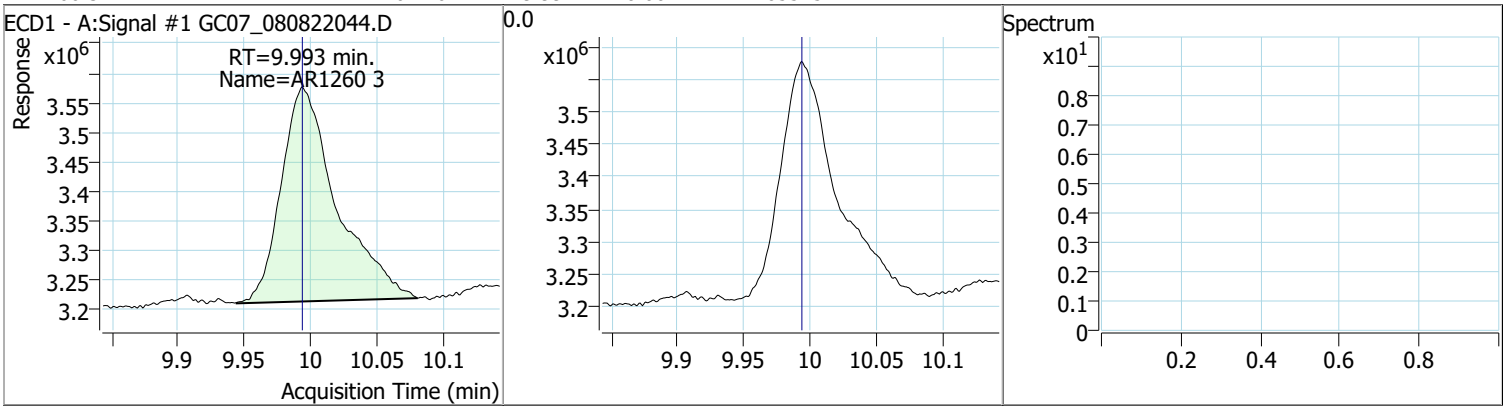
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	61.1650	8.93	0.00	642860				



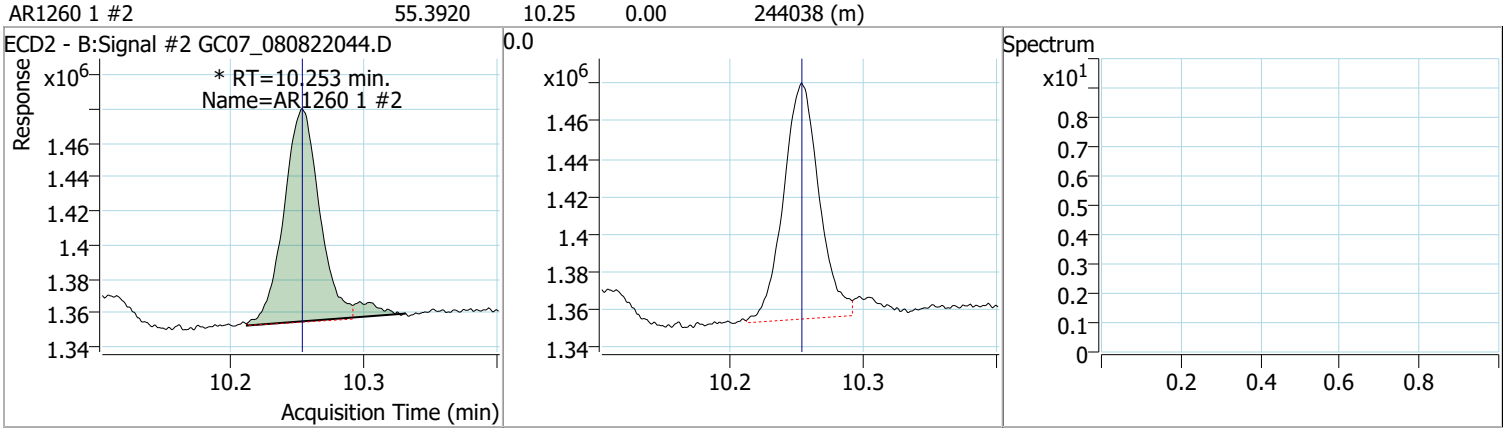
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	62.5259	9.50	0.00	987129				



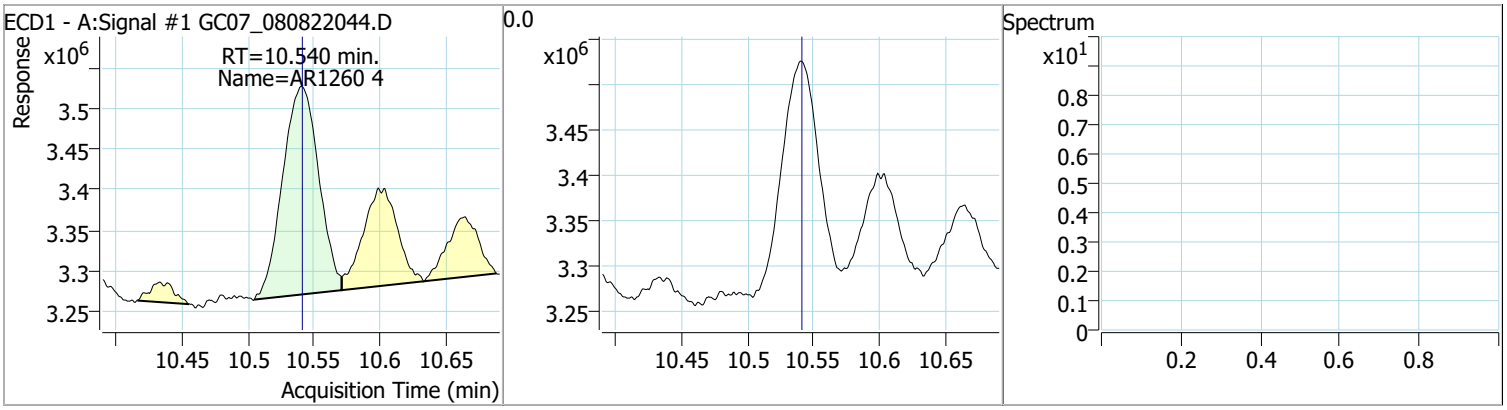
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	61.1614	9.99	0.00	1055752				



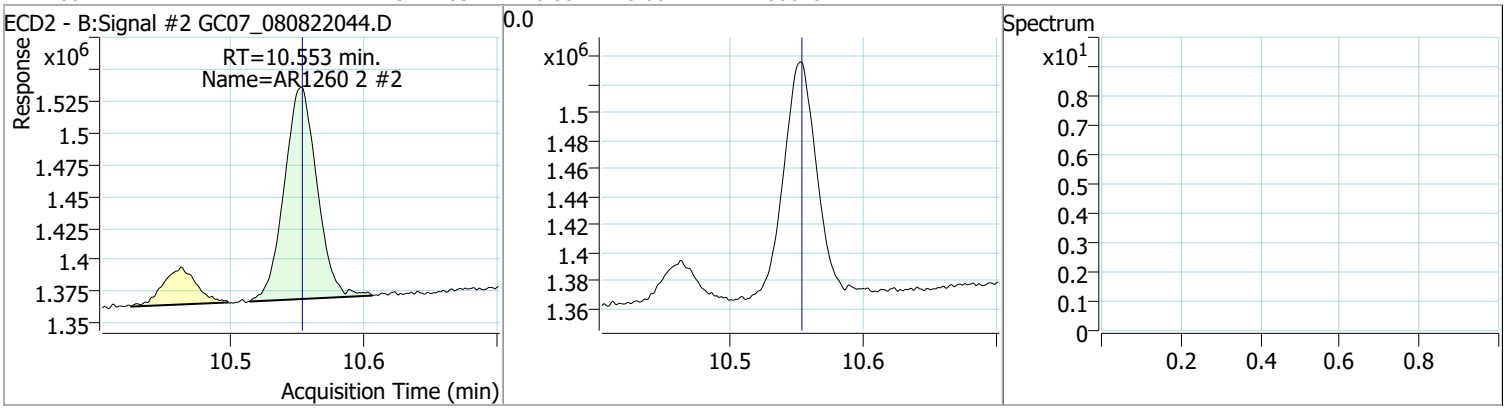
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	55.3920	10.25	0.00	244038 (m)				



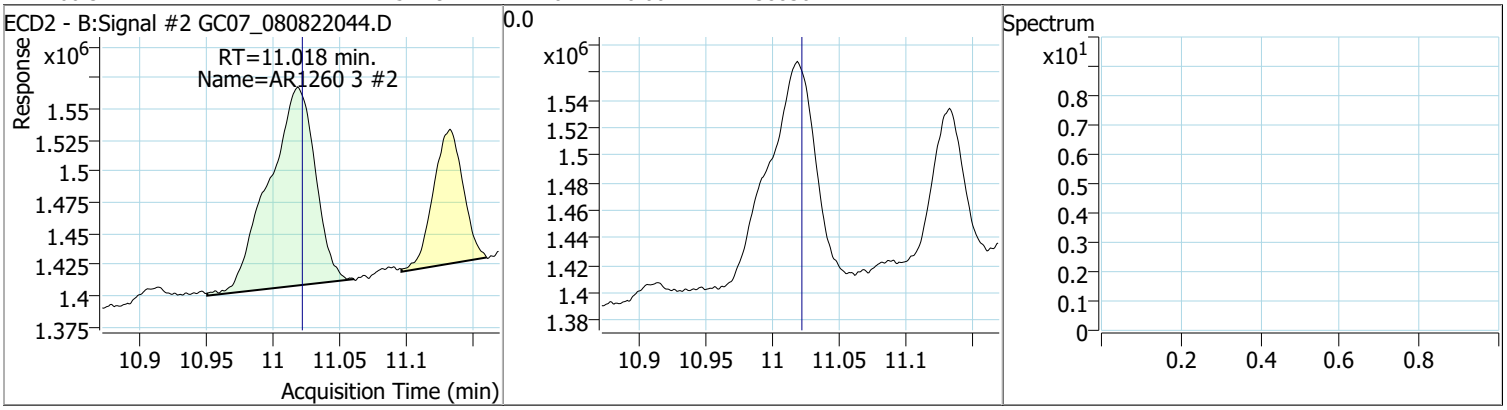
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	61.6229	10.54	0.00	482591				



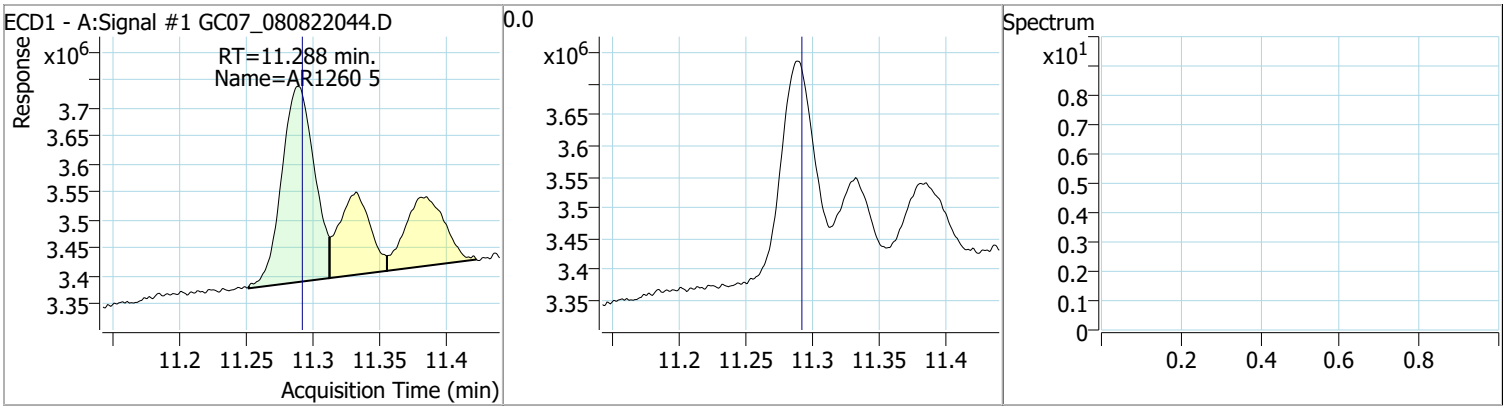
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	57.4183	10.55	0.00	288045				



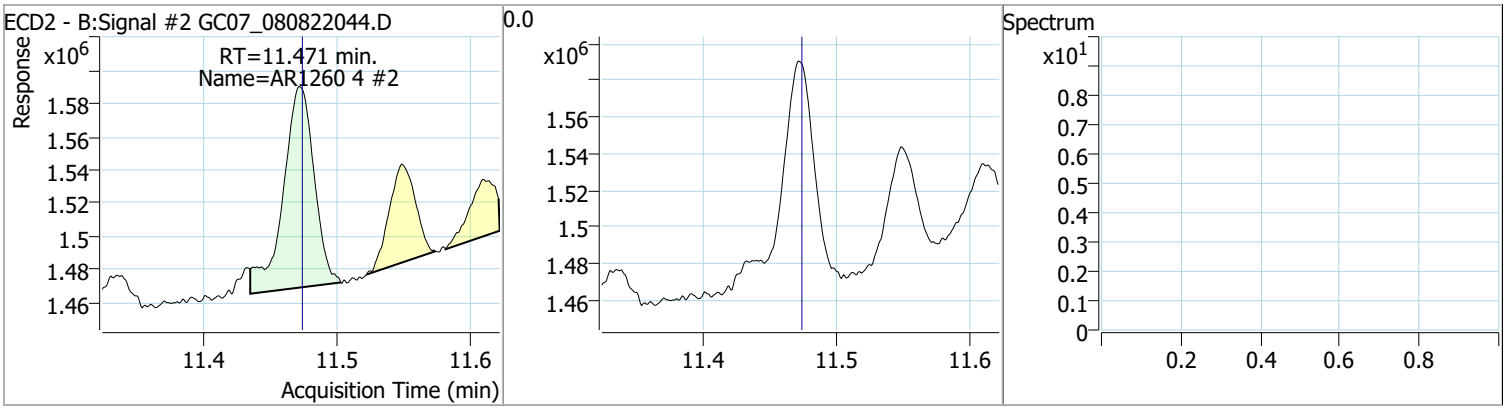
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	57.7942	11.02	0.00	388302				



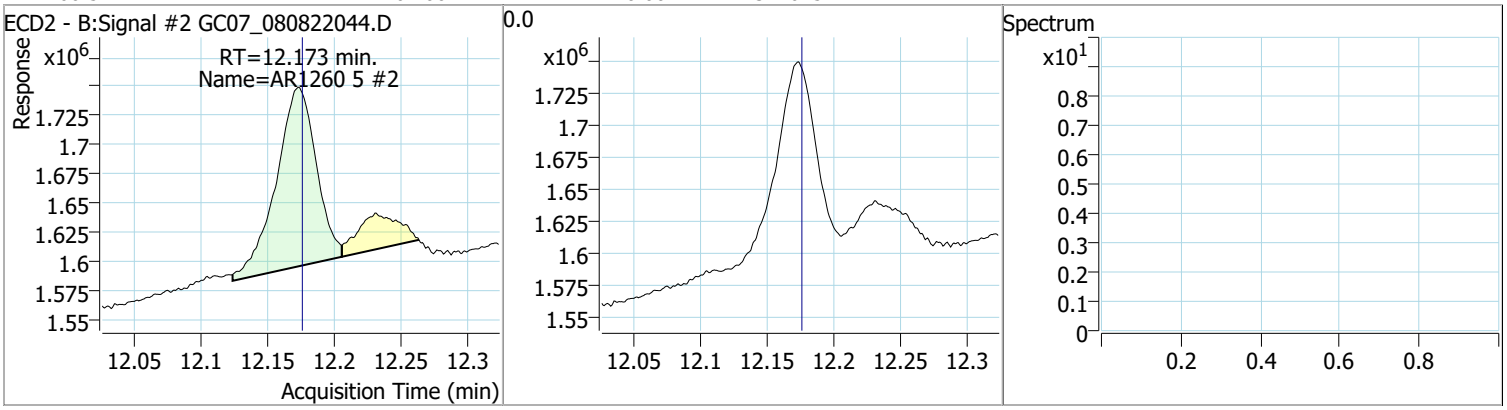
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	58.0915	11.29	0.00	598989				



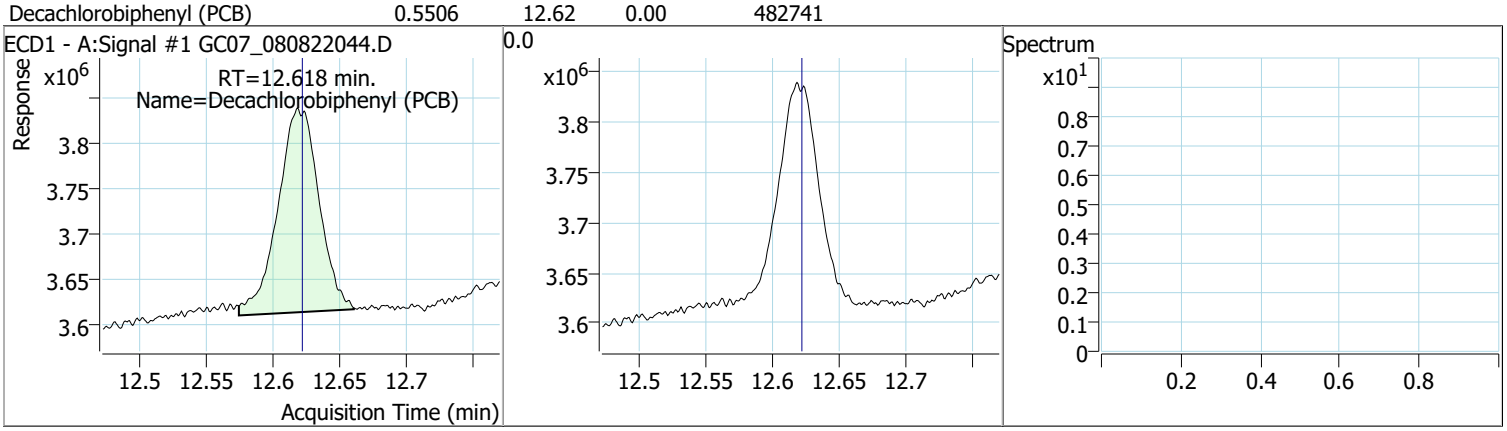
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	60.0695	11.47	0.00	197982				



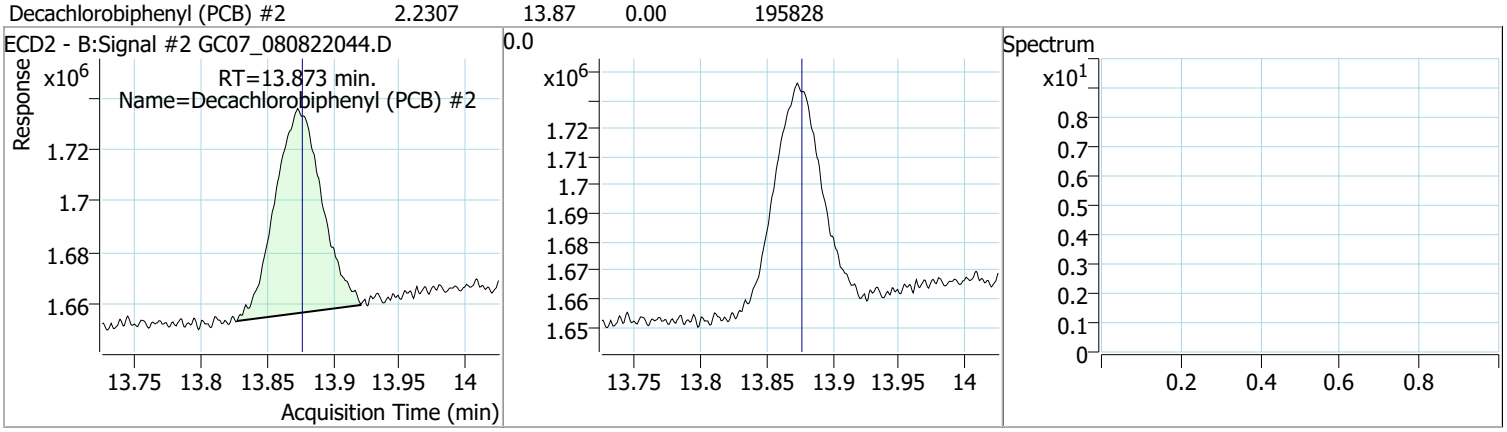
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	61.0027	12.17	0.00	324615				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	0.5506	12.62	0.00	482741				

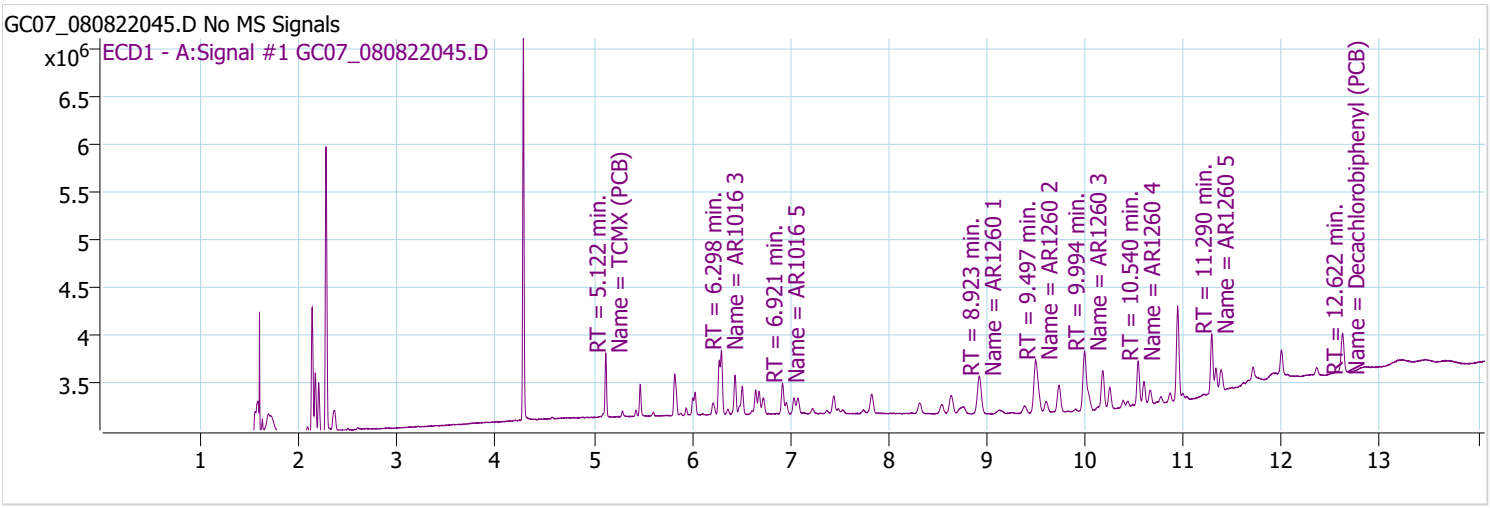


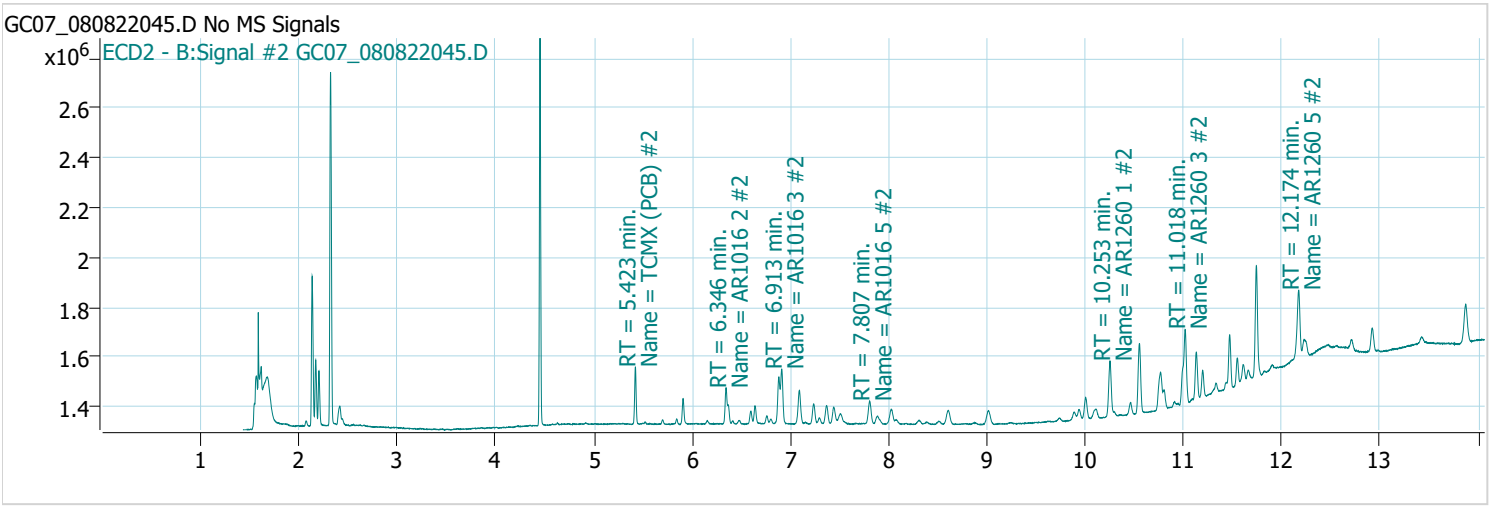
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	2.2307	13.87	0.00	195828				



Quantitation Results Report (Not Reviewed)

Data File	GC07_080822045.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	8/8/2022 11:16:35 PM
Sample Name	ICAL, S16726, 20	Instrument	SVOA-GC07
Vial	93	Multiplier	1.00
DA Method File	PCB_608_080822_GC07_1.m	Comment	100 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	080822.batch.bin	Last Calib Update	8/9/2022 3:43:56 PM
Ref Library			



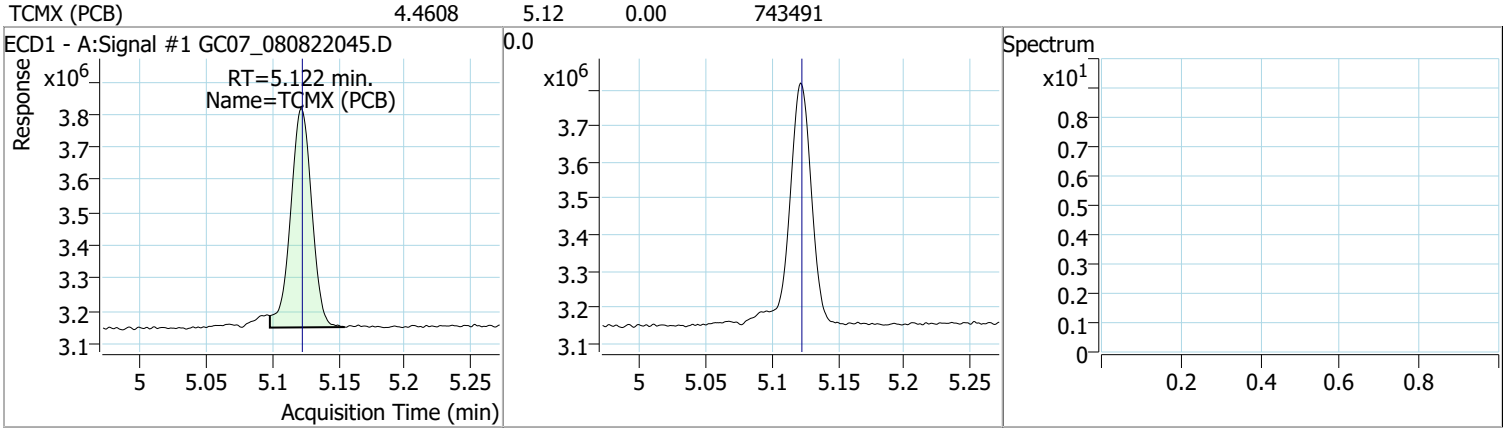


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.284	0.0	3806181.863	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.453	0.0	1393808.998	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.122	0.0	743490.545	4.4608	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 22.30%		*	
S TCMX (PCB) #2	5.423	0.0	249706.180	4.2399	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 21.20%		*	
S Decachlorobiphenyl (PCB)	12.622	0.0	937330.409	4.4102	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 22.05%		*	
S Decachlorobiphenyl (PCB) #2	13.874	0.0	378203.860	4.8356	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 24.18%		*	
Target Compounds							**QValue**
T AR1016 1	5.472	0.0	382887.351	112.2482	ng/ml		100
T AR1016 2	5.823	0.0	782632.139	114.7620	ng/ml		100
T AR1016 1 #2	5.909	0.0	133196.015	106.6914	ng/ml		100

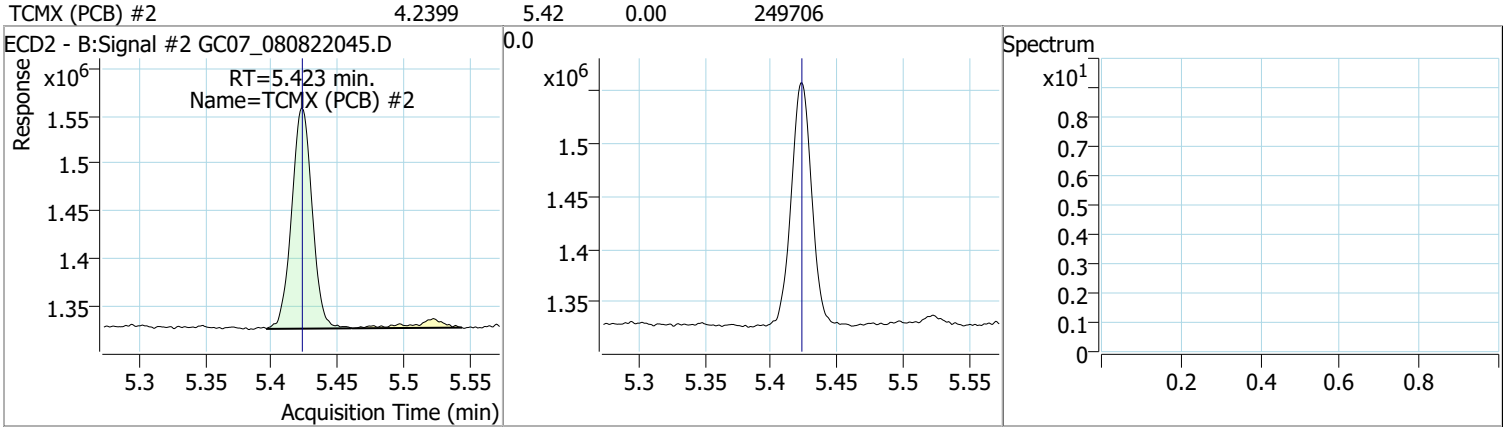
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 3	6.298	0.0	889013.394	107.6357	ng/ml	m	100
T AR1016 2 #2	6.346	0.0	289252.825	108.0162	ng/ml		100
T AR1016 4	6.437	0.0	636204.686	116.5080	ng/ml		100
T AR1016 3 #2	6.913	0.0	355331.839	109.2005	ng/ml		100
T AR1016 5	6.921	0.0	563673.097	117.8980	ng/ml		100
T AR1016 4 #2	7.093	0.0	254522.828	107.9918	ng/ml		100
T AR1016 5 #2	7.807	0.0	189261.070	103.5366	ng/ml		100
T AR1260 1	8.923	0.0	1132888.289	119.2895	ng/ml		100
T AR1260 2	9.497	0.0	1702965.369	119.3771	ng/ml		100
T AR1260 3	9.994	0.0	1831352.836	117.4131	ng/ml		100
T AR1260 1 #2	10.253	0.0	453296.765	115.4865	ng/ml		100
T AR1260 4	10.540	0.0	847007.645	119.6958	ng/ml		100
T AR1260 2 #2	10.553	0.0	516375.863	115.5352	ng/ml		100
T AR1260 3 #2	11.018	0.0	686051.983	114.6119	ng/ml		100
T AR1260 5	11.290	0.0	1070660.043	114.9144	ng/ml		100
T AR1260 4 #2	11.471	0.0	339202.054	115.5165	ng/ml		100
T AR1260 5 #2	12.174	0.0	604627.271	127.5340	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

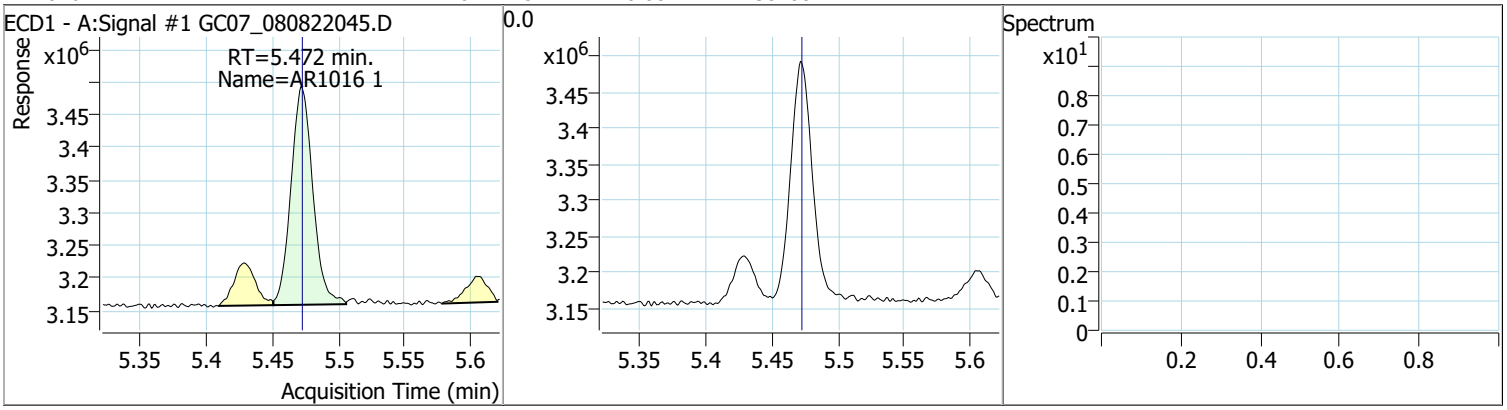
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	4.4608	5.12	0.00	743491				



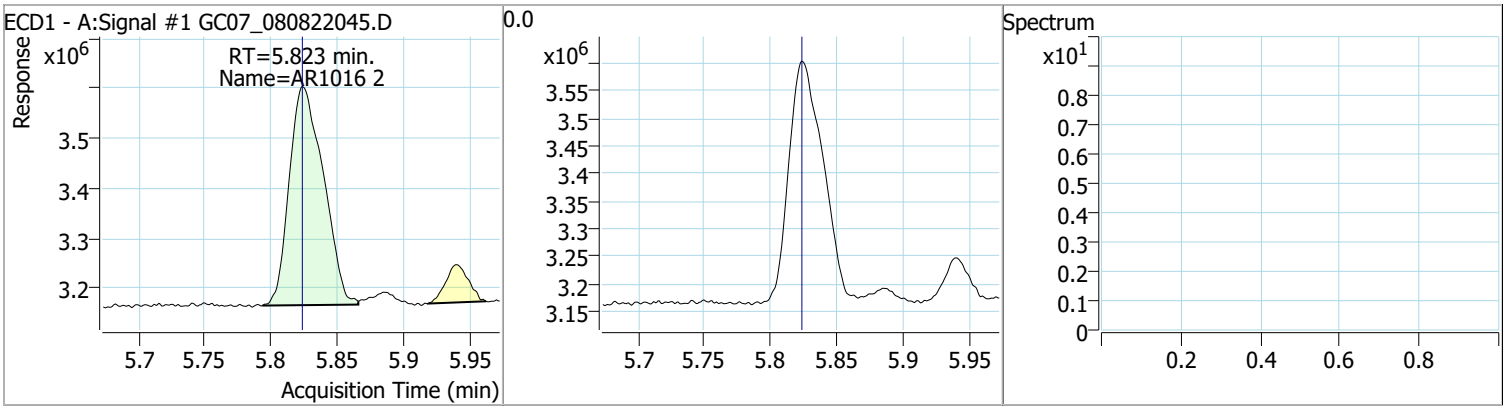
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	4.2399	5.42	0.00	249706				



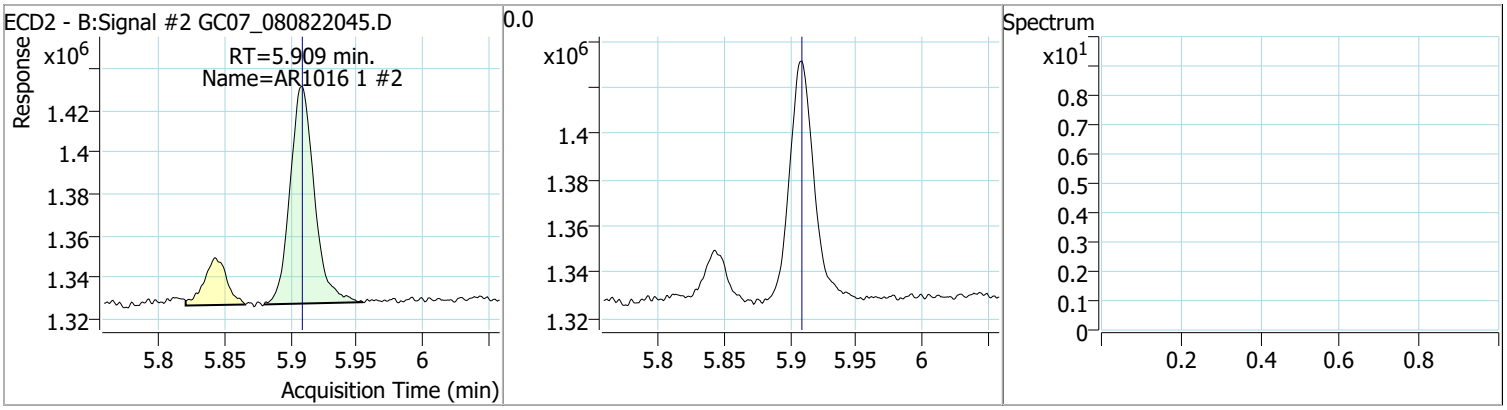
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	112.2482	5.47	0.00	382887				



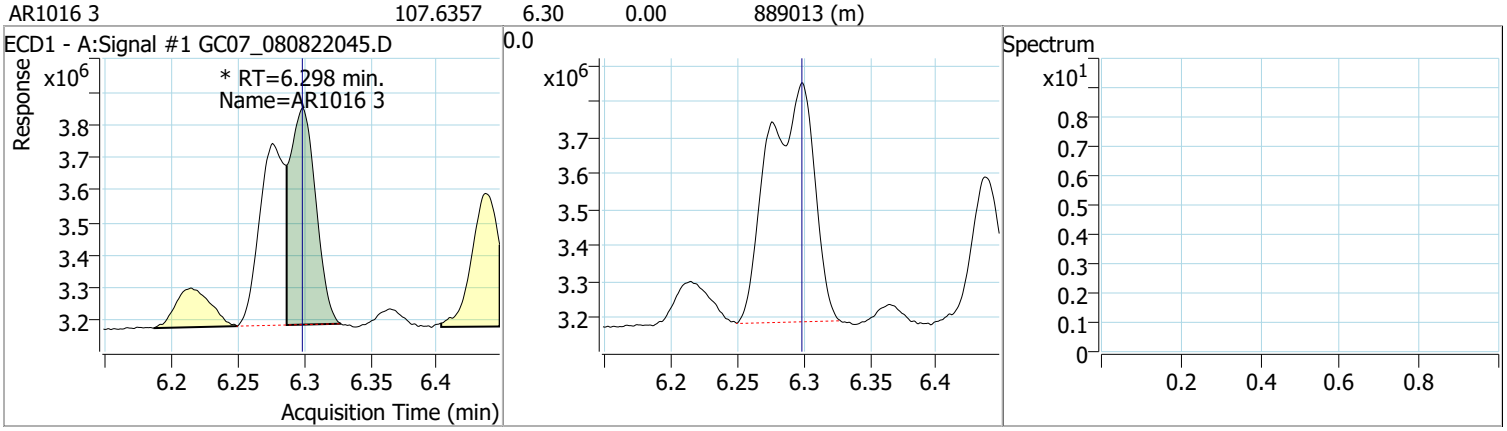
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	114.7620	5.82	0.00	782632				



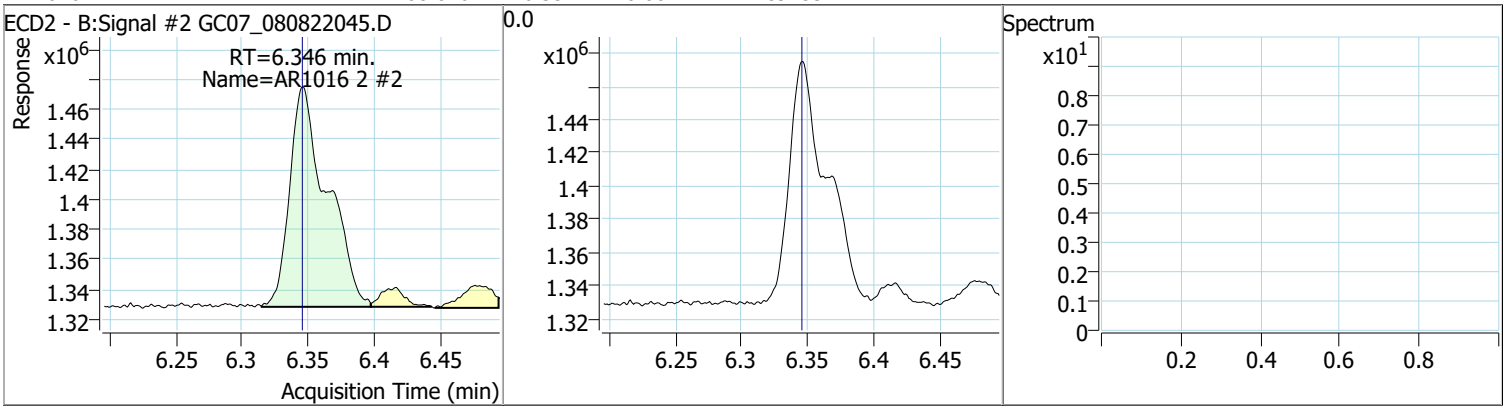
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	106.6914	5.91	0.00	133196				



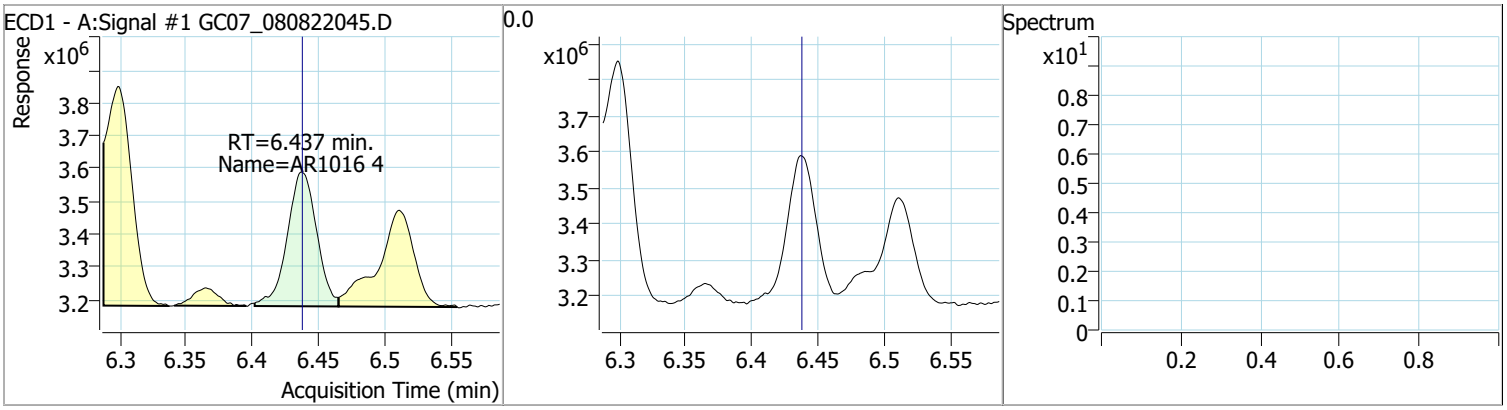
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	107.6357	6.30	0.00	889013 (m)				



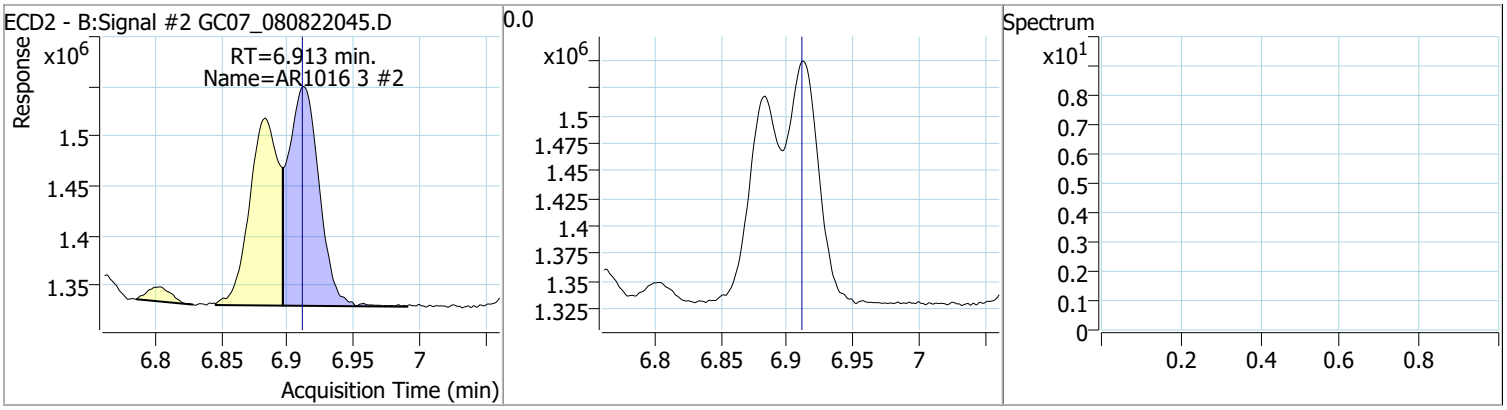
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	108.0162	6.35	0.00	289253				



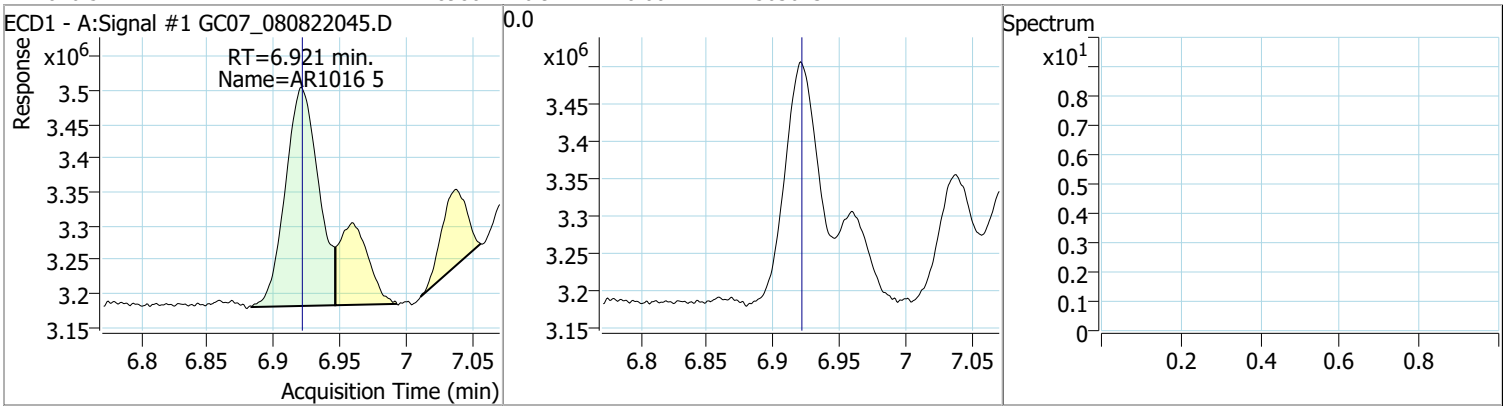
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	116.5080	6.44	0.00	636205				



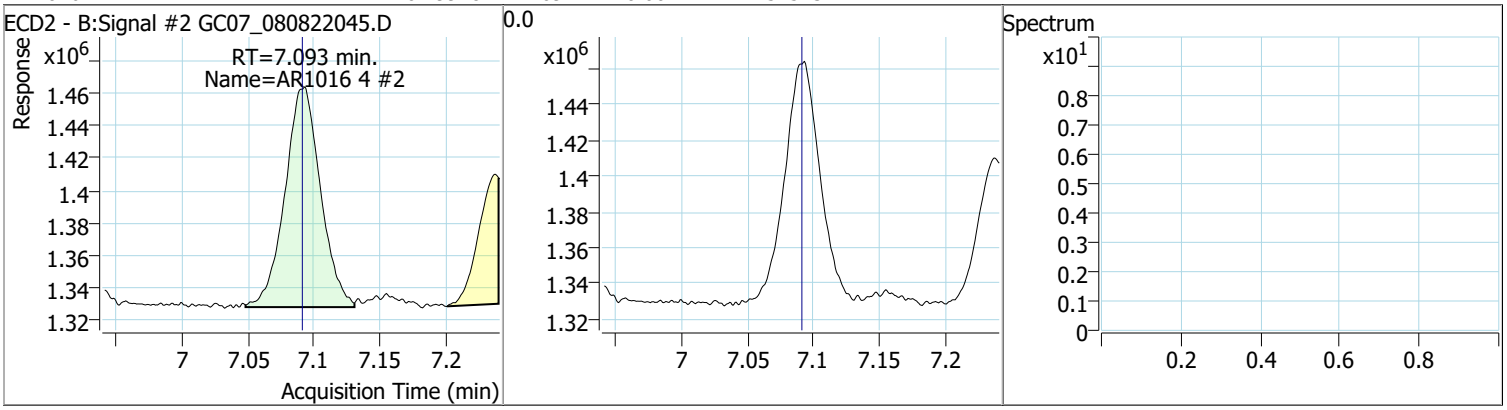
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	109.2005	6.91	0.00	355332				



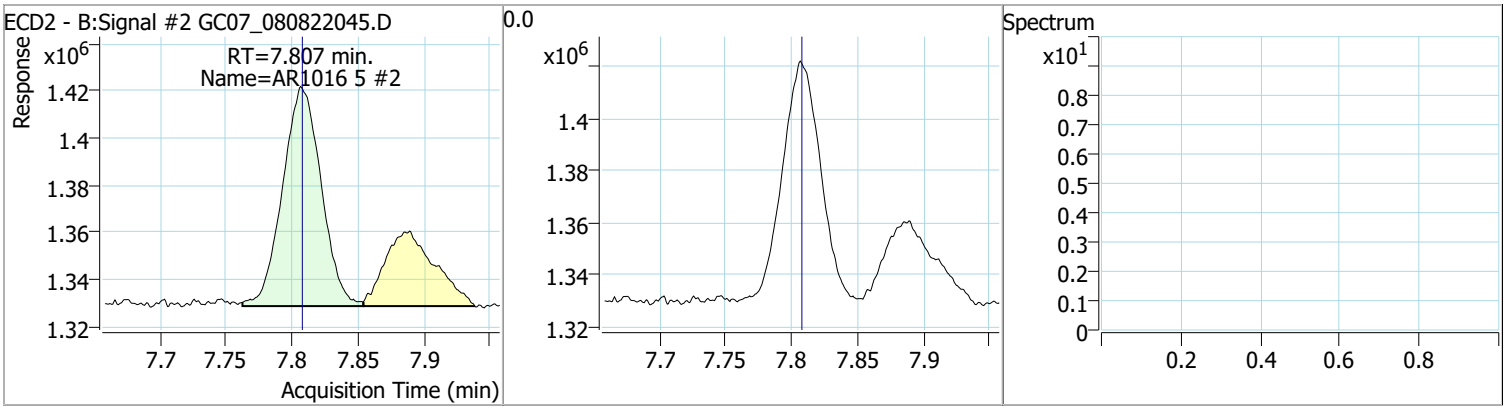
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	117.8980	6.92	0.00	563673				



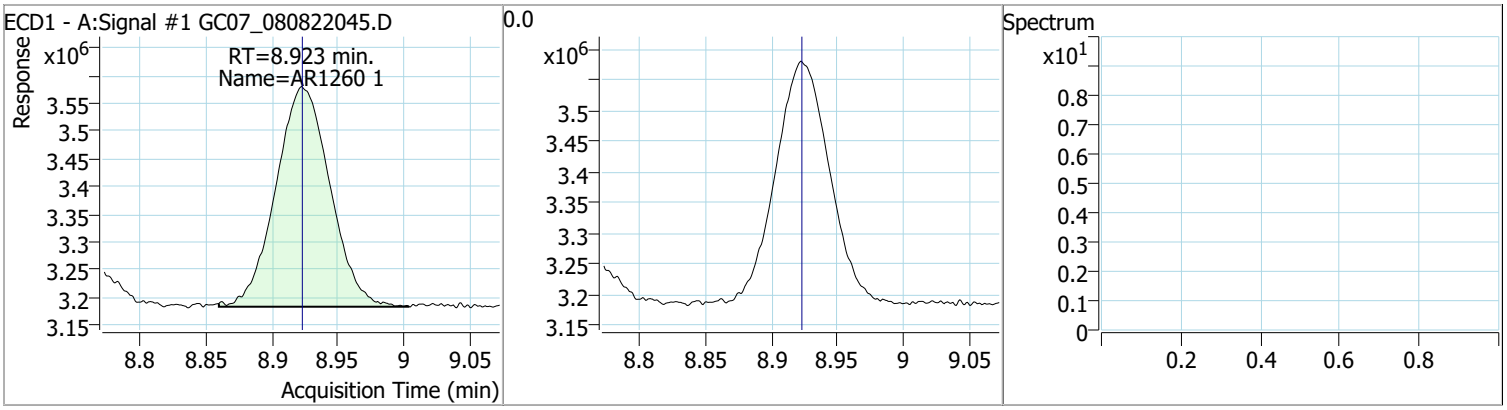
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	107.9918	7.09	0.00	254523				



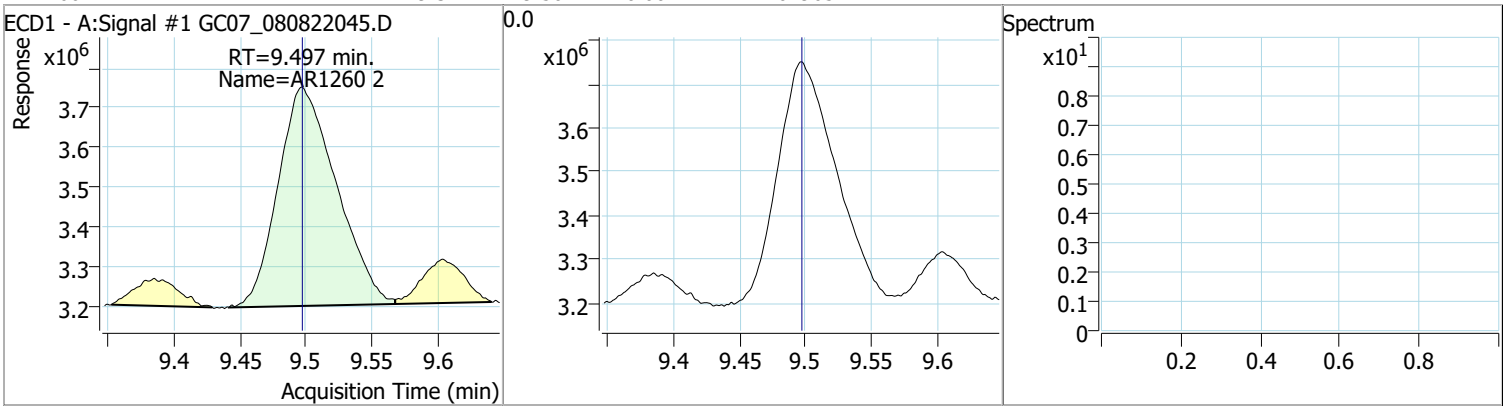
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	103.5366	7.81	0.00	189261				



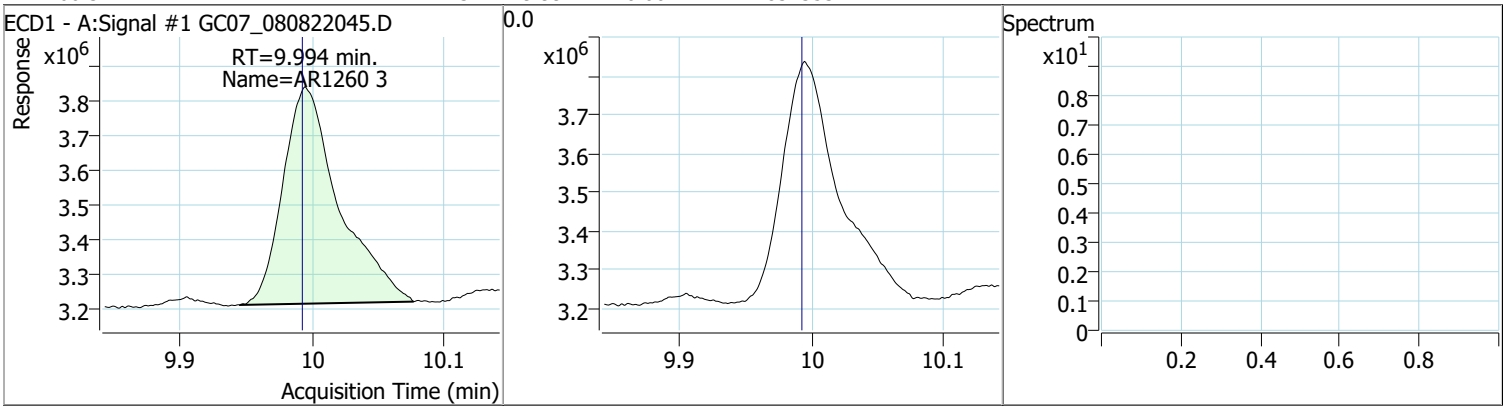
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	119.2895	8.92	0.00	1132888				



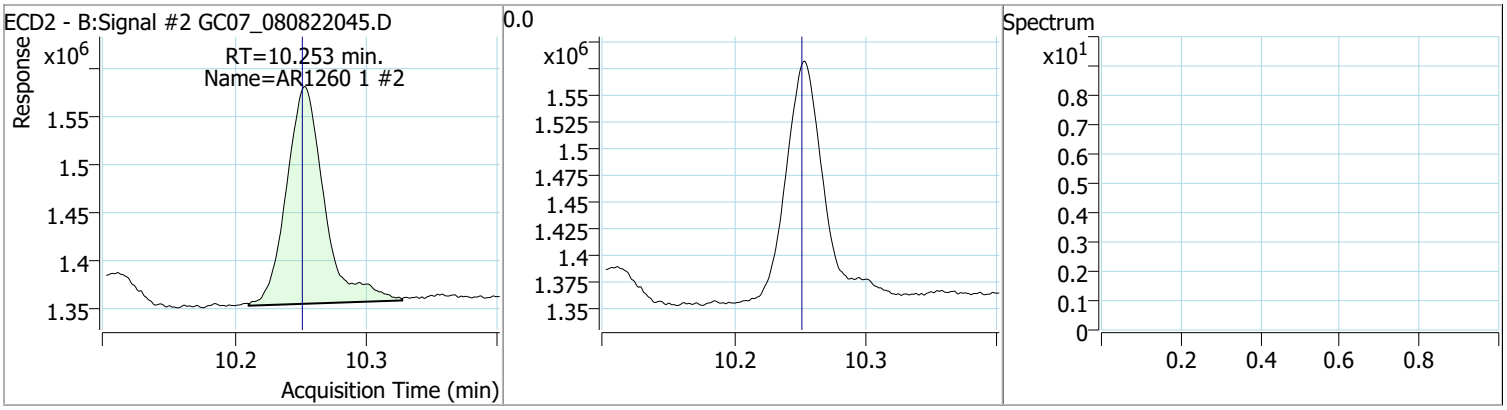
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	119.3771	9.50	0.00	1702965				



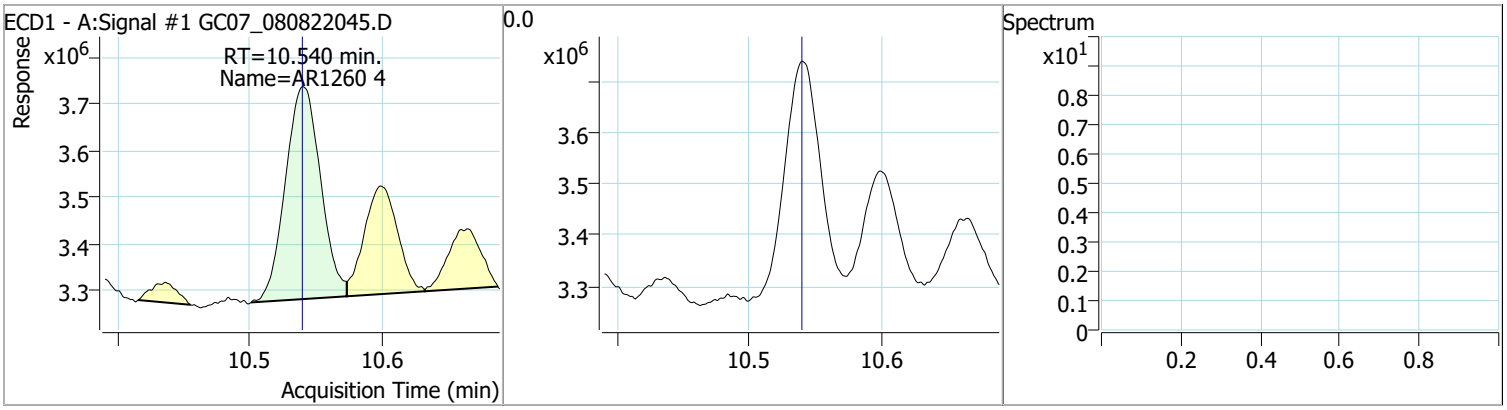
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	117.4131	9.99	0.00	1831353				



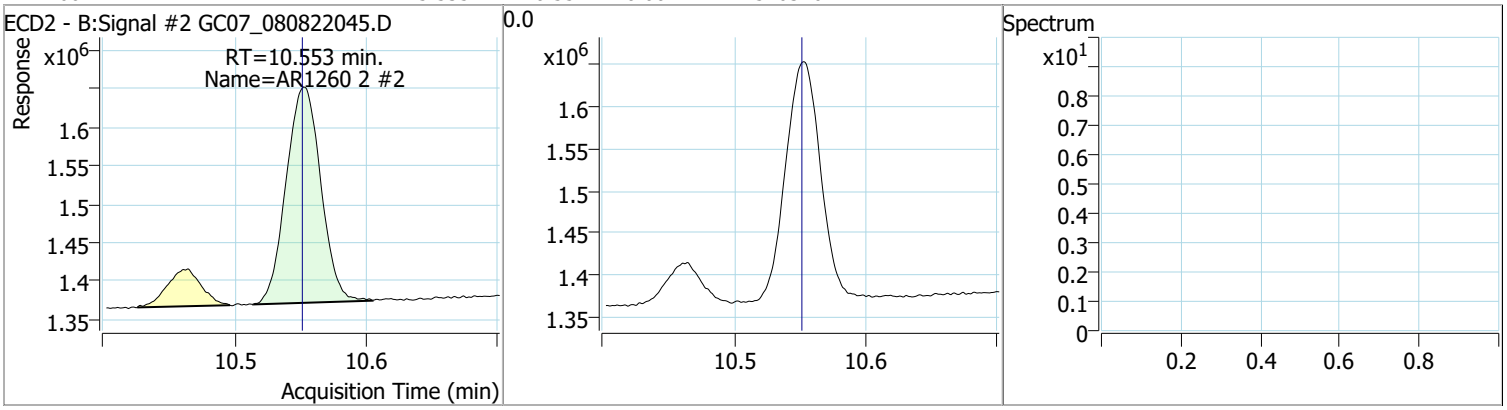
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	115.4865	10.25	0.00	453297				



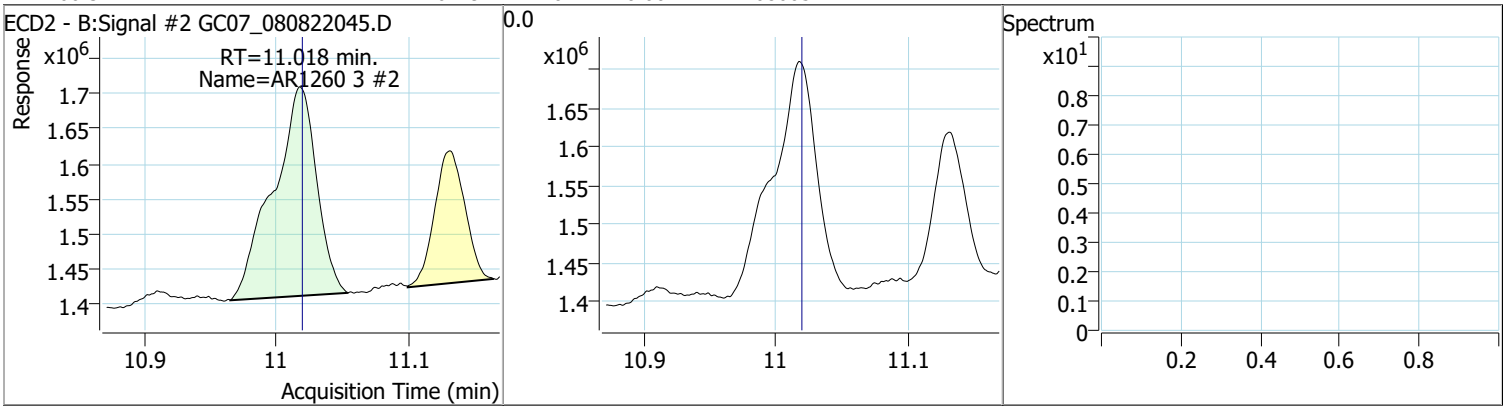
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	119.6958	10.54	0.00	847008				



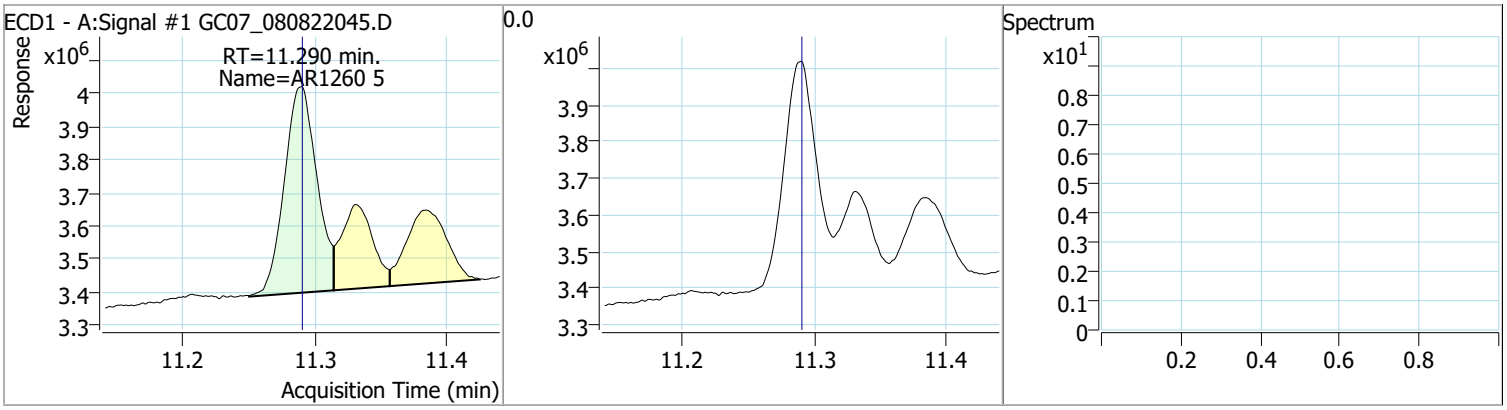
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	115.5352	10.55	0.00	516376				



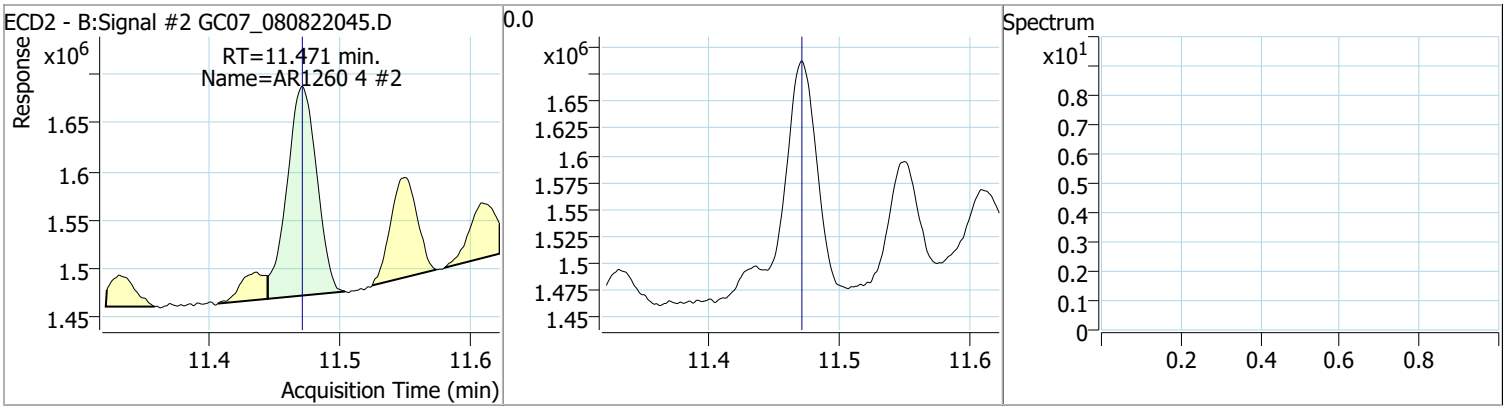
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	114.6119	11.02	0.00	686052				



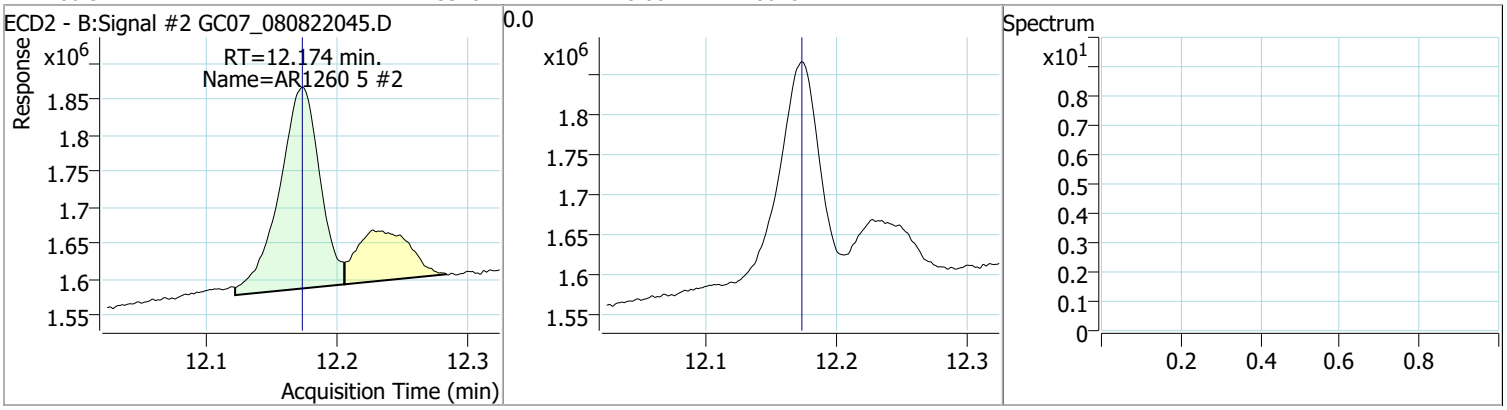
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	114.9144	11.29	0.00	1070660				



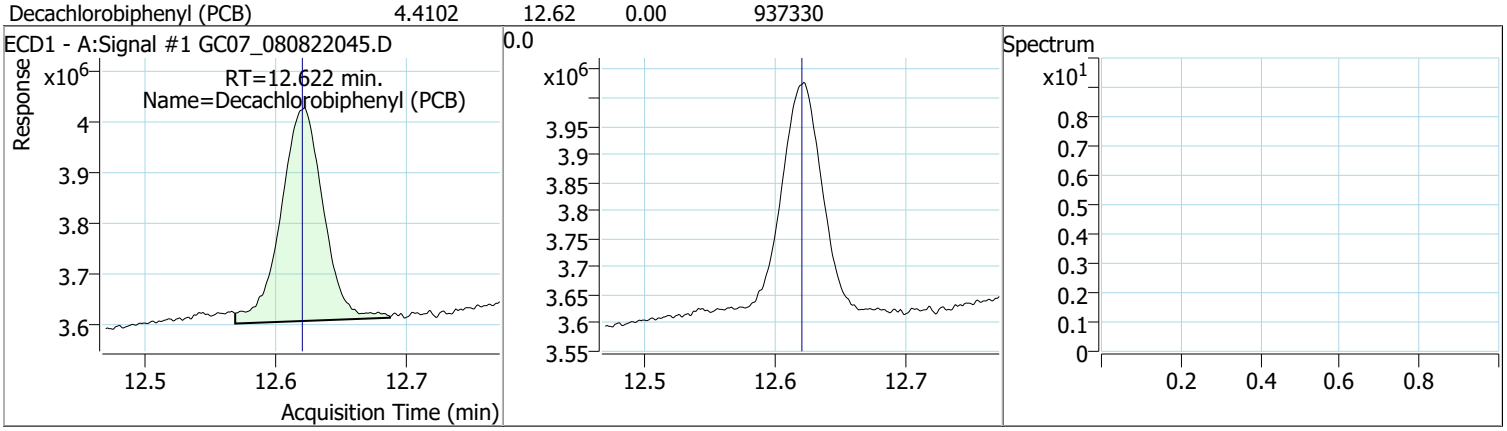
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	115.5165	11.47	0.00	339202				



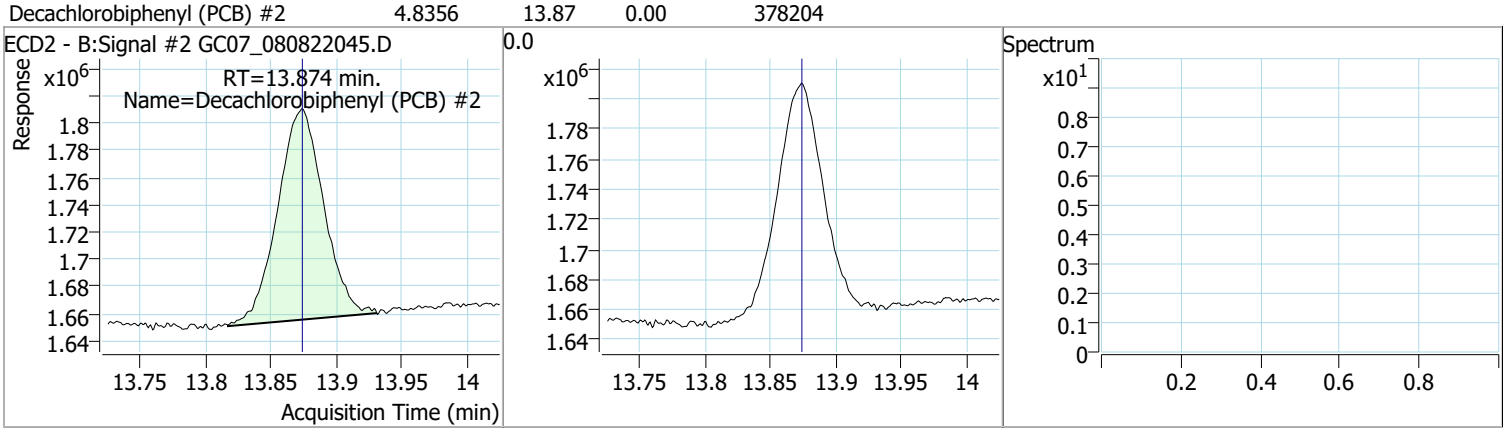
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	127.5340	12.17	0.00	604627				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	4.4102	12.62	0.00	937330				

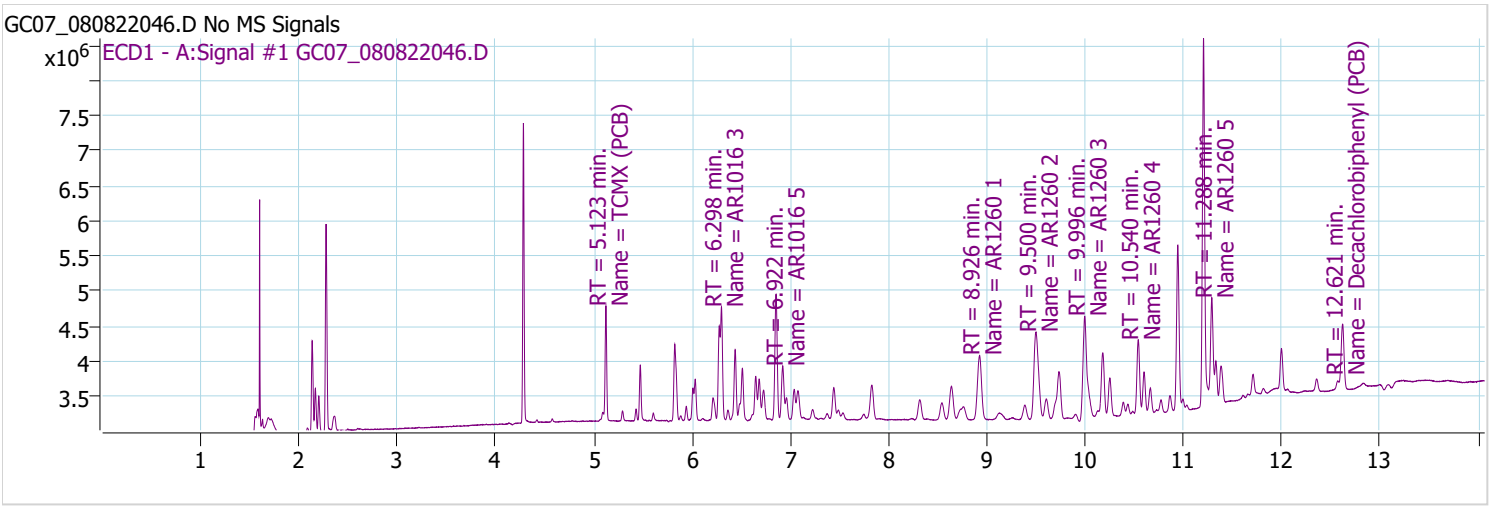


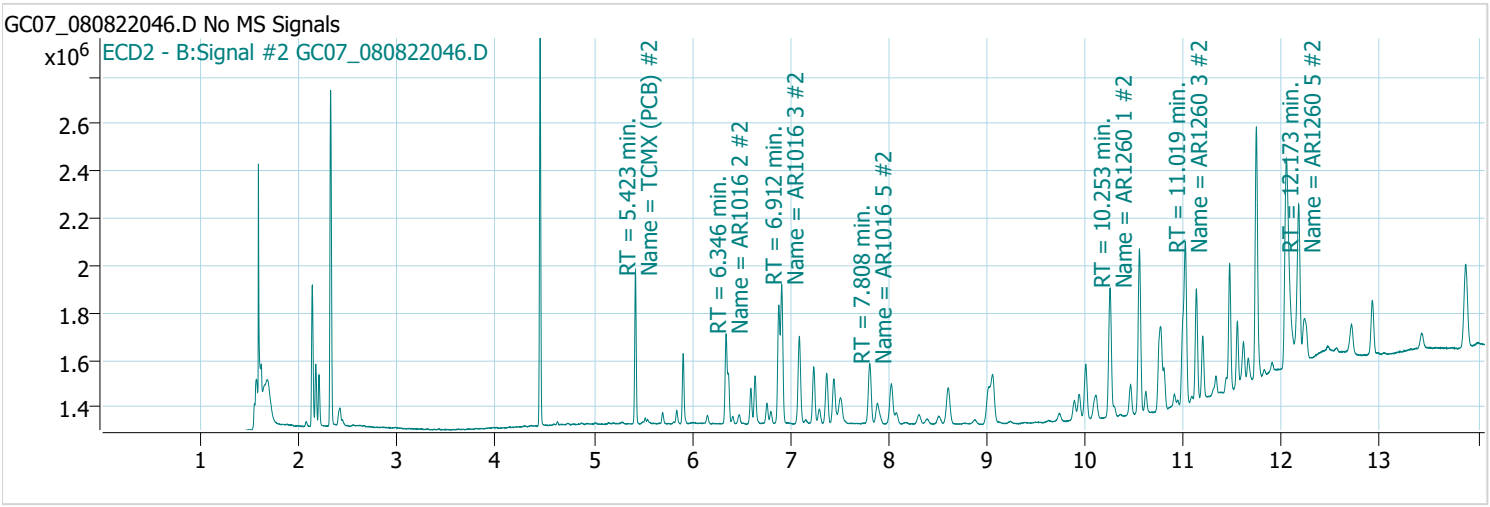
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	4.8356	13.87	0.00	378204				



Quantitation Results Report (Not Reviewed)

Data File	GC07_080822046.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	8/8/2022 11:34:07 PM
Sample Name	ICAL, S16726, 8	Instrument	SVOA-GC07
Vial	94	Multiplier	1.00
DA Method File	PCB_608_080822_GC07_1.m	Comment	250 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	080822.batch.bin	Last Calib Update	8/9/2022 3:43:56 PM
Ref Library			



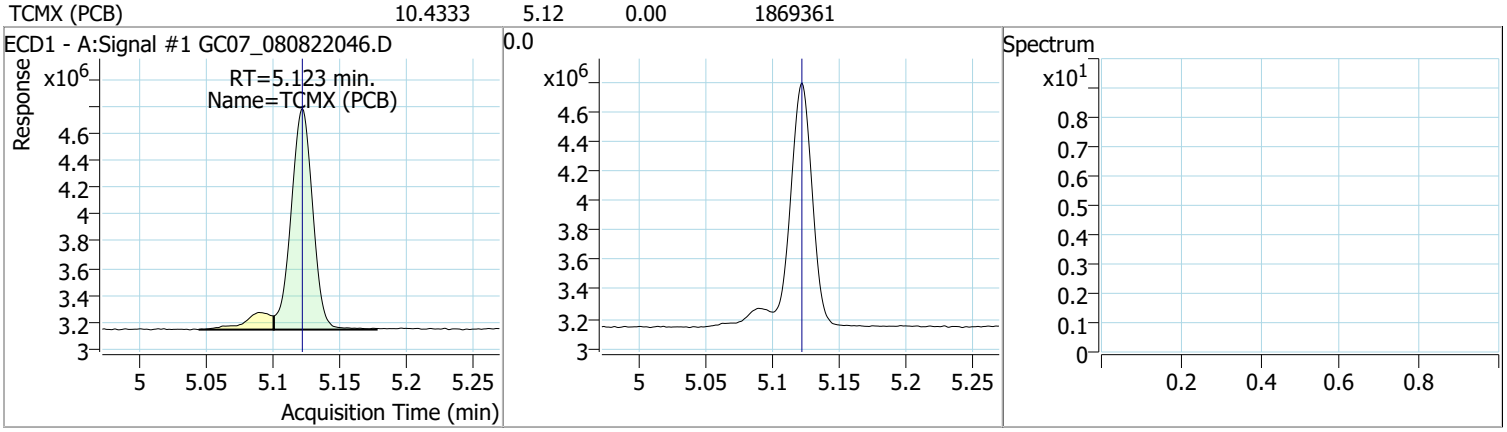


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.283	0.0	4091646.461	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.453	0.0	1482551.949	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.123	0.0	1869360.743	10.4333	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 52.17%		
S TCMX (PCB) #2	5.423	0.0	695340.169	11.0999	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 55.50%		
S Decachlorobiphenyl (PCB)	12.621	0.0	2026515.421	11.7098	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 58.55%		
S Decachlorobiphenyl (PCB) #2	13.871	0.0	858827.522	10.3235	ng/ml	-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 51.62%		
Target Compounds						QValue
T AR1016 1	5.473	0.0	992139.812	270.5656	ng/ml	100

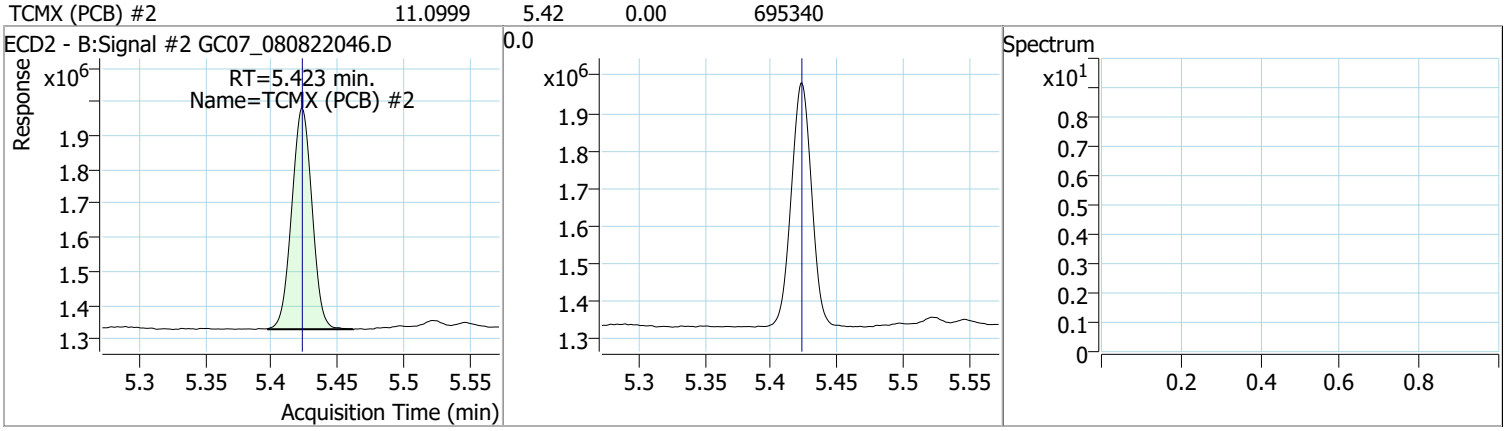
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.823	0.0	1966852.528	268.2895	ng/ml		100
T AR1016 1 #2	5.908	0.0	367600.834	276.8269	ng/ml		100
T AR1016 3	6.298	0.0	2334131.469	308.7033	ng/ml		100
T AR1016 2 #2	6.346	0.0	796338.589	279.5776	ng/ml		100
T AR1016 4	6.438	0.0	1561170.175	265.9504	ng/ml		100
T AR1016 3 #2	6.912	0.0	949382.723	274.2997	ng/ml		100
T AR1016 5	6.922	0.0	1375899.853	267.7055	ng/ml		100
T AR1016 4 #2	7.092	0.0	676510.340	269.8558	ng/ml		100
T AR1016 5 #2	7.808	0.0	530776.593	272.9844	ng/ml		100
T AR1260 1	8.926	0.0	2700441.587	264.5095	ng/ml		100
T AR1260 2	9.500	0.0	4074233.652	265.6762	ng/ml		100
T AR1260 3	9.996	0.0	4376849.225	261.0344	ng/ml	m	100
T AR1260 1 #2	10.253	0.0	1133888.809	271.5890	ng/ml		100
T AR1260 4	10.540	0.0	1985584.204	261.0186	ng/ml		100
T AR1260 2 #2	10.552	0.0	1268724.397	266.8756	ng/ml		100
T AR1260 3 #2	11.019	0.0	1696354.969	266.4298	ng/ml		100
T AR1260 5	11.288	0.0	2996089.012	299.1363	ng/ml		100
T AR1260 4 #2	11.470	0.0	893587.267	286.0988	ng/ml		100
T AR1260 5 #2	12.173	0.0	1205845.418	239.1241	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

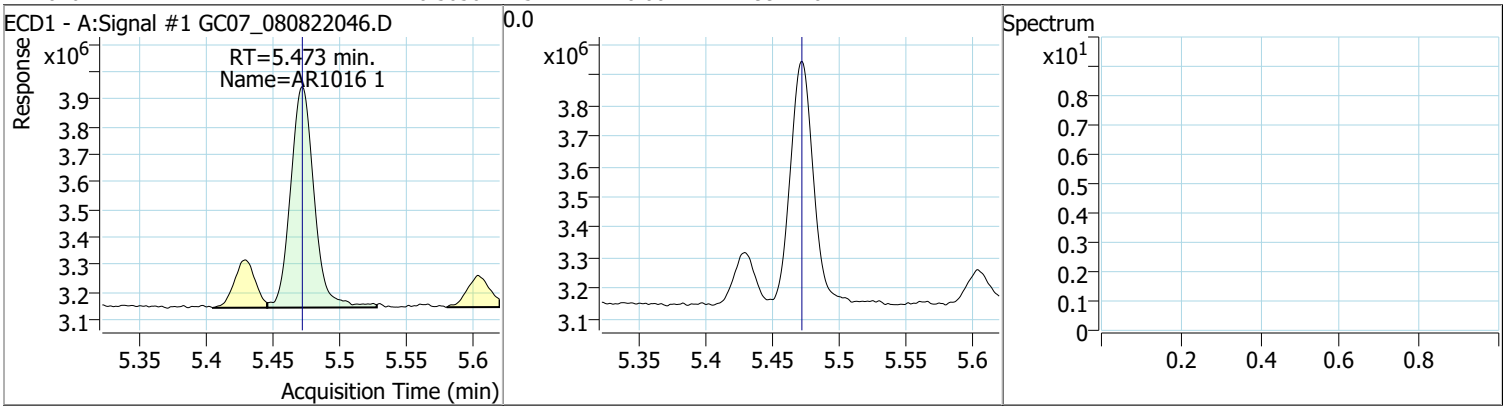
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	10.4333	5.12	0.00	1869361				



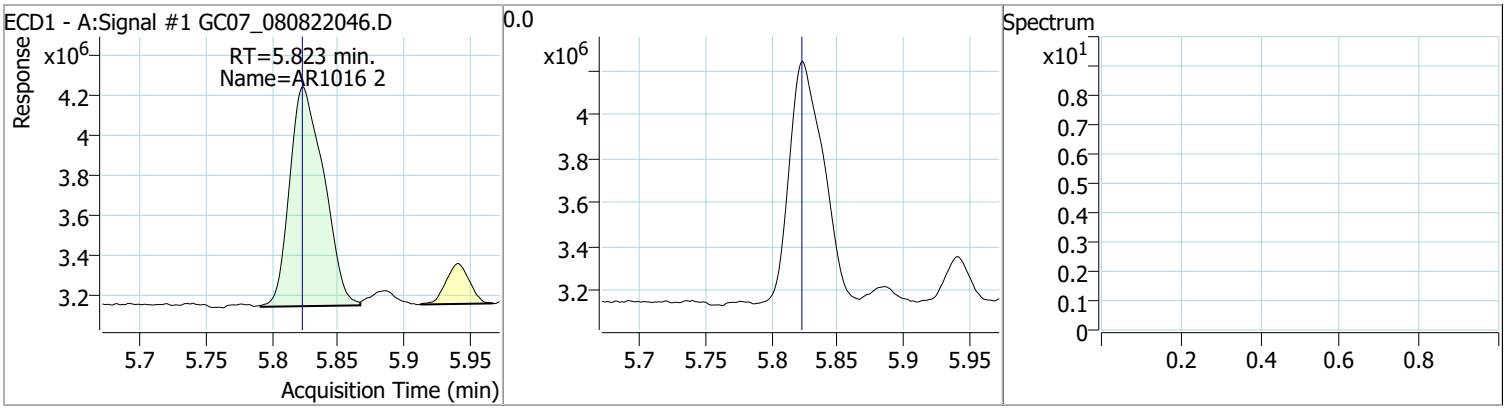
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	11.0999	5.42	0.00	695340				



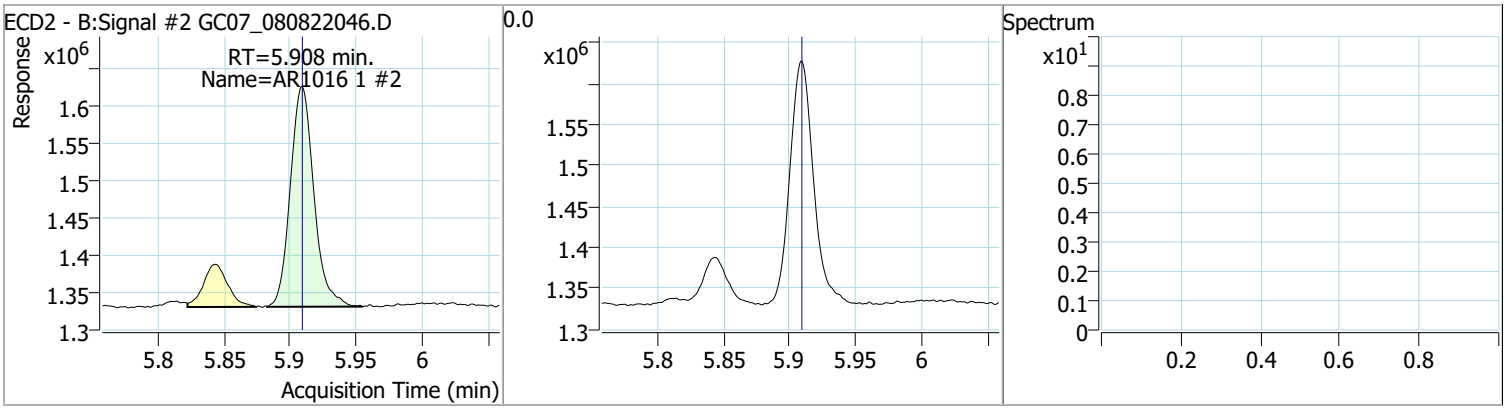
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	270.5656	5.47	0.00	992140				



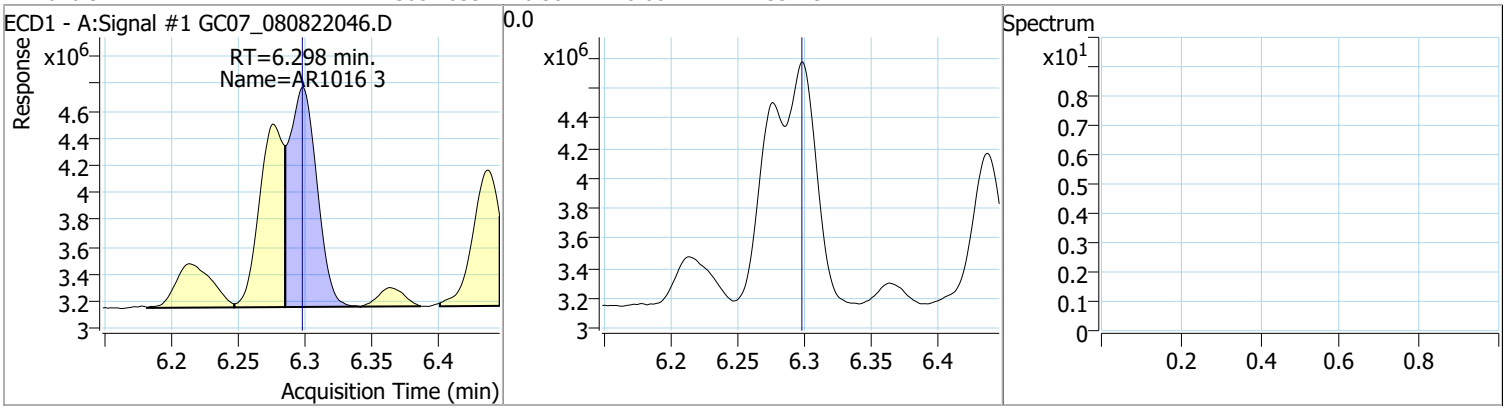
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	268.2895	5.82	0.00	1966853				



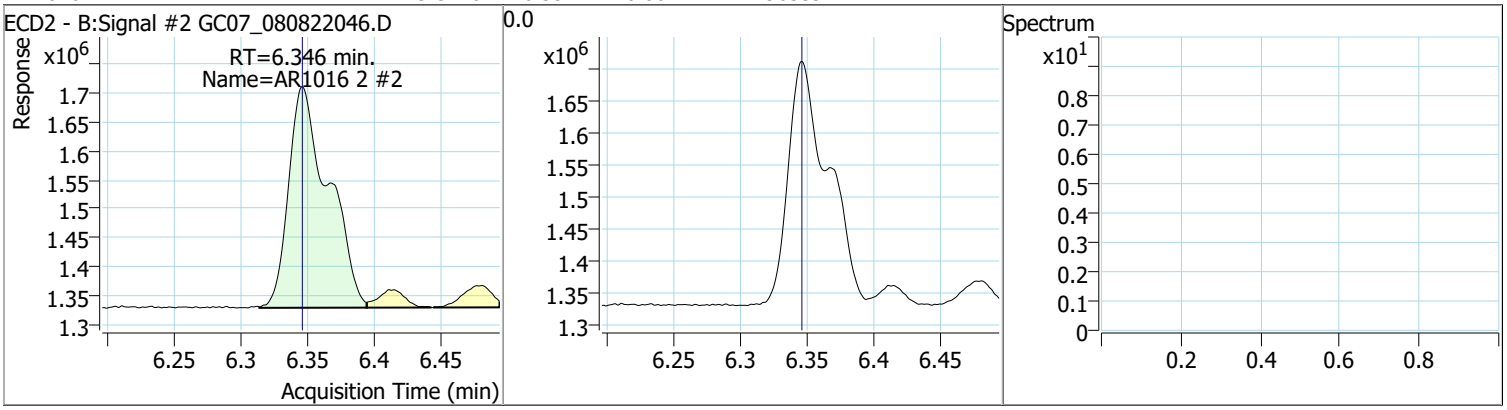
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	276.8269	5.91	0.00	367601				



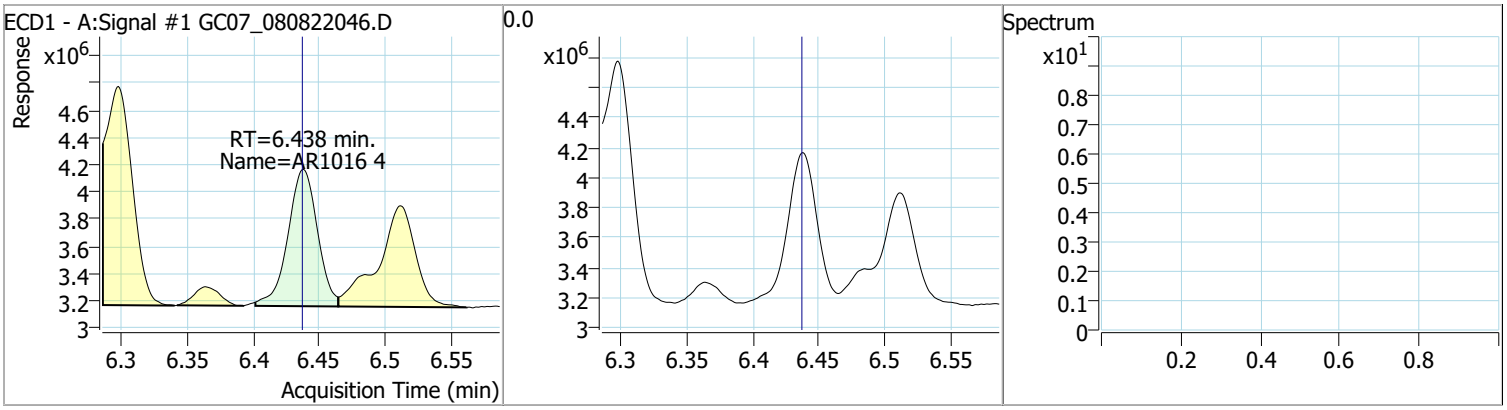
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	308.7033	6.30	0.00	2334131				



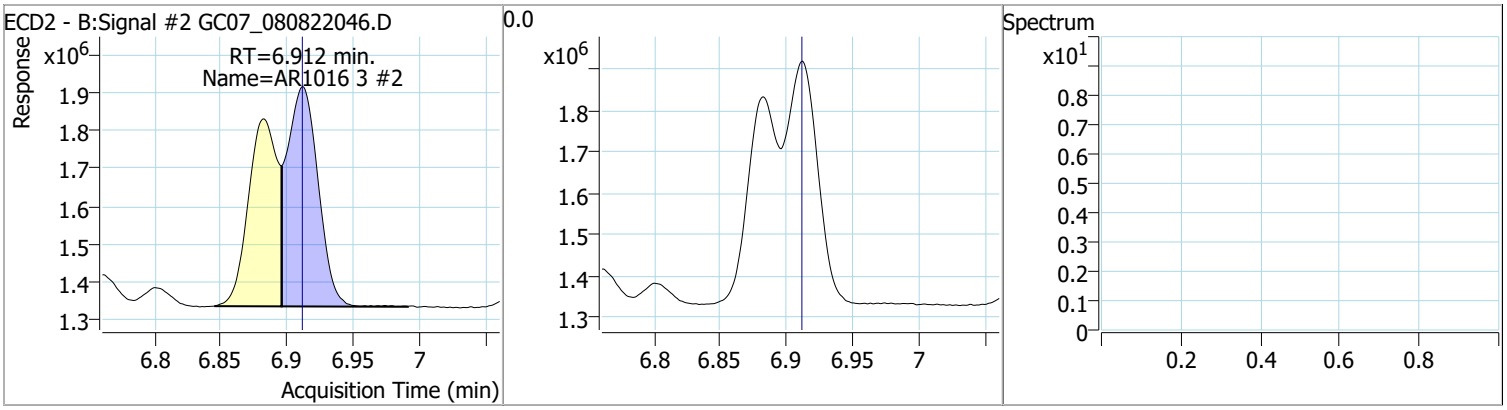
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	279.5776	6.35	0.00	796339				



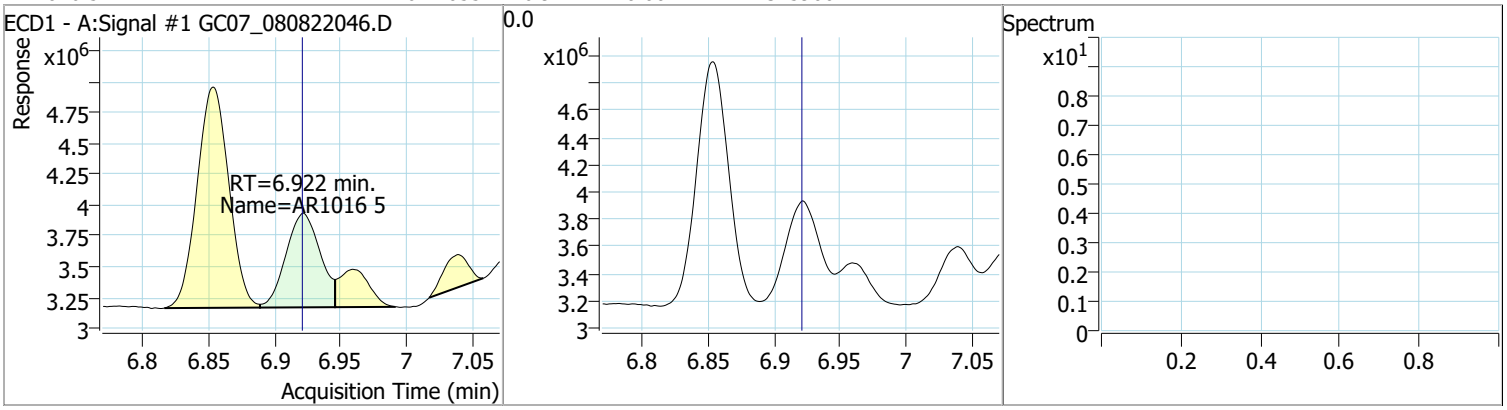
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	265.9504	6.44	0.00	1561170				



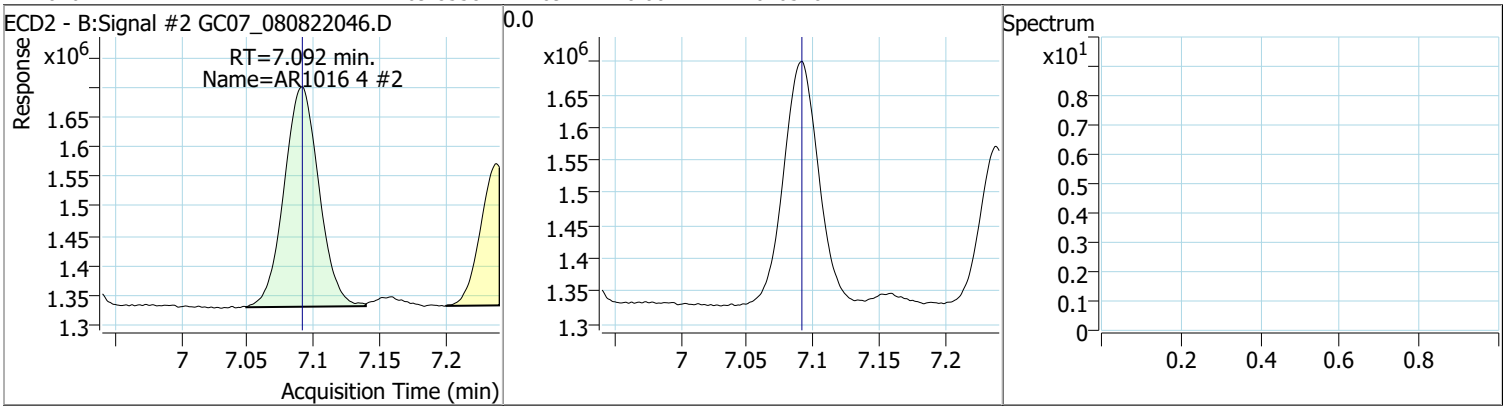
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	274.2997	6.91	0.00	949383				



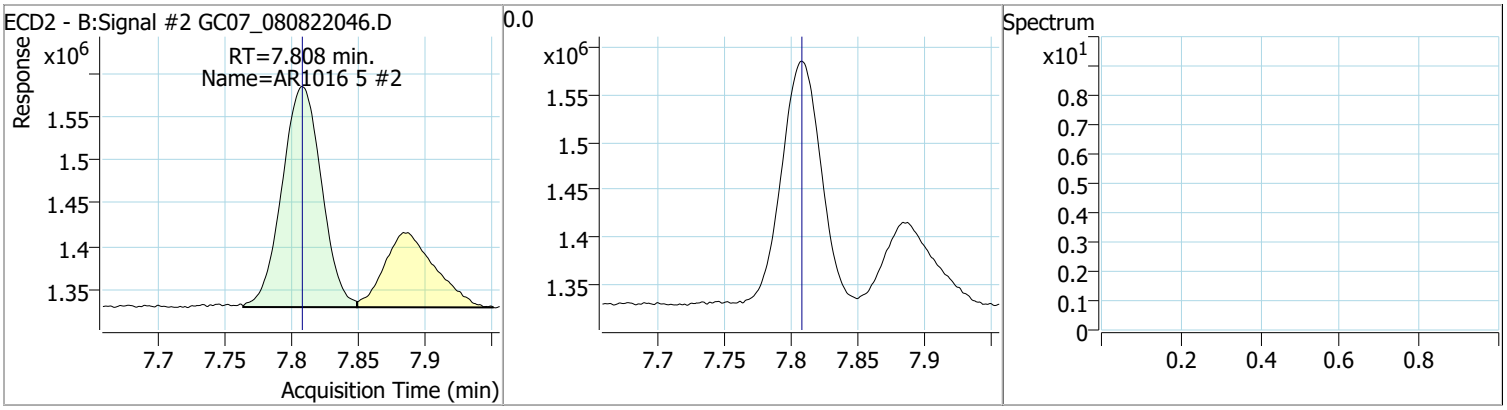
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	267.7055	6.92	0.00	1375900				



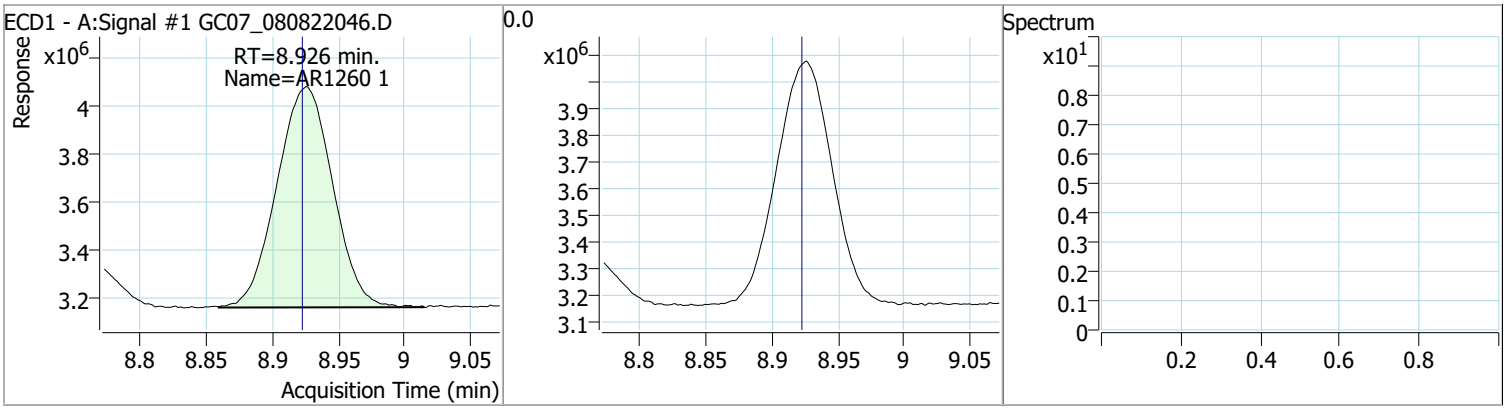
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	269.8558	7.09	0.00	676510				



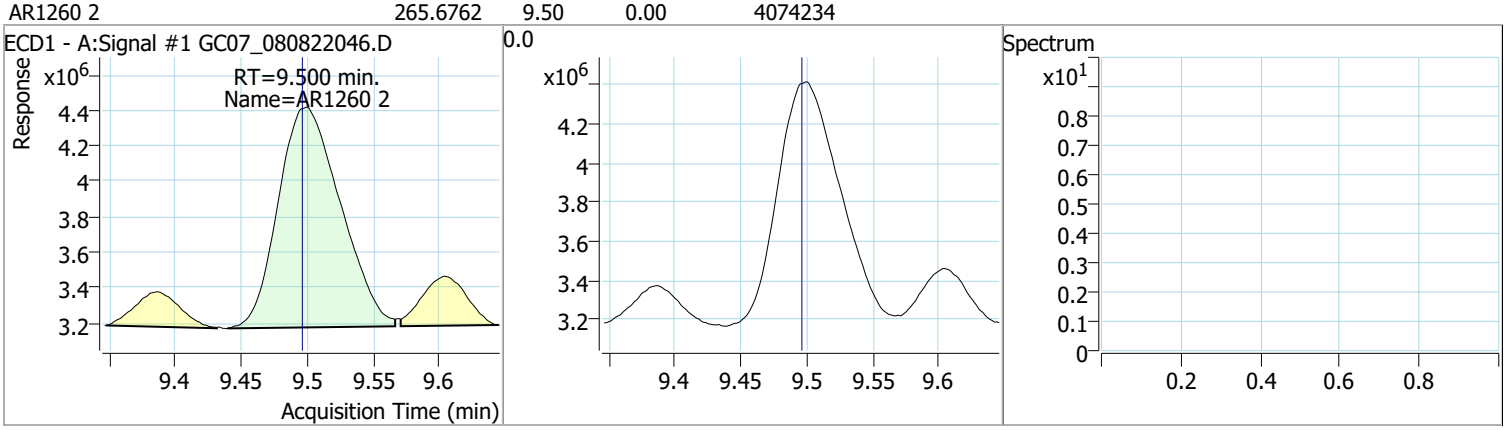
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	272.9844	7.81	0.00	530777				



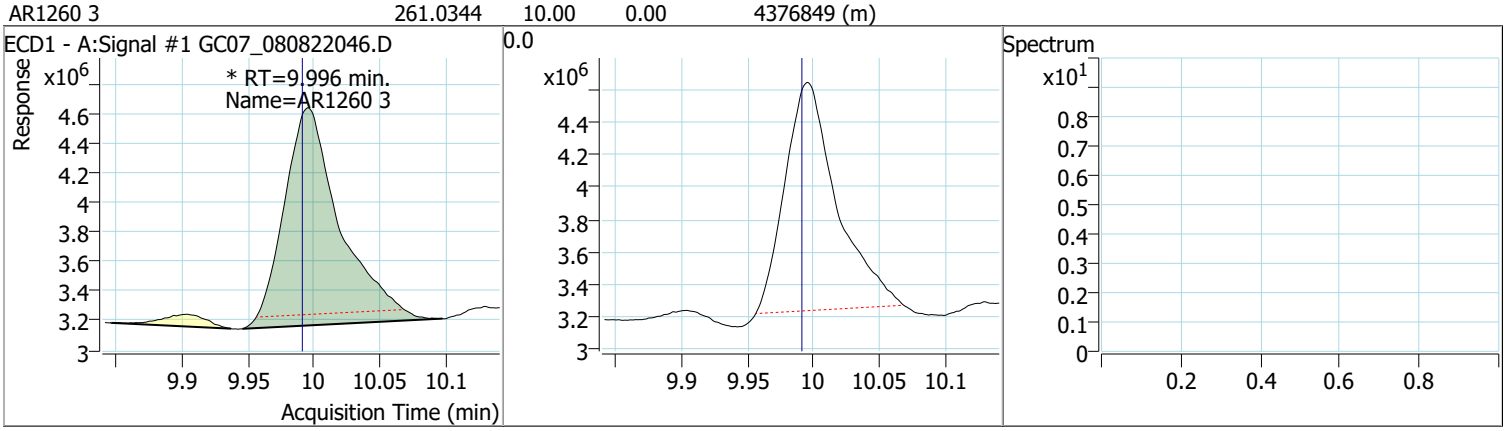
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	264.5095	8.93	0.00	2700442				



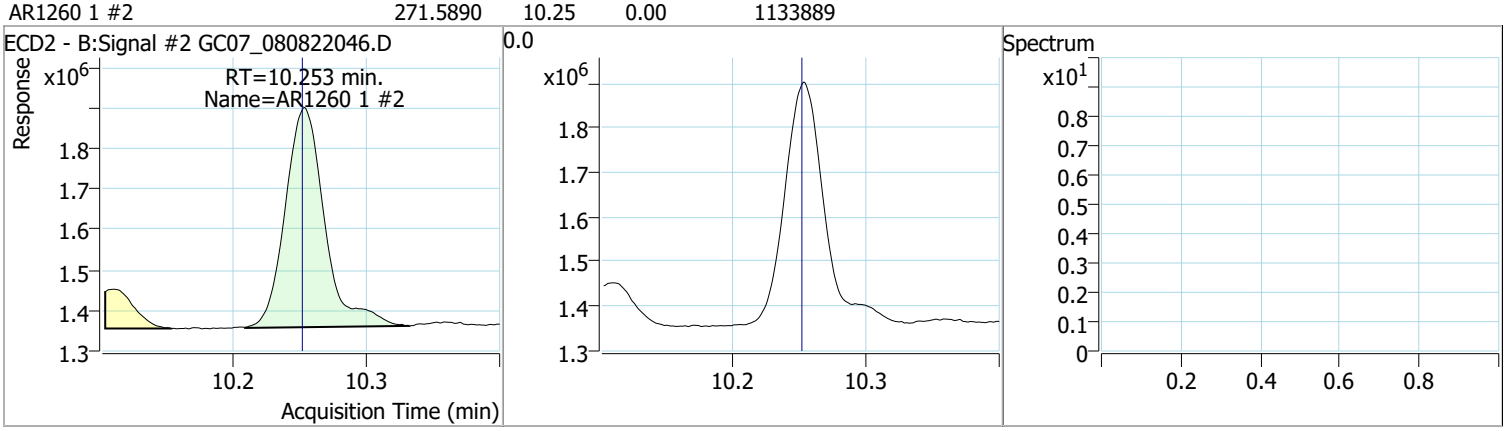
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	265.6762	9.50	0.00	4074234				



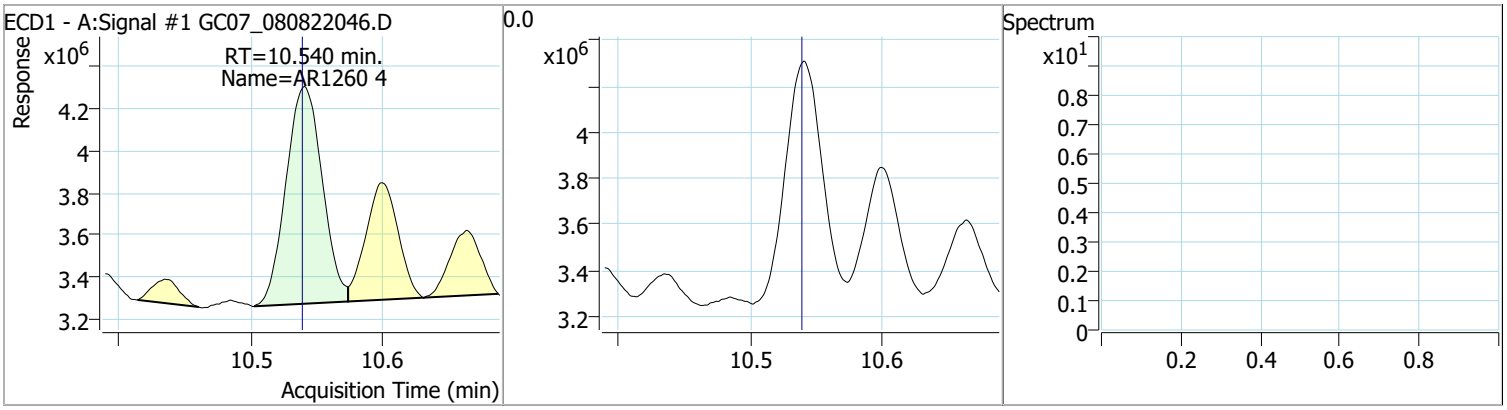
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	261.0344	10.00	0.00	4376849 (m)				



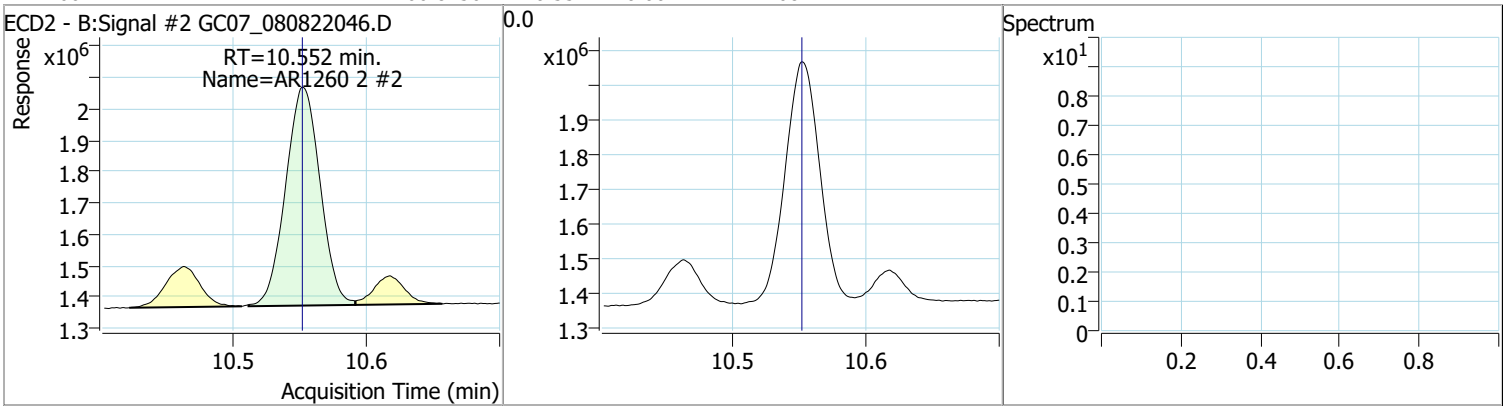
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	271.5890	10.25	0.00	1133889				



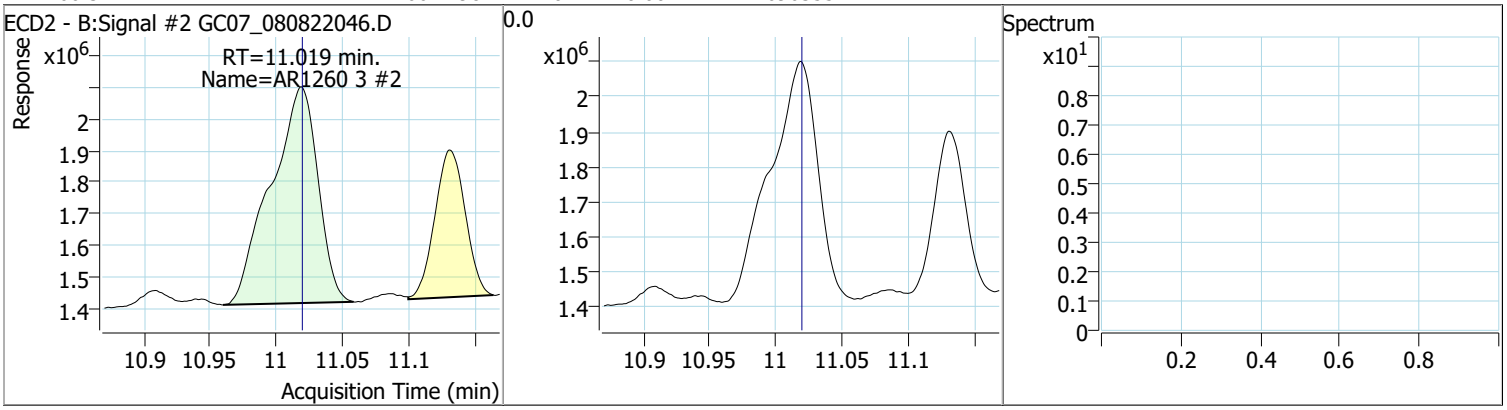
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	261.0186	10.54	0.00	1985584				



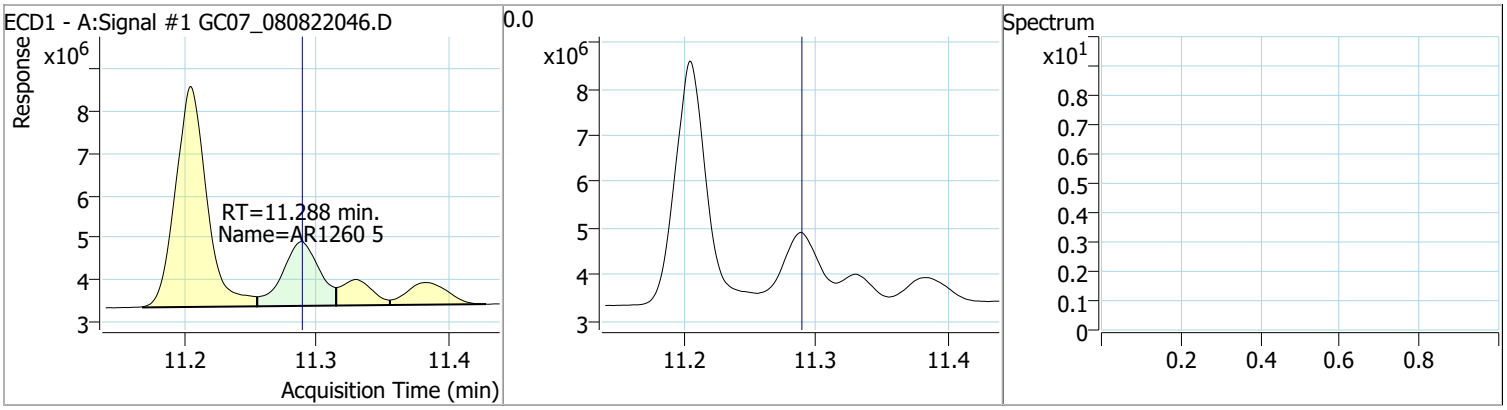
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	266.8756	10.55	0.00	1268724				



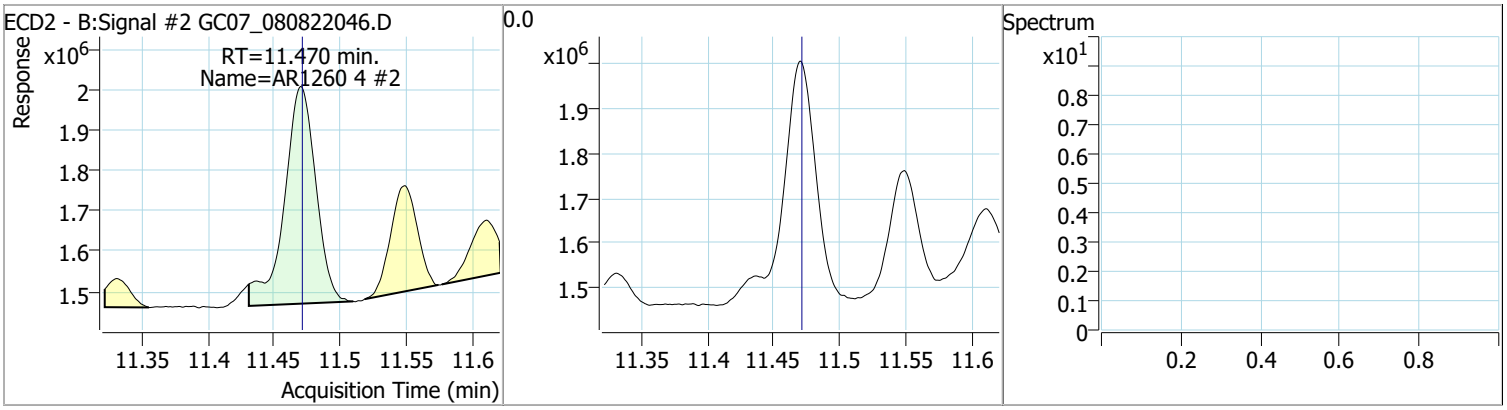
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	266.4298	11.02	0.00	1696355				



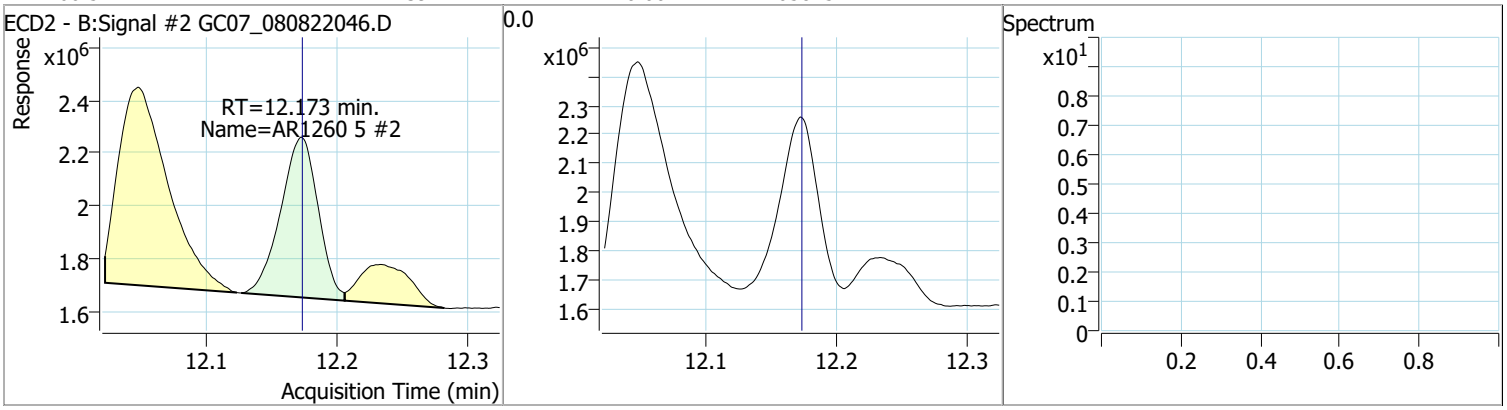
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	299.1363	11.29	0.00	2996089				



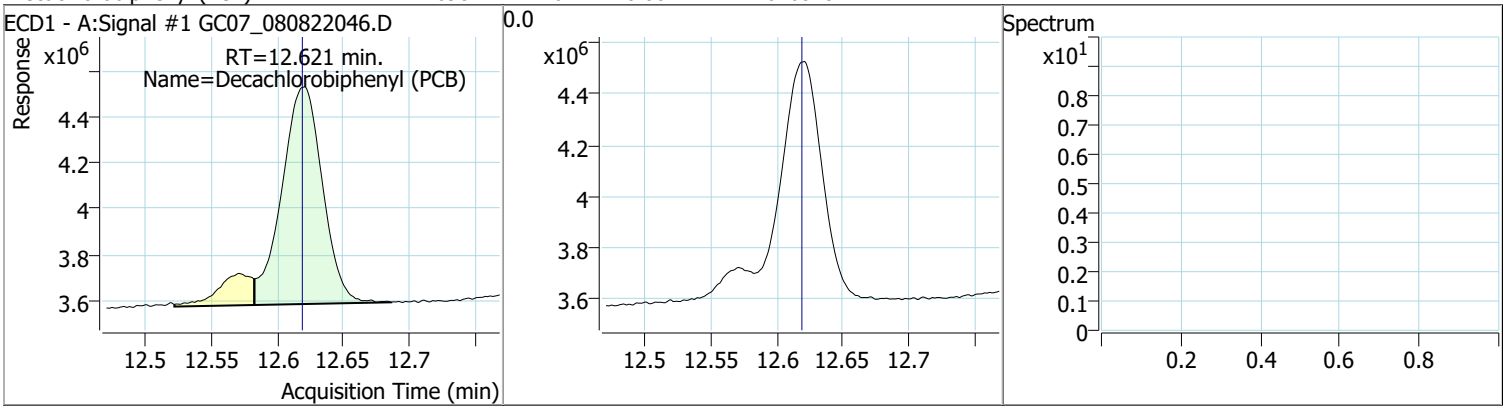
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	286.0988	11.47	0.00	893587				



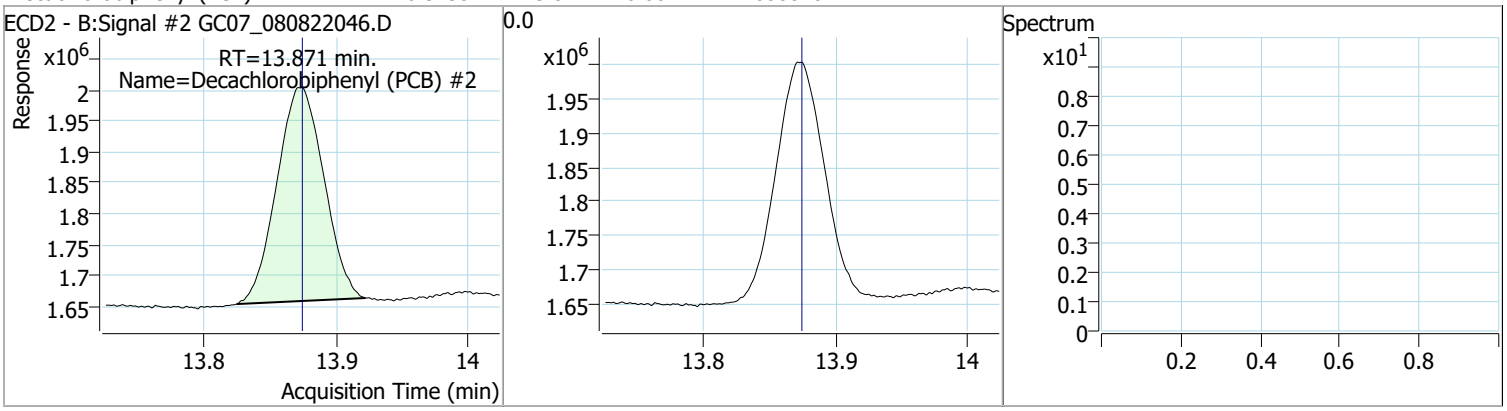
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	239.1241	12.17	0.00	1205845				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	11.7098	12.62	0.00	2026515				

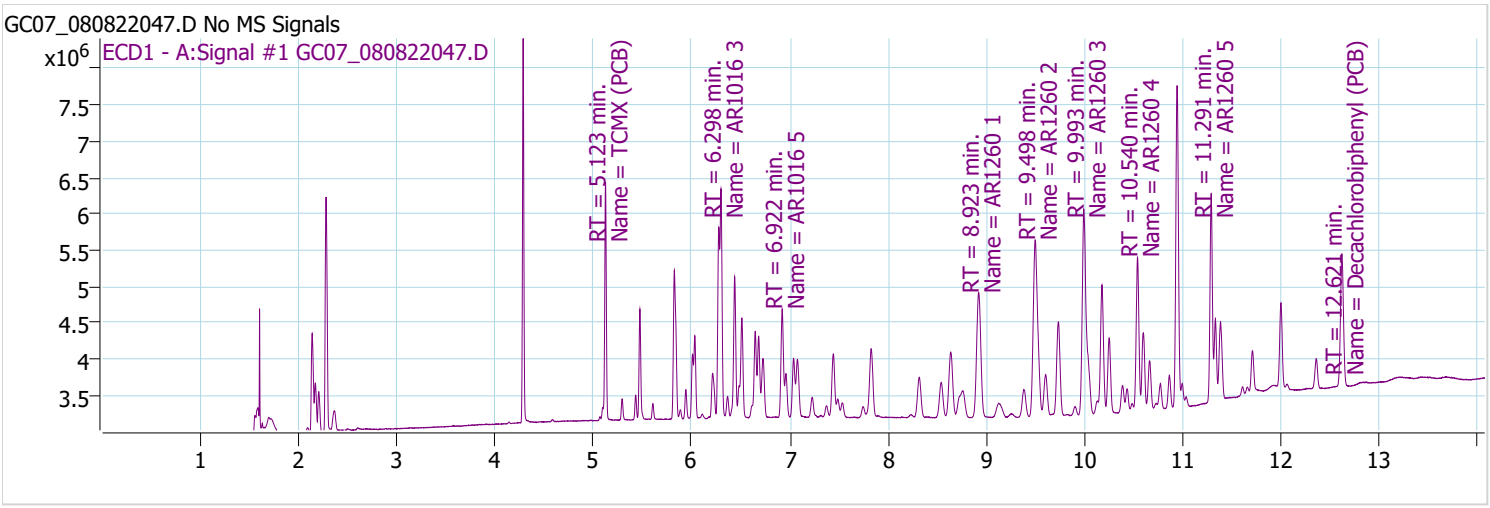


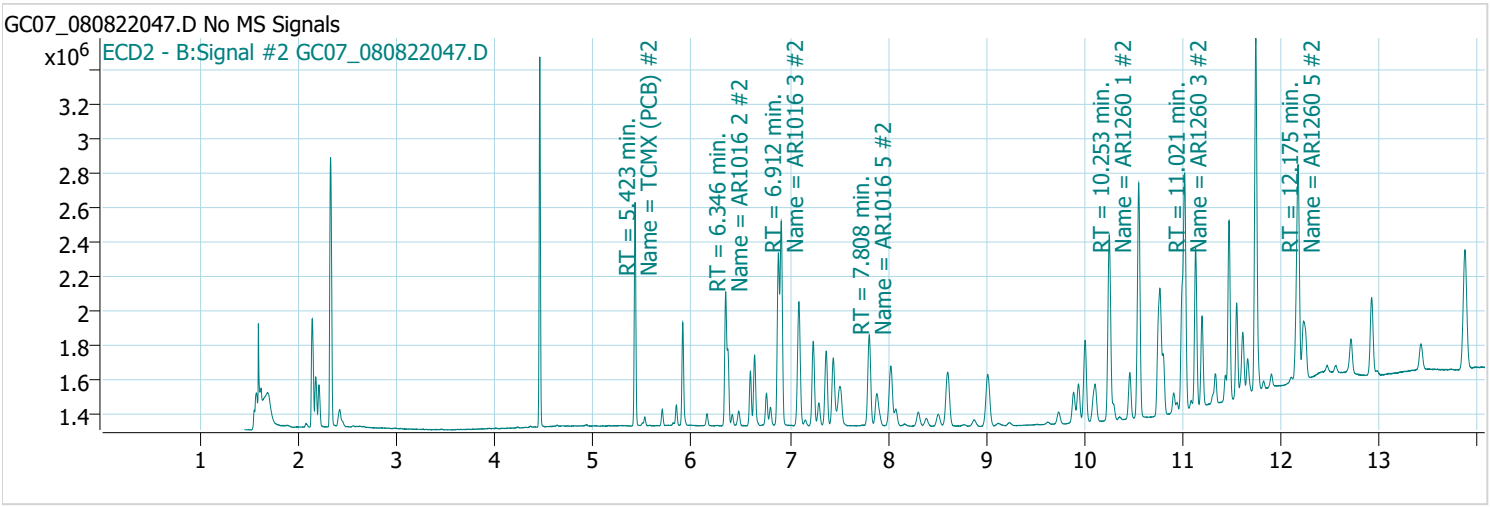
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	10.3235	13.87	0.00	858828				



Quantitation Results Report (Not Reviewed)

Data File	GC07_080822047.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	8/8/2022 11:51:38 PM
Sample Name	ICAL, S16726, 4	Instrument	SVOA-GC07
Vial	95	Multiplier	1.00
DA Method File	PCB_608_080822_GC07_1.m	Comment	500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	080822.batch.bin	Last Calib Update	8/9/2022 3:43:56 PM
Ref Library			



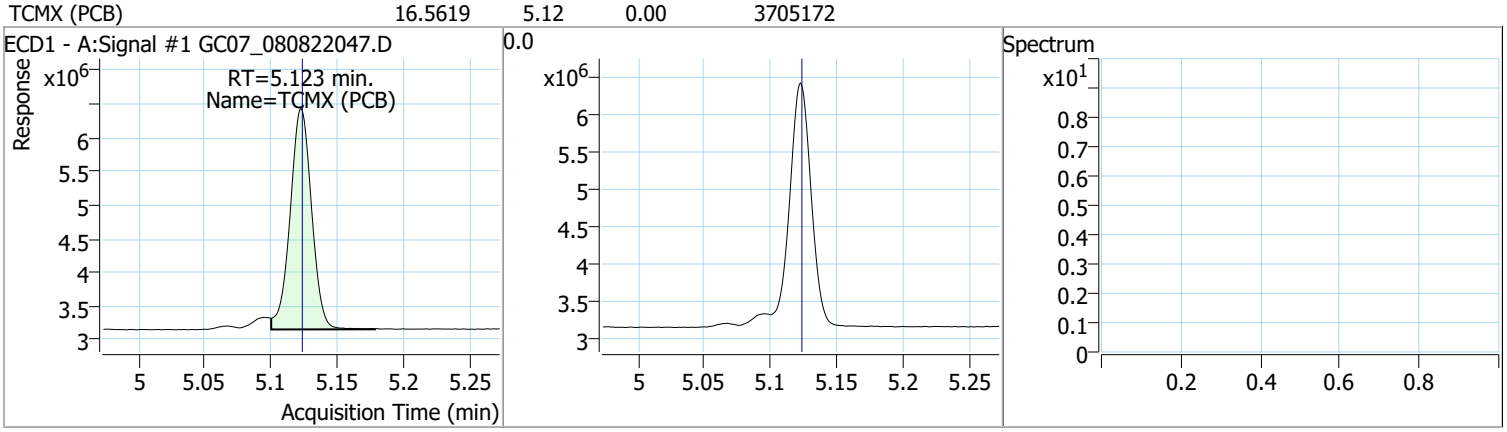


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.284	0.0	5108885.750	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.453	0.0	1912032.244	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.123	0.0	3705171.954	16.5619	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 82.81%		
S TCMX (PCB) #2	5.423	0.0	1436252.235	17.7773	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 88.89%		
S Decachlorobiphenyl (PCB)	12.621	0.0	3900610.880	19.5722	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 97.86%		
S Decachlorobiphenyl (PCB) #2	13.876	0.0	1801153.417	16.7874	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 83.94%		
Target Compounds						QValue

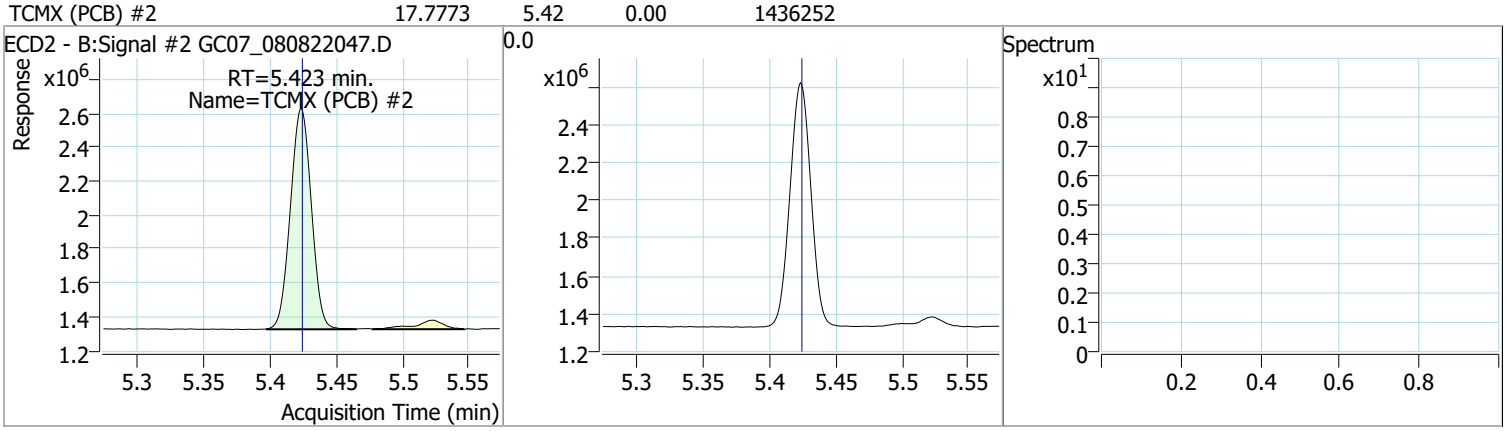
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.473	0.0	1898080.587	414.5589	ng/ml	100
T AR1016 2	5.823	0.0	3775506.990	412.4574	ng/ml	100
T AR1016 1 #2	5.909	0.0	765389.447	446.9191	ng/ml	100
T AR1016 3	6.298	0.0	4583006.940	492.3433	ng/ml	100
T AR1016 2 #2	6.346	0.0	1619680.343	440.9086	ng/ml	100
T AR1016 4	6.438	0.0	2985802.558	407.3648	ng/ml	100
T AR1016 3 #2	6.912	0.0	1944341.966	435.5834	ng/ml	100
T AR1016 5	6.922	0.0	2601081.481	405.3184	ng/ml	100
T AR1016 4 #2	7.092	0.0	1414025.607	437.3502	ng/ml	100
T AR1016 5 #2	7.808	0.0	1100629.047	438.9163	ng/ml	100
T AR1260 1	8.923	0.0	5156513.228	404.5149	ng/ml	100
T AR1260 2	9.498	0.0	7751359.974	404.8149	ng/ml	100
T AR1260 3	9.993	0.0	8442477.637	403.2533	ng/ml	100
T AR1260 1 #2	10.253	0.0	2297222.326	426.6380	ng/ml	100
T AR1260 4	10.540	0.0	3836016.651	403.8643	ng/ml	100
T AR1260 2 #2	10.553	0.0	2542472.036	414.6794	ng/ml	100
T AR1260 3 #2	11.021	0.0	3415508.498	415.9452	ng/ml	100
T AR1260 5	11.291	0.0	4821994.342	385.5787	ng/ml	100
T AR1260 4 #2	11.473	0.0	1692756.730	420.2312	ng/ml	100
T AR1260 5 #2	12.175	0.0	2692069.502	413.9354	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

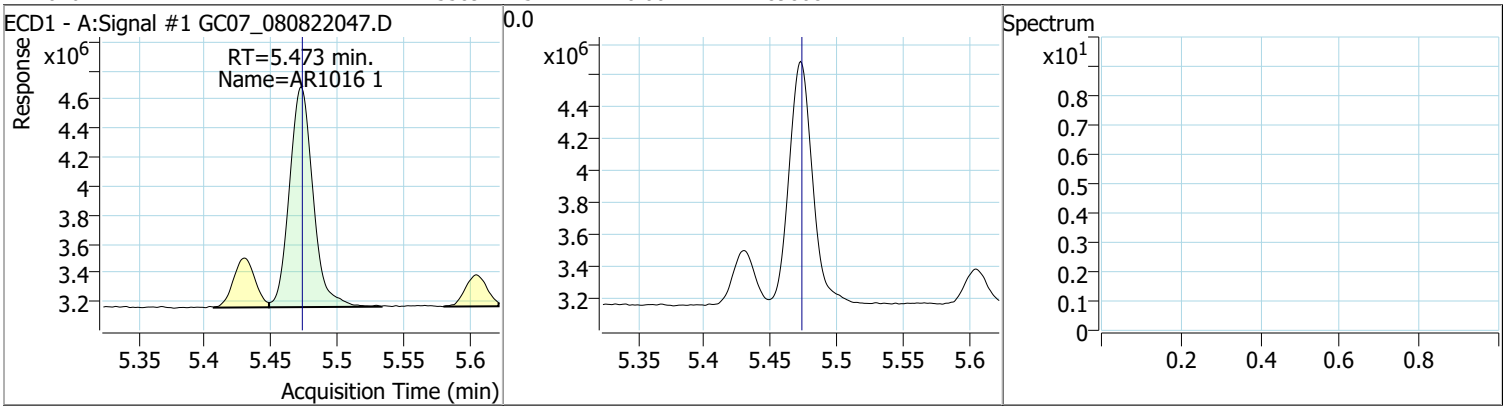
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	16.5619	5.12	0.00	3705172				



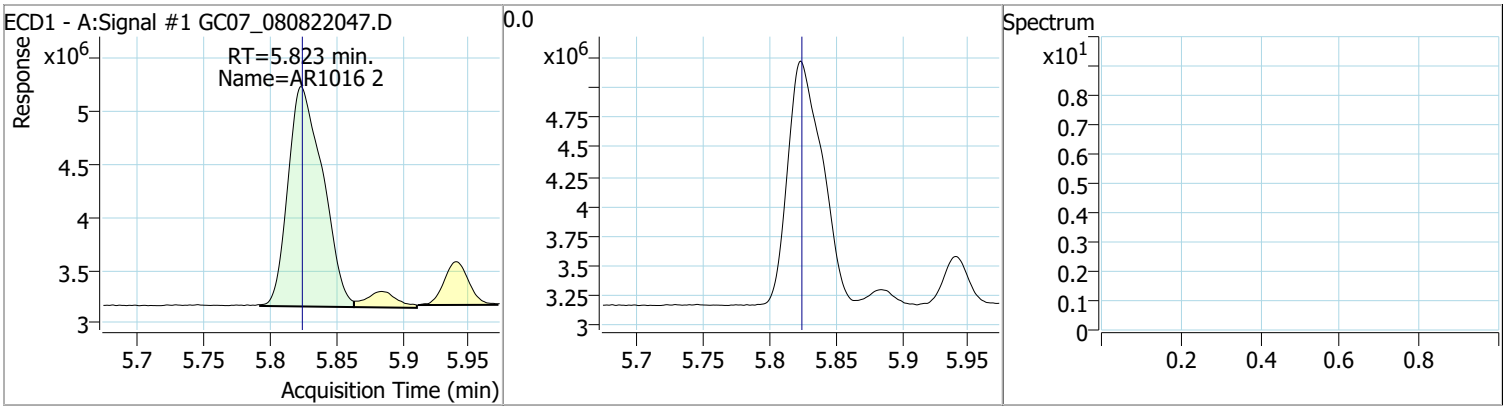
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	17.7773	5.42	0.00	1436252				



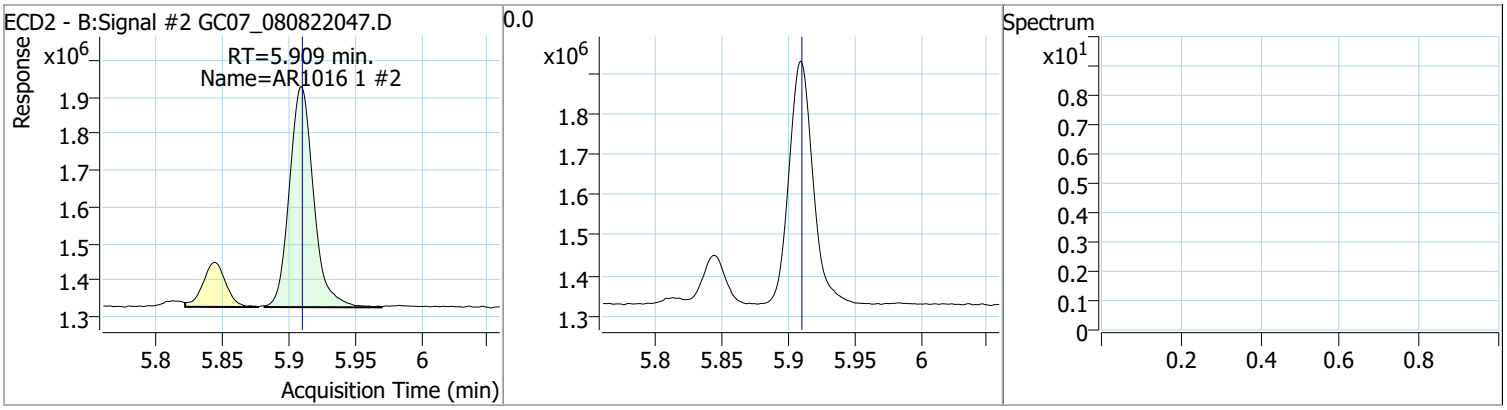
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	414.5589	5.47	0.00	1898081				



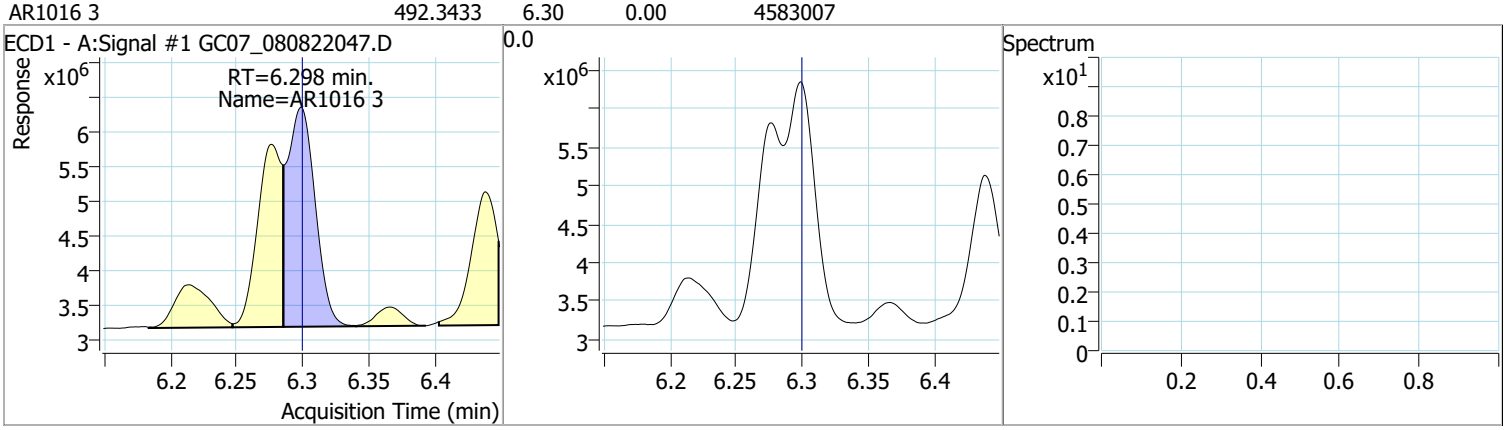
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	412.4574	5.82	0.00	3775507				



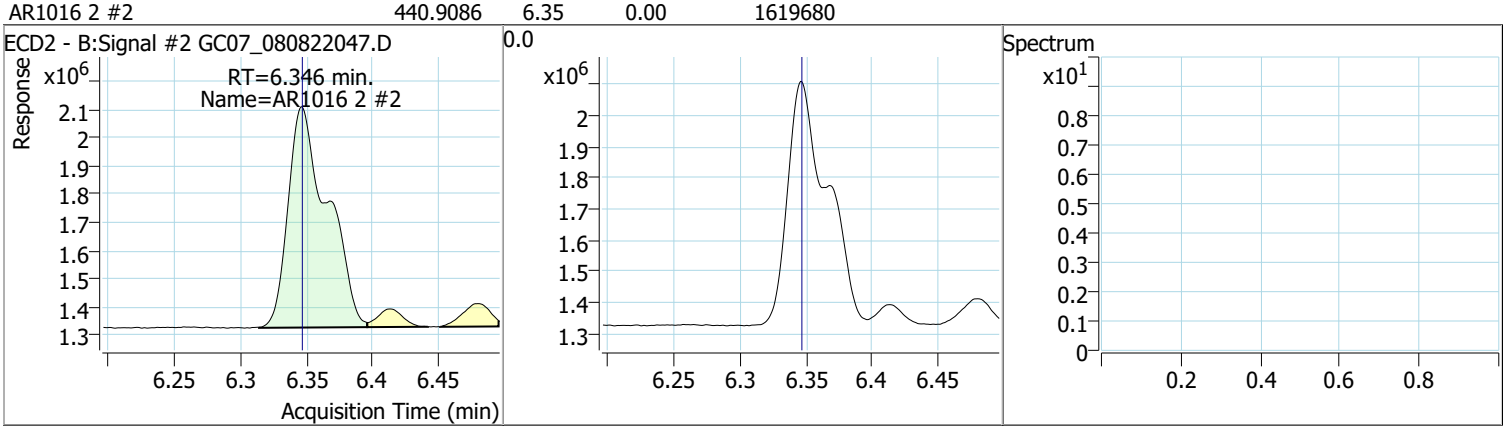
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	446.9191	5.91	0.00	765389				



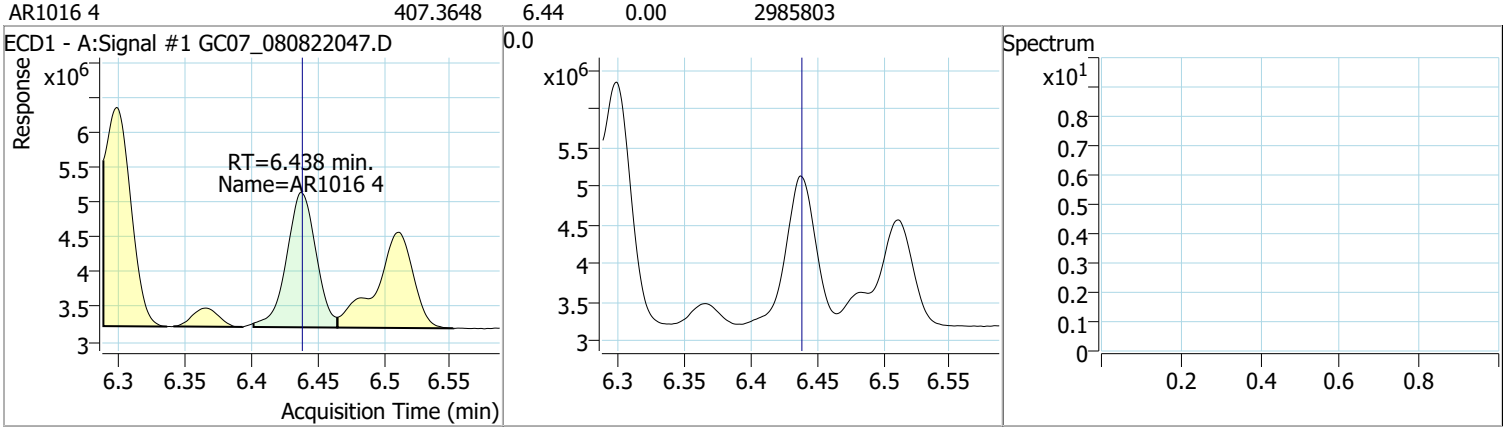
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	492.3433	6.30	0.00	4583007				



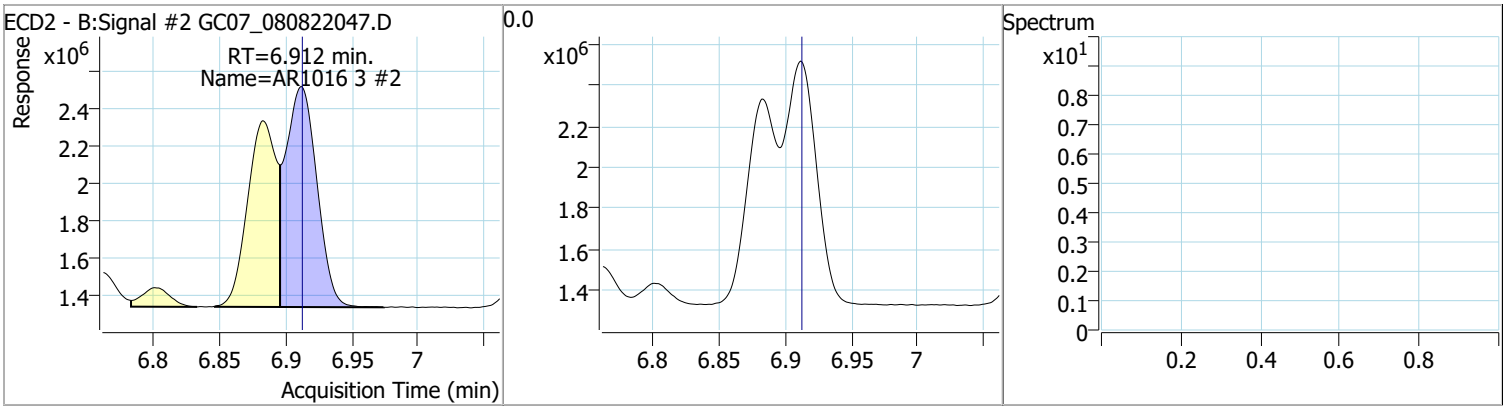
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	440.9086	6.35	0.00	1619680				



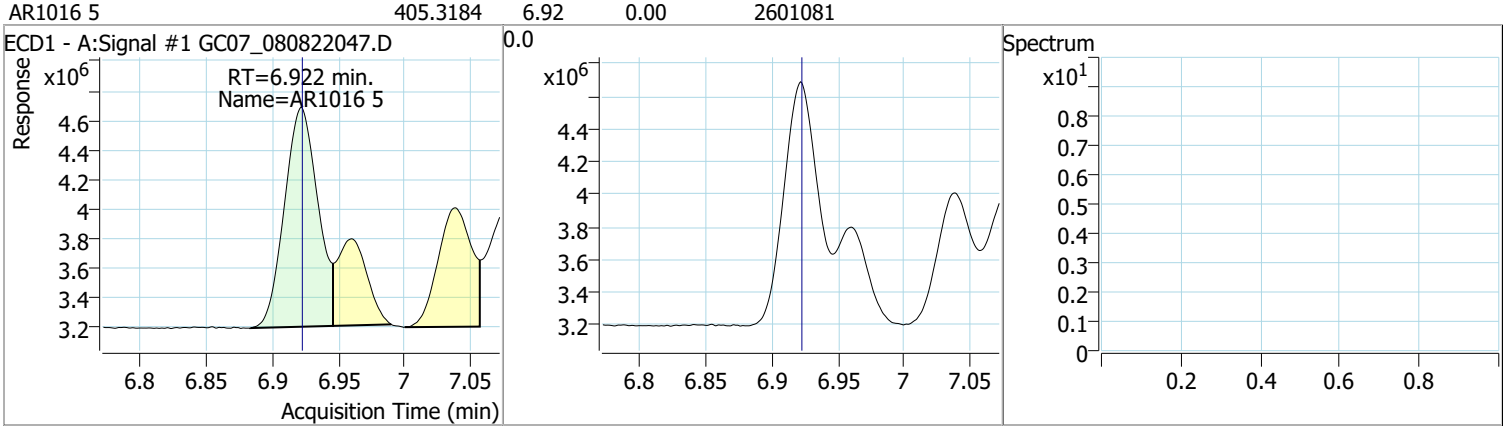
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	407.3648	6.44	0.00	2985803				



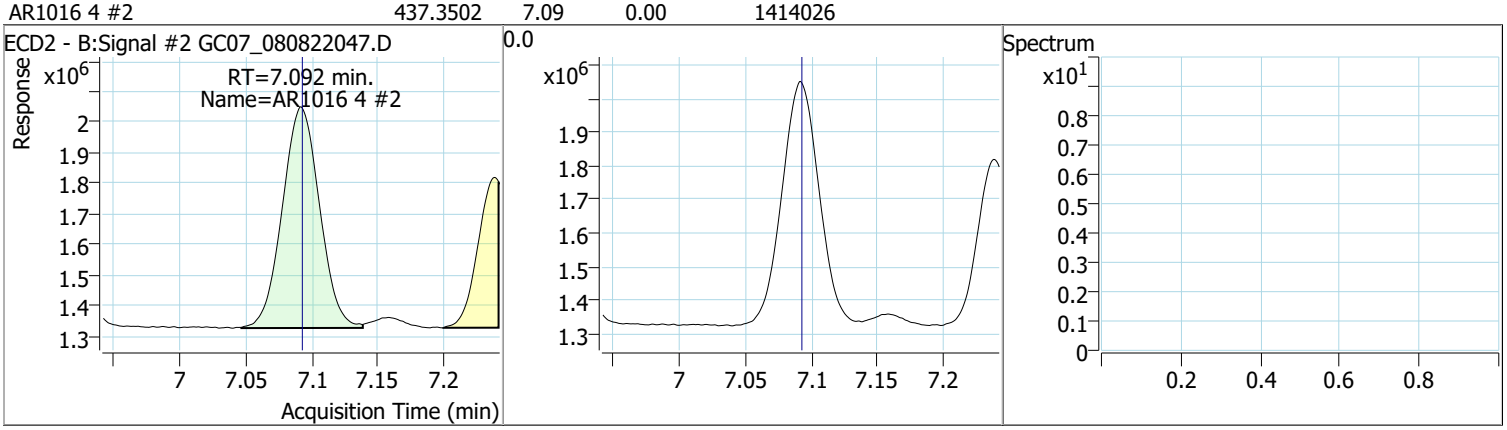
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	435.5834	6.91	0.00	1944342				



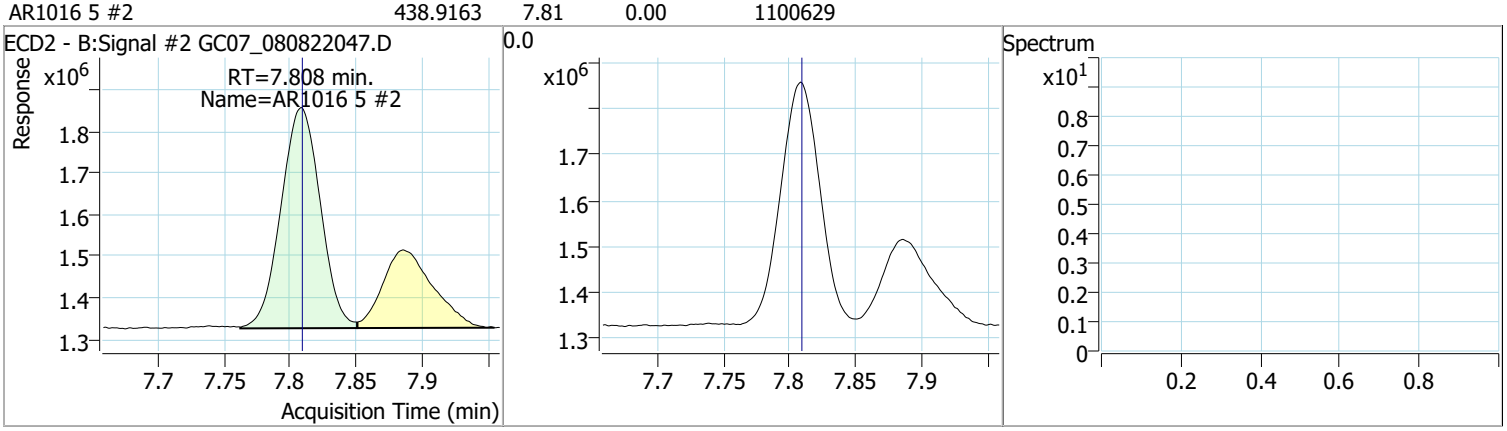
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	405.3184	6.92	0.00	2601081				



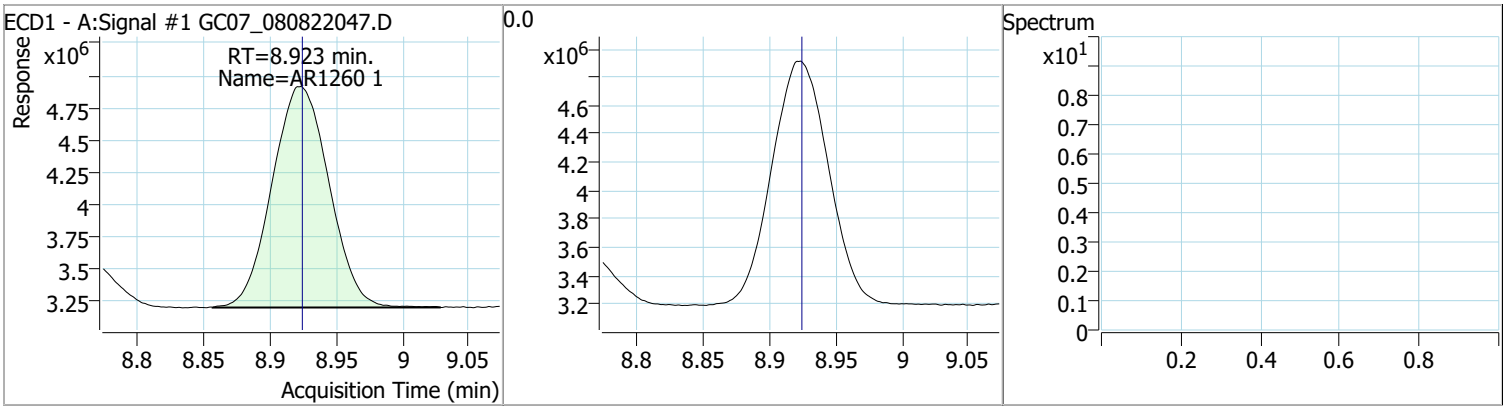
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	437.3502	7.09	0.00	1414026				



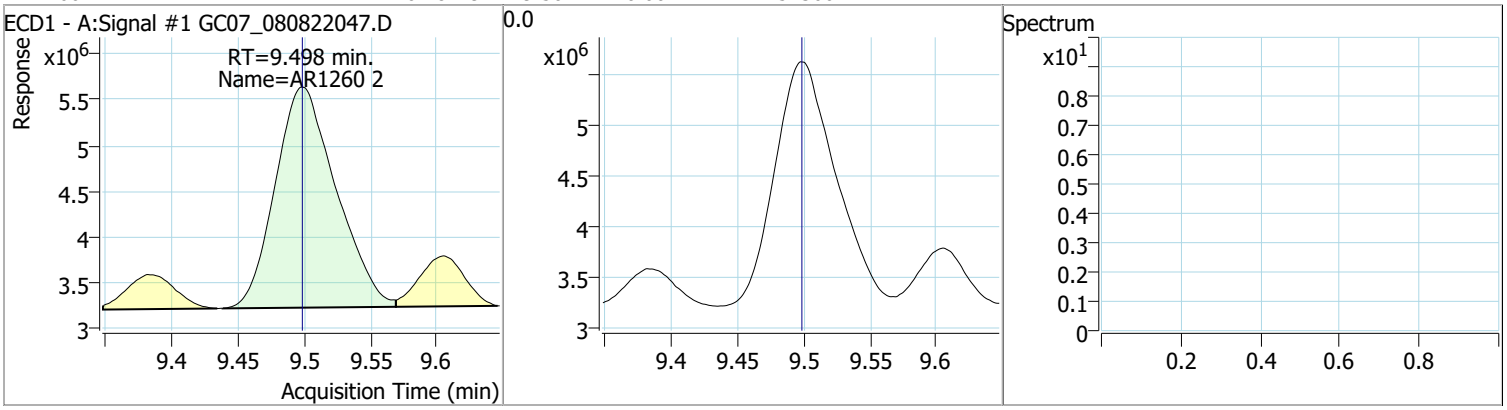
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	438.9163	7.81	0.00	1100629				



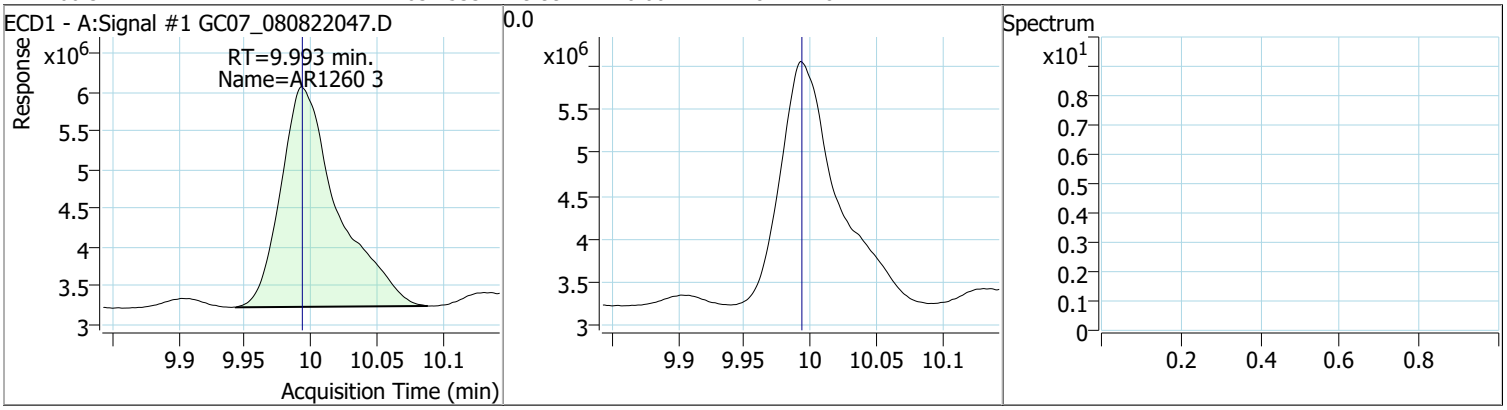
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	404.5149	8.92	0.00	5156513				



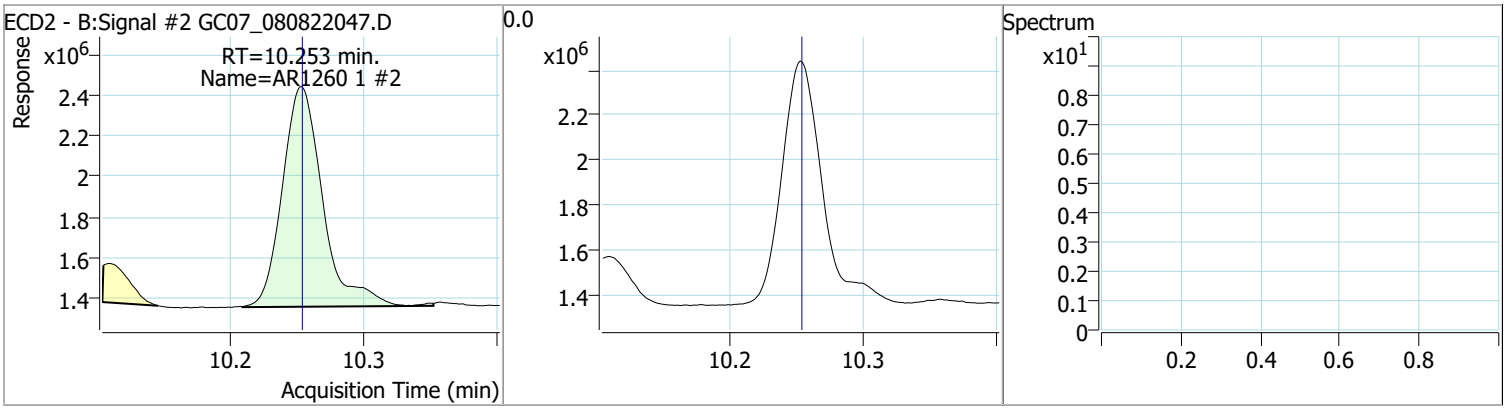
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	404.8149	9.50	0.00	7751360				



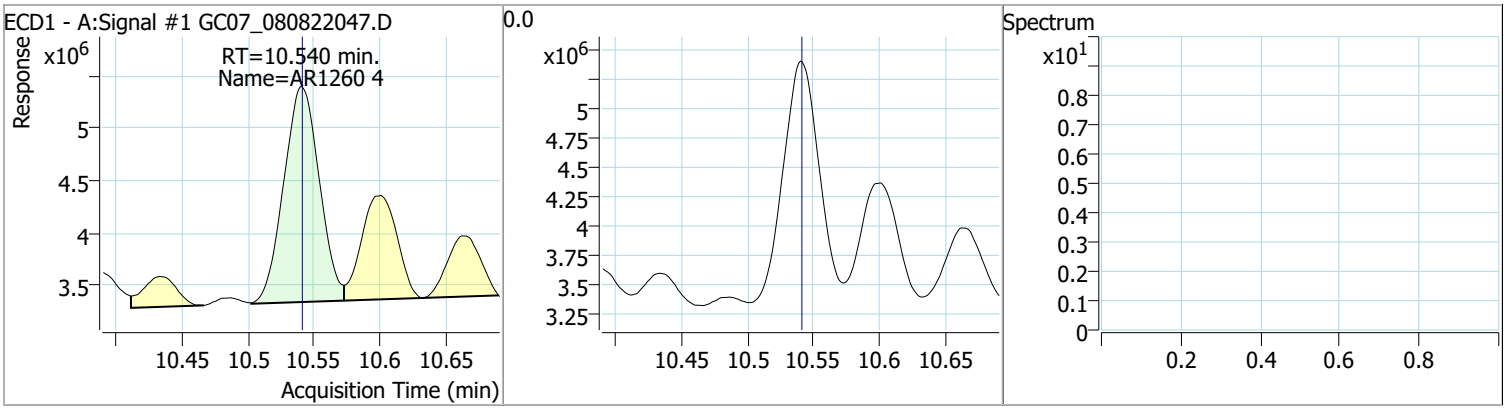
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	403.2533	9.99	0.00	8442478				



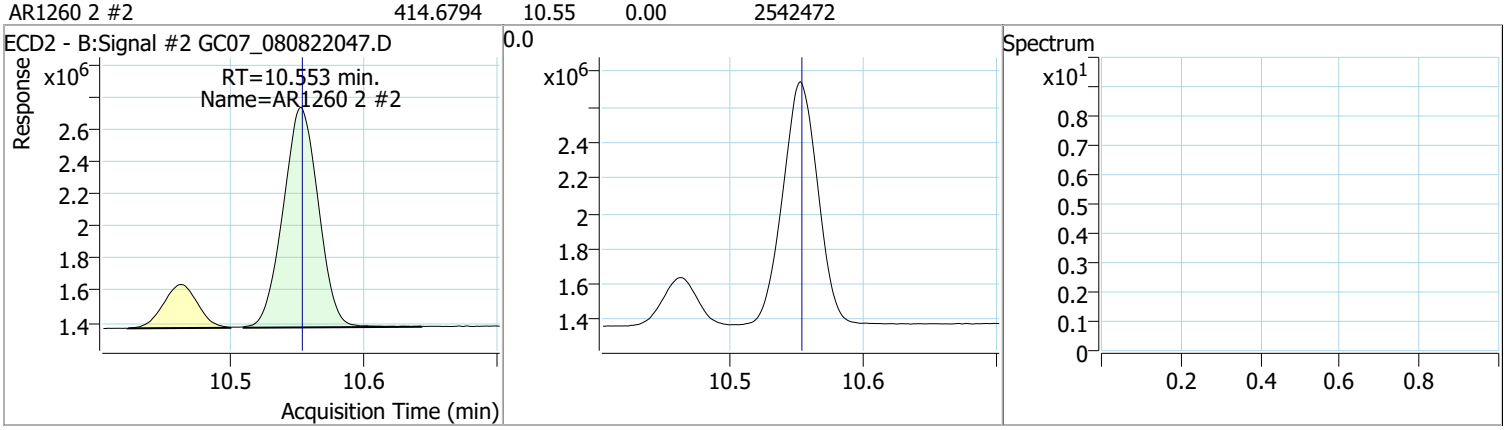
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	426.6380	10.25	0.00	2297222				



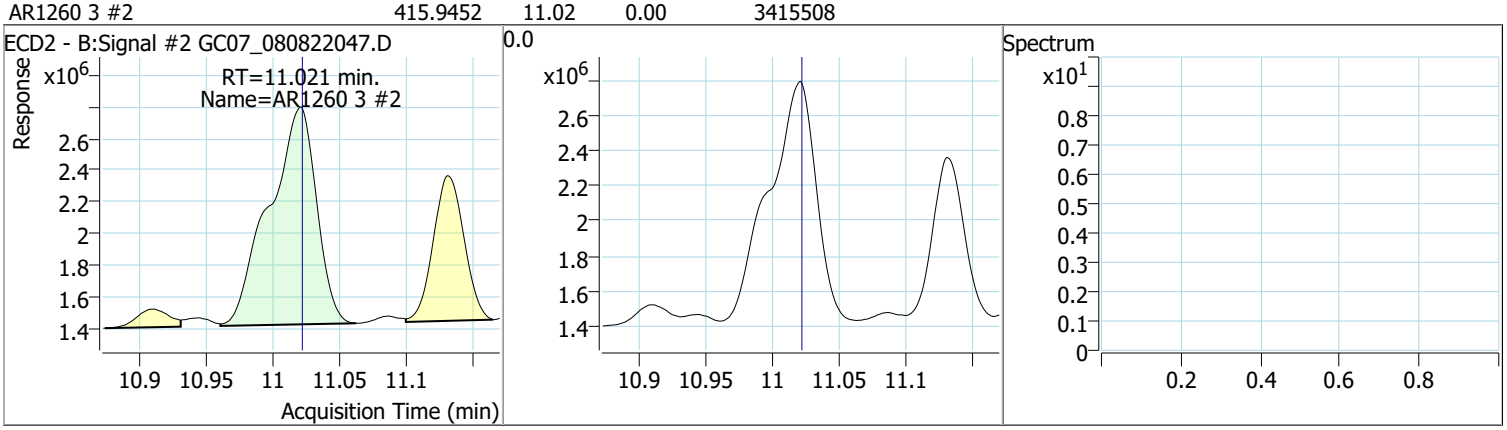
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	403.8643	10.54	0.00	3836017				



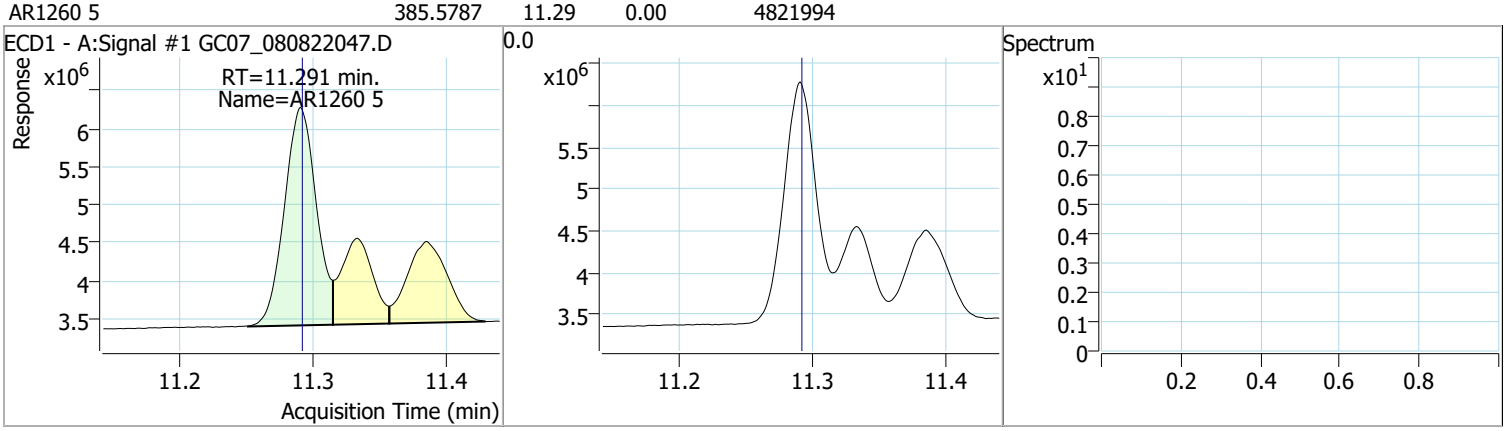
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	414.6794	10.55	0.00	2542472				



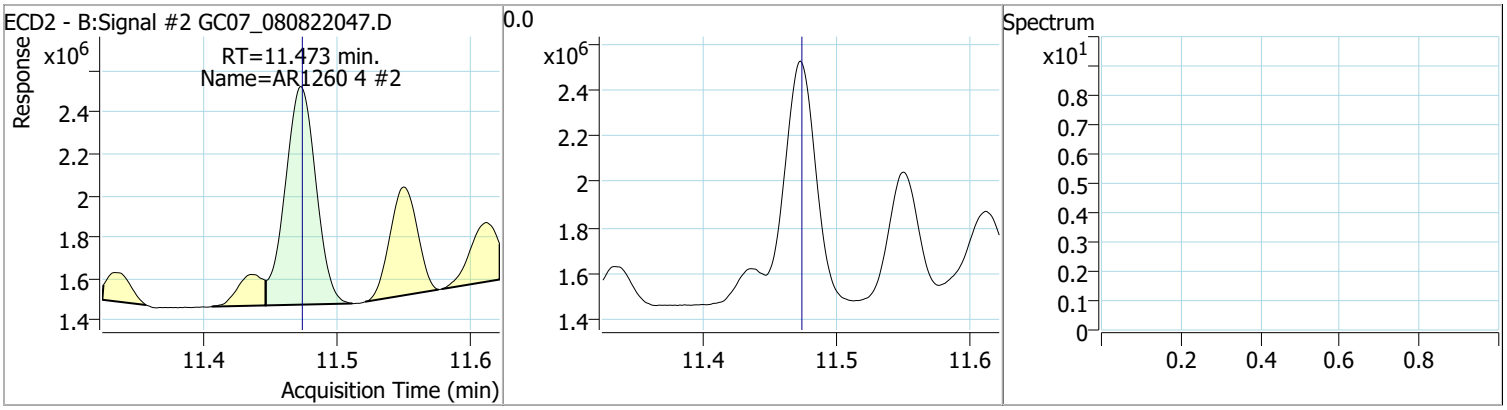
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	415.9452	11.02	0.00	3415508				



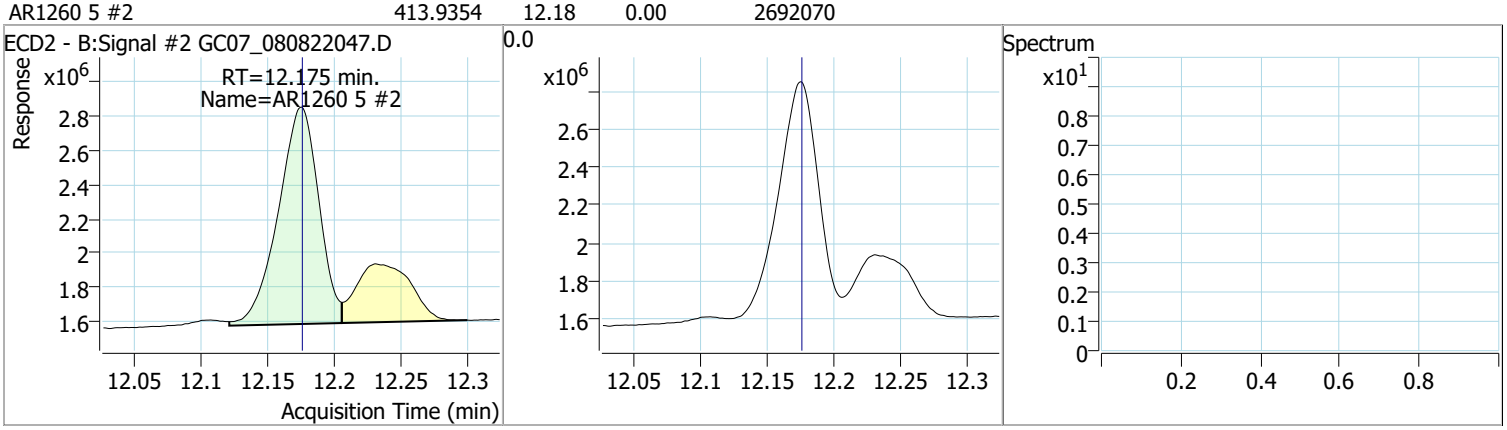
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	385.5787	11.29	0.00	4821994				



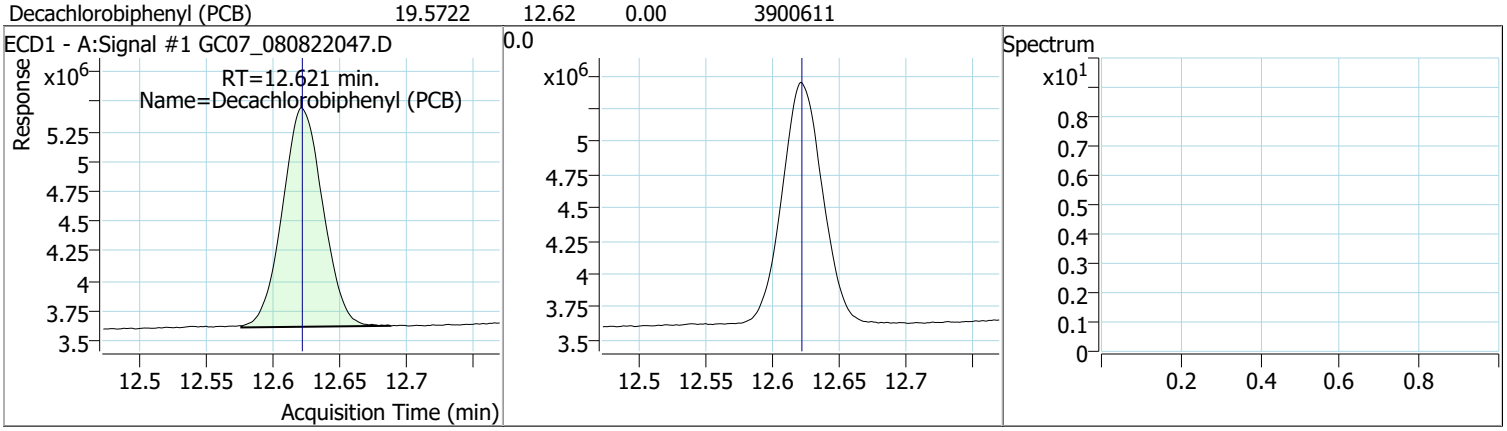
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	420.2312	11.47	0.00	1692757				



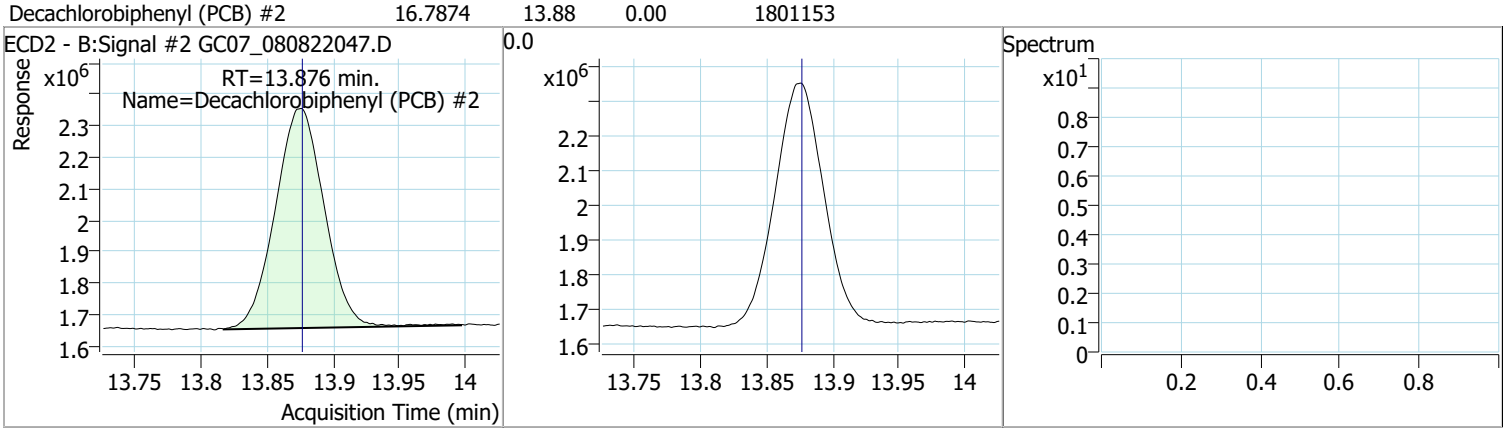
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	413.9354	12.18	0.00	2692070				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	19.5722	12.62	0.00	3900611				

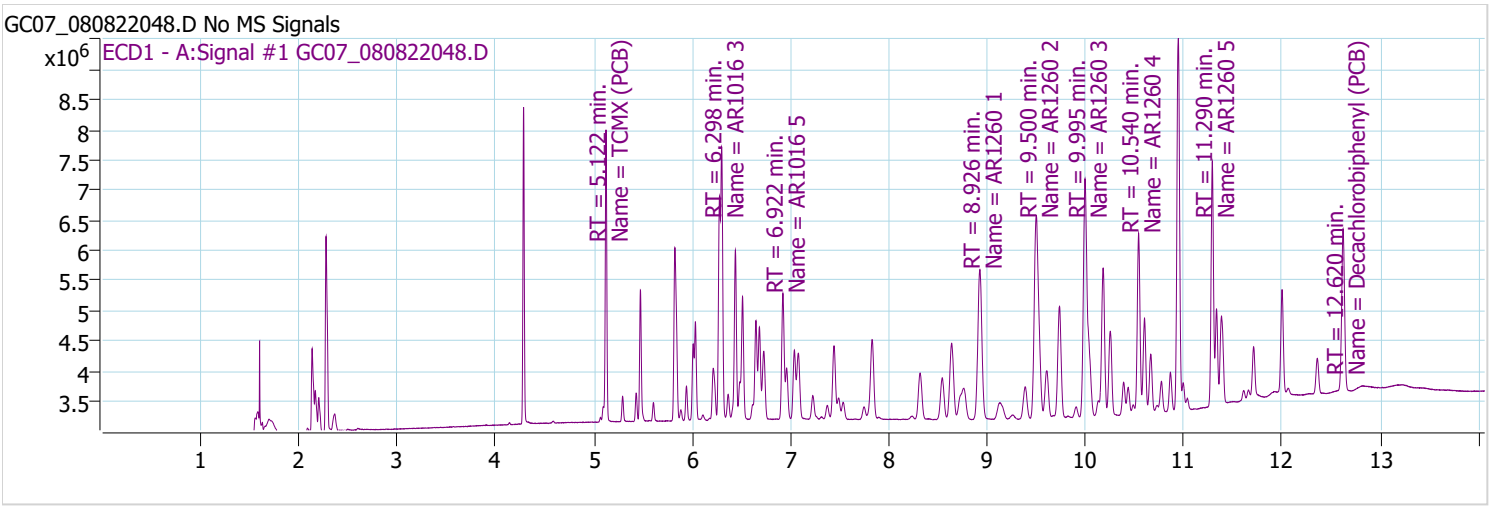


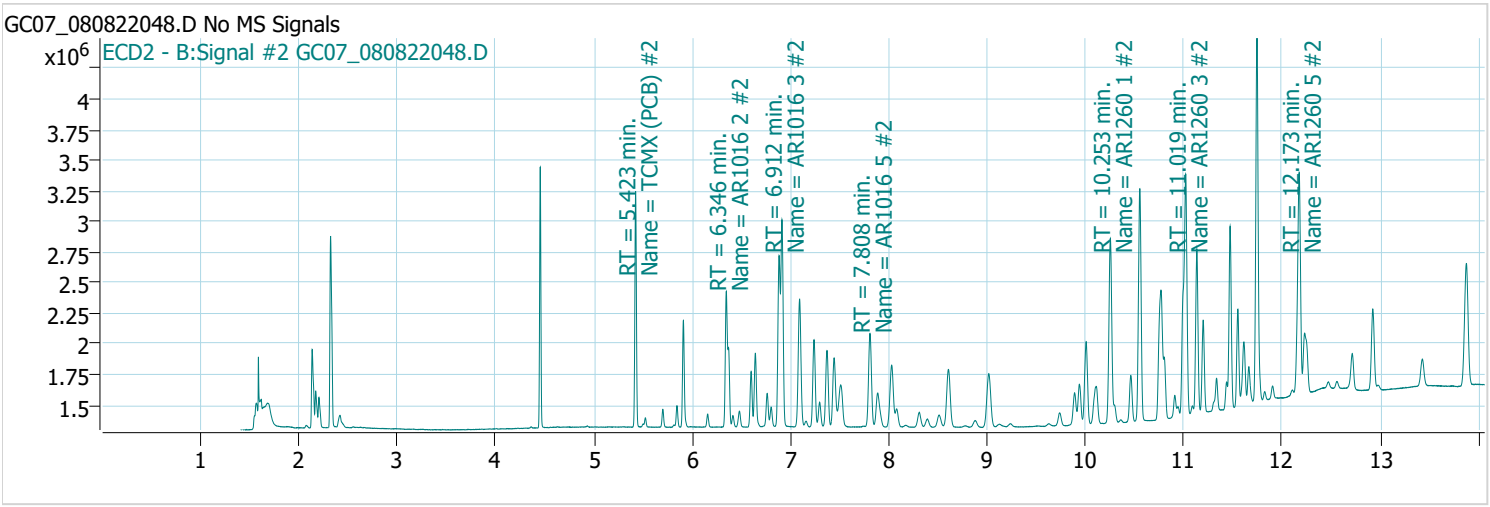
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	16.7874	13.88	0.00	1801153				



Quantitation Results Report (Not Reviewed)

Data File	GC07_080822048.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	8/9/2022 12:09:09 AM
Sample Name	ICAL, S16726, 2.66	Instrument	SVOA-GC07
Vial	96	Multiplier	1.00
DA Method File	PCB_608_080822_GC07_1.m	Comment	750 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	080822.batch.bin	Last Calib Update	8/9/2022 3:43:56 PM
Ref Library			



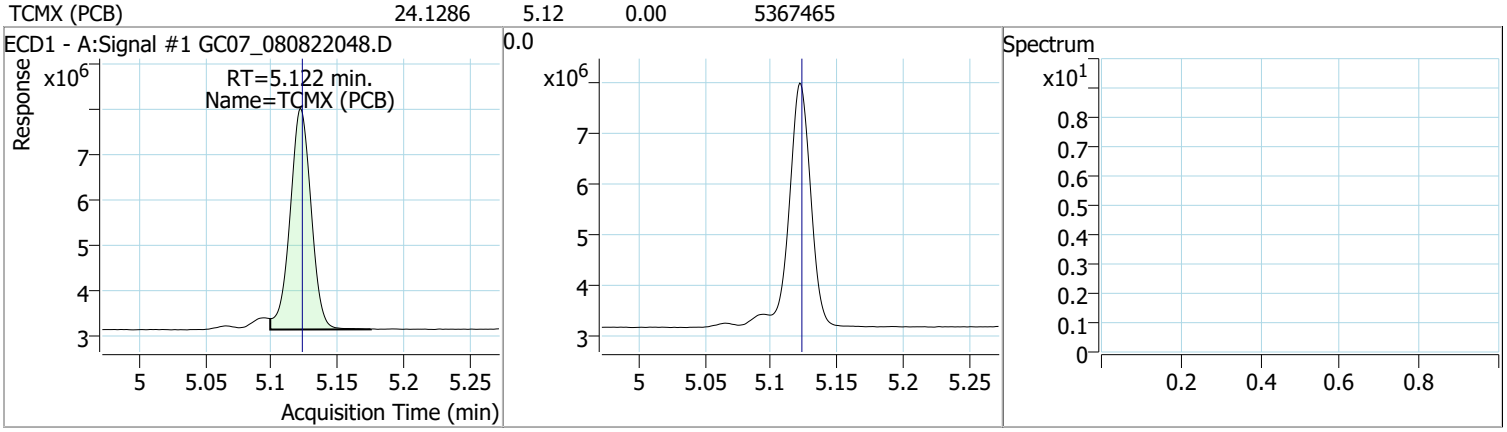


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.284	0.0	5080020.525	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.453	0.0	1898919.407	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.122	0.0	5367465.013	24.1286	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 120.64%		
S TCMX (PCB) #2	5.423	0.0	2115591.128	26.3667	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 131.83%		
S Decachlorobiphenyl (PCB)	12.620	0.0	5643607.038	29.7572	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 148.79%		
S Decachlorobiphenyl (PCB) #2	13.875	0.0	2571607.219	24.1339	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 120.67%		
Target Compounds						QValue

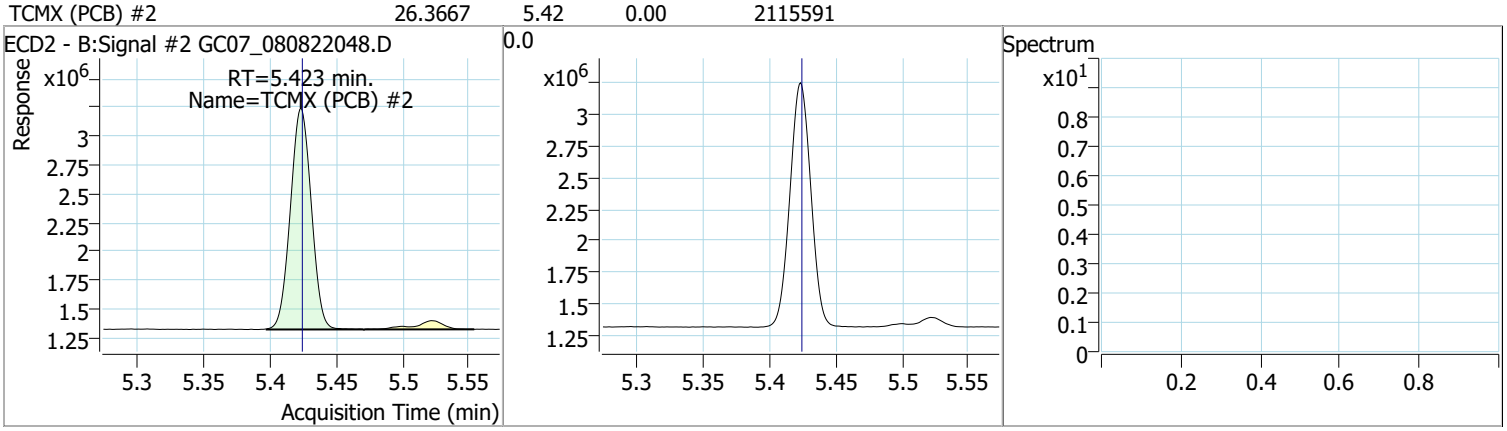
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.472	0.0	2671827.723	586.8684	ng/ml	100
T AR1016 2	5.823	0.0	5287336.623	580.9001	ng/ml	100
T AR1016 1 #2	5.909	0.0	1094167.539	643.3080	ng/ml	100
T AR1016 3	6.298	0.0	6399459.976	685.3208	ng/ml	100
T AR1016 2 #2	6.346	0.0	2331951.731	639.1864	ng/ml	100
T AR1016 4	6.438	0.0	4230272.968	580.4322	ng/ml	100
T AR1016 3 #2	6.912	0.0	2781778.495	627.4944	ng/ml	100
T AR1016 5	6.922	0.0	3697629.765	579.4641	ng/ml	100
T AR1016 4 #2	7.092	0.0	2025692.882	630.8619	ng/ml	100
T AR1016 5 #2	7.808	0.0	1586100.781	636.8838	ng/ml	100
T AR1260 1	8.926	0.0	7165565.612	565.3138	ng/ml	100
T AR1260 2	9.500	0.0	10824079.000	568.4997	ng/ml	100
T AR1260 3	9.995	0.0	11896619.618	571.4685	ng/ml	100
T AR1260 1 #2	10.253	0.0	3274371.576	612.3125	ng/ml	100
T AR1260 4	10.540	0.0	5396474.966	571.3812	ng/ml	100
T AR1260 2 #2	10.553	0.0	3587778.518	589.2106	ng/ml	100
T AR1260 3 #2	11.019	0.0	4873076.981	597.5479	ng/ml	100
T AR1260 5	11.290	0.0	6904468.255	555.2356	ng/ml	100
T AR1260 4 #2	11.471	0.0	2395504.787	598.7968	ng/ml	100
T AR1260 5 #2	12.173	0.0	3851656.611	596.3244	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

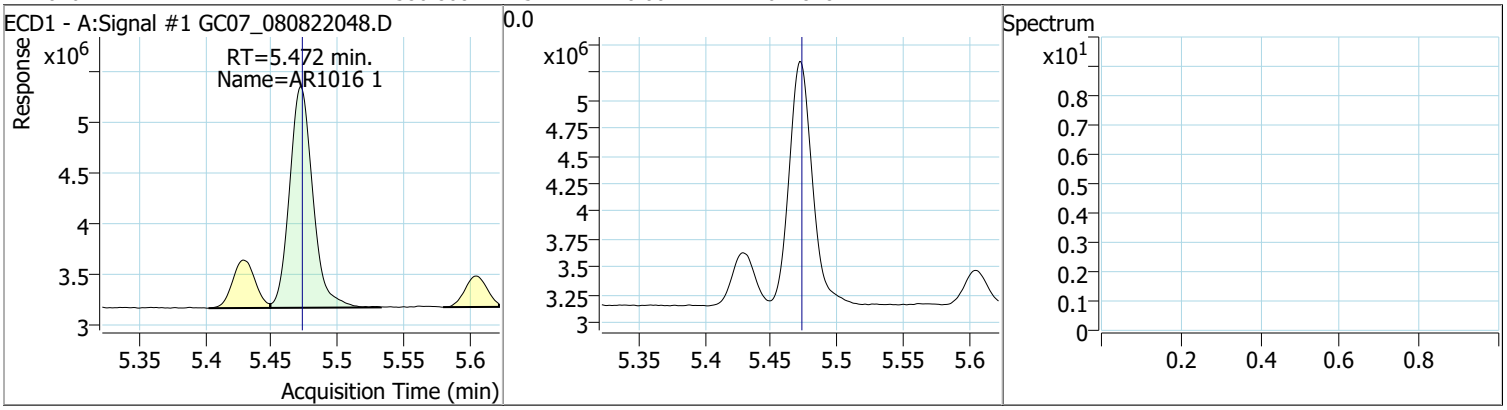
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	24.1286	5.12	0.00	5367465				



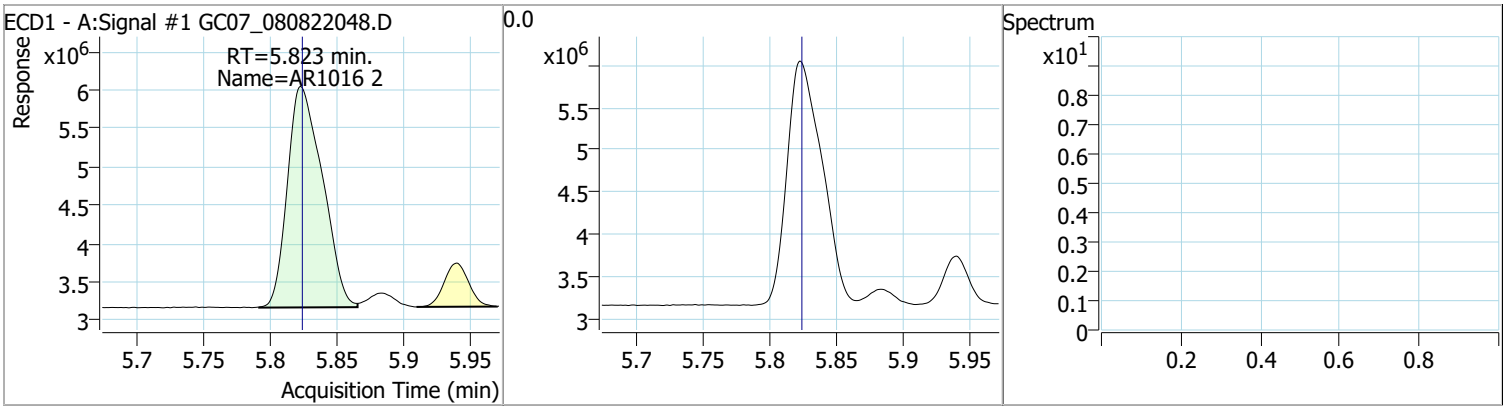
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	26.3667	5.42	0.00	2115591				



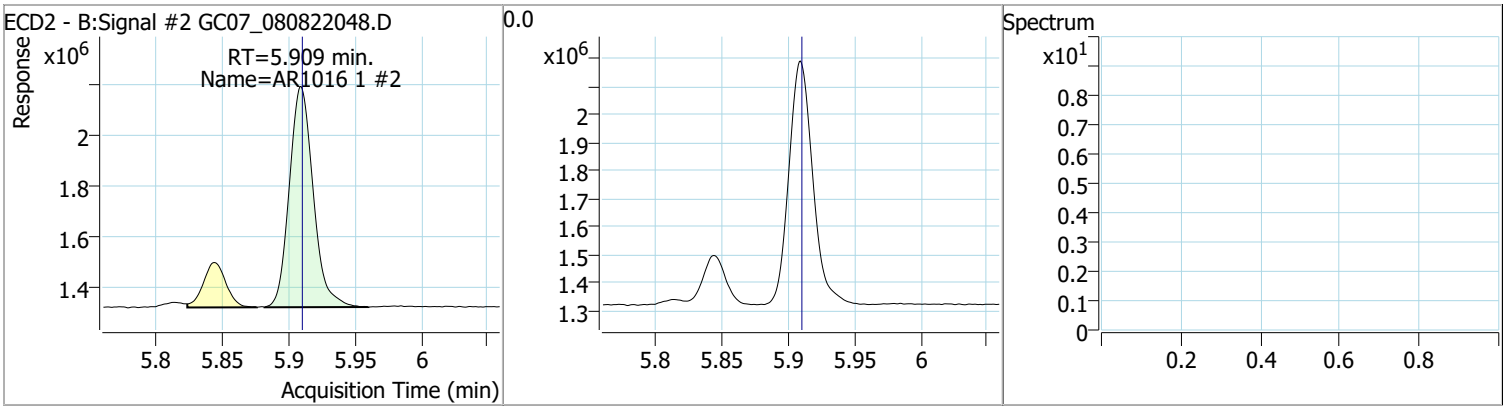
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	586.8684	5.47	0.00	2671828				



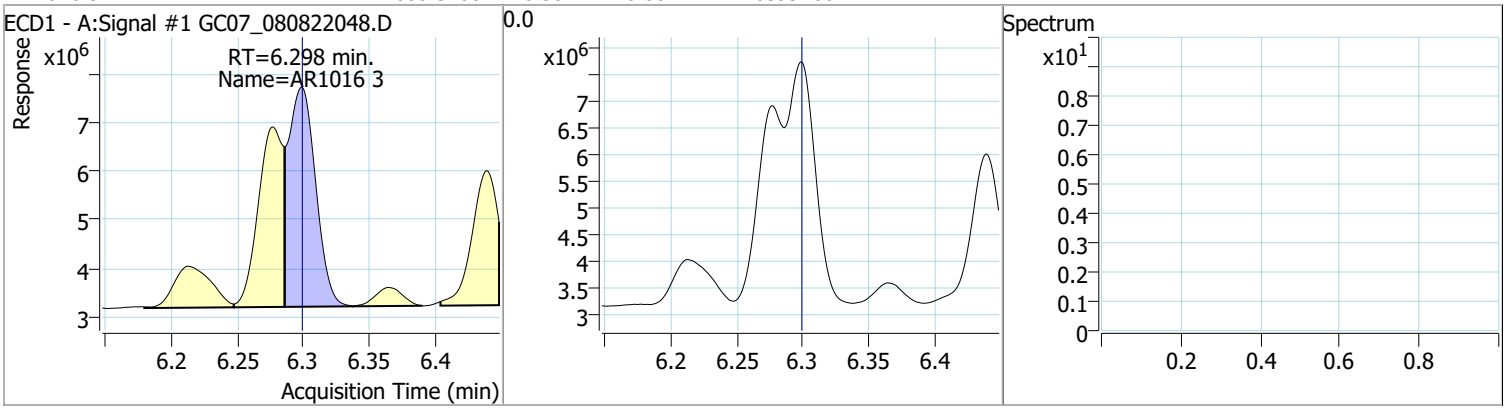
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	580.9001	5.82	0.00	5287337				



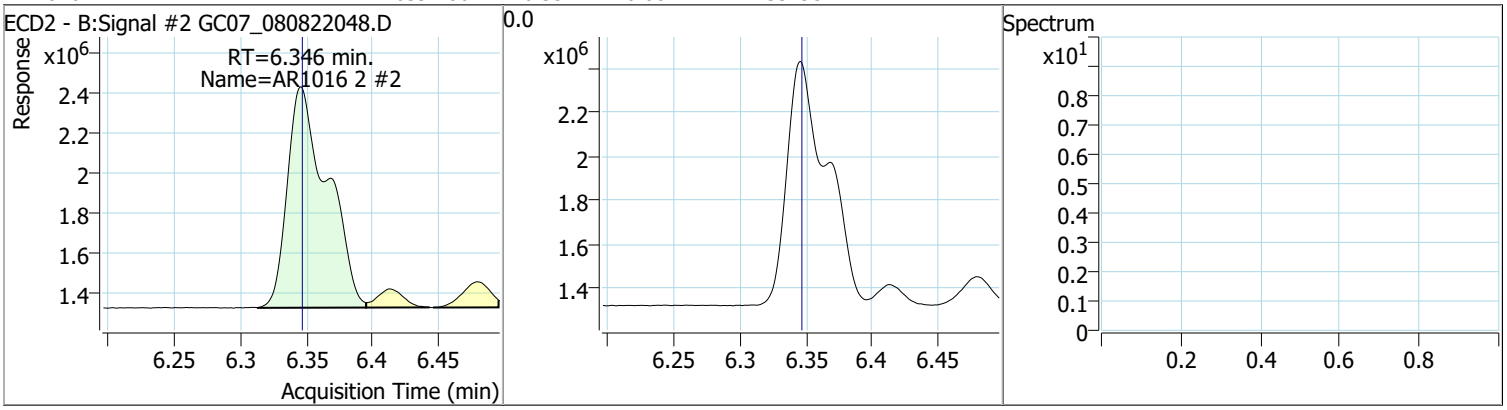
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	643.3080	5.91	0.00	1094168				



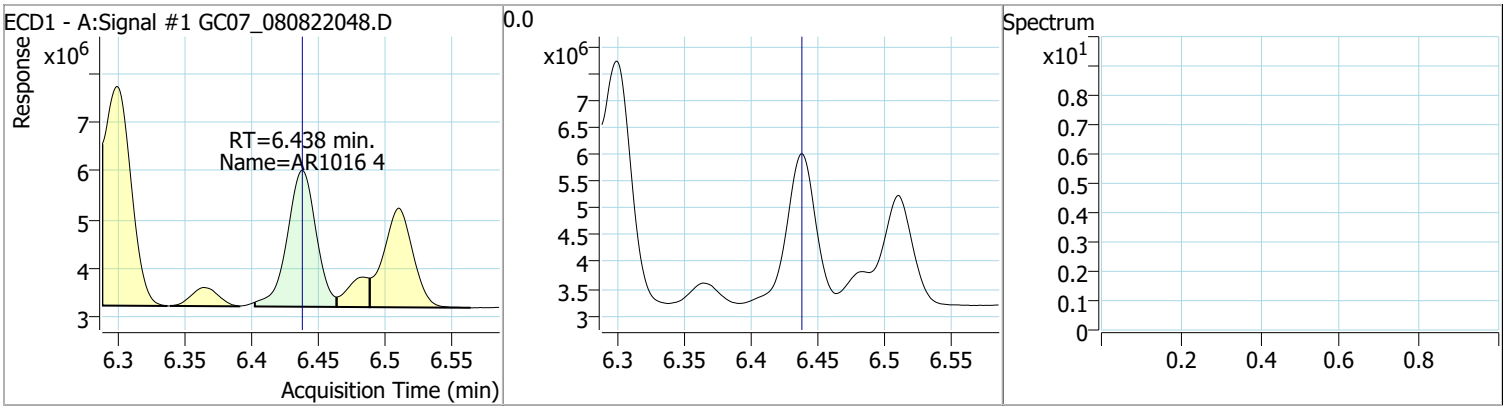
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	685.3208	6.30	0.00	6399460				



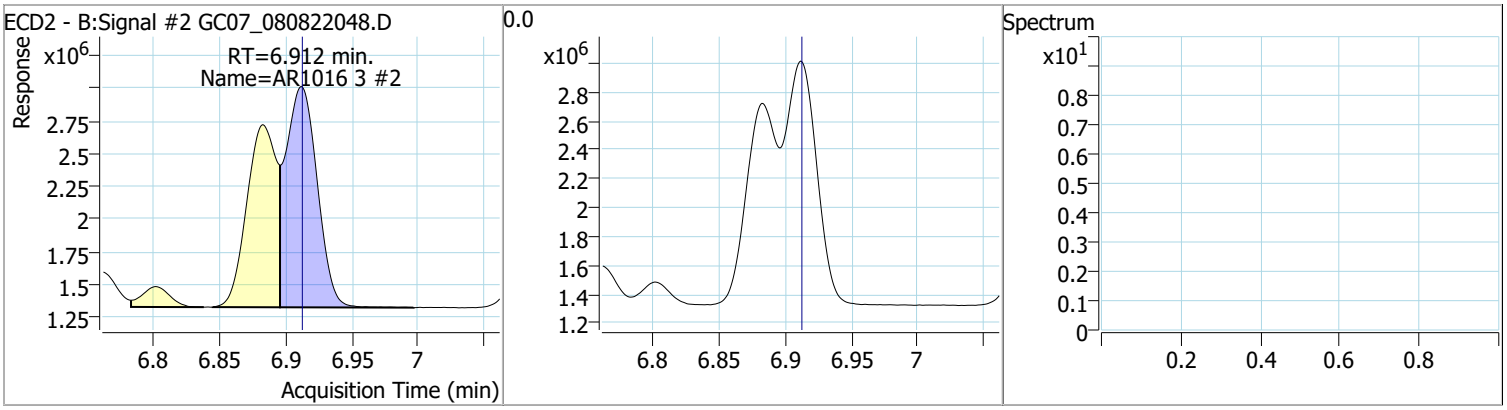
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	639.1864	6.35	0.00	2331952				



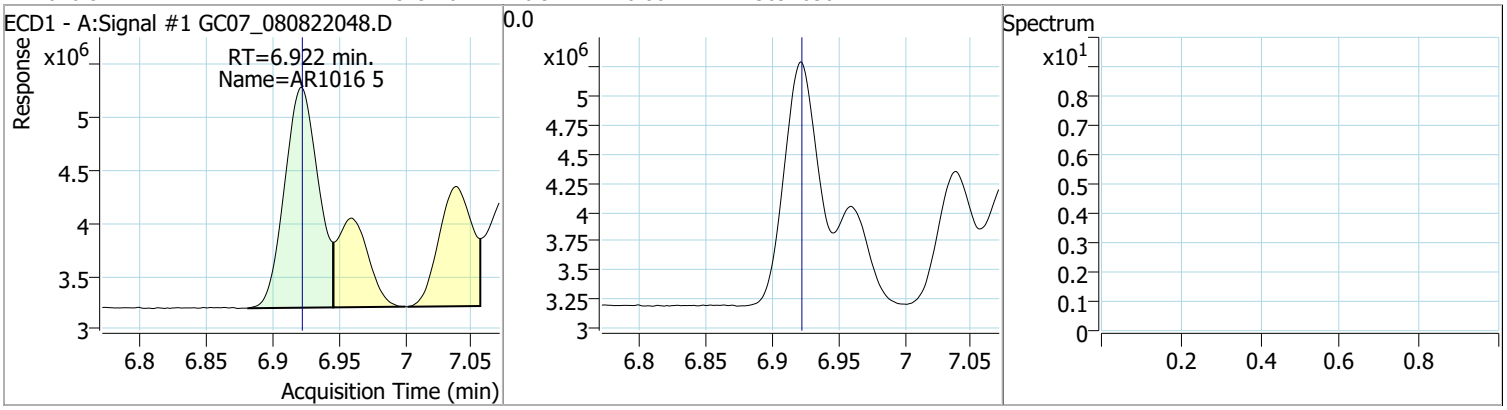
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	580.4322	6.44	0.00	4230273				



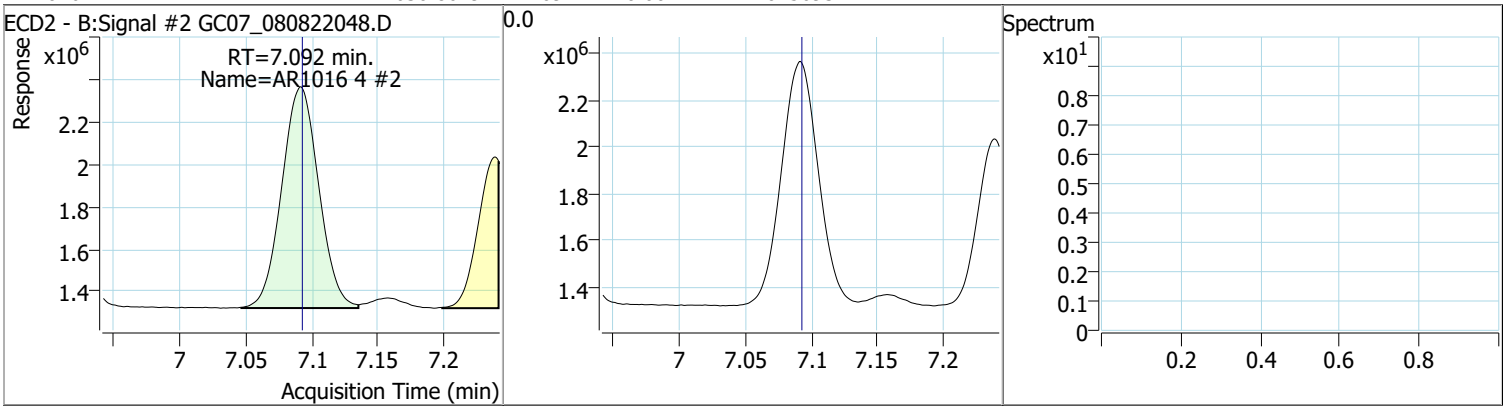
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	627.4944	6.91	0.00	2781778				



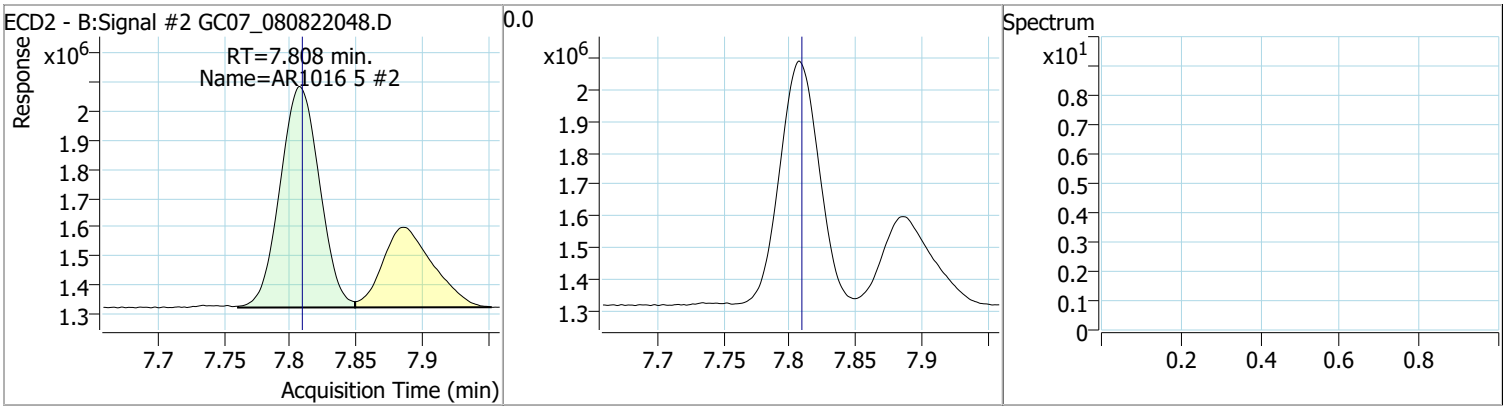
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	579.4641	6.92	0.00	3697630				



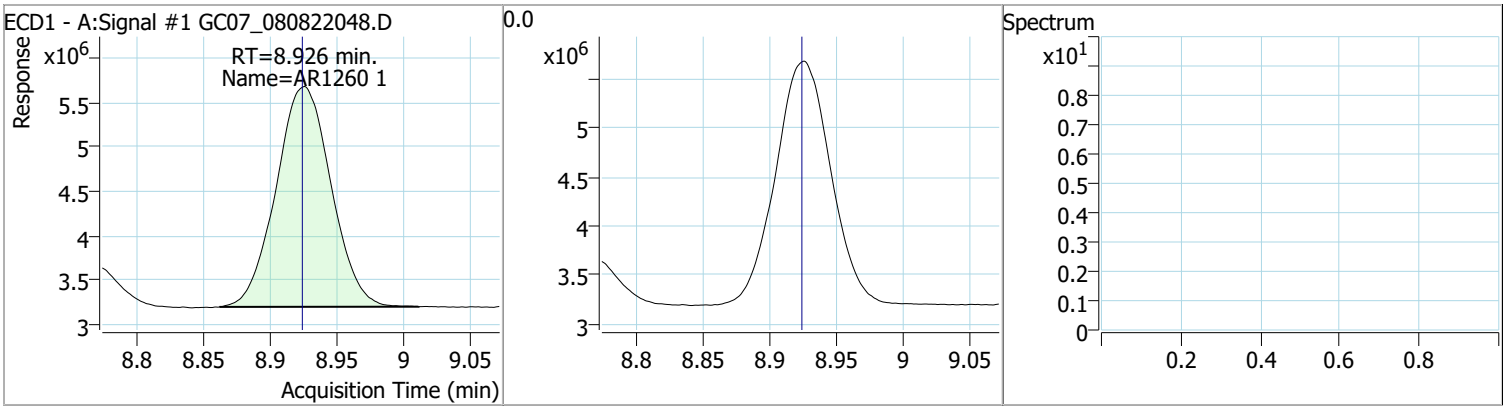
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	630.8619	7.09	0.00	2025693				



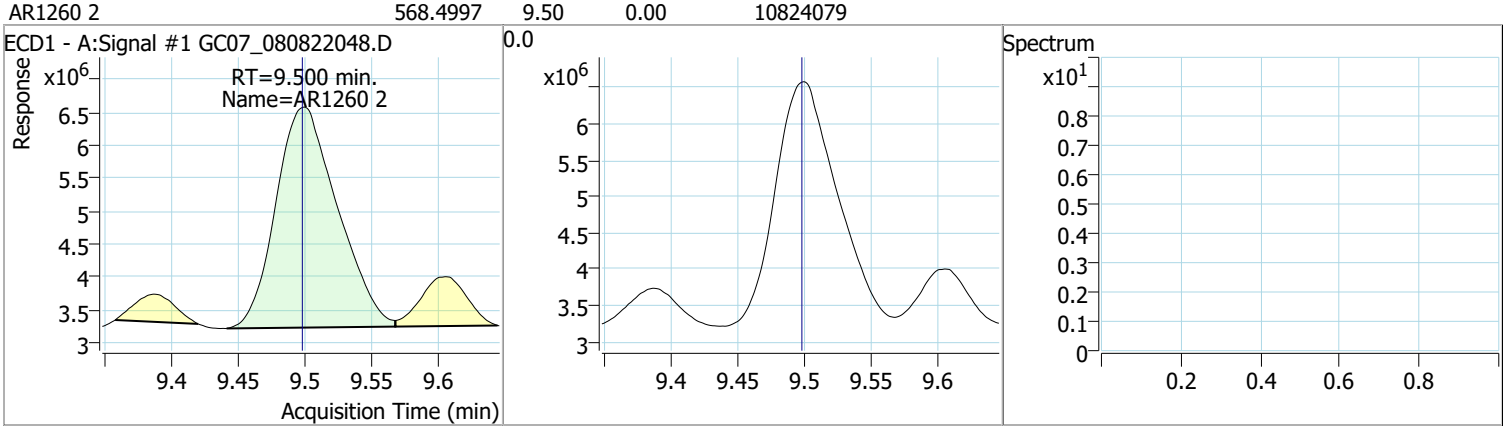
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	636.8838	7.81	0.00	1586101				



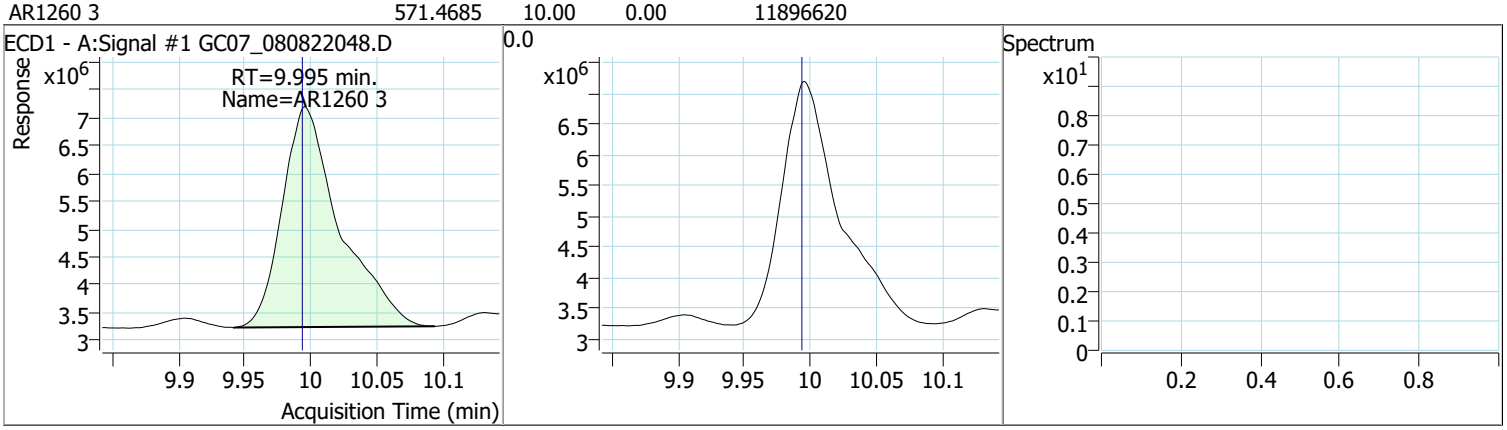
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	565.3138	8.93	0.00	7165566				



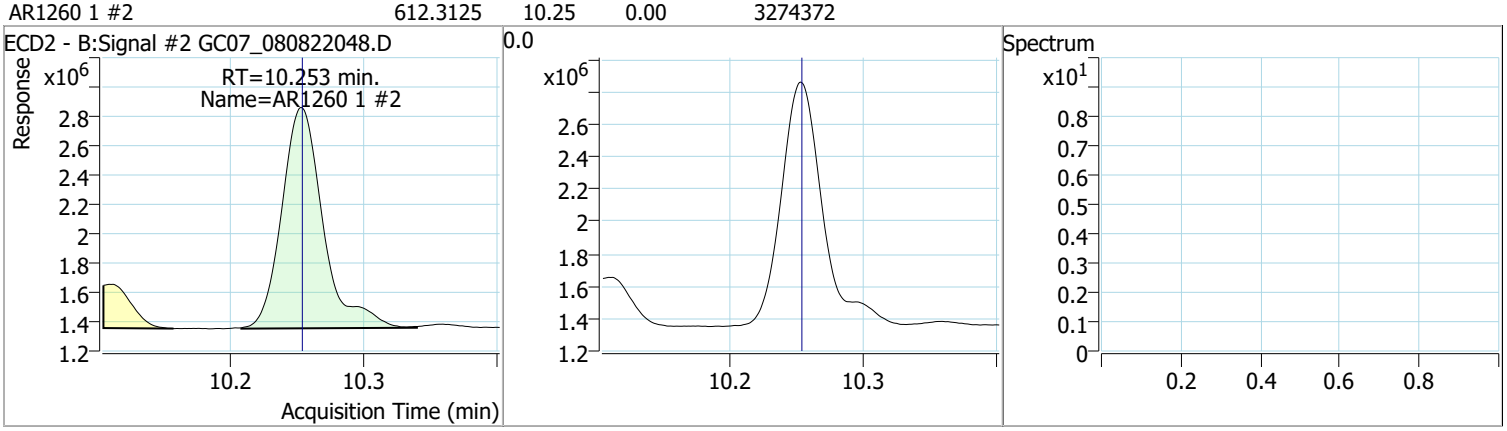
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	568.4997	9.50	0.00	10824079				



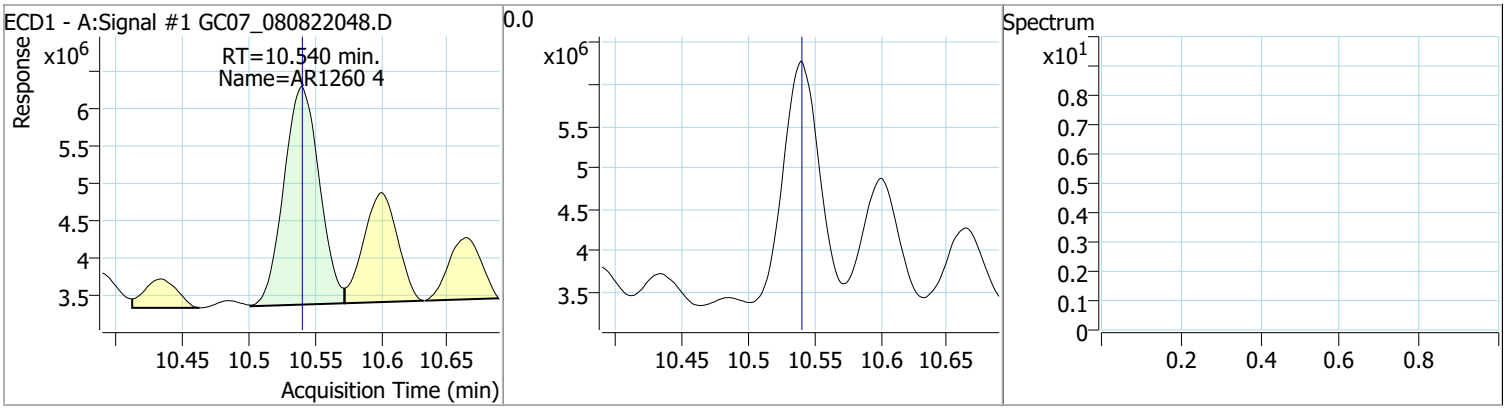
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	571.4685	10.00	0.00	11896620				



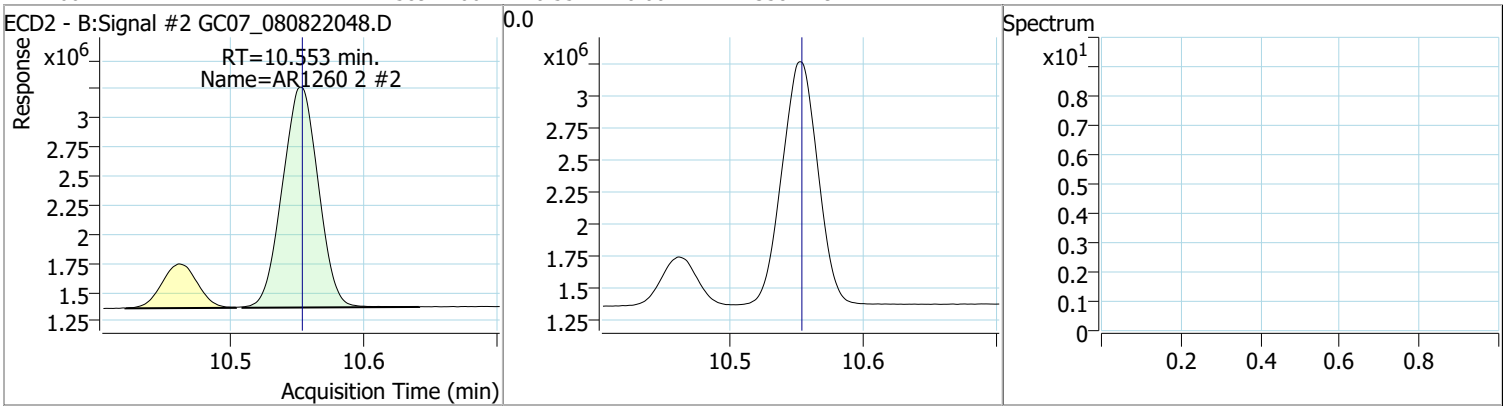
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	612.3125	10.25	0.00	3274372				



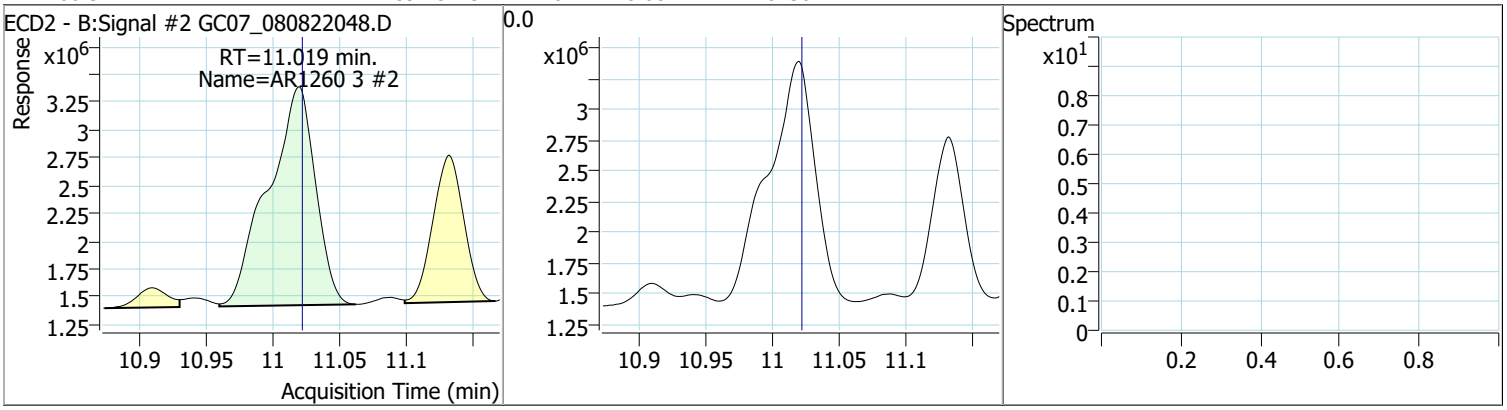
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	571.3812	10.54	0.00	5396475				



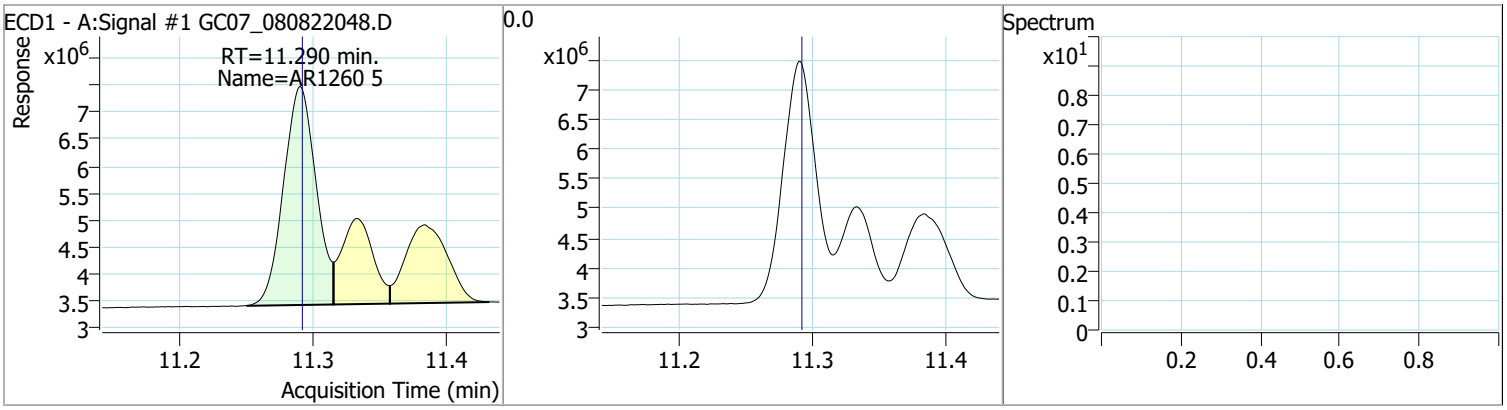
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	589.2106	10.55	0.00	3587779				



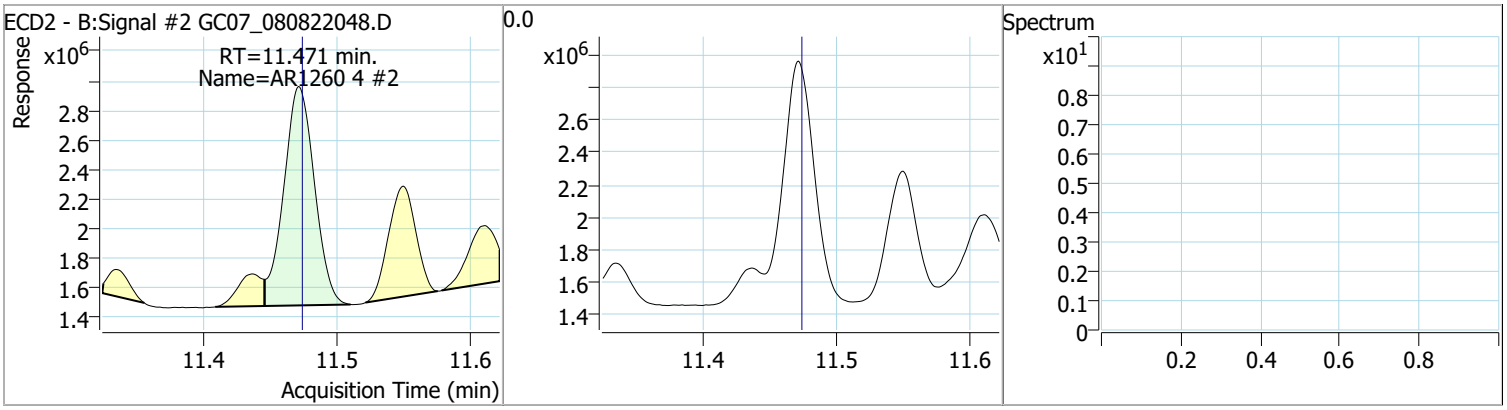
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	597.5479	11.02	0.00	4873077				



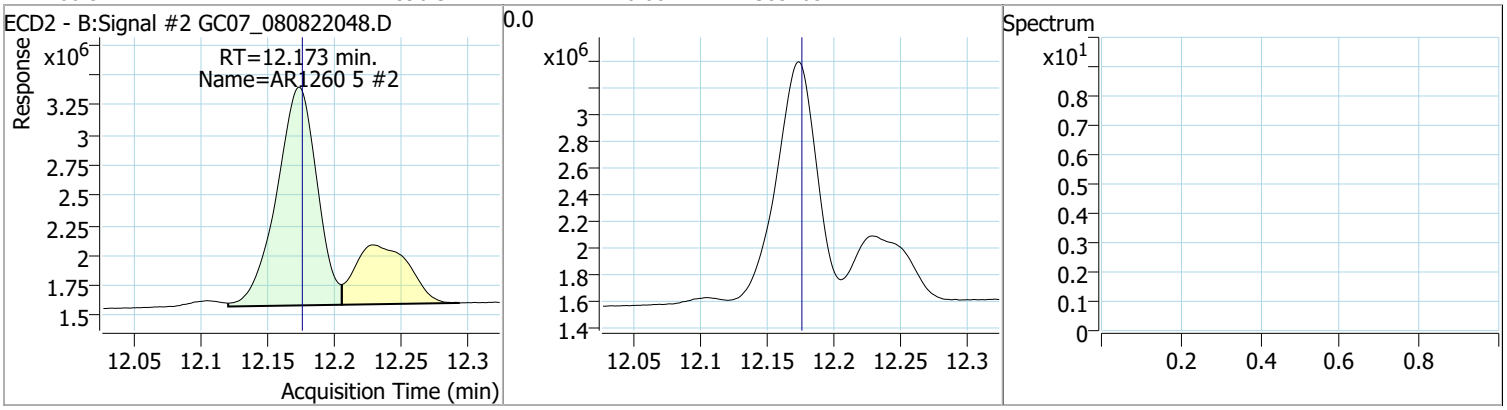
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	555.2356	11.29	0.00	6904468				



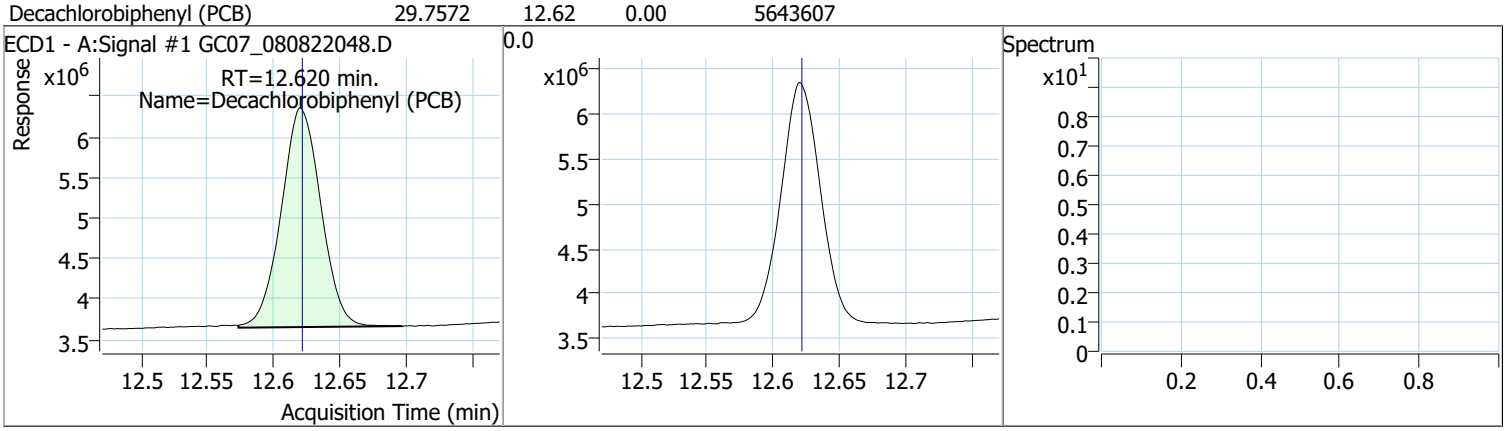
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	598.7968	11.47	0.00	2395505				



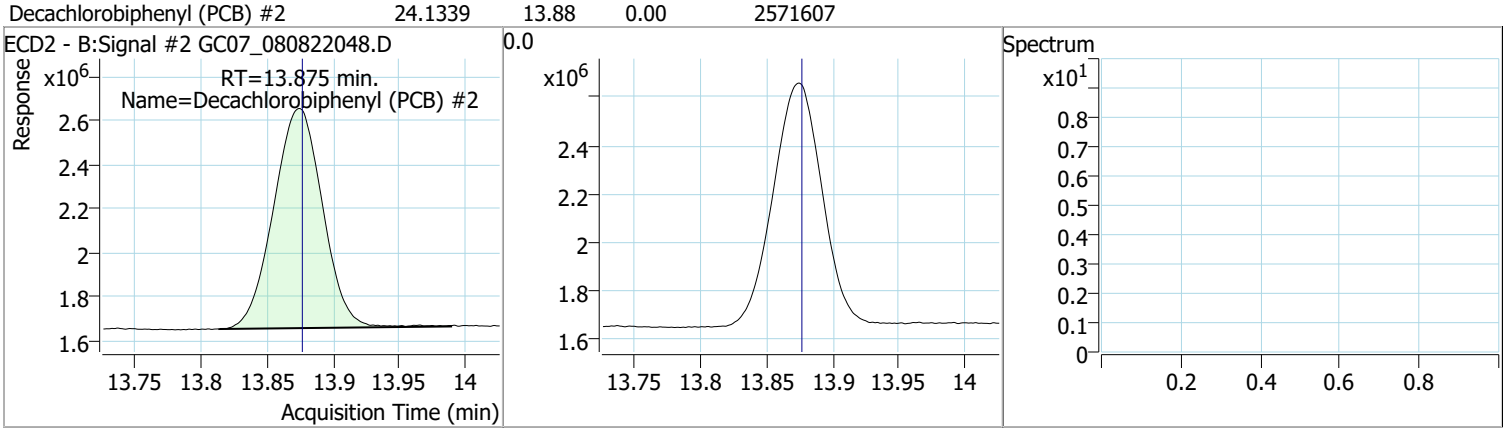
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	596.3244	12.17	0.00	3851657				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	29.7572	12.62	0.00	5643607				

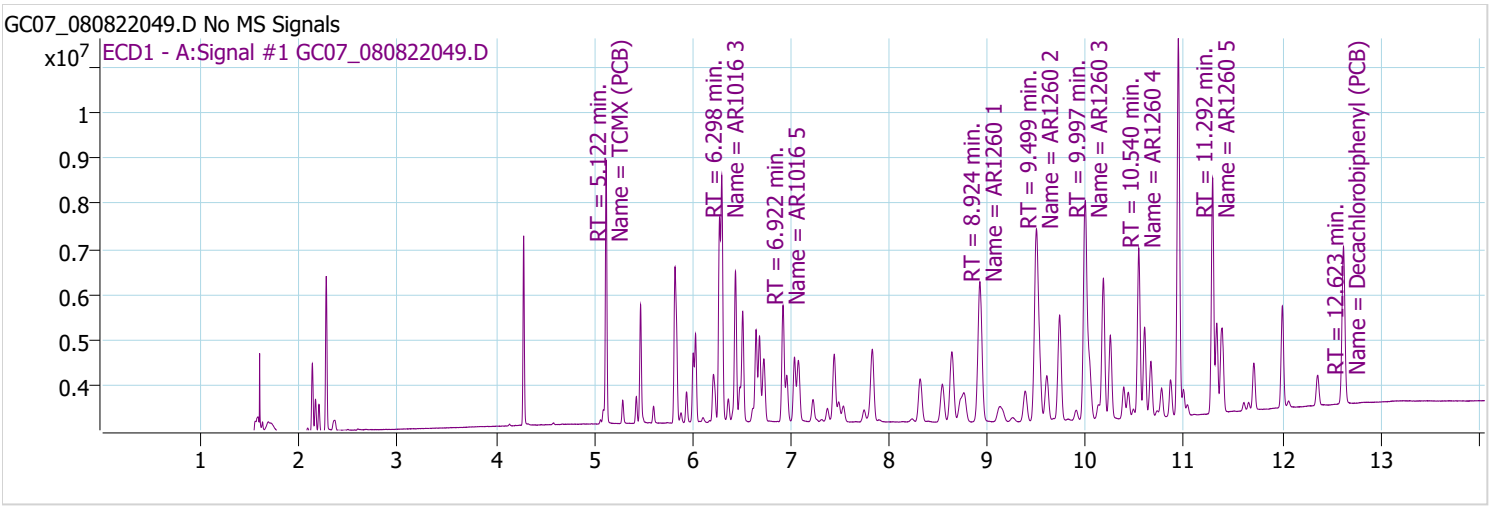


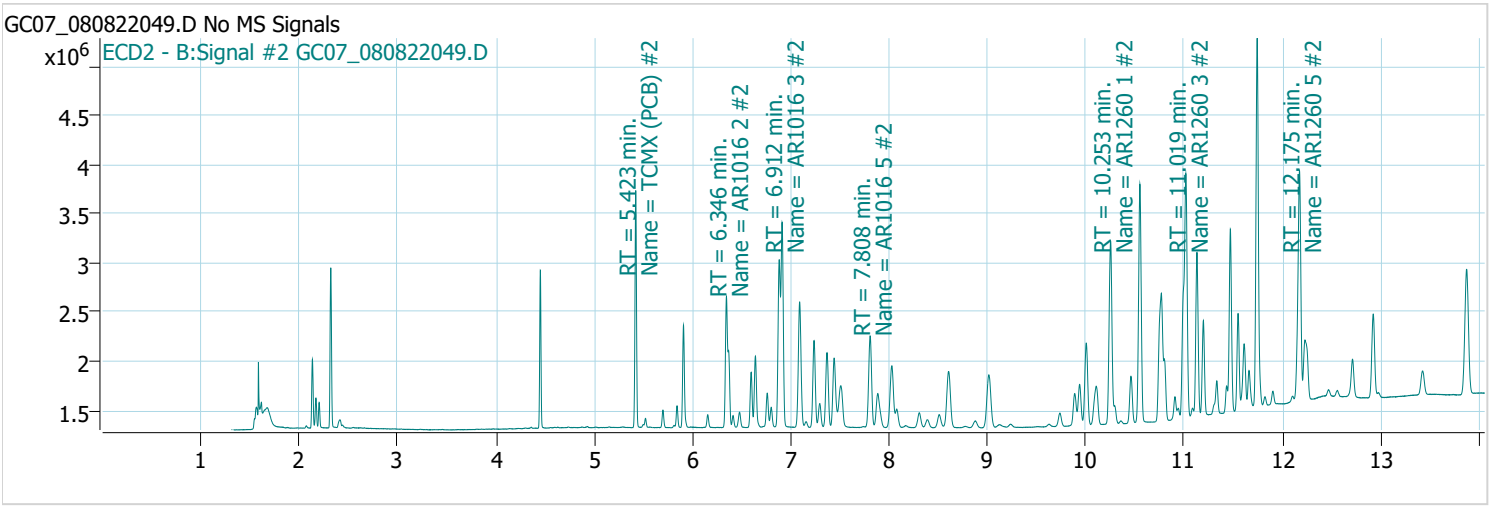
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	24.1339	13.88	0.00	2571607				



Quantitation Results Report (Not Reviewed)

Data File	GC07_080822049.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	8/9/2022 12:26:52 AM
Sample Name	ICAL,S16726, 2	Instrument	SVOA-GC07
Vial	97	Multiplier	1.00
DA Method File	PCB_608_080822_GC07_1.m	Comment	1000 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	080822.batch.bin	Last Calib Update	8/9/2022 3:43:56 PM
Ref Library			



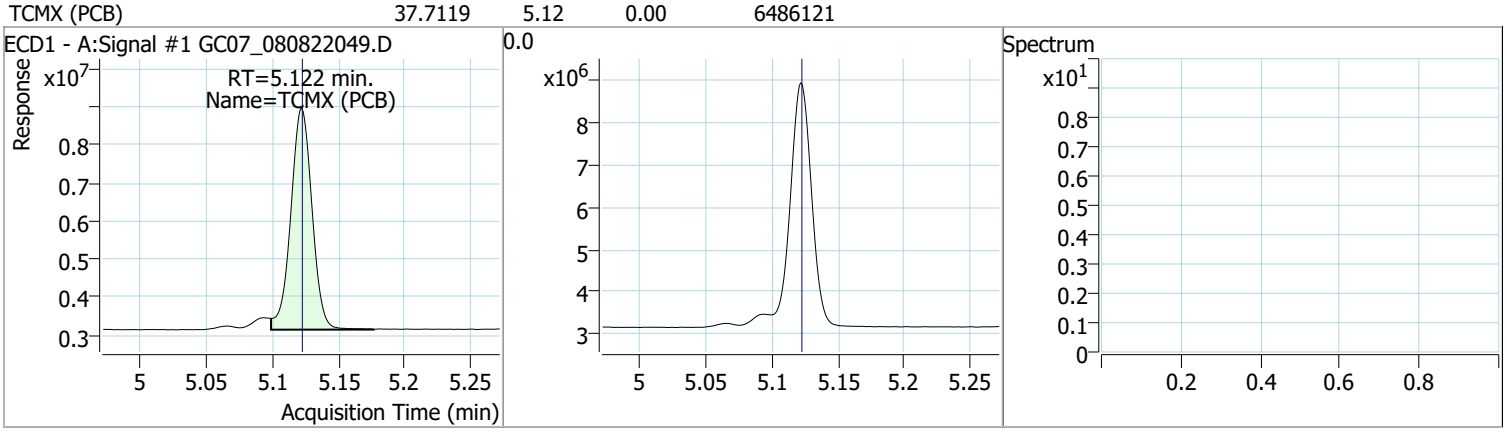


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.284	0.0	3927669.575	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.453	0.0	1435272.662	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.122	0.0	6486120.526	37.7119	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 188.56%		*	
S TCMX (PCB) #2	5.423	0.0	2578433.505	42.5160	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 212.58%		*	
S Decachlorobiphenyl (PCB)	12.623	0.0	7336544.316	51.9470	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 259.73%		*	
S Decachlorobiphenyl (PCB) #2	13.875	0.0	3313927.361	41.1469	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 205.73%		*	
Target Compounds							QValue

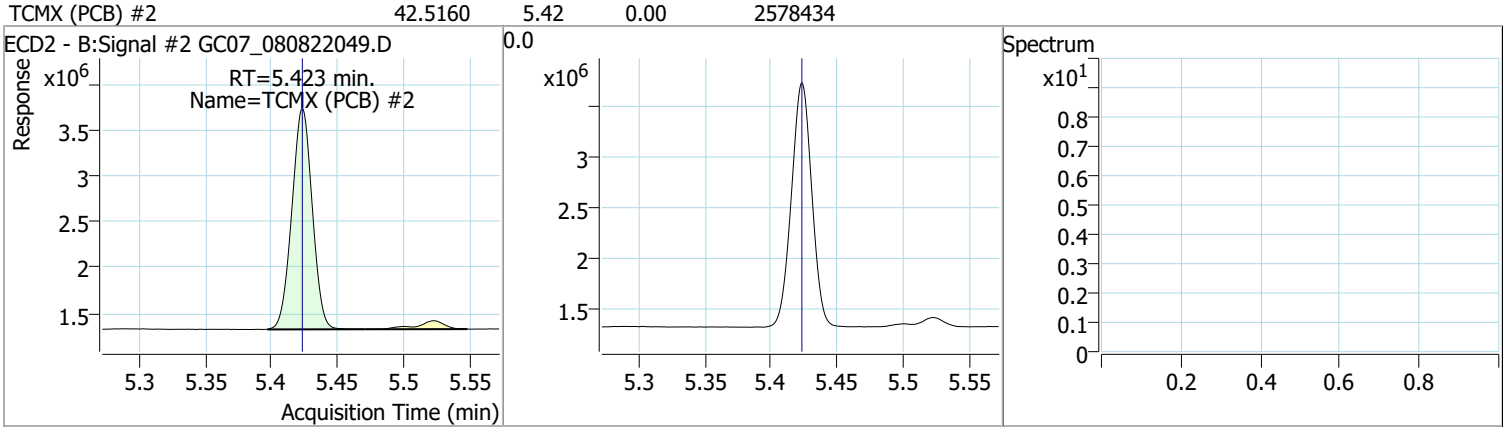
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.473	0.0	3214351.294	913.1795	ng/ml	100
T AR1016 2	5.823	0.0	6328213.772	899.2411	ng/ml	100
T AR1016 1 #2	5.909	0.0	1332851.112	1036.7854	ng/ml	100
T AR1016 3	6.298	0.0	7805767.951	1044.2873	ng/ml	100
T AR1016 2 #2	6.346	0.0	2821248.587	1023.1079	ng/ml	100
T AR1016 4	6.438	0.0	5121298.207	908.8531	ng/ml	100
T AR1016 3 #2	6.912	0.0	3388311.687	1011.2134	ng/ml	100
T AR1016 5	6.922	0.0	4515857.422	915.3220	ng/ml	100
T AR1016 4 #2	7.091	0.0	2464420.550	1015.4245	ng/ml	100
T AR1016 5 #2	7.808	0.0	1950131.731	1036.0138	ng/ml	100
T AR1260 1	8.924	0.0	8967620.576	915.0543	ng/ml	100
T AR1260 2	9.499	0.0	13435733.834	912.7067	ng/ml	100
T AR1260 3	9.997	0.0	14870328.305	923.8891	ng/ml	100
T AR1260 1 #2	10.253	0.0	4057320.735	1003.8218	ng/ml	100
T AR1260 4	10.540	0.0	6806483.850	932.1141	ng/ml	100
T AR1260 2 #2	10.552	0.0	4490516.979	975.6935	ng/ml	100
T AR1260 3 #2	11.019	0.0	6152690.594	998.1750	ng/ml	100
T AR1260 5	11.292	0.0	8875571.722	923.1535	ng/ml	100
T AR1260 4 #2	11.472	0.0	3042526.420	1006.2106	ng/ml	100
T AR1260 5 #2	12.175	0.0	4906162.838	1004.9607	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

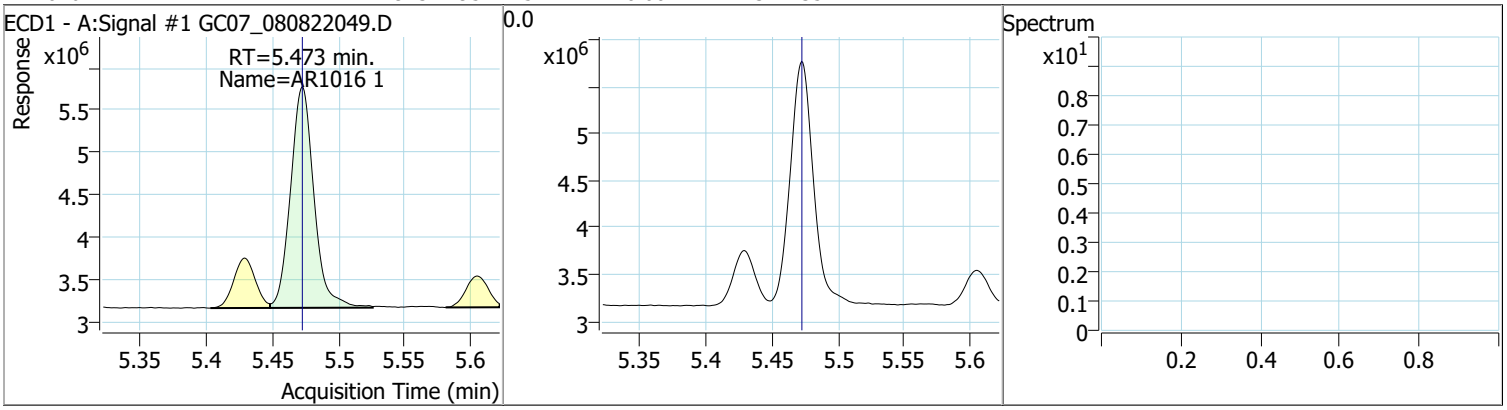
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	37.7119	5.12	0.00	6486121				



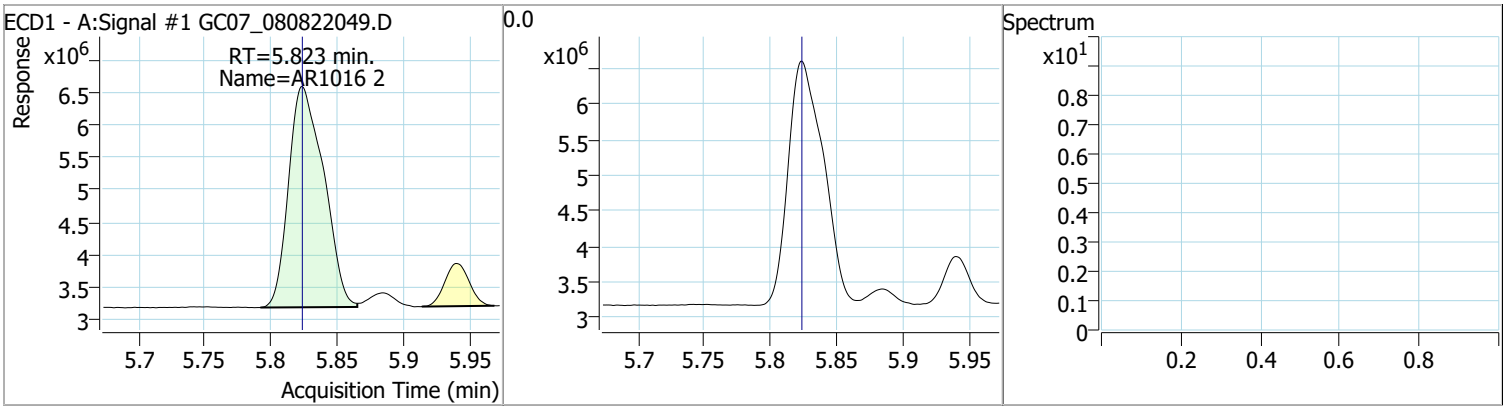
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	42.5160	5.42	0.00	2578434				



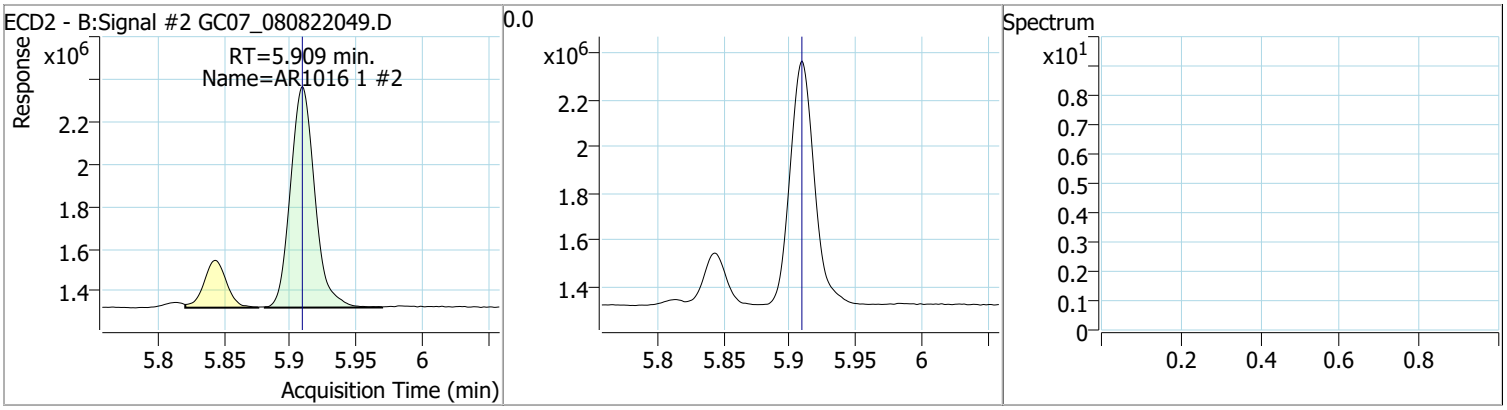
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	913.1795	5.47	0.00	3214351				



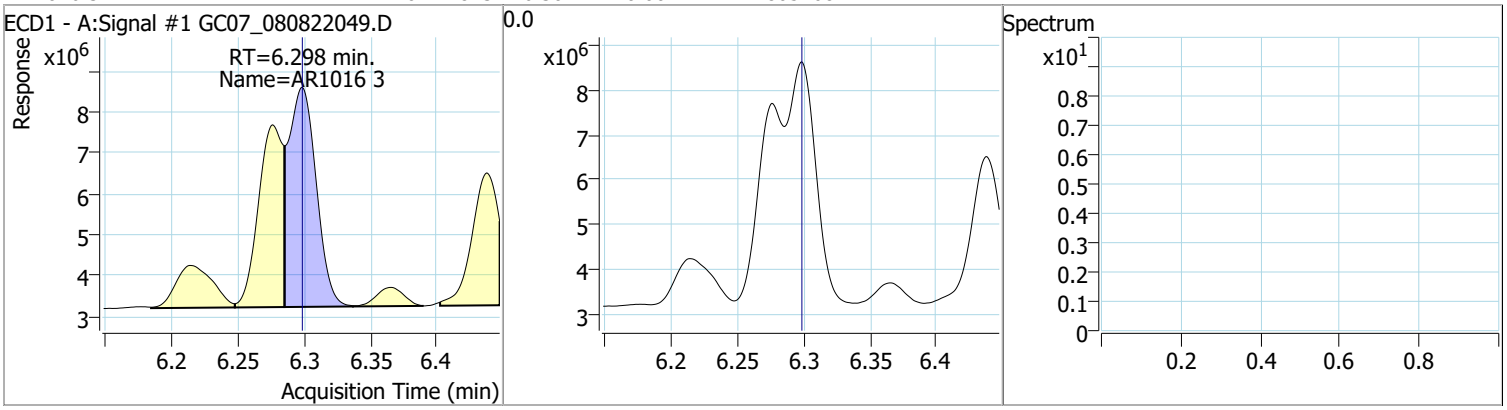
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	899.2411	5.82	0.00	6328214				



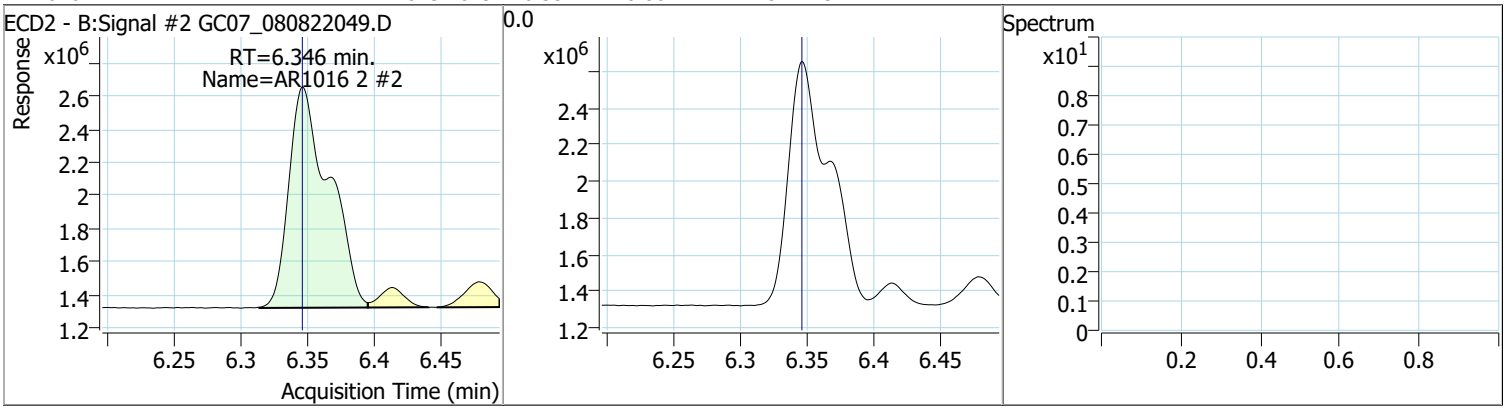
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1036.7854	5.91	0.00	1332851				



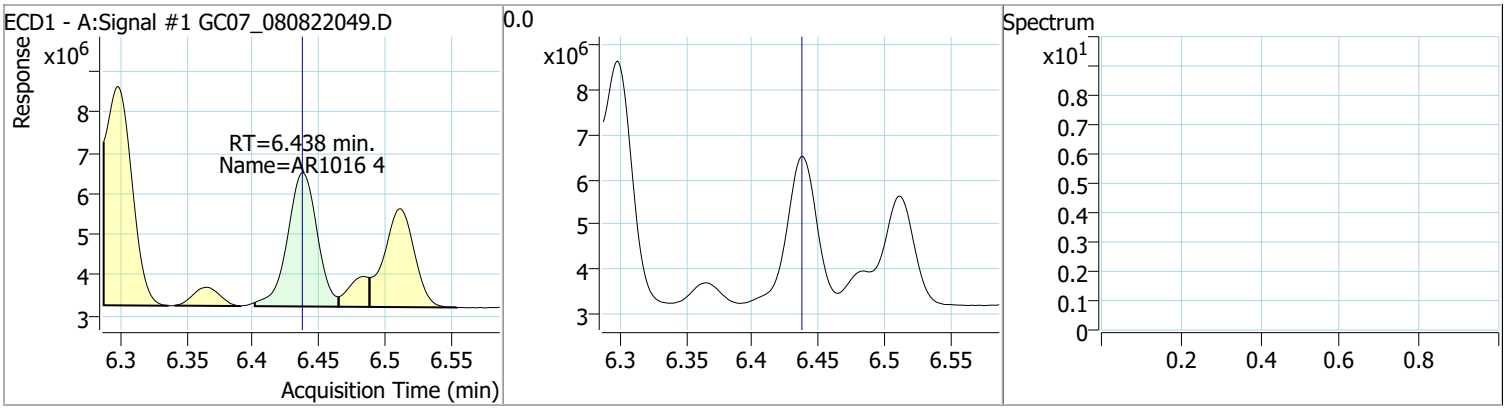
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1044.2873	6.30	0.00	7805768				



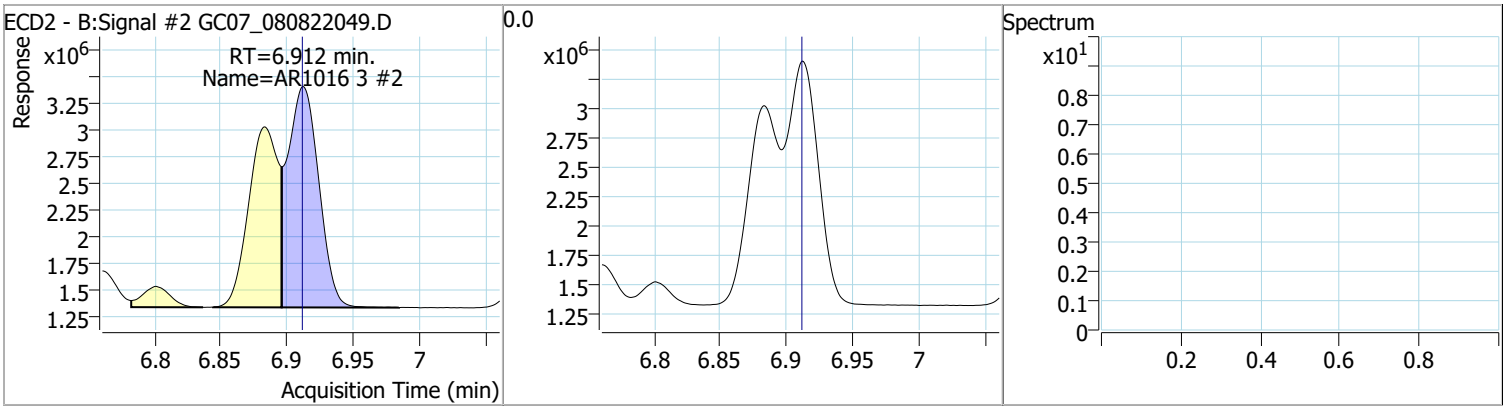
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1023.1079	6.35	0.00	2821249				



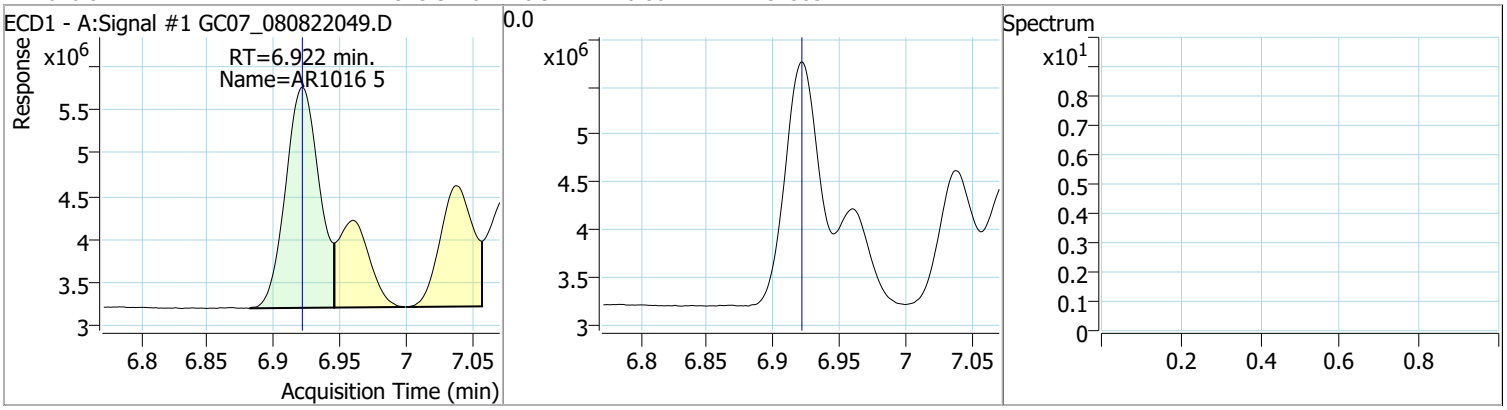
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	908.8531	6.44	0.00	5121298				



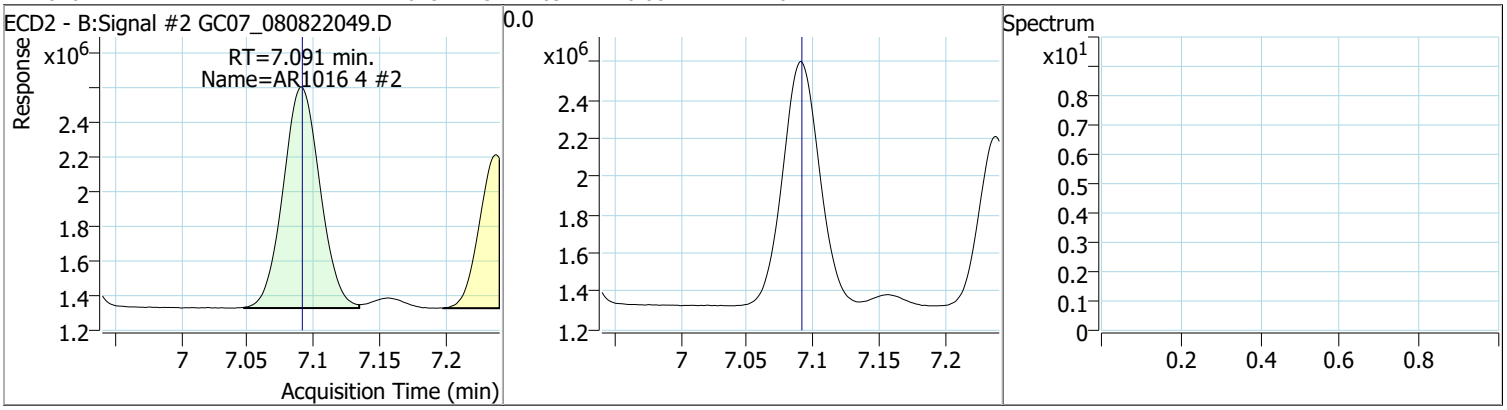
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1011.2134	6.91	0.00	3388312				



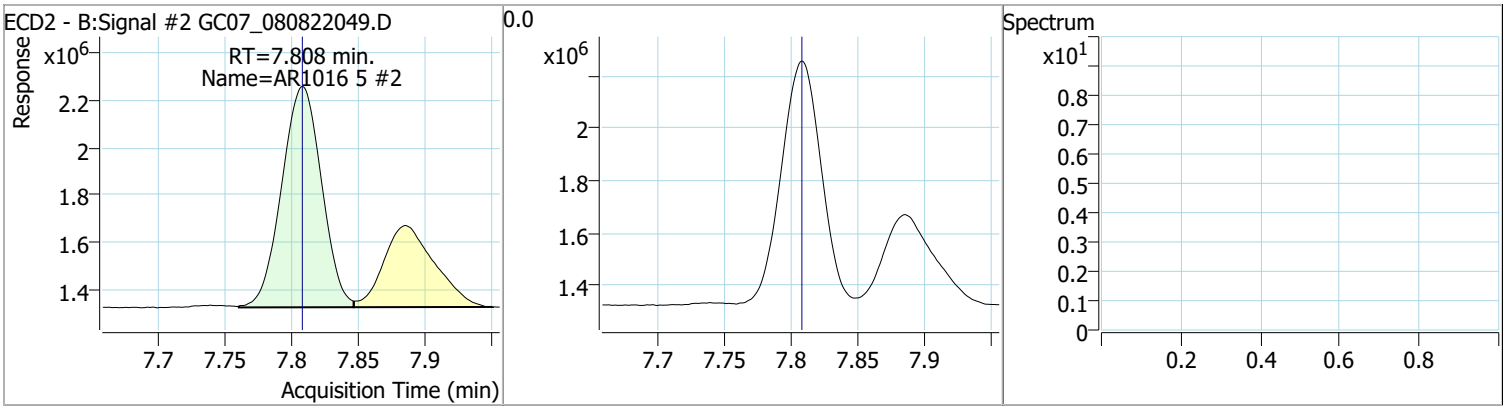
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	915.3220	6.92	0.00	4515857				



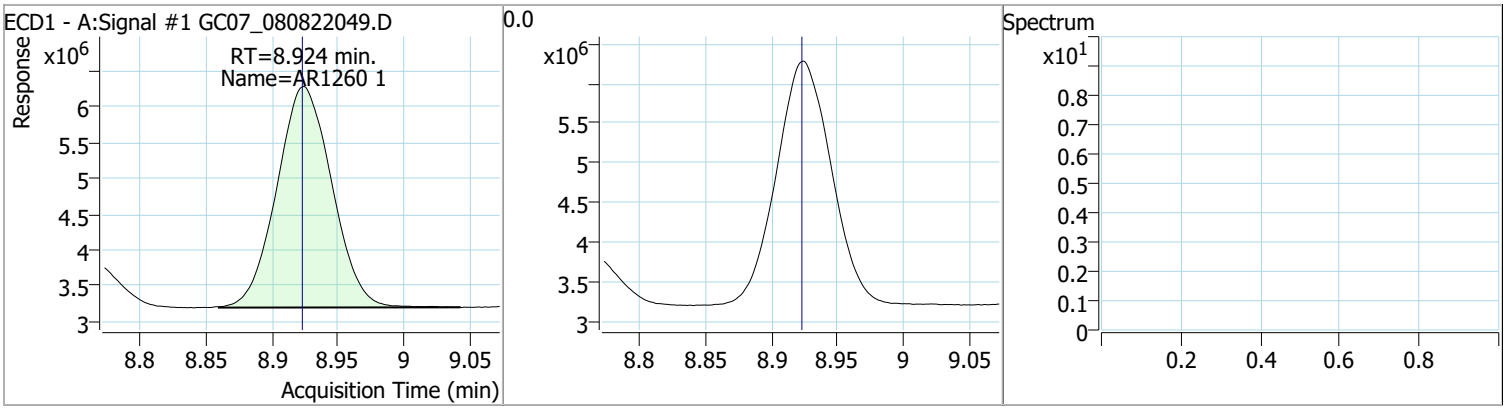
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1015.4245	7.09	0.00	2464421				



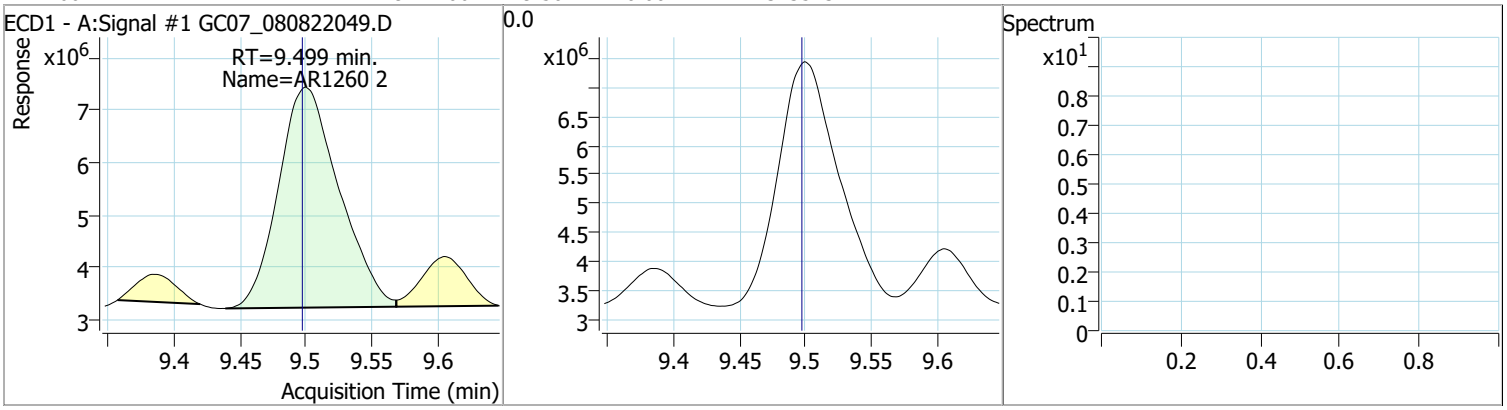
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1036.0138	7.81	0.00	1950132				



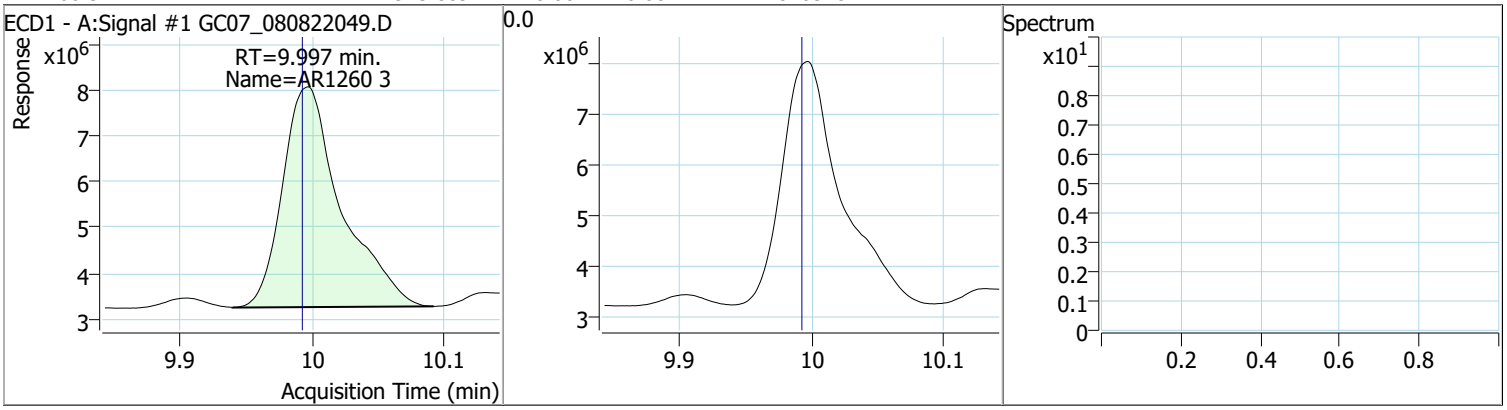
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	915.0543	8.92	0.00	8967621				



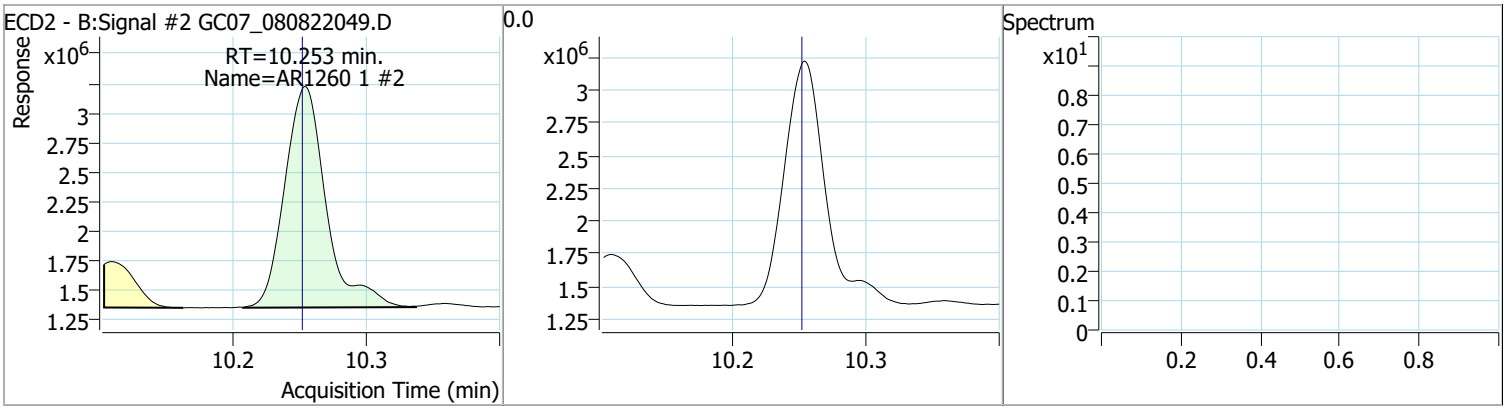
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	912.7067	9.50	0.00	13435734				



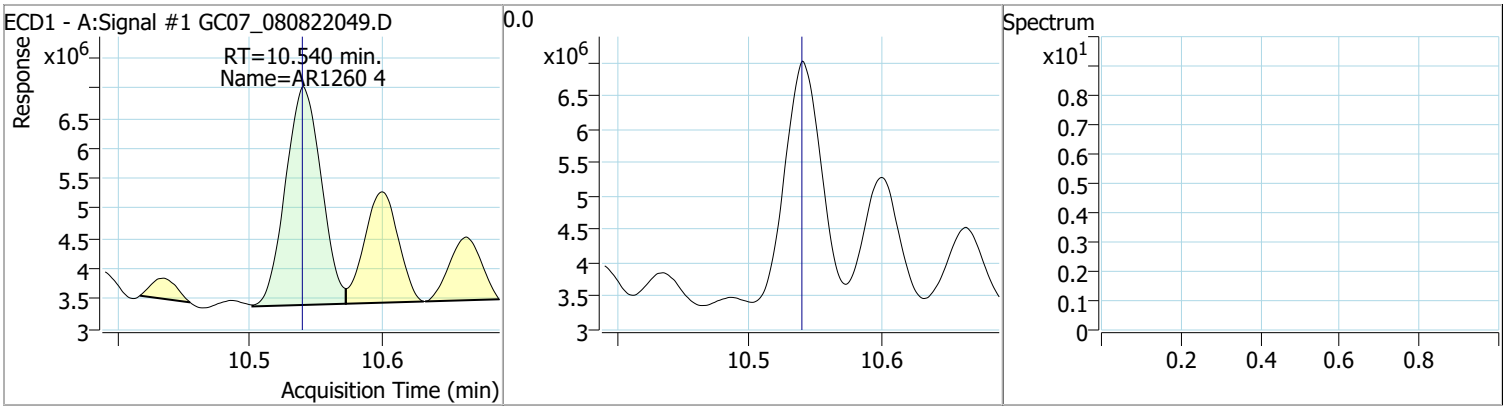
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	923.8891	10.00	0.00	14870328				



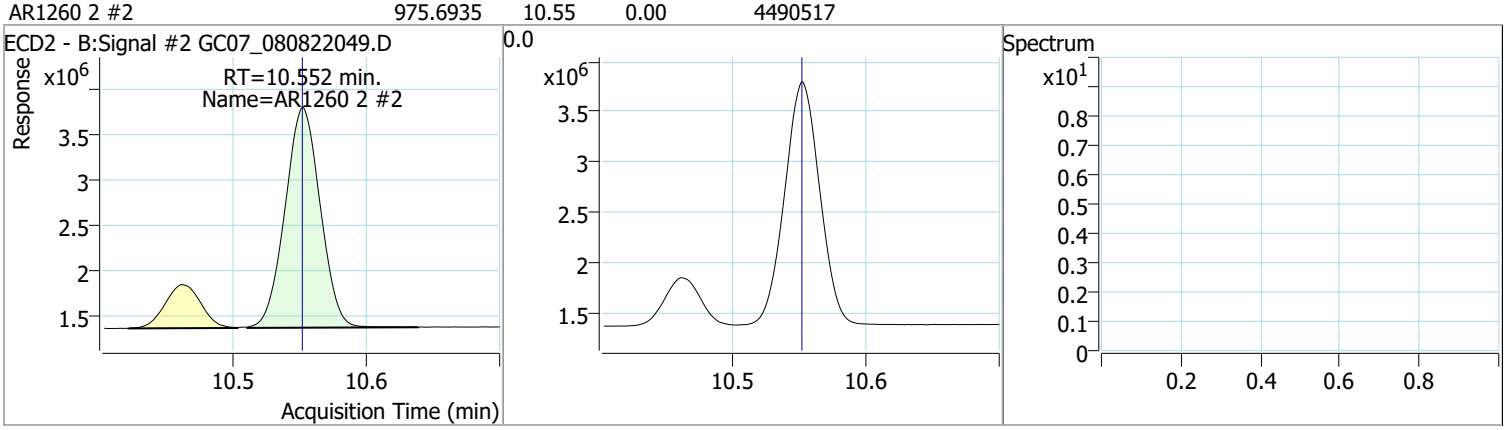
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1003.8218	10.25	0.00	4057321				



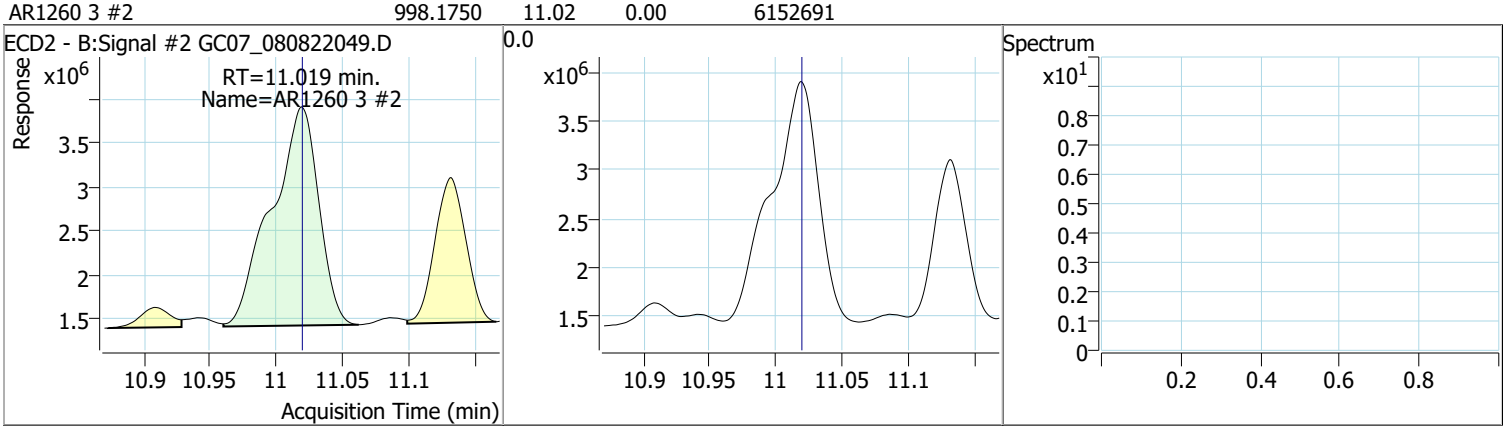
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	932.1141	10.54	0.00	6806484				



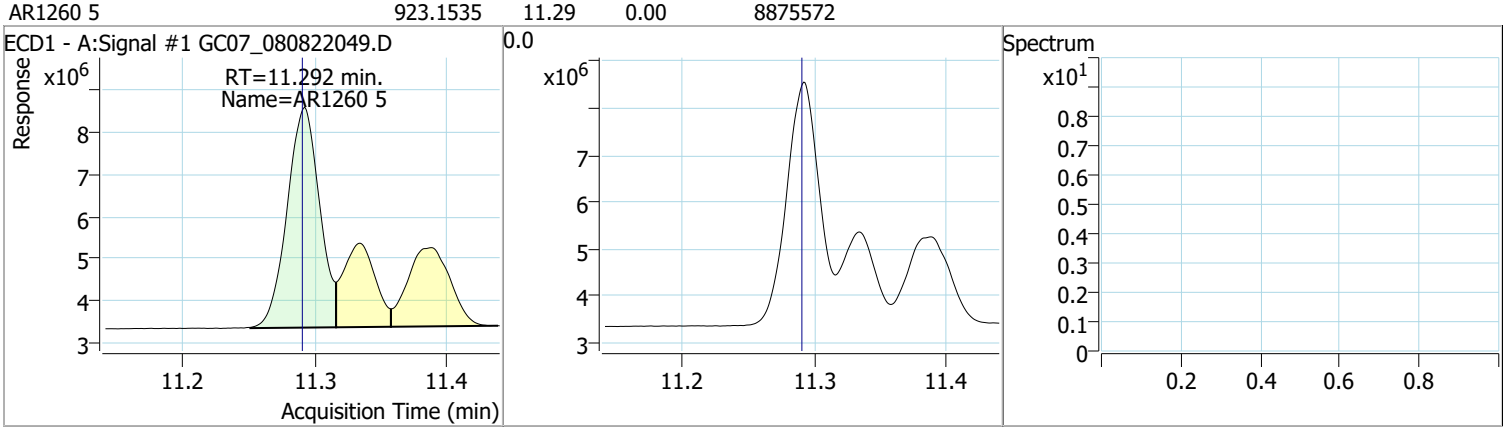
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	975.6935	10.55	0.00	4490517				



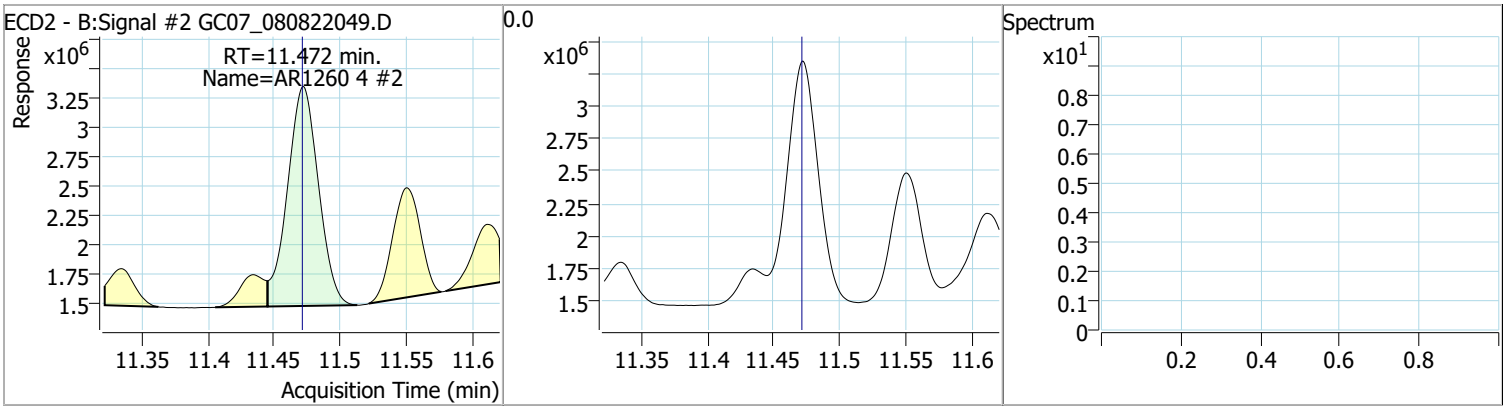
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	998.1750	11.02	0.00	6152691				



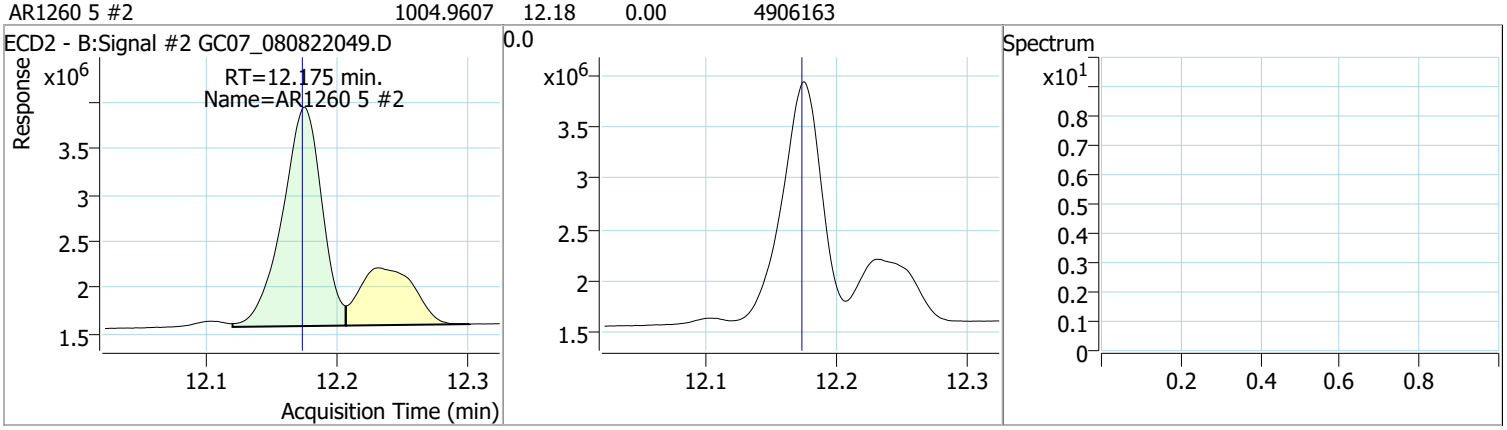
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	923.1535	11.29	0.00	8875572				



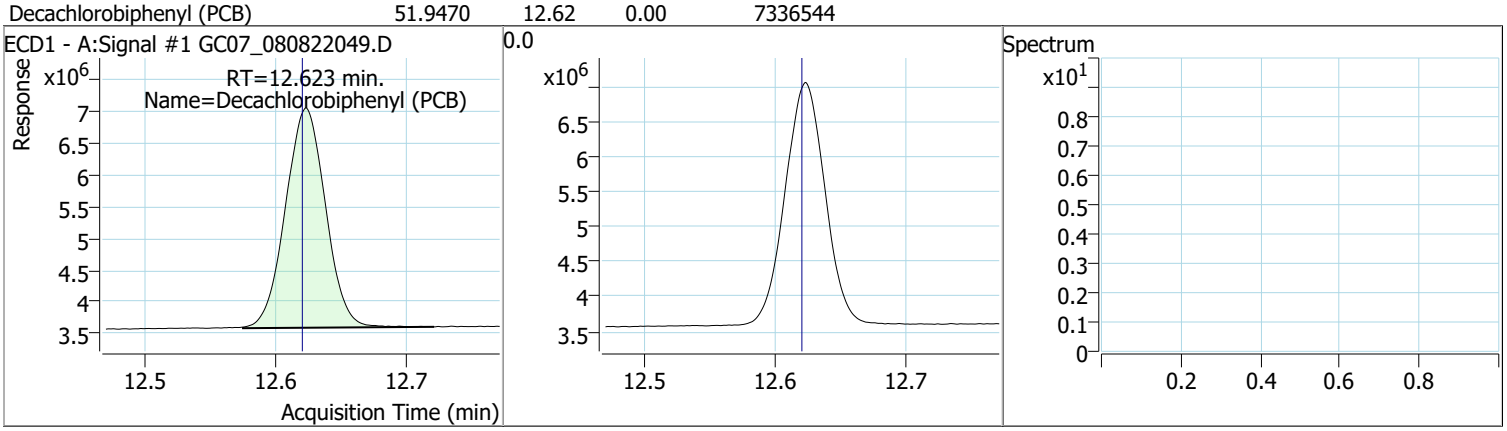
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1006.2106	11.47	0.00	3042526				



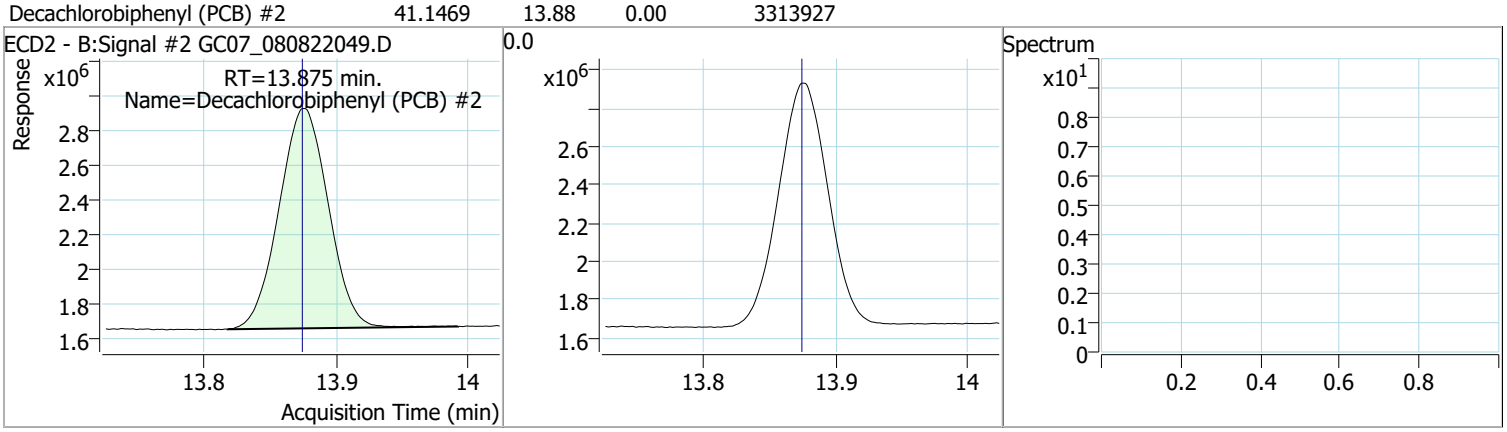
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1004.9607	12.18	0.00	4906163				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	51.9470	12.62	0.00	7336544				

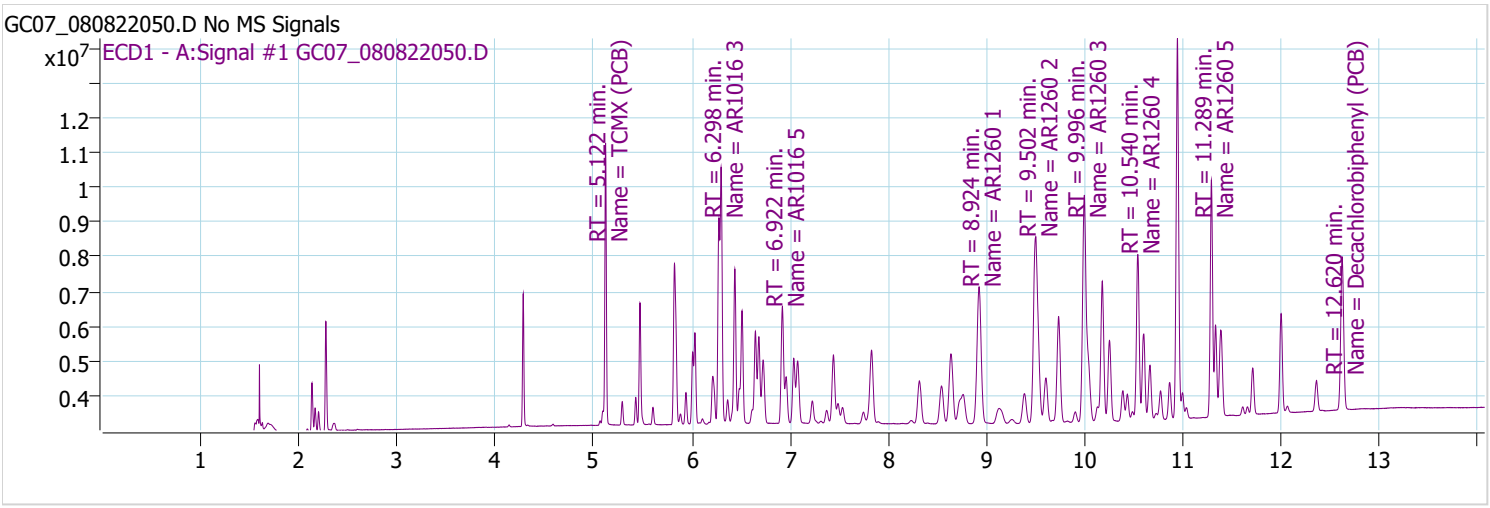


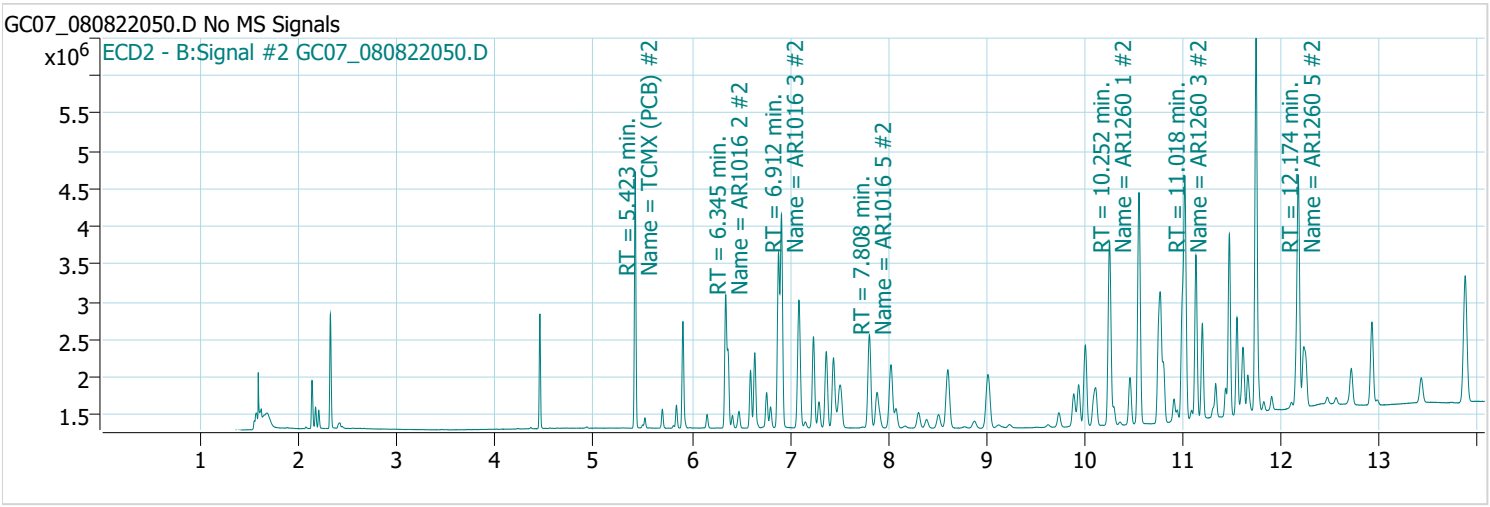
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	41.1469	13.88	0.00	3313927				



Quantitation Results Report (Not Reviewed)

Data File	GC07_080822050.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	8/9/2022 12:44:22 AM
Sample Name	ICAL, S16726, 1.33	Instrument	SVOA-GC07
Vial	98	Multiplier	1.00
DA Method File	PCB_608_080822_GC07_1.m	Comment	1500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	080822.batch.bin	Last Calib Update	8/9/2022 3:43:56 PM
Ref Library			



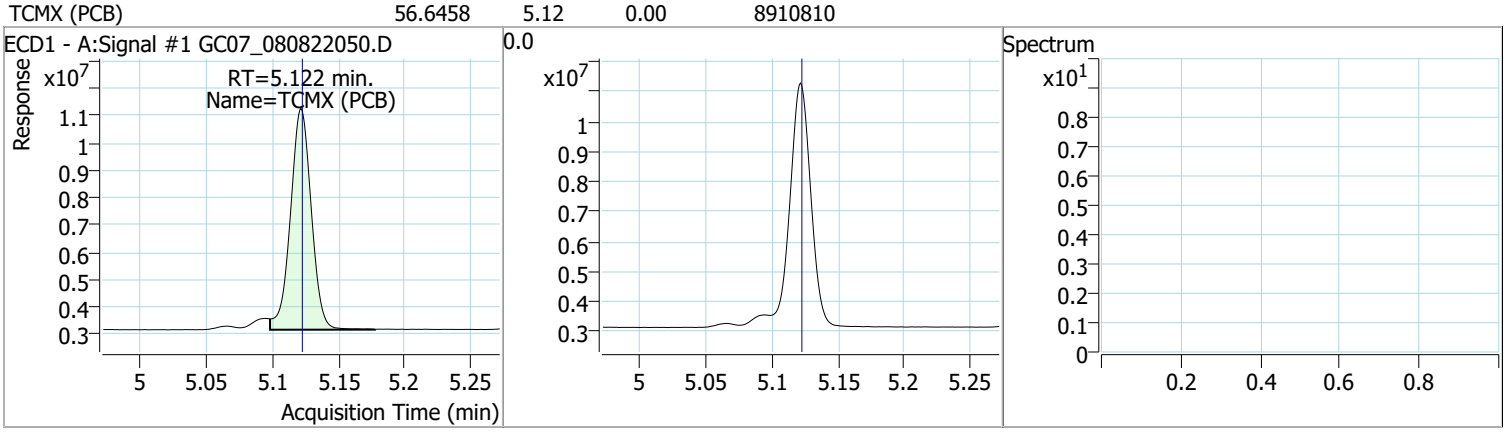


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.283	0.0	3592340.653	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.453	0.0	1356306.211	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.122	0.0	8910810.035	56.6458	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 283.23%		*	
S TCMX (PCB) #2	5.423	0.0	3639111.554	63.4992	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 317.50%		*	
S Decachlorobiphenyl (PCB)	12.620	0.0	9373235.095	73.6778	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 368.39%		*	
S Decachlorobiphenyl (PCB) #2	13.873	0.0	4262015.504	55.9998	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 280.00%		*	
Target Compounds							QValue

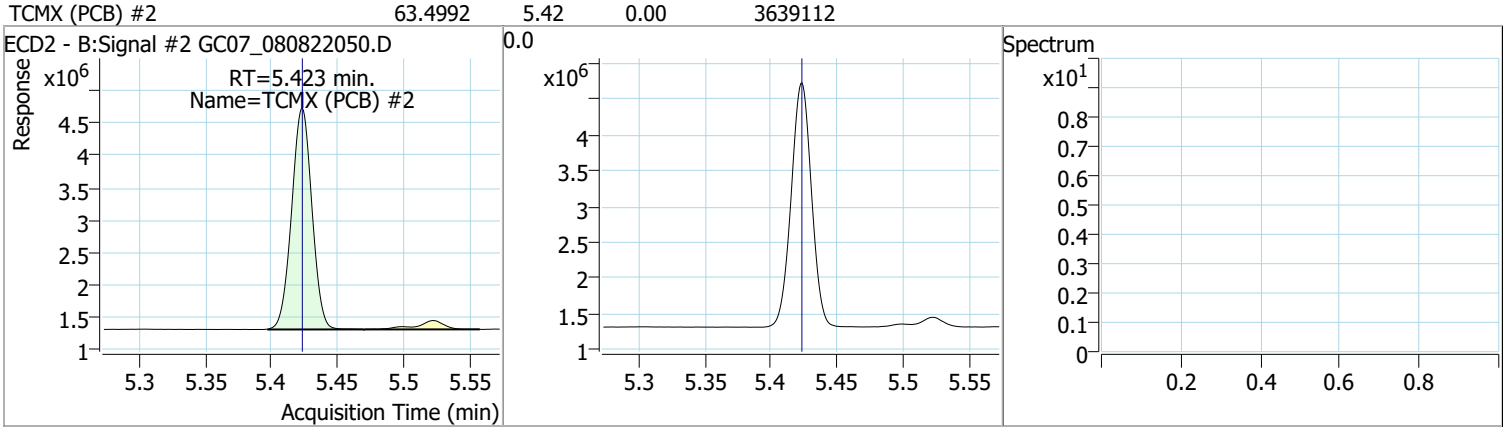
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.472	0.0	4321020.445	1342.1670	ng/ml	100
T AR1016 2	5.823	0.0	8459825.784	1314.3586	ng/ml	100
T AR1016 1 #2	5.909	0.0	1811753.634	1491.3619	ng/ml	100
T AR1016 3	6.298	0.0	10774120.091	1495.2119	ng/ml	100
T AR1016 2 #2	6.345	0.0	3806304.995	1460.6976	ng/ml	100
T AR1016 4	6.438	0.0	6848031.650	1328.7302	ng/ml	100
T AR1016 3 #2	6.912	0.0	4608817.991	1455.5451	ng/ml	100
T AR1016 5	6.922	0.0	6003536.481	1330.4490	ng/ml	100
T AR1016 4 #2	7.090	0.0	3322090.607	1448.5082	ng/ml	100
T AR1016 5 #2	7.808	0.0	2632417.117	1479.9019	ng/ml	100
T AR1260 1	8.924	0.0	11570238.779	1290.8311	ng/ml	100
T AR1260 2	9.502	0.0	17399810.077	1292.3251	ng/ml	100
T AR1260 3	9.996	0.0	19329116.041	1313.0120	ng/ml	100
T AR1260 1 #2	10.252	0.0	5356479.883	1402.4049	ng/ml	100
T AR1260 4	10.540	0.0	8828087.452	1321.8139	ng/ml	100
T AR1260 2 #2	10.552	0.0	5885511.307	1353.2496	ng/ml	100
T AR1260 3 #2	11.018	0.0	8098499.001	1390.3457	ng/ml	100
T AR1260 5	11.289	0.0	11506132.075	1308.4719	ng/ml	100
T AR1260 4 #2	11.473	0.0	3960554.197	1386.0763	ng/ml	100
T AR1260 5 #2	12.174	0.0	6367663.215	1380.2695	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

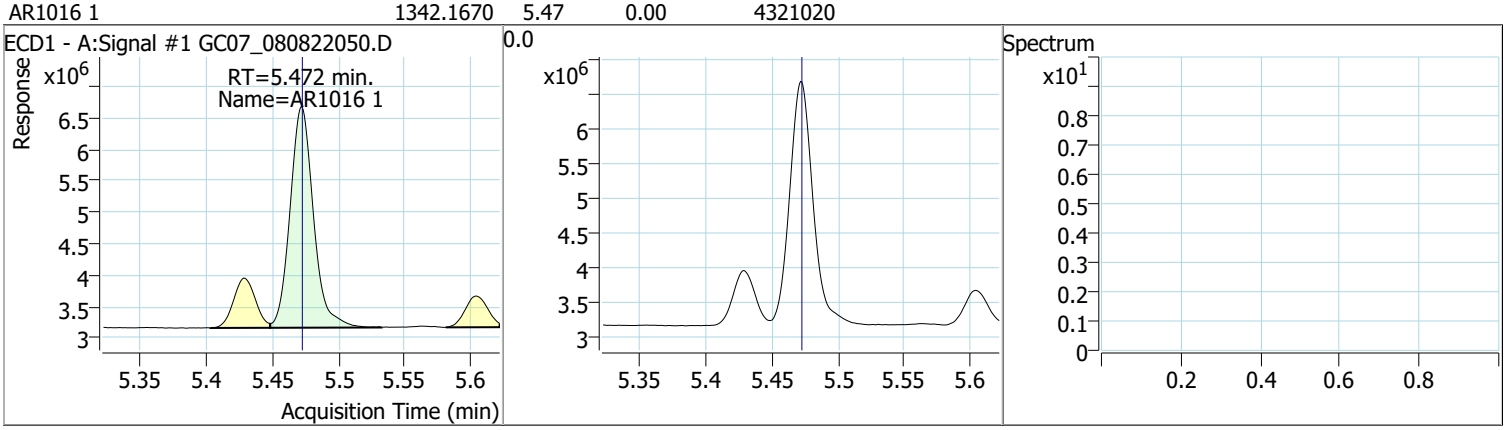
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	56.6458	5.12	0.00	8910810				



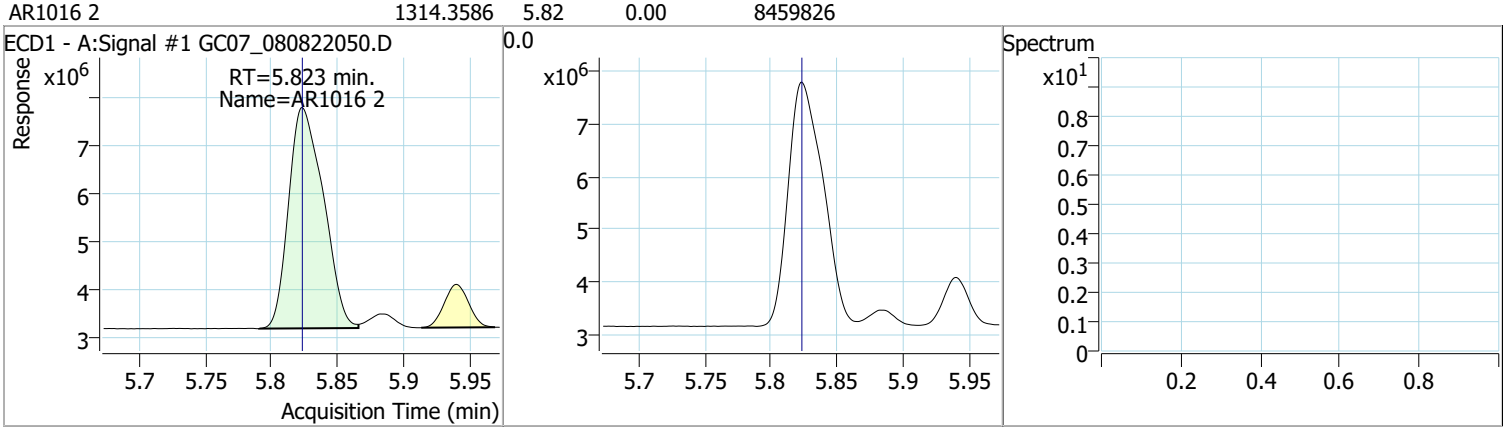
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	63.4992	5.42	0.00	3639112				



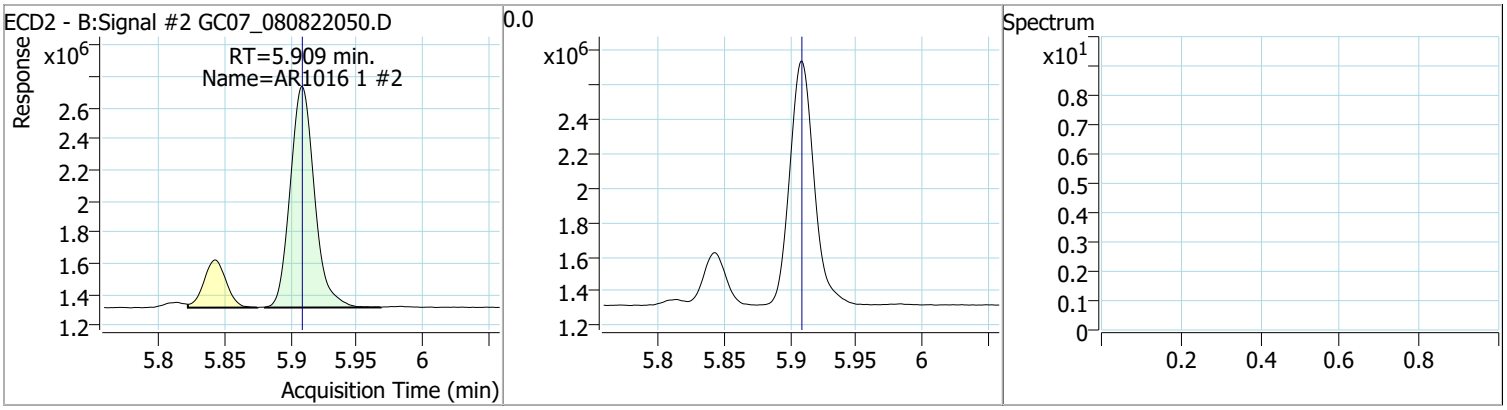
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1342.1670	5.47	0.00	4321020				



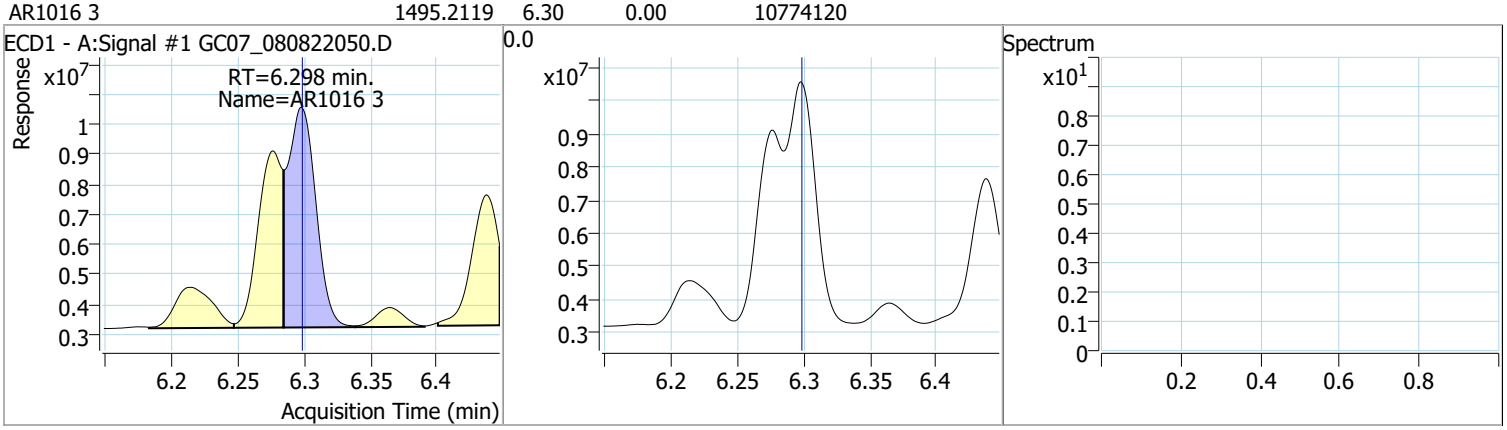
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1314.3586	5.82	0.00	8459826				



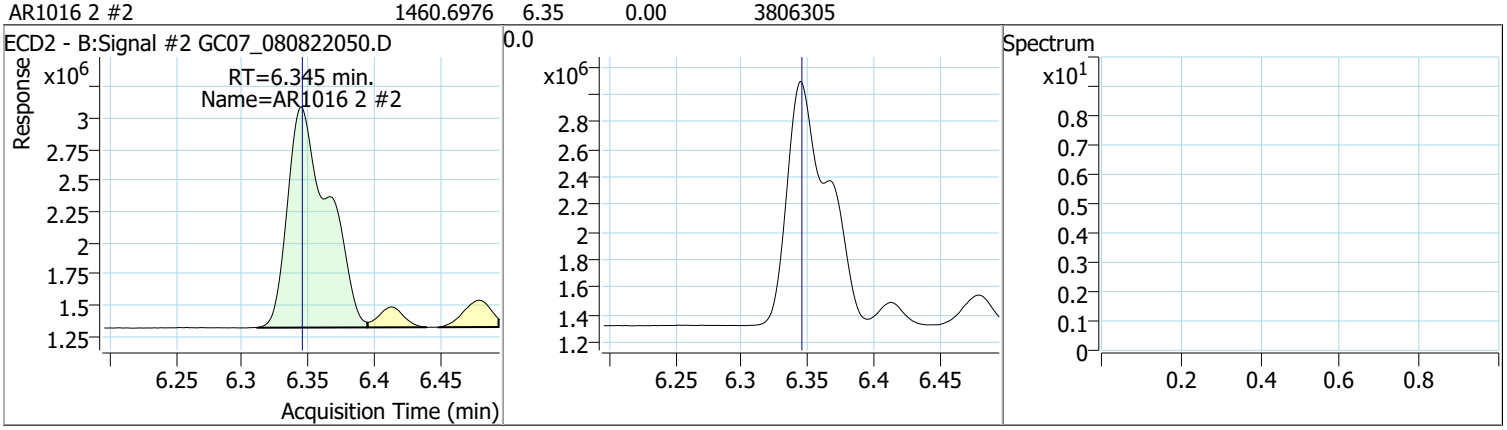
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1491.3619	5.91	0.00	1811754				



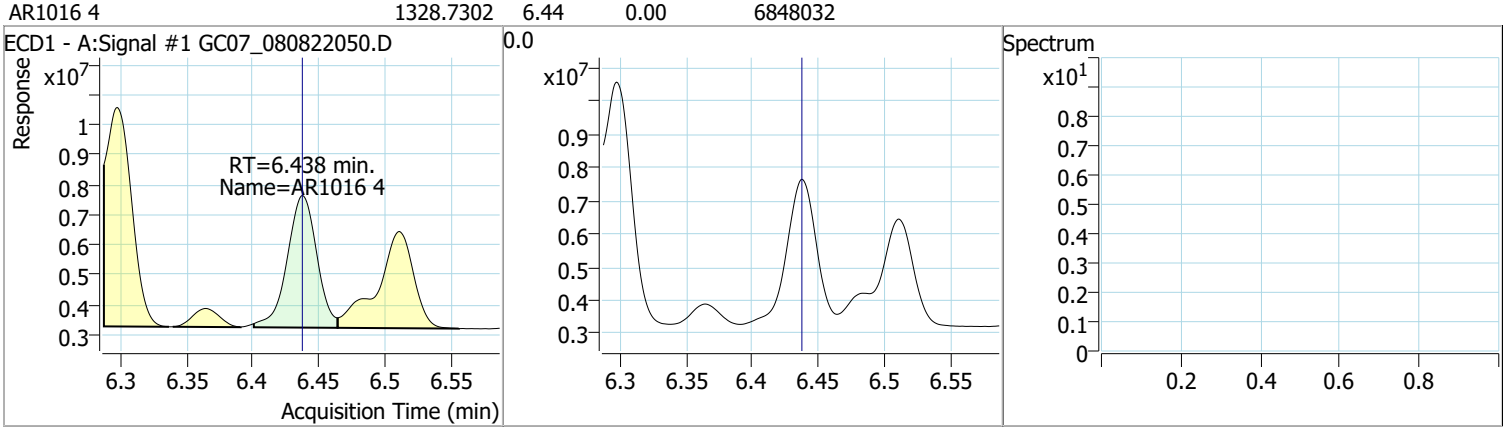
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1495.2119	6.30	0.00	10774120				



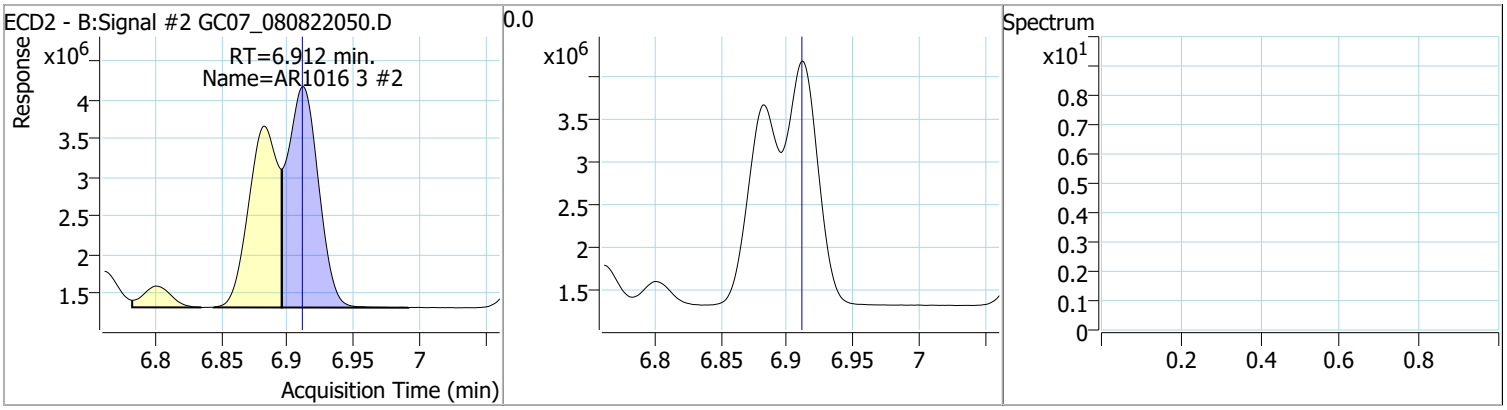
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1460.6976	6.35	0.00	3806305				



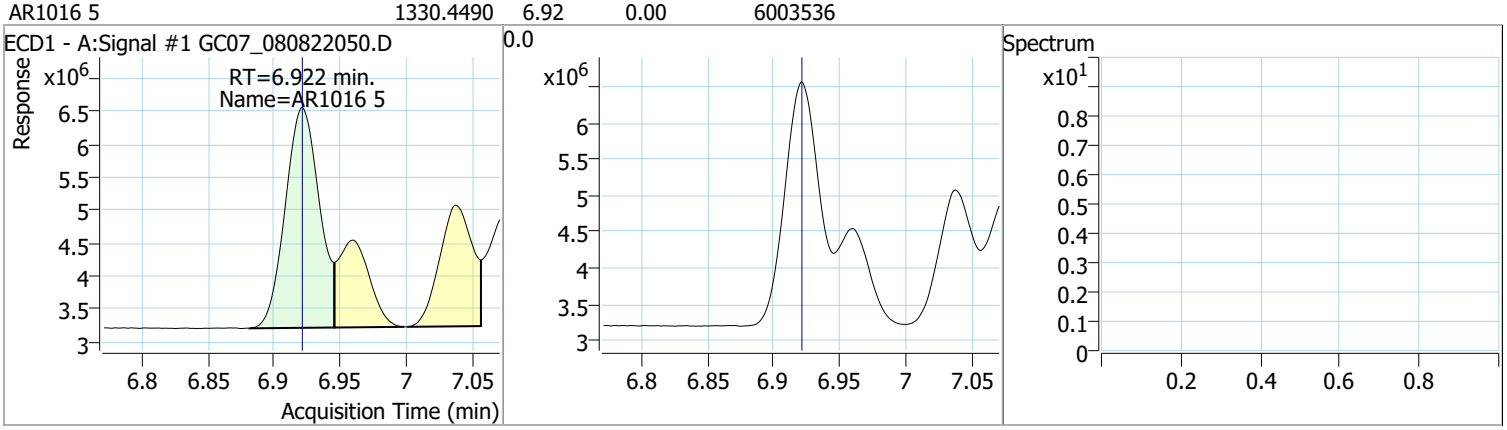
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1328.7302	6.44	0.00	6848032				



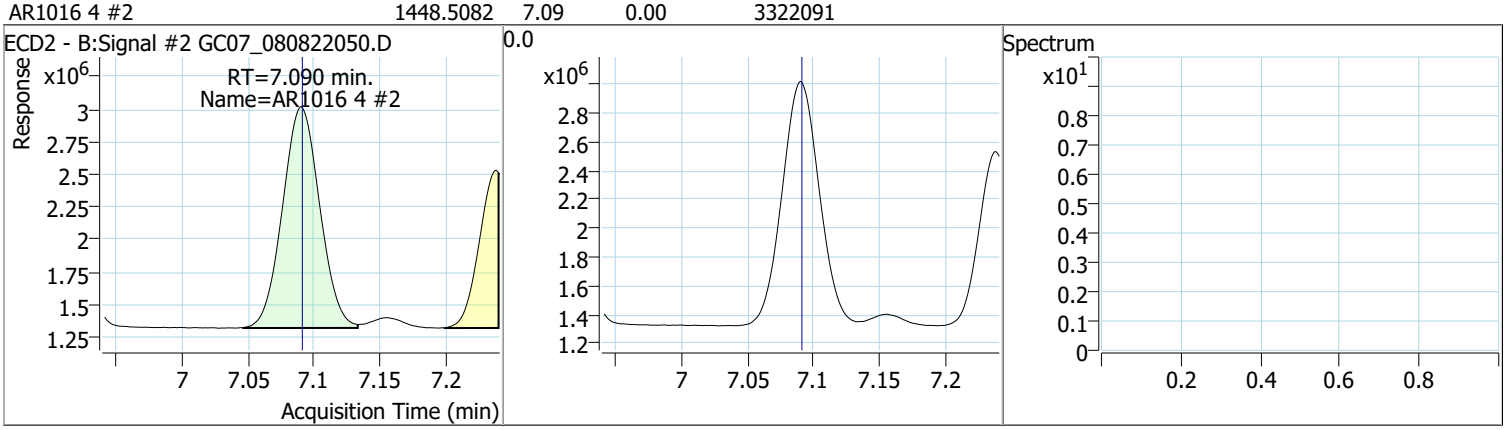
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1455.5451	6.91	0.00	4608818				



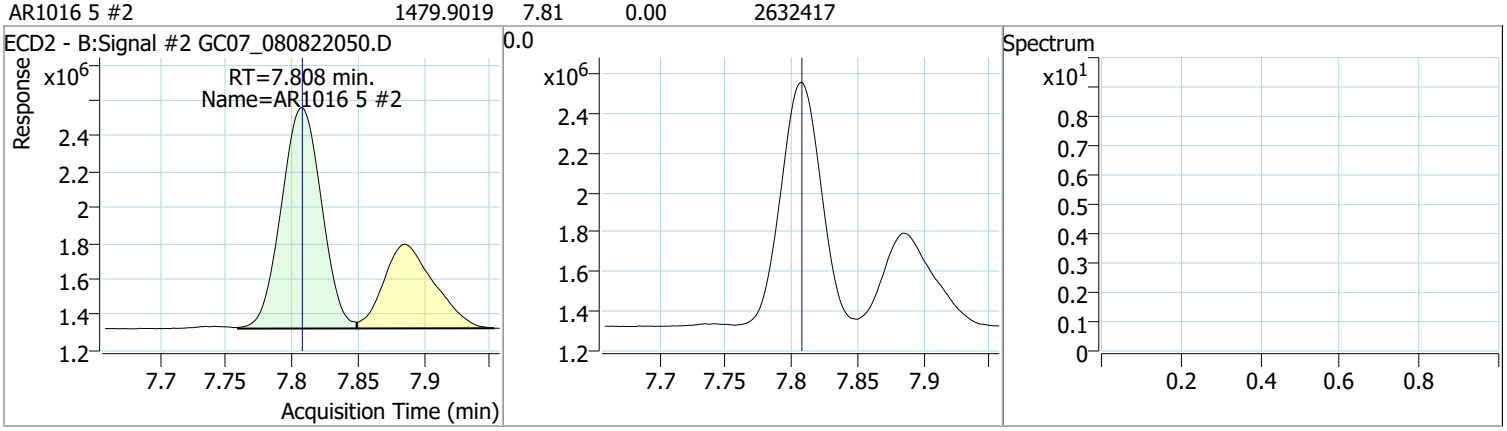
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1330.4490	6.92	0.00	6003536				



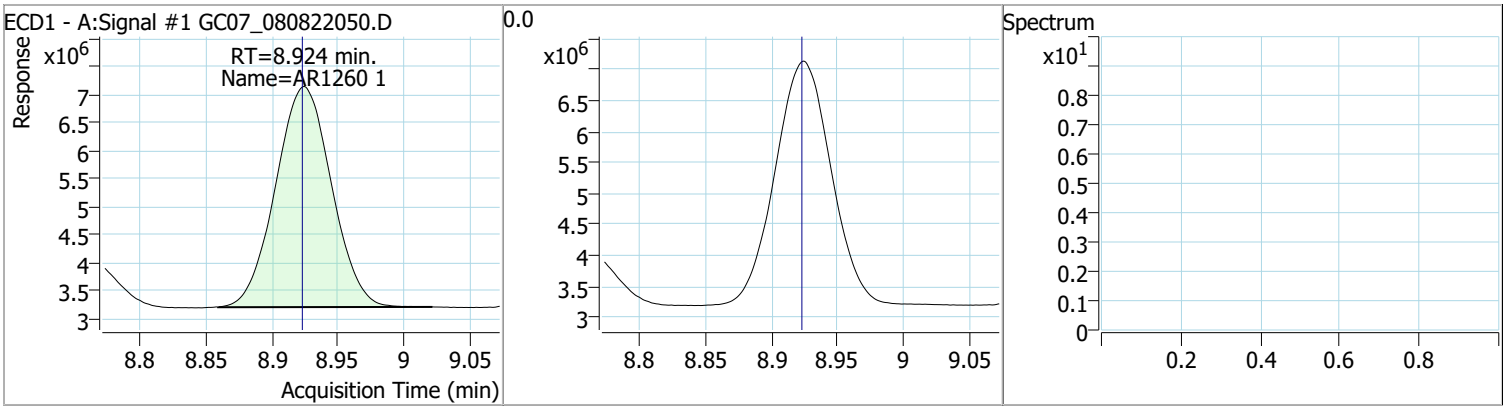
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1448.5082	7.09	0.00	3322091				



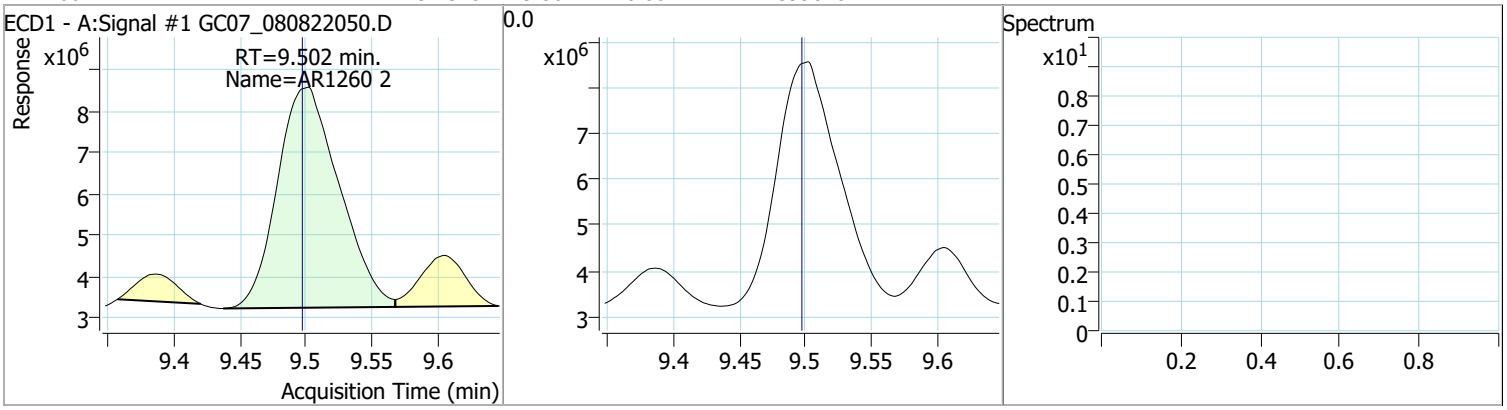
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1479.9019	7.81	0.00	2632417				



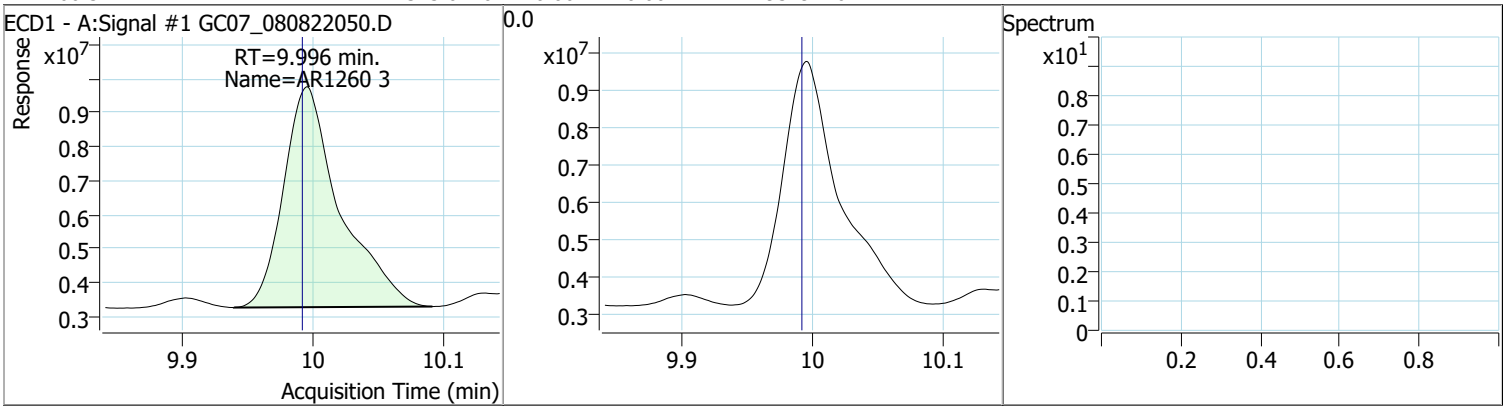
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1290.8311	8.92	0.00	11570239				



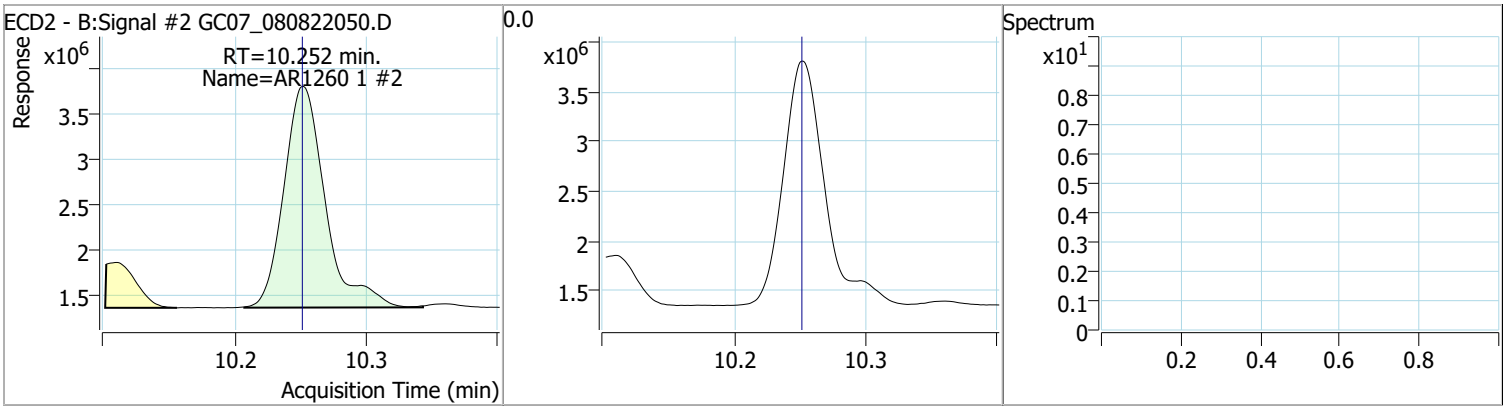
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1292.3251	9.50	0.00	17399810				



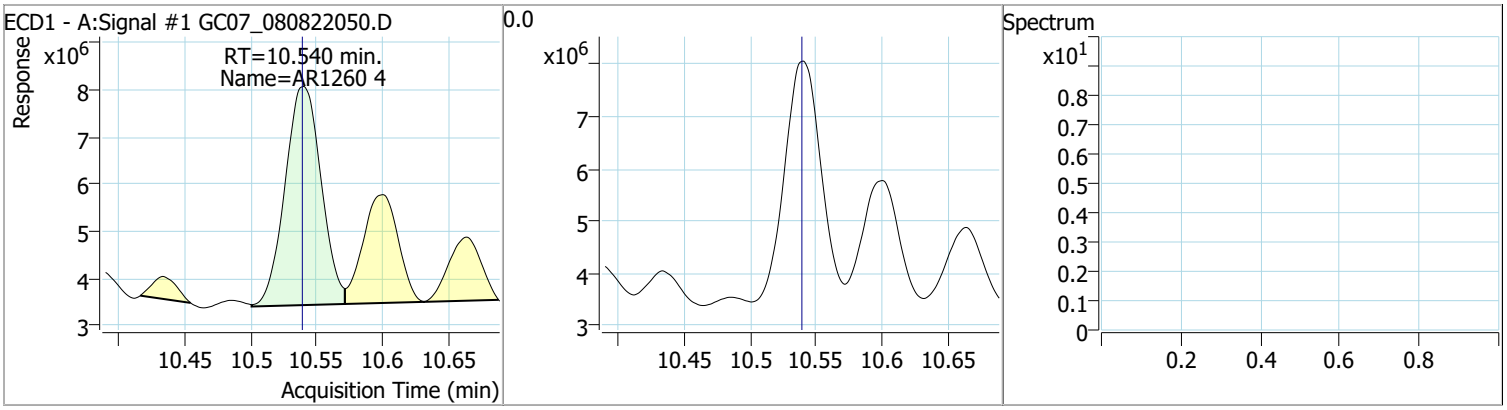
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1313.0120	10.00	0.00	19329116				



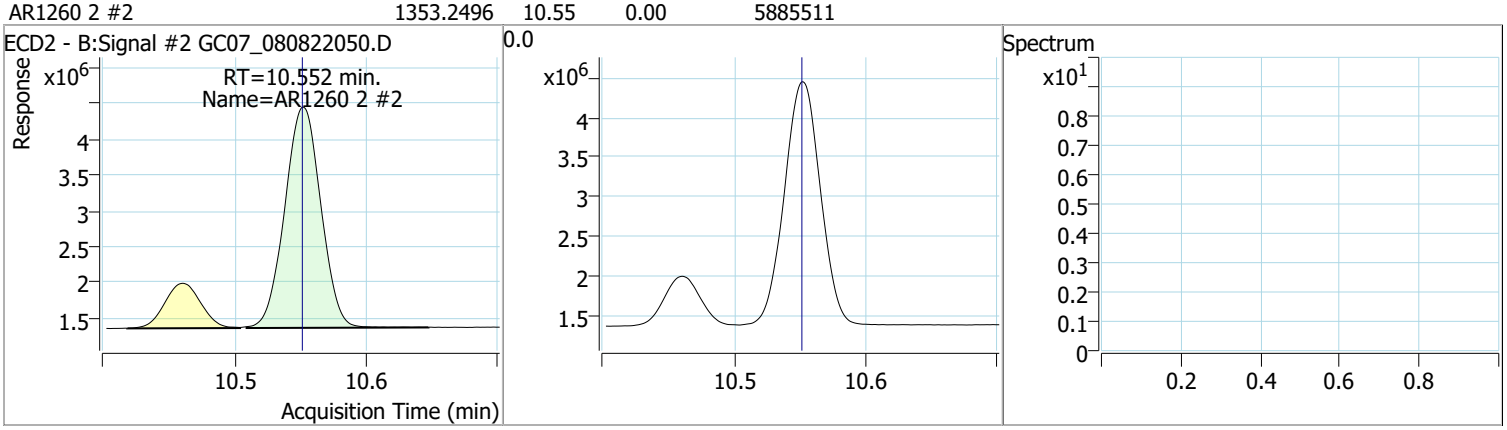
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1402.4049	10.25	0.00	5356480				



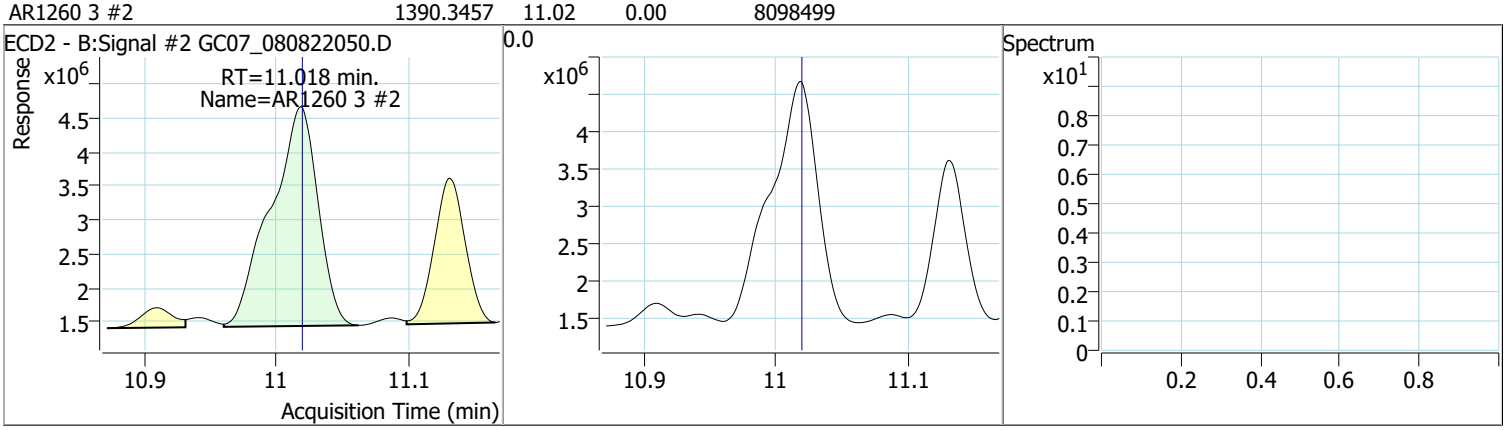
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1321.8139	10.54	0.00	8828087				



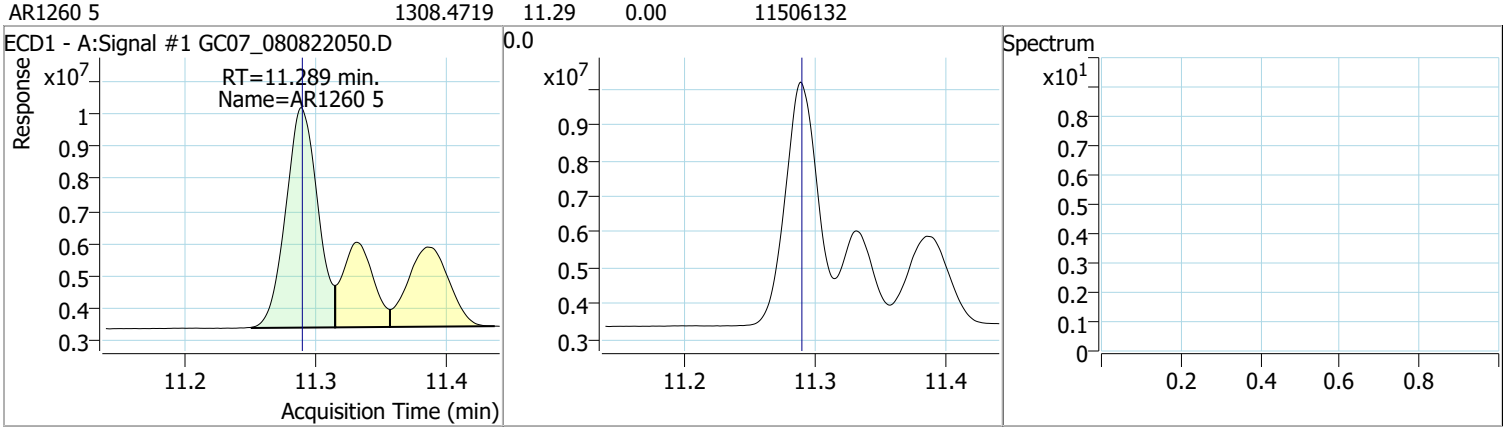
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1353.2496	10.55	0.00	5885511				



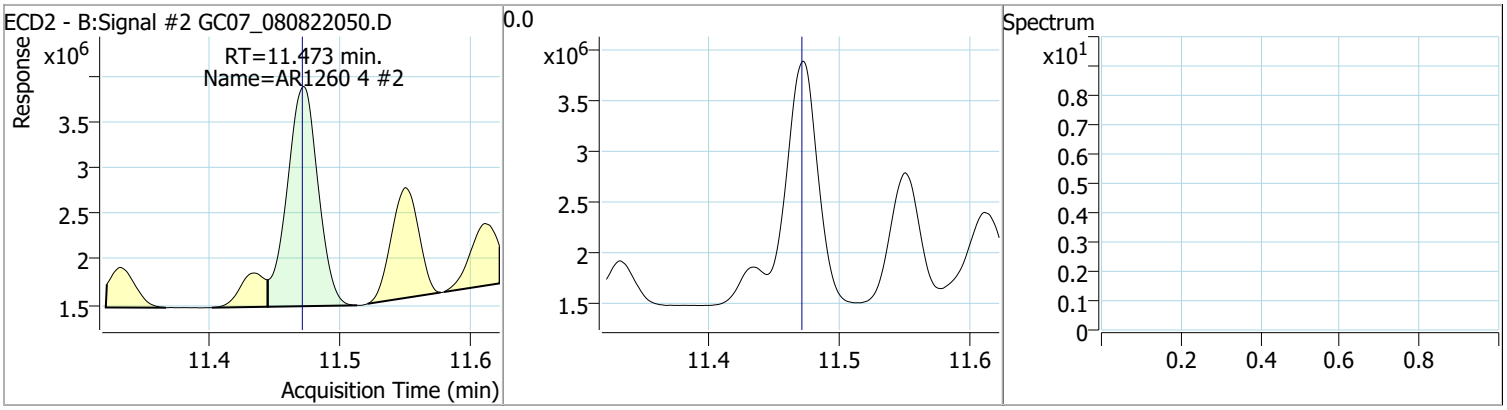
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1390.3457	11.02	0.00	8098499				



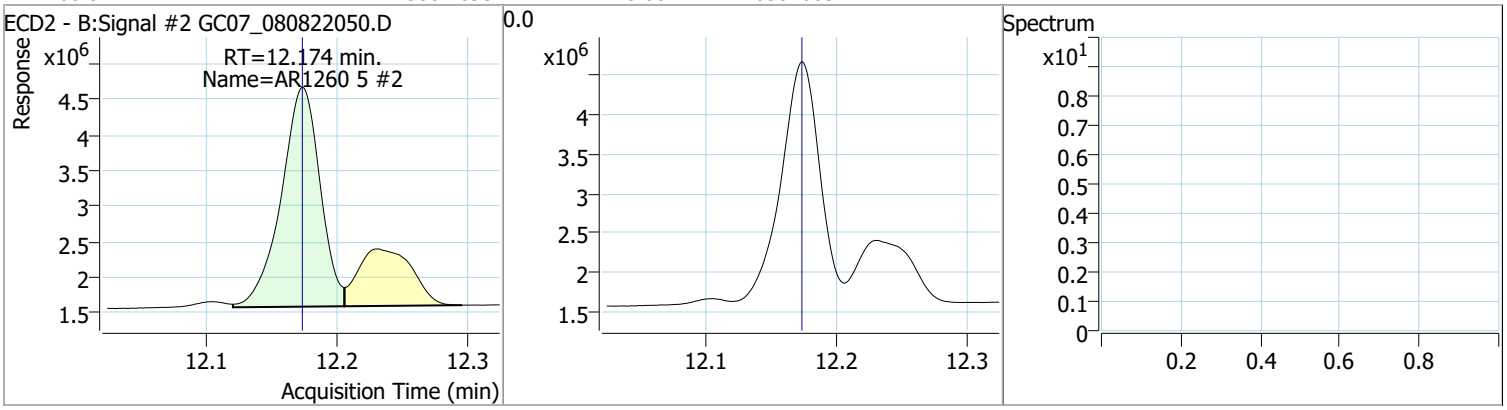
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1308.4719	11.29	0.00	11506132				



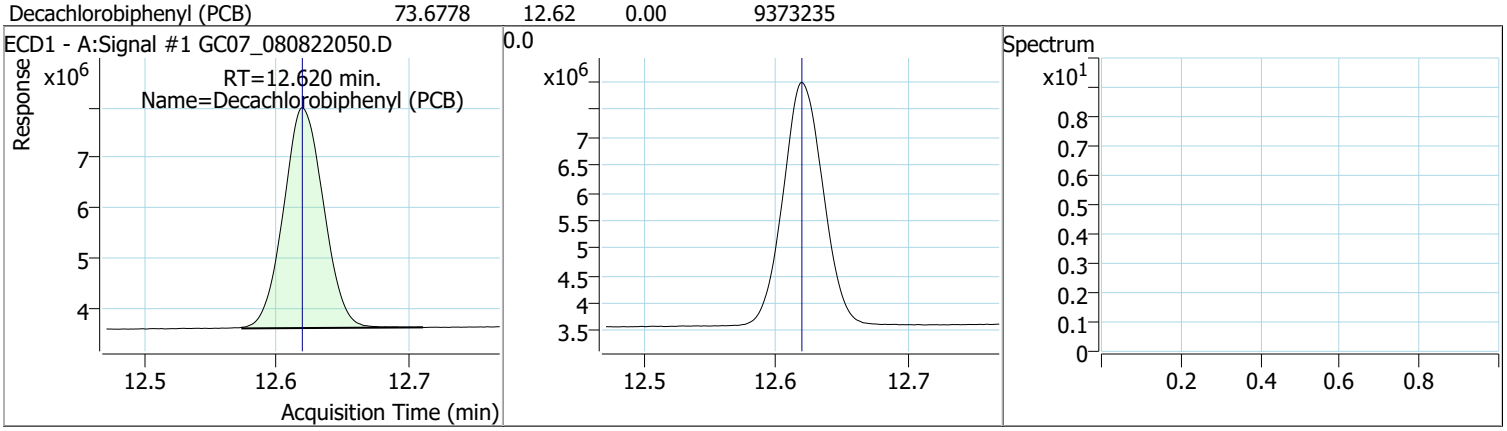
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1386.0763	11.47	0.00	3960554				



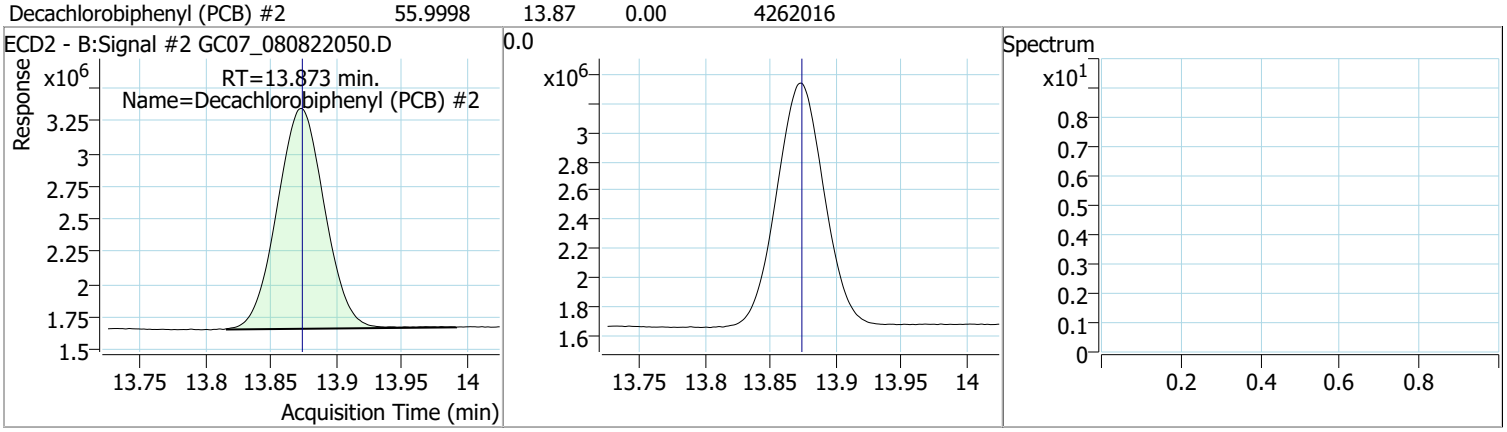
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1380.2695	12.17	0.00	6367663				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	73.6778	12.62	0.00	9373235				

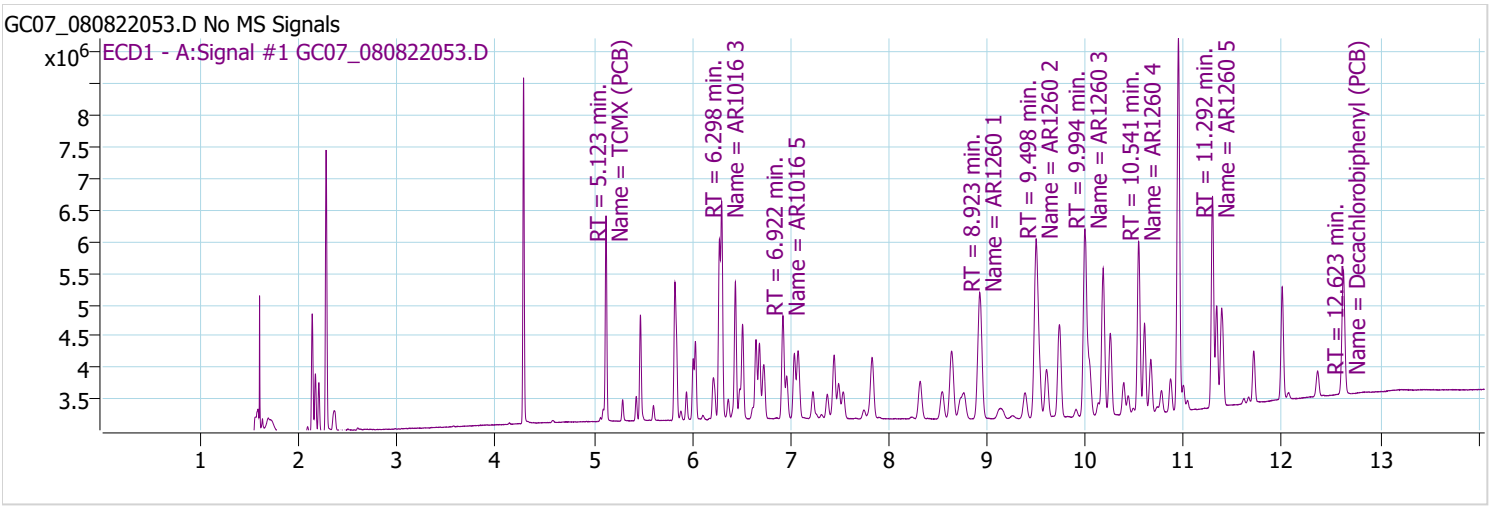


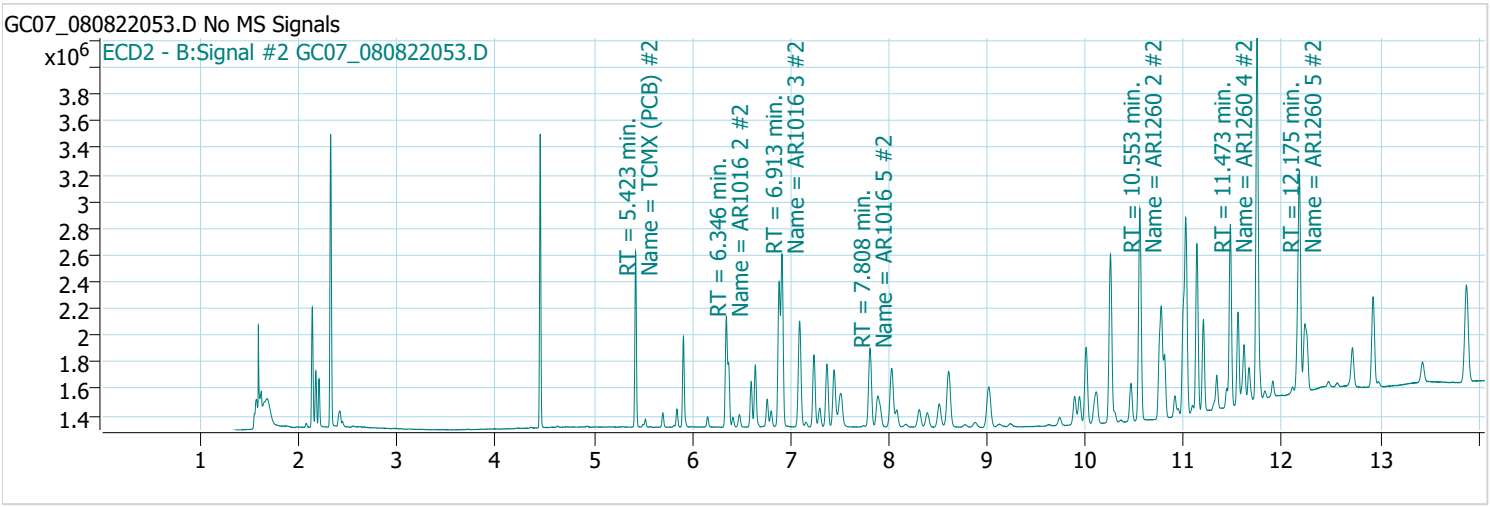
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	55.9998	13.87	0.00	4262016				



Quantitation Results Report (Not Reviewed)

Data File	GC07_080822053.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	8/9/2022 1:37:05 AM
Sample Name	ICV, S16460	Instrument	SVOA-GC07
Vial	100	Multiplier	1.00
DA Method File	PCB_608_080822_GC07_1.m	Comment	ICV PCB 500 PPB
Tune File	ATUNE.U	Tune Date	
Batch Name	080822.batch.bin	Last Calib Update	8/9/2022 3:43:56 PM
Ref Library			



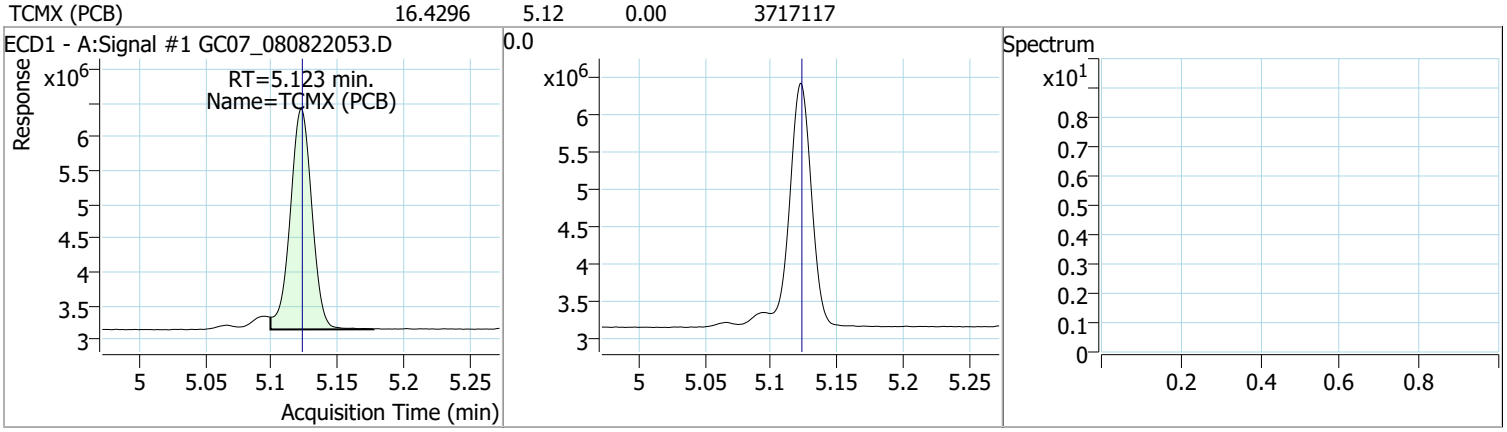


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.284	0.0	5166643.663	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.453	0.0	1928470.556	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.123	0.0	3717116.881	16.4296	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 82.15%		
S TCMX (PCB) #2	5.423	0.0	1431097.176	17.5625	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 87.81%		
S Decachlorobiphenyl (PCB)	12.623	0.0	4111507.449	20.5186	ng/ml	0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 102.59%		
S Decachlorobiphenyl (PCB) #2	13.874	0.0	1903621.871	17.5912	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 87.96%		
Target Compounds						QValue

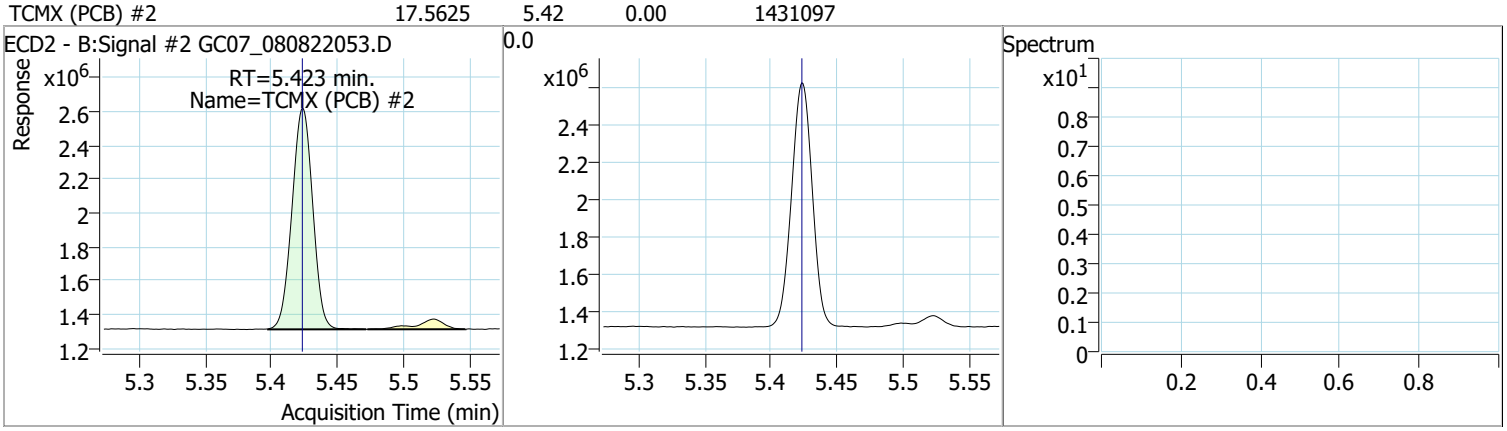
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.472	0.0	2061908.438	445.3061	ng/ml	100
T AR1016 2	5.823	0.0	4022074.221	434.4818	ng/ml	100
T AR1016 1 #2	5.909	0.0	850621.241	492.4531	ng/ml	100
T AR1016 3	6.298	0.0	4845738.607	514.6071	ng/ml	100
T AR1016 2 #2	6.346	0.0	1758929.930	474.7337	ng/ml	100
T AR1016 4	6.438	0.0	3258610.184	439.6150	ng/ml	100
T AR1016 3 #2	6.913	0.0	2075731.804	461.0543	ng/ml	100
T AR1016 5	6.922	0.0	2907130.218	447.9449	ng/ml	100
T AR1016 4 #2	7.092	0.0	1526561.329	468.1322	ng/ml	100
T AR1016 5 #2	7.808	0.0	1223363.150	483.7025	ng/ml	100
T AR1260 1	8.923	0.0	5967526.465	462.9035	ng/ml	100
T AR1260 2	9.498	0.0	8710663.989	449.8291	ng/ml	100
T AR1260 3	9.994	0.0	9174636.967	433.3258	ng/ml	100
T AR1260 1 #2	10.254	0.0	2607627.695	480.1581	ng/ml	100
T AR1260 4	10.541	0.0	5061600.050	526.9392	ng/ml	100
T AR1260 2 #2	10.553	0.0	2945375.634	476.2984	ng/ml	100
T AR1260 3 #2	11.019	0.0	3730684.361	450.4551	ng/ml	100
T AR1260 5	11.292	0.0	5916533.736	467.8120	ng/ml	100
T AR1260 4 #2	11.473	0.0	2217997.052	545.9299	ng/ml	100
T AR1260 5 #2	12.175	0.0	3431728.511	523.1683	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

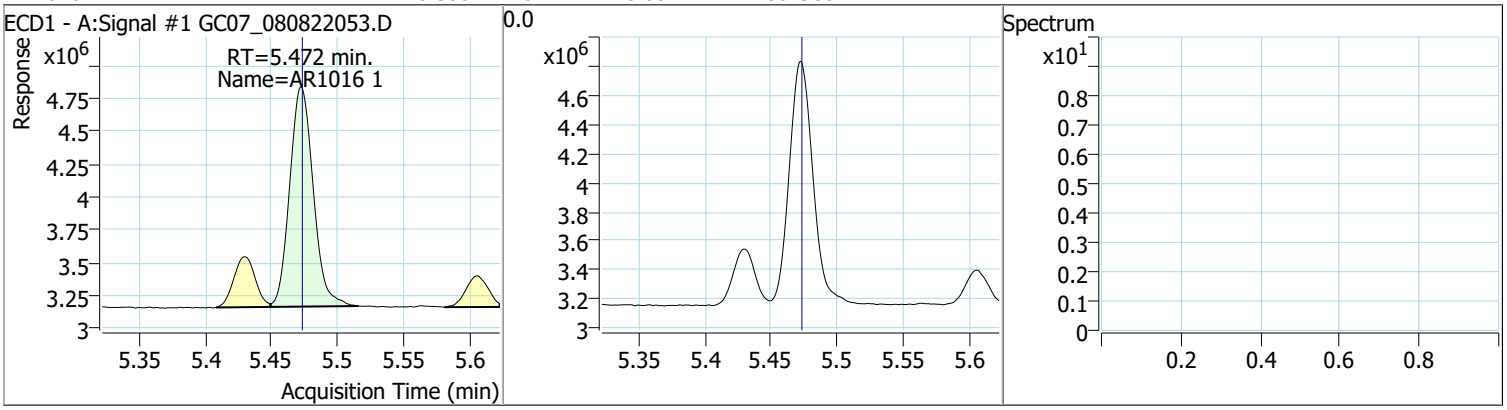
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	16.4296	5.12	0.00	3717117				



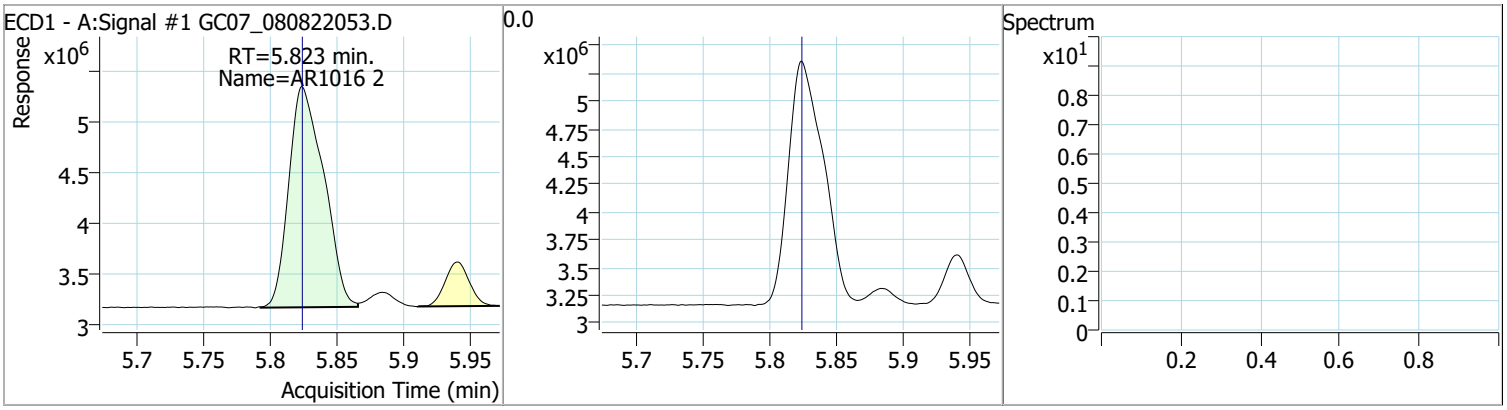
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	17.5625	5.42	0.00	1431097				



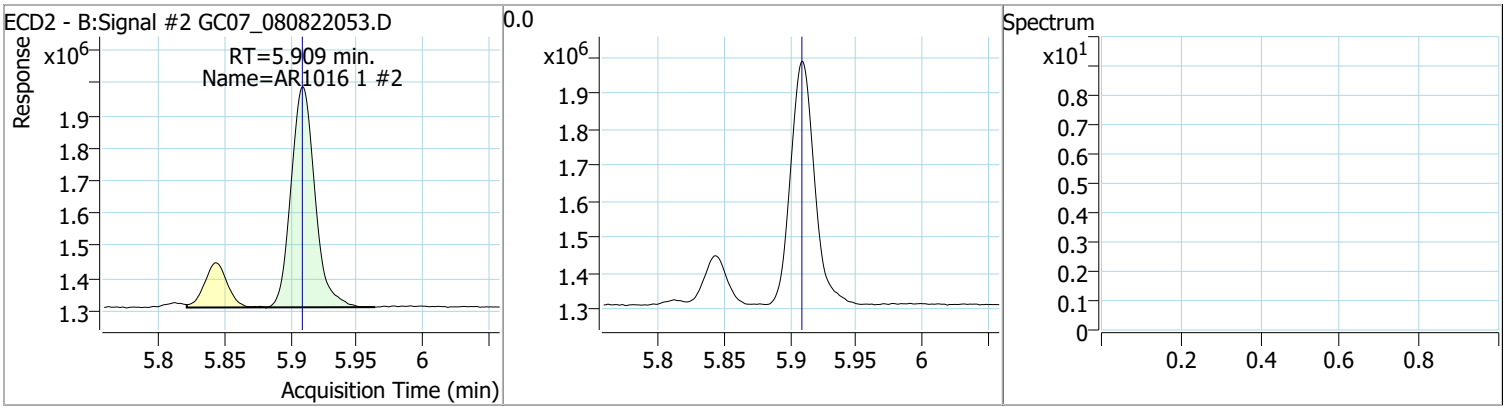
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	445.3061	5.47	0.00	2061908				



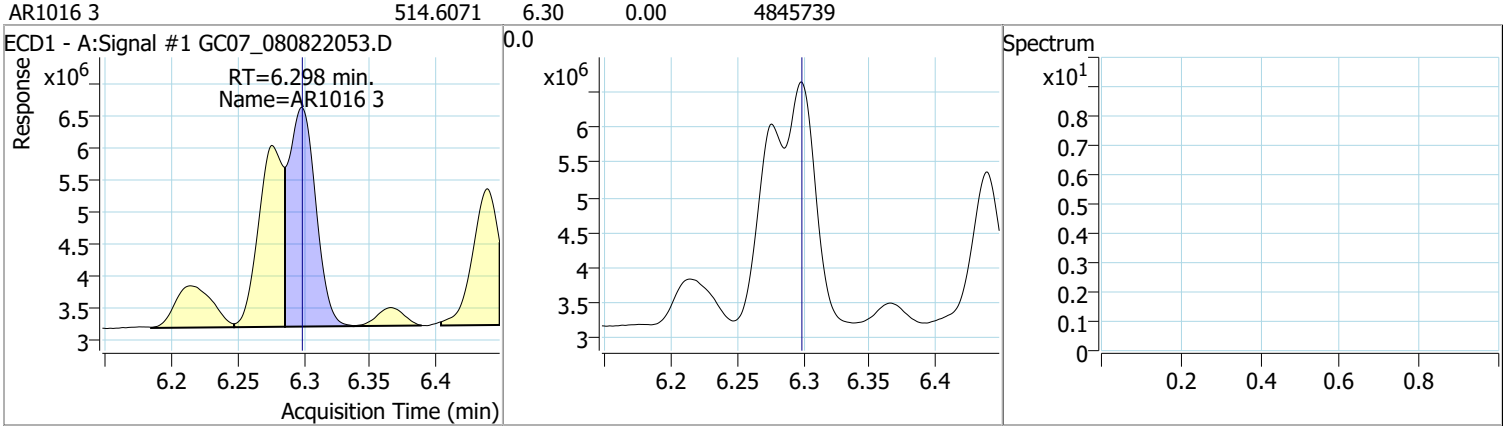
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	434.4818	5.82	0.00	4022074				



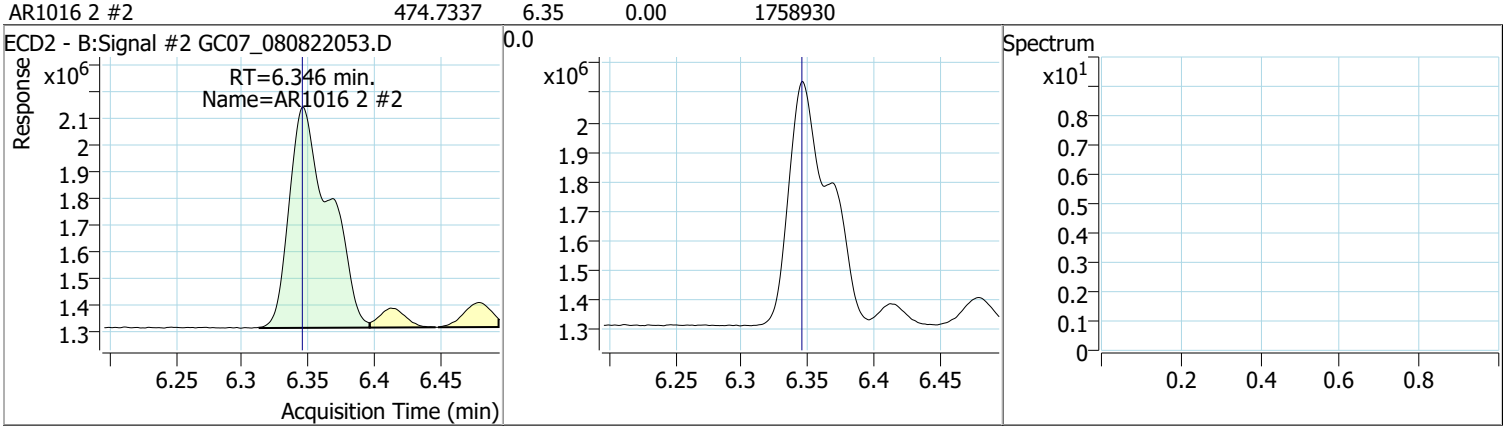
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	492.4531	5.91	0.00	850621				



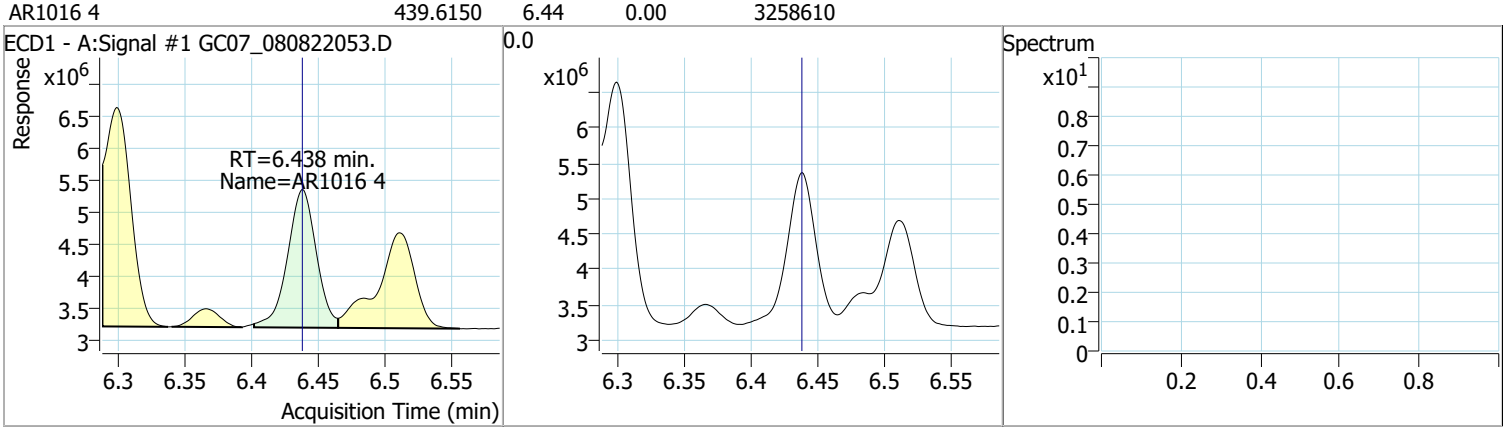
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	514.6071	6.30	0.00	4845739				



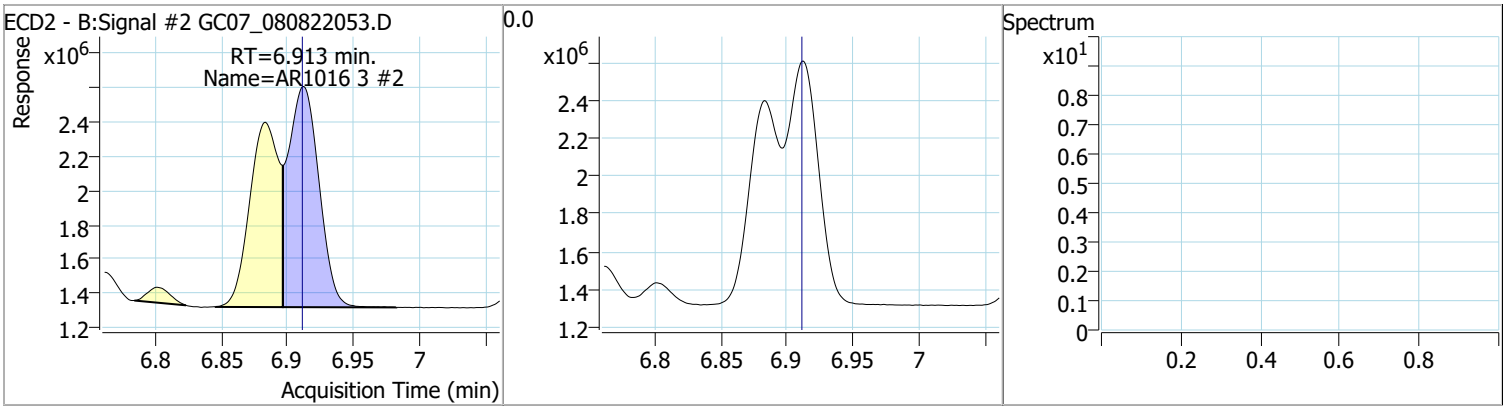
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	474.7337	6.35	0.00	1758930				



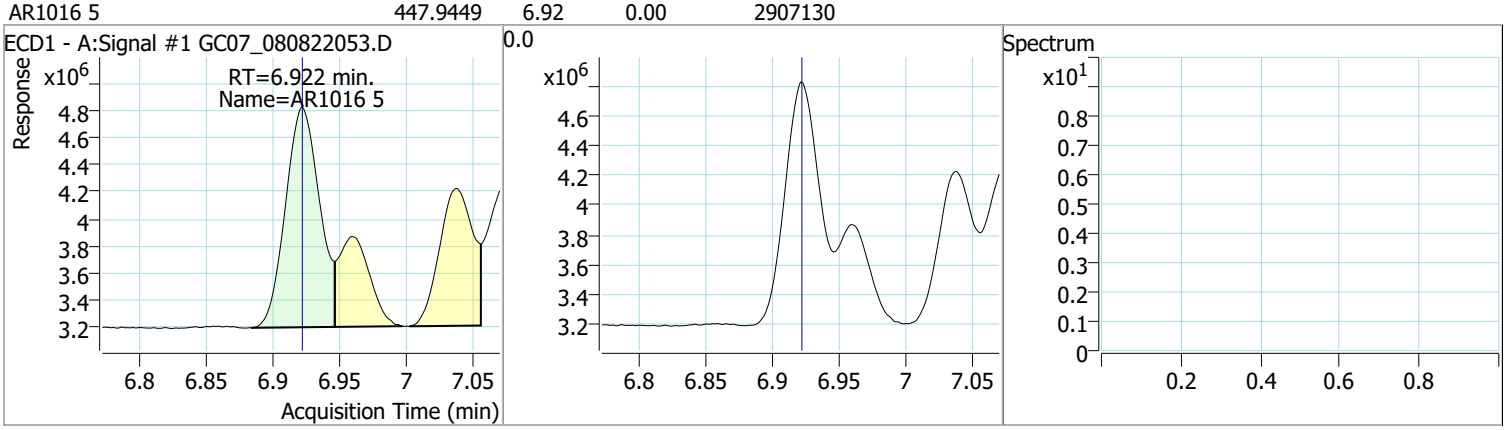
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	439.6150	6.44	0.00	3258610				



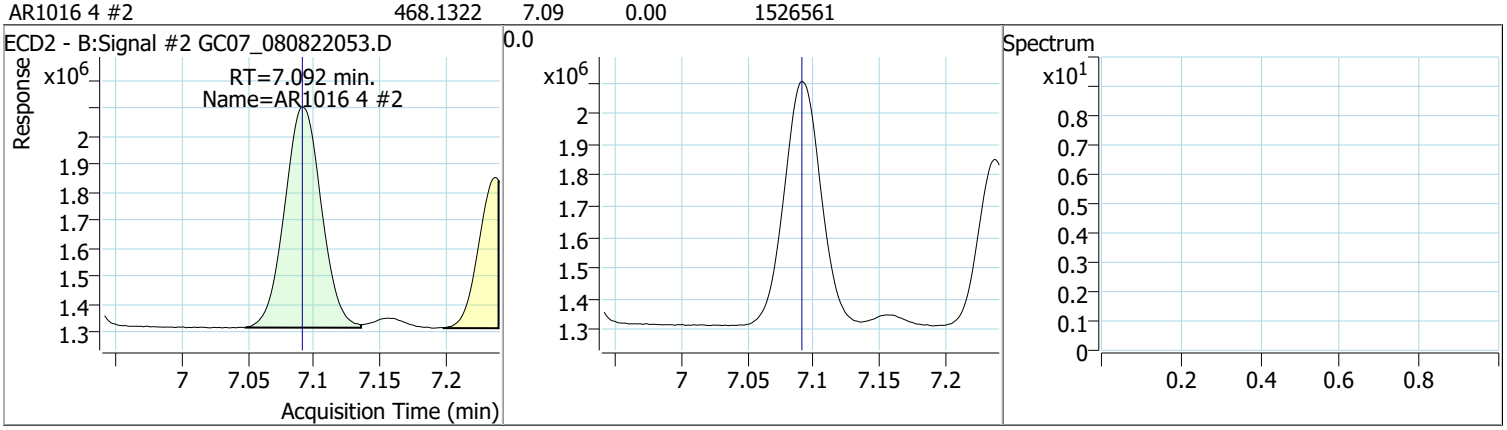
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	461.0543	6.91	0.00	2075732				



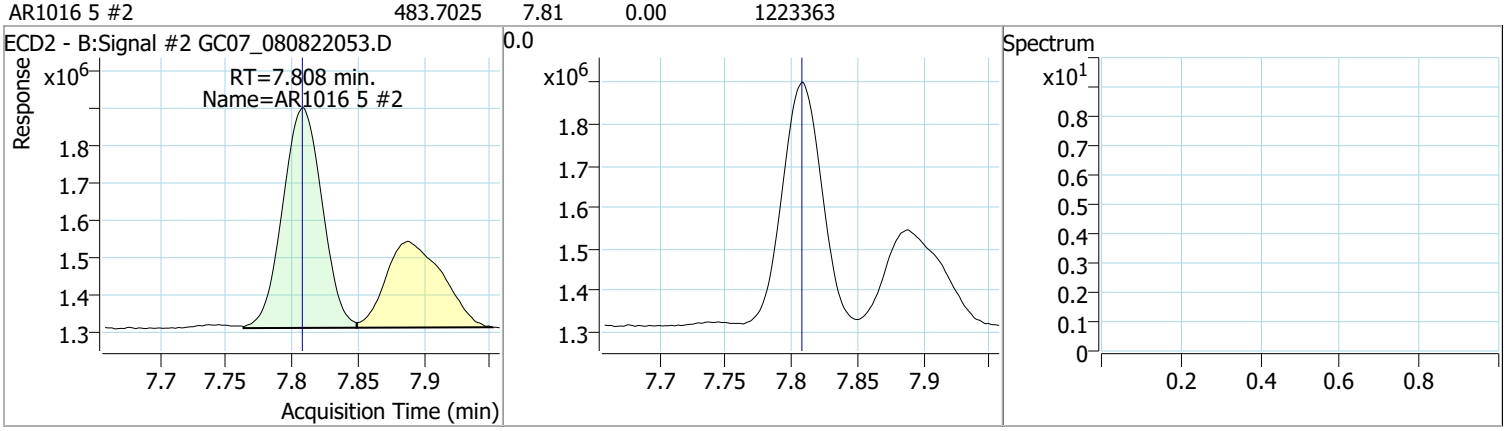
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	447.9449	6.92	0.00	2907130				



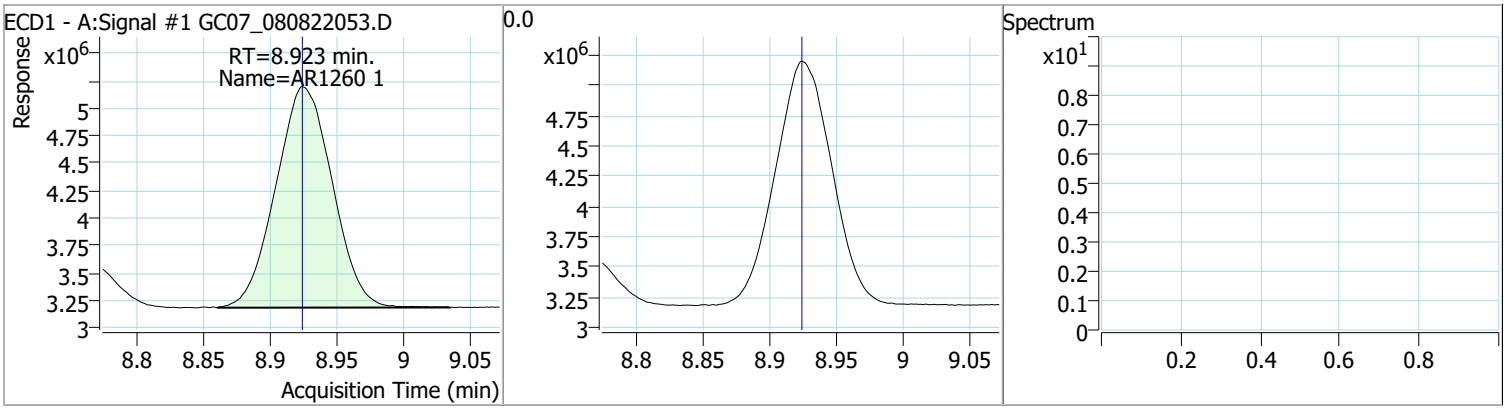
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	468.1322	7.09	0.00	1526561				



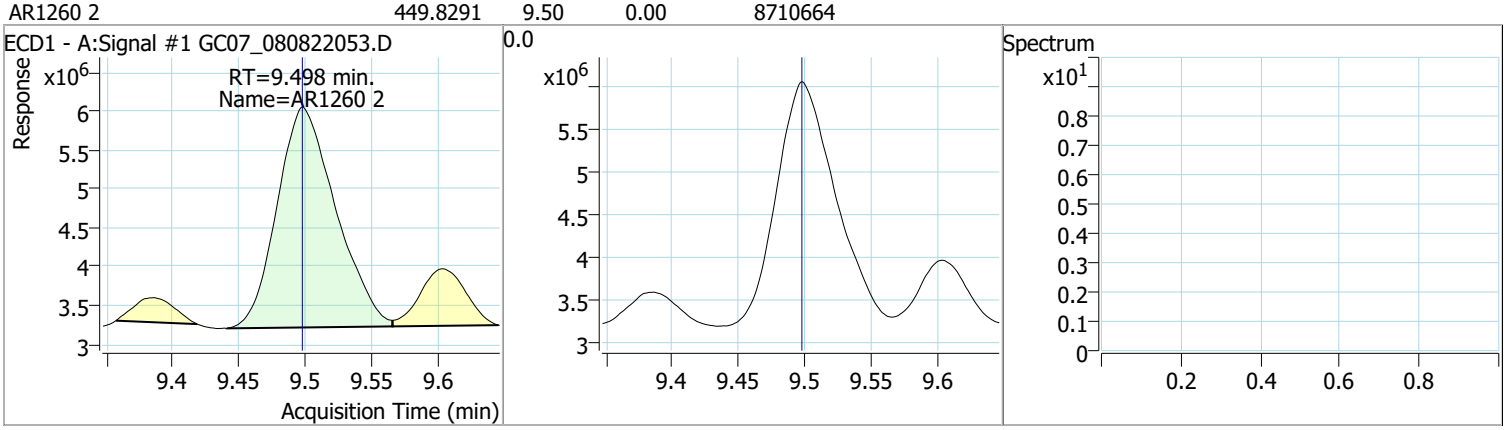
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	483.7025	7.81	0.00	1223363				



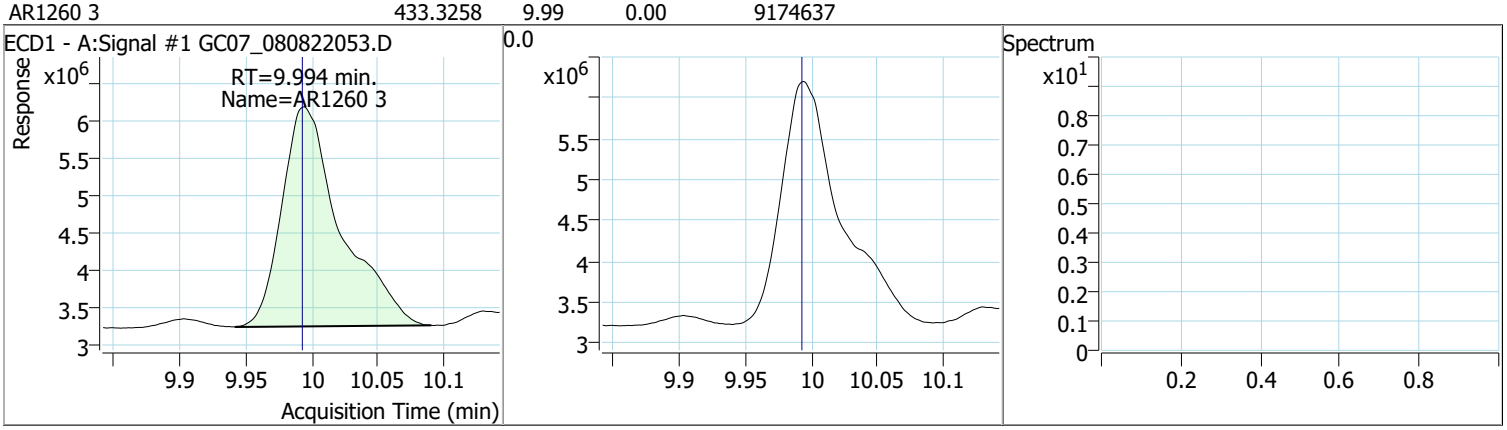
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	462.9035	8.92	0.00	5967526				



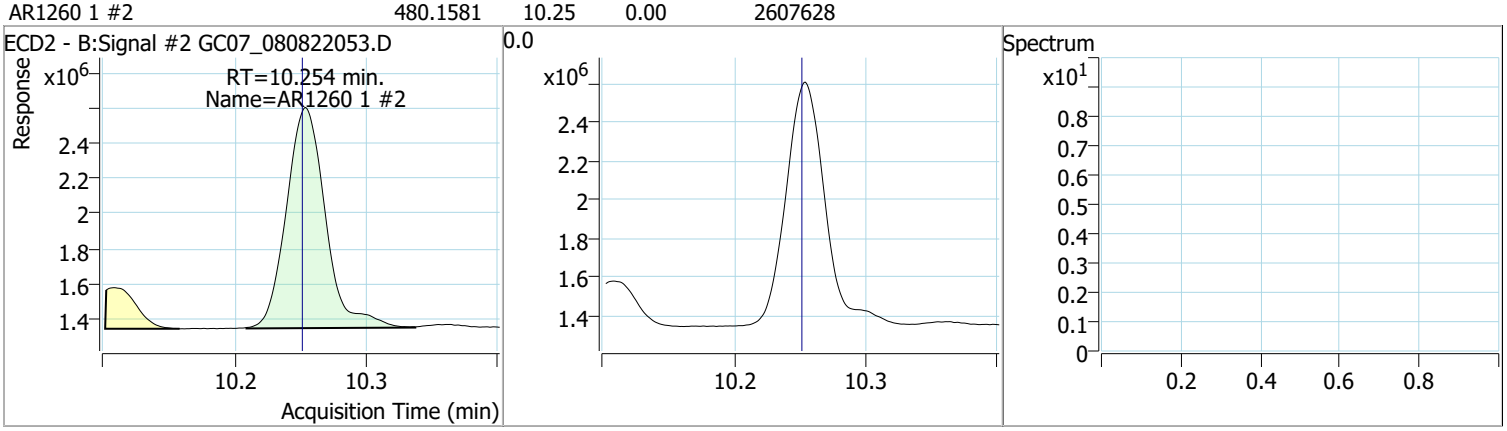
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	449.8291	9.50	0.00	8710664				



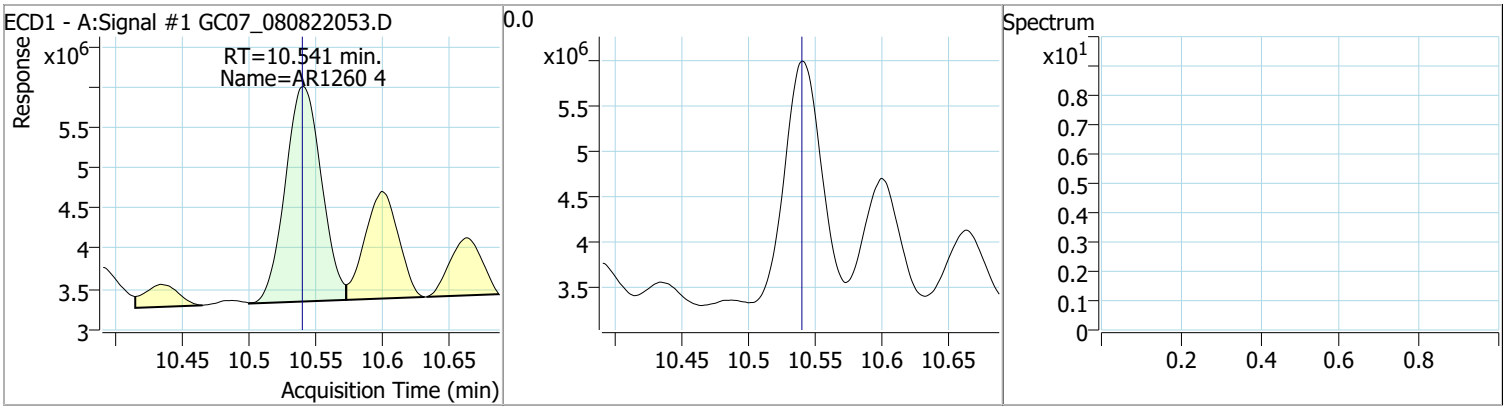
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	433.3258	9.99	0.00	9174637				



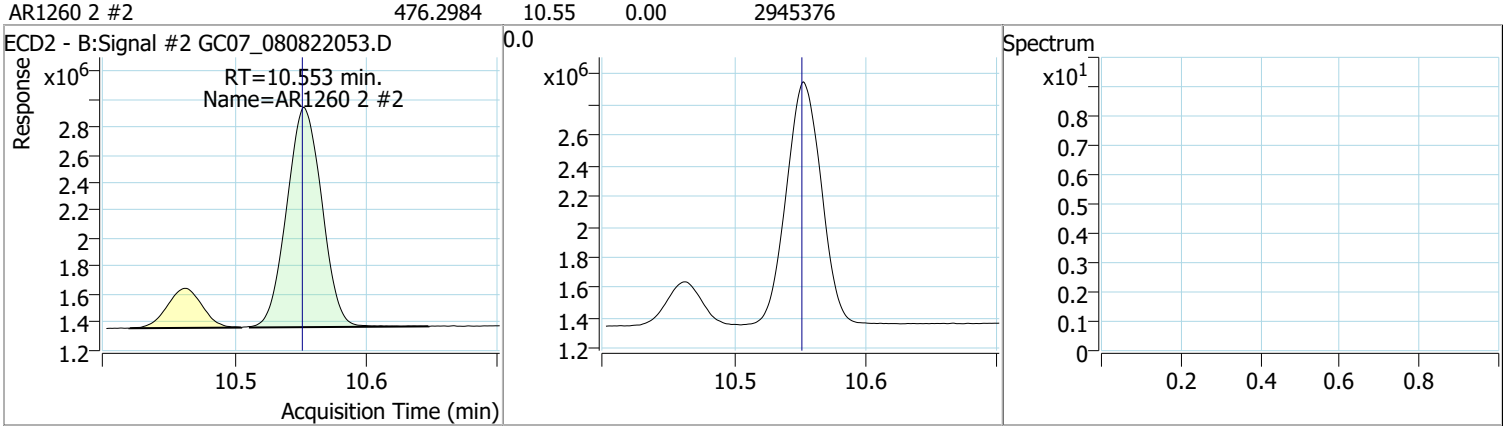
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	480.1581	10.25	0.00	2607628				



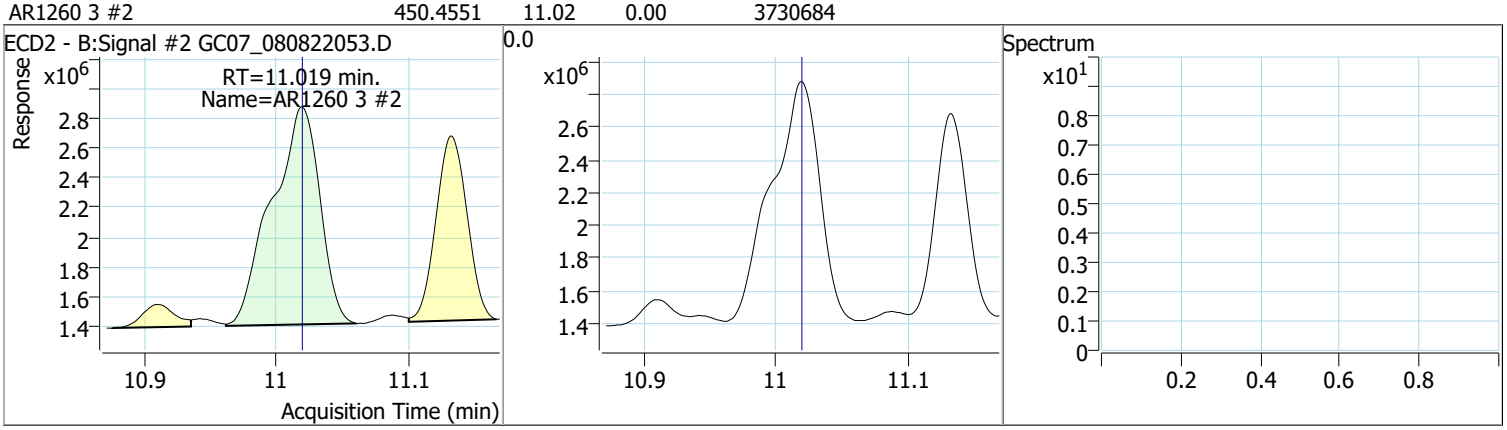
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	526.9392	10.54	0.00	5061600				



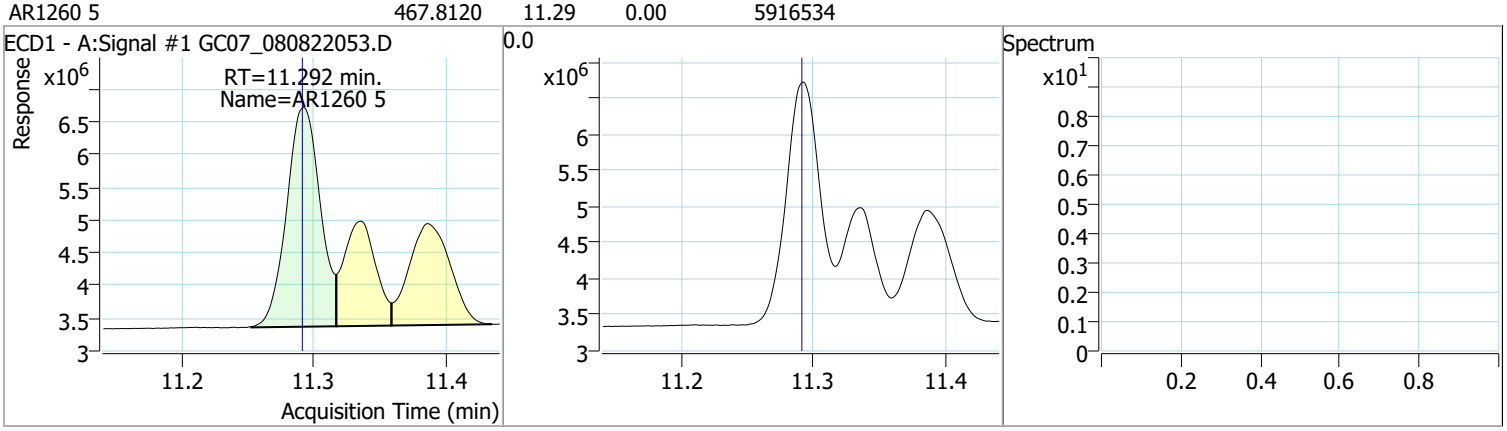
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	476.2984	10.55	0.00	2945376				



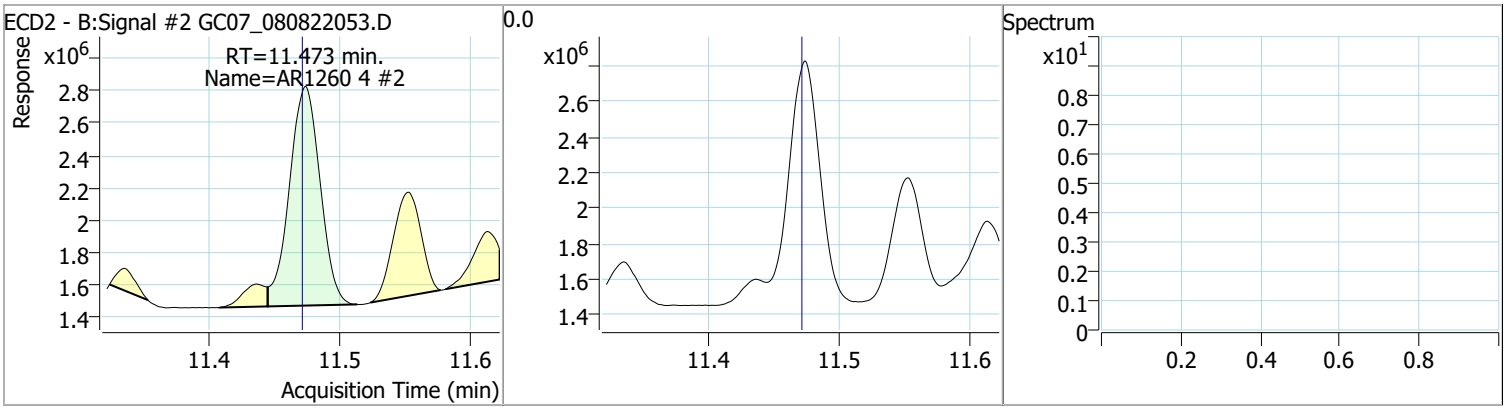
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	450.4551	11.02	0.00	3730684				



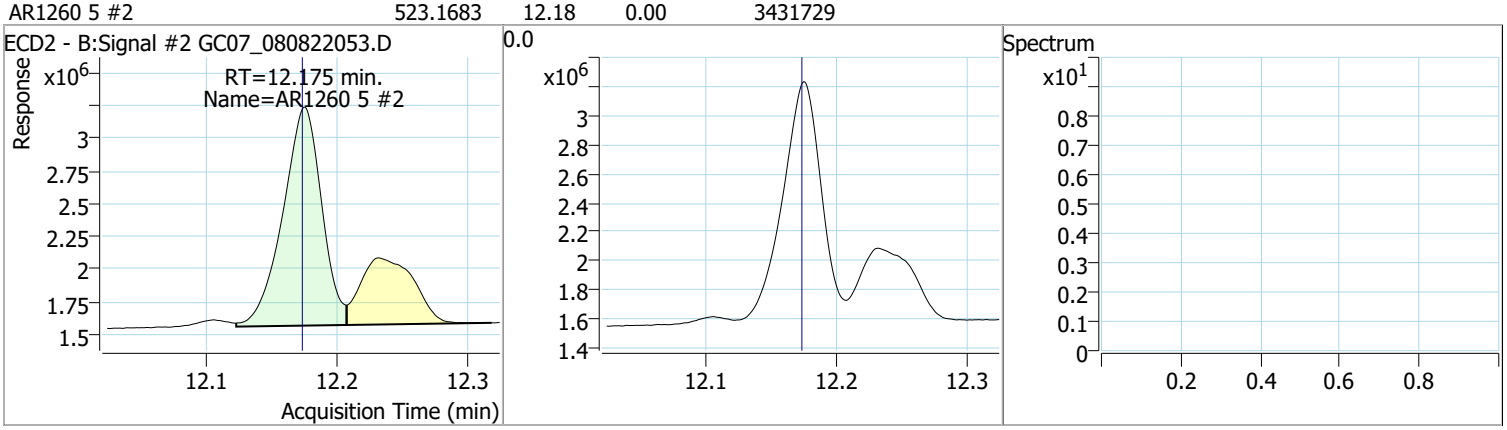
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	467.8120	11.29	0.00	5916534				



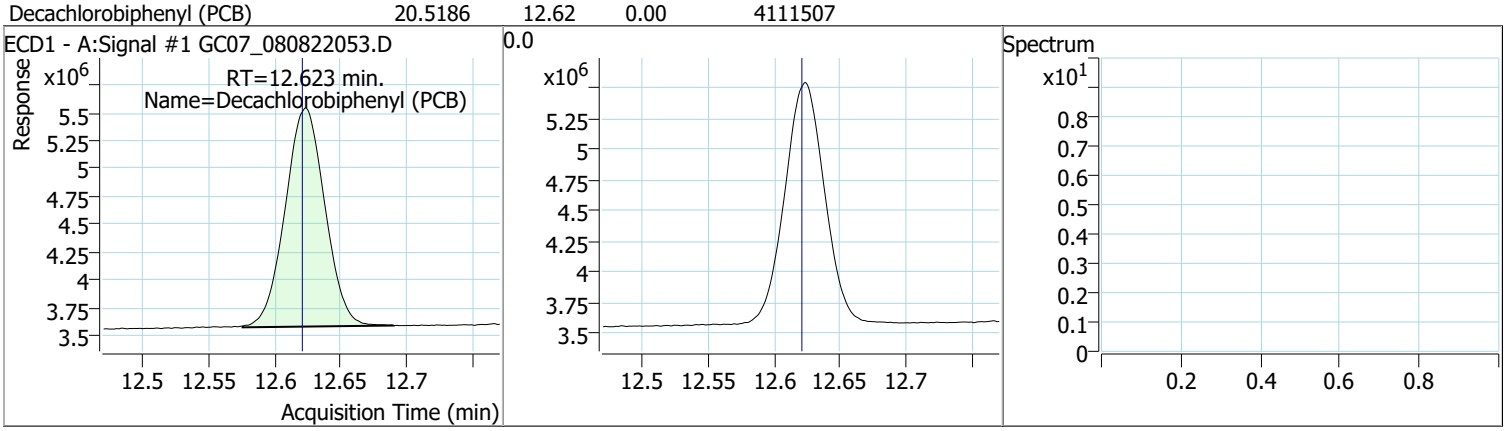
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	545.9299	11.47	0.00	2217997				



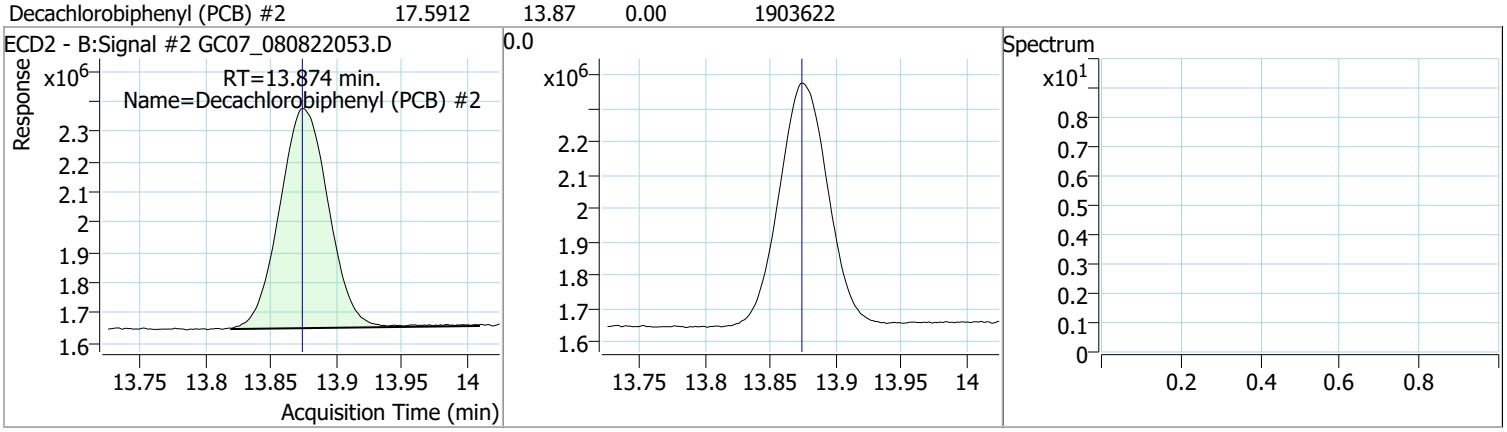
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	523.1683	12.18	0.00	3431729				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	20.5186	12.62	0.00	4111507				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	17.5912	13.87	0.00	1903622				



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 466919 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07			IDF:	1.0
Seqnum:	462319236063	File:	gc07_080922063	Time:	10-AUG-2022 05:33
Cal:	462317638001	Caldate:	08-AUG-2022		

Standards: S17006

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	439.6	ug/L	-12	15	0.0000	
Aroclor-1260	A			500.0	447.9	ug/L	-10	15	0.0000	
Decachlorobiphenyl (PCB)	A	0.9740	0.7535	20.00	19.31	pg/uL	-3	15	0.0000	
TCMX (PCB)	A	0.8753	0.6935	20.00	15.85	pg/uL	**-21**	15	0.0000	c-
Aroclor-1016	B			500.0	451.9	ug/L	-10	15	0.0000	
Aroclor-1260	B			500.0	467.6	ug/L	-6	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.1217	0.9294	20.00	16.57	pg/uL	**-17**	15	0.0000	c-
TCMX (PCB)	B	0.8446	0.7119	20.00	16.86	pg/uL	**-16**	15	0.0000	c-

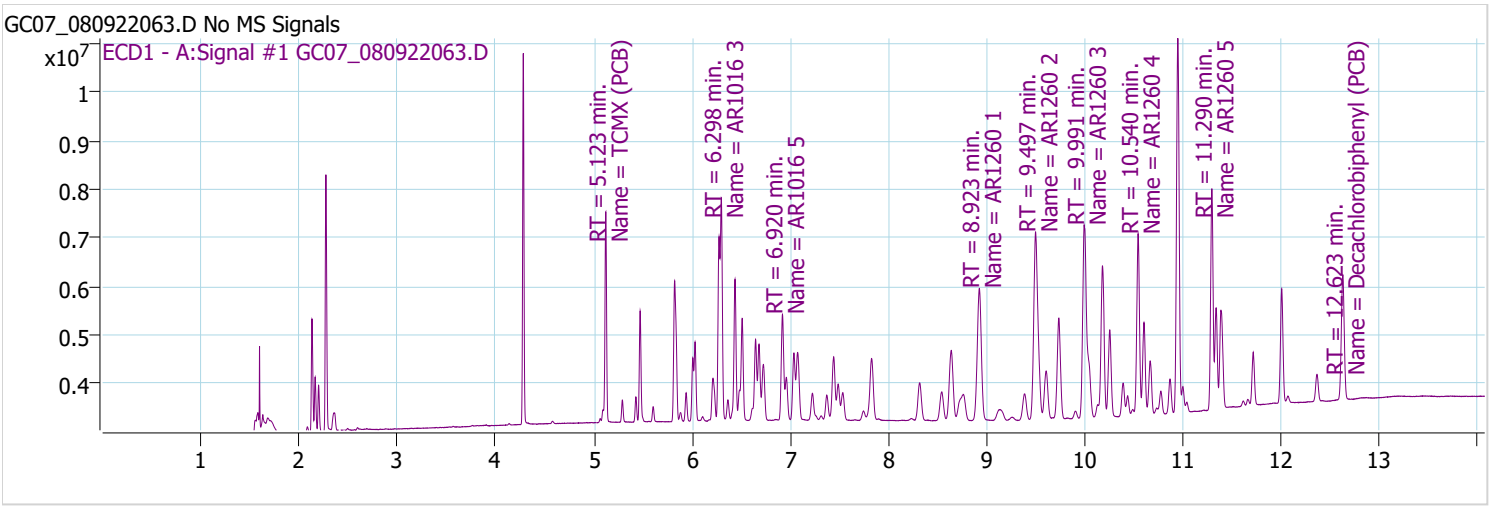
ISTD (ICAL gc07_080822044)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1564449	2659137	69.97
1-bromo-2-nitrobenzene (PCB)	A	4212293	7252655	72.18

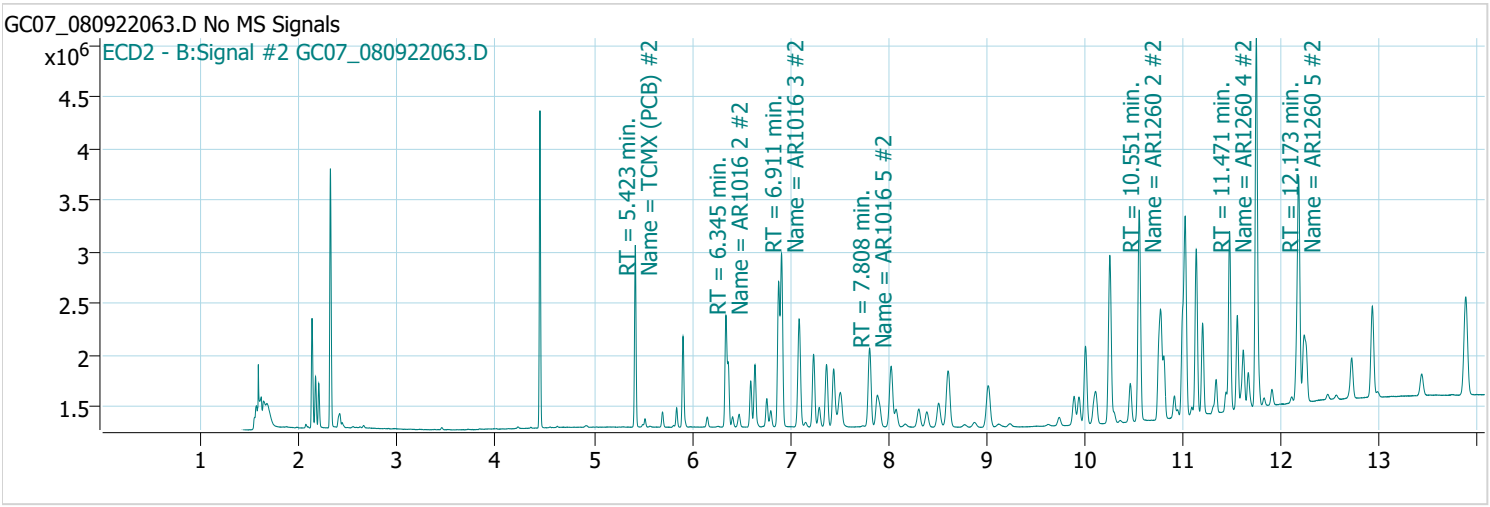
-=low bias c=CCV

Analyst: TRN 08/10/22 **Reviewer:** SLL 08/10/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_080922063.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	8/10/2022 5:33:59 AM
Sample Name	CCV, S17006	Instrument	SVOA-GC07
Vial	144	Multiplier	1.00
DA Method File	PCB_608_080822_GC07_1.m	Comment	500PPB PCB CCV
Tune File	ATUNE.U	Tune Date	
Batch Name	080922PCB.batch.bin	Last Calib Update	8/9/2022 3:43:56 PM
Ref Library			



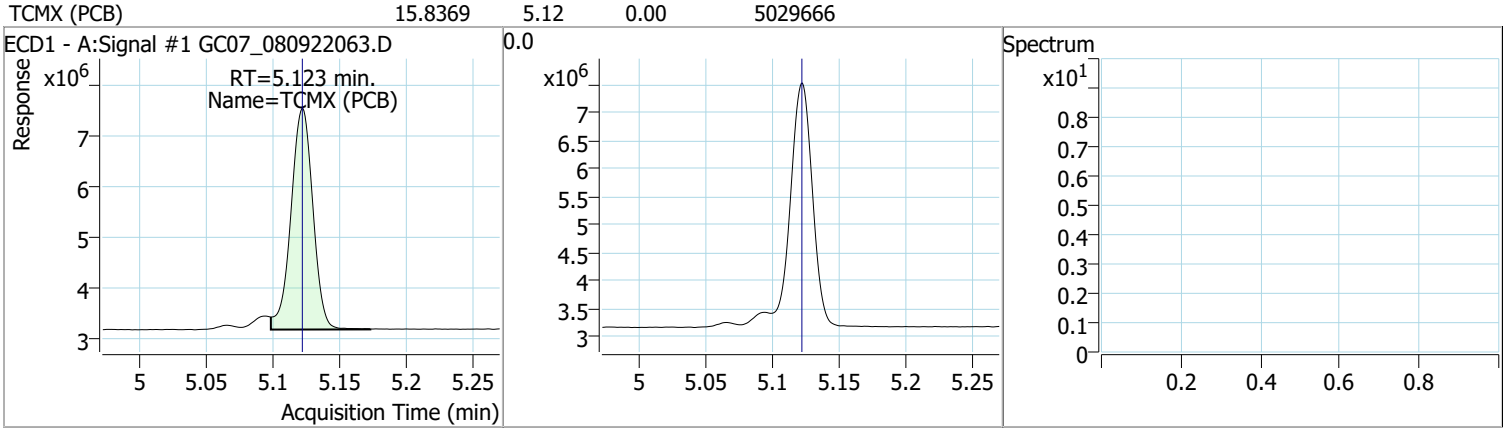


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.283	0.0	7252655.413	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.452	0.0	2659136.918	20.0000	ng/ml	-0.002
System Monitoring Compounds						
S TCMX (PCB)	5.123	0.0	5029666.488	15.8369	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 79.18%		
S TCMX (PCB) #2	5.423	0.0	1893162.575	16.8491	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 84.25%		
S Decachlorobiphenyl (PCB)	12.623	0.0	5464712.367	19.2785	ng/ml	0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 96.39%		
S Decachlorobiphenyl (PCB) #2	13.874	0.0	2471370.078	16.5625	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 82.81%		
Target Compounds						QValue

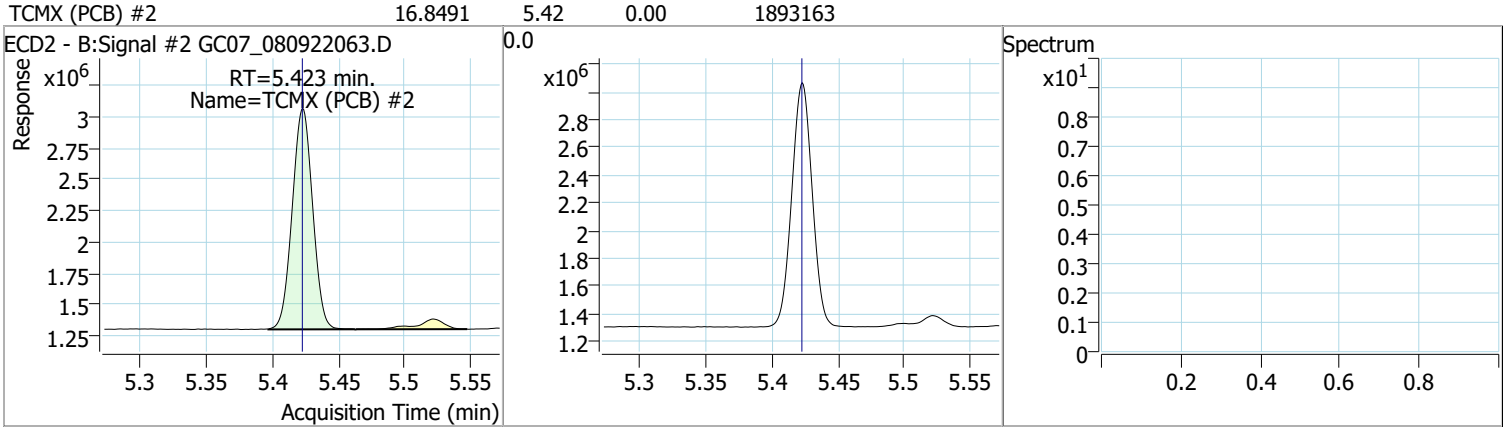
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.472	0.0	2809178.387	432.1953	ng/ml	100
T AR1016 2	5.823	0.0	5330056.174	410.1708	ng/ml	100
T AR1016 1 #2	5.908	0.0	1110570.147	466.2802	ng/ml	100
T AR1016 3	6.298	0.0	6647384.776	502.9847	ng/ml	100
T AR1016 2 #2	6.345	0.0	2276010.632	445.5004	ng/ml	100
T AR1016 4	6.438	0.0	4393975.338	422.2884	ng/ml	100
T AR1016 3 #2	6.911	0.0	2743915.902	442.0017	ng/ml	100
T AR1016 5	6.920	0.0	3915865.832	429.8326	ng/ml	100
T AR1016 4 #2	7.090	0.0	2007778.306	446.5214	ng/ml	100
T AR1016 5 #2	7.808	0.0	1597512.594	458.0782	ng/ml	100
T AR1260 1	8.923	0.0	8010814.438	442.6742	ng/ml	100
T AR1260 2	9.497	0.0	11665228.891	429.1420	ng/ml	100
T AR1260 3	9.991	0.0	12458582.085	419.1850	ng/ml	100
T AR1260 1 #2	10.253	0.0	3377265.207	450.9996	ng/ml	100
T AR1260 4	10.540	0.0	6792989.272	503.7848	ng/ml	100
T AR1260 2 #2	10.551	0.0	3830720.721	449.2533	ng/ml	100
T AR1260 3 #2	11.019	0.0	4859311.736	425.5103	ng/ml	100
T AR1260 5	11.290	0.0	7877595.499	443.7202	ng/ml	100
T AR1260 4 #2	11.471	0.0	2887833.853	515.4902	ng/ml	100
T AR1260 5 #2	12.173	0.0	4481005.691	495.4232	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

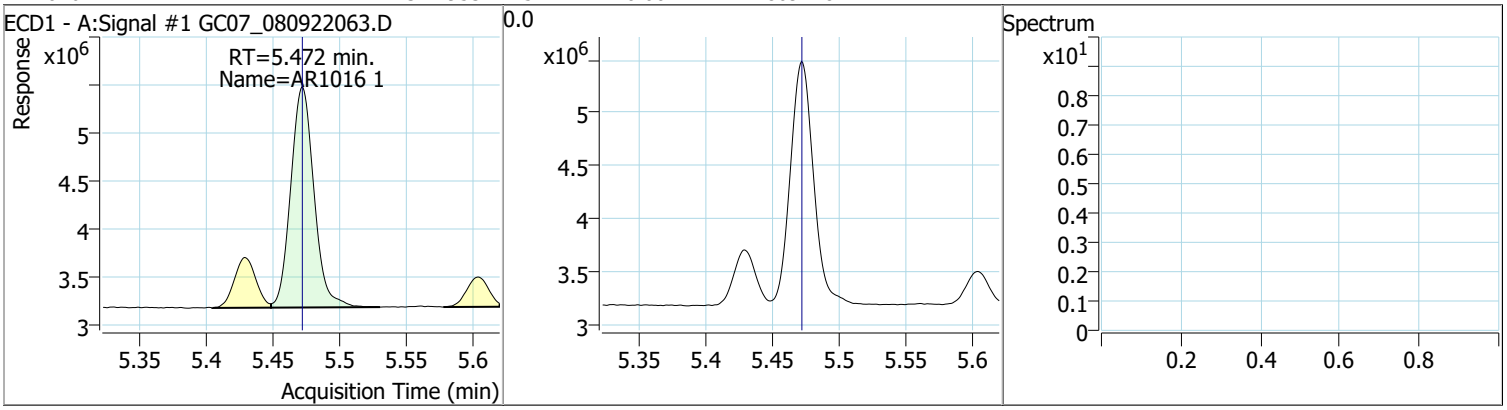
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	15.8369	5.12	0.00	5029666				



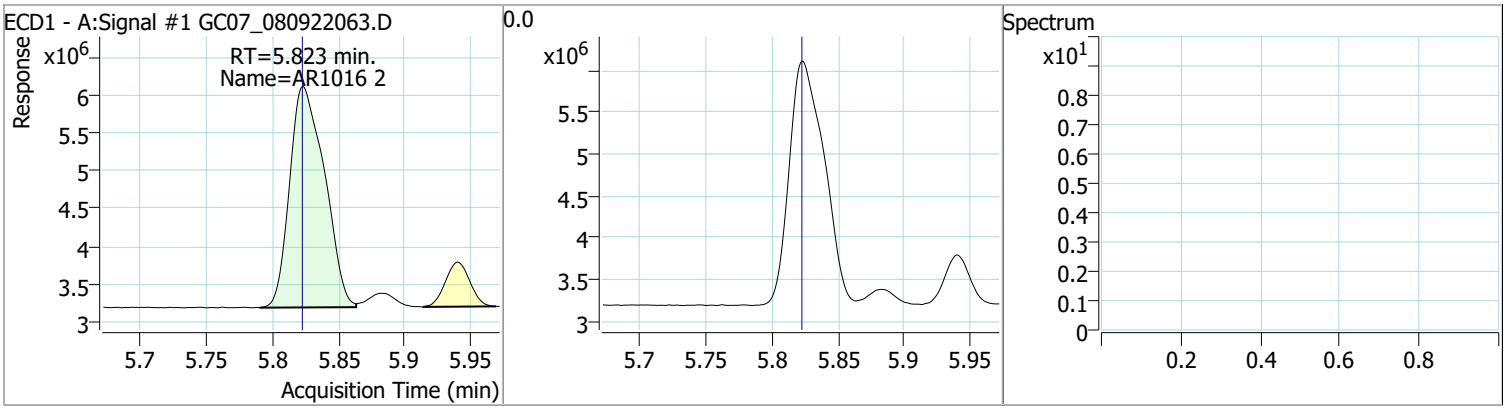
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	16.8491	5.42	0.00	1893163				



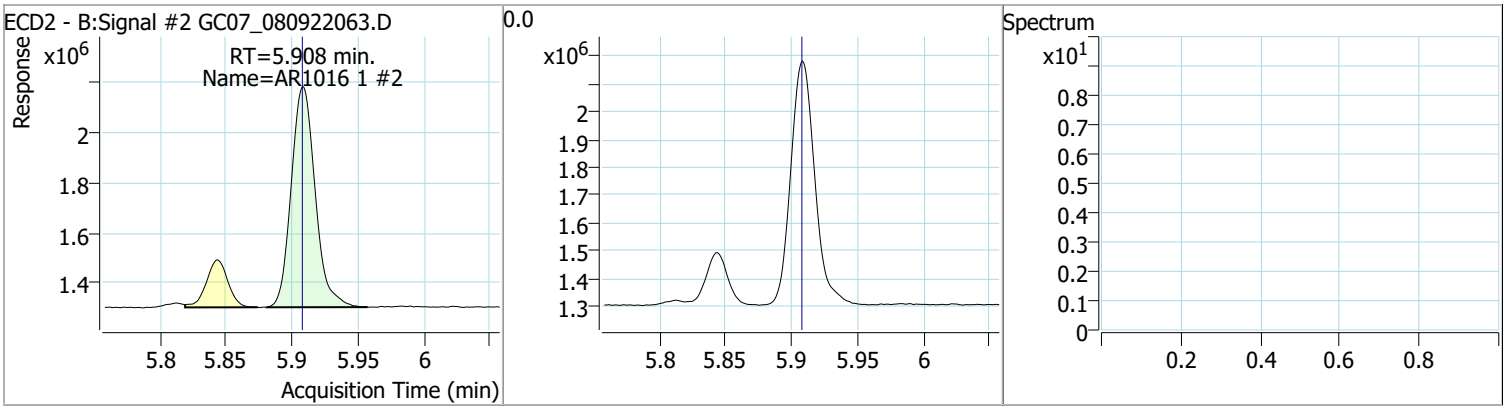
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	432.1953	5.47	0.00	2809178				



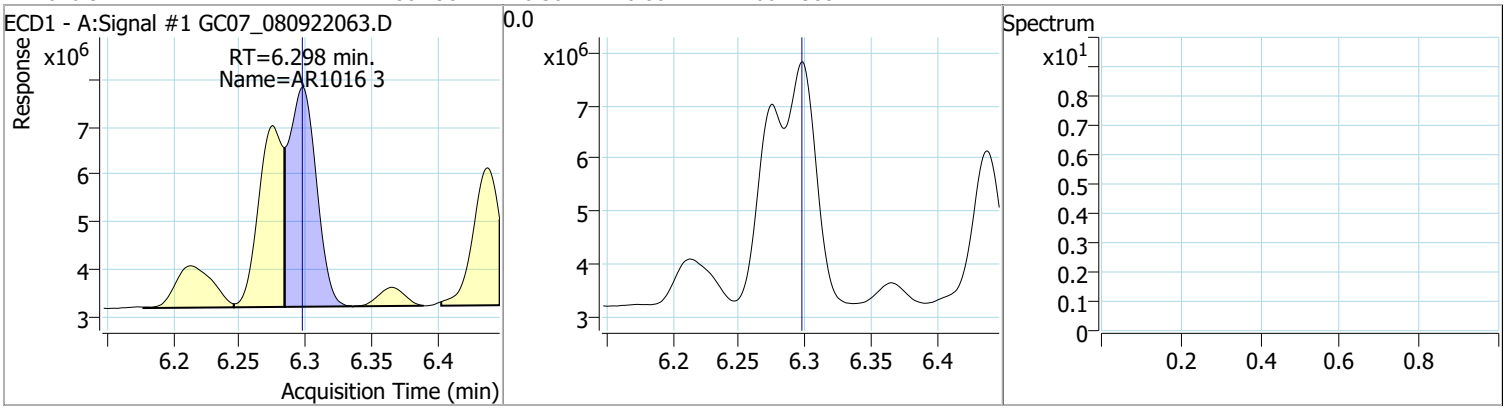
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	410.1708	5.82	0.00	5330056				



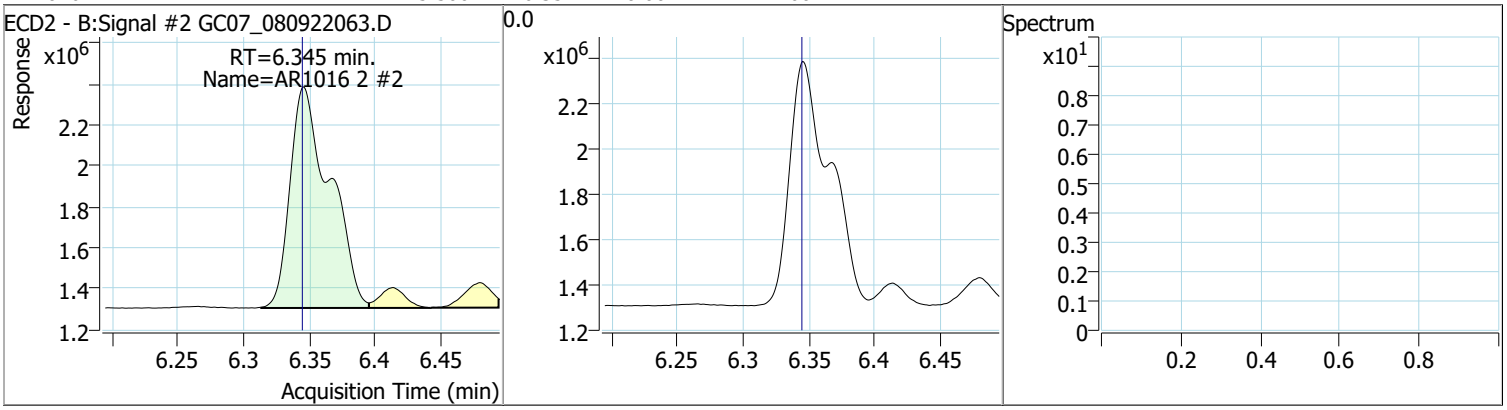
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	466.2802	5.91	0.00	1110570				



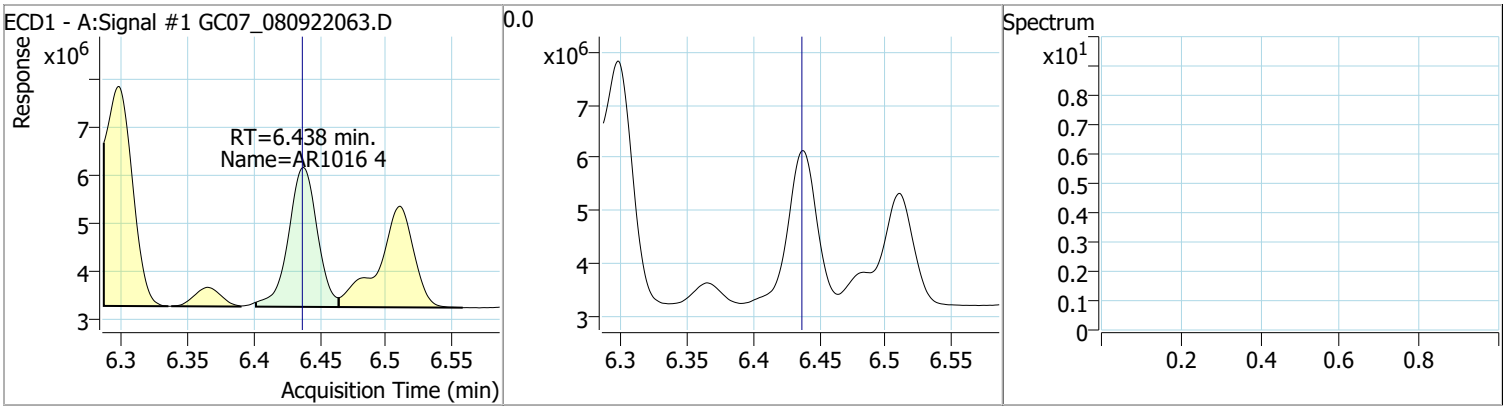
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	502.9847	6.30	0.00	6647385				



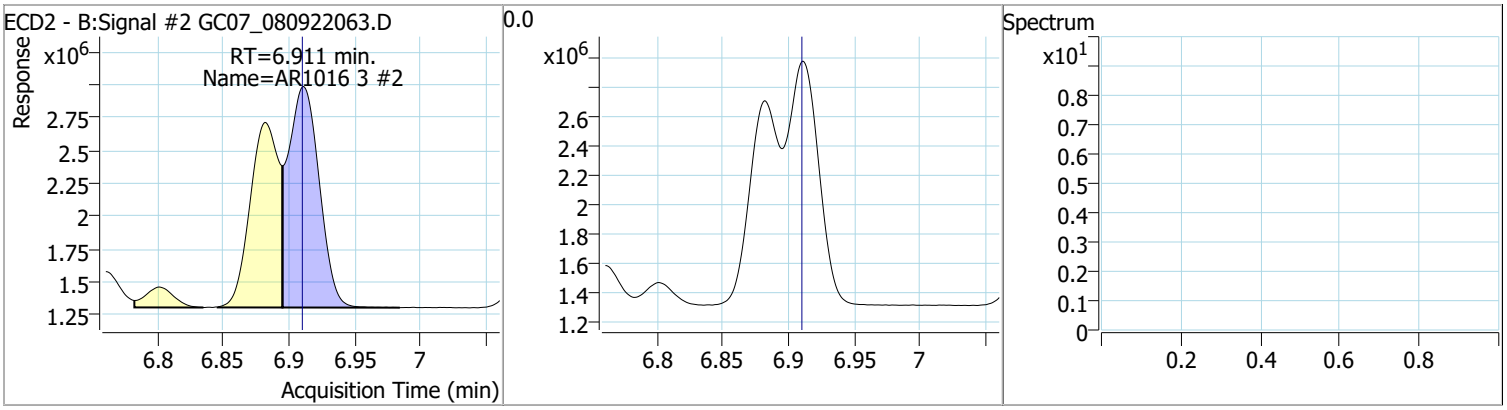
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	445.5004	6.35	0.00	2276011				



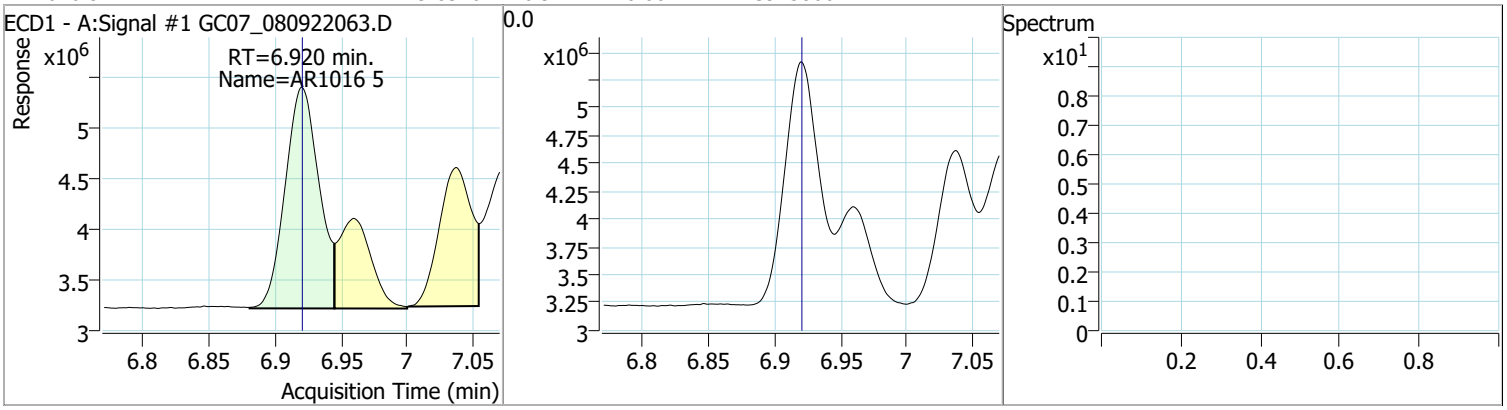
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	422.2884	6.44	0.00	4393975				



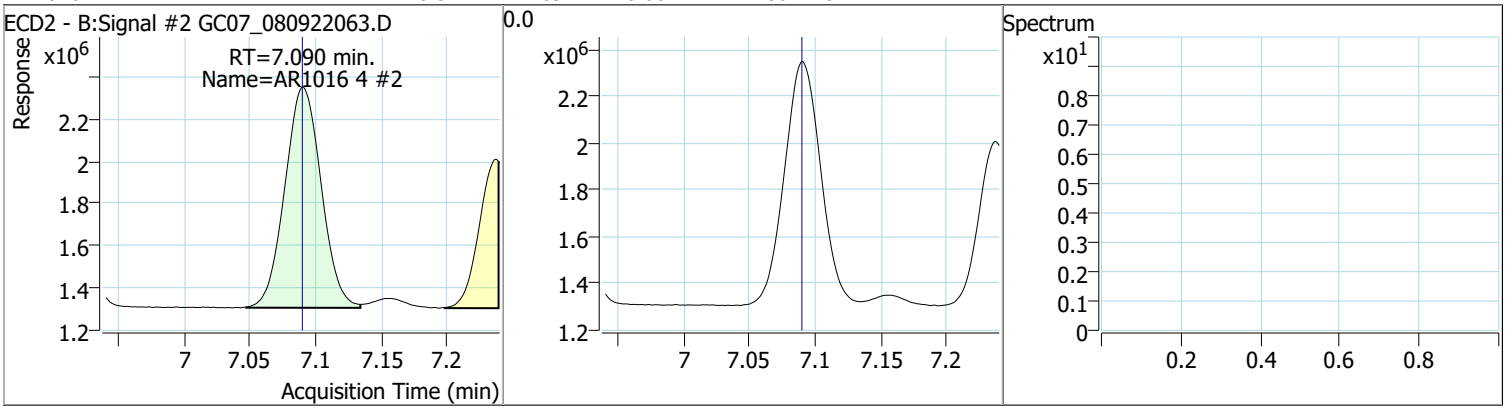
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	442.0017	6.91	0.00	2743916				



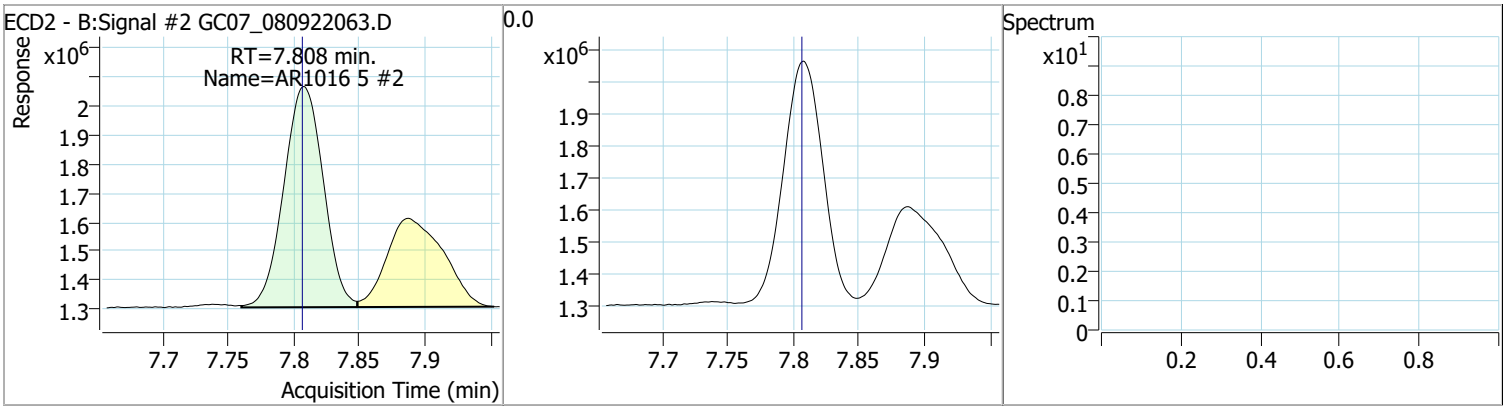
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	429.8326	6.92	0.00	3915866				



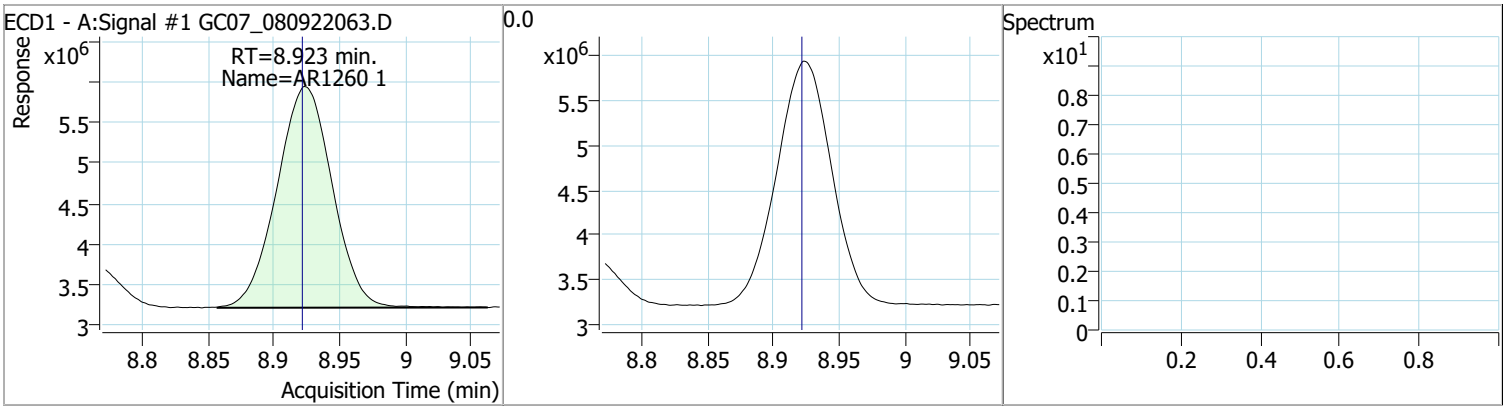
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	446.5214	7.09	0.00	2007778				



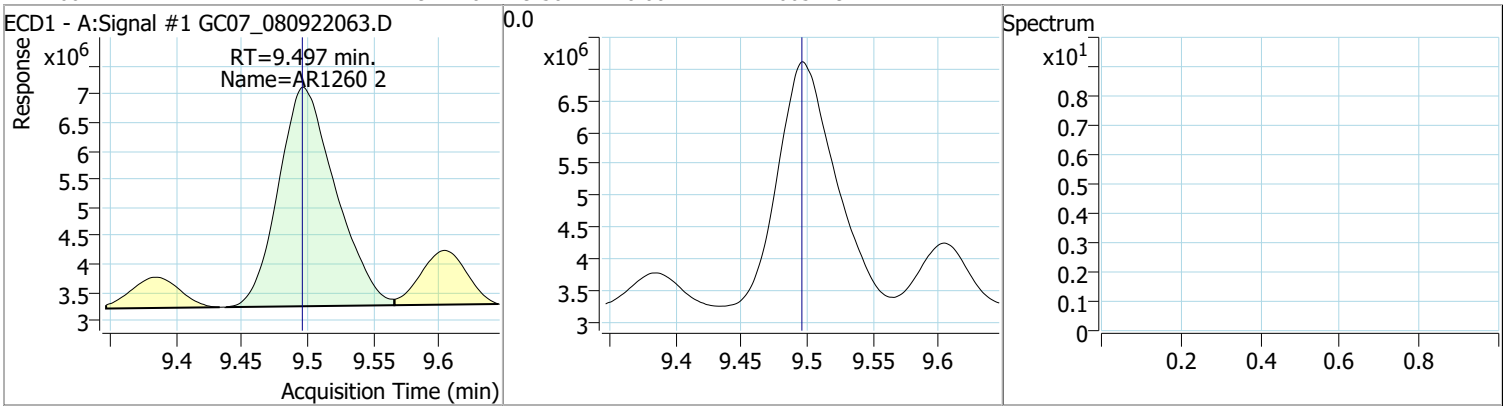
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	458.0782	7.81	0.00	1597513				



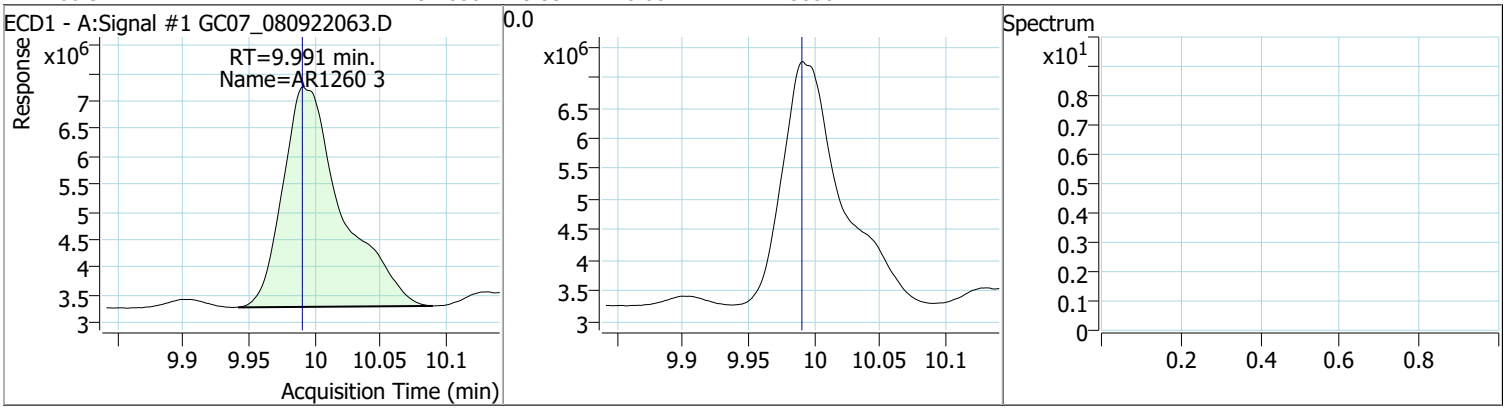
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	442.6742	8.92	0.00	8010814				



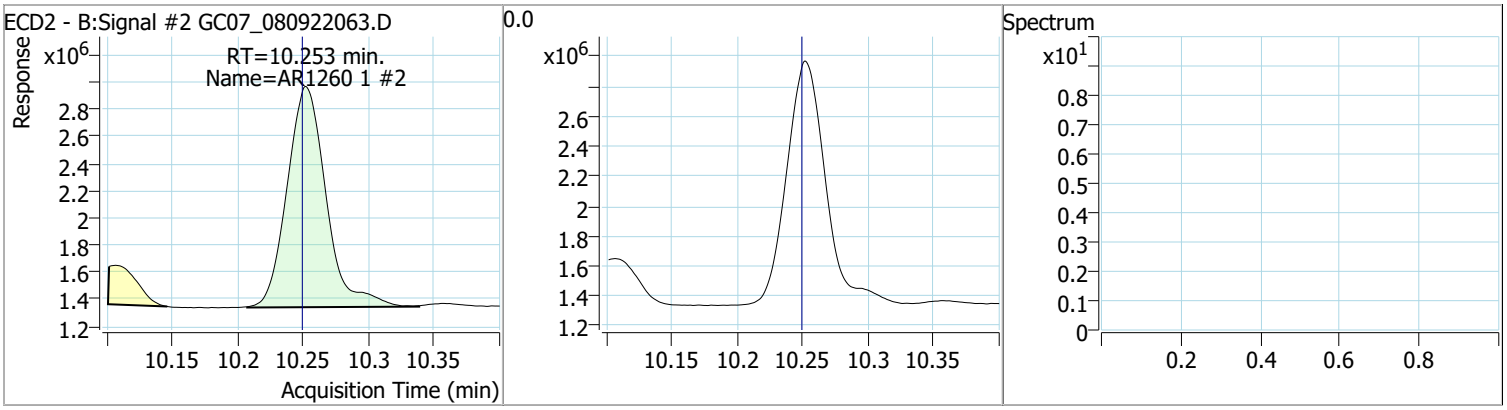
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	429.1420	9.50	0.00	11665229				



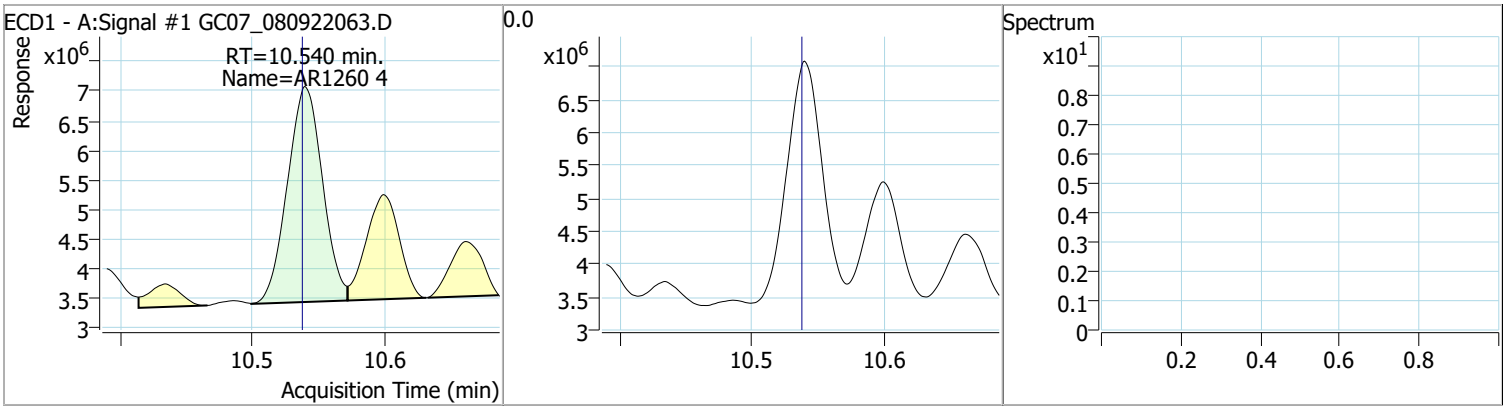
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	419.1850	9.99	0.00	12458582				



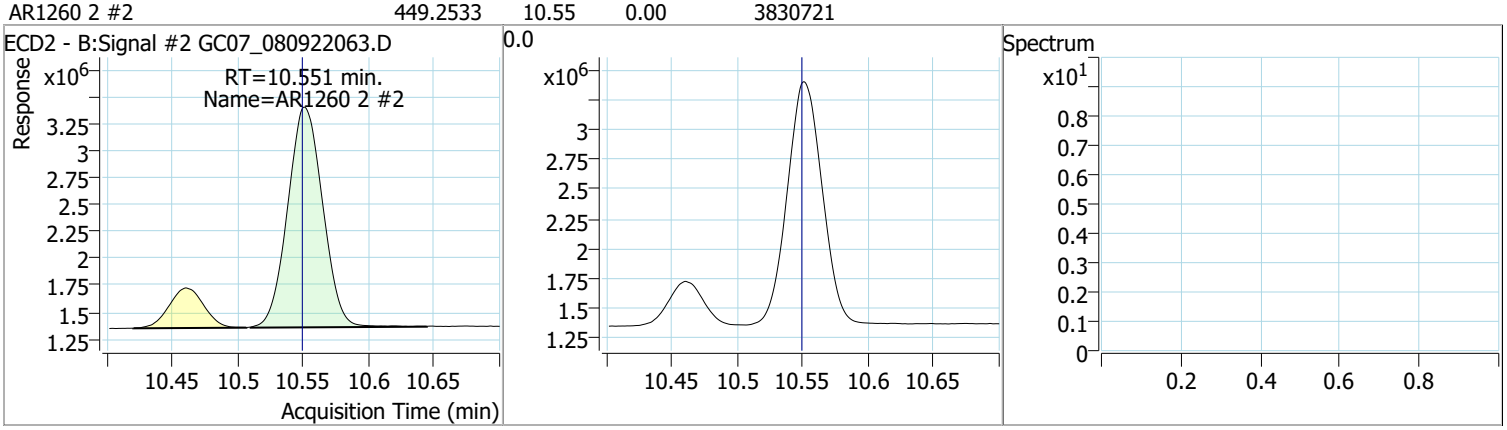
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	450.9996	10.25	0.00	3377265				



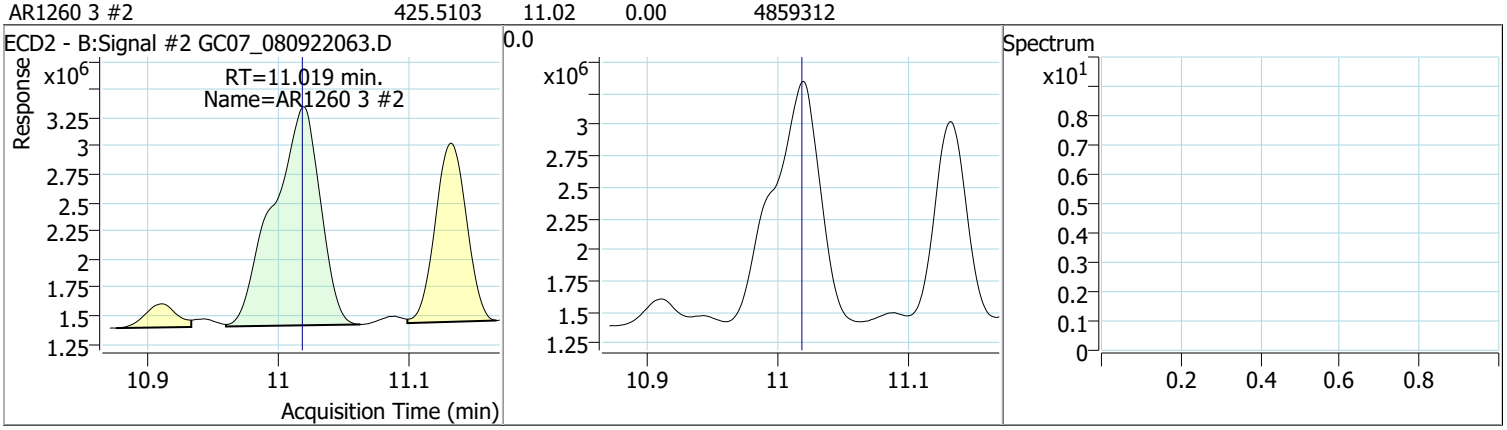
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	503.7848	10.54	0.00	6792989				



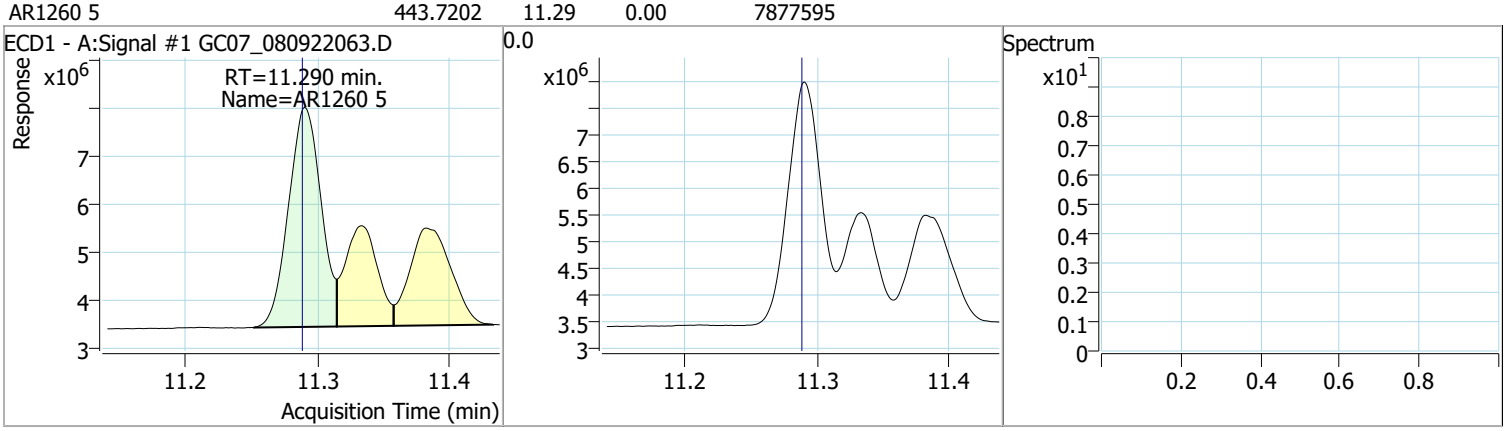
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	449.2533	10.55	0.00	3830721				



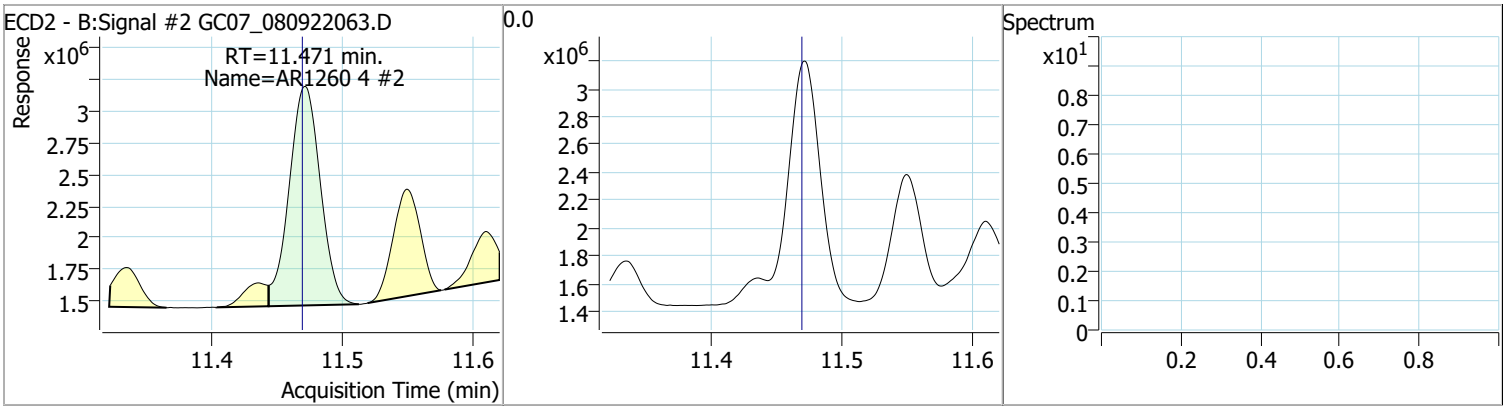
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	425.5103	11.02	0.00	4859312				



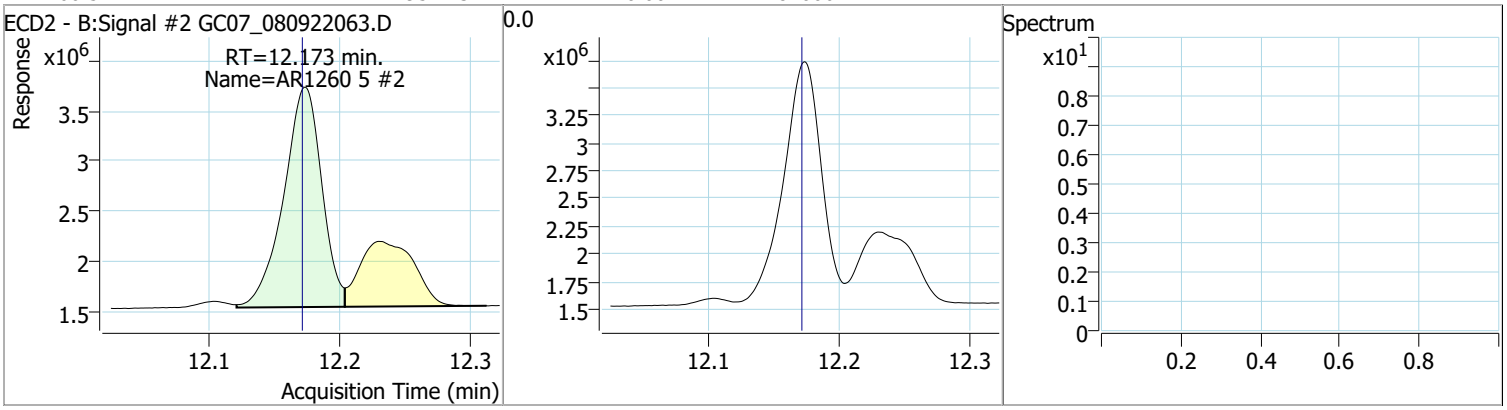
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	443.7202	11.29	0.00	7877595				



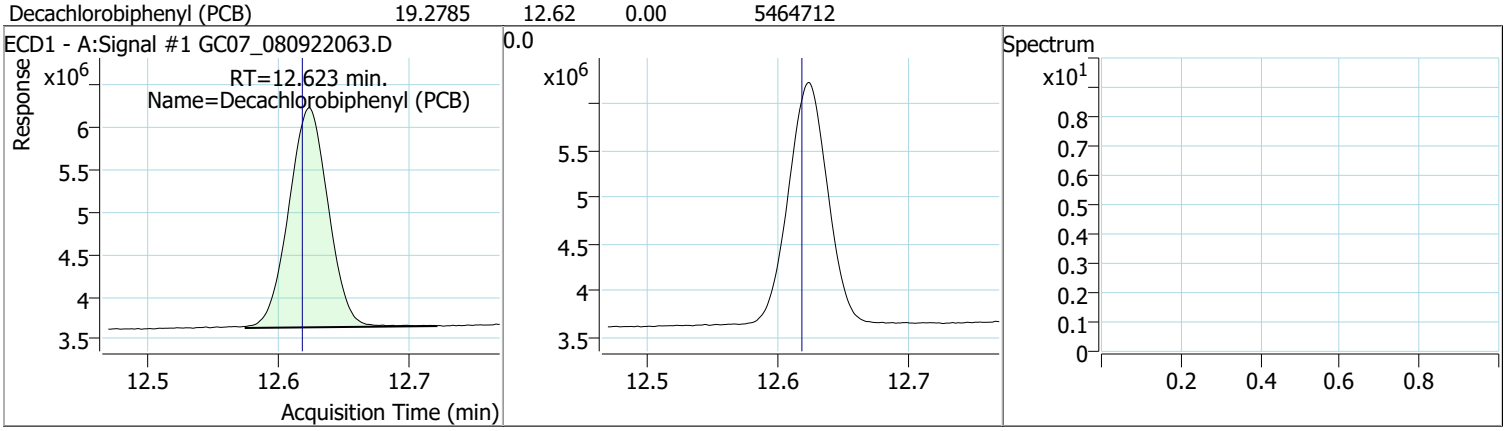
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	515.4902	11.47	0.00	2887834				



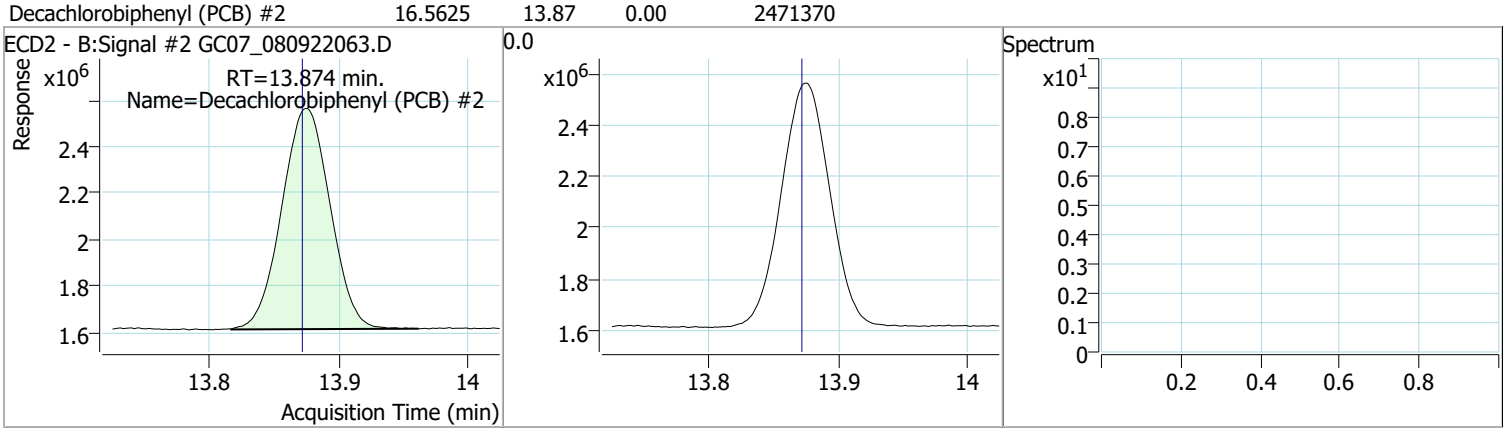
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	495.4232	12.17	0.00	4481006				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	19.2785	12.62	0.00	5464712				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	16.5625	13.87	0.00	2471370				



Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 466919
Report Level: IV
Report Date: 01/05/2023

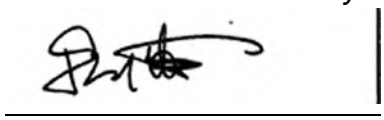
Metals

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	466919
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	08/05/22

Sample ID	Lab ID	Collected	Matrix
DOOR-N-0.5GW-DG-7 TO 20-220805-L-LA	466919-002	08/05/22 09:24	Wipe
DOOR-N-0.8GW-EXT-5 TO 6-220805-L-CB	466919-004	08/05/22 10:28	Wipe
DOOR-N-0.9GW-PS-21-220805-L-G	466919-007	08/05/22 09:00	Wipe
DOOR-N-0.8GE-INT-20 TO 21-220805-L-CB	466919-009	08/05/22 09:38	Wipe
DOOR-N-0.8GE-INT-20 TO 21-220805-L-DUP-CB	466919-010	08/05/22 09:38	Wipe
DOOR-N-0.9GE-PS-20-220805-L-G	466919-012	08/05/22 09:55	Wipe

Case Narrative

METALS (EPA 6010B)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 466919 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 08/05/22

This data package contains sample and QC results for six wipe samples, requested for the above referenced project on 08/08/22. See attached cooler receipt form for any sample receipt problems or discrepancies.

Metals (EPA 6010B):

No analytical problems were encountered.

Chain of Custody

466919

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

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931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	DOOR-N-0.5GW-DG-7 TO 20-220805-P-LA	8/5/2022	0924	WP	1		X			1x Rivet Type 1 = 0.0138ft2
2	DOOR-N-0.5GW-DG-7 TO 20-220805-L-LA	8/5/2022	0924	WP	1			X		2x Rivet Type 1 = 0.0276ft2
3	DOOR-N-0.8GW-EXT-5 TO 6-220805-P-CB	8/5/2022	1028	WP	1		X			
4	DOOR-N-0.8GW-EXT-5 TO 6-220805-L-CB	8/5/2022	1028	WP	1			X		
5	DOOR-N-0.9GW-PS-21-220805-P-G	8/5/2022	0900	WP	1		X			
6	DOOR-N-0.9GW-PS-21-220805-P-DUP-G	8/5/2022	0900	WP	1		X			
7	DOOR-N-0.9GW-PS-21-220805-L-G	8/5/2022	0900	WP	1			X		14x Rivet Type 2 = 0.120ft2
8	DOOR-N-0.8GE-INT-20 TO 21-220805-P-CB	8/5/2022	0938	WP	1		X			
9	DOOR-N-0.8GE-INT-20 TO 21-220805-L-CB	8/5/2022	0938	WP	1			X		
10	DOOR-N-0.8GE-INT-20 TO 21-220805-L-DUP-CB	8/5/2022	0938	WP	1			X		
11	DOOR-N-0.9GE-PS-20-220805-P-G	8/5/2022	0955	WP	1		X			
12	DOOR-N-0.9GE-PS-20-220805-L-G	8/5/2022	0955	WP	1			X		6x Rivet Type 2 = 0.060ft2
13										
14										
15										

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michaela Kim	Rincon/Env Scientist	8/5/22 @1500
1 Received By:		Miguel Gamboa	EA	8/5/22 1500
2 Relinquished By:		Lisa Torres	EA	8/5/22 1554
2 Received By:		Glenna Sylvestri	EA	8/6/22 08:00
3 Relinquished By:				
3 Received By:				

SAMPLE RECEIPT CHECKLIST

Section 1: Login # ~~469~~ 466919 Client: Rincon

Date Received: 8/5/22 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☒ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☒ Yes, how many? 1 ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☒ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 8/5/22 By (print) Nate (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☒ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☒ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☒ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: _____, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 8/5/22 **By (print)** UEF for NG **(sign)** _____

Date Labeled 8/5/22 **By (print)** UEF **(sign)** _____

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 NTCRA

Date Received: 8/6/22 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.7 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☑ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.4 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✔
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Jenna Sylvester Date: 8/6/22

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931 W. Barkley Ave, Orange, CA 92868 • T: (714) 771-6900 • F: (714) 538-1209
www.enthalpy.com/socal

#1 5.7/0.4

STD PPD

05AUG22 06:55P

** LABEL **

GLI 3090321289

Schd: GLI 6747

Pcs: 6 of 8

LOS ANGELES, CA

From: Enthalpy Analytical - Orange
000-000-0000

RECV: ENTHALPY ANALYTICAL
931 W. BARKLEY AVE

ORANGE, CA 92868
Phone: 925-487-8029

Manual Wght: 275.3
Tariff Wght: 278.0

PO/Ref #:

Standard
Agency Phone: (213)629-8420

WWW.SHIPGREYHOUND.COM

Results & QC Summary

ENTHALPY ANALYTICAL

Lead

Lab #: 466919 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.5GW-DG-7 TO 20-220805-L-LA **Batch#:** 294528 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/05/22 **Analysis:** EPA 6010B
Lab ID: 466919-002 **Received:** 08/05/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/08/22
Diln Fac: 1.000 **Analyzed:** 08/08/22

466919-002 Analyte	Result	RL	Units
Lead	**120**	0.50	ug/ft2

Field ID: DOOR-N-0.8GW-EXT-5 TO 6-220805-L-CB **Batch#:** 294528 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/05/22 **Analysis:** EPA 6010B
Lab ID: 466919-004 **Received:** 08/05/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/08/22
Diln Fac: 1.000 **Analyzed:** 08/08/22

466919-004 Analyte	Result	RL	Units
Lead	**120**	0.49	ug/ft2

Field ID: DOOR-N-0.9GW-PS-21-220805-L-G **Batch#:** 294528 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/05/22 **Analysis:** EPA 6010B
Lab ID: 466919-007 **Received:** 08/05/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/08/22
Diln Fac: 1.000 **Analyzed:** 08/08/22

466919-007 Analyte	Result	RL	Units
Lead	**150**	0.50	ug/ft2

Field ID: DOOR-N-0.8GE-INT-20 TO 21-220805-L-CB **Batch#:** 294528 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/05/22 **Analysis:** EPA 6010B
Lab ID: 466919-009 **Received:** 08/05/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/08/22
Diln Fac: 1.000 **Analyzed:** 08/08/22

466919-009 Analyte	Result	RL	Units
Lead	**100**	0.45	ug/ft2

Field ID: DOOR-N-0.8GE-INT-20 TO 21-220805-L-DUP-CB **Batch#:** 294528 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/05/22 **Analysis:** EPA 6010B
Lab ID: 466919-010 **Received:** 08/05/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/08/22
Diln Fac: 1.000 **Analyzed:** 08/08/22

466919-010 Analyte	Result	RL	Units
Lead	**380**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 466919 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID:	DOOR-N-0.9GE-PS-20-220805-L-G	**Batch#:**	294528	**Prep:**	EPA 3050B
Type:	SAMPLE	**Sampled:**	08/05/22	**Analysis:**	EPA 6010B
Lab ID:	466919-012	**Received:**	08/05/22	**Analyst:**	SBW
Matrix:	Wipe	**Prepared:**	08/08/22		
Diln Fac:	1.000	**Analyzed:**	08/08/22		

466919-012 Analyte	Result	RL	Units
Lead	**180**	0.47	ug/ft2

Type:	BLANK	**Batch#:**	294528	**Analysis:**	EPA 6010B
Lab ID:	QC1005143	**Prepared:**	08/08/22	**Analyst:**	SBW
Matrix:	Wipe	**Analyzed:**	08/08/22		
Diln Fac:	1.000	**Prep:**	EPA 3050B		

QC1005143 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 466919 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 294528 **Analysis:** EPA 6010B

Lab ID: QC1005144 **Prepared:** 08/08/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 08/08/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1005144 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	109.8	110	80-120	ug/ft2

Type: BSD **Batch#:** 294528 **Analysis:** EPA 6010B

Lab ID: QC1005145 **Prepared:** 08/08/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 08/08/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1005145 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	108.8	109	80-120	ug/ft2	1	20

Legend

RPD: Relative Percent Difference

REPORTING SUMMARY FOR 466919 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	PB	
466919-002	MET06	08/08/22 12:27	1.0	+	
466919-004	MET06	08/08/22 12:31	1.0	+	
466919-007	MET06	08/08/22 12:34	1.0	+	
466919-009	MET06	08/08/22 12:44	1.0	+	
466919-010	MET06	08/08/22 12:47	1.0	+	
466919-012	MET06	08/08/22 12:50	1.0	+	
QC1005143	MET06	08/08/22 12:17	1.0	+	
QC1005144	MET06	08/08/22 12:21	1.0	+	
QC1005145	MET06	08/08/22 12:24	1.0	+	

Enthalpy Sequence Summary for Sequence 482317356

Instrument : MET06 Begun : 08/08/22 09:16
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master	ICALBLK	CALBLANK			08/08/22 09:16	1.0	1	
002	met06_master	ICAL	L1			08/08/22 09:20	1.0	2 1	
003	met06_master	ICAL	L2			08/08/22 09:23	1.0	3 1	
004	met06_master	ICAL	L3			08/08/22 09:26	1.0	4 1	
005	met06_master	ICAL	L4			08/08/22 09:30	1.0	5 1	
006	met06_master	ICAL	L5			08/08/22 09:33	1.0	6 1	
007	met06_master	ICAL	L6			08/08/22 09:36	1.0	7 1	
008	met06_master	ICAL	L7			08/08/22 09:40	1.0	8 1	
009	met06_master	ICAL	L8			08/08/22 09:43	1.0	9 1	
010	met06_master	ICV				08/08/22 09:47	1.0	10 1	
011	met06_master	CRI				08/08/22 09:50	1.0	11 1	
012	met06_master	ICB				08/08/22 09:53	1.0	1	
013	met06_master	ICSA				08/08/22 09:57	1.0	12 1	4:MGASMGCO3=1400
014	met06_master	ICSAB				08/08/22 10:00	1.0	13 1	5:MGASMGCO3=1400
015	met06_master	MSS	466629-001	Soil	294388	08/08/22 10:08	1.0	1	2:FEASFE2O3=210
016	met06_master	MSS	466425-001	Soil	294426	08/08/22 10:11	1.0	1	3:FEASFE2O3=230
017	met06_master	MS	QC1004825	Soil	294426	08/08/22 10:14	1.0	1	5:FEASFE2O3=260
018	met06_master	MSD	QC1004826	Soil	294426	08/08/22 10:17	1.0	1	4:FEASFE2O3=280
019	met06_master	SAMPLE	466452-003	Soil	294426	08/08/22 10:21	1.0	1	2:FE=170
020	met06_master	SAMPLE	466687-001	Miscell.	294377	08/08/22 10:24	1.0	1	
021	met06_master	MSS	466708-001	Soil	294377	08/08/22 10:27	1.0	1	2:ALASAL2O3=170
022	met06_master	MS	QC1004667	Soil	294377	08/08/22 10:31	1.0	1	2:ALASAL2O3=200
023	met06_master	MSD	QC1004668	Soil	294377	08/08/22 10:34	1.0	1	2:ALASAL2O3=140
024	met06_master	CCV				08/08/22 10:37	1.0	10 1	
025	met06_master	CCB				08/08/22 10:41	1.0	1	
026	met06_master	PDS	QC1004669	Soil	294377	08/08/22 10:44	1.0	1	2:ALASAL2O3=160
027	met06_master	SAMPLE	466708-002	Soil	294377	08/08/22 10:47	1.0	1	
028	met06_master	SAMPLE	466708-003	Soil	294377	08/08/22 10:51	1.0	1	
029	met06_master	SAMPLE	466708-004	Soil	294377	08/08/22 10:54	1.0	1	
030	met06_master	SAMPLE	466708-005	Soil	294377	08/08/22 10:57	1.0	1	
031	met06_master	SAMPLE	466720-003	Soil	294378	08/08/22 11:01	1.0	1	
032	met06_master	SAMPLE	466720-004	Soil	294378	08/08/22 11:04	1.0	1	
033	met06_master	SAMPLE	466720-005	Soil	294378	08/08/22 11:07	1.0	1	
034	met06_master	SAMPLE	466720-006	Soil	294378	08/08/22 11:11	1.0	1	
035	met06_master	SAMPLE	466720-007	Soil	294378	08/08/22 11:14	1.0	1	
036	met06_master	CCV				08/08/22 11:17	1.0	10 1	
037	met06_master	CCB				08/08/22 11:21	1.0	1	
038	met06_master	SAMPLE	466720-008	Soil	294378	08/08/22 11:24	1.0	1	
039	met06_master	SAMPLE	466720-009	Soil	294378	08/08/22 11:27	1.0	1	
040	met06_master	SAMPLE	466720-010	Soil	294378	08/08/22 11:30	1.0	1	
041	met06_master	SAMPLE	466720-011	Soil	294378	08/08/22 11:34	1.0	1	
042	met06_master	SAMPLE	466720-012	Soil	294378	08/08/22 11:37	1.0	1	
043	met06_master	SAMPLE	466720-013	Soil	294378	08/08/22 11:40	1.0	1	
044	met06_master	SAMPLE	466720-014	Soil	294378	08/08/22 11:44	1.0	1	
045	met06_master	SAMPLE	466720-015	Soil	294378	08/08/22 11:47	1.0	1	
046	met06_master	SAMPLE	466772-001	Miscell.	294378	08/08/22 11:50	1.0	1	1:FE=220
047	met06_master	SAMPLE	466772-002	Miscell.	294378	08/08/22 11:54	1.0	1	1:FE=290
048	met06_master	CCV				08/08/22 11:57	1.0	10 1	
049	met06_master	CCB				08/08/22 12:00	1.0	1	
050	met06_master	SAMPLE	466772-003	Miscell.	294378	08/08/22 12:04	1.0	1	2:FE=230
051	met06_master	SAMPLE	466772-003	Miscell.	294378	08/08/22 12:07	10.0	1	
052	met06_master	SAMPLE	466772-004	Miscell.	294378	08/08/22 12:11	1.0	1	1:FE=300

Enthalpy Sequence Summary for Sequence 482317356

Instrument : MET06 Begun : 08/08/22 09:16
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met06_master	SAMPLE	466772-005	Miscell.	294378	08/08/22 12:14	1.0	1	1:FE=300
054	met06_master	BLANK	QC1005143	Wipe	294528	08/08/22 12:17	1.0	1	
055	met06_master	BS	QC1005144	Wipe	294528	08/08/22 12:21	1.0	1	
056	met06_master	BSD	QC1005145	Wipe	294528	08/08/22 12:24	1.0	1	
057	met06_master	SAMPLE	466919-002	Wipe	294528	08/08/22 12:27	1.0	1	
058	met06_master	SAMPLE	466919-004	Wipe	294528	08/08/22 12:31	1.0	1	
059	met06_master	SAMPLE	466919-007	Wipe	294528	08/08/22 12:34	1.0	1	
060	met06_master	CCV				08/08/22 12:37	1.0	10 1	
061	met06_master	CCB				08/08/22 12:40	1.0	1	
062	met06_master	SAMPLE	466919-009	Wipe	294528	08/08/22 12:44	1.0	1	
063	met06_master	SAMPLE	466919-010	Wipe	294528	08/08/22 12:47	1.0	1	
064	met06_master	SAMPLE	466919-012	Wipe	294528	08/08/22 12:50	1.0	1	
065	met06_master	SAMPLE	466921-002	Wipe	294528	08/08/22 12:54	1.0	1	
066	met06_master	SAMPLE	466921-004	Wipe	294528	08/08/22 12:57	1.0	1	
067	met06_master	SAMPLE	466921-006	Wipe	294528	08/08/22 13:00	1.0	1	
068	met06_master	SAMPLE	466921-008	Wipe	294528	08/08/22 13:04	1.0	1	
069	met06_master	BLANK	QC1004847	TCLP Leachate	294436	08/08/22 13:07	1.0	1	
070	met06_master	LCS	QC1004848	TCLP Leachate	294436	08/08/22 13:10	1.0	1	
071	met06_master	MSS	466371-002	TCLP Leachate	294436	08/08/22 13:14	1.0	1	1:SULFUR=690
072	met06_master	CCV				08/08/22 13:17	1.0	10 1	
073	met06_master	CCB				08/08/22 13:20	1.0	1	
074	met06_master	MS	QC1004849	TCLP Leachate	294436	08/08/22 13:24	1.0	1	1:SULFUR=710
075	met06_master	MSD	QC1004850	TCLP Leachate	294436	08/08/22 13:27	1.0	1	1:SULFUR=690
076	met06_master	MSS	466373-002	TCLP Leachate	294436	08/08/22 13:30	1.0	1	1:SULFUR=610
077	met06_master	MS	QC1004851	TCLP Leachate	294436	08/08/22 13:34	1.0	1	1:SULFUR=600
078	met06_master	MSD	QC1004852	TCLP Leachate	294436	08/08/22 13:37	1.0	1	1:SULFUR=660

SBW 08/08/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 077.

Standards used: 1=S13369 2=S17110 3=S17109 4=S17108 5=S17107 6=S16645 7=S17115 8=S17113 9=S17048 10=S17024 11=S16646 12=S16979 13=S17065

Enthalpy Internal Standard Summary for Sequence 482317356

Date : 08/08/22 Reference : met06_master
Sequence : MET06 08/08/22 Analyzed : 08/08/22 09:16

#	Type	Sample ID	Y H	Y A	Y R
		ICALBLK STD	27010512	1416424	460362
		LOWER LIMIT	8103154	424927	138109
		UPPER LIMIT	54021024	2832848	920724
012	ICB		27266158	1441464	460476
013	ICSA		24280137	1307155	421968
014	ICSAB		24347578	1307594	418612
015	MSS	466629-001	26208420	1371072	447706
016	MSS	466425-001	26233066	1391710	796691
017	MS	QC1004825	26135407	1383654	502694
018	MSD	QC1004826	26090817	1418411	766637
019	SAMPLE	466452-003	26764082	1415992	574298
020	SAMPLE	466687-001	25482157	1341583	430987
021	MSS	466708-001	26203151	1371734	439317
022	MS	QC1004667	25740485	1370320	435086
023	MSD	QC1004668	26043777	1365462	439754
024	CCV		26122765	1390834	440810
025	CCB		27649780	1477037	452158
026	PDS	QC1004669	26023643	1374131	440452
027	SAMPLE	466708-002	26158257	1395535	449015
028	SAMPLE	466708-003	25929847	1380624	442709
029	SAMPLE	466708-004	26000675	1368081	434474
030	SAMPLE	466708-005	26486754	1407412	444239
031	SAMPLE	466720-003	26290234	1399460	437399
032	SAMPLE	466720-004	26004763	1393144	435294
033	SAMPLE	466720-005	26125752	1403760	441131
034	SAMPLE	466720-006	26292452	1398153	439623
035	SAMPLE	466720-007	26867694	1393094	438970
036	CCV		26323338	1416749	439872
037	CCB		28142592	1502996	454358
038	SAMPLE	466720-008	26029168	1387211	419442
039	SAMPLE	466720-009	26383174	1415000	442386
040	SAMPLE	466720-010	26275485	1413821	444732
041	SAMPLE	466720-011	26515639	1419585	443443
042	SAMPLE	466720-012	26694070	1420806	442364
043	SAMPLE	466720-013	26662019	1425962	440913
044	SAMPLE	466720-014	26444649	1420734	438806
045	SAMPLE	466720-015	26967312	1447359	448663
046	SAMPLE	466772-001	26386567	1429739	444344
047	SAMPLE	466772-002	26806277	1465085	448598
048	CCV		26852705	1464911	440989
049	CCB		28686225	1551489	454642
050	SAMPLE	466772-003	27006588	1456125	451205
051	SAMPLE	466772-003	29778518	1619134	474769
052	SAMPLE	466772-004	26608605	1455913	437697
053	SAMPLE	466772-005	26924573	1476551	442801
054	BLANK	QC1005143	28285400	1543251	461016
055	BS	QC1005144	27980215	1529932	446792
056	BSD	QC1005145	28397074	1554776	453452
057	SAMPLE	466919-002	28507673	1548986	453772
058	SAMPLE	466919-004	28289821	1545479	455852
059	SAMPLE	466919-007	28310485	1561194	461784

Enthalpy Internal Standard Summary for Sequence 482317356

Date : 08/08/22 Reference : met06_master
Sequence : MET06 08/08/22 Analyzed : 08/08/22 09:16

#	Type	Sample ID	Y H	Y A	Y R
060	CCV		26615714	1490844	438909
061	CCB		28595899	1585149	462672
062	SAMPLE	466919-009	28417009	1555973	458418
063	SAMPLE	466919-010	28214746	1551277	455640
064	SAMPLE	466919-012	28299584	1552449	460292
065	SAMPLE	466921-002	28219074	1545916	451876
066	SAMPLE	466921-004	28415220	1537743	457557
067	SAMPLE	466921-006	28262049	1552481	458652
068	SAMPLE	466921-008	28754433	1567108	466185
069	BLANK	QC1004847	28874695	1570949	458289
070	LCS	QC1004848	28343358	1559582	456700
071	MSS	466371-002	27566694	1538204	450966
072	CCV		27088726	1504077	436420
073	CCB		29121941	1593685	458599
074	MS	QC1004849	27315053	1513314	449282
075	MSD	QC1004850	27393716	1512120	443883
076	MSS	466373-002	27332329	1514904	448526
077	MS	QC1004851	27392465	1519918	444595
078	MSD	QC1004852	27494251	1518412	444291

ENTHALPY INITIAL CALIBRATION FOR 466919 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	482317356001	Date:	08-AUG-2022 09:16
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master	482317356002	L1	08-AUG-2022 09:20	S17110, S13369 (100X)
L2	met06_master	482317356003	L2	08-AUG-2022 09:23	S17109, S13369 (100X)
L3	met06_master	482317356004	L3	08-AUG-2022 09:26	S17108, S13369 (100X)
L4	met06_master	482317356005	L4	08-AUG-2022 09:30	S17107, S13369 (100X)

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	0.0245	0.0409	0.0406	0.0380	WB1K	9.47E-4	26.2930		0.0360	1.000		5	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
WB1K: Linear regression with ICALBLK weighting factor of 1000

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D
Lead	A	0.0033	-7	0.1000	8	1.0000	7	10.000	0

SBW 08/08/22 : reprting mostly as

SLL 08/08/22 [Lead A]: Pb ok in calibration

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 466919 METALS Wipe
EPA 6010B

Inst : MET06
Calnum : 482317356001 Cal Date : 08-AUG-2022

ICV 482317356010 (08-AUG-2022) stds: S17024, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	1.014	mg/l	1	

ENTHALPY INSTRUMENT BLANK FOR 466919 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482317356012 File : met06_master Time : 08-AUG-2022 09:53
Cal : 482317356001 Caldate : 08-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27010512	27266158	0.95
Yttrium	A	1416424	1441464	1.77
Yttrium	R	460362	460476	0.02

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 466919 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482317356013 File : met06_master Time : 08-AUG-2022 09:57
Cal : 482317356001 Caldate : 08-AUG-2022
Standards: S16979, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	0.004818	0.003333	mg/l	!a+

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	140.2	mg/l	88	
Iron as Fe2O3	A	228.8	200.4	mg/l	88	
Aluminum	R	400.0	364.6	mg/l	91	
Aluminum as Al2O3	R	755.8	688.9	mg/l	91	
Calcium	R	400.0	395.6	mg/l	99	
Calcium as CaCO3	R	998.9	987.9	mg/l	99	
Magnesium	R	400.0	415.8	mg/l	104	
Magnesium as MgCO3	R	1388	1442	mg/l	104	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27010512	24280137	-10.11
Yttrium	A	1416424	1307155	-7.71
Yttrium	R	460362	421968	-8.34

!=warning +=high bias a=ICSA

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 466919 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482317356014 File : met06_master Time : 08-AUG-2022 10:00
Cal : 482317356001 Caldate : 08-AUG-2022
Standards: S17065, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	0.9984	mg/l	0	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27010512	24347578	-9.86
Yttrium	A	1416424	1307594	-7.68
Yttrium	R	460362	418612	-9.07

ENTHALPY CONTINUING CALIBRATION FOR 466919 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482317356048 File : met06_master Time : 08-AUG-2022 11:57
Cal : 482317356001 Caldate : 08-AUG-2022
Standards: S17024, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0360	0.0391	1.000	1.028	mg/l	3	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27010512	26852705	-0.58
Yttrium	A	1416424	1464911	3.42
Yttrium	R	460362	440989	-4.21

ENTHALPY INSTRUMENT BLANK FOR 466919 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482317356049 File : met06_master Time : 08-AUG-2022 12:00
Cal : 482317356001 Caldate : 08-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27010512	28686225	6.20
Yttrium	A	1416424	1551489	9.54
Yttrium	R	460362	454642	-1.24

ENTHALPY CONTINUING CALIBRATION FOR 466919 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482317356060 File : met06_master Time : 08-AUG-2022 12:37
Cal : 482317356001 Caldate : 08-AUG-2022
Standards: S17024, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0360	0.0397	1.000	1.044	mg/l	4	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27010512	26615714	-1.46
Yttrium	A	1416424	1490844	5.25
Yttrium	R	460362	438909	-4.66

ENTHALPY INSTRUMENT BLANK FOR 466919 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482317356061 File : met06_master Time : 08-AUG-2022 12:40
Cal : 482317356001 Caldate : 08-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27010512	28595899	5.87
Yttrium	A	1416424	1585149	11.91
Yttrium	R	460362	462672	0.50

ENTHALPY CONTINUING CALIBRATION FOR 466919 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482317356072 File : met06_master Time : 08-AUG-2022 13:17
Cal : 482317356001 Caldate : 08-AUG-2022
Standards: S17024, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0360	0.0397	1.000	1.044	mg/l	4	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27010512	27088726	0.29
Yttrium	A	1416424	1504077	6.19
Yttrium	R	460362	436420	-5.20

ENTHALPY INSTRUMENT BLANK FOR 466919 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482317356073 File : met06_master Time : 08-AUG-2022 13:20
Cal : 482317356001 Caldate : 08-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27010512	29121941	7.82
Yttrium	A	1416424	1593685	12.51
Yttrium	R	460362	458599	-0.38

SAMPLE PREPARATION SUMMARY

Batch # : 294528
Started By : KAM
Prep Date : 08-AUG-2022 09:02
Method : 3050B
Spike #1 ID : S16855
Spike #2 ID : S16906
Analysis : ICP
Finished By : KAM
Units : ft2

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
466919-002		Wipe	1	100	1	100.0						6010	
466919-004		Wipe	1.0276	100	1	97.31						6010	
466919-007		Wipe	1	100	1	100.0						6010	
466919-009		Wipe	1.12	100	1	89.29						6010	
466919-010		Wipe	1	100	1	100.0						6010	
466919-012		Wipe	1.06	100	1	94.34						6010	
466921-002		Wipe	1.06	100	1	94.34						6010	
466921-004		Wipe	1.0276	100	1	97.31						6010	
466921-006		Wipe	1.06	100	1	94.34						6010	
466921-008		Wipe	1	100	1	100.0						6010	
QC1005143	BLANK	Wipe	1	100	1	100.0						ICP	
QC1005144	BS	Wipe	1	100	1	100.0		1	1			ICP	
QC1005145	BSD	Wipe	1	100	1	100.0		1	1			ICP	

Analyst: SBW Date: 08/08/22 Reviewer: SLL Date: 08/08/22

ICP Prep Log

Initials: KM Prep Method: 3050B (Wipe) / 3010A / 200.7 / STLC QC Batch #: 294528 Thermometer ID: 918625

Prep Start, Date/Time: 8/8/22 9:02 Prep End, Date/Time: 8/10/22 11:37 HotBlock Temperature, °C: 95°

HotBlock ID: 3

Sample ID	Bottle #	Sample pH (Water Only)	Sample Appearance	Initial Vol. or Weight (mL or g)	Bal. ID	Final Vol (mL)	Digestion Tube Lot#	Comment
Blank	-----	-----	-----	/	NA	100	2202231	
LCS	-----	-----	-----					
460919-2	A	NA	Wipe	Wipe				
-4	↓	↓	↓	↓	↓	↓	↓	
-7								
-9								
-10								
-12								
460921-2								
-4								
-6								
-8	↓	↓	↓	↓	↓	↓	↓	
LCSD	—	—	—	—				

8/10/22 KM

Hydrochloric Acid ID: 10 ml 22160149

Nitric Acid ID: 10ml 2022050938

H_2O_2 ID: 3 ml 131502

LCS Spike ID: 1 ml (S160855, S160906)

MS/MSD Spike ID: NA NA

ICP Raw Data

Enthalpy Sequence Summary for Sequence 482317356

Instrument : MET06 Begun : 08/08/22 09:16
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master	ICALBLK	CALBLANK			08/08/22 09:16	1.0	1	
002	met06_master	ICAL	L1			08/08/22 09:20	1.0	2 1	
003	met06_master	ICAL	L2			08/08/22 09:23	1.0	3 1	
004	met06_master	ICAL	L3			08/08/22 09:26	1.0	4 1	
005	met06_master	ICAL	L4			08/08/22 09:30	1.0	5 1	
006	met06_master	ICAL	L5			08/08/22 09:33	1.0	6 1	
007	met06_master	ICAL	L6			08/08/22 09:36	1.0	7 1	
008	met06_master	ICAL	L7			08/08/22 09:40	1.0	8 1	
009	met06_master	ICAL	L8			08/08/22 09:43	1.0	9 1	
010	met06_master	ICV				08/08/22 09:47	1.0	10 1	
011	met06_master	CRI				08/08/22 09:50	1.0	11 1	
012	met06_master	ICB				08/08/22 09:53	1.0	1	
013	met06_master	ICSA				08/08/22 09:57	1.0	12 1	4:MGASMGCO3=1400
014	met06_master	ICSAB				08/08/22 10:00	1.0	13 1	5:MGASMGCO3=1400
015	met06_master	MSS	466629-001	Soil	294388	08/08/22 10:08	1.0	1	2:FEASFE2O3=210
016	met06_master	MSS	466425-001	Soil	294426	08/08/22 10:11	1.0	1	3:FEASFE2O3=230
017	met06_master	MS	QC1004825	Soil	294426	08/08/22 10:14	1.0	1	5:FEASFE2O3=260
018	met06_master	MSD	QC1004826	Soil	294426	08/08/22 10:17	1.0	1	4:FEASFE2O3=280
019	met06_master	SAMPLE	466452-003	Soil	294426	08/08/22 10:21	1.0	1	2:FE=170
020	met06_master	SAMPLE	466687-001	Miscell.	294377	08/08/22 10:24	1.0	1	
021	met06_master	MSS	466708-001	Soil	294377	08/08/22 10:27	1.0	1	2:ALASAL2O3=170
022	met06_master	MS	QC1004667	Soil	294377	08/08/22 10:31	1.0	1	2:ALASAL2O3=200
023	met06_master	MSD	QC1004668	Soil	294377	08/08/22 10:34	1.0	1	2:ALASAL2O3=140
024	met06_master	CCV				08/08/22 10:37	1.0	10 1	
025	met06_master	CCB				08/08/22 10:41	1.0	1	
026	met06_master	PDS	QC1004669	Soil	294377	08/08/22 10:44	1.0	1	2:ALASAL2O3=160
027	met06_master	SAMPLE	466708-002	Soil	294377	08/08/22 10:47	1.0	1	
028	met06_master	SAMPLE	466708-003	Soil	294377	08/08/22 10:51	1.0	1	
029	met06_master	SAMPLE	466708-004	Soil	294377	08/08/22 10:54	1.0	1	
030	met06_master	SAMPLE	466708-005	Soil	294377	08/08/22 10:57	1.0	1	
031	met06_master	SAMPLE	466720-003	Soil	294378	08/08/22 11:01	1.0	1	
032	met06_master	SAMPLE	466720-004	Soil	294378	08/08/22 11:04	1.0	1	
033	met06_master	SAMPLE	466720-005	Soil	294378	08/08/22 11:07	1.0	1	
034	met06_master	SAMPLE	466720-006	Soil	294378	08/08/22 11:11	1.0	1	
035	met06_master	SAMPLE	466720-007	Soil	294378	08/08/22 11:14	1.0	1	
036	met06_master	CCV				08/08/22 11:17	1.0	10 1	
037	met06_master	CCB				08/08/22 11:21	1.0	1	
038	met06_master	SAMPLE	466720-008	Soil	294378	08/08/22 11:24	1.0	1	
039	met06_master	SAMPLE	466720-009	Soil	294378	08/08/22 11:27	1.0	1	
040	met06_master	SAMPLE	466720-010	Soil	294378	08/08/22 11:30	1.0	1	
041	met06_master	SAMPLE	466720-011	Soil	294378	08/08/22 11:34	1.0	1	
042	met06_master	SAMPLE	466720-012	Soil	294378	08/08/22 11:37	1.0	1	
043	met06_master	SAMPLE	466720-013	Soil	294378	08/08/22 11:40	1.0	1	
044	met06_master	SAMPLE	466720-014	Soil	294378	08/08/22 11:44	1.0	1	
045	met06_master	SAMPLE	466720-015	Soil	294378	08/08/22 11:47	1.0	1	
046	met06_master	SAMPLE	466772-001	Miscell.	294378	08/08/22 11:50	1.0	1	1:FE=220
047	met06_master	SAMPLE	466772-002	Miscell.	294378	08/08/22 11:54	1.0	1	1:FE=290
048	met06_master	CCV				08/08/22 11:57	1.0	10 1	
049	met06_master	CCB				08/08/22 12:00	1.0	1	
050	met06_master	SAMPLE	466772-003	Miscell.	294378	08/08/22 12:04	1.0	1	2:FE=230
051	met06_master	SAMPLE	466772-003	Miscell.	294378	08/08/22 12:07	10.0	1	
052	met06_master	SAMPLE	466772-004	Miscell.	294378	08/08/22 12:11	1.0	1	1:FE=300

Enthalpy Sequence Summary for Sequence 482317356

Instrument : MET06 Begun : 08/08/22 09:16
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met06_master	SAMPLE	466772-005	Miscell.	294378	08/08/22 12:14	1.0	1	1:FE=300
054	met06_master	BLANK	QC1005143	Wipe	294528	08/08/22 12:17	1.0	1	
055	met06_master	BS	QC1005144	Wipe	294528	08/08/22 12:21	1.0	1	
056	met06_master	BSD	QC1005145	Wipe	294528	08/08/22 12:24	1.0	1	
057	met06_master	SAMPLE	466919-002	Wipe	294528	08/08/22 12:27	1.0	1	
058	met06_master	SAMPLE	466919-004	Wipe	294528	08/08/22 12:31	1.0	1	
059	met06_master	SAMPLE	466919-007	Wipe	294528	08/08/22 12:34	1.0	1	
060	met06_master	CCV				08/08/22 12:37	1.0	10 1	
061	met06_master	CCB				08/08/22 12:40	1.0	1	
062	met06_master	SAMPLE	466919-009	Wipe	294528	08/08/22 12:44	1.0	1	
063	met06_master	SAMPLE	466919-010	Wipe	294528	08/08/22 12:47	1.0	1	
064	met06_master	SAMPLE	466919-012	Wipe	294528	08/08/22 12:50	1.0	1	
065	met06_master	SAMPLE	466921-002	Wipe	294528	08/08/22 12:54	1.0	1	
066	met06_master	SAMPLE	466921-004	Wipe	294528	08/08/22 12:57	1.0	1	
067	met06_master	SAMPLE	466921-006	Wipe	294528	08/08/22 13:00	1.0	1	
068	met06_master	SAMPLE	466921-008	Wipe	294528	08/08/22 13:04	1.0	1	
069	met06_master	BLANK	QC1004847	TCLP Leachate	294436	08/08/22 13:07	1.0	1	
070	met06_master	LCS	QC1004848	TCLP Leachate	294436	08/08/22 13:10	1.0	1	
071	met06_master	MSS	466371-002	TCLP Leachate	294436	08/08/22 13:14	1.0	1	1:SULFUR=690
072	met06_master	CCV				08/08/22 13:17	1.0	10 1	
073	met06_master	CCB				08/08/22 13:20	1.0	1	
074	met06_master	MS	QC1004849	TCLP Leachate	294436	08/08/22 13:24	1.0	1	1:SULFUR=710
075	met06_master	MSD	QC1004850	TCLP Leachate	294436	08/08/22 13:27	1.0	1	1:SULFUR=690
076	met06_master	MSS	466373-002	TCLP Leachate	294436	08/08/22 13:30	1.0	1	1:SULFUR=610
077	met06_master	MS	QC1004851	TCLP Leachate	294436	08/08/22 13:34	1.0	1	1:SULFUR=600
078	met06_master	MSD	QC1004852	TCLP Leachate	294436	08/08/22 13:37	1.0	1	1:SULFUR=660

SBW 08/08/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 077.

Standards used: 1=S13369 2=S17110 3=S17109 4=S17108 5=S17107 6=S16645 7=S17115 8=S17113 9=S17048 10=S17024 11=S16646 12=S16979 13=S17065

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 466919-002	Client ID	: DOOR-N-0.5GW-DG-7 TO 20-220805-L-LA
Seqnum	: 482317356057	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 294528	Time	: 08-AUG-2022 12:27
Cal	: 482317356001	Caldate	: 08-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.160	120	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1416424	1548986	9.36

u=use

482317356057

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 466919-002,294528 | Sample Type: Unknown Sample

Measure Date: 2022-08-08 12:27:44 | Recalculation Date: | State: Measured | Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	58326.05800	9876.15320	5974.09660	9114.79020	14333.87900	145481	10013.89100
Int RSD	*1.72477609*	*2.03969234*	*0.48229749*	*1.35968527*	*1.08213192*	*0.68825774*	*0.06577655*
Int SD	*1005.99390*	*201.44314000*	*28.81291800*	*123.93246000*	*155.11148000*	*1001.28480*	*6.58679160*
RelInt Mean	0.00002880	0.01615424	0.00008249	0.00128776	0.00391759	0.32123396	0.00147143
RelInt RSD	*12.44356138*	*4.87318143*	*18.87843713*	*5.20950801*	*1.98392818*	*2.52618945*	*1.68620252*
RelInt SD	*0.00000358*	*0.00078723*	*0.00001557*	*0.00006709*	*0.00007772*	*0.00811498*	*0.00002481*
Conc Mean	<-0.00000918[mg/l]	2.06610770[mg/l]	0.00296682[mg/l]	<0.00180003[mg/l]	0.01071649[mg/l]	16.02288400[mg/l]	0.00745883[mg/l]
Conc RSD	*1305.23859*	*5.18554817*	*21.78166770*	*41.95649951*	*2.17392425*	*2.54153403*	*2.10281229*
Conc SD	*0.00011979[mg/l]*	*0.10713901[mg/l]*	*0.00064622[mg/l]*	*0.00075523[mg/l]*	*0.00023297[mg/l]*	*0.40722705[mg/l]*	*0.00015685[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	12978.53000	361153	22629922	3361.83010	8099.77000	701512	6488.20230
Int RSD	*1.85198193*	*1.32830033*	*0.83804867*	*3.83928177*	*1.48902598*	*1.46542824*	*2.04520010*
Int SD	*240.36003000*	*4797.19370*	*189650*	*129.07013000*	*120.60768000*	*10280.15600*	*132.69672000*
RelInt Mean	0.00385926	0.01097526	14.70525600	0.00677754	0.01203506	0.44952289	0.00028039
RelInt RSD	*3.75125636*	*1.53324754*	*1.18617554*	*3.76376589*	*3.62602815*	*1.54367765*	*39.13041959*
RelInt SD	*0.00014477*	*0.00016828*	*0.17443015*	*0.00025509*	*0.00043639*	*0.00693918*	*0.00010972*
Conc Mean	0.02338503[mg/l]	0.27941881[mg/l]	45.49913600[mg/l]	5.41307050[mg/l]	3.40337360[mg/l]	0.26990293[mg/l]	<-0.01461252[mg/l]
Conc RSD	*3.96343853*	*1.60313982*	*1.18641547*	*3.70976159*	*3.72114246*	*1.54801524*	*5.07996156*
Conc SD	*0.00092685[mg/l]*	*0.00447947[mg/l]*	*0.53980879[mg/l]*	*0.20081201[mg/l]*	*0.12664438[mg/l]*	*0.00417814[mg/l]*	*0.00074231[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	81807.98200	27501.49000	76847.13100	7533.16560	5773.92900	10075.55900	13271.22000
Int RSD	*1.31103833*	*0.42179755*	*0.23815109*	*1.60265998*	*0.20070728*	*0.54303488*	*2.46978168*
Int SD	*1072.53400*	*116.00061000*	*183.01228000*	*120.73103000*	*11.58869600*	*54.71380000*	*327.77016000*
RelInt Mean	0.15932779	0.01247936	0.04408458	0.00077727	0.00003537	0.00220985	0.02556628
RelInt RSD	*3.14424709*	*0.39721065*	*0.54494783*	*9.86899615*	*21.12224572*	*0.58375486*	*4.44150663*
RelInt SD	*0.00500966*	*0.00004957*	*0.00024024*	*0.00007671*	*0.00000747*	*0.00001290*	*0.00113553*
Conc Mean	6.67398250[mg/l]	0.09504643[mg/l]	1.15960060[mg/l]	0.01254349[mg/l]	<0.00091197[mg/l]	0.02698512[mg/l]	0.01752319[mg/l]
Conc RSD	*3.14501229*	*0.40546140*	*0.54289254*	*24.07017555*	*34.37302621*	*0.80377985*	*4.94694532*
Conc SD	*0.20989757[mg/l]*	*0.00038538[mg/l]*	*0.00629539[mg/l]*	*0.00301924[mg/l]*	*0.00031347[mg/l]*	*0.00021690[mg/l]*	*0.00086686[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	676479	5292.01340	17321.74000	1548986	28507673	453772	644959
Int RSD	*7.21269124*	*0.29048713*	*0.60551596*	*0.38337688*	*0.29766164*	*1.83241633*	*0.31815442*
Int SD	*48792.33800*	*15.37261800*	*104.88590000*	*5938.45260*	*84856.40700*	*8314.98490*	*2051.96540*
RelInt Mean	0.02156218	-0.00035051	0.00013000	---	---	---	0.41544910
RelInt RSD	*8.10780551*	*3.04078894*	*5.69410871*	---	---	---	*0.29300480*
RelInt SD	*0.00174822*	*0.00001066*	*0.00000740*	---	---	---	*0.00121729*
Conc Mean	0.16479969[mg/l]	<-0.11740075[mg/l]	<0.00328078[mg/l]	1538160	28426337	451687	1.21926490[mg/l]
Conc RSD	*8.90268180*	*0.58190948*	*36.06241704*	---	---	---	*0.29381956*
Conc SD	*0.01467159[mg/l]*	*0.00068317[mg/l]*	*0.00118313[mg/l]*	*5985.32990*	*84961.72800*	*8356.08130*	*0.00358244[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	274.52668000	8216.50580	432541	27927.98600	8154.25060	156700	
Int RSD	*28.09999451*	*0.91982659*	*0.99326824*	*0.21279976*	*0.34992953*	*0.48022878*	
Int SD	*77.14198200*	*75.57760500*	*4296.28910*	*59.43068800*	*28.53413100*	*752.51609000*	
RelInt Mean	-0.00017820	0.00160212	0.27603540	0.01357741	0.00011817	0.09694800	
RelInt RSD	*131.57963496*	*5.12184246*	*0.72773883*	*0.04616058*	*41.22272195*	*0.58281193*	
RelInt SD	*0.00023447*	*0.00008206*	*0.00200882*	*0.00000627*	*0.00004871*	*0.00056502*	
Conc Mean	<-0.00008387[mg/l]	0.01059046[mg/l]	3.79273850[mg/l]	0.29781195[mg/l]	<-0.00058871[mg/l]	4.58417700[mg/l]	
Conc RSD	*745.33893618*	*6.85833087*	*0.73160269*	*0.04648871*	*27.56657454*	*0.58212399*	
Conc SD	*0.00062510[mg/l]*	*0.00072633[mg/l]*	*0.02774778[mg/l]*	*0.00013845[mg/l]*	*0.00016229[mg/l]*	*0.02668559[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 466919-004	Client ID	: DOOR-N-0.8GW-EXT-5 TO 6-220805-L-CB
Seqnum	: 482317356058	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 294528	Time	: 08-AUG-2022 12:31
Cal	: 482317356001	Caldate	: 08-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.03 ft2 --> 100.0 ml = 97.31 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.242	120	0.49		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1416424	1545479	9.11

u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 466919-004,294528			Sample Type: Unknown Sample
Measure Date: 2022-08-08 12:31:03	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	59454.10000	8976.27430	6272.56550	9182.34750	13261.51100	146653	10829.46600
Int RSD	*0.84103841*	*0.72527508*	*0.71348079*	*0.25397977*	*0.10795004*	*0.91220490*	*0.54590259*
Int SD	*500.03182000*	*65.10268100*	*44.75355000*	*23.32130500*	*14.31580600*	*1337.77540*	*59.11833500*
RelInt Mean	0.00004818	0.01424908	0.00043721	0.00123852	0.00317992	0.32232044	0.00195163
RelInt RSD	*35.76599821*	*2.28388026*	*10.26691383*	*2.51388117*	*0.36366024*	*0.20437720*	*1.48899147*
RelInt SD	*0.00001723*	*0.00032543*	*0.00004489*	*0.00003113*	*0.00001156*	*0.00065875*	*0.00002906*
Conc Mean	<0.00063851[mg/l]	1.80682050[mg/l]	0.01770798[mg/l]	<0.00124569[mg/l]	0.00853285[mg/l]	16.07740600[mg/l]	0.01015253[mg/l]
Conc RSD	*90.20382764*	*2.45128600*	*10.53070415*	*28.13738933*	*0.40271590*	*0.20561647*	*1.48563156*
Conc SD	*0.00057596[mg/l]*	*0.04429034[mg/l]*	*0.00186478[mg/l]*	*0.00035051[mg/l]*	*0.00003436[mg/l]*	*0.03305779[mg/l]*	*0.00015083[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	11893.26300	2159826	29020142	3495.43590	7242.52040	784537	6346.80800
Int RSD	*0.23813557*	*1.14122742*	*0.74442327*	*2.81776588*	*0.71695004*	*1.05872321*	*0.27282521*
Int SD	*28.32209000*	*24648.53000*	*216033*	*98.49320000*	*51.92525300*	*8306.07940*	*17.31569200*
RelInt Mean	0.00305214	0.07465619	18.90409100	0.00708839	0.01024636	0.50454193	0.00016980
RelInt RSD	*0.84005099*	*1.98007913*	*0.46147208*	*3.08631861*	*0.51988182*	*0.78083766*	*5.66420516*
RelInt SD	*0.00002564*	*0.00147825*	*0.08723710*	*0.00021877*	*0.00005327*	*0.00393965*	*0.00000962*
Conc Mean	0.01821768[mg/l]	1.97457100[mg/l]	58.49327000[mg/l]	5.65777890[mg/l]	2.88428100[mg/l]	0.30303034[mg/l]	<-0.01536072[mg/l]
Conc RSD	*0.90104275*	*1.99284943*	*0.46154375*	*3.04394963*	*0.53597319*	*0.78279013*	*0.42361833*
Conc SD	*0.00016415[mg/l]*	*0.03935023[mg/l]*	*0.26997203[mg/l]*	*0.17221994[mg/l]*	*0.01545897[mg/l]*	*0.00237209[mg/l]*	*0.00006507[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	88248.48700	29596.10600	81507.72700	7045.15300	5609.49630	12047.96300	11331.73400
Int RSD	*0.32987776*	*0.38296095*	*0.21177722*	*0.14645527*	*0.28086925*	*1.44805914*	*1.08237327*
Int SD	*291.11213000*	*113.34153000*	*172.61480000*	*10.31799800*	*15.75535000*	*174.46163000*	*122.65166000*
RelInt Mean	0.17292042	0.01382316	0.04720288	0.00051176	-0.00002614	0.00380103	0.02128009
RelInt RSD	*1.10686575*	*0.23463171*	*0.42012974*	*2.86059401*	*98.33239416*	*3.02581703*	*1.02255662*
RelInt SD	*0.00191400*	*0.00003243*	*0.00019831*	*0.00001464*	*0.00002571*	*0.00011501*	*0.00021760*
Conc Mean	7.24349460[mg/l]	0.10549388[mg/l]	1.24163820[mg/l]	<0.00212781[mg/l]	<-0.00166910[mg/l]	0.05373914[mg/l]	0.01425111[mg/l]
Conc RSD	*1.10711484*	*0.23902211*	*0.41941650*	*27.04629365*	*64.62731747*	*3.59850995*	*1.16564193*
Conc SD	*0.08019380[mg/l]*	*0.00025215[mg/l]*	*0.00520764[mg/l]*	*0.00057549[mg/l]*	*0.00107869[mg/l]*	*0.00193381[mg/l]*	*0.00016612[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	473945	5096.39780	17060.52400	1545479	28289821	455852	1062586
Int RSD	*7.55375614*	*0.09648067*	*0.91812344*	*0.28787702*	*0.87599179*	*0.81637690*	*0.07605183*
Int SD	*35800.67900*	*4.91703890*	*156.63667000*	*4449.07830*	*247817*	*3721.47050*	*808.11606000*
RelInt Mean	0.01453848	-0.00032447	0.00010641	---	---	---	0.68860275
RelInt RSD	*7.91813710*	*3.38354640*	*2.26900755*	---	---	---	*0.31285765*
RelInt SD	*0.00115118*	*0.00001098*	*0.00000241*	---	---	---	*0.00215435*
Conc Mean	0.10585465[mg/l]	<-0.11561594[mg/l]	<-0.00049016[mg/l]	1534470	28207957	453786	2.02318510[mg/l]
Conc RSD	*9.12668919*	*0.59763802*	*78.74312096*	---	---	---	*0.31338557*
Conc SD	*0.00966102[mg/l]*	*0.00069096[mg/l]*	*0.00038597[mg/l]*	*4433.08440*	*247962*	*3799.97540*	*0.00634037[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	151.92878000	8154.14450	381929	25608.81600	8247.93670	119102	
Int RSD	*81.91480245*	*1.92418408*	*0.13153434*	*0.14789629*	*0.47398577*	*0.18030193*	
Int SD	*124.45216000*	*156.90075000*	*502.36751000*	*37.87448900*	*39.09404600*	*214.74319000*	
RelInt Mean	-0.00045684	0.00166255	0.24367038	0.01229231	0.00007343	0.07281203	
RelInt RSD	*23.47124868*	*18.43900393*	*0.39047155*	*0.51977259*	*53.73428404*	*0.47349080*	
RelInt SD	*0.00010723*	*0.00030656*	*0.00095146*	*0.00006389*	*0.00003946*	*0.00034476*	
Conc Mean	<-0.00082674[mg/l]	0.01112528[mg/l]	3.34592430[mg/l]	0.26942407[mg/l]	<-0.00078956[mg/l]	3.44425620[mg/l]	
Conc RSD	*34.57765349*	*24.38996282*	*0.39263635*	*0.52385063*	*15.63846339*	*0.47274721*	
Conc SD	*0.00028587[mg/l]*	*0.00271345[mg/l]*	*0.01313732[mg/l]*	*0.00141138[mg/l]*	*0.00012347[mg/l]*	*0.01628262[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 466919-007	Client ID	: DOOR-N-0.9GW-PS-21-220805-L-G
Seqnum	: 482317356059	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 294528	Time	: 08-AUG-2022 12:34
Cal	: 482317356001	Caldate	: 08-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.451	150	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1416424	1561194	10.22

u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 466919-007,294528			Sample Type: Unknown Sample
Measure Date: 2022-08-08 12:34:22	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	58562.57100	8323.33920	5521.19830	8895.41190	12595.74200	112459	10336.67400
Int RSD	*0.27108436*	*5.29483215*	*0.17490284*	*1.17138634*	*0.47154950*	*1.19008198*	*0.28284098*
Int SD	*158.75397000*	*440.70684000*	*9.65673250*	*104.19964000*	*59.39515800*	*1338.35310*	*29.23635000*
RelInt Mean	0.00002516	0.01313056	0.00008400	0.00110592	0.00281738	0.24396309	0.00168239
RelInt RSD	*14.61895364*	*4.20284634*	*37.93517392*	*6.26612661*	*2.33210185*	*0.97976468*	*0.56127870*
RelInt SD	*0.00000368*	*0.00055186*	*0.00003187*	*0.00006930*	*0.00006570*	*0.00239026*	*0.00000944*
Conc Mean	<-0.00013082[mg/l]	1.65459360[mg/l]	<0.00303137[mg/l]	<-0.00024702[mg/l]	0.00745973[mg/l]	12.14526600[mg/l]	0.00864665[mg/l]
Conc RSD	*93.98057123*	*4.53924807*	*43.69219051*	*315.81465000*	*2.62340803*	*0.98761336*	*0.89050104*
Conc SD	*0.00012295[mg/l]*	*0.07510611[mg/l]*	*0.00132447[mg/l]*	*0.00078014[mg/l]*	*0.00019570[mg/l]*	*0.11994827[mg/l]*	*0.00007700[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	12580.00100	153335	24563920	2741.87910	7308.10190	886723	6086.91740
Int RSD	*1.91401710*	*0.82418447*	*0.32592387*	*6.62082876*	*5.53314671*	*0.98461272*	*1.21940071*
Int SD	*240.78337000*	*1263.76210*	*80059.67900*	*181.53512000*	*404.36800000*	*8730.78530*	*74.22391400*
RelInt Mean	0.00354948	0.00370620	15.83614200	0.00534826	0.01039492	0.56541104	0.00011351
RelInt RSD	*3.98098148*	*2.05555924*	*0.30430366*	*6.35215090*	*5.74456768*	*1.08835464*	*34.14163628*
RelInt SD	*0.00014130*	*0.00007618*	*0.04818996*	*0.00033973*	*0.00059714*	*0.00615368*	*0.00003875*
Conc Mean	0.02140173[mg/l]	0.08592031[mg/l]	48.99889000[mg/l]	4.28791950[mg/l]	2.92739510[mg/l]	0.33968012[mg/l]	<-0.01574157[mg/l]
Conc RSD	*4.22702478*	*2.36027511*	*0.30436159*	*6.23708887*	*5.91975986*	*1.09078474*	*1.66563267*
Conc SD	*0.00090466[mg/l]*	*0.00202796[mg/l]*	*0.14913380[mg/l]*	*0.26744135[mg/l]*	*0.17329476[mg/l]*	*0.00370518[mg/l]*	*0.00026220[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	65480.55900	15241.04100	94512.65700	6625.62620	5490.27750	7822.47690	9756.78030
Int RSD	*1.34725522*	*0.58860836*	*0.36134104*	*0.36316297*	*0.17372096*	*0.43095018*	*4.59261986*
Int SD	*882.19025000*	*89.71004100*	*341.51302000*	*24.06182100*	*9.53776300*	*33.71097800*	*448.09183000*
RelInt Mean	0.12153105	0.00451383	0.05516468	0.00030175	0.00003669	0.00125269	0.01773387
RelInt RSD	*1.02841982*	*1.23071126*	*0.39801813*	*3.74934631*	*15.35994387*	*1.25815176*	*4.15223552*
RelInt SD	*0.00124985*	*0.00005555*	*0.00021957*	*0.00001131*	*0.00000564*	*0.00001576*	*0.00073635*
Conc Mean	5.09035260[mg/l]	0.03311843[mg/l]	1.45099850[mg/l]	<-0.00615355[mg/l]	<0.00096737[mg/l]	<0.01089143[mg/l]	0.01154392[mg/l]
Conc RSD	*1.02874636*	*1.30407936*	*0.39884065*	*7.26990831*	*24.44396534*	*2.43309954*	*4.86950091*
Conc SD	*0.05236682[mg/l]*	*0.00043189[mg/l]*	*0.00578717[mg/l]*	*0.00044736[mg/l]*	*0.00023646[mg/l]*	*0.00026500[mg/l]*	*0.00056213[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	576208	4956.94360	17341.76300	1561194	28310485	461784	460152
Int RSD	*11.83494259*	*0.13231930*	*1.16136612*	*0.37757844*	*0.86935233*	*0.18798224*	*0.27809321*
Int SD	*68193.93100*	*6.55899320*	*201.40136000*	*5894.73190*	*246118*	*868.07241000*	*1279.65070*
RelInt Mean	0.01816734	-0.00028361	0.00012616	---	---	---	0.29307345
RelInt RSD	*13.79318740*	*3.00785297*	*5.50999363*	---	---	---	*0.63032144*
RelInt SD	*0.00250585*	*0.00000853*	*0.00000695*	---	---	---	*0.00184730*
Conc Mean	0.13630912[mg/l]	<-0.11312790[mg/l]	<0.00266724[mg/l]	1550394	28228944	459728	0.85910260[mg/l]
Conc RSD	*15.42809388*	*0.51720873*	*41.65979628*	---	---	---	*0.63281745*
Conc SD	*0.02102990[mg/l]*	*0.00058511[mg/l]*	*0.00111117[mg/l]*	*5905.70190*	*246528*	*759.95893000*	*0.00543655[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	167.18796000	8003.83240	380520	24564.72800	7961.85440	119175	
Int RSD	*35.28830246*	*2.76901850*	*0.76075233*	*0.54588302*	*0.28688652*	*0.56572709*	
Int SD	*58.99779300*	*221.62760000*	*2894.81590*	*134.09468000*	*22.84148700*	*674.20419000*	
RelInt Mean	-0.00033230	0.00163381	0.24024638	0.01168883	-0.00000163	0.07221562	
RelInt RSD	*32.76874704*	*20.65236783*	*0.82822155*	*0.51651812*	*2811.67840*	*0.94509977*	
RelInt SD	*0.00010889*	*0.00033742*	*0.00198977*	*0.00006037*	*0.00004585*	*0.00068251*	
Conc Mean	<-0.00049473[mg/l]	0.01087095[mg/l]	3.29866130[mg/l]	0.25609319[mg/l]	<-0.00098315[mg/l]	3.41608850[mg/l]	
Conc RSD	*58.68059207*	*27.47360326*	*0.83295333*	*0.52078199*	*15.33780092*	*0.94360342*	
Conc SD	*0.00029031[mg/l]*	*0.00298664[mg/l]*	*0.02747631[mg/l]*	*0.00133369[mg/l]*	*0.00015079[mg/l]*	*0.03223433[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 466919-009	Client ID	: DOOR-N-0.8GE-INT-20 TO 21-220805-L-CB
Seqnum	: 482317356062	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 294528	Time	: 08-AUG-2022 12:44
Cal	: 482317356001	Caldate	: 08-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.12 ft2 --> 100.0 ml = 89.29 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.151	100	0.45		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1416424	1555973	9.85

u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 466919-009,294528			Sample Type: Unknown Sample
Measure Date: 2022-08-08 12:44:17	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	58201.86500	7615.71880	5917.42360	8744.34330	12135.52200	125642	9614.19860
Int RSD	*0.36066772*	*1.05815383*	*0.31935752*	*1.72764008*	*1.18452803*	*0.59052553*	*0.92936732*
Int SD	*209.91534000*	*80.58602000*	*18.89773700*	*151.07078000*	*143.74866000*	*741.94708000*	*89.35122000*
RelInt Mean	0.00003520	0.01142252	0.00027029	0.00114525	0.00258706	0.27464679	0.00127084
RelInt RSD	*17.85790580*	*0.87435260*	*7.27700508*	*7.41984890*	*4.41185942*	*0.32620150*	*4.23155869*
RelInt SD	*0.00000629*	*0.00009987*	*0.00001967*	*0.00008498*	*0.00011414*	*0.00089590*	*0.00005378*
Conc Mean	<0.00020478[mg/l]	1.42213480[mg/l]	0.01076734[mg/l]	<0.00019573[mg/l]	0.00677611[mg/l]	13.68504000[mg/l]	0.00646740[mg/l]
Conc RSD	*102.61078745*	*0.95577466*	*7.58911926*	*488.75829104*	*4.99531922*	*0.32852058*	*4.52640657*
Conc SD	*0.00021012[mg/l]*	*0.01359240[mg/l]*	*0.00081715[mg/l]*	*0.00095663[mg/l]*	*0.00033849[mg/l]*	*0.04495817[mg/l]*	*0.00029274[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	13351.81100	1244262	20886540	2924.16250	7197.58490	709441	6091.23300
Int RSD	*1.02064754*	*1.17493931*	*0.38490599*	*4.80694182*	*1.43308376*	*1.42239707*	*1.72642337*
Int SD	*136.27493000*	*14619.32800*	*80393.54300*	*140.56279000*	*103.14742000*	*10091.06900*	*105.16047000*
RelInt Mean	0.00413655	0.04213071	13.50820100	0.00582633	0.01018348	0.45268332	0.00015384
RelInt RSD	*1.43058388*	*2.79596218*	*0.21381354*	*3.65531160*	*2.03326170*	*1.90126369*	*43.56363814*
RelInt SD	*0.00005918*	*0.00117796*	*0.02888236*	*0.00021297*	*0.00020706*	*0.00860670*	*0.00006702*
Conc Mean	0.02516030[mg/l]	1.10876020[mg/l]	41.79461000[mg/l]	4.66426350[mg/l]	2.86603410[mg/l]	0.27180586[mg/l]	<-0.01546872[mg/l]
Conc RSD	*1.50579315*	*2.82808185*	*0.21385775*	*3.59444187*	*2.09659732*	*1.90656890*	*2.93118875*
Conc SD	*0.00037886[mg/l]*	*0.03135665[mg/l]*	*0.08938101[mg/l]*	*0.16765424[mg/l]*	*0.06008919[mg/l]*	*0.00518217[mg/l]*	*0.00045342[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	81973.09600	35233.12000	76473.10900	6478.26750	5468.93380	11262.85300	11671.39000
Int RSD	*0.32949789*	*0.29097241*	*0.25447358*	*0.80329140*	*0.43997592*	*0.76084005*	*0.89316937*
Int SD	*270.09962000*	*102.51866000*	*194.60386000*	*52.03936600*	*24.06199200*	*85.69229600*	*104.24528000*
RelInt Mean	0.15826023	0.01750250	0.04375866	0.00021552	0.00003394	0.00331992	0.02186338
RelInt RSD	*0.55048596*	*0.96216833*	*0.85546700*	*13.25239286*	*48.40063479*	*1.60930002*	*1.23885388*
RelInt SD	*0.00087120*	*0.00016840*	*0.00037434*	*0.00002856*	*0.00001643*	*0.00005343*	*0.00027086*
Conc Mean	6.62925320[mg/l]	0.13409891[mg/l]	1.15116020[mg/l]	<-0.00956803[mg/l]	<0.00085205[mg/l]	0.04564968[mg/l]	0.01469639[mg/l]
Conc RSD	*0.55062148*	*0.97633665*	*0.85520398*	*11.76624686*	*80.89930030*	*1.96786564*	*1.40695158*
Conc SD	*0.03650209[mg/l]*	*0.00130926[mg/l]*	*0.00984477[mg/l]*	*0.00112580[mg/l]*	*0.00068930[mg/l]*	*0.00089832[mg/l]*	*0.00020677[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	493323	4972.43630	16855.23200	1555973	28417009	458418	811044
Int RSD	*7.23864901*	*0.19604386*	*0.97758381*	*0.58519513*	*1.95395458*	*0.25967432*	*0.16215031*
Int SD	*35709.88500*	*9.74815600*	*164.77402000*	*9105.48050*	*555255*	*1190.39350*	*1315.10970*
RelInt Mean	0.01521084	-0.00028764	0.00011394	---	---	---	0.52107819
RelInt RSD	*10.28196335*	*4.04917071*	*2.87430199*	---	---	---	*0.75050758*
RelInt SD	*0.00156397*	*0.00001165*	*0.00000328*	---	---	---	*0.00391073*
Conc Mean	0.11149732[mg/l]	<-0.11331846[mg/l]	<0.00071451[mg/l]	1545413	28336384	456382	1.53014060[mg/l]
Conc RSD	*11.77188923*	*0.62095791*	*73.25828140*	---	---	---	*0.75220565*
Conc SD	*0.01312534[mg/l]*	*0.00070366[mg/l]*	*0.00052344[mg/l]*	*9099.12720*	*555736*	*1195.74980*	*0.01150980[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	170.29186000	8134.12060	320238	26652.72800	7946.11630	148004	
Int RSD	*42.15345231*	*0.90559431*	*1.00354233*	*0.41416511*	*0.25764481*	*0.25231048*	
Int SD	*71.78389800*	*73.66213300*	*3213.72790*	*110.38630000*	*20.47275600*	*373.42963000*	
RelInt Mean	-0.00027803	0.00166975	0.20225387	0.01291487	0.00006832	0.09099657	
RelInt RSD	*99.44072009*	*10.29618803*	*1.28442590*	*0.45810656*	*49.97861594*	*0.69125196*	
RelInt SD	*0.00027647*	*0.00017192*	*0.00259780*	*0.00005916*	*0.00003415*	*0.00062902*	
Conc Mean	<-0.00035003[mg/l]	0.01118905[mg/l]	2.77413100[mg/l]	0.28317650[mg/l]	<-0.00078110[mg/l]	4.30309620[mg/l]	
Conc RSD	*210.57992651*	*13.60021385*	*1.29258348*	*0.46152608*	*14.22042095*	*0.69038296*	
Conc SD	*0.00073709[mg/l]*	*0.00152174[mg/l]*	*0.03585796[mg/l]*	*0.00130693[mg/l]*	*0.00011108[mg/l]*	*0.02970784[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 466919-010	Client ID	: DOOR-N-0.8GE-INT-20 TO 21-220805-L-DUP-CB
Seqnum	: 482317356063	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 294528	Time	: 08-AUG-2022 12:47
Cal	: 482317356001	Caldate	: 08-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	3.761	380	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1416424	1551277	9.52

u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 466919-010,294528			Sample Type: Unknown Sample
Measure Date: 2022-08-08 12:47:36	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	58037.45200	11386.99000	6191.67020	9031.72960	13333.50100	117869	10418.17500
Int RSD	*0.95223894*	*0.22709934*	*0.44121441*	*1.05155564*	*0.39028586*	*1.88286122*	*0.17245762*
Int SD	*552.65522000*	*25.85977900*	*27.31854100*	*94.97366200*	*52.03876900*	*2219.30950*	*17.96693700*
RelInt Mean	0.00003370	0.01996259	0.00034931	0.00123956	0.00331931	0.25934513	0.00177865
RelInt RSD	*10.94890913*	*0.72099688*	*4.24889952*	*2.57124292*	*1.38323507*	*3.10060332*	*2.21674103*
RelInt SD	*0.00000369*	*0.00014393*	*0.00001484*	*0.00003187*	*0.00004591*	*0.00804126*	*0.00003943*
Conc Mean	<0.00015453[mg/l]	2.58441300[mg/l]	0.01404027[mg/l]	<0.00125744[mg/l]	0.00894749[mg/l]	12.91716900[mg/l]	0.00907070[mg/l]
Conc RSD	*79.80958495*	*0.75794329*	*4.39219669*	*28.53454235*	*1.52642995*	*3.12396648*	*2.37559552*
Conc SD	*0.00012333[mg/l]*	*0.01958839[mg/l]*	*0.00061668[mg/l]*	*0.00035881[mg/l]*	*0.00013658[mg/l]*	*0.40352803[mg/l]*	*0.00021548[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	16069.62000	955961	28173633	2656.87060	8196.88310	1037959	6181.07210
Int RSD	*0.92371276*	*1.46845852*	*0.48984215*	*1.14883928*	*2.33031639*	*0.50505163*	*0.86299649*
Int SD	*148.43713000*	*14037.89000*	*138006*	*30.52317300*	*191.01331000*	*5242.22630*	*53.34243500*
RelInt Mean	0.00583723	0.03220372	18.28085300	0.00521361	0.01227644	0.66714303	0.00010974
RelInt RSD	*1.44848681*	*1.41100708*	*0.52762973*	*3.10954307*	*3.20001559*	*0.30800996*	*18.35588507*
RelInt SD	*0.00008455*	*0.00045440*	*0.09645522*	*0.00016212*	*0.00039285*	*0.00205487*	*0.00002014*
Conc Mean	0.03604837[mg/l]	0.84450880[mg/l]	56.56453400[mg/l]	4.18191660[mg/l]	3.47342410[mg/l]	0.40093377[mg/l]	<-0.01576708[mg/l]
Conc RSD	*1.50163754*	*1.43228738*	*0.52771562*	*3.05178946*	*3.28226461*	*0.30859226*	*0.86436585*
Conc SD	*0.00054132[mg/l]*	*0.01209579[mg/l]*	*0.29849988[mg/l]*	*0.12762329[mg/l]*	*0.11400697[mg/l]*	*0.00123725[mg/l]*	*0.00013629[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	68545.76700	41025.01800	229408	6629.80510	5573.31340	11695.83300	11833.60300
Int RSD	*1.08834878*	*0.13751323*	*0.33981840*	*0.35375660*	*1.12052760*	*0.40718021*	*1.19113849*
Int SD	*746.01702000*	*56.41482900*	*779.57186000*	*23.45337300*	*62.45051500*	*47.62311700*	*140.95460000*
RelInt Mean	0.12979568	0.02128934	0.14302333	0.00029550	-0.00000069	0.00347659	0.02231559
RelInt RSD	*1.71322235*	*0.80016997*	*1.06437922*	*10.54587125*	*5313.98536*	*0.93777814*	*2.68181711*
RelInt SD	*0.00222369*	*0.00017035*	*0.00152231*	*0.00003116*	*0.00003692*	*0.00003260*	*0.00059846*
Conc Mean	5.43662880[mg/l]	0.16353967[mg/l]	3.76077380[mg/l]	<-0.00648533[mg/l]	<-0.00060127[mg/l]	0.04828405[mg/l]	0.01504161[mg/l]
Conc RSD	*1.71373619*	*0.80983085*	*1.06415672*	*18.85962693*	*257.68184619*	*1.13532463*	*3.03735579*
Conc SD	*0.09316947[mg/l]*	*0.00132439[mg/l]*	*0.04002053[mg/l]*	*0.00122311[mg/l]*	*0.00154936[mg/l]*	*0.00054818[mg/l]*	*0.00045687[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	760887	5146.06430	17500.09800	1551277	28214746	455640	700122
Int RSD	*0.20486186*	*0.48803067*	*1.49310381*	*0.70382742*	*0.47658597*	*1.47465566*	*0.42893322*
Int SD	*1558.76790*	*25.11437200*	*261.29463000*	*10918.31500*	*134468*	*6719.12770*	*3003.05370*
RelInt Mean	0.02480659	-0.00033340	0.00013259	---	---	---	0.45062648
RelInt RSD	*0.73863886*	*4.16691560*	*3.41281859*	---	---	---	*1.10760240*
RelInt SD	*0.00018323*	*0.00001389*	*0.00000452*	---	---	---	*0.00499115*
Conc Mean	0.19202777[mg/l]	<-0.11639257[mg/l]	0.00369516[mg/l]	1540534	28134180	453544	1.32278900[mg/l]
Conc RSD	*0.80078616*	*0.74574709*	*19.57715740*	---	---	---	*1.11048996*
Conc SD	*0.00153773[mg/l]*	*0.00086799[mg/l]*	*0.00072341[mg/l]*	*10877.56900*	*134700*	*6738.52000*	*0.01468944[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	145.92389000	8103.44680	510549	31423.65200	7973.35050	133593	
Int RSD	*33.09648201*	*1.68523893*	*0.28246140*	*0.19171801*	*0.28171767*	*0.38021579*	
Int SD	*48.29567400*	*136.56244000*	*1442.10460*	*60.24479900*	*22.46233700*	*507.94160000*	
RelInt Mean	-0.00031600	0.00149988	0.32618764	0.01592768	-0.00003638	0.08188895	
RelInt RSD	*32.22891906*	*12.56681680*	*0.67322784*	*0.94519089*	*147.19706035*	*0.46341407*	
RelInt SD	*0.00010184*	*0.00018849*	*0.00219599*	*0.00015055*	*0.00005355*	*0.00037948*	
Conc Mean	<-0.00045126[mg/l]	0.00968544[mg/l]	4.48516570[mg/l]	0.34972959[mg/l]	<-0.00113755[mg/l]	3.87295130[mg/l]	
Conc RSD	*60.16878767*	*17.22552779*	*0.67602334*	*0.95090433*	*15.61398216*	*0.46276714*	
Conc SD	*0.00027152[mg/l]*	*0.00166837[mg/l]*	*0.03032077[mg/l]*	*0.00332559[mg/l]*	*0.00017762[mg/l]*	*0.01792275[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 466919-012	Client ID	: DOOR-N-0.9GE-PS-20-220805-L-G
Seqnum	: 482317356064	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 294528	Time	: 08-AUG-2022 12:50
Cal	: 482317356001	Caldate	: 08-AUG-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.06 ft2 --> 100.0 ml = 94.34 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.941	180	0.47		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1416424	1552449	9.60

u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 466919-012,294528				Sample Type: Unknown Sample			
Measure Date: 2022-08-08 12:50:54		Recalculation Date:		State: Measured		Quality:	

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	57977.71900	9108.89220	5425.90700	8711.65720	13180.44800	116964	10029.94100
Int RSD	*0.40474269*	*0.23641682*	*0.72091140*	*1.43999181*	*1.31227102*	*0.87443400*	*0.83518911*
Int SD	*234.66058000*	*21.53495300*	*39.11598200*	*125.44715000*	*172.96320000*	*1022.77500*	*83.76897500*
RelInt Mean	0.00003329	0.01467912	0.00006982	0.00108731	0.00327297	0.25455943	0.00157356
RelInt RSD	*35.07246327*	*0.29741462*	*38.95977504*	*8.89429973*	*3.71482842*	*1.68831109*	*2.94251223*
RelInt SD	*0.00001168*	*0.00004366*	*0.00002720*	*0.00009671*	*0.00012159*	*0.00429776*	*0.00004630*
Conc Mean	<0.00014088[mg/l]	1.86534740[mg/l]	<0.00244358[mg/l]	<-0.00045659[mg/l]	0.00881060[mg/l]	12.67701200[mg/l]	0.00804242[mg/l]
Conc RSD	*277.02368205*	*0.31852962*	*46.23451279*	*238.44596584*	*4.07058817*	*1.70127716*	*3.14721075*
Conc SD	*0.00039026[mg/l]*	*0.00594168[mg/l]*	*0.00112978[mg/l]*	*0.00108871[mg/l]*	*0.00035864[mg/l]*	*0.21567111[mg/l]*	*0.00025311[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	12071.59600	188496	22676997	2935.51150	7766.40360	934590	5957.66940
Int RSD	*0.64190981*	*1.28027552*	*0.37372026*	*2.26704709*	*0.59419807*	*3.02924609*	*1.17054714*
Int SD	*77.48875900*	*2413.26660*	*84748.53300*	*66.54942800*	*46.14782000*	*28311.03100*	*69.73732900*
RelInt Mean	0.00330496	0.00496424	14.70114100	0.00580750	0.01125063	0.59977036	0.00009147
RelInt RSD	*1.93364507*	*1.84835430*	*1.11738776*	*2.78078123*	*0.82006966*	*3.81109980*	*78.33197410*
RelInt SD	*0.00006391*	*0.00009176*	*0.16426875*	*0.00016149*	*0.00009226*	*0.02285785*	*0.00007165*
Conc Mean	0.01983629[mg/l]	0.11940864[mg/l]	45.48640100[mg/l]	4.64943780[mg/l]	3.17572700[mg/l]	0.36036814[mg/l]	<-0.01589070[mg/l]
Conc RSD	*2.06258706*	*2.04550927*	*1.11761619*	*2.73432693*	*0.84312383*	*3.81912091*	*3.05051212*
Conc SD	*0.00040914[mg/l]*	*0.00244251[mg/l]*	*0.50836338[mg/l]*	*0.12713083[mg/l]*	*0.02677531[mg/l]*	*0.01376289[mg/l]*	*0.00048475[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	69692.13500	14167.23200	122671	6496.97080	5328.46120	7798.09450	10693.53100
Int RSD	*0.70376608*	*0.78646647*	*0.25081297*	*0.25219978*	*0.23126301*	*0.32591748*	*1.48694225*
Int SD	*490.46961000*	*111.42053000*	*307.67425000*	*16.38534600*	*12.32276000*	*25.41535300*	*159.00663000*
RelInt Mean	0.13060292	0.00389084	0.07379422	0.00026950	-0.00002270	0.00129666	0.01952641
RelInt RSD	*1.64212431*	*2.61284624*	*0.62814737*	*6.94356990*	*21.00876602*	*1.24286252*	*2.98336565*
RelInt SD	*0.00214466*	*0.00010166*	*0.00046354*	*0.00001871*	*0.00000477*	*0.00001612*	*0.00058254*
Conc Mean	5.47045120[mg/l]	0.02827502[mg/l]	1.94076020[mg/l]	<-0.00741295[mg/l]	<-0.00152482[mg/l]	<0.01163082[mg/l]	0.01291234[mg/l]
Conc RSD	*1.64261575*	*2.79529150*	*0.62798675*	*9.90769524*	*13.12632036*	*2.32974201*	*3.44410042*
Conc SD	*0.08985849[mg/l]*	*0.00079037[mg/l]*	*0.01218772[mg/l]*	*0.00073445[mg/l]*	*0.00020015[mg/l]*	*0.00027097[mg/l]*	*0.00044471[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	608415	4871.17690	17304.23200	1552449	28299584	460292	445593
Int RSD	*4.96583295*	*0.05090226*	*0.88420399*	*0.73544018*	*0.51435127*	*1.12371515*	*0.24014817*
Int SD	*30212.87900*	*2.47953930*	*153.00471000*	*11417.33600*	*145559*	*5172.37230*	*1070.08320*
RelInt Mean	0.01932775	-0.00028508	0.00013052	---	---	---	0.28529735
RelInt RSD	*5.47996181*	*4.21600370*	*5.03414039*	---	---	---	*0.96212439*
RelInt SD	*0.00105915*	*0.00001202*	*0.00000657*	---	---	---	*0.00274492*
Conc Mean	0.14604763[mg/l]	<-0.11324408[mg/l]	0.00336538[mg/l]	1541836	28218932	458236	0.83621758[mg/l]
Conc RSD	*6.08618907*	*0.65444539*	*31.21632327*	---	---	---	*0.96605843*
Conc SD	*0.00888873[mg/l]*	*0.00074112[mg/l]*	*0.00105055[mg/l]*	*11457.41100*	*145189*	*5218.48190*	*0.00807835[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	237.45869000	8074.42630	401915	24481.74000	7917.03060	125446	
Int RSD	*5.88268595*	*0.46058926*	*0.08154563*	*0.31896169*	*0.28881827*	*0.51001341*	
Int SD	*13.96894900*	*37.18994000*	*327.74404000*	*78.08737200*	*22.86583100*	*639.79290000*	
RelInt Mean	-0.00015226	0.00136816	0.25563164	0.01171513	0.00005376	0.07672676	
RelInt RSD	*13.12555525*	*5.66787607*	*0.80098211*	*1.21776241*	*26.20412259*	*1.07155442*	
RelInt SD	*0.00001999*	*0.00007755*	*0.00204756*	*0.00014266*	*0.00001409*	*0.00082217*	
Conc Mean	<-0.00001473[mg/l]	0.00851961[mg/l]	3.51107330[mg/l]	0.25667413[mg/l]	<-0.00079872[mg/l]	3.62914590[mg/l]	
Conc RSD	*361.70005153*	*8.05656997*	*0.80483674*	*1.22778797*	*6.24663158*	*1.06995767*	
Conc SD	*0.00005328[mg/l]*	*0.00068639[mg/l]*	*0.02825841[mg/l]*	*0.00315141[mg/l]*	*0.00004989[mg/l]*	*0.03883033[mg/l]*	

ENTHALPY BLANK USER REPORT FOR 466919 METALS Wipe
EPA 6010B

Inst : MET06 Lab ID : QC1005143
Seqnum : 482317356054.1 Matrix : Wipe
File : met06_master Batch : 294528 Time : 08-AUG-2022 12:17
Cal : 482317356001 Caldate : 08-AUG-2022
IDF : 1.0 Raw Units : mg/l Units : ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Flags
Lead	A	-0.0004391	ND	0.50	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	1416424	1543251	8.95

u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BLANK,QC1005143,294528			Sample Type: Unknown Sample
Measure Date: 2022-08-08 12:17:44	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	58307.46700	2403.58730	4087.05810	7229.83290	8085.79020	1600.86590	7408.91850
Int RSD	*1.14766234*	*2.83494280*	*1.11679834*	*0.68118200*	*0.77925452*	*2.81644090*	*0.23253553*
Int SD	*669.17284000*	*68.14032500*	*45.64419700*	*49.24832000*	*63.00888600*	*45.08744200*	*17.22836800*
RelInt Mean	0.00002842	0.00109000	-0.00014944	0.00042738	0.00017212	0.00290444	-0.00001358
RelInt RSD	*16.89559808*	*12.52797328*	*14.28168247*	*3.86240792*	*18.75216090*	*2.12812349*	*101.04106369*
RelInt SD	*0.00000480*	*0.00013655*	*0.00002134*	*0.00001651*	*0.00003228*	*0.00006181*	*0.00001372*
Conc Mean	<-0.00002201[mg/l]	<0.01590856[mg/l]	<-0.00664737[mg/l]	<-0.00788583[mg/l]	<-0.00037906[mg/l]	0.04842159[mg/l]	<-0.00024937[mg/l]
Conc RSD	*729.05147660*	*116.82160627*	*13.34037030*	*2.35652351*	*25.25699347*	*6.40573824*	*29.53361024*
Conc SD	*0.00016048[mg/l]*	*0.01858464[mg/l]*	*0.00088678[mg/l]*	*0.00018583[mg/l]*	*0.00009574[mg/l]*	*0.00310176[mg/l]*	*0.00007365[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6713.33480	56559.55000	57631.57200	413.24962000	2704.34770	13067.16500	5380.28090
Int RSD	*0.32961986*	*1.11967436*	*24.71216124*	*15.62951225*	*3.76860194*	*0.57385297*	*0.83828391*
Int SD	*22.12848500*	*633.28278000*	*14242.00700*	*64.58890000*	*101.91610000*	*74.98631400*	*45.10202900*
RelInt Mean	0.00008779	0.00030362	0.03158288	0.00027918	0.00008108	0.00261467	0.00005478
RelInt RSD	*35.03585022*	*0.74120903*	*30.04981908*	*47.43877578*	*275.74344044*	*1.83905082*	*7.34541199*
RelInt SD	*0.00003076*	*0.00000225*	*0.00949060*	*0.00013244*	*0.00022359*	*0.00004809*	*0.00000402*
Conc Mean	<-0.00076065[mg/l]	<-0.00465453[mg/l]	0.08852693[mg/l]	<0.29744958[mg/l]	<-0.06574510[mg/l]	0.00081590[mg/l]	<-0.01613894[mg/l]
Conc RSD	*25.88924151*	*1.28706114*	*33.17696058*	*35.05147999*	*98.69297342*	*3.54854494*	*0.16867045*
Conc SD	*0.00019693[mg/l]*	*0.00005991[mg/l]*	*0.02937054[mg/l]*	*0.10426048[mg/l]*	*0.06488580[mg/l]*	*0.00002895[mg/l]*	*0.00002722[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	11475.77900	8258.35500	8526.18490	5753.54450	4712.81280	5548.00100	1699.35800
Int RSD	*1.32778106*	*1.00881736*	*0.85022929*	*0.43815933*	*0.38861106*	*0.81599672*	*6.32483385*
Int SD	*152.37322000*	*83.31171900*	*72.49212100*	*25.20969200*	*18.31451200*	*45.27150600*	*107.48157000*
RelInt Mean	0.00349227	0.00024022	-0.00005275	0.00005190	0.00001778	0.00095763	0.00002933
RelInt RSD	*10.20854569*	*21.15483089*	*51.44332500*	*3.81382588*	*125.88357373*	*2.66104220*	*719.82562852*
RelInt SD	*0.00035651*	*0.00005082*	*0.00002713*	*0.00000198*	*0.00002238*	*0.00002548*	*0.00021115*
Conc Mean	0.14469455[mg/l]	<-0.00010670[mg/l]	<-0.00043910[mg/l]	<-0.01585347[mg/l]	<0.00017388[mg/l]	<0.00593035[mg/l]	<-0.00197173[mg/l]
Conc RSD	*10.32331142*	*370.27174999*	*163.31452932*	*0.49496890*	*540.08264848*	*7.22499934*	*8.17528796*
Conc SD	*0.01493727[mg/l]*	*0.00039509[mg/l]*	*0.00071711[mg/l]*	*0.00007847[mg/l]*	*0.00093907[mg/l]*	*0.00042847[mg/l]*	*0.00016119[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	66453.86800	4128.61080	15852.17500	1543251	28285400	461016	7387.89930
Int RSD	*0.49919615*	*0.26863360*	*1.64836428*	*0.58081024*	*0.05806872*	*0.40814964*	*0.74818338*
Int SD	*331.73515000*	*11.09083600*	*261.30159000*	*8963.35920*	*16424.97100*	*1881.63420*	*55.27503500*
RelInt Mean	0.00011983	-0.00021445	0.00008580	---	---	---	0.00134816
RelInt RSD	*26.56272483*	*1.40021929*	*2.84414711*	---	---	---	*3.83404875*
RelInt SD	*0.00003183*	*0.00000300*	*0.00000244*	---	---	---	*0.00005169*
Conc Mean	<-0.01515108[mg/l]	<-0.10840375[mg/l]	<-0.00378374[mg/l]	1532891	28205745	458897	<0.00053811[mg/l]
Conc RSD	*1.76302635*	*0.17398620*	*10.31066861*	---	---	---	*28.25289087*
Conc SD	*0.00026712[mg/l]*	*0.00018861[mg/l]*	*0.00039013[mg/l]*	*8946.35540*	*16083.94200*	*1944.76190*	*0.00015203[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	277.61710000	8209.38230	10477.87700	5946.33100	7725.82310	11723.31800	
Int RSD	*11.28382582*	*0.75368183*	*3.57456038*	*1.98044155*	*0.09026421*	*8.01472928*	
Int SD	*31.32583000*	*61.87262300*	*374.53804000*	*117.76361000*	*6.97365320*	*939.59220000*	
RelInt Mean	-0.00000854	0.00141269	0.00225597	0.00064562	0.00021994	0.00359573	
RelInt RSD	*926.77778229*	*5.45291611*	*9.47082830*	*13.13647352*	*8.57031587*	*17.20429927*	
RelInt SD	*0.00007910*	*0.00007703*	*0.00021366*	*0.00008481*	*0.00001885*	*0.00061862*	
Conc Mean	<0.00036845[mg/l]	0.00891370[mg/l]	0.01297774[mg/l]	0.01214814[mg/l]	<-0.00021884[mg/l]	0.17523174[mg/l]	
Conc RSD	*57.23614187*	*7.64941871*	*22.72642827*	*15.42204022*	*29.53422654*	*16.67328305*	
Conc SD	*0.00021089[mg/l]*	*0.00068185[mg/l]*	*0.00294938[mg/l]*	*0.00187349[mg/l]*	*0.00006463[mg/l]*	*0.02921688[mg/l]*	

ENTHALPY SPIKE USER REPORT FOR 466919 METALS Wipe
EPA 6010B

Type : BS
Inst : MET06
Seqnum : 482317356055.1
File : met06_master
IDF : 1.0
Lab ID : QC1005144
Matrix : Wipe
Batch : 294528
Time : 08-AUG-2022 12:21
Cal : 482317356001
Units : ug/ft2

Type : BSD
Inst : MET06
Seqnum : 482317356056.1
File : met06_master
IDF : 1.0
Lab ID : QC1005145
Matrix : Wipe
Batch : 294528
Time : 08-AUG-2022 12:24
Cal : 482317356001

BS: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF
BSD: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Lead	100.0	1.098	109.8	A	110	1.088	108.8	A	109	80-120	1	20	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	1416424	1529932	8.01

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	1416424	1554776	9.77

u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BS,QC1005144,294528				Sample Type: Unknown Sample			
Measure Date: 2022-08-08 12:21:05		Recalculation Date:		State: Measured		Quality:	

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	451739	6106.50740	41047.92800	131283	555957	11948.82900	326305
Int RSD	*0.39468778*	*0.29452230*	*0.61531286*	*0.20974696*	*0.36945116*	*1.59247078*	*0.16989259*
Int SD	*1782.95750*	*17.98502600*	*252.57318000*	*275.36212000*	*2053.98930*	*190.28161000*	*554.36879000*
RelInt Mean	0.01406385	0.00921429	0.02406458	0.08188456	0.36047643	0.02625579	0.20954286
RelInt RSD	*0.99036878*	*2.02544239*	*1.02662095*	*0.55426544*	*0.14988903*	*1.28484017*	*0.25449835*
RelInt SD	*0.00013928*	*0.00018663*	*0.00024705*	*0.00045386*	*0.00054031*	*0.00033734*	*0.00053328*
Conc Mean	0.46910236[mg/l]	1.12160020[mg/l]	0.99835784[mg/l]	0.90913229[mg/l]	1.06355290[mg/l]	1.22024280[mg/l]	1.12924530[mg/l]
Conc RSD	*0.99242338*	*2.26460569*	*1.02771647*	*0.56200685*	*0.14949480*	*1.38732161*	*0.25613487*
Conc SD	*0.00465548[mg/l]*	*0.02539982[mg/l]*	*0.01026029[mg/l]*	*0.00510939[mg/l]*	*0.00158996[mg/l]*	*0.01692869[mg/l]*	*0.00289239[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	261181	1106674	562598	5690.78190	4471.40650	2725190	248832
Int RSD	*0.17229838*	*0.77434494*	*0.09861904*	*0.73395811*	*1.03958924*	*0.07620894*	*0.58596956*
Int SD	*450.01129000*	*8569.47180*	*554.82883000*	*41.76795500*	*46.48426100*	*2076.83820*	*1458.08200*
RelInt Mean	0.16719737	0.03781149	0.36392229	0.01209153	0.00397914	1.78740930	0.16009111
RelInt RSD	*0.35199451*	*1.38669397*	*0.31744967*	*1.06176495*	*2.69229249*	*0.44335991*	*0.35812455*
RelInt SD	*0.00058853*	*0.00052433*	*0.00115527*	*0.00012838*	*0.00010713*	*0.00792466*	*0.00057333*
Conc Mean	1.06910780[mg/l]	0.99378483[mg/l]	1.11701760[mg/l]	9.59634410[mg/l]	1.06549580[mg/l]	1.07545510[mg/l]	1.06660710[mg/l]
Conc RSD	*0.35242702*	*1.40446831*	*0.32006431*	*1.05317003*	*2.91787654*	*0.44367495*	*0.36366643*
Conc SD	*0.00376782[mg/l]*	*0.01395739[mg/l]*	*0.00357517[mg/l]*	*0.10106582[mg/l]*	*0.03108985[mg/l]*	*0.00477152[mg/l]*	*0.00387889[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	22800.85400	220718	72381.36700	42503.30200	33759.40800	5596.37110	596802
Int RSD	*0.38860940*	*0.21503038*	*0.61901268*	*0.85949073*	*0.39369671*	*0.28042518*	*0.56805208*
Int SD	*88.60626300*	*474.61107000*	*448.04984000*	*365.31194000*	*132.90968000*	*15.69363400*	*3390.14550*
RelInt Mean	0.02908252	0.13978741	0.04172345	0.02406023	0.01899723	0.00088874	1.33791970
RelInt RSD	*1.94306868*	*0.26663551*	*0.80578126*	*1.11464927*	*0.61516141*	*2.30598769*	*0.28497707*
RelInt SD	*0.00056509*	*0.00037272*	*0.00033620*	*0.00026819*	*0.00011686*	*0.00002049*	*0.00381276*
Conc Mean	1.21688970[mg/l]	1.08480320[mg/l]	1.09771100[mg/l]	0.92243240[mg/l]	0.79660692[mg/l]	<0.00477198[mg/l]	1.01937410[mg/l]
Conc RSD	*1.94566180*	*0.26712276*	*0.80569423*	*1.14186525*	*0.61560405*	*7.22104585*	*0.28553727*
Conc SD	*0.02367656[mg/l]*	*0.00289776[mg/l]*	*0.00884419[mg/l]*	*0.01053294[mg/l]*	*0.00490394[mg/l]*	*0.00034459[mg/l]*	*0.00291069[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3651701	29859.71100	200842	1529932	27980215	446792	563013
Int RSD	*1.52887223*	*0.50283022*	*0.68151460*	*0.41327901*	*0.64761279*	*0.76065982*	*0.31360667*
Int SD	*55829.83800*	*150.14365000*	*1368.76810*	*6322.88780*	*181203*	*3398.57070*	*1765.64550*
RelInt Mean	0.12840460	0.01648649	0.00669930	---	---	---	0.36679494
RelInt RSD	*2.08471644*	*0.70920077*	*1.24923988*	---	---	---	*0.28842088*
RelInt SD	*0.00267687*	*0.00011692*	*0.00008369*	---	---	---	*0.00105791*
Conc Mean	1.06145370[mg/l]	0.93402386[mg/l]	1.05304950[mg/l]	1519152	27899751	444654	1.07554310[mg/l]
Conc RSD	*2.11644578*	*0.78172756*	*1.27037352*	---	---	---	*0.28932774*
Conc SD	*0.02246509[mg/l]*	*0.00730152[mg/l]*	*0.01337766[mg/l]*	*6281.16710*	*182009*	*3399.89330*	*0.00311184[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	155976	57744.09200	530731	6449.33490	468641	9875.70700	
Int RSD	*0.97345428*	*0.28559368*	*0.09148195*	*0.80529588*	*0.38366720*	*5.14094039*	
Int SD	*1518.35300*	*164.91348000*	*485.52349000*	*51.93622800*	*1798.02050*	*507.70421000*	
RelInt Mean	0.34971006	0.11227912	0.34430441	0.00087937	0.30307355	0.00232719	
RelInt RSD	*0.34099906*	*1.11909552*	*0.36199899*	*2.44998747*	*0.39240151*	*14.59825982*	
RelInt SD	*0.00119251*	*0.00125651*	*0.00124638*	*0.00002154*	*0.00118927*	*0.00033973*	
Conc Mean	0.93272502[mg/l]	0.99023482[mg/l]	4.71092550[mg/l]	0.01731160[mg/l]	0.99268539[mg/l]	0.11531963[mg/l]	
Conc RSD	*0.34085624*	*1.12315037*	*0.36529211*	*2.74911083*	*0.39079346*	*13.91358609*	
Conc SD	*0.00317925[mg/l]*	*0.01112183[mg/l]*	*0.01720864[mg/l]*	*0.00047592[mg/l]*	*0.00387935[mg/l]*	*0.01604510[mg/l]*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BSD,QC1005145,294528			Sample Type: Unknown Sample
Measure Date: 2022-08-08 12:24:25	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	458171	6074.18020	41713.70800	132489	554685	11912.43000	325915
Int RSD	*0.86391594*	*0.19889746*	*0.07987464*	*0.50906713*	*0.45777492*	*1.20082385*	*0.33648064*
Int SD	*3958.21500*	*12.08139000*	*33.31867400*	*674.46034000*	*2539.21090*	*143.04730000*	*1096.64130*
RelInt Mean	0.01403031	0.00912761	0.02407600	0.08129439	0.35377522	0.02572578	0.20583700
RelInt RSD	*1.12457804*	*2.41756787*	*0.16483704*	*0.33434256*	*0.26465573*	*0.64871699*	*0.16462284*
RelInt SD	*0.00015778*	*0.00022067*	*0.00003969*	*0.00027180*	*0.00093629*	*0.00016689*	*0.00033885*
Conc Mean	0.46798114[mg/l]	1.10980340[mg/l]	0.99885425[mg/l]	0.90248833[mg/l]	1.04378640[mg/l]	1.19364570[mg/l]	1.10927500[mg/l]
Conc RSD	*1.12691454*	*2.70606677*	*0.16513065*	*0.33904630*	*0.26590266*	*0.70161556*	*0.16452511*
Conc SD	*0.00527375[mg/l]*	*0.03003202[mg/l]*	*0.00164941[mg/l]*	*0.00305985[mg/l]*	*0.00277546[mg/l]*	*0.00837480[mg/l]*	*0.00182504[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	259412	1106289	553999	5624.43290	4495.53200	2732485	246910
Int RSD	*0.27929096*	*1.14733685*	*0.29538602*	*0.79238328*	*1.02276511*	*0.36138620*	*0.17902029*
Int SD	*724.51484000*	*12692.86600*	*1636.43620*	*44.56706600*	*45.97873300*	*9874.82340*	*442.01906000*
RelInt Mean	0.16330776	0.03721111	0.35236311	0.01171360	0.00400436	1.76323920	0.15625481
RelInt RSD	*0.14721357*	*1.24085062*	*0.09303244*	*1.68886613*	*2.52589726*	*0.31547580*	*0.03877292*
RelInt SD	*0.00024041*	*0.00046173*	*0.00032781*	*0.00019783*	*0.00010115*	*0.00556259*	*0.00006058*
Conc Mean	1.04420570[mg/l]	0.97780301[mg/l]	1.08124540[mg/l]	9.29883100[mg/l]	1.07281460[mg/l]	1.06090210[mg/l]	1.04065210[mg/l]
Conc RSD	*0.14739895*	*1.25701515*	*0.09382165*	*1.67476170*	*2.73609830*	*0.31570092*	*0.03938963*
Conc SD	*0.00153915[mg/l]*	*0.01229113[mg/l]*	*0.00101444[mg/l]*	*0.15573326[mg/l]*	*0.02935326[mg/l]*	*0.00334928[mg/l]*	*0.00040991[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	22670.29000	221712	72948.73300	43574.35500	34502.99100	6527.43290	597913
Int RSD	*0.65689363*	*0.17769780*	*0.24853465*	*0.78131004*	*0.66916996*	*1.06354155*	*0.85597068*
Int SD	*148.91969000*	*393.97705000*	*181.30288000*	*340.45081000*	*230.88365000*	*69.42196100*	*5117.95700*
RelInt Mean	0.02812849	0.13808099	0.04135679	0.02432552	0.01914238	0.00144978	1.32068090
RelInt RSD	*1.17344289*	*0.09357150*	*0.19073089*	*0.67406770*	*0.78765358*	*2.37774809*	*0.08494201*
RelInt SD	*0.00033007*	*0.00012920*	*0.00007888*	*0.00016397*	*0.00015078*	*0.00003447*	*0.00112181*
Conc Mean	1.17691720[mg/l]	1.07153660[mg/l]	1.08807330[mg/l]	0.93301592[mg/l]	0.80269782[mg/l]	0.01420534[mg/l]	1.00621400[mg/l]
Conc RSD	*1.17506848*	*0.09373982*	*0.19112935*	*0.69082792*	*0.78821596*	*4.08023439*	*0.08510828*
Conc SD	*0.01382958[mg/l]*	*0.00100446[mg/l]*	*0.00207963[mg/l]*	*0.00644553[mg/l]*	*0.00632699[mg/l]*	*0.00057961[mg/l]*	*0.00085637[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3634440	30184.42600	200869	1554776	28397074	453452	568345
Int RSD	*1.62036202*	*0.38093781*	*1.30179487*	*0.19895258*	*0.92430174*	*0.76969587*	*0.49771836*
Int SD	*58891.07900*	*114.98389000*	*2614.90260*	*3093.26620*	*262475*	*3490.20080*	*2828.75680*
RelInt Mean	0.12585872	0.01645932	0.00658694	---	---	---	0.36432176
RelInt RSD	*1.42119537*	*0.19106638*	*1.26948536*	---	---	---	*0.32757121*
RelInt SD	*0.00178870*	*0.00003145*	*0.00008362*	---	---	---	*0.00119341*
Conc Mean	1.04008800[mg/l]	0.93244192[mg/l]	1.03509770[mg/l]	1544023	28314426	451302	1.06827680[mg/l]
Conc RSD	*1.44327163*	*0.20786140*	*1.29147017*	---	---	---	*0.32873381*
Conc SD	*0.01501130[mg/l]*	*0.00193819[mg/l]*	*0.01336798[mg/l]*	*3053.51210*	*262292*	*3453.70470*	*0.00351179[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	156996	57610.15700	532325	7127.86480	471679	7569.50820	
Int RSD	*1.30226981*	*0.54878219*	*0.27237744*	*1.64144976*	*0.30159557*	*0.53273357*	
Int SD	*2044.50930*	*316.15428000*	*1449.93400*	*117.00032000*	*1422.56320*	*40.32531100*	
RelInt Mean	0.34682050	0.11031128	0.33968138	0.00124637	0.30007924	0.00073139	
RelInt RSD	*0.58156568*	*1.34819232*	*0.08150350*	*6.78580106*	*0.18905832*	*6.01967489*	
RelInt SD	*0.00201699*	*0.00148721*	*0.00027685*	*0.00008458*	*0.00056732*	*0.00004403*	
Conc Mean	0.92502141[mg/l]	0.97281675[mg/l]	4.64768410[mg/l]	0.02541872[mg/l]	0.98283061[mg/l]	0.03995140[mg/l]	
Conc RSD	*0.58131922*	*1.35316996*	*0.08233170*	*7.35005419*	*0.18986721*	*5.20473800*	
Conc SD	*0.00537733[mg/l]*	*0.01316386[mg/l]*	*0.00382652[mg/l]*	*0.00186829[mg/l]*	*0.00186607[mg/l]*	*0.00207937[mg/l]*	

ENTHALPY INITIAL CALIBRATION FOR 466919 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	482317356001	Date:	08-AUG-2022 09:16
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master	482317356002	L1	08-AUG-2022 09:20	S17110, S13369 (100X)
L2	met06_master	482317356003	L2	08-AUG-2022 09:23	S17109, S13369 (100X)
L3	met06_master	482317356004	L3	08-AUG-2022 09:26	S17108, S13369 (100X)
L4	met06_master	482317356005	L4	08-AUG-2022 09:30	S17107, S13369 (100X)

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	0.0245	0.0409	0.0406	0.0380	WB1K	9.47E-4	26.2930		0.0360	1.000		5	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
WB1K: Linear regression with ICALBLK weighting factor of 1000

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D
Lead	A	0.0033	-7	0.1000	8	1.0000	7	10.000	0

SBW 08/08/22 : reprting mostly as

SLL 08/08/22 [Lead A]: Pb ok in calibration

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 466919 METALS Wipe
EPA 6010B

Inst : MET06
Calnum : 482317356001 Cal Date : 08-AUG-2022

ICV 482317356010 (08-AUG-2022) stds: S17024, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	1.014	mg/l	1	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICALBLK,CALBLANK			Sample Type: Calibration Sample
Measure Date: 2022-08-08 09:16:43	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	51271.03400	2181.05290	3682.72690	7192.84380	7114.74810	1169.72790	6402.56670
Int RSD	*0.07151696*	*2.01729857*	*0.54836893*	*1.69142655*	*1.03443130*	*6.91841496*	*1.07020331*
Int SD	*36.66748400*	*43.99834900*	*20.19493000*	*121.66167000*	*73.59718100*	*80.92663000*	*68.52048100*
RelInt Mean	0.00002908	0.00097238	0.00000971	0.00112786	0.00030460	0.00192381	0.00003227
RelInt RSD	*45.56191355*	*16.91383539*	*351.10334476*	*9.21990014*	*29.61186299*	*10.65796593*	*97.94195935*
RelInt SD	*0.00001325*	*0.00016447*	*0.00003411*	*0.00010399*	*0.00009020*	*0.00020504*	*0.00003160*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	5903.41650	55230.23500	12090.32000	231.56565000	2587.55940	9393.20060	7821.10700
Int RSD	*1.48904823*	*6.36287751*	*11.33538897*	*23.49354578*	*5.32424029*	*3.92717749*	*17.77756269*
Int SD	*87.90471900*	*3514.23220*	*1370.48480*	*54.40298200*	*137.76788000*	*368.88766000*	*1390.40220*
RelInt Mean	0.00019890	0.00047957	0.00293889	-0.00009866	0.00030511	0.00113579	0.00244207
RelInt RSD	*46.42837111*	*28.40579940*	*34.22936656*	*9.74227217*	*78.04755015*	*25.76626668*	*40.73239980*
RelInt SD	*0.00009234*	*0.00013623*	*0.00100596*	*0.00000961*	*0.00023813*	*0.00029265*	*0.00099471*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	9450.20310	7145.27310	7217.30650	5460.70190	3908.61320	4318.41860	2834.84060
Int RSD	*1.03846589*	*1.20110935*	*0.81592986*	*4.03024985*	*0.98041144*	*7.94576515*	*2.69707979*
Int SD	*98.13713600*	*85.82254300*	*58.88815900*	*220.07993000*	*38.32049100*	*343.13140000*	*76.45791300*
RelInt Mean	0.00003095	0.00024765	-0.00003864	0.00045733	0.00001362	0.00060407	0.00259617
RelInt RSD	*459.38780022*	*31.88871884*	*52.80767196*	*35.51601864*	*149.81065121*	*40.82403373*	*1.82695643*
RelInt SD	*0.00014218*	*0.00007897*	*0.00002041*	*0.00016242*	*0.00002040*	*0.00024660*	*0.00004743*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	107237	5677.09340	14494.68700	1416424	27010512	460362	6126.85250
Int RSD	*11.56160606*	*26.92052239*	*1.50721599*	*0.45845655*	*0.42702515*	*0.17438079*	*5.38721603*
Int SD	*12398.26400*	*1528.30320*	*218.46624000*	*6493.68680*	*115342*	*802.78374000*	*330.06678000*
RelInt Mean	0.00192712	0.00151481	0.00010953	---	---	---	0.00116390
RelInt RSD	*24.16853885*	*71.68053775*	*11.24904380*	---	---	---	*20.84150021*
RelInt SD	*0.00046576*	*0.00108582*	*0.00001232*	---	---	---	*0.00024257*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	198.51411000	7395.75110	7845.02690	4751.86230	6747.57170	5635.93260	
Int RSD	*69.71988037*	*0.38839168*	*0.73568617*	*0.56544351*	*0.94679262*	*0.54611572*	
Int SD	*138.40380000*	*28.72448200*	*57.71477800*	*26.86909700*	*63.88551100*	*30.77871400*	
RelInt Mean	-0.00015060	0.00040087	0.00134227	0.00009568	0.00028802	-0.00011452	
RelInt RSD	*155.46007940*	*58.94646635*	*5.04567805*	*40.30735316*	*19.43604252*	*9.68805327*	
RelInt SD	*0.00023412*	*0.00023630*	*0.00006773*	*0.00003857*	*0.00005598*	*0.00001109*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L1,S17110			Sample Type: Calibration Sample
Measure Date: 2022-08-08 09:20:05	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	51900.78900	2293.72010	3763.11290	7225.23310	8742.66100	2288.35240	6891.39100
Int RSD	*0.29029193*	*4.91591803*	*0.13374191*	*0.39978570*	*0.23638443*	*2.65008108*	*0.63019534*
Int SD	*150.66380000*	*112.75740000*	*5.03285920*	*28.88544900*	*20.66628900*	*60.64319400*	*43.42922500*
RelInt Mean	0.00002959	0.00107605	0.00004758	0.00110294	0.00141538	0.00432862	0.00033111
RelInt RSD	*5.01127899*	*19.20490312*	*13.23921114*	*2.63052348*	*0.83673000*	*4.24793688*	*4.61316706*
RelInt SD	*0.00000148*	*0.00020665*	*0.00000630*	*0.00002901*	*0.00001184*	*0.00018388*	*0.00001527*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6616.12230	53537.19800	14464.60900	409.81167000	2735.26560	17604.76700	5802.17570
Int RSD	*0.30646160*	*0.01823391*	*0.55800722*	*19.30331584*	*3.63879829*	*0.69152071*	*2.41787594*
Int SD	*20.27587400*	*9.76192450*	*80.71356300*	*79.10724100*	*99.53079800*	*121.74061000*	*140.28941000*
RelInt Mean	0.00065091	0.00039698	0.00450537	0.00027193	0.00055390	0.00680449	0.00096297
RelInt RSD	*5.55958985*	*1.81962323*	*1.48979641*	*57.24310928*	*23.23003984*	*1.46270339*	*11.60785972*
RelInt SD	*0.00003619*	*0.00000722*	*0.00006712*	*0.00015566*	*0.00012867*	*0.00009953*	*0.00011178*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	15950.65200	7743.96510	7445.51410	5363.97360	4258.56420	3963.41740	13108.10700
Int RSD	*0.65542261*	*0.54684375*	*0.15429832*	*0.67189315*	*1.29731187*	*0.12125986*	*0.30649372*
Int SD	*104.54418000*	*42.34738900*	*11.48830300*	*36.04017100*	*55.24685900*	*4.80603430*	*40.17552500*
RelInt Mean	0.01408784	0.00061635	0.00008180	0.00035467	0.00024907	0.00033450	0.02493617
RelInt RSD	*0.95823241*	*5.19461658*	*12.51956348*	*9.88764022*	*13.25099013*	*3.82807884*	*0.69632018*
RelInt SD	*0.00013499*	*0.00003202*	*0.00001024*	*0.00003507*	*0.00003300*	*0.00001280*	*0.00017364*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	72489.61100	3755.34660	14434.99700	1439298	27463998	461751	11132.64900
Int RSD	*0.42650892*	*0.44912185*	*0.44508558*	*0.39470366*	*0.96691534*	*0.28813791*	*0.25715438*
Int SD	*309.17466000*	*16.86608200*	*64.24809000*	*5680.96350*	*265554*	*1330.48100*	*28.62809500*
RelInt Mean	0.00060870	0.00016327	0.00010088	---	---	---	0.00463049
RelInt RSD	*1.23279999*	*13.92730766*	*2.56219875*	---	---	---	*0.66048717*
RelInt SD	*0.00000750*	*0.00002274*	*0.00000258*	---	---	---	*0.00003058*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	364.64364000	7612.13090	18414.81200	71346.99000	7435.51130	37621.81800	
Int RSD	*3.70760998*	*0.69882689*	*0.54971476*	*0.14242220*	*0.54424969*	*0.49477835*	
Int SD	*13.51956400*	*53.19561800*	*101.22894000*	*101.61395000*	*40.46774700*	*186.14461000*	
RelInt Mean	0.00008486	0.00084779	0.00867539	0.04658539	0.00071743	0.02218153	
RelInt RSD	*88.79935699*	*15.74140206*	*1.18456987*	*0.27372917*	*1.93032050*	*0.18494744*	
RelInt SD	*0.00007535*	*0.00013345*	*0.00010277*	*0.00012752*	*0.00001385*	*0.00004102*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L2,S17109			Sample Type: Calibration Sample
Measure Date: 2022-08-08 09:23:26	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	51812.11000	3034.86230	7338.17920	19827.02700	58771.32600	1187.45330	21048.00500
Int RSD	*0.87790250*	*5.67447689*	*0.72808490*	*0.57349259*	*0.05960760*	*18.24232330*	*0.25016816*
Int SD	*454.85981000*	*172.21256000*	*53.42817500*	*113.70653000*	*35.03217500*	*216.61907000*	*52.65540700*
RelInt Mean	0.00003550	0.00257652	0.00253914	0.00991237	0.03641182	0.00193702	0.01021803
RelInt RSD	*21.25864673*	*6.74258855*	*1.31069005*	*0.12624824*	*0.73682317*	*17.64349055*	*0.75728890*
RelInt SD	*0.00000755*	*0.00017372*	*0.00003328*	*0.00001251*	*0.00026829*	*0.00034176*	*0.00007738*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	30281.75000	149384	110677	285.92542000	2614.95740	268846	26671.13400
Int RSD	*0.21849063*	*1.25505707*	*0.17702027*	*20.37710463*	*7.21615235*	*0.17466324*	*0.22519859*
Int SD	*66.16278600*	*1874.85220*	*195.92042000*	*58.26332200*	*188.69931000*	*469.57460000*	*60.06301700*
RelInt Mean	0.01718646	0.00391118	0.07182339	-0.00006967	0.00016608	0.18259501	0.01557422
RelInt RSD	*1.00604738*	*1.55839899*	*0.93498680*	*164.24019670*	*60.76491082*	*0.90721981*	*0.91472807*
RelInt SD	*0.00017290*	*0.00006095*	*0.00067154*	*0.00011442*	*0.00010092*	*0.00165654*	*0.00014246*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	9873.81780	26826.49100	13189.75100	15879.00600	14169.87600	11953.41700	311056
Int RSD	*2.69850088*	*1.00785910*	*0.37113922*	*0.86618835*	*0.49238278*	*0.95277350*	*1.26986446*
Int SD	*266.44506000*	*270.37323000*	*48.95233900*	*137.54210000*	*69.77002900*	*113.88899000*	*3949.98870*
RelInt Mean	0.00061323	0.01394173	0.00409005	0.00768548	0.00717794	0.00590230	0.67538983
RelInt RSD	*15.71558051*	*0.78866597*	*1.48500835*	*1.91115393*	*0.16581480*	*1.71571939*	*0.17843106*
RelInt SD	*0.00009637*	*0.00010995*	*0.00006074*	*0.00014688*	*0.00001190*	*0.00010127*	*0.00120511*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	392289	10588.69500	22625.76400	1437149	27305873	460019	154317
Int RSD	*1.23318634*	*1.28442485*	*1.68070837*	*0.72218730*	*0.07434208*	*1.28928319*	*0.54892696*
Int SD	*4837.64880*	*136.00383000*	*380.27311000*	*10378.90400*	*20299.75500*	*5930.94920*	*847.08487000*
RelInt Mean	0.01233955	0.00493632	0.00040617	---	---	---	0.10482561
RelInt RSD	*1.41540334*	*1.65484695*	*2.88997844*	---	---	---	*1.30496679*
RelInt SD	*0.00017465*	*0.00008169*	*0.00001174*	---	---	---	*0.00136794*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	8867.49620	13321.09500	8240.30440	4901.41020	30301.93000	5780.75200	
Int RSD	*1.56669388*	*1.30839192*	*0.88977995*	*2.08340285*	*0.23093802*	*0.85200060*	
Int SD	*138.92652000*	*174.29213000*	*73.32057600*	*102.11612000*	*69.97867800*	*49.25204200*	
RelInt Mean	0.01868759	0.01302591	0.00157171	0.00016292	0.01668187	-0.00008112	
RelInt RSD	*0.81009577*	*2.84082459*	*3.74413244*	*41.77377100*	*0.48169137*	*20.90398222*	
RelInt SD	*0.00015139*	*0.00037004*	*0.00005885*	*0.00006806*	*0.00008036*	*0.00001696*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L3,S17108			Sample Type: Calibration Sample
Measure Date: 2022-08-08 09:26:48	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	53324.07400	9353.02590	39320.96600	134058	508724	1195.55750	145433
Int RSD	*0.86224910*	*1.77093116*	*0.22111759*	*0.34884656*	*0.16985167*	*5.74768800*	*0.05934750*
Int SD	*459.78635000*	*165.63565000*	*86.94557400*	*467.65533000*	*864.07553000*	*68.71691500*	*86.31105000*
RelInt Mean	0.00002962	0.01633224	0.02491259	0.09006144	0.35226194	0.00187962	0.09740580
RelInt RSD	*29.64642035*	*2.26069354*	*0.52930657*	*0.32454049*	*0.15564885*	*8.66483499*	*0.28800787*
RelInt SD	*0.00000878*	*0.00036922*	*0.00013186*	*0.00029229*	*0.00054829*	*0.00016287*	*0.00028054*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	239021	1056830	986935	235.66847000	2616.66730	2549032	218317
Int RSD	*0.29500773*	*1.13812907*	*0.18507198*	*49.74939159*	*4.63268257*	*0.33897595*	*0.19163200*
Int SD	*705.13075000*	*12028.08600*	*1826.54000*	*117.24363000*	*121.22189000*	*8640.60430*	*418.36522000*
RelInt Mean	0.16351046	0.03718472	0.68707182	-0.00012921	0.00027826	1.78390850	0.14999185
RelInt RSD	*0.09169283*	*0.11858955*	*0.08398083*	*164.01005428*	*113.08963016*	*0.46658831*	*0.36617056*
RelInt SD	*0.00014993*	*0.00004410*	*0.00057701*	*0.00021192*	*0.00031469*	*0.00832351*	*0.00054923*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	9685.02850	199481	65378.45600	111212	105895	91593.66100	3011825
Int RSD	*1.46563781*	*0.40750269*	*0.23074034*	*0.59864104*	*0.34650217*	*0.15142874*	*0.53822965*
Int SD	*141.94744000*	*812.89146000*	*150.85447000*	*665.76241000*	*366.92885000*	*138.69913000*	*16210.53300*
RelInt Mean	0.00029541	0.13499972	0.04057201	0.07452457	0.07150383	0.06175235	6.55042640
RelInt RSD	*48.94269605*	*0.16412310*	*0.44686918*	*0.41071958*	*0.55261240*	*0.34160885*	*0.13820902*
RelInt SD	*0.00014458*	*0.00022157*	*0.00018130*	*0.00030609*	*0.00039514*	*0.00021095*	*0.00905328*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3337752	75298.76300	99849.44400	1433062	27237695	461451	1458195
Int RSD	*1.13714681*	*0.38291820*	*1.51434153*	*0.26129515*	*1.06076182*	*0.45838604*	*0.21794831*
Int SD	*37955.13600*	*288.33267000*	*1512.06160*	*3744.52170*	*288927*	*2115.22620*	*3178.11230*
RelInt Mean	0.12058173	0.05028364	0.00322808	---	---	---	1.02032440
RelInt RSD	*0.57352741*	*0.43487167*	*0.67046993*	---	---	---	*0.37559786*
RelInt SD	*0.00069157*	*0.00021867*	*0.00002164*	---	---	---	*0.00383232*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	88159.73500	61419.79600	9941.56970	5540.63090	231029	6061.67920	
Int RSD	*0.87673538*	*0.70614036*	*0.27451586*	*0.91490637*	*0.13322768*	*0.51568374*	
Int SD	*772.92759000*	*433.70997000*	*27.29118600*	*50.69158500*	*307.79438000*	*31.25909400*	
RelInt Mean	0.19104425	0.11725531	0.00267597	0.00052871	0.15736976	0.00003596	
RelInt RSD	*1.32883643*	*1.18961444*	*1.33673916*	*10.32963964*	*0.31015994*	*59.13389485*	
RelInt SD	*0.00253867*	*0.00139489*	*0.00003577*	*0.00005461*	*0.00048810*	*0.00002126*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L4,S17107			Sample Type: Calibration Sample
Measure Date: 2022-08-08 09:30:09	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	58447.47900	68728.62400	341498	1250691	4726614	1340.56180	1303423
Int RSD	*0.44515645*	*0.42432197*	*0.45915915*	*0.45973485*	*0.34078306*	*5.84892565*	*0.36954905*
Int SD	*260.18272000*	*291.63065000*	*1568.01930*	*5749.86050*	*16107.49800*	*78.40846300*	*4816.78730*
RelInt Mean	-0.00004634	0.14785622	0.24063129	0.88940153	3.37273160	0.00230566	0.92566703
RelInt RSD	*16.67804540*	*1.48596670*	*0.53298866*	*0.35389188*	*0.12016731*	*11.36101215*	*0.15855885*
RelInt SD	*0.00000773*	*0.00219709*	*0.00128254*	*0.00314752*	*0.00405292*	*0.00026195*	*0.00146773*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	2193358	9961285	9048730	204.02562000	2634.32630	23226697	2077501
Int RSD	*0.34111530*	*1.00281118*	*0.27150145*	*16.13386740*	*4.52871954*	*0.43899320*	*0.33076017*
Int SD	*7481.88050*	*99892.87500*	*24567.43200*	*32.91722300*	*119.30125000*	*101964*	*6871.54710*
RelInt Mean	1.56141220	0.37623044	6.46158790	-0.00009695	0.00046347	16.59632100	1.48054000
RelInt RSD	*0.19152494*	*0.65804548*	*0.04676768*	*74.63094040*	*72.10310290*	*0.32316550*	*0.14321055*
RelInt SD	*0.00299049*	*0.00247577*	*0.00302193*	*0.00007236*	*0.00033417*	*0.05363358*	*0.00212029*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	9588.35150	1808137	541051	1075195	5031.11260	837216	26196859
Int RSD	*0.62833505*	*0.38526620*	*0.51196728*	*0.31418083*	*0.95340009*	*0.68586750*	*0.21414200*
Int SD	*60.24697300*	*6966.14140*	*2770.00290*	*3378.05560*	*47.96663200*	*5742.18960*	*56098.47700*
RelInt Mean	0.00073601	1.28585970	0.38003203	0.76319348	-0.00000849	0.59518369	57.96320300
RelInt RSD	*44.96166612*	*0.17575513*	*0.54671929*	*0.33782903*	*582.77825358*	*0.69590879*	*1.59673799*
RelInt SD	*0.00033092*	*0.00225996*	*0.00207771*	*0.00257829*	*0.00004947*	*0.00414194*	*0.92552048*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	31464744	676685	839296	1408880	26342699	453846	13102552
Int RSD	*1.75280838*	*0.37539754*	*1.74210749*	*0.22682290*	*0.59030318*	*1.43038861*	*0.39903416*
Int SD	*551517*	*2540.25980*	*14621.43200*	*3195.66230*	*155502*	*6491.76620*	*52283.65800*
RelInt Mean	1.19355600	0.47949243	0.03138720	---	---	---	9.36023310
RelInt RSD	*1.17172416*	*0.30323786*	*1.19732047*	---	---	---	*0.18075808*
RelInt SD	*0.01398518*	*0.00145400*	*0.00037581*	---	---	---	*0.01691938*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	848493	520555	27576.02300	10637.62100	2135824	8824.28340	
Int RSD	*0.96947889*	*0.98349844*	*0.53933372*	*0.79044954*	*0.27055854*	*1.21049263*	
Int SD	*8225.96470*	*5119.64900*	*148.72679000*	*84.08502600*	*5778.65350*	*106.81730000*	
RelInt Mean	1.87493560	1.12975720	0.01489315	0.00338130	1.51924500	0.00138162	
RelInt RSD	*0.47623698*	*0.50805674*	*0.57840236*	*1.24460110*	*0.21310798*	*5.50585324*	
RelInt SD	*0.00892914*	*0.00573981*	*0.00008614*	*0.00004208*	*0.00323763*	*0.00007607*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L5,S16645			Sample Type: Calibration Sample
Measure Date: 2022-08-08 09:33:31	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	1674554	2121.51450	3780.72460	7564.63390	7443.99470	1237.04630	6682.59910
Int RSD	*1.47917592*	*6.43410073*	*1.22999954*	*2.87134385*	*1.73169212*	*6.19818927*	*0.61254568*
Int SD	*24769.60400*	*136.50038000*	*46.50289500*	*217.20665000*	*128.90707000*	*76.67447100*	*40.93397200*
RelInt Mean	0.05986580	0.00079044	0.00001191	0.00123503	0.00038757	0.00210841	0.00008069
RelInt RSD	*1.57460319*	*42.10773818*	*289.67469218*	*11.52384689*	*20.02987852*	*10.18755124*	*49.92659792*
RelInt SD	*0.00094265*	*0.00033284*	*0.00003449*	*0.00014232*	*0.00007763*	*0.00021479*	*0.00004028*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6072.89140	57253.41200	12559.26600	302.71329000	2532.93280	10476.31000	8771.17190
Int RSD	*1.95709411*	*7.06696659*	*10.48235383*	*24.04866169*	*8.25831384*	*3.47615258*	*21.10895467*
Int SD	*118.85220000*	*4046.07950*	*1316.50670*	*72.79849500*	*209.17754000*	*364.17252000*	*1851.50270*
RelInt Mean	0.00019312	0.00050926	0.00305354	0.00005714	0.00034627	0.00170893	0.00296325
RelInt RSD	*56.53490464*	*34.20877451*	*30.80642844*	*233.96152297*	*51.47136703*	*14.33653488*	*44.35817626*
RelInt SD	*0.00010918*	*0.00017421*	*0.00094069*	*0.00013370*	*0.00017823*	*0.00024500*	*0.00131444*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	9378.84520	7369.99090	7447.93250	5681.52770	4046.09470	4472.61000	3052.76410
Int RSD	*2.22331359*	*0.73256401*	*1.12885595*	*4.57099417*	*0.56847713*	*8.82468939*	*3.10585590*
Int SD	*208.52114000*	*53.98990100*	*84.07642900*	*259.70230000*	*23.00112300*	*394.69394000*	*94.81445400*
RelInt Mean	0.00004763	0.00025267	-0.00002695	0.00050315	0.00002828	0.00062490	0.00324358
RelInt RSD	*866.54756225*	*15.40991369*	*118.81989693*	*35.76115274*	*45.25045868*	*46.41051620*	*2.52682155*
RelInt SD	*0.00041275*	*0.00003894*	*0.00003202*	*0.00017993*	*0.00001280*	*0.00029002*	*0.00008196*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	114140	6198.65430	14986.97200	1438885	27117510	460041	6561.00770
Int RSD	*13.88005980*	*28.19467606*	*2.24613945*	*0.86863331*	*0.66282660*	*0.47637657*	*4.80384789*
Int SD	*15842.75300*	*1747.69050*	*336.62829000*	*12498.63000*	*179742*	*2191.52590*	*315.18083000*
RelInt Mean	0.00212029	0.00180823	0.00011784	---	---	---	0.00135248
RelInt RSD	*28.58503187*	*68.33292879*	*17.79070163*	---	---	---	*16.45293654*
RelInt SD	*0.00060609*	*0.00123562*	*0.00002096*	---	---	---	*0.00022252*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	266.14890000	7337.81060	7921.89680	4860.64280	6953.14730	5808.08800	
Int RSD	*42.38702846*	*0.41786930*	*1.68683743*	*1.51268161*	*0.89414596*	*0.33408676*	
Int SD	*112.81261000*	*30.66245800*	*133.62952000*	*73.52605000*	*62.17128600*	*19.40405300*	
RelInt Mean	-0.00018228	0.00043849	0.00124924	0.00009312	0.00026571	-0.00010325	
RelInt RSD	*132.72765056*	*60.76883142*	*5.47242273*	*64.60263990*	*6.40335425*	*10.94150110*	
RelInt SD	*0.00024194*	*0.00026646*	*0.00006836*	*0.00006016*	*0.00001701*	*0.00001130*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L6,S17115			Sample Type: Calibration Sample
Measure Date: 2022-08-08 09:36:52	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	53443.02600	2624.24970	3777.58620	7074.69700	7313.81270	97444.53600	6691.61900
Int RSD	*0.86423944*	*4.75472475*	*1.17388530*	*0.30778900*	*0.29340980*	*1.14591002*	*0.35641585*
Int SD	*461.87571000*	*124.77585000*	*44.34452900*	*21.77513900*	*21.45944300*	*1116.62670*	*23.84999100*
RelInt Mean	0.00005428	0.00088036	-0.00004070	0.00080902	0.00019677	0.21781908	0.00000261
RelInt RSD	*19.50776387*	*23.89398750*	*82.65284564*	*3.77247631*	*17.95312565*	*1.43914450*	*433.25722363*
RelInt SD	*0.00001059*	*0.00021035*	*0.00003364*	*0.00003052*	*0.00003533*	*0.00313473*	*0.00001129*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6029.15960	50950.19100	10393.69300	27725.54000	19256.41700	8795.64620	5316.27420
Int RSD	*0.35366163*	*0.64309111*	*0.50843024*	*2.04565830*	*2.97678722*	*0.54514338*	*3.07221305*
Int SD	*21.32282400*	*327.65615000*	*52.84467800*	*567.16981000*	*573.22256000*	*47.94888300*	*163.32727000*
RelInt Mean	0.00007540	0.00027973	0.00146963	0.06143199	0.03742970	0.00041524	0.00051327
RelInt RSD	*14.41023623*	*2.90284124*	*4.05077061*	*2.23121417*	*2.79122469*	*9.15865941*	*24.21934560*
RelInt SD	*0.00001086*	*0.00000812*	*0.00005953*	*0.00137068*	*0.00104475*	*0.00003803*	*0.00012431*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	547948	7374.31750	7537.86530	5249.11600	4056.01690	3953.27160	2255.59530
Int RSD	*0.67932512*	*0.43002950*	*0.70559268*	*0.64908122*	*0.63898232*	*1.67823794*	*5.66201215*
Int SD	*3722.34900*	*31.71174100*	*53.18662600*	*34.07102600*	*25.91723100*	*66.34530400*	*127.71208000*
RelInt Mean	1.20392750	0.00017572	-0.00007566	0.00013254	0.00000039	0.00021486	0.00139030
RelInt RSD	*0.58945510*	*19.04149686*	*35.27894045*	*13.06371939*	*4663.76972*	*31.95388970*	*7.43893101*
RelInt SD	*0.00709661*	*0.00003346*	*0.00002669*	*0.00001732*	*0.00001823*	*0.00006866*	*0.00010342*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	72868.56300	3697.89580	14534.08800	1404811	26456577	448424	5667.69960
Int RSD	*3.32033527*	*0.51612520*	*1.92427884*	*0.41492678*	*0.67166191*	*0.28492699*	*0.95499073*
Int SD	*2419.48060*	*19.08577200*	*279.67638000*	*5828.93710*	*177699*	*1277.68010*	*54.12600600*
RelInt Mean	0.00060311	0.00001568	0.00009393	---	---	---	0.00068761
RelInt RSD	*14.08193000*	*112.52496902*	*8.61640722*	---	---	---	*6.16143096*
RelInt SD	*0.00008493*	*0.00001764*	*0.00000809*	---	---	---	*0.00004237*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	167.91777000	7448.86860	1020413	4959.69410	6876.67550	5896.23690	
Int RSD	*24.47270768*	*5.41326397*	*0.32993568*	*1.58795937*	*0.21574589*	*0.51206640*	
Int SD	*41.09402500*	*403.22692000*	*3366.70690*	*78.75792700*	*14.83614500*	*30.19264800*	
RelInt Mean	-0.00013213	0.00042256	0.72566574	0.00012608	0.00016245	-0.00008937	
RelInt RSD	*52.42394643*	*78.55745841*	*0.08606304*	*57.70416050*	*15.16880597*	*19.23409026*	
RelInt SD	*0.00006927*	*0.00033196*	*0.00062453*	*0.00007275*	*0.00002464*	*0.00001719*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L7,S17113			Sample Type: Calibration Sample
Measure Date: 2022-08-08 09:40:14	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	53896.04800	2267.54790	3730.24650	6818.82550	7191.21680	1256.98450	6658.77770
Int RSD	*0.87480542*	*6.90558334*	*0.51567273*	*0.39099723*	*0.35087709*	*7.42509745*	*0.53261183*
Int SD	*471.48555000*	*156.58741000*	*19.23586400*	*26.66141900*	*25.23233200*	*93.33232400*	*35.46543800*
RelInt Mean	0.00003192	0.00098250	-0.00005992	0.00066838	0.00014500	0.00212313	-0.00000012
RelInt RSD	*29.32703477*	*30.29606895*	*7.12369739*	*2.71981337*	*29.67906303*	*14.65371469*	*26491.48080*
RelInt SD	*0.00000936*	*0.00029766*	*0.00000427*	*0.00001818*	*0.00004304*	*0.00031112*	*0.00003165*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6000.65480	51452.04700	9416.22230	293.64601000	2708.89730	8546.86180	4885.10640
Int RSD	*1.16464100*	*1.14582028*	*0.18653219*	*32.22421037*	*2.71801733*	*1.03908370*	*1.02182517*
Int SD	*69.88608600*	*589.54799000*	*17.56428600*	*94.62510800*	*73.62829800*	*88.80904800*	*49.91724700*
RelInt Mean	0.00009442	0.00026545	0.00076401	-0.00004872	0.00025712	0.00029750	0.00021030
RelInt RSD	*30.29383356*	*1.08609968*	*2.33298406*	*346.15685557*	*49.85371047*	*9.67602139*	*16.35844196*
RelInt SD	*0.00002860*	*0.00000288*	*0.00001782*	*0.00016864*	*0.00012818*	*0.00002879*	*0.00003440*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	9824.00350	7303.49590	7493.11780	5100.19840	4067.85410	3726.55530	1793.80830
Int RSD	*2.44855084*	*0.94054738*	*0.29379409*	*0.48226034*	*1.25318118*	*1.00021041*	*7.81007592*
Int SD	*240.54572000*	*68.69283900*	*22.01433700*	*24.59623400*	*50.97758200*	*37.27339400*	*140.09779000*
RelInt Mean	0.00046612	0.00015119	-0.00005513	0.00004890	0.00000309	0.00007614	0.00023519
RelInt RSD	*34.28457551*	*23.98428572*	*60.27260420*	*34.46929429*	*1039.53398*	*6.67406908*	*102.20433775*
RelInt SD	*0.00015981*	*0.00003626*	*0.00003323*	*0.00001686*	*0.00003214*	*0.00000508*	*0.00024038*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	59006.55800	3617.59950	14514.27100	1453728	27558832	457335	5444.96880
Int RSD	*1.08337885*	*1.16861775*	*2.04459969*	*0.32886151*	*0.77848430*	*0.94500591*	*0.99370467*
Int SD	*639.26457000*	*42.27591000*	*296.75874000*	*4780.75290*	*214541*	*4321.84720*	*54.10690900*
RelInt Mean	0.00004536	-0.00005448	0.00009145	---	---	---	0.00052478
RelInt RSD	*18.17734457*	*14.94630146*	*3.34144503*	---	---	---	*7.84502960*
RelInt SD	*0.00000824*	*0.00000814*	*0.00000306*	---	---	---	*0.00004117*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	221.46944000	7470.64730	8433.51310	659464	6855.56390	311906	
Int RSD	*25.03791674*	*2.18032325*	*1.11268419*	*0.02131815*	*0.85274899*	*0.38927357*	
Int SD	*55.45133400*	*162.88426000*	*93.83836700*	*140.58562000*	*58.46075200*	*1214.16880*	
RelInt Mean	-0.00020358	0.00015446	0.00154193	0.45278830	0.00013779	0.21161927	
RelInt RSD	*40.16986493*	*52.69436848*	*5.50254847*	*0.35626305*	*9.83595836*	*0.31597431*	
RelInt SD	*0.00008178*	*0.00008139*	*0.00008485*	*0.00161312*	*0.00001355*	*0.00066866*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L8,S17048			Sample Type: Calibration Sample
Measure Date: 2022-08-08 09:43:35	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	53531.86200	9335.45140	4130.92690	7402.48860	7765.18050	1696539	7122.40650
Int RSD	*0.69193384*	*11.03066532*	*1.21681207*	*0.34777664*	*0.52253883*	*0.51969583*	*0.25737881*
Int SD	*370.40507000*	*1029.76240*	*50.26561700*	*25.74412600*	*40.57608300*	*8816.84140*	*18.33156500*
RelInt Mean	0.00003706	0.00246652	-0.00004493	0.00063798	0.00024537	3.98652000	0.00000855
RelInt RSD	*38.19119534*	*96.34740429*	*95.99366410*	*2.67585835*	*10.13559269*	*1.53510796*	*391.45061658*
RelInt SD	*0.00001415*	*0.00237643*	*0.00004313*	*0.00001707*	*0.00002487*	*0.06119739*	*0.00003345*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6663.89410	51888.62200	10033.94800	108456	296712	9655.97060	5034.64080
Int RSD	*0.40209080*	*0.12063303*	*0.28370506*	*0.46182533*	*0.95481630*	*0.38822706*	*0.81251145*
Int SD	*26.79490500*	*62.59481600*	*28.46681800*	*500.87807000*	*2833.05320*	*37.48709100*	*40.90703300*
RelInt Mean	0.00006592	0.00029125	0.00070750	0.25396056	0.68932912	0.00058241	0.00007084
RelInt RSD	*26.06816765*	*2.77517200*	*4.84630408*	*1.13118029*	*0.60259446*	*3.30137013*	*54.08166607*
RelInt SD	*0.00001718*	*0.00000808*	*0.00003429*	*0.00287275*	*0.00415386*	*0.00001923*	*0.00003831*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	2042691	7854.62970	7973.75740	5360.70220	4292.96780	3984.77860	3203.30910
Int RSD	*0.34391426*	*0.46005112*	*0.65670409*	*0.38917584*	*0.85916400*	*0.89995673*	*0.86753604*
Int SD	*7025.10490*	*36.13531200*	*52.36399100*	*20.86255800*	*36.88363400*	*35.86128300*	*27.78986100*
RelInt Mean	4.77081200	0.00017672	-0.00007299	0.00000836	0.00000548	0.00006003	0.00366679
RelInt RSD	*1.46492855*	*19.26435680*	*77.75919875*	*350.33394982*	*464.47243700*	*51.65534654*	*3.26193187*
RelInt SD	*0.06988899*	*0.00003404*	*0.00005675*	*0.00002929*	*0.00002543*	*0.00003101*	*0.00011961*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	62726.57900	3866.44930	15678.65400	1312167	24595622	427342	6035.81440
Int RSD	*0.40034793*	*0.44736027*	*0.86243921*	*0.60426087*	*0.52723033*	*1.11213382*	*0.67342820*
Int SD	*251.12456000*	*17.29695800*	*135.21886000*	*7928.91110*	*129676*	*4752.61070*	*40.64687600*
RelInt Mean	0.00013508	-0.00002189	0.00010216	---	---	---	0.00082092
RelInt RSD	*7.71388735*	*101.46682246*	*5.58593697*	---	---	---	*3.94337035*
RelInt SD	*0.00001042*	*0.00002221*	*0.00000571*	---	---	---	*0.00003237*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	236.96270000	7318.07990	8711.62520	5444.46950	7309.05390	6344.58420	
Int RSD	*15.78953396*	*1.30661264*	*1.25752253*	*1.56061047*	*0.57058638*	*0.56008706*	
Int SD	*37.41530600*	*95.61895700*	*109.55065000*	*84.96696100*	*41.70446600*	*35.53519500*	
RelInt Mean	-0.00021082	0.00063125	0.00135480	0.00033640	0.00015749	0.00000592	
RelInt RSD	*64.28657792*	*55.47210176*	*6.20888686*	*20.89963883*	*25.60028881*	*579.06020607*	
RelInt SD	*0.00013553*	*0.00035017*	*0.00008412*	*0.00007031*	*0.00004032*	*0.00003426*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICV,S17024			Sample Type: Control Sample
Measure Date: 2022-08-08 09:47:01	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	413121	8549.37120	38115.77700	129447	459820	892797	261474
Int RSD	*0.73680301*	*0.64380585*	*0.62670765*	*0.63804782*	*0.94640766*	*0.20537080*	*0.67808726*
Int SD	*3043.88900*	*55.04135200*	*238.87449000*	*825.93134000*	*4351.77320*	*1833.54360*	*1773.02270*
RelInt Mean	0.01420265	0.00816595	0.02539714	0.09205355	0.33843384	2.06074410	0.19019134
RelInt RSD	*1.38934019*	*2.04633236*	*1.13390765*	*1.09239289*	*1.20288580*	*0.27080506*	*0.93532608*
RelInt SD	*0.00019732*	*0.00016710*	*0.00028798*	*0.00100559*	*0.00407097*	*0.00558060*	*0.00177891*
Conc Mean	0.47374172[mg/l]	0.97892496[mg/l]	1.05378970[mg/l]	1.02361140[mg/l]	0.99834866[mg/l]	103.31526000[mg/l]	1.02487570[mg/l]
Conc RSD	*1.39219031*	*2.32317736*	*1.13468997*	*1.10594245*	*1.20458518*	*0.27105977*	*0.93875598*
Conc SD	*0.00659539[mg/l]*	*0.02274216[mg/l]*	*0.01195725[mg/l]*	*0.01132055[mg/l]*	*0.01202596[mg/l]*	*0.28004611[mg/l]*	*0.00962108[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	213111	994752	452396	58641.12100	150809	2239101	212096
Int RSD	*0.57711215*	*1.11327947*	*0.62434839*	*0.88498823*	*0.26429010*	*0.36256637*	*0.74695469*
Int SD	*1229.89040*	*11074.37000*	*2824.52760*	*518.96702000*	*398.57214000*	*8118.22750*	*1584.26020*
RelInt Mean	0.15443232	0.03747349	0.33178164	0.13459048	0.34123135	1.66881650	0.15495315
RelInt RSD	*0.90712961*	*1.87770730*	*0.92486911*	*0.94688198*	*0.31766513*	*0.69097603*	*1.09189520*
RelInt SD	*0.00140090*	*0.00070364*	*0.00306855*	*0.00127441*	*0.00108397*	*0.01153112*	*0.00169193*
Conc Mean	0.98738337[mg/l]	0.98478732[mg/l]	1.01755190[mg/l]	106.02972000[mg/l]	98.93819600[mg/l]	1.00404940[mg/l]	1.03184560[mg/l]
Conc RSD	*0.90834519*	*1.90198986*	*0.93324569*	*0.94619141*	*0.31795137*	*0.69149927*	*1.10936142*
Conc SD	*0.00896885[mg/l]*	*0.01873055[mg/l]*	*0.00949626[mg/l]*	*1.00324410[mg/l]*	*0.31457535[mg/l]*	*0.00694299[mg/l]*	*0.01144690[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	1052994	176259	59600.38700	40614.63400	35229.17800	401758	557173
Int RSD	*0.49050006*	*0.81502060*	*0.21870115*	*0.23188586*	*0.03660556*	*0.92288309*	*0.44647447*
Int SD	*5164.93620*	*1436.54700*	*130.34673000*	*94.17959400*	*12.89583900*	*3707.75720*	*2487.63740*
RelInt Mean	2.40571440	0.12610635	0.03854073	0.02636042	0.02312451	0.29769318	1.28271140
RelInt RSD	*0.08835585*	*1.20532376*	*0.66364568*	*0.32306503*	*0.42718100*	*1.18686938*	*0.09877474*
RelInt SD	*0.00212559*	*0.00151999*	*0.00025577*	*0.00008516*	*0.00009878*	*0.00353323*	*0.00126699*
Conc Mean	100.79440000[mg/l]	0.97843969[mg/l]	1.01406010[mg/l]	1.01340840[mg/l]	0.96979957[mg/l]	4.99522050[mg/l]	0.97722801[mg/l]
Conc RSD	*0.08835575*	*1.20775630*	*0.66270210*	*0.32936340*	*0.42743326*	*1.18928602*	*0.09897703*
Conc SD	*0.08905765[mg/l]*	*0.01181717[mg/l]*	*0.00672020[mg/l]*	*0.00333780[mg/l]*	*0.00414525[mg/l]*	*0.05940746[mg/l]*	*0.00096723[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3125514	25997.49800	172130	1345691	25352941	434967	446513
Int RSD	*0.92676923*	*0.29810227*	*1.10612316*	*0.42615567*	*0.85652552*	*0.46826248*	*0.50579366*
Int SD	*28966.30200*	*77.49913100*	*1903.96780*	*5734.73850*	*217154*	*2036.78860*	*2258.43600*
RelInt Mean	0.12115765	0.01642725	0.00629027	---	---	---	0.33024630
RelInt RSD	*1.67894846*	*0.70720847*	*1.63384506*	---	---	---	*0.88529310*
RelInt SD	*0.00203417*	*0.00011617*	*0.00010277*	---	---	---	*0.00292365*
Conc Mean	1.00063510[mg/l]	0.93055260[mg/l]	0.98767475[mg/l]	1336304	25274780	432913	0.96801816[mg/l]
Conc RSD	*1.70605478*	*0.77903565*	*1.66377383*	---	---	---	*0.88842307*
Conc SD	*0.01707138[mg/l]*	*0.00724934[mg/l]*	*0.01643267[mg/l]*	*5724.79240*	*217515*	*2015.82720*	*0.00860010[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	156488	58885.12300	531531	334014	432197	6460.68540	
Int RSD	*0.12229234*	*0.92980855*	*0.85075761*	*0.67045810*	*0.86007139*	*0.46986479*	
Int SD	*191.37272000*	*547.51891000*	*4522.03840*	*2239.42480*	*3717.20550*	*30.35648600*	
RelInt Mean	0.36055680	0.11880433	0.39232787	0.24594805	0.31778734	0.00007717	
RelInt RSD	*0.44960225*	*1.30992111*	*1.20787129*	*1.04088807*	*1.23178145*	*62.70119015*	
RelInt SD	*0.00162107*	*0.00155624*	*0.00473882*	*0.00256004*	*0.00391445*	*0.00004839*	
Conc Mean	0.96164266[mg/l]	1.04799200[mg/l]	5.37471900[mg/l]	5.43088970[mg/l]	1.04090050[mg/l]	0.00905348[mg/l]	
Conc RSD	*0.44941999*	*1.31440975*	*1.21246368*	*1.04129281*	*1.23384608*	*25.24326013*	
Conc SD	*0.00432181[mg/l]*	*0.01377491[mg/l]*	*0.06516652[mg/l]*	*0.05655146[mg/l]*	*0.01284311[mg/l]*	*0.00228539[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 466919 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482317356012 File : met06_master Time : 08-AUG-2022 09:53
Cal : 482317356001 Caldate : 08-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27010512	27266158	0.95
Yttrium	A	1416424	1441464	1.77
Yttrium	R	460362	460476	0.02

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICB,1			Sample Type: Control Sample
Measure Date: 2022-08-08 09:53:42	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	53565.19900	2273.04220	3726.58310	6604.03870	7157.67890	1246.23090	6631.30020
Int RSD	*0.66427301*	*4.61740965*	*1.29461651*	*0.88712754*	*0.62817247*	*12.37012499*	*0.94005361*
Int SD	*355.81916000*	*104.95567000*	*48.24496000*	*58.58624600*	*44.96256800*	*154.16032000*	*62.33777700*
RelInt Mean	0.00004223	0.00089386	-0.00005551	0.00052269	0.00013177	0.00199444	-0.00000734
RelInt RSD	*15.66367978*	*20.40225677*	*50.20909213*	*10.75858113*	*20.57541297*	*13.38866975*	*557.97254652*
RelInt SD	*0.00000661*	*0.00018237*	*0.00002787*	*0.00005623*	*0.00002711*	*0.00026703*	*0.00004094*
Conc Mean	<0.00043962[mg/l]	<-0.01078520[mg/l]	<-0.00274502[mg/l]	<-0.00681290[mg/l]	<-0.00050032[mg/l]	<0.00275586[mg/l]	<-0.00021467[mg/l]
Conc RSD	*50.29116648*	*230.12667169*	*42.18477160*	*9.29205394*	*15.99608341*	*486.23873651*	*102.90646317*
Conc SD	*0.00022109[mg/l]*	*0.02481963[mg/l]*	*0.00115798[mg/l]*	*0.00063306[mg/l]*	*0.00008003[mg/l]*	*0.01340007[mg/l]*	*0.00022091[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	5946.58440	51167.33300	9442.73530	301.07432000	2627.31590	8284.66860	4771.91480
Int RSD	*0.22774712*	*0.78897517*	*0.61067302*	*13.60343121*	*5.96967003*	*0.10407067*	*1.63535579*
Int SD	*13.54317500*	*403.69755000*	*57.66423700*	*40.95643800*	*156.84209000*	*8.62191020*	*78.03778500*
RelInt Mean	0.00005850	0.00026465	0.00078900	-0.00004698	0.00012092	0.00010212	0.00012303
RelInt RSD	*5.71034980*	*2.28169011*	*4.70191984*	*213.91364830*	*124.08004872*	*21.38787712*	*58.04187012*
RelInt SD	*0.00000334*	*0.00000604*	*0.00003710*	*0.00010050*	*0.00015004*	*0.00002184*	*0.00007141*
Conc Mean	<-0.00094823[mg/l]	<-0.00569192[mg/l]	<-0.00677086[mg/l]	<0.04068571[mg/l]	<-0.05418506[mg/l]	<-0.00069693[mg/l]	<-0.01567715[mg/l]
Conc RSD	*2.25528302*	*2.82405470*	*1.69561444*	*194.45547125*	*80.35657170*	*1.88702354*	*3.08175643*
Conc SD	*0.00002139[mg/l]*	*0.00016074[mg/l]*	*0.00011481[mg/l]*	*0.07911559[mg/l]*	*0.04354126[mg/l]*	*0.00001315[mg/l]*	*0.00048313[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	10226.17600	7257.45080	7510.05310	5082.98710	4062.77840	3770.52840	1694.66860
Int RSD	*0.60283039*	*0.03398847*	*0.28862034*	*0.31738273*	*0.86939632*	*0.38309432*	*7.41500138*
Int SD	*61.64649700*	*2.46669650*	*21.67554100*	*16.13252300*	*35.32164600*	*14.44468000*	*125.65970000*
RelInt Mean	0.00133088	0.00010654	-0.00004882	0.00004464	0.00000780	0.00010450	0.00001349
RelInt RSD	*28.40888773*	*14.03566275*	*44.28450840*	*23.16092040*	*507.82909616*	*13.53157572*	*1626.86388*
RelInt SD	*0.00037809*	*0.00001495*	*0.00002162*	*0.00001034*	*0.00003961*	*0.00001414*	*0.00021939*
Conc Mean	0.05413524[mg/l]	<-0.00114602[mg/l]	<-0.00033044[mg/l]	<-0.01613764[mg/l]	<-0.00024485[mg/l]	<-0.00841413[mg/l]	<-0.00198383[mg/l]
Conc RSD	*29.26251997*	*10.14449088*	*171.74837067*	*2.52051254*	*678.77356030*	*2.82563937*	*8.44249515*
Conc SD	*0.01584134[mg/l]*	*0.00011626[mg/l]*	*0.00056753[mg/l]*	*0.00040675[mg/l]*	*0.00166195[mg/l]*	*0.00023775[mg/l]*	*0.00016748[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	58834.54100	3564.63420	14462.82400	1441464	27266158	460476	5117.21480
Int RSD	*0.97800042*	*0.07464533*	*2.11970048*	*0.89592673*	*0.51856609*	*1.60418809*	*1.66439040*
Int SD	*575.40206000*	*2.66083290*	*306.56855000*	*12914.46300*	*141393*	*7386.90020*	*85.17043200*
RelInt Mean	0.00005024	-0.00007992	0.00009261	---	---	---	0.00029913
RelInt RSD	*20.80841832*	*32.62011178*	*6.55931811*	---	---	---	*21.90562940*
RelInt SD	*0.00001045*	*0.00002607*	*0.00000607*	---	---	---	*0.00006553*
Conc Mean	<-0.01573506[mg/l]	<-0.09996165[mg/l]	<-0.00269570[mg/l]	1432441	27190688	458425	<-0.00254918[mg/l]
Conc RSD	*0.55756689*	*1.63810801*	*36.01842045*	---	---	---	*7.56564434*
Conc SD	*0.00008773[mg/l]*	*0.00163748[mg/l]*	*0.00097095[mg/l]*	*12865.62500*	*140827*	*7465.31310*	*0.00019286[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	191.28372000	7558.05100	8138.92770	5044.31780	6801.13560	5893.87610	
Int RSD	*25.10942855*	*1.47673851*	*0.37262575*	*2.08158812*	*0.55397641*	*0.75823654*	
Int SD	*48.03024900*	*111.61265000*	*30.32774000*	*105.00192000*	*37.67668700*	*44.68952200*	
RelInt Mean	-0.00030101	0.00037565	0.00133576	0.00017638	0.00010837	-0.00007468	
RelInt RSD	*36.25904651*	*37.23158019*	*2.88051380*	*33.80833343*	*37.20539252*	*50.15354610*	
RelInt SD	*0.00010914*	*0.00013986*	*0.00003848*	*0.00005963*	*0.00004032*	*0.00003745*	
Conc Mean	<-0.00041129[mg/l]	<-0.00026551[mg/l]	<0.00026301[mg/l]	<0.00178260[mg/l]	<-0.00060015[mg/l]	<0.00188150[mg/l]	
Conc RSD	*70.74709353*	*466.26372726*	*197.89332835*	*73.89440124*	*21.42720571*	*94.01820215*	
Conc SD	*0.00029098[mg/l]*	*0.00123796[mg/l]*	*0.00052047[mg/l]*	*0.00131724[mg/l]*	*0.00012860[mg/l]*	*0.00176896[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 466919 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482317356013 File : met06_master Time : 08-AUG-2022 09:57
Cal : 482317356001 Caldate : 08-AUG-2022
Standards: S16979, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	0.004818	0.003333	mg/l	!a+

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	140.2	mg/l	88	
Iron as Fe2O3	A	228.8	200.4	mg/l	88	
Aluminum	R	400.0	364.6	mg/l	91	
Aluminum as Al2O3	R	755.8	688.9	mg/l	91	
Calcium	R	400.0	395.6	mg/l	99	
Calcium as CaCO3	R	998.9	987.9	mg/l	99	
Magnesium	R	400.0	415.8	mg/l	104	
Magnesium as MgCO3	R	1388	1442	mg/l	104	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27010512	24280137	-10.11
Yttrium	A	1416424	1307155	-7.71
Yttrium	R	460362	421968	-8.34

!=warning +=high bias a=ICSA

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICSA,S16979 | Sample Type: Control Sample

Measure Date: 2022-08-08 09:57:01 | Recalculation Date: | State: Checked | Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	54577.47700	1140549	10818.22300	9803.45360	8980.37530	3313324	8466.93370
Int RSD	*0.57160955*	*0.82072055*	*0.48770581*	*0.82007295*	*0.38525777*	*0.80122651*	*0.31005285*
Int SD	*311.97007000*	*9360.71670*	*52.76110200*	*80.39547100*	*34.59759400*	*26547.23200*	*26.25196900*
RelInt Mean	0.00001455	2.67996800	-0.00010003	0.00100464	0.00029394	7.88519610	0.00023782
RelInt RSD	*55.02755150*	*1.13789500*	*31.76088482*	*5.07804864*	*19.43006870*	*0.74718545*	*4.53237496*
RelInt SD	*0.00000800*	*0.03049522*	*0.00003177*	*0.00005102*	*0.00005711*	*0.05891704*	*0.00001078*
Conc Mean	<-0.00048569[mg/l]	>364.60323000[mg/l]	<-0.00459200[mg/l]	<-0.00138720[mg/l]	<-0.00000875[mg/l]	>395.59883000[mg/l]	0.00110602[mg/l]
Conc RSD	*55.08187082*	*1.13830629*	*28.74448538*	*41.40142629*	*1969.23742*	*0.74736953*	*5.25857442*
Conc SD	*0.00026753[mg/l]*	*4.15030150[mg/l]*	*0.00131995[mg/l]*	*0.00057432[mg/l]*	*0.00017226[mg/l]*	*2.95658510[mg/l]*	*0.00005816[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7732.90090	55113.29100	58704287	228.46918000	606300	15567.84000	15804.70900
Int RSD	*1.18645391*	*0.54810329*	*0.58147143*	*49.44526435*	*0.41073268*	*1.07489202*	*0.22377936*
Int SD	*91.74730500*	*302.07776000*	*341349*	*112.96719000*	*2490.27040*	*167.33747000*	*35.36767700*
RelInt Mean	-0.00035327	0.00031521	45.30417200	0.00000637	1.43294900	0.00215372	-0.00031825
RelInt RSD	*10.02728541*	*0.69944455*	*2.49839154*	*1896.35011*	*0.30445211*	*7.90541332*	*38.71701400*
RelInt SD	*0.00003542*	*0.00000220*	*1.13187560*	*0.00012075*	*0.00436264*	*0.00017026*	*0.00012322*
Conc Mean	<-0.00358442[mg/l]	<-0.00434612[mg/l]	>140.19359000[mg/l]	<0.08268328[mg/l]	>415.76149000[mg/l]	<0.00053835[mg/l]	<-0.01866267[mg/l]
Conc RSD	*6.32701682*	*1.35035668*	*2.49855803*	*114.96772727*	*0.30451777*	*19.04241232*	*4.46682777*
Conc SD	*0.00022679[mg/l]*	*0.00005869[mg/l]*	*3.50281820[mg/l]*	*0.09505909[mg/l]*	*1.26606760[mg/l]*	*0.00010252[mg/l]*	*0.00083363[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	9667.79240	8586.69710	20006.94900	18359.55200	13048.90100	10507.93000	11897.62400
Int RSD	*0.64657367*	*0.46649319*	*1.17568441*	*0.73573663*	*1.30313380*	*0.48696606*	*0.80960862*
Int SD	*62.50940000*	*40.05635700*	*235.21858000*	*135.07795000*	*170.04464000*	*51.17005300*	*96.32418900*
RelInt Mean	0.00207108	-0.00009678	0.00291616	0.00002122	-0.00023585	-0.00020223	0.02442117
RelInt RSD	*18.09223359*	*64.61260124*	*5.35919859*	*303.27419687*	*65.83802554*	*40.27553891*	*1.65023564*
RelInt SD	*0.00037470*	*0.00006253*	*0.00015628*	*0.00006436*	*0.00015528*	*0.00008145*	*0.00040301*
Conc Mean	0.08514861[mg/l]	<-0.00272672[mg/l]	<0.00481799[mg/l]	<-0.01704367[mg/l]	<-0.01046921[mg/l]	<-0.01357152[mg/l]	0.01664901[mg/l]
Conc RSD	*18.43786284*	*17.82873041*	*68.57587879*	*14.85934428*	*62.24017581*	*10.09109368*	*1.84789040*
Conc SD	*0.01569958[mg/l]*	*0.00048614[mg/l]*	*0.00330398[mg/l]*	*0.00253258[mg/l]*	*0.00651606[mg/l]*	*0.00136952[mg/l]*	*0.00030766[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	67911.17700	10890.75500	17591.26000	1307155	24280137	421968	18505.33300
Int RSD	*0.31329148*	*0.80485352*	*0.47688503*	*2.41079031*	*0.93955701*	*0.66589349*	*0.46472397*
Int SD	*212.75993000*	*87.65462500*	*83.89008600*	*31512.75400*	*228126*	*2809.85950*	*85.99871800*
RelInt Mean	0.00024976	-0.00008476	0.00008350	---	---	---	0.00107771
RelInt RSD	*1.55581128*	*85.86387166*	*7.51914708*	---	---	---	*10.25198805*
RelInt SD	*0.00000389*	*0.00007278*	*0.00000628*	---	---	---	*0.00011049*
Conc Mean	<-0.01406060[mg/l]	<-0.10026146[mg/l]	<-0.00415118[mg/l]	1295964	24190767	419908	<-0.00025641[mg/l]
Conc RSD	*0.23193501*	*4.55421385*	*24.18325056*	---	---	---	*126.81271030*
Conc SD	*0.00003261[mg/l]*	*0.00456612[mg/l]*	*0.00100389[mg/l]*	*31642.18000*	*228098*	*2786.16690*	*0.00032515[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	153.72515000	6911.96530	11351.35700	9815.13940	8950.12490	12208.26200	
Int RSD	*41.82497204*	*0.91637391*	*0.67994153*	*0.46019539*	*0.17467467*	*0.34923753*	
Int SD	*64.29550100*	*63.33944700*	*77.18259000*	*45.16881900*	*15.63360100*	*42.63583300*	
RelInt Mean	-0.00034928	0.00061675	0.00183736	0.00023803	-0.00023023	0.00025399	
RelInt RSD	*56.96438210*	*33.79583966*	*6.81888433*	*20.96294651*	*9.31566914*	*14.31993984*	
RelInt SD	*0.00019897*	*0.00020843*	*0.00012529*	*0.00004990*	*0.00002145*	*0.00003637*	
Conc Mean	<-0.00053998[mg/l]	<0.00186851[mg/l]	0.00725529[mg/l]	0.00314452[mg/l]	<-0.00170765[mg/l]	0.01740453[mg/l]	
Conc RSD	*98.23372709*	*98.73838175*	*24.08938584*	*35.05330632*	*4.33660739*	*9.86991665*	
Conc SD	*0.00053044[mg/l]*	*0.00184493[mg/l]*	*0.00174775[mg/l]*	*0.00110226[mg/l]*	*0.00007405[mg/l]*	*0.00171781[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 466919 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482317356014 File : met06_master Time : 08-AUG-2022 10:00
Cal : 482317356001 Caldate : 08-AUG-2022
Standards: S17065, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	0.9984	mg/l	0	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27010512	24347578	-9.86
Yttrium	A	1416424	1307594	-7.68
Yttrium	R	460362	418612	-9.07

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICSAB,S17065			Sample Type: Control Sample
Measure Date: 2022-08-08 10:00:22	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	778720	1142489	10796.54500	9855.17440	226653	3330027	124580
Int RSD	*0.93531216*	*1.09821027*	*0.19316746*	*0.39746593*	*0.69486834*	*0.61290834*	*0.25692066*
Int SD	*7283.46310*	*12546.92600*	*20.85541200*	*39.17096100*	*1574.93910*	*20410.01500*	*320.07250000*
RelInt Mean	0.02978208	2.70761900	-0.00009009	0.00098219	0.16818844	7.99084380	0.08966164
RelInt RSD	*1.27422083*	*1.80451928*	*19.05531316*	*5.09471988*	*2.46552908*	*1.53950525*	*2.72581506*
RelInt SD	*0.00037949*	*0.04885951*	*0.00001717*	*0.00005004*	*0.00414673*	*0.12301946*	*0.00244401*
Conc Mean	0.99447288[mg/l]	>368.36645000[mg/l]	<-0.00461442[mg/l]	<-0.00163991[mg/l]	0.49761031[mg/l]	>400.90046000[mg/l]	0.48388297[mg/l]
Conc RSD	*1.27546445*	*1.80516852*	*15.34925017*	*34.35151802*	*2.46960458*	*1.53987855*	*2.72679818*
Conc SD	*0.01268415[mg/l]*	*6.64963520[mg/l]*	*0.00070828[mg/l]*	*0.00056333[mg/l]*	*0.01228901[mg/l]*	*6.17338020[mg/l]*	*0.01319451[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	107649	540434	58549847	168.30784000	597890	1088941	15913.19100
Int RSD	*0.54147802*	*1.17285532*	*0.40251798*	*44.30384348*	*0.82673581*	*0.56180907*	*0.54692044*
Int SD	*582.89584000*	*6338.50820*	*235674*	*74.56684200*	*4942.97100*	*6117.76710*	*87.03249400*
RelInt Mean	0.07662142	0.02026146	45.17860300	-0.00013989	1.42432610	0.83042328	-0.00030854
RelInt RSD	*2.66179184*	*1.48447701*	*3.04691869*	*110.62527950*	*0.64589822*	*2.70610971*	*25.30699452*
RelInt SD	*0.00203950*	*0.00030078*	*1.37655530*	*0.00015475*	*0.00919970*	*0.02247217*	*0.00007808*
Conc Mean	0.48922266[mg/l]	0.52661246[mg/l]	>139.80499000[mg/l]	<-0.03245396[mg/l]	>413.25908000[mg/l]	0.49924613[mg/l]	<-0.01859699[mg/l]
Conc RSD	*2.66898880*	*1.52038163*	*3.04711806*	*375.37956463*	*0.64603865*	*2.71022031*	*2.84062635*
Conc SD	*0.01305730[mg/l]*	*0.00800652[mg/l]*	*4.26002310[mg/l]*	*0.12182553[mg/l]*	*2.66981340[mg/l]*	*0.01353067[mg/l]*	*0.00052827[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	9736.44600	167762	69192.44000	18482.14300	13201.06100	10574.43800	11982.95900
Int RSD	*3.67560812*	*0.51013991*	*0.38058588*	*0.63655870*	*0.32707424*	*1.45543007*	*2.33959317*
Int SD	*357.87360000*	*855.81908000*	*263.33666000*	*117.64969000*	*43.17727000*	*153.90355000*	*280.35249000*
RelInt Mean	0.00199117	0.12259439	0.04073610	0.00011825	-0.00010815	-0.00010624	0.02470204
RelInt RSD	*33.28656006*	*2.61348329*	*2.88746608*	*69.00980707*	*42.64141102*	*187.00501286*	*2.21109079*
RelInt SD	*0.00066279*	*0.00320398*	*0.00117624*	*0.00008161*	*0.00004612*	*0.00019868*	*0.00054618*
Conc Mean	0.08180067[mg/l]	0.95113602[mg/l]	0.99842032[mg/l]	<-0.01611714[mg/l]	<-0.00511044[mg/l]	<-0.01195752[mg/l]	0.01686342[mg/l]
Conc RSD	*33.94848314*	*2.61890870*	*3.14971765*	*19.57389848*	*37.86772380*	*27.93704127*	*2.47255323*
Conc SD	*0.02777009[mg/l]*	*0.02490938[mg/l]*	*0.03144742[mg/l]*	*0.00315475[mg/l]*	*0.00193521[mg/l]*	*0.00334058[mg/l]*	*0.00041696[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	68246.49500	11066.82500	95211.98300	1307594	24347578	418612	423483
Int RSD	*0.21075897*	*0.15669215*	*1.50336329*	*2.81944453*	*0.41154340*	*1.42725798*	*0.29250400*
Int SD	*143.83561000*	*17.34084600*	*1431.38200*	*36866.87900*	*100201*	*5974.67430*	*1238.70470*
RelInt Mean	0.00025646	0.00001263	0.00327620	---	---	---	0.31347467
RelInt RSD	*2.72094380*	*768.62476911*	*2.00574199*	---	---	---	*2.63120421*
RelInt SD	*0.00000698*	*0.00009705*	*0.00006571*	---	---	---	*0.00824816*
Conc Mean	<-0.01400443[mg/l]	<-0.09415064[mg/l]	0.50624570[mg/l]	1296378	24258412	416492	0.91890914[mg/l]
Conc RSD	*0.41816457*	*6.46977266*	*2.07504696*	---	---	---	*2.64101933*
Conc SD	*0.00005856[mg/l]*	*0.00609133[mg/l]*	*0.01050484[mg/l]*	*36866.60600*	*99964.74600*	*5965.07370*	*0.02426857[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	78492.00800	7013.38460	11601.67900	10091.72600	428970	12268.21800	
Int RSD	*0.78535731*	*3.13787768*	*0.66837563*	*0.74428679*	*0.48085521*	*1.06441571*	
Int SD	*616.44272000*	*220.07143000*	*77.54279500*	*75.11138300*	*2062.72270*	*130.58484000*	
RelInt Mean	0.18762783	0.00055469	0.00204856	0.00044426	0.32347497	0.00027208	
RelInt RSD	*0.90714666*	*41.87192219*	*3.83284163*	*3.46167717*	*2.62940351*	*10.63591298*	
RelInt SD	*0.00170206*	*0.00023226*	*0.00007852*	*0.00001538*	*0.00850546*	*0.00002894*	
Conc Mean	0.50061065[mg/l]	<0.00131920[mg/l]	0.01016960[mg/l]	0.00770011[mg/l]	1.06346660[mg/l]	0.01825872[mg/l]	
Conc RSD	*0.90643625*	*155.83698485*	*10.60888057*	*4.41187532*	*2.63164212*	*7.48535453*	
Conc SD	*0.00453772[mg/l]*	*0.00205581[mg/l]*	*0.00107888[mg/l]*	*0.00033972[mg/l]*	*0.02798663[mg/l]*	*0.00136673[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 466919 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482317356048 File : met06_master Time : 08-AUG-2022 11:57
Cal : 482317356001 Caldate : 08-AUG-2022
Standards: S17024, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0360	0.0391	1.000	1.028	mg/l	3	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27010512	26852705	-0.58
Yttrium	A	1416424	1464911	3.42
Yttrium	R	460362	440989	-4.21

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S17024			Sample Type: Control Sample
Measure Date: 2022-08-08 11:57:36	Recalculation Date:	State: Check failed	Quality: Failed

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	442892	8777.52150	41725.19300	138764	497182	899928	288121
Int RSD	*0.42084778*	*1.37577481*	*0.42405045*	*0.74688071*	*0.73324277*	*0.51371246*	*0.54735516*
Int SD	*1863.90110*	*120.75893000*	*176.93587000*	*1036.40260*	*3645.55160*	*4623.04250*	*1577.04550*
RelInt Mean	0.01435641	0.00861476	0.02551615	0.09046920	0.33605710	2.04891220	0.19251119
RelInt RSD	*0.27162582*	*2.77013843*	*0.63639644*	*0.77758393*	*0.80140158*	*0.04672841*	*0.66249255*
RelInt SD	*0.00003900*	*0.00023864*	*0.00016238*	*0.00070347*	*0.00269317*	*0.00095742*	*0.00127537*
Conc Mean	0.47888081[mg/l]	1.04000660[mg/l]	1.05873790[mg/l]	1.00577530[mg/l]	0.99134901[mg/l]	102.72151000[mg/l]	1.03737930[mg/l]
Conc RSD	*0.27217862*	*3.12289085*	*0.63669196*	*0.78740241*	*0.80236986*	*0.04677475*	*0.66602985*
Conc SD	*0.00130341[mg/l]*	*0.03247827[mg/l]*	*0.00674090[mg/l]*	*0.00791950[mg/l]*	*0.00795429[mg/l]*	*0.04804773[mg/l]*	*0.00690926[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	231037	1034233	516309	58138.72700	146881	2398804	228341
Int RSD	*0.54798287*	*0.95400193*	*2.97970709*	*0.65047207*	*0.66115390*	*0.19798776*	*0.71792132*
Int SD	*1266.04220*	*9866.60660*	*15384.49200*	*378.17618000*	*971.10747000*	*4749.33770*	*1639.31030*
RelInt Mean	0.15374160	0.03671654	0.34807103	0.13163809	0.32737966	1.64228940	0.15314784
RelInt RSD	*0.67963004*	*0.82080620*	*3.13920323*	*0.53323474*	*0.19558431*	*0.07143032*	*0.75185768*
RelInt SD	*0.00104487*	*0.00030137*	*0.01092666*	*0.00070194*	*0.00064030*	*0.00117309*	*0.00115145*
Conc Mean	0.98296123[mg/l]	0.96463775[mg/l]	1.06796270[mg/l]	103.70555000[mg/l]	94.91835000[mg/l]	0.98807727[mg/l]	1.01963150[mg/l]
Conc RSD	*0.68054509*	*0.83164445*	*3.16628165*	*0.53283850*	*0.19576802*	*0.07148638*	*0.76403305*
Conc SD	*0.00668949[mg/l]*	*0.00802236[mg/l]*	*0.03381471[mg/l]*	*0.55258310[mg/l]*	*0.18581977[mg/l]*	*0.00070634[mg/l]*	*0.00779032[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	1026826	196072	65830.82000	43652.45200	38103.44600	442286	551914
Int RSD	*0.56380611*	*0.39297244*	*0.02646334*	*0.00143648*	*0.67040674*	*0.67091082*	*0.63904659*
Int SD	*5789.30890*	*770.50987000*	*17.42103600*	*0.62705981*	*255.44807000*	*2967.34670*	*3526.98640*
RelInt Mean	2.31316360	0.12885519	0.03908787	0.02588870	0.02288697	0.30106497	1.25335920
RelInt RSD	*0.09885741*	*0.55338229*	*0.34656768*	*0.30354207*	*1.07632949*	*0.71720928*	*0.17736503*
RelInt SD	*0.00228673*	*0.00071306*	*0.00013547*	*0.00007858*	*0.00024634*	*0.00215927*	*0.00222302*
Conc Mean	96.91666000[mg/l]	0.99981062[mg/l]	1.02843320[mg/l]	0.99487525[mg/l]	0.95983182[mg/l]	5.05191360[mg/l]	0.95482060[mg/l]
Conc RSD	*0.09885984*	*0.55447748*	*0.34669733*	*0.30770152*	*1.07697055*	*0.71865364*	*0.17773538*
Conc SD	*0.09581166[mg/l]*	*0.00554372[mg/l]*	*0.00356555[mg/l]*	*0.00306125[mg/l]*	*0.01033711[mg/l]*	*0.03630576[mg/l]*	*0.00169705[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3350319	28004.25800	186478	1464911	26852705	440989	508753
Int RSD	*1.58139860*	*0.35263949*	*1.20813476*	*0.23930095*	*0.18959972*	*0.45811335*	*0.17306201*
Int SD	*52981.90400*	*98.75407300*	*2252.90240*	*3505.54470*	*50912.65400*	*2020.23100*	*880.45825000*
RelInt Mean	0.12258824	0.01616966	0.00642526	---	---	---	0.34582427
RelInt RSD	*1.41870901*	*0.71426083*	*1.06067741*	---	---	---	*0.34490439*
RelInt SD	*0.00173917*	*0.00011549*	*0.00006815*	---	---	---	*0.00119276*
Conc Mean	1.01264110[mg/l]	0.91439039[mg/l]	1.00925980[mg/l]	1454534	26769331	438878	1.01386790[mg/l]
Conc RSD	*1.44134353*	*0.79346467*	*1.07979521*	---	---	---	*0.34593726*
Conc SD	*0.01459564[mg/l]*	*0.00725536[mg/l]*	*0.01089794[mg/l]*	*3458.30820*	*50867.78800*	*2044.29260*	*0.00350735[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	151540	56369.31600	570730	364480	463988	10726.54100	
Int RSD	*0.43024744*	*0.39977774*	*0.68118904*	*0.66369471*	*0.57696523*	*6.28572771*	
Int SD	*651.99748000*	*225.35198000*	*3887.74950*	*2419.03310*	*2677.05070*	*674.24116000*	
RelInt Mean	0.34419959	0.11107424	0.38676337	0.24656437	0.31323130	0.00266674	
RelInt RSD	*0.09523468*	*1.00780010*	*0.79183745*	*0.71886392*	*0.67878884*	*17.92562612*	
RelInt SD	*0.00032780*	*0.00111941*	*0.00306254*	*0.00177246*	*0.00212618*	*0.00047803*	
Conc Mean	0.91803402[mg/l]	0.97957001[mg/l]	5.29817050[mg/l]	5.44450430[mg/l]	1.02589050[mg/l]	0.13135648[mg/l]	
Conc RSD	*0.09519394*	*1.01149596*	*0.79492953*	*0.71914279*	*0.67997551*	*17.18753959*	
Conc SD	*0.00087391[mg/l]*	*0.00990831[mg/l]*	*0.04211672[mg/l]*	*0.03915376[mg/l]*	*0.00697580[mg/l]*	*0.02257695[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 466919 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482317356049 File : met06_master Time : 08-AUG-2022 12:00
Cal : 482317356001 Caldate : 08-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27010512	28686225	6.20
Yttrium	A	1416424	1551489	9.54
Yttrium	R	460362	454642	-1.24

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1				Sample Type: Control Sample			
Measure Date: 2022-08-08 12:00:54		Recalculation Date:		State: Checked		Quality:	

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	58464.55300	2413.43550	4197.22940	7422.65510	8124.72200	1433.28240	7469.93180
Int RSD	*0.58466957*	*6.18800627*	*0.44790471*	*0.50792774*	*0.52316615*	*9.93935947*	*0.42502301*
Int SD	*341.82445000*	*149.34354000*	*18.79958800*	*37.70172400*	*42.50579500*	*142.45909000*	*31.74892900*
RelInt Mean	0.00003348	0.00103724	-0.00006083	0.00049530	0.00016698	0.00253388	-0.00002621
RelInt RSD	*9.21499385*	*17.02379465*	*6.12778335*	*6.38651136*	*21.81862493*	*10.98529816*	*91.44612307*
RelInt SD	*0.00000309*	*0.00017658*	*0.00000373*	*0.00003163*	*0.00003643*	*0.00027835*	*0.00002397*
Conc Mean	<0.00014728[mg/l]	<0.00872888[mg/l]	<-0.00296574[mg/l]	<-0.00712120[mg/l]	<-0.00040253[mg/l]	<0.02982632[mg/l]	<-0.00032133[mg/l]
Conc RSD	*70.02309799*	*275.31272818*	*5.21989354*	*5.00065186*	*25.84172271*	*46.83254096*	*40.83601858*
Conc SD	*0.00010313[mg/l]*	*0.02403172[mg/l]*	*0.00015481[mg/l]*	*0.00035611[mg/l]*	*0.00010402[mg/l]*	*0.01396842[mg/l]*	*0.00013122[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6731.26590	57298.55100	20803.31000	399.05185000	2720.62900	9563.41160	5830.02100
Int RSD	*0.21840997*	*1.45973937*	*6.41402354*	*24.08298120*	*1.39703569*	*0.45692345*	*4.21895187*
Int SD	*14.70175600*	*836.40951000*	*1334.32920*	*96.10358200*	*38.00815800*	*43.69747000*	*245.96578000*
RelInt Mean	0.00006324	0.00032075	0.00740742	0.00013472	0.00020198	0.00025058	0.00038767
RelInt RSD	*11.36062959*	*11.28879845*	*11.88712309*	*104.72631474*	*77.04991795*	*10.12777372*	*41.24000235*
RelInt SD	*0.00000718*	*0.00003621*	*0.00088053*	*0.00014109*	*0.00015562*	*0.00002538*	*0.00015988*
Conc Mean	<-0.00091787[mg/l]	<-0.00419867[mg/l]	0.01371115[mg/l]	<0.18372620[mg/l]	<-0.03066127[mg/l]	<-0.00060754[mg/l]	<-0.01388668[mg/l]
Conc RSD	*5.01095531*	*22.95618816*	*19.87413383*	*60.45309814*	*147.29608567*	*2.51506465*	*7.78922944*
Conc SD	*0.00004599[mg/l]*	*0.00096385[mg/l]*	*0.00272497[mg/l]*	*0.11106818[mg/l]*	*0.04516285[mg/l]*	*0.00001528[mg/l]*	*0.00108167[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	10781.95600	8246.62070	8449.77760	5792.66820	4636.03890	4636.58550	1657.05910
Int RSD	*1.93007855*	*0.45818227*	*0.91816408*	*0.17215122*	*0.96110240*	*4.07583663*	*12.40473318*
Int SD	*208.10022000*	*37.78455400*	*77.58282300*	*9.97214870*	*44.55708100*	*188.97965000*	*205.55376000*
RelInt Mean	0.00191047	0.00015354	-0.00007658	0.00006964	0.00000831	0.00036129	-0.00013236
RelInt RSD	*9.93852712*	*20.49784720*	*41.74623172*	*7.82573678*	*316.73320334*	*37.62646246*	*253.10183485*
RelInt SD	*0.00018987*	*0.00003147*	*0.00003197*	*0.00000545*	*0.00002631*	*0.00013594*	*0.00033501*
Conc Mean	0.07841927[mg/l]	<-0.00078060[mg/l]	<-0.00106425[mg/l]	<-0.01515436[mg/l]	<-0.00022354[mg/l]	<-0.00409645[mg/l]	<-0.00209517[mg/l]
Conc RSD	*10.14468535*	*31.34628284*	*78.87910507*	*1.41425159*	*493.87089738*	*55.79694644*	*12.20666202*
Conc SD	*0.00795539[mg/l]*	*0.00024469[mg/l]*	*0.00083947[mg/l]*	*0.00021432[mg/l]*	*0.00110402[mg/l]*	*0.00228570[mg/l]*	*0.00025575[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	73795.83200	4105.25070	15926.73900	1551489	28686225	454642	5799.85610
Int RSD	*4.92495620*	*1.47742436*	*0.81272161*	*0.51220680*	*0.24648482*	*0.91286242*	*0.18485410*
Int SD	*3634.41240*	*60.65197400*	*129.44005000*	*7946.83260*	*70707.19000*	*4150.25220*	*10.72127200*
RelInt Mean	0.00038261	-0.00002170	0.00008497	---	---	---	0.00031482
RelInt RSD	*35.38613351*	*127.31436125*	*5.05346206*	---	---	---	*3.78701334*
RelInt SD	*0.00013539*	*0.00002763*	*0.00000429*	---	---	---	*0.00001192*
Conc Mean	<-0.01294573[mg/l]	<-0.09632007[mg/l]	<-0.00391700[mg/l]	1541363	28605099	452526	<-0.00250301[mg/l]
Conc RSD	*8.77689564*	*1.79425328*	*17.51575650*	---	---	---	*1.40197929*
Conc SD	*0.00113623[mg/l]*	*0.00172823[mg/l]*	*0.00068609[mg/l]*	*7962.02410*	*70913.56000*	*4111.02900*	*0.00003509[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	151.18857000	8026.97000	9260.22340	5446.48520	7703.44870	7667.20450	
Int RSD	*23.45923042*	*1.38793841*	*0.46991311*	*1.41310513*	*0.30266291*	*1.53626097*	
Int SD	*35.46767500*	*111.40940000*	*43.51500400*	*76.96456200*	*23.31548200*	*117.78827000*	
RelInt Mean	-0.00036493	0.00106381	0.00142969	0.00014059	0.00011990	0.00074163	
RelInt RSD	*18.99556609*	*16.30303476*	*2.87922999*	*31.77494741*	*17.77015678*	*12.84362008*	
RelInt SD	*0.00006932*	*0.00017343*	*0.00004116*	*0.00004467*	*0.00002131*	*0.00009525*	
Conc Mean	<-0.00058170[mg/l]	0.00582564[mg/l]	<0.00151943[mg/l]	<0.00099205[mg/l]	<-0.00056142[mg/l]	0.04043502[mg/l]	
Conc RSD	*31.77040025*	*26.35116622*	*36.76844503*	*99.47300308*	*12.48657329*	*11.12565895*	
Conc SD	*0.00018481[mg/l]*	*0.00153512[mg/l]*	*0.00055867[mg/l]*	*0.00098682[mg/l]*	*0.00007010[mg/l]*	*0.00449866[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 466919 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482317356060 File : met06_master Time : 08-AUG-2022 12:37
Cal : 482317356001 Caldate : 08-AUG-2022
Standards: S17024, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0360	0.0397	1.000	1.044	mg/l	4	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27010512	26615714	-1.46
Yttrium	A	1416424	1490844	5.25
Yttrium	R	460362	438909	-4.66

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S17024			Sample Type: Control Sample
Measure Date: 2022-08-08 12:37:41	Recalculation Date:	State: Check failed	Quality: Failed

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	450430	8872.30820	42310.04400	141571	509527	889856	296606
Int RSD	*1.07627142*	*1.26709710*	*0.27105512*	*0.37924976*	*0.29694868*	*0.84394350*	*0.15227420*
Int SD	*4847.84880*	*112.42076000*	*114.68354000*	*536.90915000*	*1513.03420*	*7509.88510*	*451.65425000*
RelInt Mean	0.01470816	0.00871913	0.02538327	0.09063760	0.33841096	2.03583880	0.19473461
RelInt RSD	*3.41644969*	*2.97808077*	*0.74058634*	*0.59244713*	*0.68381163*	*0.53387523*	*0.51338599*
RelInt SD	*0.00050250*	*0.00025966*	*0.00018799*	*0.00053698*	*0.00231409*	*0.01086884*	*0.00099974*
Conc Mean	0.49063777[mg/l]	1.05421090[mg/l]	1.05321260[mg/l]	1.00767110[mg/l]	0.99831373[mg/l]	102.06545000[mg/l]	1.04933500[mg/l]
Conc RSD	*3.42321770*	*3.35220818*	*0.74104360*	*0.59990941*	*0.68540965*	*0.53438252*	*0.50735999*
Conc SD	*0.01679560[mg/l]*	*0.03533934[mg/l]*	*0.00780476[mg/l]*	*0.00604511[mg/l]*	*0.00684254[mg/l]*	*0.54541992[mg/l]*	*0.00532391[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	236489	1040891	498389	57266.61500	145337	2419728	233163
Int RSD	*0.09723176*	*1.54428546*	*0.15175050*	*1.20899533*	*1.67154706*	*0.65772742*	*0.25824819*
Int SD	*229.94238000*	*16074.33300*	*756.30739000*	*692.35070000*	*2429.38120*	*15915.21400*	*602.14032000*
RelInt Mean	0.15458531	0.03726506	0.32968593	0.13032826	0.32527477	1.62776820	0.15362512
RelInt RSD	*0.68118329*	*3.90180672*	*0.51001233*	*1.88750613*	*0.40497082*	*0.12289506*	*0.43392455*
RelInt SD	*0.00105301*	*0.00145401*	*0.00168144*	*0.00245995*	*0.00131727*	*0.00200045*	*0.00066662*
Conc Mean	0.98836285[mg/l]	0.97923903[mg/l]	1.01106630[mg/l]	102.67442000[mg/l]	94.30749800[mg/l]	0.97933393[mg/l]	1.02286060[mg/l]
Conc RSD	*0.68209271*	*3.95255824*	*0.51465709*	*1.88608000*	*0.40535421*	*0.12299120*	*0.44092670*
Conc SD	*0.00674155[mg/l]*	*0.03870499[mg/l]*	*0.00520352[mg/l]*	*1.93652170[mg/l]*	*0.38227941[mg/l]*	*0.00120449[mg/l]*	*0.00451007[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	1009941	202801	68057.85400	44985.14200	39047.72000	453032	544418
Int RSD	*1.31895662*	*0.01919128*	*0.01601904*	*0.40066649*	*0.39551828*	*0.09118990*	*1.45541163*
Int SD	*13320.68100*	*38.92011100*	*10.90221400*	*180.24039000*	*154.44087000*	*413.11934000*	*7923.52580*
RelInt Mean	2.28556480	0.13103121	0.03969805	0.02619619	0.02302264	0.30302706	1.24208020
RelInt RSD	*0.05011781*	*0.65911234*	*0.61945178*	*0.64848472*	*0.74976610*	*0.61093966*	*0.20881358*
RelInt SD	*0.00114548*	*0.00086364*	*0.00024591*	*0.00016988*	*0.00017262*	*0.00185131*	*0.00259363*
Conc Mean	95.76031000[mg/l]	1.01672800[mg/l]	1.04447310[mg/l]	1.00694110[mg/l]	0.96552459[mg/l]	5.08490400[mg/l]	0.94621015[mg/l]
Conc RSD	*0.05011920*	*0.66039151*	*0.61876558*	*0.66109256*	*0.75021061*	*0.61216129*	*0.20925322*
Conc SD	*0.04799430[mg/l]*	*0.00671439[mg/l]*	*0.00646284[mg/l]*	*0.00665681[mg/l]*	*0.00724347[mg/l]*	*0.03112781[mg/l]*	*0.00197998[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3409130	28432.93100	189613	1490844	26615714	438909	527747
Int RSD	*2.32809204*	*0.13907293*	*1.58638099*	*0.66044922*	*2.50605563*	*1.36762825*	*0.29910968*
Int SD	*79367.68400*	*39.54250900*	*3007.99110*	*9846.26490*	*667005*	*6002.63840*	*1578.54260*
RelInt Mean	0.12592447	0.01609638	0.00658699	---	---	---	0.35256639
RelInt RSD	*4.63555590*	*0.69273220*	*3.89312903*	---	---	---	*0.79279659*
RelInt SD	*0.00583730*	*0.00011150*	*0.00025644*	---	---	---	*0.00279513*
Conc Mean	1.04063970[mg/l]	0.90971253[mg/l]	1.03511340[mg/l]	1480148	26531063	436785	1.03370780[mg/l]
Conc RSD	*4.70752586*	*0.75719146*	*3.96032541*	---	---	---	*0.79552452*
Conc SD	*0.04898838[mg/l]*	*0.00688827[mg/l]*	*0.04099386[mg/l]*	*9867.39440*	*667005*	*6027.51860*	*0.00822340[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	147383	55609.03600	586362	376712	475119	7366.52750	
Int RSD	*1.11403174*	*1.02417116*	*0.29900715*	*0.22413324*	*0.20439792*	*0.35782633*	
Int SD	*1641.89630*	*569.53171000*	*1753.26550*	*844.33664000*	*971.13276000*	*26.35937500*	
RelInt Mean	0.33633197	0.10984182	0.39061125	0.25050424	0.31512741	0.00024670	
RelInt RSD	*0.48568609*	*1.42065718*	*0.53320738*	*0.43820967*	*0.53713541*	*14.10593101*	
RelInt SD	*0.00163352*	*0.00156048*	*0.00208277*	*0.00109773*	*0.00169266*	*0.00003480*	
Conc Mean	0.89705880[mg/l]	0.96866136[mg/l]	5.35122170[mg/l]	5.53153620[mg/l]	1.03214990[mg/l]	0.01705995[mg/l]	
Conc RSD	*0.48547500*	*1.42592743*	*0.53551227*	*0.43837593*	*0.53757223*	*9.63387292*	
Conc SD	*0.00435500[mg/l]*	*0.01381241[mg/l]*	*0.02865645[mg/l]*	*0.02424892[mg/l]*	*0.00554855[mg/l]*	*0.00164353[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 466919 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482317356061 File : met06_master Time : 08-AUG-2022 12:40
Cal : 482317356001 Caldate : 08-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27010512	28595899	5.87
Yttrium	A	1416424	1585149	11.91
Yttrium	R	460362	462672	0.50

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2022-08-08 12:40:58	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	60783.89100	2455.02530	4220.10530	7527.86920	8262.22040	1624.65450	7641.54590
Int RSD	*0.51882310*	*6.82028654*	*1.13449418*	*0.77918542*	*0.40735707*	*11.20484878*	*0.81408017*
Int SD	*315.36087000*	*167.43976000*	*47.87684900*	*58.65605900*	*33.65673900*	*182.04008000*	*62.20831000*
RelInt Mean	0.00004241	0.00102527	-0.00007001	0.00047681	0.00016757	0.00278232	0.00000655
RelInt RSD	*14.84685422*	*25.38748885*	*43.11100393*	*5.61606930*	*10.97373988*	*14.50550664*	*340.06985695*
RelInt SD	*0.00000630*	*0.00026029*	*0.00003018*	*0.00002678*	*0.00001839*	*0.00040359*	*0.00002226*
Conc Mean	<0.00044566[mg/l]	<0.00709953[mg/l]	<-0.00334701[mg/l]	<-0.00732939[mg/l]	<-0.00040303[mg/l]	<0.04229362[mg/l]	<-0.00014501[mg/l]
Conc RSD	*47.22363499*	*498.97301595*	*37.45916766*	*4.11296382*	*12.76395714*	*47.88668342*	*83.79572537*
Conc SD	*0.00021046[mg/l]*	*0.03542472[mg/l]*	*0.00125376[mg/l]*	*0.00030146[mg/l]*	*0.00005144[mg/l]*	*0.02025301[mg/l]*	*0.00012151[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6826.98430	59389.35300	12941.58000	415.82991000	2721.63720	9661.98710	6039.34760
Int RSD	*0.54521397*	*2.41005437*	*3.02557246*	*22.66678147*	*7.15046848*	*0.51121313*	*5.32775179*
Int SD	*37.22167200*	*1431.31570*	*391.55688000*	*94.25525700*	*194.60981000*	*49.39334700*	*321.76145000*
RelInt Mean	0.00004602	0.00033134	0.00217077	0.00017322	0.00014363	0.00022676	0.00047775
RelInt RSD	*29.97274551*	*11.44937343*	*12.49032543*	*117.76378352*	*223.26892571*	*20.83967162*	*43.17866139*
RelInt SD	*0.00001379*	*0.00003794*	*0.00027114*	*0.00020399*	*0.00032068*	*0.00004726*	*0.00020629*
Conc Mean	<-0.00102813[mg/l]	<-0.00391662[mg/l]	<-0.00249470[mg/l]	<0.21403011[mg/l]	<-0.04759370[mg/l]	<-0.00062188[mg/l]	<-0.01327726[mg/l]
Conc RSD	*8.58835361*	*25.78387702*	*33.63464257*	*75.02785473*	*195.53922473*	*4.57531191*	*10.51163362*
Conc SD	*0.00008830[mg/l]*	*0.00100986[mg/l]*	*0.00083908[mg/l]*	*0.16058220[mg/l]*	*0.09306435[mg/l]*	*0.00002845[mg/l]*	*0.00139566[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	11077.58800	8310.47590	8641.35270	5928.94520	4692.23050	4768.65830	1744.84960
Int RSD	*1.16281279*	*0.82472969*	*0.78888814*	*0.88069579*	*0.87729339*	*4.53319144*	*2.90492183*
Int SD	*128.81161000*	*68.53896200*	*68.17060700*	*52.21597100*	*41.16462800*	*216.17241000*	*50.68651700*
RelInt Mean	0.00234057	0.00010297	-0.00006461	0.00009171	0.00001056	0.00038979	-0.00012810
RelInt RSD	*10.28894761*	*45.20240025*	*47.51532996*	*39.01163761*	*176.13021966*	*37.52114889*	*182.64610742*
RelInt SD	*0.00024082*	*0.00004655*	*0.00003070*	*0.00003578*	*0.00001859*	*0.00014625*	*0.00023396*
Conc Mean	0.09643990[mg/l]	<-0.00117376[mg/l]	<-0.00074924[mg/l]	<-0.01428545[mg/l]	<-0.00012915[mg/l]	<-0.00361726[mg/l]	<-0.00209191[mg/l]
Conc RSD	*10.46249126*	*30.83074755*	*107.87750798*	*9.85082168*	*604.08710939*	*67.98238224*	*8.53799821*
Conc SD	*0.01009002[mg/l]*	*0.00036188[mg/l]*	*0.00080826[mg/l]*	*0.00140723[mg/l]*	*0.00078019[mg/l]*	*0.00245910[mg/l]*	*0.00017861[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	77033.83800	4192.22760	16474.09800	1585149	28595899	462672	5885.45000
Int RSD	*6.32440526*	*1.65982028*	*2.00967610*	*0.33433214*	*0.40995739*	*1.50773054*	*0.84679527*
Int SD	*4871.93210*	*69.58344400*	*331.07601000*	*5299.66290*	*117231*	*6975.84840*	*49.83771200*
RelInt Mean	0.00041725	0.00001135	0.00008566	---	---	---	0.00029634
RelInt RSD	*38.82064983*	*564.12164409*	*7.14773463*	---	---	---	*11.07856644*
RelInt SD	*0.00016198*	*0.00006404*	*0.00000612*	---	---	---	*0.00003283*
Conc Mean	<-0.01265496[mg/l]	<-0.09424817[mg/l]	<-0.00380821[mg/l]	1574825	28512814	460519	<-0.00255736[mg/l]
Conc RSD	*10.74197937*	*4.25620867*	*25.68951665*	---	---	---	*3.77649132*
Conc SD	*0.00135939[mg/l]*	*0.00401140[mg/l]*	*0.00097831[mg/l]*	*5285.70640*	*117149*	*6953.36910*	*0.00009658[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	229.04111000	8236.20080	9538.35950	5529.40870	7821.07730	6658.10110	
Int RSD	*42.17141237*	*3.54804014*	*0.54503389*	*2.54452289*	*0.49073004*	*0.68247534*	
Int SD	*96.58987100*	*292.22371000*	*51.98729200*	*140.69707000*	*38.38037600*	*45.43989800*	
RelInt Mean	-0.00027183	0.00130440	0.00150383	0.00014601	0.00011624	0.00004358	
RelInt RSD	*38.37237838*	*32.27494943*	*1.84865925*	*55.30626602*	*11.29800114*	*76.60030320*	
RelInt SD	*0.00010431*	*0.00042099*	*0.00002780*	*0.00008075*	*0.00001313*	*0.00003338*	
Conc Mean	<-0.00033350[mg/l]	0.00795521[mg/l]	0.00252929[mg/l]	<0.00111173[mg/l]	<-0.00057207[mg/l]	0.00746664[mg/l]	
Conc RSD	*83.38390973*	*46.84208847*	*14.21653910*	*160.45369539*	*7.94674040*	*21.11366203*	
Conc SD	*0.00027809[mg/l]*	*0.00372639[mg/l]*	*0.00035958[mg/l]*	*0.00178382[mg/l]*	*0.00004546[mg/l]*	*0.00157648[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 466919 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482317356072 File : met06_master Time : 08-AUG-2022 13:17
Cal : 482317356001 Caldate : 08-AUG-2022
Standards: S17024, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0360	0.0397	1.000	1.044	mg/l	4	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27010512	27088726	0.29
Yttrium	A	1416424	1504077	6.19
Yttrium	R	460362	436420	-5.20

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S17024			Sample Type: Control Sample
Measure Date: 2022-08-08 13:17:26	Recalculation Date:	State: Check failed	Quality: Failed

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	450686	8612.40980	42930.40800	142619	512809	885382	299249
Int RSD	*0.83543032*	*1.15120814*	*0.62879342*	*0.27284959*	*0.49308800*	*0.61479133*	*0.45209794*
Int SD	*3765.16580*	*99.14676300*	*269.94358000*	*389.13599000*	*2528.60080*	*5443.24940*	*1352.89830*
RelInt Mean	0.01441259	0.00831608	0.02553664	0.09049158	0.33756240	2.03709710	0.19472643
RelInt RSD	*0.48522922*	*2.37101722*	*0.34578703*	*0.80942398*	*0.82938932*	*0.24899131*	*0.87685231*
RelInt SD	*0.00006993*	*0.00019718*	*0.00008830*	*0.00073246*	*0.00279971*	*0.00507219*	*0.00170746*
Conc Mean	0.48075883[mg/l]	0.99935670[mg/l]	1.05958530[mg/l]	1.00602730[mg/l]	0.99581608[mg/l]	102.12860000[mg/l]	1.04933750[mg/l]
Conc RSD	*0.48621071*	*2.68522721*	*0.34642582*	*0.81964188*	*0.83059382*	*0.24922923*	*0.87922255*
Conc SD	*0.00233750[mg/l]*	*0.02683500[mg/l]*	*0.00367068[mg/l]*	*0.00824582[mg/l]*	*0.00827119[mg/l]*	*0.25453432[mg/l]*	*0.00922601[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	238344	1032676	496335	56602.45600	144157	2429537	234183
Int RSD	*0.49635433*	*1.59705945*	*0.28641537*	*0.72606802*	*0.70103613*	*0.34193241*	*0.37483498*
Int SD	*1183.03130*	*16492.44800*	*1421.58060*	*410.97233000*	*1010.58950*	*8307.37570*	*877.79880000*
RelInt Mean	0.15444527	0.03624290	0.32529256	0.12945333	0.32457812	1.62004180	0.15292409
RelInt RSD	*0.84467851*	*1.16160599*	*0.69320470*	*0.54906911*	*0.27078942*	*0.47398286*	*0.70878342*
RelInt SD	*0.00130457*	*0.00042100*	*0.00225494*	*0.00071079*	*0.00087892*	*0.00767872*	*0.00108390*
Conc Mean	0.98746630[mg/l]	0.95202979[mg/l]	0.99747013[mg/l]	101.98566000[mg/l]	94.10532600[mg/l]	0.97468180[mg/l]	1.01811770[mg/l]
Conc RSD	*0.84581179*	*1.17714583*	*0.69960453*	*0.54865318*	*0.27104678*	*0.47435314*	*0.72027747*
Conc SD	*0.00835211[mg/l]*	*0.01120678[mg/l]*	*0.00697835[mg/l]*	*0.55954757[mg/l]*	*0.25506946[mg/l]*	*0.00462343[mg/l]*	*0.00733327[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	998965	204186	68643.20600	45180.35800	39193.73400	457803	539345
Int RSD	*0.94689597*	*0.23879044*	*0.74702914*	*0.55727115*	*0.45139795*	*0.35566417*	*0.85316325*
Int SD	*9459.15500*	*487.57682000*	*512.78475000*	*251.77710000*	*176.91971000*	*1628.24240*	*4601.49480*
RelInt Mean	2.27334750	0.13067962	0.03966142	0.02603440	0.02286273	0.30354050	1.23767640
RelInt RSD	*0.20012544*	*0.84898885*	*0.30237709*	*0.18164773*	*0.27498081*	*0.77509271*	*0.09849095*
RelInt SD	*0.00454955*	*0.00110946*	*0.00011993*	*0.00004729*	*0.00006287*	*0.00235272*	*0.00121900*
Conc Mean	95.24842000[mg/l]	1.01399470[mg/l]	1.04352090[mg/l]	1.00058100[mg/l]	0.95881427[mg/l]	5.09353700[mg/l]	0.94284832[mg/l]
Conc RSD	*0.20012737*	*0.85064155*	*0.30233818*	*0.18383612*	*0.27514596*	*0.77663936*	*0.09869939*
Conc SD	*0.19061816[mg/l]*	*0.00862546[mg/l]*	*0.00315496[mg/l]*	*0.00183943[mg/l]*	*0.00263814[mg/l]*	*0.03955841[mg/l]*	*0.00093059[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3384904	28770.72800	190029	1504077	27088726	436420	535279
Int RSD	*1.33259653*	*0.58187193*	*1.98698923*	*0.79510062*	*0.65067755*	*0.84890476*	*0.43715657*
Int SD	*45107.10800*	*167.40879000*	*3775.86550*	*11958.92800*	*176260*	*3704.79430*	*2340.00620*
RelInt Mean	0.12268397	0.01614156	0.00647522	---	---	---	0.35446509
RelInt RSD	*0.74760068*	*0.15069788*	*1.63089213*	---	---	---	*0.95993806*
RelInt SD	*0.00091719*	*0.00002432*	*0.00010560*	---	---	---	*0.00340265*
Conc Mean	1.01344450[mg/l]	0.91262927[mg/l]	1.01724600[mg/l]	1493202	27002416	434275	1.03929630[mg/l]
Conc RSD	*0.75952024*	*0.16909322*	*1.65981474*	---	---	---	*0.96316383*
Conc SD	*0.00769732[mg/l]*	*0.00154319[mg/l]*	*0.01688440[mg/l]*	*12023.85200*	*176032*	*3680.05190*	*0.01001013[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	145961	54571.75600	592708	379110	476973	9248.92250	
Int RSD	*0.68685091*	*0.37595461*	*0.20981248*	*0.29609282*	*0.30361719*	*4.14000085*	
Int SD	*1002.53130*	*205.16503000*	*1243.57600*	*1122.51700*	*1448.17310*	*382.90547000*	
RelInt Mean	0.33510533	0.10810868	0.39135509	0.24985778	0.31354886	0.00145380	
RelInt RSD	*0.19976574*	*0.40269902*	*0.84405421*	*0.83907073*	*0.87177073*	*18.58483833*	
RelInt SD	*0.00066943*	*0.00043535*	*0.00330325*	*0.00209648*	*0.00273343*	*0.00027019*	
Conc Mean	0.89378855[mg/l]	0.95332068[mg/l]	5.36159770[mg/l]	5.51725580[mg/l]	1.02693240[mg/l]	0.07407040[mg/l]	
Conc RSD	*0.19967962*	*0.40421530*	*0.84762122*	*0.83939358*	*0.87593754*	*17.22778372*	
Conc SD	*0.00178471[mg/l]*	*0.00385347[mg/l]*	*0.04544604[mg/l]*	*0.04631149[mg/l]*	*0.00899529[mg/l]*	*0.01276069[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 466919 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482317356073 File : met06_master Time : 08-AUG-2022 13:20
Cal : 482317356001 Caldate : 08-AUG-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27010512	29121941	7.82
Yttrium	A	1416424	1593685	12.51
Yttrium	R	460362	458599	-0.38

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2022-08-08 13:20:44	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	60970.46100	2332.51230	4349.66630	7645.00500	8341.11330	1505.79700	7802.20950
Int RSD	*0.71756902*	*0.57511701*	*0.73021551*	*0.18764588*	*0.51680818*	*4.21149112*	*0.11290107*
Int SD	*437.50514000*	*13.41467500*	*31.76193800*	*14.34553700*	*43.10755600*	*63.41650700*	*8.80877800*
RelInt Mean	0.00002869	0.00080607	-0.00003860	0.00046716	0.00012090	0.00260386	-0.00000087
RelInt RSD	*15.56991712*	*6.28935061*	*49.69805580*	*2.90829698*	*23.86387878*	*2.29110125*	*1456.45340*
RelInt SD	*0.00000447*	*0.00005070*	*0.00001918*	*0.00001359*	*0.00002885*	*0.00005966*	*0.00001262*
Conc Mean	<-0.00001298[mg/l]	<-0.02273243[mg/l]	<-0.00204248[mg/l]	<-0.00743797[mg/l]	<-0.00054210[mg/l]	0.03333805[mg/l]	<-0.00018550[mg/l]
Conc RSD	*1150.15938*	*30.35170459*	*39.02268974*	*2.05636353*	*16.56427961*	*8.97989462*	*37.69693918*
Conc SD	*0.00014930[mg/l]*	*0.00689968[mg/l]*	*0.00079703[mg/l]*	*0.00015295[mg/l]*	*0.00008979[mg/l]*	*0.00299372[mg/l]*	*0.00006993[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6965.09770	59758.09500	11668.96300	386.09759000	2693.36720	9870.44370	6186.17890
Int RSD	*0.30851854*	*1.62528362*	*1.47424985*	*11.57293082*	*2.59531240*	*0.53891775*	*5.36036615*
Int SD	*21.48861800*	*971.23853000*	*172.02967000*	*44.68280700*	*69.90129300*	*53.19357300*	*331.60184000*
RelInt Mean	0.00007374	0.00032615	0.00123098	0.00008457	0.00009036	0.00025497	0.00050796
RelInt RSD	*10.57898453*	*8.85344109*	*7.51228181*	*126.33729252*	*223.27098737*	*9.34553274*	*46.18976763*
RelInt SD	*0.00000780*	*0.00002888*	*0.00009247*	*0.00010684*	*0.00020174*	*0.00002383*	*0.00023463*
Conc Mean	<-0.00085062[mg/l]	<-0.00405476[mg/l]	<-0.00540307[mg/l]	<0.14424530[mg/l]	<-0.06305365[mg/l]	<-0.00060490[mg/l]	<-0.01307287[mg/l]
Conc RSD	*5.87140470*	*18.95698485*	*5.29663587*	*58.30952551*	*92.85366509*	*2.37188594*	*12.14263345*
Conc SD	*0.00004994[mg/l]*	*0.00076866[mg/l]*	*0.00028618[mg/l]*	*0.08410875[mg/l]*	*0.05854762[mg/l]*	*0.00001435[mg/l]*	*0.00158739[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	11252.22500	8471.31460	8768.66470	6012.25100	4819.63830	4830.54250	1860.39710
Int RSD	*0.98475102*	*0.39661265*	*0.54625932*	*0.41615165*	*0.31206072*	*4.67970482*	*4.59449480*
Int SD	*110.80640000*	*33.59830500*	*47.89964800*	*25.02008200*	*15.04019800*	*226.05513000*	*85.47584800*
RelInt Mean	0.00259102	0.00010243	-0.00005732	0.00008604	0.00003883	0.00039172	0.00019067
RelInt RSD	*13.24333645*	*20.42416725*	*44.38840617*	*27.16666807*	*47.48519456*	*36.16153348*	*98.53809240*
RelInt SD	*0.00034314*	*0.00002092*	*0.00002545*	*0.00002337*	*0.00001844*	*0.00014165*	*0.00018789*
Conc Mean	0.10693355[mg/l]	<-0.00117802[mg/l]	<-0.00055175[mg/l]	<-0.01450968[mg/l]	<0.00105737[mg/l]	<-0.00358472[mg/l]	<-0.00184856[mg/l]
Conc RSD	*13.44478978*	*13.80608185*	*121.37996772*	*6.33629997*	*73.17795496*	*66.44179398*	*7.75909898*
Conc SD	*0.01437699[mg/l]*	*0.00016264[mg/l]*	*0.00066971[mg/l]*	*0.00091938[mg/l]*	*0.00077376[mg/l]*	*0.00238176[mg/l]*	*0.00014343[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	78742.10000	4265.25200	16663.17800	1593685	29121941	458599	5954.09410
Int RSD	*6.36877731*	*2.01854720*	*1.09931515*	*0.48843819*	*0.36636878*	*0.64282947*	*0.69404079*
Int SD	*5014.90900*	*86.09612500*	*183.18084000*	*7784.16420*	*106694*	*2948.00700*	*41.32384200*
RelInt Mean	0.00045045	-0.00000367	0.00009160	---	---	---	0.00029092
RelInt RSD	*37.21523360*	*1247.85213*	*11.35430490*	---	---	---	*8.30254942*
RelInt SD	*0.00016764*	*0.00004578*	*0.00001040*	---	---	---	*0.00002415*
Conc Mean	<-0.01237638[mg/l]	<-0.09519198[mg/l]	<-0.00285880[mg/l]	1583243	29038526	456424	<-0.00257339[mg/l]
Conc RSD	*11.36724030*	*3.01011843*	*58.13656006*	---	---	---	*2.76244968*
Conc SD	*0.00140685[mg/l]*	*0.00286539[mg/l]*	*0.00166201[mg/l]*	*7794.44590*	*106759*	*2961.26700*	*0.00007109[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	199.90559000	8249.35880	9815.21490	5629.55710	7978.62260	7522.11520	
Int RSD	*71.20566263*	*1.04850772*	*1.16847365*	*0.75405136*	*0.41438497*	*0.65042742*	
Int SD	*142.34410000*	*86.49516400*	*114.68820000*	*42.44975200*	*33.06221300*	*48.92590000*	
RelInt Mean	-0.00032579	0.00114735	0.00158598	0.00017547	0.00012135	0.00053752	
RelInt RSD	*94.54531296*	*11.64253205*	*4.86528871*	*16.88617814*	*47.66223044*	*5.90366095*	
RelInt SD	*0.00030801*	*0.00013358*	*0.00007716*	*0.00002963*	*0.00005784*	*0.00003173*	
Conc Mean	<-0.00047735[mg/l]	0.00656508[mg/l]	0.00365886[mg/l]	0.00176249[mg/l]	<-0.00056001[mg/l]	0.03079516[mg/l]	
Conc RSD	*172.02897813*	*18.01001462*	*28.22335127*	*37.13641924*	*33.53830809*	*4.86679581*	
Conc SD	*0.00082117[mg/l]*	*0.00118237[mg/l]*	*0.00103265[mg/l]*	*0.00065452[mg/l]*	*0.00018782[mg/l]*	*0.00149874[mg/l]*	

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Orange, CA 92868
(714) 771-6900

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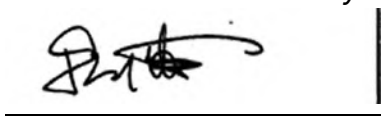
Lab Job Number: 466921
Report Level: II
Report Date: 01/05/2023

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	466921
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	08/05/22

Sample ID	Lab ID	Collected	Matrix
DOOR-N-0.7GW-PS-19-220805-P-G	466921-001	08/05/22 10:45	Wipe
DOOR-N-0.7GW-PS-19-220805-L-G	466921-002	08/05/22 10:45	Wipe
DOOR-N-0.6GE-DG-5 TO 19-220805-P-LA	466921-003	08/05/22 11:23	Wipe
DOOR-N-0.6GE-DG-5 TO 19-220805-L-LA	466921-004	08/05/22 11:23	Wipe
DOOR-N-0.7GE-PS-19-220805-P-G	466921-005	08/05/22 11:07	Wipe
DOOR-N-0.7GE-PS-19-220805-L-G	466921-006	08/05/22 11:07	Wipe
220805-P-MEDBLANK	466921-007	08/05/22 09:18	Wipe
220805-L-MEDBLANK	466921-008	08/05/22 09:18	Wipe

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 466921 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 08/05/22

This data package contains sample and QC results for eight wipe samples, requested for the above referenced project on 08/08/22. The samples were received cold and intact. Reissued 1/5/23 to revise the preparation method reference.

PCBs (EPA 8082):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

466921

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

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Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	DOOR-N-0.7GW-PS-19-220805-P-G	8/5/2022	1045	WP	1		X			**Confirmation Wipe Samples - Level II Report/Stage 2A Validation** Report PCB concentrations on a µg/100cm² basis Report lead concentrations on a µg/ft² basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 1 Enclosure B (low occupancy)
2	DOOR-N-0.7GW-PS-19-220805-L-G	8/5/2022	1045	WP	1			X		6x Rivet Type 2 = 0.060 ft²
3	DOOR-N-0.6GE-DG-5 TO 19-220805-P-LA	8/5/2022	1123	WP	1		X			
4	DOOR-N-0.6GE-DG-5 TO 19-220805-L-LA	8/5/2022	1123	WP	1			X		2x Rivet Type 1 = 0.0276 ft²
5	DOOR-N-0.7GE-PS-19-220805-P-G	8/5/2022	1107	WP	1		X			
6	DOOR-N-0.7GE-PS-19-220805-L-G	8/5/2022	1107	WP	1			X		6x Rivet Type 2 = 0.060 ft²
7	220805-P-MEDBLANK	8/5/2022	0918	WP	1		X			Collected from Low Occupancy zone of Hanagar
8	220805-L-MEDBLANK	8/5/2022	0918	WP	1			X		Collected from Low Occupancy zone of Hanagar
9										
10										
11										
12										
13										
14										
15										

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michaela Kim	Rincon/Env Scientist	8/5/22 @ 1500
1 Received By:		Miguel Gamboa	EA	8/5/22 1500
2 Relinquished By:		Lisa Fong	EA	8/5/22 1600
2 Received By:		Geene Sy/Fedex	E.A.	8/6/22 08:00
3 Relinquished By:				
3 Received By:				

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 46692 Client: Rincon

Date Received: 8/5/22 Project:

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Section 2: Shipping info (if applicable) _____

Are custody seals present? ☒ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☒ Yes, how many? 1 ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☒ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 8/5/22 By (print) Nate (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☒ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☒ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☒ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: _____, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer?			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?		✓	
Was sufficient amount of sample sent for tests requested?			
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (If N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: Two samples were labeled the same

Date Logged in 8/5/22 **By (print)** VEF for MY **(sign)** _____

Date Labeled 8/5/22 **By (print)** VEF **(sign)** _____

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 NTCRA

Date Received: 8/6/22 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.7 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☑ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.4 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✔
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: [signature] Date: 8/6/22

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www.enthalpy.com/socal

#1 5.7/0.4

STD PPD

05AUG22 06:55P

** LABEL **

GLI 3090321289

Schd: GLI 6747

Pcs: 6 of 8

LOS ANGELES, CA

From: Enthalpy Analytical - Orange
000-000-0000

RECV: ENTHALPY ANALYTICAL
931 W. BARKLEY AVE

ORANGE, CA 92868
Phone: 925-487-8029

Manual Wght:
275.3

Tariff Wght:
278.0

PO/Ref #:

Standard
Agency Phone: (213)629-8420

WWW.SHIPGREYHOUND.COM

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466921 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.7GW-PS-19-220805-P-G **Batch#:** 294557 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/05/22 **Analysis:** EPA 8082

Lab ID: 466921-001 **Received:** 08/05/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/08/22

Dil n Fac: 1.000 **Analyzed:** 08/10/22

466921-001 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466921-001 Surrogate	%REC	Limits
TCMX (PCB)	91	52-186
Decachlorobiphenyl (PCB)	87	50-150

Field ID: DOOR-N-0.6GE-DG-5 TO 19-220805-P-LA **Batch#:** 294557 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/05/22 **Analysis:** EPA 8082

Lab ID: 466921-003 **Received:** 08/05/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/08/22

Dil n Fac: 1.000 **Analyzed:** 08/10/22

466921-003 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466921-003 Surrogate	%REC	Limits
TCMX (PCB)	93	52-186
Decachlorobiphenyl (PCB)	88	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466921 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.7GE-PS-19-220805-P-G **Batch#:** 294557 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/05/22 **Analysis:** EPA 8082

Lab ID: 466921-005 **Received:** 08/05/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/08/22

Diln Fac: 1.000 **Analyzed:** 08/10/22

466921-005 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466921-005 Surrogate	%REC	Limits
TCMX (PCB)	84	52-186
Decachlorobiphenyl (PCB)	80	50-150

Field ID: 220805-P-MEDBLANK **Batch#:** 294557 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/05/22 **Analysis:** EPA 8082

Lab ID: 466921-007 **Received:** 08/05/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/08/22

Diln Fac: 1.000 **Analyzed:** 08/10/22

466921-007 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466921-007 Surrogate	%REC	Limits
TCMX (PCB)	79	52-186
Decachlorobiphenyl (PCB)	80	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466921 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 294557 **Analysis:** EPA 8082

Lab ID: QC1005240 **Prepared:** 08/08/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/10/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1005240 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1005240 Surrogate	%REC	Limits
TCMX (PCB)	111	52-186
Decachlorobiphenyl (PCB)	95	60-140

Legend

ND: Not Detected

RL: Reporting Limit

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Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 466921 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 294557 **Analysis:** EPA 8082

Lab ID: QC1005241 **Prepared:** 08/08/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/10/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1005241 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	5.627	113	60-140	ug/100 cm2
Aroclor-1260	5.000	5.677	114	60-140	ug/100 cm2

QC1005241 Surrogate	%REC	Limits
TCMX (PCB)	105	52-186
Decachlorobiphenyl (PCB)	94	60-140

Type: BSD **Batch#:** 294557 **Analysis:** EPA 8082

Lab ID: QC1005242 **Prepared:** 08/08/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/10/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1005242 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	5.878	118	60-140	ug/100 cm2	4	20
Aroclor-1260	5.000	5.962	119	60-140	ug/100 cm2	5	20

QC1005242 Surrogate	%REC	Limits
TCMX (PCB)	111	52-186
Decachlorobiphenyl (PCB)	98	60-140

Legend

RPD: Relative Percent Difference

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Lead

Lab #: 466921 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.7GW-PS-19-220805-L-G **Batch#:** 294528 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/05/22 **Analysis:** EPA 6010B
Lab ID: 466921-002 **Received:** 08/05/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/08/22
Diln Fac: 1.000 **Analyzed:** 08/08/22

466921-002 Analyte	Result	RL	Units
Lead	**680**	0.47	ug/ft2

Field ID: DOOR-N-0.6GE-DG-5 TO 19-220805-L-LA **Batch#:** 294528 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/05/22 **Analysis:** EPA 6010B
Lab ID: 466921-004 **Received:** 08/05/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/08/22
Diln Fac: 1.000 **Analyzed:** 08/08/22

466921-004 Analyte	Result	RL	Units
Lead	**86**	0.49	ug/ft2

Field ID: DOOR-N-0.7GE-PS-19-220805-L-G **Batch#:** 294528 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/05/22 **Analysis:** EPA 6010B
Lab ID: 466921-006 **Received:** 08/05/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/08/22
Diln Fac: 1.000 **Analyzed:** 08/08/22

466921-006 Analyte	Result	RL	Units
Lead	**650**	0.47	ug/ft2

Field ID: 220805-L-MEDBLANK **Batch#:** 294528 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/05/22 **Analysis:** EPA 6010B
Lab ID: 466921-008 **Received:** 08/05/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/08/22
Diln Fac: 1.000 **Analyzed:** 08/08/22

466921-008 Analyte	Result	RL	Units
Lead	**2.7**	0.50	ug/ft2

Type: BLANK **Batch#:** 294528 **Analysis:** EPA 6010B
Lab ID: QC1005143 **Prepared:** 08/08/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 08/08/22
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1005143 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 466921 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 294528 **Analysis:** EPA 6010B

Lab ID: QC1005144 **Prepared:** 08/08/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 08/08/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1005144 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	109.8	110	80-120	ug/ft2

Type: BSD **Batch#:** 294528 **Analysis:** EPA 6010B

Lab ID: QC1005145 **Prepared:** 08/08/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 08/08/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1005145 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	108.8	109	80-120	ug/ft2	1	20

Legend

RPD: Relative Percent Difference

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

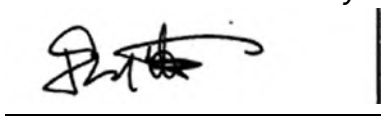
Lab Job Number:	467435
Report Level:	II
Report Date:	08/17/2022

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	467435
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	08/16/22

Sample ID	Lab ID	Collected	Matrix
DOOR-N-0.7GW-PS-19-220815-L-G	467435-001	08/15/22 10:25	Wipe
DOOR-N-0.7GE-PS-19-220815-L-G	467435-002	08/15/22 10:33	Wipe

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 467435 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 08/16/22

This data package contains sample and QC results for two wipe samples, requested for the above referenced project on 08/16/22. The samples were received cold and intact.

Metals (EPA 6010B):
No analytical problems were encountered.

467435

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	Tyler Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	~~DOOR-N-0.7GW-PS-19-220815-P-G~~	~~8/15/2022~~		WP	1		X			JS
2	DOOR-N-0.7GW-PS-19-220815-L-G	8/15/2022	1025	WP	1			X		6x Rivet Type 2 = 0.060 ft² added area
3	~~DOOR-N-0.7GE-PS-19-220815-P-G~~	~~8/15/2022~~		WP	1		X			JS
4	DOOR-N-0.7GE-PS-19-220815-L-G	8/15/2022	1033	WP	1			X		6x Rivet Type 2 = 0.060 ft² added area
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										

Analysis Request

Test Instructions / Comments

Confirmation Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure B (low occupancy)

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	TSinnott	Tyler Sinnott	Rincon / Envi. Scientist	8/15/22 / 1616
[1] Received By:		Miller	EA	8-16-22 0908
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 NTCRA

Date Received: 8/16/22 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.6 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.8 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✔
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 8-16-22

After printing this label:

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

5.6/1.8

ENTHALPY ANALYTICAL

Lead

Lab #: 467435 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.7GW-PS-19-220815-L-G **Batch#:** 295128 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/15/22 **Analysis:** EPA 6010B
Lab ID: 467435-001 **Received:** 08/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/16/22
Diln Fac: 1.000 **Analyzed:** 08/17/22

467435-001 Analyte	Result	RL	Units
Lead	**4.2**	0.47	ug/ft2

Field ID: DOOR-N-0.7GE-PS-19-220815-L-G **Batch#:** 295128 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/15/22 **Analysis:** EPA 6010B
Lab ID: 467435-002 **Received:** 08/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/16/22
Diln Fac: 1.000 **Analyzed:** 08/17/22

467435-002 Analyte	Result	RL	Units
Lead	**4.6**	0.47	ug/ft2

Type: BLANK **Batch#:** 295128 **Analysis:** EPA 6010B
Lab ID: QC1006891 **Prepared:** 08/16/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 08/17/22
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1006891 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 467435 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 295128 **Analysis:** EPA 6010B

Lab ID: QC1006892 **Prepared:** 08/16/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 08/17/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1006892 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	100.2	100	80-120	ug/ft2

Type: BSD **Batch#:** 295128 **Analysis:** EPA 6010B

Lab ID: QC1006893 **Prepared:** 08/16/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 08/17/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1006893 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	102.5	103	80-120	ug/ft2	2	20

Legend

RPD: Relative Percent Difference

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number:	464779
Report Level:	IV
Report Date:	01/05/2023

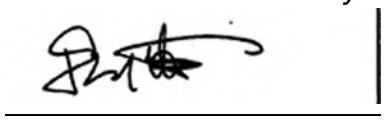
PCBs

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

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CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	464779
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	06/23/22

Sample ID	Lab ID	Collected	Matrix
ARCH-C1W-PS-5.5-220623-P-G	464779-002	06/23/22 10:51	Wipe
ARCH-C1W-PS-5.5-220623-P-DUP-G	464779-003	06/23/22 10:51	Wipe
ARCH-C1W-EXT-5 TO 6-220623-P-I	464779-006	06/23/22 10:22	Wipe

ENTHALPY ANALYTICAL

Case Narrative

PCBS (EPA 8082)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 464779 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 06/23/22

This data package contains sample and QC results for three wipe samples, requested for the above referenced project on 06/23/22. See attached cooler receipt form for any sample receipt problems or discrepancies. Reissued 1/5/23 to revise the preparation method reference.

PCBs (EPA 8082):

No analytical problems were encountered.

Chain of Custody

461779

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim and T. Sinnott

Test Instructions / Comments

Confirmation Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Report requires Stage 3 Data Validation

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
1	~~ARCH-C1W-DG-5 TO 5.5-220623-L-~~ TS	6/23/2022		WP				X	TS
2	~~ARCH-C1W-DG-5 TO 5.5-220623-L-DUP-~~ TS	~~6/23/2022~~		WP				X	TS
3	~~ARCH-C1W-DG-5 TO 5.5-220623-P-~~ TS	~~6/23/2022~~		WP			X		TS
4	ARCH-C1W-PS-5.5-220623-L- G	6/23/2022	1051	WP				X	
5	ARCH-C1W-PS-5.5-220623-P- G	6/23/2022	~~1~~ 1051	WP			X		
6	ARCH-C1W-PS-5.5-220623-P-DUP- G	6/23/2022	1051	WP			X		
7	~~Arch-C1W-~~ TS								
8	Arch-C1W-EXT-5to6-220623-L-I	6/23/22	1022	WP				X	
9	Arch-C1W-EXT-5to6-220623-L-DUP-I	6/23/22	1022	WP				X	
10	Arch-C1W-EXT-5to6-220623-P-I	6/23/22	1022	WP			X		
11									
12									
13									
14									
15									

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Tyler Sinnott	Rincon / Envi. Scientist	6/23/22 / 1330
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	6/23/22 13:30
2 Relinquished By:	Audrey Hudson	"	"	6/23/22 15:25
2 Received By:		Maccammil Yin	FB	6/23/22 15:25
3 Relinquished By:		Maccammil, Yin	FB	6/23/22 16:10
3 Received By:		Jamin		6/24/22 08:40

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 464779 Client: Ronco

Date Received: 6/23/22 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☐ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☐ Yes, how many? _____ ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☑ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 6/23/22 By (print) MY (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☑ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: _____, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 6/23/22 **By (print)** MY **(sign)** _____

Date Labeled 6/23/22 **By (print)** MY **(sign)** _____

ENTHALPY

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon

Project: Hangar 1 – NCTRA WP

Date Received: 6/24/2022

Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.3 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: Greyhound

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: _____ #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Yunita Date: 6/24/2022

STD PPD 23JUN22 20:57A

Schd: GLI 68

Pcs: 3 of 4 LOS ANGELES, CA

From: Enthalpy Analytical - Or
000-000-0000

RECV: ENTHALPY ANALYTICAL

921 W. B LEY

LOS ANGELES

ORANGE, CA 92868

Phone: 925-487-8029

Standard

Agency Phone: (213)629-8420

Manual Wght:
181.8

Tariff Wght:
184.0

PO/Ref #:

WWW.SHIPGREYHOUND.COM

5/3.0 C/1.0 @ 08:48

Results & QC Summary

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 464779 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C1W-PS-5.5-220623-P-G **Batch#:** 291960 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 06/23/22 **Analysis:** EPA 8082

Lab ID: 464779-002 **Received:** 06/23/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 06/27/22

Diln Fac: 1.000 **Analyzed:** 06/28/22

464779-002 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

464779-002 Surrogate	%REC	Limits
TCMX (PCB)	65	52-186
Decachlorobiphenyl (PCB)	63	50-150

Field ID: ARCH-C1W-PS-5.5-220623-P-DUP-G **Batch#:** 291960 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 06/23/22 **Analysis:** EPA 8082

Lab ID: 464779-003 **Received:** 06/23/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 06/27/22

Diln Fac: 1.000 **Analyzed:** 06/28/22

464779-003 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

464779-003 Surrogate	%REC	Limits
TCMX (PCB)	58	52-186
Decachlorobiphenyl (PCB)	53	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 464779 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C1W-EXT-5 TO 6-220623-P-I **Batch#:** 291960 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 06/23/22 **Analysis:** EPA 8082

Lab ID: 464779-006 **Received:** 06/23/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 06/27/22

Dil n Fac: 1.000 **Analyzed:** 06/28/22

464779-006 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

464779-006 Surrogate	%REC	Limits
TCMX (PCB)	62	52-186
Decachlorobiphenyl (PCB)	58	50-150

Type: BLANK **Batch#:** 291960 **Analysis:** EPA 8082

Lab ID: QC997361 **Prepared:** 06/27/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 06/28/22

Dil n Fac: 1.000 **Prep:** EPA 3572M

QC997361 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC997361 Surrogate	%REC	Limits
TCMX (PCB)	82	52-186
Decachlorobiphenyl (PCB)	76	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 464779 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 291960 **Analysis:** EPA 8082

Lab ID: QC997362 **Prepared:** 06/27/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 06/28/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC997362 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.031	81	60-140	ug/100 cm2
Aroclor-1260	5.000	4.355	87	60-140	ug/100 cm2

QC997362 Surrogate	%REC	Limits
TCMX (PCB)	82	52-186
Decachlorobiphenyl (PCB)	73	60-140

Type: BSD **Batch#:** 291960 **Analysis:** EPA 8082

Lab ID: QC997363 **Prepared:** 06/27/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 06/28/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC997363 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.466	89	60-140	ug/100 cm2	10	20
Aroclor-1260	5.000	4.845	97	60-140	ug/100 cm2	11	20

QC997363 Surrogate	%REC	Limits
TCMX (PCB)	90	52-186
Decachlorobiphenyl (PCB)	80	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY INITIAL CALIBRATION FOR 464779 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_062422_1
Calibration #:	462252739001	Date:	25-JUN-2022 00:39
		X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc07_062422022	462252739022		25-JUN-2022 00:39	S16671 (100X), S16725 (250X)
L2	gc07_062422023	462252739023		25-JUN-2022 00:57	S16671 (40X), S16725 (250X)
L3	gc07_062422024	462252739024		25-JUN-2022 01:14	S16671 (20X), S16725 (250X)
L4	gc07_062422025	462252739025		25-JUN-2022 01:32	S16671 (8X), S16725 (250X)
L5	gc07_062422026	462252739026		25-JUN-2022 01:49	S16671 (4X), S16725 (250X)
L6	gc07_062422027	462252739027		25-JUN-2022 02:07	S16671 (2.66X), S16725 (250X)
L7	gc07_062422028	462252739028		25-JUN-2022 02:24	S16671 (2X), S16725 (250X)
L8	gc07_062422029	462252739029		25-JUN-2022 02:42	S16671 (1.33X), S16725 (250X)
L9	gc07_062422030	462252739030		25-JUN-2022 02:59	S16671, S16725 (250X)

Analyte	Ch	Type	a0	a1	a2	Units	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		52.1446		ug/L	0.0192	12	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		24.0592		ug/L	0.0416	14	9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		20.7771		ug/L	0.0481	12	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		28.8928		ug/L	0.0346	11	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		34.6865		ug/L	0.0288	11	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		16.4257		ug/L	0.0609	12	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		11.4424		ug/L	0.0874	10	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		11.2915		ug/L	0.0886	7	9	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		22.0875		ug/L	0.0453	10	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		24.0599		ug/L	0.0416	7	9	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.89555		pg/uL	1.1166	9	9	.99	20	
TCMX (PCB)	A	AVRG		1.06067		pg/uL	0.9428	8	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		49.6768		ug/L	0.0201	7	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		22.8132		ug/L	0.0438	9	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		19.8883		ug/L	0.0503	9	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		28.6560		ug/L	0.0349	6	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		34.3044		ug/L	0.0292	7	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		15.7963		ug/L	0.0633	8	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		14.2181		ug/L	0.0703	6	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		11.5518		ug/L	0.0866	3	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		20.5890		ug/L	0.0486	5	9	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		14.3273		ug/L	0.0698	4	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.81243		pg/uL	1.2309	10	9	.99	20	
TCMX (PCB)	B	AVRG		1.10236		pg/uL	0.9071	4	9	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

ENTHALPY INITIAL CALIBRATION FOR 464779 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_062422_1
Calibration #:	462252739001	Date:	25-JUN-2022 00:39
		X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0234	0.0215	0.0200	0.0192	0.0192	0.0180	0.0176	0.0174	0.0163
Aroclor-1016 Peak # 2	A	0.0506	0.0484	0.0464	0.0430	0.0395	0.0384	0.0372	0.0366	0.0339
Aroclor-1016 Peak # 3	A	0.0594	0.0542	0.0518	0.0468	0.0454	0.0453	0.0443	0.0447	0.0413
Aroclor-1016 Peak # 4	A	0.0413	0.0385	0.0369	0.0348	0.0332	0.0331	0.0323	0.0317	0.0297
Aroclor-1016 Peak # 5	A	0.0337	0.0322	0.0318	0.0293	0.0277	0.0275	0.0267	0.0261	0.0245
Aroclor-1260 Peak # 1	A	0.0727	0.0690	0.0664	0.0613	0.0580	0.0617	0.0550	0.0540	0.0499
Aroclor-1260 Peak # 2	A	0.1010	0.0978	0.0943	0.0864	0.0838	0.0853	0.0816	0.0810	0.0754
Aroclor-1260 Peak # 3	A	0.0987	0.0952	0.0933	0.0862	0.0848	0.0876	0.0843	0.0855	0.0813
Aroclor-1260 Peak # 4	A	0.0539	0.0502	0.0485	0.0445	0.0431	0.0439	0.0418	0.0418	0.0398
Aroclor-1260 Peak # 5	A	0.0379	0.0402	0.0409	0.0376	0.0404	0.0447	0.0428	0.0450	0.0446
Decachlorobiphenyl (PCB)	A	1.3136	1.2521	1.1395	1.0914	1.0462	1.0936	1.0474	1.0457	1.0202
TCMX (PCB)	A	1.0556	1.0443	1.0018	0.9534	0.8960	0.8931	0.8839	0.9007	0.8564
Aroclor-1016 Peak # 1	B	0.0237	0.0206	0.0205	0.0201	0.0194	0.0196	0.0193	0.0195	0.0184
Aroclor-1016 Peak # 2	B	0.0520	0.0470	0.0451	0.0431	0.0429	0.0424	0.0413	0.0416	0.0391
Aroclor-1016 Peak # 3	B	0.0609	0.0528	0.0500	0.0478	0.0483	0.0487	0.0479	0.0490	0.0470
Aroclor-1016 Peak # 4	B	0.0385	0.0379	0.0349	0.0334	0.0336	0.0344	0.0340	0.0346	0.0328
Aroclor-1016 Peak # 5	B	0.0329	0.0318	0.0294	0.0281	0.0280	0.0286	0.0281	0.0285	0.0271
Aroclor-1260 Peak # 1	B	0.0741	0.0656	0.0651	0.0617	0.0619	0.0631	0.0605	0.0606	0.0572
Aroclor-1260 Peak # 2	B	0.0777	0.0735	0.0724	0.0698	0.0688	0.0709	0.0674	0.0682	0.0642
Aroclor-1260 Peak # 3	B	0.0823	0.0865	0.0833	0.0845	0.0876	0.0917	0.0876	0.0898	0.0859
Aroclor-1260 Peak # 4	B	0.0506	0.0519	0.0474	0.0468	0.0460	0.0516	0.0476	0.0489	0.0462
Aroclor-1260 Peak # 5	B	0.0736	0.0727	0.0678	0.0662	0.0681	0.0716	0.0685	0.0706	0.0691
Decachlorobiphenyl (PCB)	B	1.4473	1.4291	1.1927	1.1850	1.1442	1.2016	1.1565	1.1753	1.1462
TCMX (PCB)	B	0.9875	0.8886	0.8748	0.8877	0.8943	0.8998	0.8927	0.9329	0.9059

ENTHALPY INITIAL CALIBRATION FOR 464779 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_062422_1
Calibration #:	462252739001	Date:	25-JUN-2022 00:39
		X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	**22**	50.000	12	100.00	4	250.00	0	500.00	0	751.88	-6	1000.0	-8	1503.8	-9
Aroclor-1016 Peak # 2	A	20.000	**22**	50.000	16	100.00	12	250.00	3	500.00	-5	751.88	-8	1000.0	-10	1503.8	-12
Aroclor-1016 Peak # 3	A	20.000	**23**	50.000	13	100.00	8	250.00	-3	500.00	-6	751.88	-6	1000.0	-8	1503.8	-7
Aroclor-1016 Peak # 4	A	20.000	19	50.000	11	100.00	7	250.00	1	500.00	-4	751.88	-4	1000.0	-7	1503.8	-8
Aroclor-1016 Peak # 5	A	20.000	17	50.000	12	100.00	10	250.00	2	500.00	-4	751.88	-5	1000.0	-7	1503.8	-10
Aroclor-1260 Peak # 1	A	20.000	19	50.000	13	100.00	9	250.00	1	500.00	-5	751.88	1	1000.0	-10	1503.8	-11
Aroclor-1260 Peak # 2	A	20.000	16	50.000	12	100.00	8	250.00	-1	500.00	-4	751.88	-2	1000.0	-7	1503.8	-7
Aroclor-1260 Peak # 3	A	20.000	11	50.000	8	100.00	5	250.00	-3	500.00	-4	751.88	-1	1000.0	-5	1503.8	-3
Aroclor-1260 Peak # 4	A	20.000	19	50.000	11	100.00	7	250.00	-2	500.00	-5	751.88	-3	1000.0	-8	1503.8	-8
Aroclor-1260 Peak # 5	A	20.000	-9	50.000	-3	100.00	-2	250.00	-9	500.00	-3	751.88	8	1000.0	3	1503.8	8
Decachlorobiphenyl (PCB)	A	0.8000	18	2.0000	12	4.0000	2	10.000	-2	20.000	-6	30.075	-2	40.000	-6	60.150	-6
TCMX (PCB)	A	0.8000	12	2.0000	11	4.0000	6	10.000	1	20.000	-5	30.075	-5	40.000	-6	60.150	-4
Aroclor-1016 Peak # 1	B	20.000	18	50.000	2	100.00	2	250.00	0	500.00	-3	751.88	-3	1000.0	-4	1503.8	-3
Aroclor-1016 Peak # 2	B	20.000	19	50.000	7	100.00	3	250.00	-2	500.00	-2	751.88	-3	1000.0	-6	1503.8	-5
Aroclor-1016 Peak # 3	B	20.000	**21**	50.000	5	100.00	-1	250.00	-5	500.00	-4	751.88	-3	1000.0	-5	1503.8	-2
Aroclor-1016 Peak # 4	B	20.000	10	50.000	9	100.00	0	250.00	-4	500.00	-4	751.88	-1	1000.0	-2	1503.8	-1
Aroclor-1016 Peak # 5	B	20.000	13	50.000	9	100.00	1	250.00	-4	500.00	-4	751.88	-2	1000.0	-4	1503.8	-2
Aroclor-1260 Peak # 1	B	20.000	17	50.000	4	100.00	3	250.00	-3	500.00	-2	751.88	0	1000.0	-4	1503.8	-4
Aroclor-1260 Peak # 2	B	20.000	10	50.000	5	100.00	3	250.00	-1	500.00	-2	751.88	1	1000.0	-4	1503.8	-3
Aroclor-1260 Peak # 3	B	20.000	-5	50.000	0	100.00	-4	250.00	-2	500.00	1	751.88	6	1000.0	1	1503.8	4
Aroclor-1260 Peak # 4	B	20.000	4	50.000	7	100.00	-2	250.00	-4	500.00	-5	751.88	6	1000.0	-2	1503.8	1
Aroclor-1260 Peak # 5	B	20.000	5	50.000	4	100.00	-3	250.00	-5	500.00	-2	751.88	3	1000.0	-2	1503.8	1
Decachlorobiphenyl (PCB)	B	0.8000	18	2.0000	16	4.0000	-3	10.000	-4	20.000	-7	30.075	-2	40.000	-6	60.150	-5
TCMX (PCB)	B	0.8000	9	2.0000	-2	4.0000	-4	10.000	-2	20.000	-1	30.075	-1	40.000	-2	60.150	3

ENTHALPY INITIAL CALIBRATION FOR 464779 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_062422_1
Calibration #:	462252739001	Date:	25-JUN-2022 00:39
		X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-15
Aroclor-1016 Peak # 2	A	2000.0	-18
Aroclor-1016 Peak # 3	A	2000.0	-14
Aroclor-1016 Peak # 4	A	2000.0	-14
Aroclor-1016 Peak # 5	A	2000.0	-15
Aroclor-1260 Peak # 1	A	2000.0	-18
Aroclor-1260 Peak # 2	A	2000.0	-14
Aroclor-1260 Peak # 3	A	2000.0	-8
Aroclor-1260 Peak # 4	A	2000.0	-12
Aroclor-1260 Peak # 5	A	2000.0	7
Decachlorobiphenyl (PCB)	A	80.000	-9
TCMX (PCB)	A	80.000	-9
Aroclor-1016 Peak # 1	B	2000.0	-8
Aroclor-1016 Peak # 2	B	2000.0	-11
Aroclor-1016 Peak # 3	B	2000.0	-6
Aroclor-1016 Peak # 4	B	2000.0	-6
Aroclor-1016 Peak # 5	B	2000.0	-7
Aroclor-1260 Peak # 1	B	2000.0	-10
Aroclor-1260 Peak # 2	B	2000.0	-9
Aroclor-1260 Peak # 3	B	2000.0	-1
Aroclor-1260 Peak # 4	B	2000.0	-5
Aroclor-1260 Peak # 5	B	2000.0	-1
Decachlorobiphenyl (PCB)	B	80.000	-7
TCMX (PCB)	B	80.000	0

TRN 06/25/22 : Manually integrated for coeluting peak and automatic draw baseline on both/one channel and on multiple levels

Analyst: TRN 06/25/22

Reviewer: LW 06/27/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 464779 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07	Name:	PCB_062422_1
Calnum:	462252739001	Cal Date:	25-JUN-2022

- ICV 462252739032 (gc07_062422032 25-JUN-2022) stds: S16736

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	518.1	ug/L	4	15	
Aroclor-1260	A	500.0	539.6	ug/L	8	15	
Aroclor-1016	B	500.0	525.9	ug/L	5	15	
Aroclor-1260	B	500.0	563.1	ug/L	13	15	

-

Analyst: TRN 06/25/22 **Reviewer:** LW 06/27/22

ENTHALPY CONTINUING CALIBRATION FOR 464779 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07			IDF:	1.0
Seqnum:	462258436004	File:	gc07_062822004	Time:	28-JUN-2022 11:51
Cal:	462252739001	Caldate:	25-JUN-2022		

Standards: S17006

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	462.7	ug/L	-7	15	0.0000	
Aroclor-1260	A			500.0	510.2	ug/L	2	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.1166	0.9481	20.00	16.98	pg/uL	-15	15	0.0000	
TCMX (PCB)	A	0.9428	0.8600	20.00	18.24	pg/uL	-9	15	0.0000	
Aroclor-1016	B			500.0	491.3	ug/L	-2	15	0.0000	
Aroclor-1260	B			500.0	506.3	ug/L	1	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2309	1.0800	20.00	17.55	pg/uL	-12	15	0.0000	
TCMX (PCB)	B	0.9071	0.8655	20.00	19.08	pg/uL	-5	15	0.0000	

ISTD (ICAL gc07_062422023)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1166029	1389469	19.16
1-bromo-2-nitrobenzene (PCB)	A	4421081	5233508	18.38

Analyst: TRN 06/28/22 **Reviewer:** SLL 06/28/22

Enthalpy Internal Standard Summary for Sequence 462258436

Date:	06/28/22	Reference:	gc07_062422023
Sequence:	SVOA-GC07 gc07_062822	Analyzed:	06/25/22 00:57

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	1166029	4421081
		LOWER LIMIT	583015	2210541
		UPPER LIMIT	2332058	8842162
004	CCV		1389469	5233508

Enthalpy Internal Standard Summary for Sequence 462258436

Date: 06/28/22 Reference: gc07_062822004
Sequence: SVOA-GC07 gc07_062822 Analyzed: 06/28/22 11:51

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	1389469	5233508
		LOWER LIMIT	694734	2616754
		UPPER LIMIT	2778937	10467016
007	BLANK	QC997361	1568156	5612864
008	BS	QC997362	1410452	5058676
009	BSD	QC997363	1222092	4449476
010	SAMPLE	464405-001	1292327	4500532
011	SAMPLE	464405-004	1720983	5961053
012	SAMPLE	464405-006	1841865	6275263
013	SAMPLE	464405-008	1521750	5276313
014	SAMPLE	464405-010	1386429	4816272
015	SAMPLE	464405-012	1595756	5518706
016	SAMPLE	464405-014	1368143	4731126
017	SAMPLE	464405-015	1276515	4447708
018	LCS	QC995759	1397648	4986201
019	SAMPLE	464098-003	1505925	5431870
020	SAMPLE	464098-013	1140371	4123940
021	BLANK	QC995755	1307616	4732356
022	LCS	QC995759	1336734	4859224
025	SAMPLE	464779-002	1710267	5849045
027	SAMPLE	464255-013	1798197	8951752
028	SAMPLE	464779-003	1454182	5011612
029	SAMPLE	464779-006	1336986	4620510
030	SAMPLE	464785-002	1689800	6109957
031	SAMPLE	464785-004	1536965	5273020
032	SAMPLE	464785-006	1994901	6756651
035	BLANK	QC997502	1355424	4494240
035	BLANK	QC997502	1355424	4494240

Enthalpy Internal Standard Summary for Sequence 462258436

Date: 06/28/22 Reference: gc07_062822004
Sequence: SVOA-GC07 gc07_062822 Analyzed: 06/28/22 11:51

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.44	4.25
		LOWER LIMIT	4.24	4.05
		UPPER LIMIT	4.64	4.45
007	BLANK	QC997361	4.44	4.26
008	BS	QC997362	4.44	4.25
009	BSD	QC997363	4.44	4.25
010	SAMPLE	464405-001	4.44	4.25
011	SAMPLE	464405-004	4.44	4.25
012	SAMPLE	464405-006	4.44	4.25
013	SAMPLE	464405-008	4.44	4.25
014	SAMPLE	464405-010	4.44	4.25
015	SAMPLE	464405-012	4.44	4.25
016	SAMPLE	464405-014	4.44	4.25
017	SAMPLE	464405-015	4.44	4.25
018	LCS	QC995759	4.44	4.25
019	SAMPLE	464098-003	4.44	4.25
020	SAMPLE	464098-013	4.44	4.25
021	BLANK	QC995755	4.44	4.25
022	LCS	QC995759	4.44	4.25
025	SAMPLE	464779-002	4.44	4.25
027	SAMPLE	464255-013	4.44	4.25
028	SAMPLE	464779-003	4.44	4.25
029	SAMPLE	464779-006	4.44	4.25
030	SAMPLE	464785-002	4.44	4.25
031	SAMPLE	464785-004	4.44	4.25
032	SAMPLE	464785-006	4.44	4.25
035	BLANK	QC997502	4.44	4.25

Enthalpy Internal Standard Summary for Sequence 462258436

Date:	06/28/22	Reference:	gc07_062822026
Sequence:	SVOA-GC07 gc07_062822	Analyzed:	06/28/22 18:11

#	Type	Sample ID	1BR2NITROBZ1254 B	1BR2NITROBZ1254 A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	1445468	5189113
		LOWER LIMIT	722734	2594557
		UPPER LIMIT	2890936	10378227
027	SAMPLE	464255-013	1811950	8955411
028	SAMPLE	464779-003		
029	SAMPLE	464779-006		
030	SAMPLE	464785-002		
031	SAMPLE	464785-004		
032	SAMPLE	464785-006		
035	BLANK	QC997502		
035	BLANK	QC997502		

Enthalpy Internal Standard Summary for Sequence 462258436

Date:	06/28/22	Reference:	gc07_062822026
Sequence:	SVOA-GC07 gc07_062822	Analyzed:	06/28/22 18:11

#	Type	Sample ID	1BR2NITROBZ1254 B RT	1BR2NITROBZ1254 A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.44	4.25
		LOWER LIMIT	4.24	4.05
		UPPER LIMIT	4.64	4.45
027	SAMPLE	464255-013	4.44	4.25
028	SAMPLE	464779-003		
029	SAMPLE	464779-006		
030	SAMPLE	464785-002		
031	SAMPLE	464785-004		
032	SAMPLE	464785-006		
035	BLANK	QC997502		

Enthalpy Sequence Summary for Sequence 462252739

Instrument: SVOA-GC07 Begun: 06/24/22 12:19
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc07_062422002	PEM				06/24/22 12:19	1.0	1	
003	gc07_062422003	CCV				06/24/22 12:37	1.0	2	ac
004	gc07_062422004	CCV				06/24/22 12:55	1.0	3	
011	gc07_062422011	PEM				06/24/22 21:26	1.0	1	
022	gc07_062422022	ICAL				06/25/22 00:39	1.0	4 5	
023	gc07_062422023	ICAL				06/25/22 00:57	1.0	4 5	
024	gc07_062422024	ICAL				06/25/22 01:14	1.0	4 5	
025	gc07_062422025	ICAL				06/25/22 01:32	1.0	4 5	
026	gc07_062422026	ICAL				06/25/22 01:49	1.0	4 5	
027	gc07_062422027	ICAL				06/25/22 02:07	1.0	4 5	
028	gc07_062422028	ICAL				06/25/22 02:24	1.0	4 5	
029	gc07_062422029	ICAL				06/25/22 02:42	1.0	4 5	
030	gc07_062422030	ICAL				06/25/22 02:59	1.0	4 5	
032	gc07_062422032	ICV				06/25/22 03:34	1.0	6	

TRN 06/25/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 32.

ac=average CCV drift out

Standards Used:
1=S16549 2=S16729 3=S17006 4=S16671 5=S16725 6=S16736

Enthalpy Sequence Summary for Sequence 462258436

Instrument: SVOA-GC07 Begun: 06/28/22 11:16
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc07_062822002	PEM				06/28/22 11:16	1.0	1	
003	gc07_062822003	CCV				06/28/22 11:33	1.0	2	ac
004	gc07_062822004	CCV				06/28/22 11:51	1.0	3	
005	gc07_062822005	CCV				06/28/22 12:09	1.0	2	ac
007	gc07_062822007	BLANK	QC997361	Wipe	291960	06/28/22 12:37	1.0	4	
008	gc07_062822008	BS	QC997362	Wipe	291960	06/28/22 12:55	1.0	4	
009	gc07_062822009	BSD	QC997363	Wipe	291960	06/28/22 13:13	1.0	4	
010	gc07_062822010	SAMPLE	464405-001	Wipe	291960	06/28/22 13:30	1.0	4	
011	gc07_062822011	SAMPLE	464405-004	Wipe	291960	06/28/22 13:48	1.0	4	
012	gc07_062822012	SAMPLE	464405-006	Wipe	291960	06/28/22 14:05	1.0	4	
013	gc07_062822013	SAMPLE	464405-008	Wipe	291960	06/28/22 14:23	1.0	4	
014	gc07_062822014	SAMPLE	464405-010	Wipe	291960	06/28/22 14:40	1.0	4	
015	gc07_062822015	SAMPLE	464405-012	Wipe	291960	06/28/22 14:58	1.0	4	
016	gc07_062822016	SAMPLE	464405-014	Wipe	291960	06/28/22 15:15	1.0	4	
017	gc07_062822017	SAMPLE	464405-015	Wipe	291960	06/28/22 15:33	1.0	4	
018	gc07_062822018	LCS	QC995759	Soil	291473	06/28/22 15:51	1.0	4	
019	gc07_062822019	SAMPLE	464098-003	Soil	291473	06/28/22 16:08	1.0	4	
020	gc07_062822020	SAMPLE	464098-013	Soil	291473	06/28/22 16:26	5.0	4	
021	gc07_062822021	BLANK	QC995755	Soil	291473	06/28/22 16:43	1.0	4	
022	gc07_062822022	LCS	QC995759	Soil	291473	06/28/22 17:01	1.0	4	
023	gc07_062822023	SAMPLE	464325-014	Soil	291554	06/28/22 17:19	10.0	4	<ac
025	gc07_062822025	SAMPLE	464779-002	Wipe	291960	06/28/22 17:54	1.0	4	
026	gc07_062822026	ICAL				06/28/22 18:11	1.0	5	
027	gc07_062822027	SAMPLE	464255-013	Soil	291554	06/28/22 18:29	1.0	4	
028	gc07_062822028	SAMPLE	464779-003	Wipe	291960	06/28/22 18:46	1.0	4	
029	gc07_062822029	SAMPLE	464779-006	Wipe	291960	06/28/22 19:04	1.0	4	
030	gc07_062822030	SAMPLE	464785-002	Wipe	291960	06/28/22 19:21	1.0	4	
031	gc07_062822031	SAMPLE	464785-004	Wipe	291960	06/28/22 19:39	1.0	4	
032	gc07_062822032	SAMPLE	464785-006	Wipe	291960	06/28/22 19:56	1.0	4	
035	gc07_062822035	BLANK	QC997502	Soil	292025	06/28/22 20:49	1.0	4	<ac
036	gc07_062822036	LCS	QC997503	Soil	292025	06/28/22 21:07	1.0	4	<ac
037	gc07_062822037	MS	QC997505	Soil	292025	06/28/22 21:24	10.0	4	<ac
038	gc07_062822038	MSD	QC997506	Soil	292025	06/28/22 21:42	10.0	4	<ac
039	gc07_062822039	SAMPLE	463961-036	Soil	292025	06/28/22 21:59	1.0	4	sh <ac
040	gc07_062822040	MSS	464039-007	Soil	292025	06/28/22 22:17	10.0	4	sh <ac

TRN 06/29/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 40.

<=opening ac=average CCV drift out sh=out of sample hold

Standards Used:
1=S16549 2=S16729 3=S17006 4=S17010 5=S16977

SAMPLE PREPARATION SUMMARY

Batch # : 291960
Started By : SME
Prep Date : 27-JUN-2022 13:27
Method : 3572M
Spike #1 ID : S16989
Analysis : 8080
Finished By : SME
Units : dm2
Spike #3 ID : S16834

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
464405-001		Wipe	1	20	1	20.0		1				PCB	
464405-004		Wipe	1	20	1	20.0		1				PCB	
464405-006		Wipe	1	20	1	20.0		1				PCB	
464405-008		Wipe	1	20	1	20.0		1				PCB	
464405-010		Wipe	1	20	1	20.0		1				PCB	
464405-012		Wipe	1	20	1	20.0		1				PCB	
464405-014		Wipe	1	20	1	20.0		1				PCB	
464405-015		Wipe	1	20	1	20.0		1				PCB	
464779-002		Wipe	1	20	1	20.0		1				PCB	
464779-003		Wipe	1	20	1	20.0		1				PCB	
464779-006		Wipe	1	20	1	20.0		1				PCB	
464785-002		Wipe	1	20	1	20.0		1				PCB	
464785-004		Wipe	1	20	1	20.0		1				PCB	
464785-006		Wipe	1	20	1	20.0		1				PCB	
QC997361	BLANK	Wipe	1	10	1	10.0		.5				8080	
QC997362	BS	Wipe	1	10	1	10.0		.5		.5		8080	
QC997363	BSD	Wipe	1	10	1	10.0		.5		.5		8080	

TRN 06/28/22 : BS/D verify the batch

Analyst: TRN Date: 06/28/22 Reviewer: SLL Date: 06/28/22

13:27

8081/8082 Prep Log

Date/Time: 06/27/2022 Initials: SME

608 QC Batch#:

3572M 1-5-23 MAG

8081 QC Batch #:

Matrix: Wipe Prep Method: 3580 Balance ID: N/A

8082 QC Batch #: 291960

Sample ID	Cont. ID	Sample Initial Amount Circle one: mL Wipe	pH is 5-9?	Extraction Equipment ID (Sox, Sonic., Shaker)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Witness ID	Comment
Blank		1 Wipe	N/A	SH2	N/A	10.0		JAP	500 µL PCB Surr.
LCS						10.0			
LCSD						10.0			
464405-001	A					20.0			1000 µL PCB Surr.
-004						20.0			
-006						20.0			
-008						20.0			
-010						20.0			
-012						20.0			
-014						20.0			
-015						20.0			
464779-002						20.0			
-003						20.0			
-006						20.0			
464785-002						20.0			
-004						20.0			
-006						20.0			

Methylene Chloride Lot: N/A

Exchange Solvent (Hexane) ID: S110897

Acetone-Hexane Mix ID: N/A

Sodium Sulfate Lot: N/A

Baked Sand Lot: N/A

Surrogate ID: S110989 Volume: µL

Pest LCS Spike ID: Volume: µL

PCB LCS Spike ID: S110834 Volume: 500 µL

Pest MS/MSD Spike ID: Volume: µL

PCB MS/MSD Spike ID: Volume: µL

REPORTING SUMMARY FOR 464779 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
464779-002	Aroclor-1016	SVOA-GC07	B	06/28/22 17:54
464779-002	Aroclor-1221	SVOA-GC07	B	06/28/22 17:54
464779-002	Aroclor-1232	SVOA-GC07	B	06/28/22 17:54
464779-002	Aroclor-1242	SVOA-GC07	B	06/28/22 17:54
464779-002	Aroclor-1248	SVOA-GC07	B	06/28/22 17:54
464779-002	Aroclor-1254	SVOA-GC07	B	06/28/22 17:54
464779-002	Aroclor-1260	SVOA-GC07	B	06/28/22 17:54
464779-002	Aroclor-1268	SVOA-GC07	B	06/28/22 17:54
464779-002	TCMX (PCB)	SVOA-GC07	B	06/28/22 17:54
464779-002	Decachlorobiphenyl (PCB)	SVOA-GC07	B	06/28/22 17:54
464779-003	Aroclor-1016	SVOA-GC07	B	06/28/22 18:46
464779-003	Aroclor-1221	SVOA-GC07	B	06/28/22 18:46
464779-003	Aroclor-1232	SVOA-GC07	B	06/28/22 18:46
464779-003	Aroclor-1242	SVOA-GC07	B	06/28/22 18:46
464779-003	Aroclor-1248	SVOA-GC07	B	06/28/22 18:46
464779-003	Aroclor-1254	SVOA-GC07	B	06/28/22 18:46
464779-003	Aroclor-1260	SVOA-GC07	B	06/28/22 18:46
464779-003	Aroclor-1268	SVOA-GC07	B	06/28/22 18:46
464779-003	TCMX (PCB)	SVOA-GC07	B	06/28/22 18:46
464779-003	Decachlorobiphenyl (PCB)	SVOA-GC07	B	06/28/22 18:46
464779-006	Aroclor-1016	SVOA-GC07	B	06/28/22 19:04
464779-006	Aroclor-1221	SVOA-GC07	B	06/28/22 19:04
464779-006	Aroclor-1232	SVOA-GC07	B	06/28/22 19:04
464779-006	Aroclor-1242	SVOA-GC07	B	06/28/22 19:04
464779-006	Aroclor-1248	SVOA-GC07	B	06/28/22 19:04
464779-006	Aroclor-1254	SVOA-GC07	B	06/28/22 19:04
464779-006	Aroclor-1260	SVOA-GC07	B	06/28/22 19:04
464779-006	Aroclor-1268	SVOA-GC07	B	06/28/22 19:04
464779-006	TCMX (PCB)	SVOA-GC07	B	06/28/22 19:04
464779-006	Decachlorobiphenyl (PCB)	SVOA-GC07	B	06/28/22 19:04
QC997361	Aroclor-1016	SVOA-GC07	B	06/28/22 12:37
QC997361	Aroclor-1221	SVOA-GC07	B	06/28/22 12:37
QC997361	Aroclor-1232	SVOA-GC07	B	06/28/22 12:37
QC997361	Aroclor-1242	SVOA-GC07	B	06/28/22 12:37
QC997361	Aroclor-1248	SVOA-GC07	B	06/28/22 12:37
QC997361	Aroclor-1254	SVOA-GC07	B	06/28/22 12:37
QC997361	Aroclor-1260	SVOA-GC07	B	06/28/22 12:37
QC997361	Aroclor-1268	SVOA-GC07	B	06/28/22 12:37
QC997361	TCMX (PCB)	SVOA-GC07	B	06/28/22 12:37
QC997361	Decachlorobiphenyl (PCB)	SVOA-GC07	B	06/28/22 12:37
QC997362	Aroclor-1016	SVOA-GC07	B	06/28/22 12:55
QC997362	Aroclor-1260	SVOA-GC07	B	06/28/22 12:55
QC997362	TCMX (PCB)	SVOA-GC07	B	06/28/22 12:55
QC997362	Decachlorobiphenyl (PCB)	SVOA-GC07	B	06/28/22 12:55
QC997363	Aroclor-1016	SVOA-GC07	B	06/28/22 13:13
QC997363	Aroclor-1260	SVOA-GC07	B	06/28/22 13:13
QC997363	TCMX (PCB)	SVOA-GC07	B	06/28/22 13:13
QC997363	Decachlorobiphenyl (PCB)	SVOA-GC07	B	06/28/22 13:13

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	464779-002	Client ID:	ARCH-C1W-PS-5.5-220623-P-G
Seqnum:	462258436025.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_062822025	Batch:	291960	Time:	28-JUN-2022 17:54
Cal:	462252739001	Caldate:	25-JUN-2022		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	8.409	ug/L	ND	0.92	138%	1.0		u
Aroclor-1016 Peak # 1	B	18.02	ug/L	0.36	1.14	104%			
Aroclor-1016 Peak # 2	B	1.160	ug/L	0.02	0.02	15%			
Aroclor-1016 Peak # 3	B	20.53	ug/L	0.41	2.05	133%			
Aroclor-1016 Peak # 4	B	1.339	ug/L	0.03	0.15	139%			
Aroclor-1016 Peak # 5	B	0.9948	ug/L	0.02	1.23	194%			
Aroclor-1221	B			ND			1.0		u
Aroclor-1232	B			ND			1.0		u
Aroclor-1242	B			ND			1.0		u
Aroclor-1248	B			ND			1.0		u
Aroclor-1254	B			ND			1.0		u
Aroclor-1260	B	6.394	ug/L	ND	0.38	100%	1.0		u
Aroclor-1260 Peak # 1	B	4.552	ug/L	0.09	0.78	158%			
Aroclor-1260 Peak # 2	B	16.64	ug/L	0.33	0.04	156%			
Aroclor-1260 Peak # 3	B	2.138	ug/L	0.04	0.02	94%			
Aroclor-1260 Peak # 4	B	0	ug/L	ND	0.46				
Aroclor-1260 Peak # 5	B	8.646	ug/L	0.17	0.62	113%			
Aroclor-1268	B			ND			1.0		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	32.42	pg/uL	1.000	0.6484	65	52-186	u
Decachlorobiphenyl (PCB)	B	31.62	pg/uL	1.000	0.6324	63	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_062822004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1389469	1710267	23.09
1-bromo-2-nitrobenzene (PCB)	A	5233508	5849045	11.76

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_062822004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.25	4.25	0.00

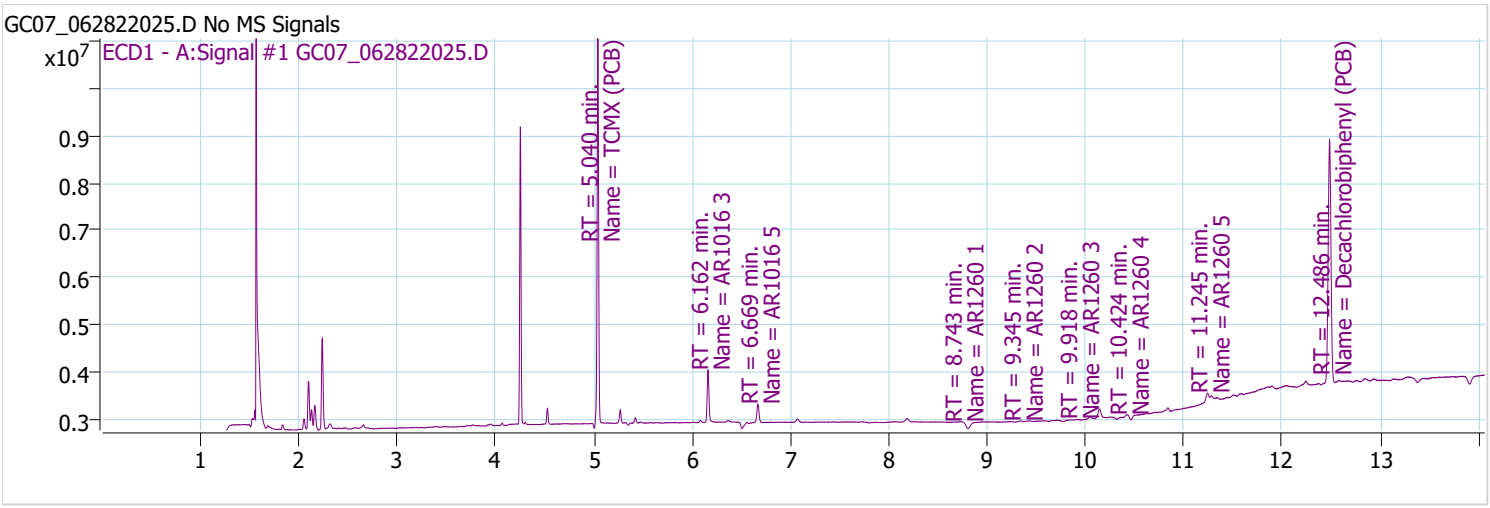
u=use

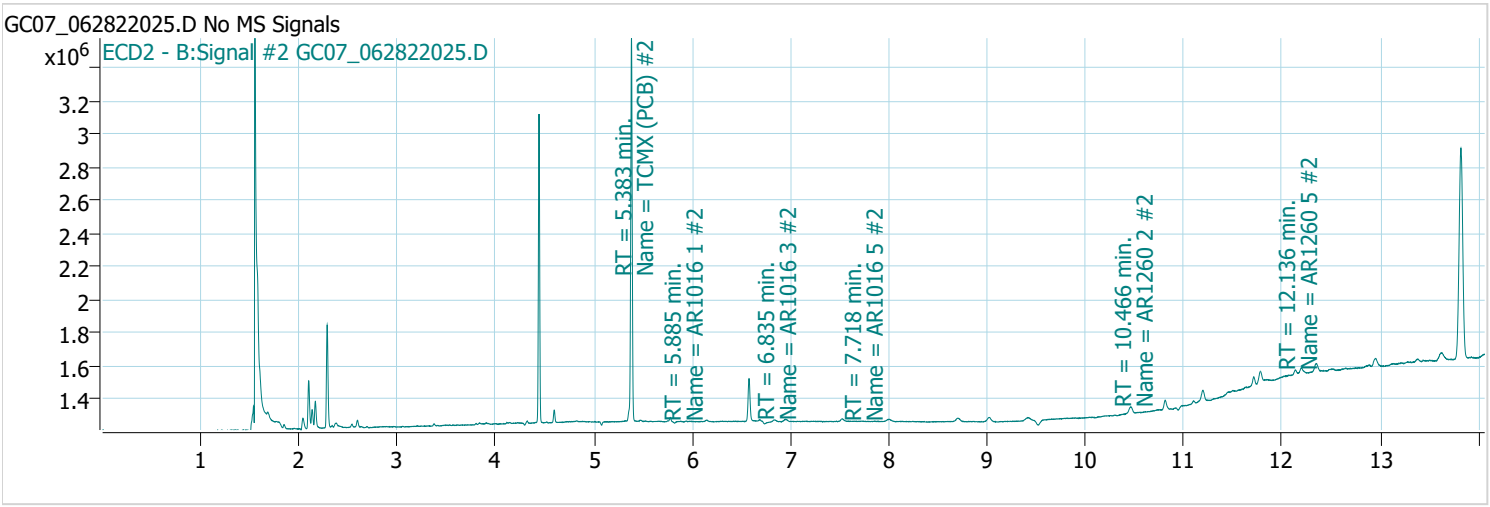
Analyst: TRN 06/29/22 *

Reviewer: SLL 06/29/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC07_062822025.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/28/2022 5:54:05 PM
Sample Name	464779-002, 291960, 1	Instrument	SVOA-GC07
Vial	19	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_2.m	Comment	Wipe/1s-20ml//3580 method
Tune File	ATUNE.U	Tune Date	
Batch Name	062822PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



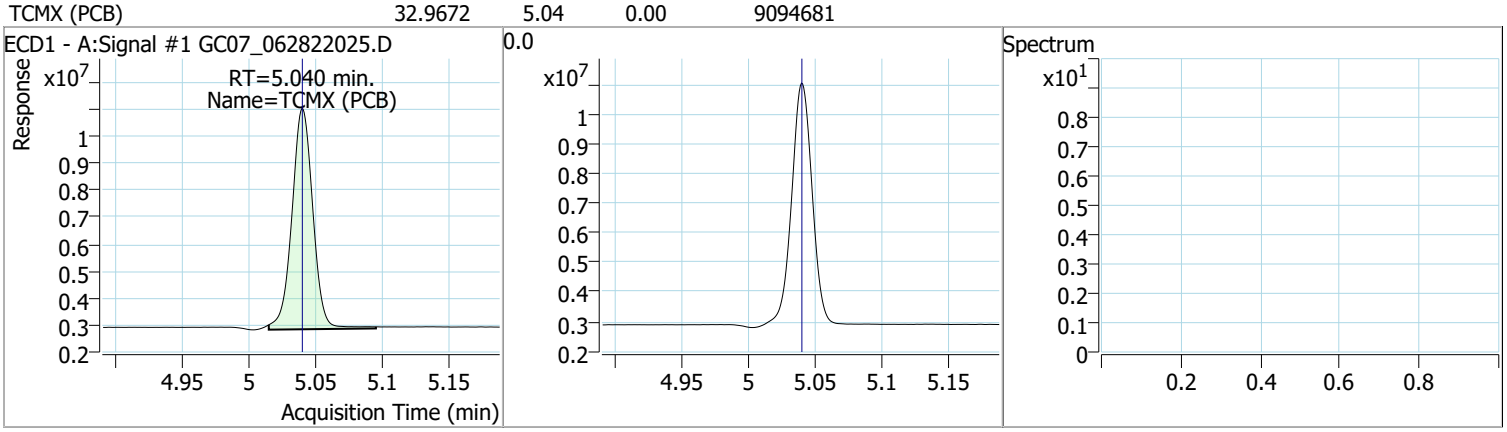


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.252	0.0	5849045.499	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.442	0.0	1710266.747	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.040	0.0	9094680.874	32.9672	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 164.84%		*	
S TCMX (PCB) #2	5.383	0.0	2514755.218	32.3997	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 162.00%		*	
S Decachlorobiphenyl (PCB)	12.486	0.0	10291817.559	31.4990	ng/ml		-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 157.49%		*	
S Decachlorobiphenyl (PCB) #2	13.823	0.0	3328417.878	31.6050	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 158.03%		*	
Target Compounds							QValue

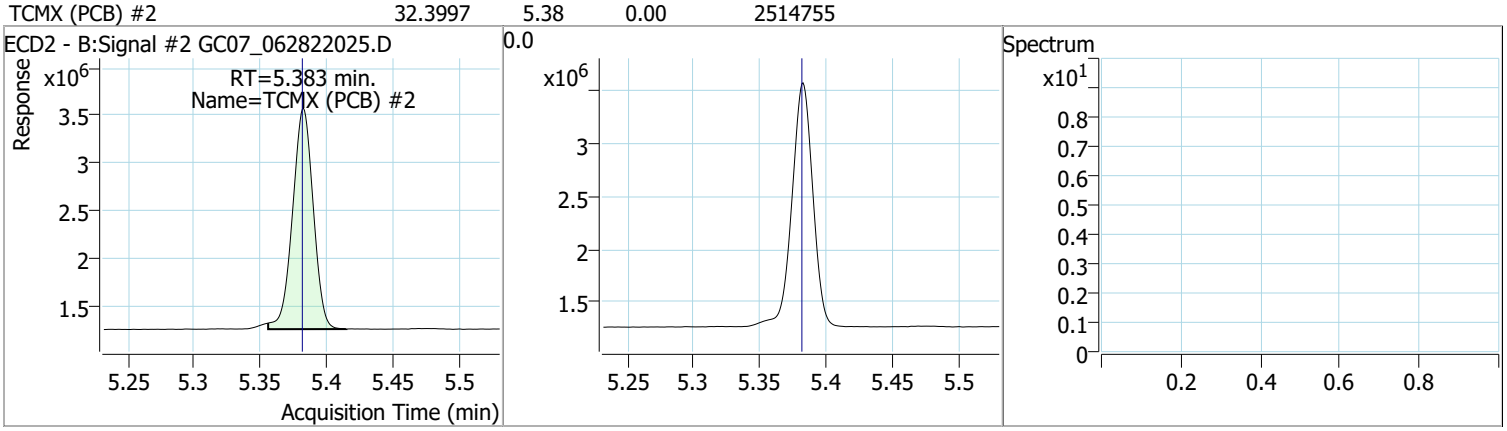
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.423	0.0	320343.223	57.0883	ng/ml	100
T AR1016 2	5.716	0.0	12123.827	0.9969	ng/ml	100
T AR1016 1 #2	5.885	0.0	31025.836	18.0139	ng/ml	100
T AR1016 3	6.162	0.0	1445856.175	102.6667	ng/ml	100
T AR1016 2 #2	6.310	0.0	4349.876	1.1598	ng/ml	100
T AR1016 4	6.366	0.0	75670.325	7.4720	ng/ml	100
T AR1016 5	6.669	0.0	516943.503	61.2808	ng/ml	100
T AR1016 3 #2	6.835	0.0	88253.037	20.5144	ng/ml	100
T AR1016 4 #2	7.068	0.0	3996.632	1.3386	ng/ml	100
T AR1016 5 #2	7.718	0.0	2479.929	0.9943	ng/ml	100
T AR1260 1	8.743	0.0	694303.906	38.9752	ng/ml	100
T AR1260 2	9.345	0.0	52165.774	2.0399	ng/ml	100
T AR1260 3	9.918	0.0	19849.525	0.7660	ng/ml	100
T AR1260 1 #2	10.238	0.0	24642.278	4.5495	ng/ml	100
T AR1260 4	10.424	0.0	303687.051	22.9239	ng/ml	100
T AR1260 2 #2	10.466	0.0	100058.756	16.6273	ng/ml	100
T AR1260 3 #2	10.914	0.0	15823.906	2.1364	ng/ml	100
T AR1260 5	11.245	0.0	379622.894	31.2126	ng/ml	100
T AR1260 4 #2	0.000		0	N.D.		
T AR1260 5 #2	12.136	0.0	51601.265	8.6406	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

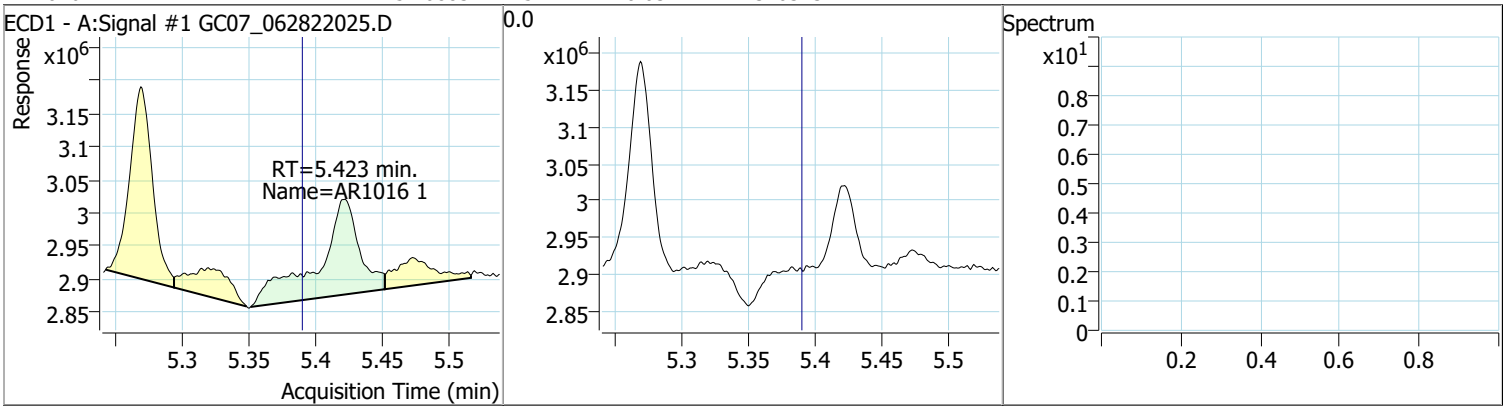
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	32.9672	5.04	0.00	9094681				



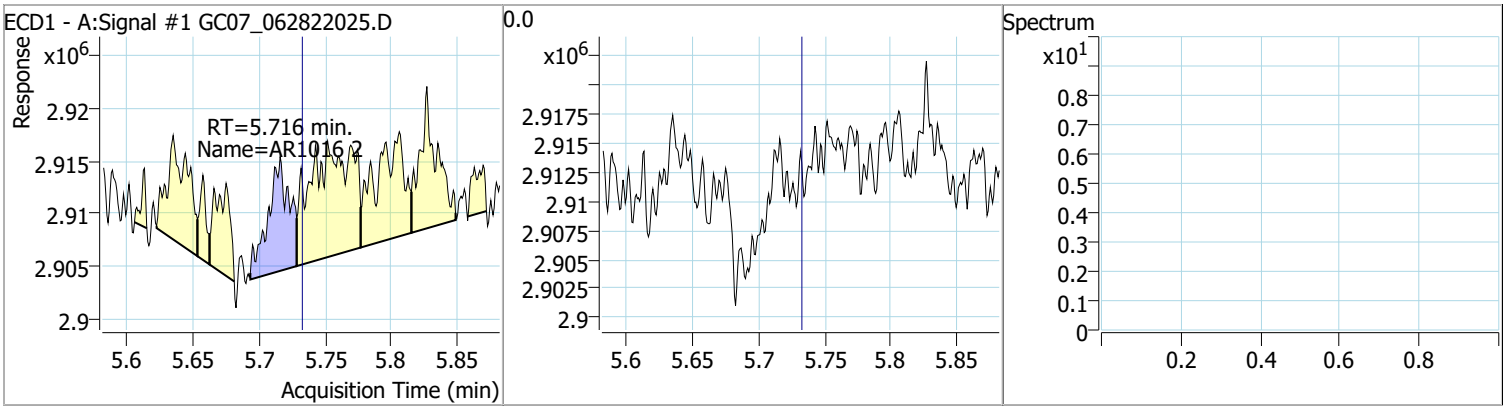
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	32.3997	5.38	0.00	2514755				



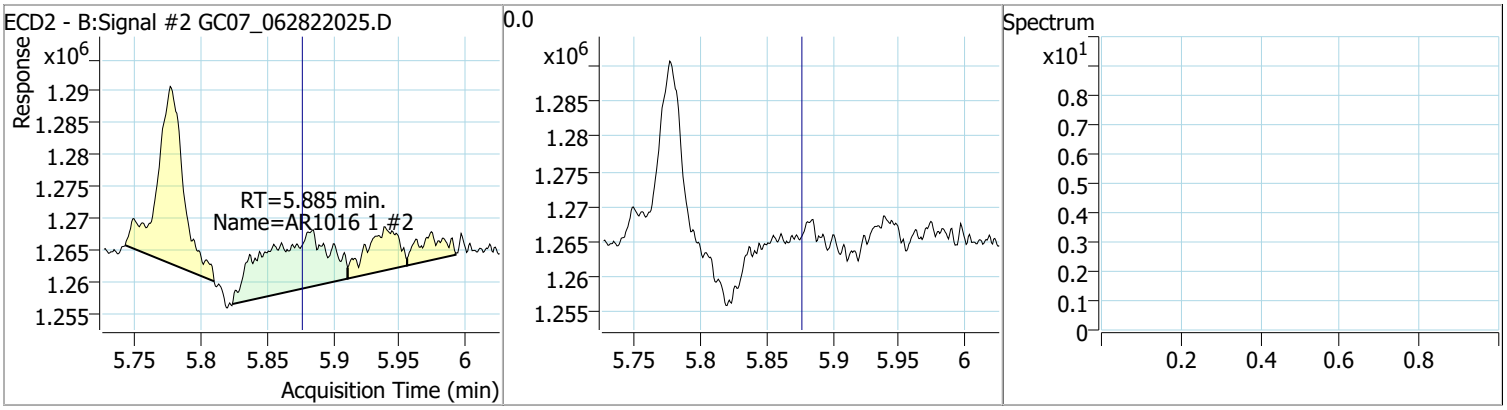
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	57.0883	5.42	0.03	320343				



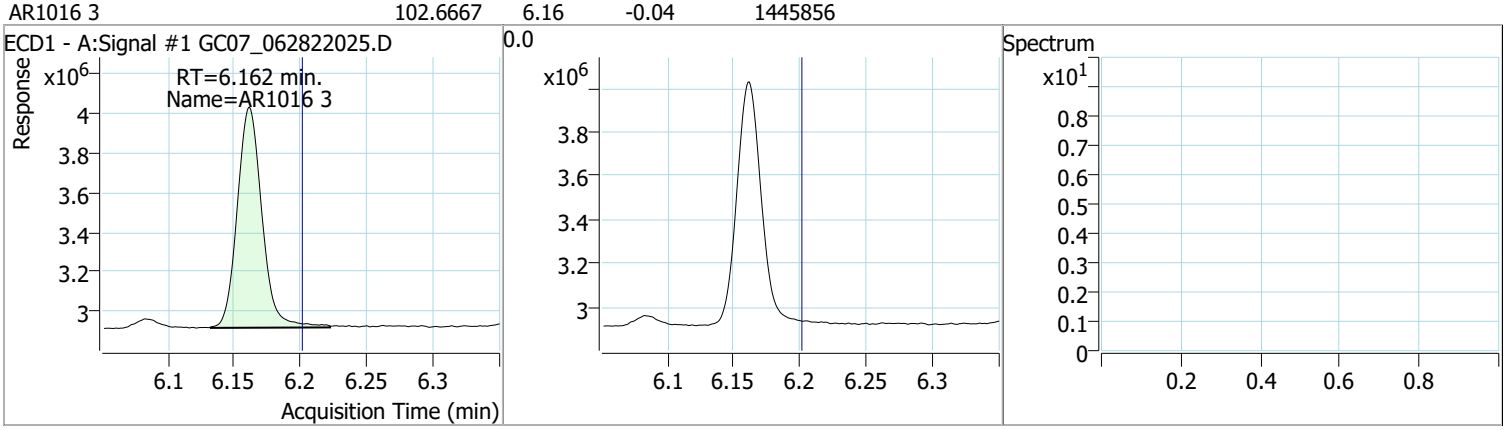
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.9969	5.72	-0.02	12124				



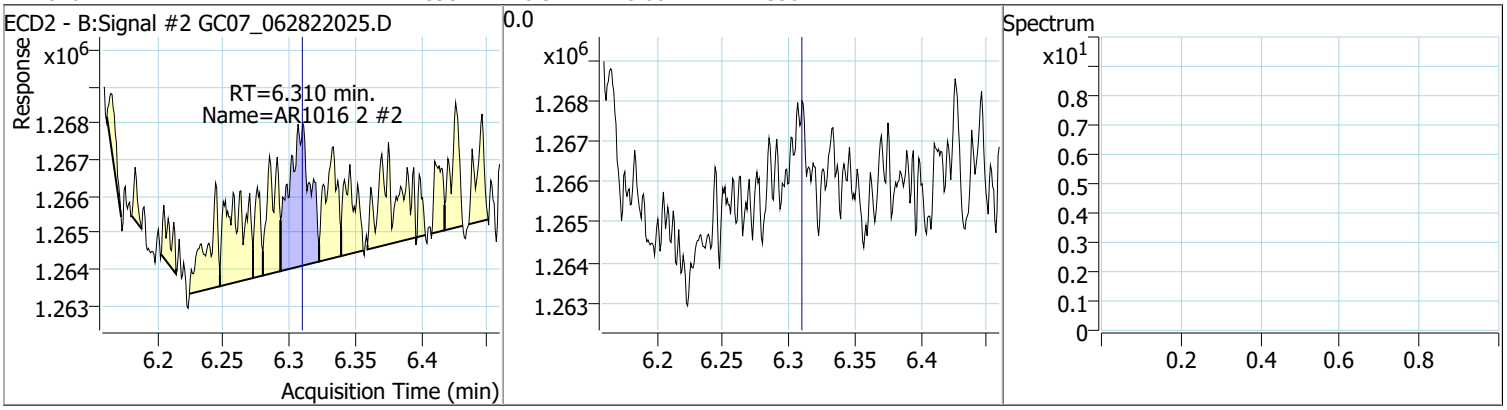
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	18.0139	5.89	0.01	31026				



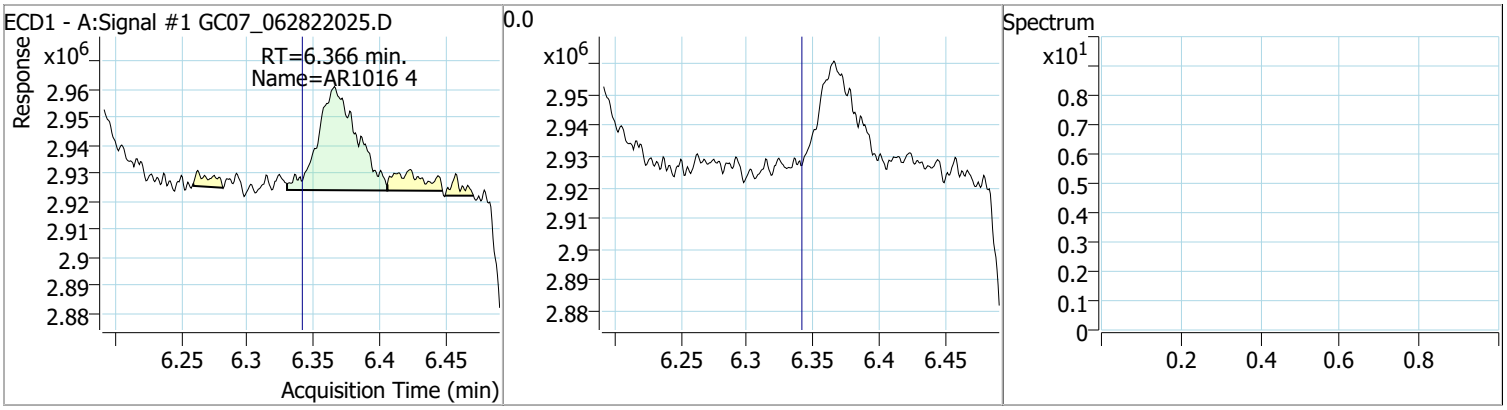
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	102.6667	6.16	-0.04	1445856				



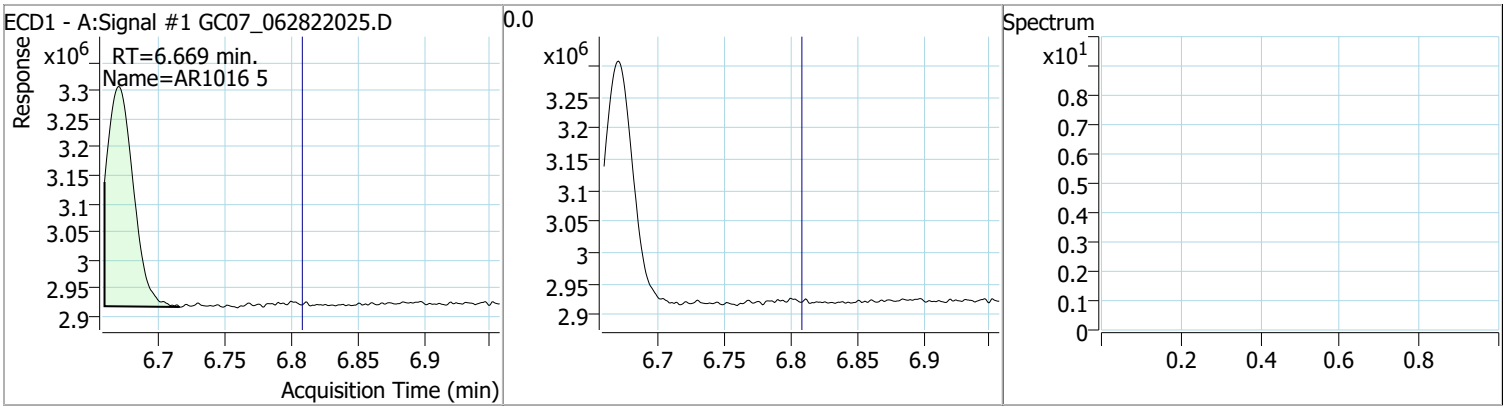
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1.1598	6.31	0.00	4350				



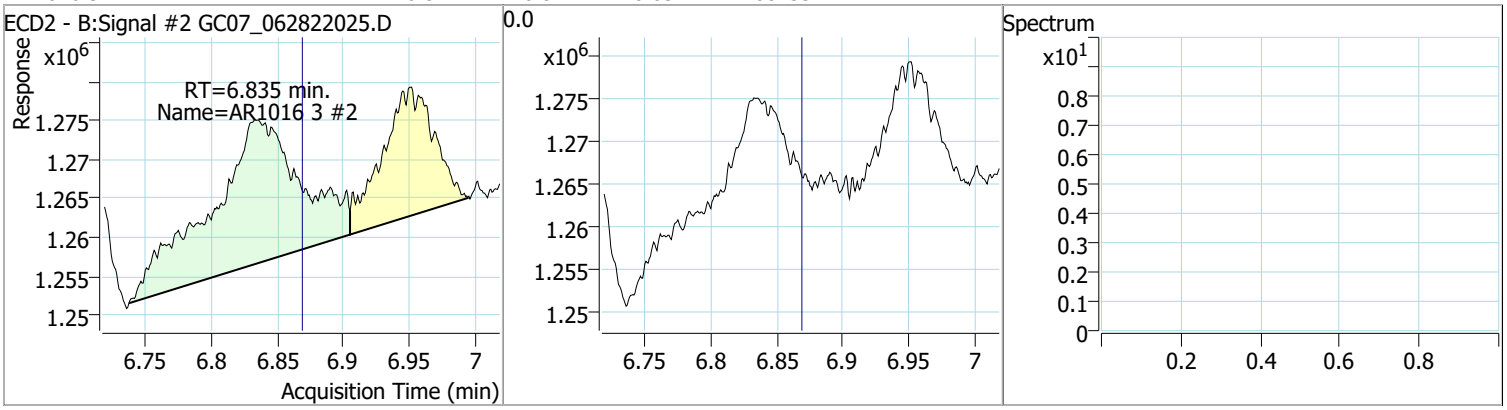
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	7.4720	6.37	0.02	75670				



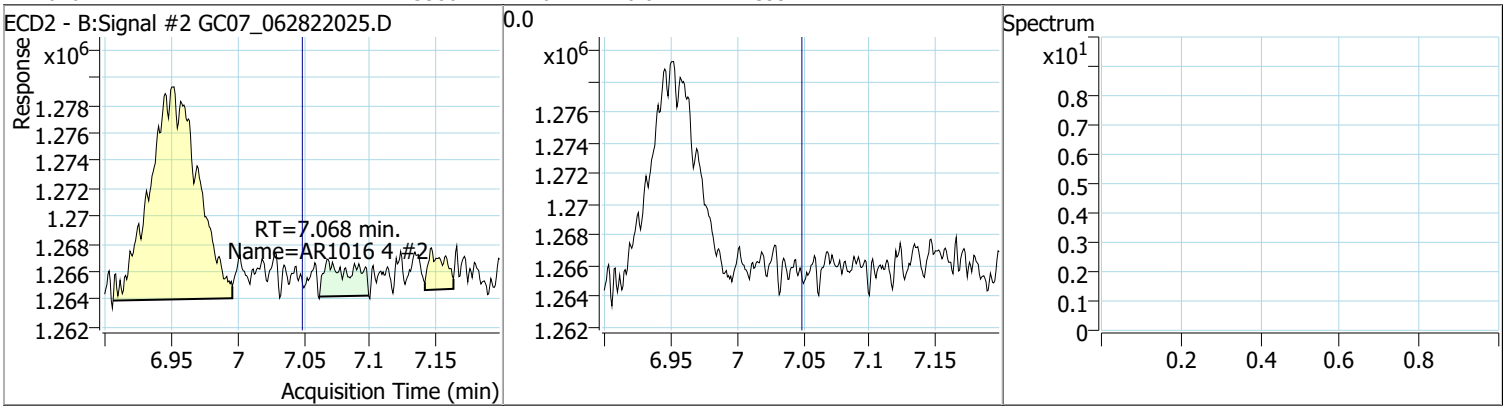
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	61.2808	6.67	-0.14	516944				



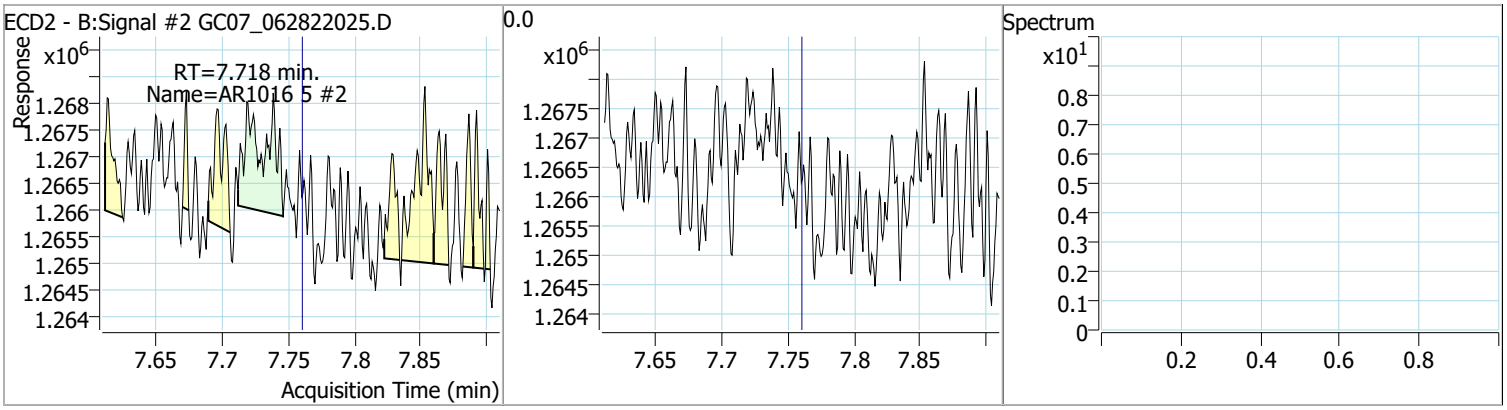
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	20.5144	6.84	-0.03	88253				



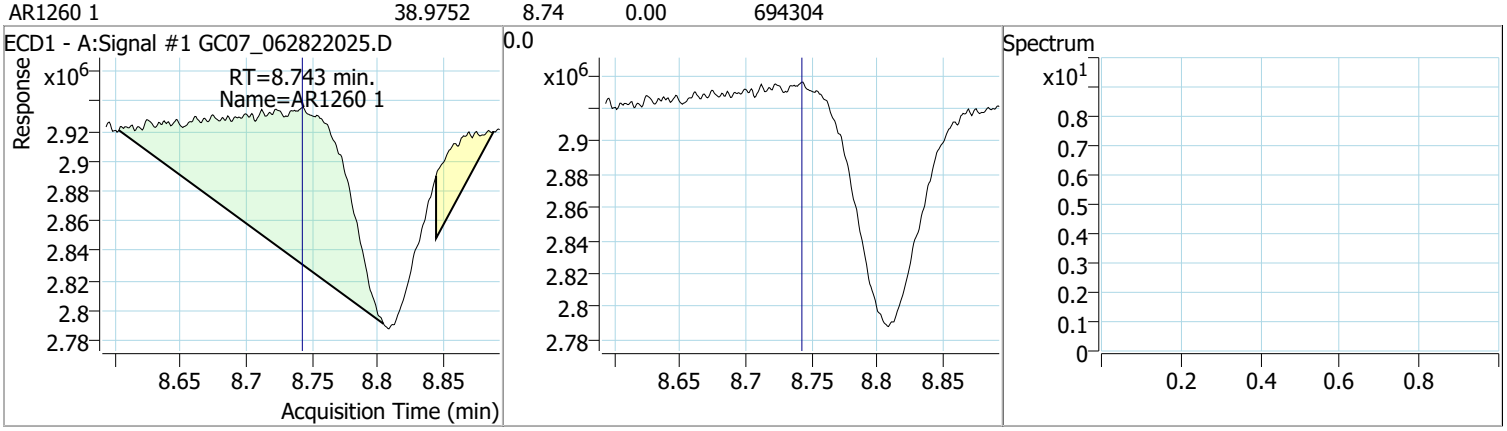
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1.3386	7.07	0.02	3997				



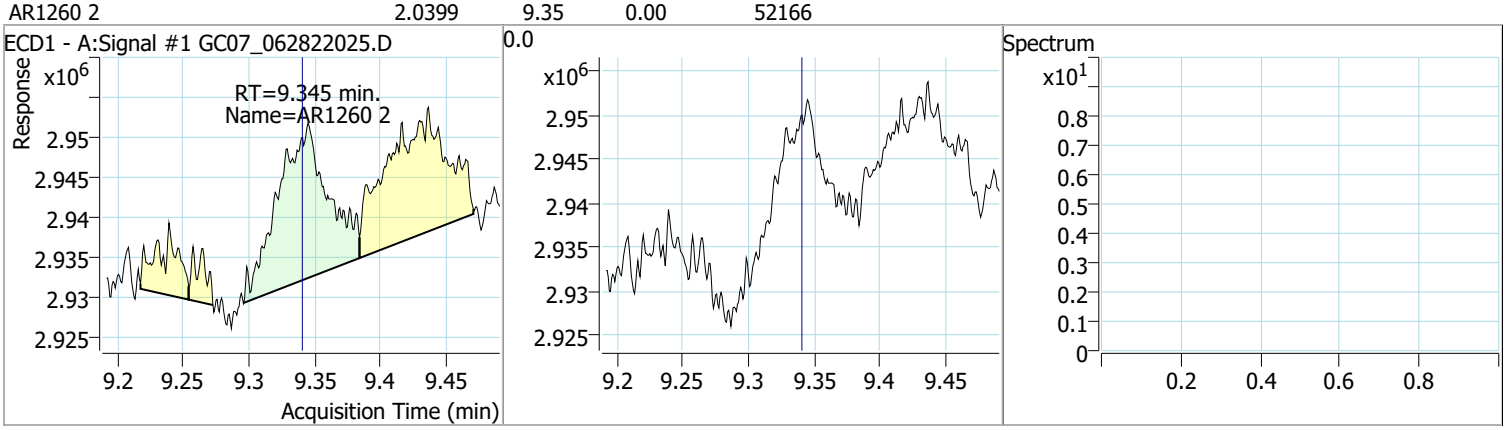
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.9943	7.72	-0.04	2480				



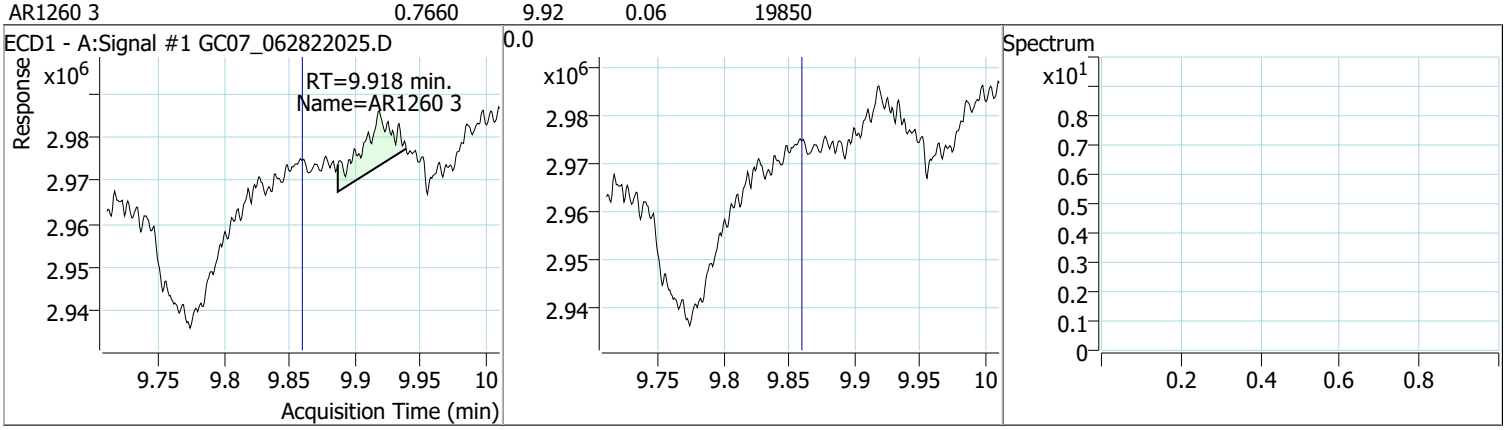
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	38.9752	8.74	0.00	694304				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2.0399	9.35	0.00	52166				

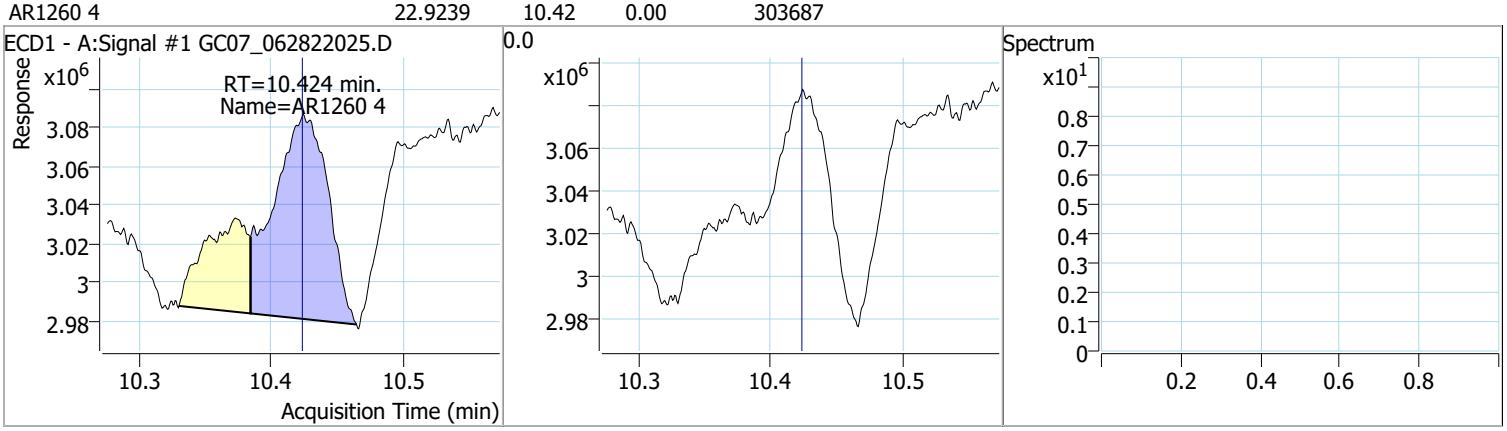


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	0.7660	9.92	0.06	19850				

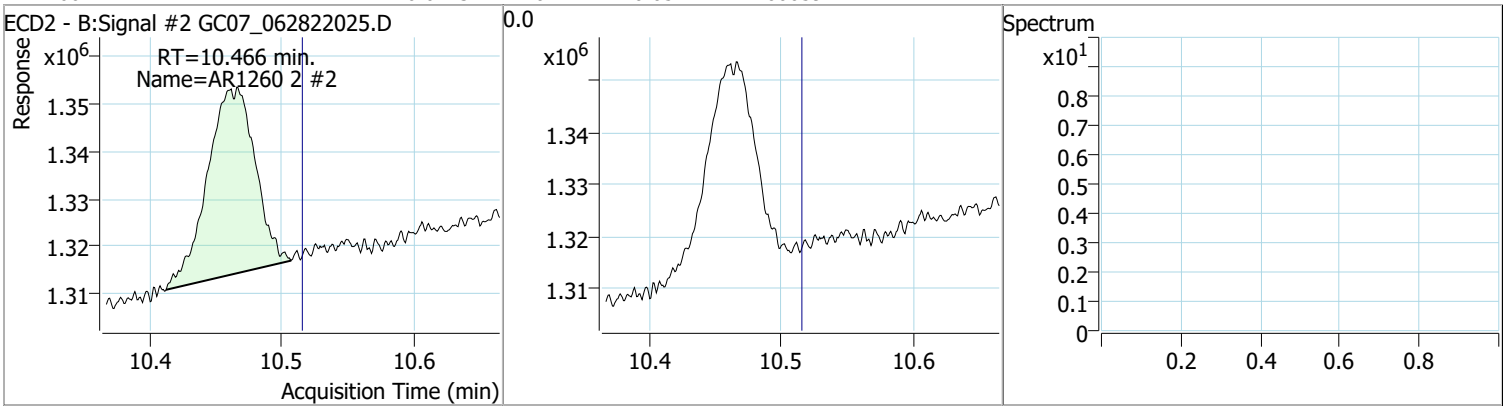


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	4.5495	10.24	0.02	24642				

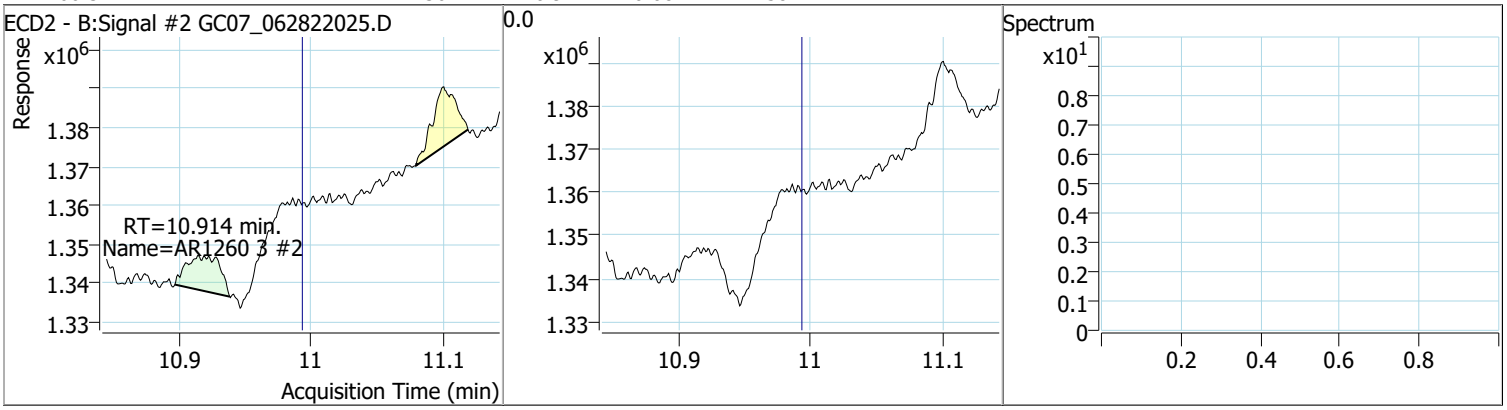
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	22.9239	10.42	0.00	303687				



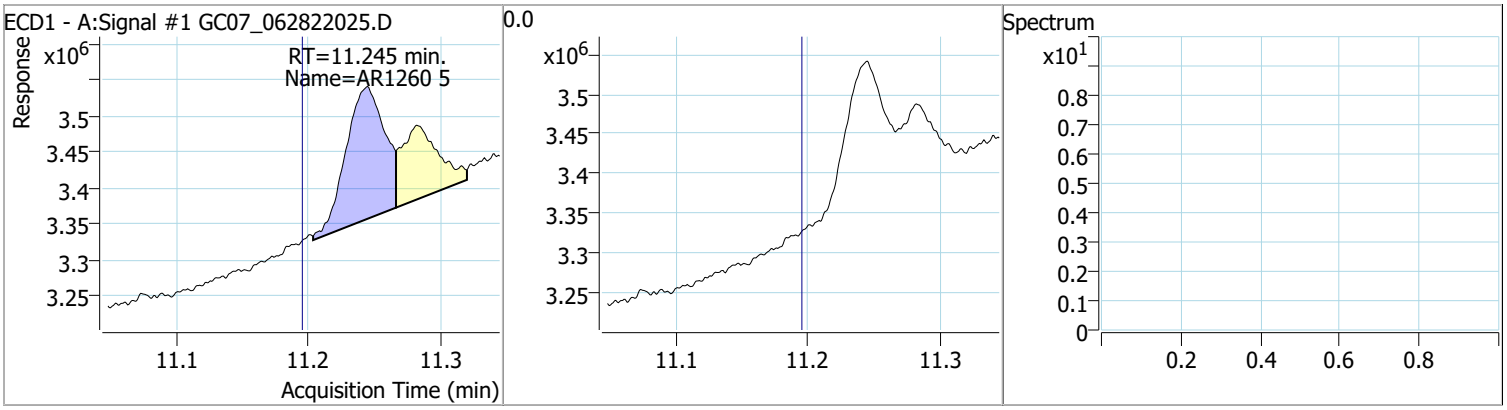
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	16.6273	10.47	-0.05	100059				



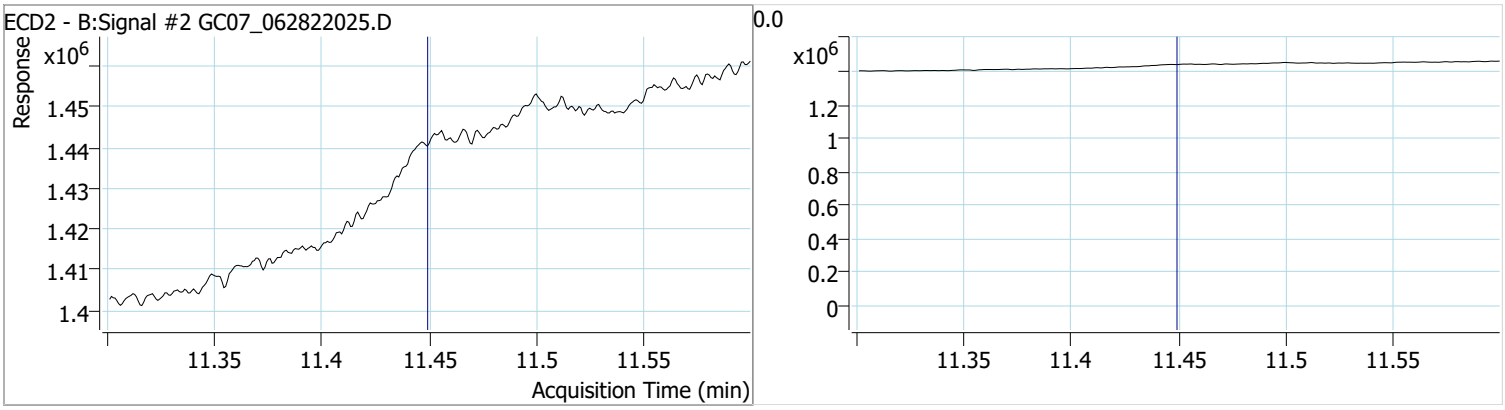
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	2.1364	10.91	-0.08	15824				



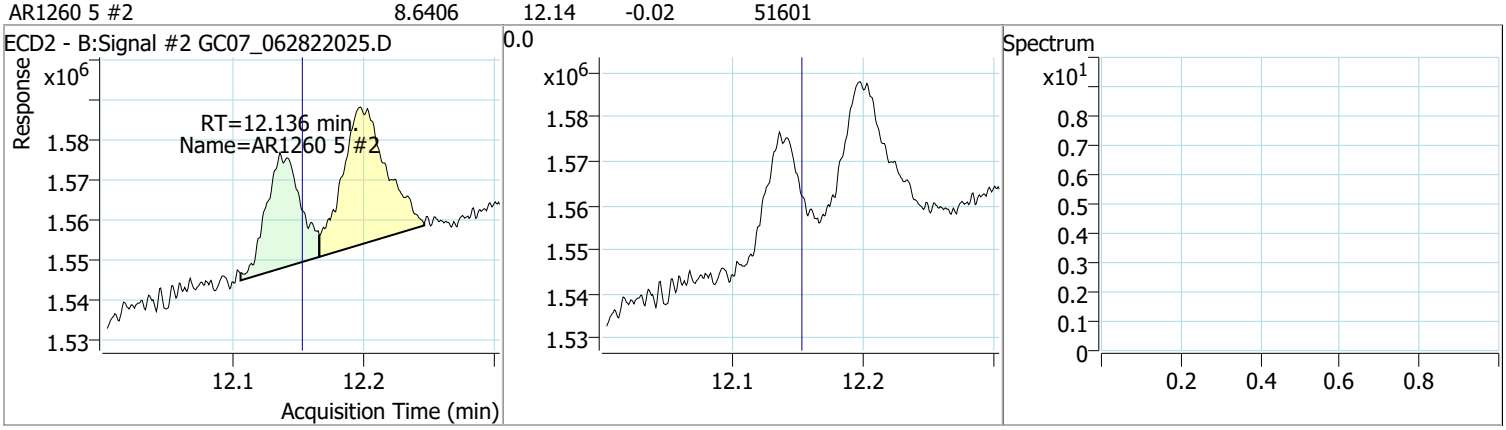
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	31.2126	11.25	0.05	379623				



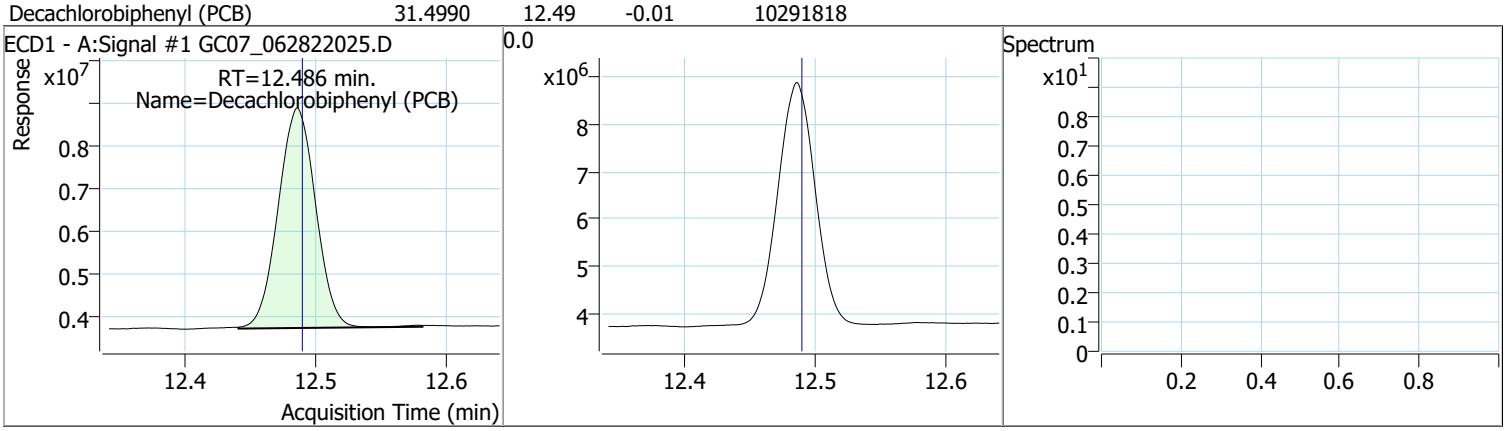
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 4 #2	N.D.	11.45		



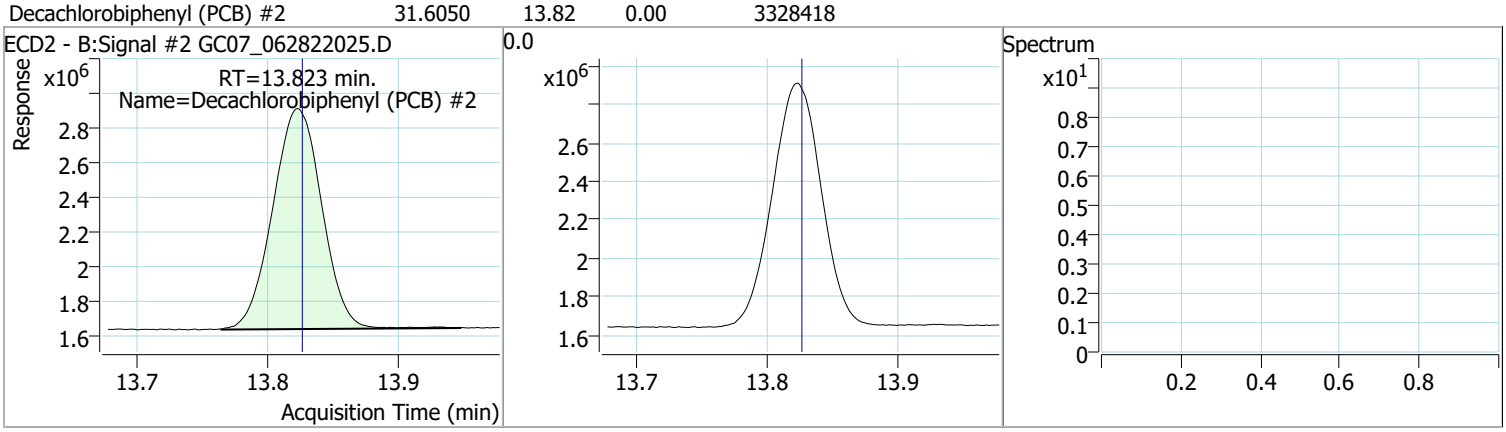
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	8.6406	12.14	-0.02	51601				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	31.4990	12.49	-0.01	10291818				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	31.6050	13.82	0.00	3328418				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	464779-003	Client ID:	ARCH-C1W-PS-5.5-220623-P-DUP-G
Seqnum:	462258436028.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_062822028	Batch:	291960	Time:	28-JUN-2022 18:46
Cal:	462252739001	Caldate:	25-JUN-2022		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	8.184	ug/L	ND	0.50	101%	1.0		u
Aroclor-1016 Peak # 1	B	18.93	ug/L	0.38	1.09	97%			
Aroclor-1016 Peak # 2	B	0.1978	ug/L	0.00	0.03	158%			
Aroclor-1016 Peak # 3	B	20.25	ug/L	0.41	1.31	105%			
Aroclor-1016 Peak # 4	B	1.115	ug/L	0.02	0.01	67%			
Aroclor-1016 Peak # 5	B	0.4210	ug/L	0.01	0.05	141%			
Aroclor-1221	B			ND			1.0		u
Aroclor-1232	B			ND			1.0		u
Aroclor-1242	B			ND			1.0		u
Aroclor-1248	B			ND			1.0		u
Aroclor-1254	B			ND			1.0		u
Aroclor-1260	B	8.266	ug/L	ND	0.41	85%	1.0		u
Aroclor-1260 Peak # 1	B	7.968	ug/L	0.16	0.72	127%			
Aroclor-1260 Peak # 2	B	2.294	ug/L	0.05	0.06	26%			
Aroclor-1260 Peak # 3	B	5.177	ug/L	0.10	0.06	52%			
Aroclor-1260 Peak # 4	B	10.13	ug/L	0.20	0.65	105%			
Aroclor-1260 Peak # 5	B	15.76	ug/L	0.32	0.57	57%			
Aroclor-1268	B			ND			1.0		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	28.79	pg/uL	1.000	0.5758	58	52-186	u
Decachlorobiphenyl (PCB)	B	26.29	pg/uL	1.000	0.5258	53	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221)

ISTD (CCV gc07_062822004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1389469	1454182	4.66
1-bromo-2-nitrobenzene (PCB)	A	5233508	5011612	-4.24

ISTD (ICAL gc07_062822026)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	1445468	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1254)	A	5189113	**???**	**-100.00 ***

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221)

ISTD (CCV gc07_062822004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.25	4.25	0.00

ISTD (ICAL gc07_062822026)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1254)	B	4.44	**???**	
1-bromo-2-nitrobenzene (1254)	A	4.25	**???**	

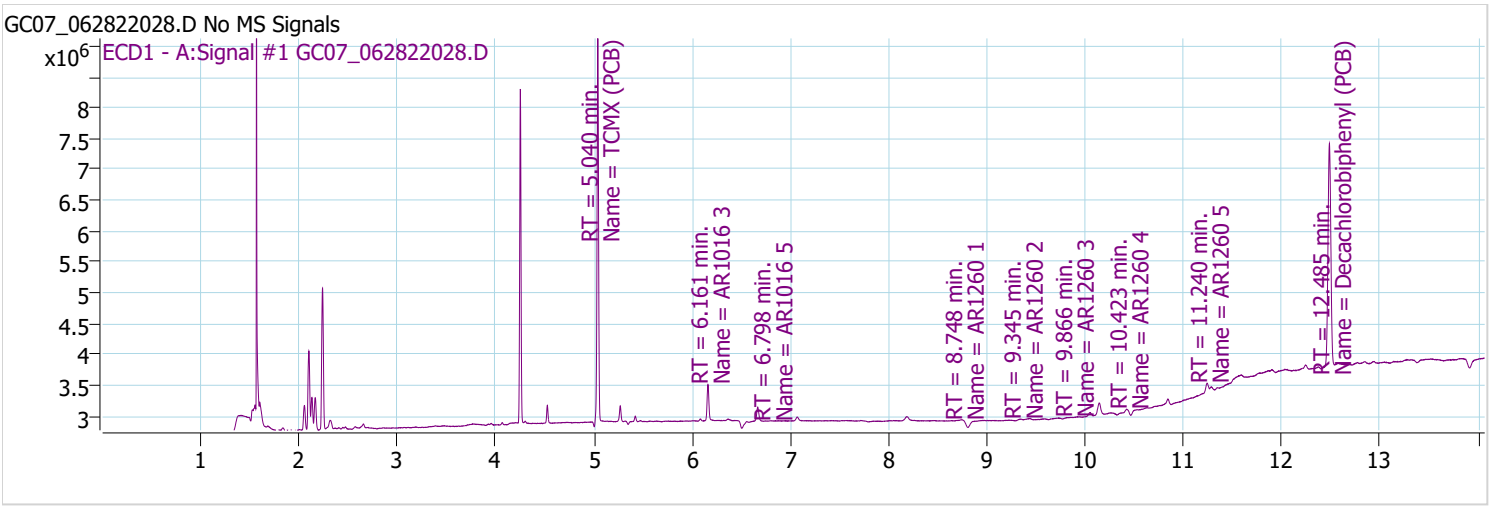
u=use

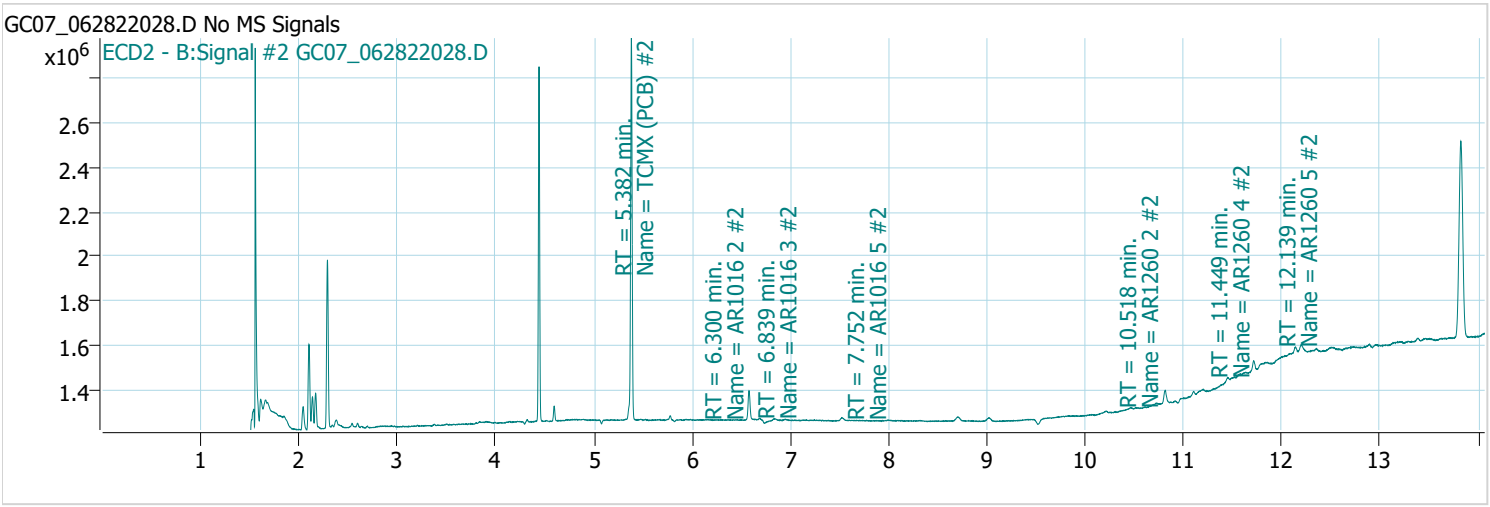
Analyst: TRN 06/29/22 *

Reviewer: SLL 06/29/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC07_062822028.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/28/2022 6:46:45 PM
Sample Name	464779-003, 291960, 1	Instrument	SVOA-GC07
Vial	20	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_2.m	Comment	Wipe/1s-20ml//3580 method
Tune File	ATUNE.U	Tune Date	
Batch Name	062822PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



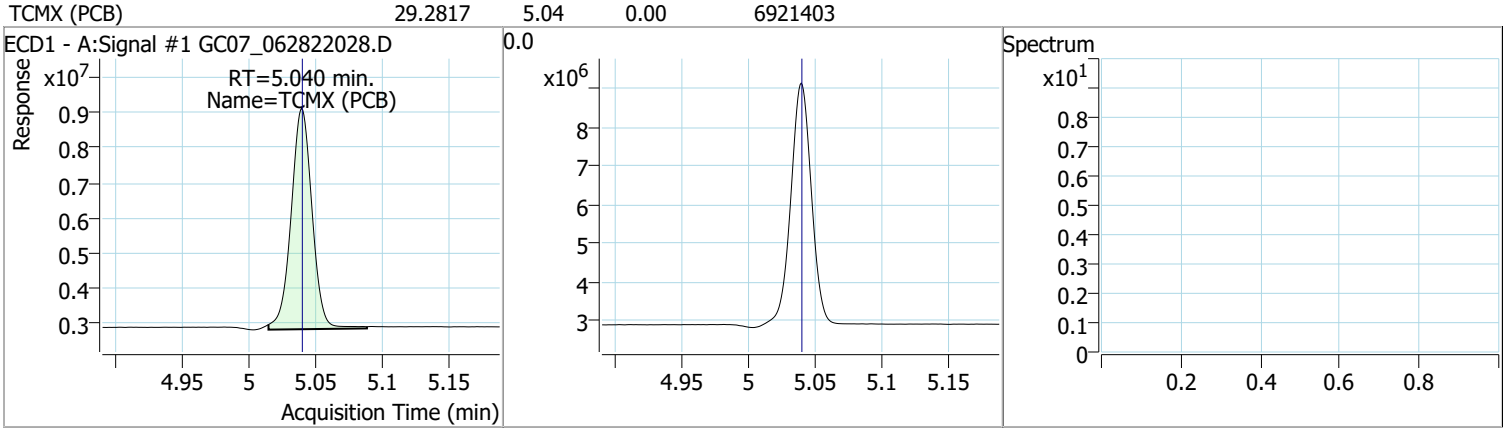


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.252	0.0	5011611.930	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.442	0.0	1454181.889	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.040	0.0	6921403.400	29.2817	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 146.41%		
S TCMX (PCB) #2	5.382	0.0	1898785.755	28.7718	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 143.86%		
S Decachlorobiphenyl (PCB)	12.485	0.0	7510719.847	26.8283	ng/ml	-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 134.14%		
S Decachlorobiphenyl (PCB) #2	13.823	0.0	2352790.170	26.2752	ng/ml	-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 131.38%		
Target Compounds						QValue

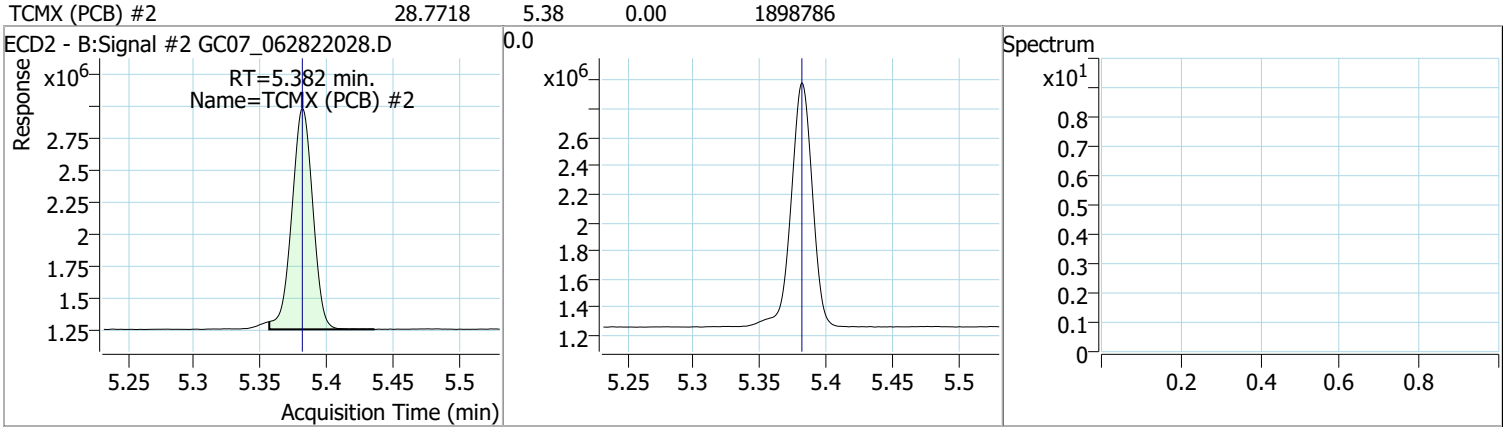
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.422	0.0	262225.953	54.5400	ng/ml	100
T AR1016 2	5.725	0.0	17673.930	1.6961	ng/ml	100
T AR1016 1 #2	5.844	0.0	27705.939	18.9192	ng/ml	100
T AR1016 3	6.161	0.0	787440.851	65.2574	ng/ml	100
T AR1016 2 #2	6.300	0.0	630.517	0.1977	ng/ml	100
T AR1016 4	6.319	0.0	4804.926	0.5537	ng/ml	100
T AR1016 5	6.798	0.0	17554.533	2.4287	ng/ml	100
T AR1016 3 #2	6.839	0.0	74045.983	20.2431	ng/ml	100
T AR1016 4 #2	7.044	0.0	2830.161	1.1148	ng/ml	100
T AR1016 5 #2	7.752	0.0	892.266	0.4207	ng/ml	100
T AR1260 1	8.748	0.0	547328.478	35.8586	ng/ml	100
T AR1260 2	9.345	0.0	65537.703	2.9911	ng/ml	100
T AR1260 3	9.866	0.0	67182.482	3.0257	ng/ml	100
T AR1260 1 #2	10.212	0.0	36678.070	7.9641	ng/ml	100
T AR1260 4	10.423	0.0	367058.826	32.3375	ng/ml	100
T AR1260 2 #2	10.518	0.0	11733.336	2.2932	ng/ml	100
T AR1260 3 #2	11.003	0.0	32585.221	5.1740	ng/ml	100
T AR1260 5	11.240	0.0	295164.636	28.3237	ng/ml	100
T AR1260 4 #2	11.449	0.0	35778.529	10.1256	ng/ml	100
T AR1260 5 #2	12.139	0.0	79974.888	15.7501	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

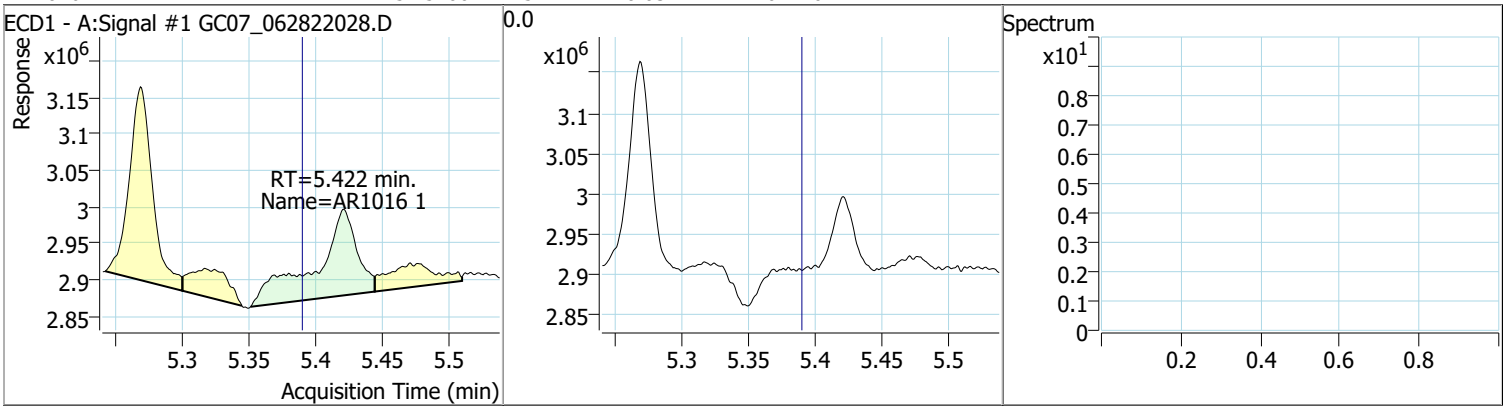
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	29.2817	5.04	0.00	6921403				



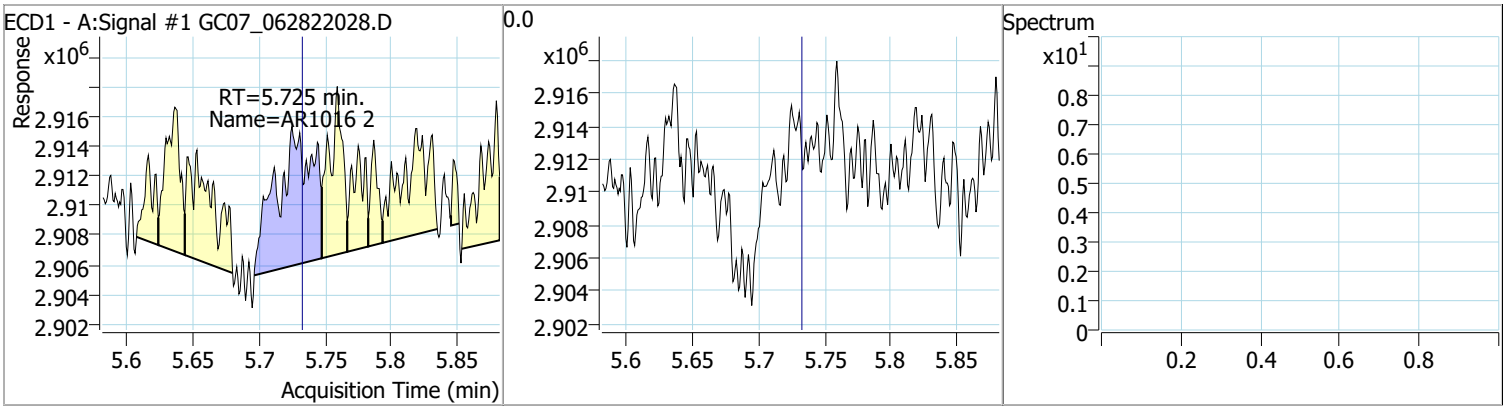
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	28.7718	5.38	0.00	1898786				



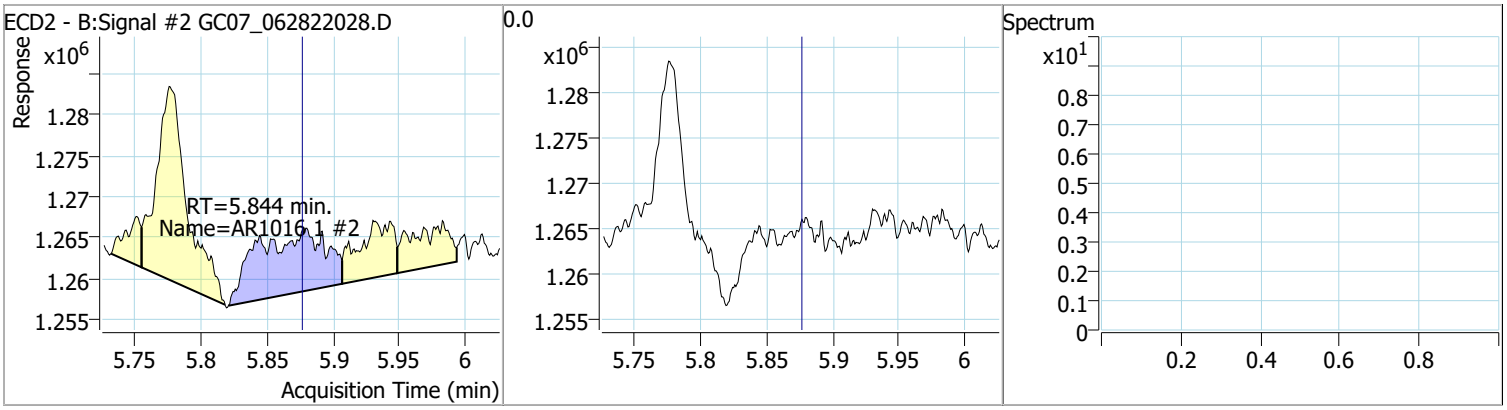
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	54.5400	5.42	0.03	262226				



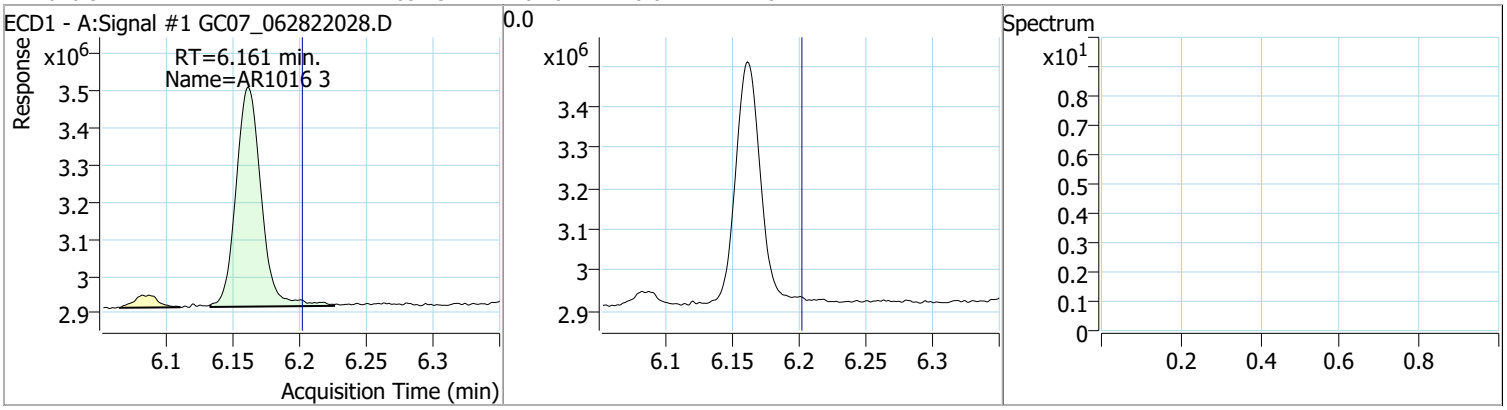
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1.6961	5.73	-0.01	17674				



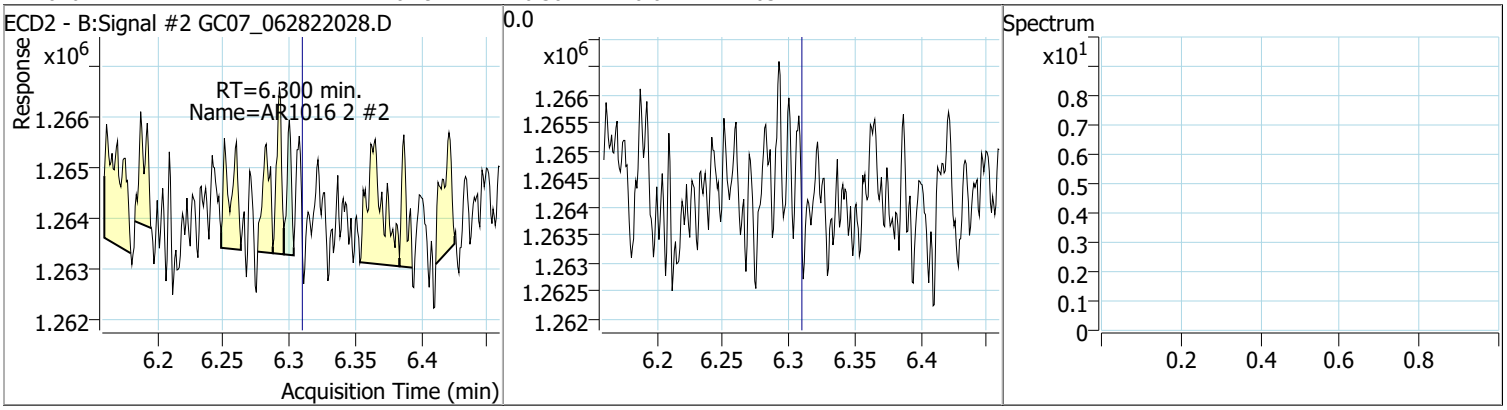
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	18.9192	5.84	-0.03	27706				



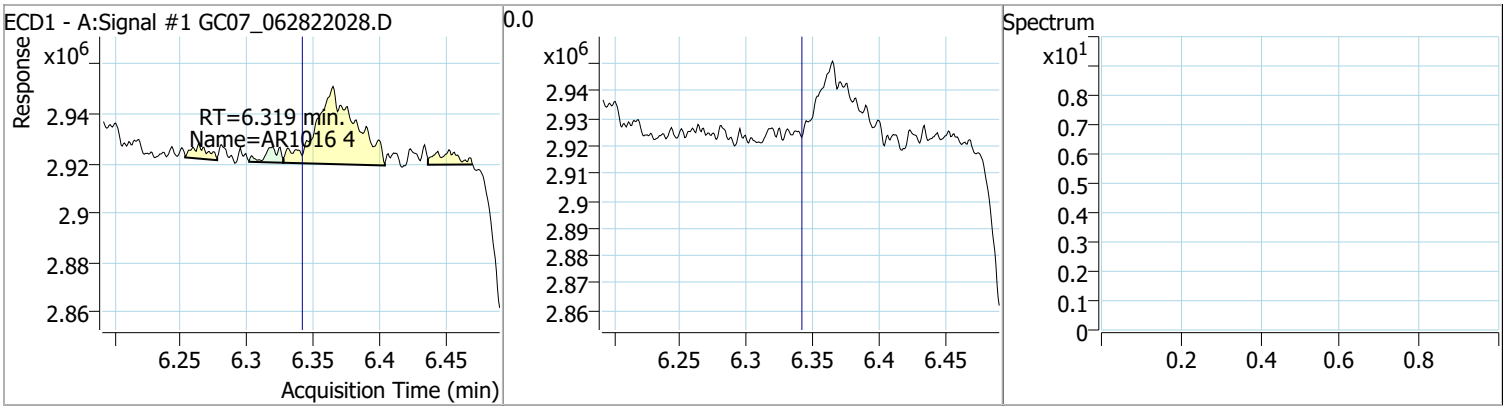
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	65.2574	6.16	-0.04	787441				



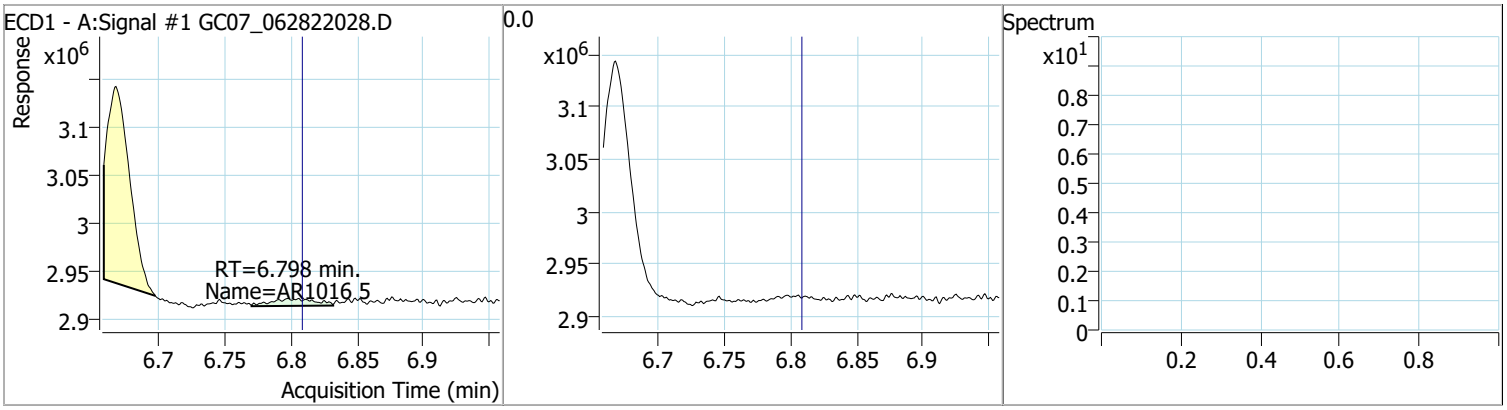
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	0.1977	6.30	-0.01	631				



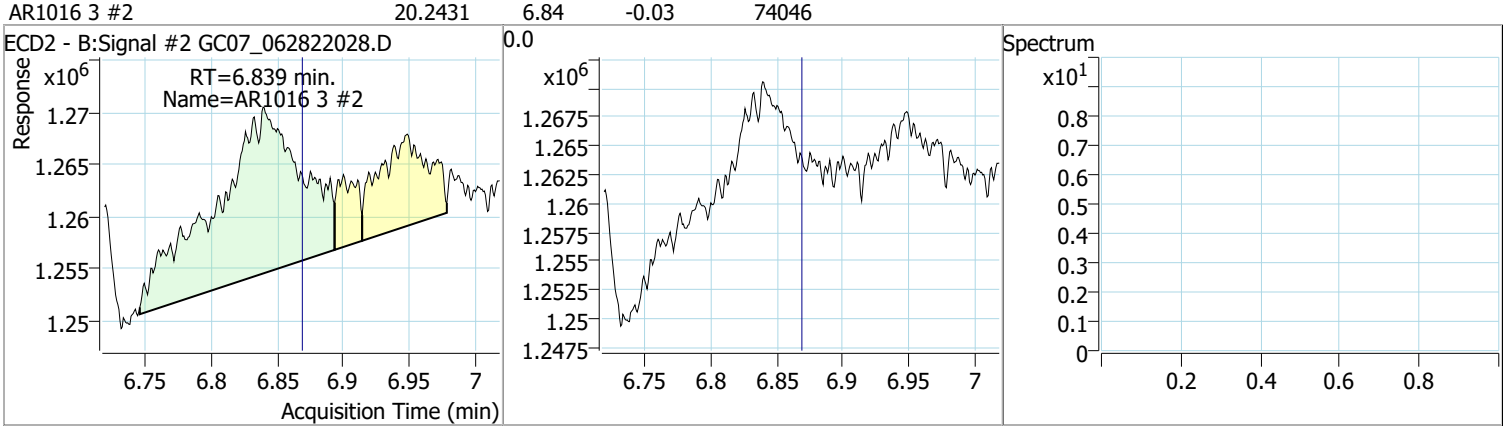
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	0.5537	6.32	-0.02	4805				



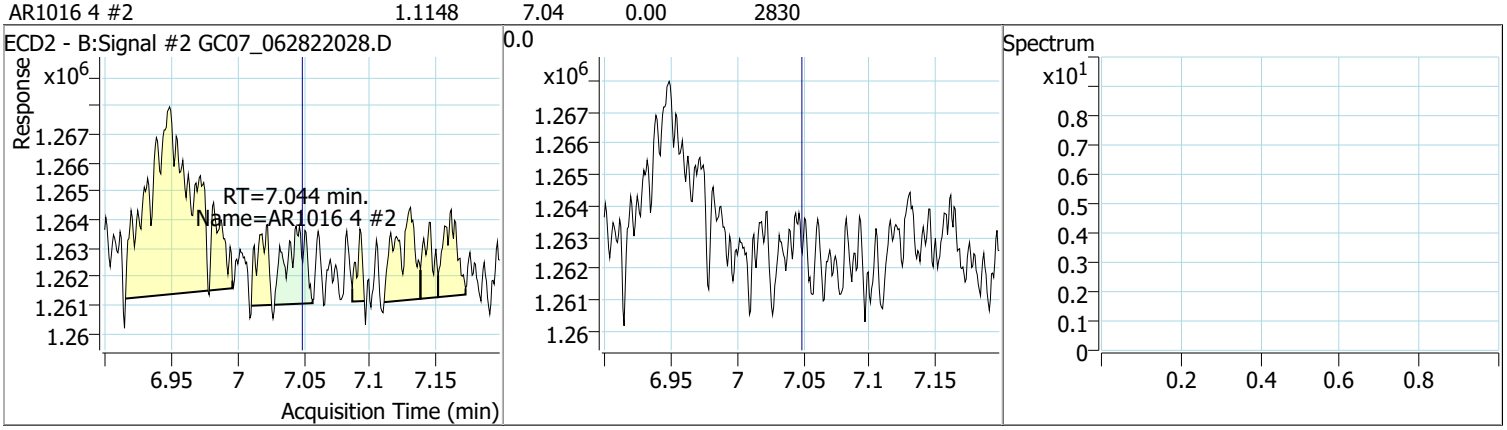
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	2.4287	6.80	-0.01	17555				



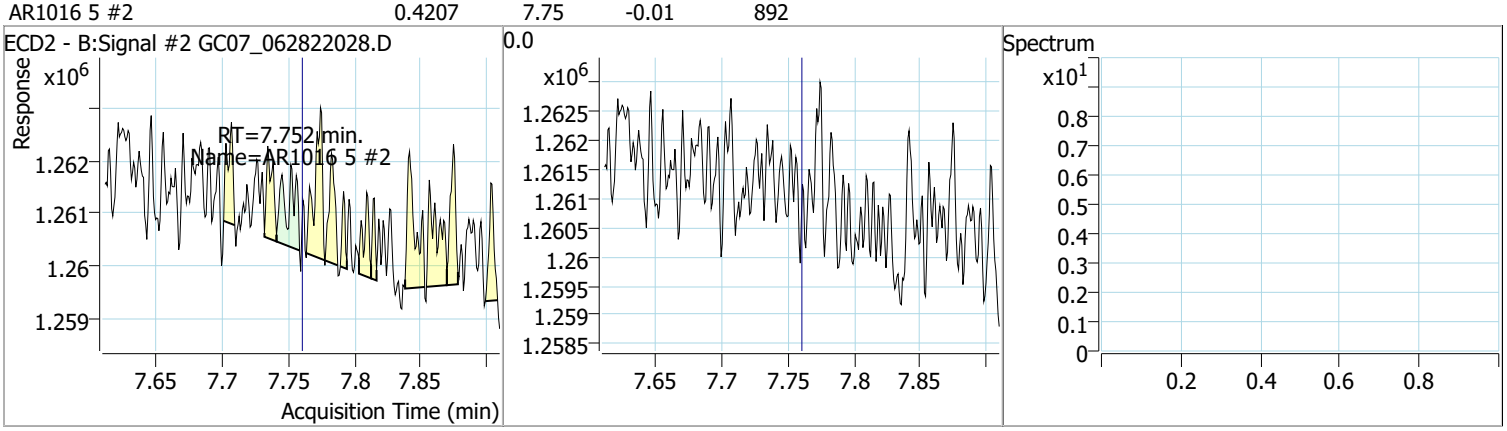
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	20.2431	6.84	-0.03	74046				



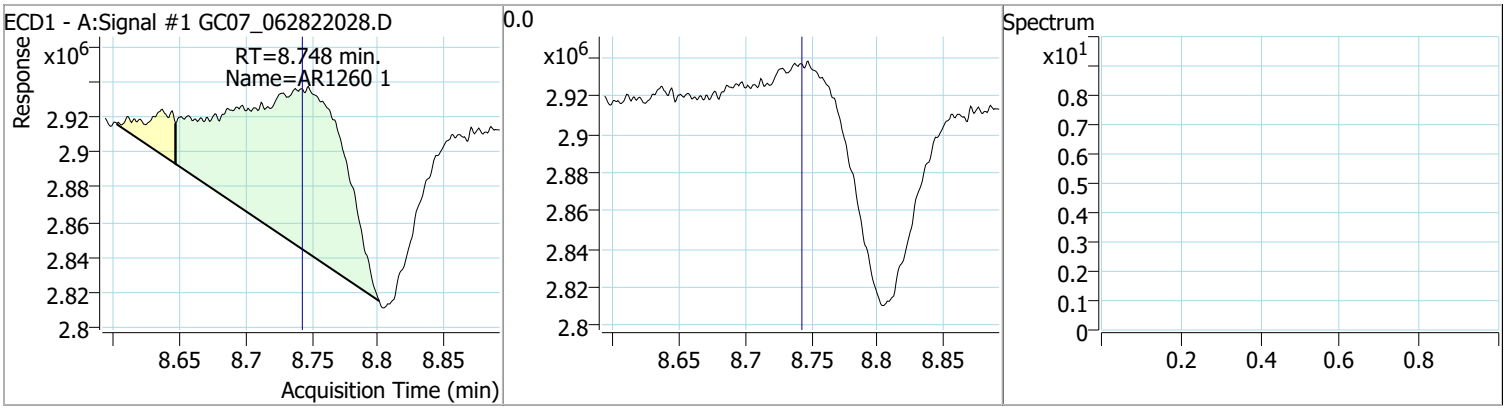
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1.1148	7.04	0.00	2830				



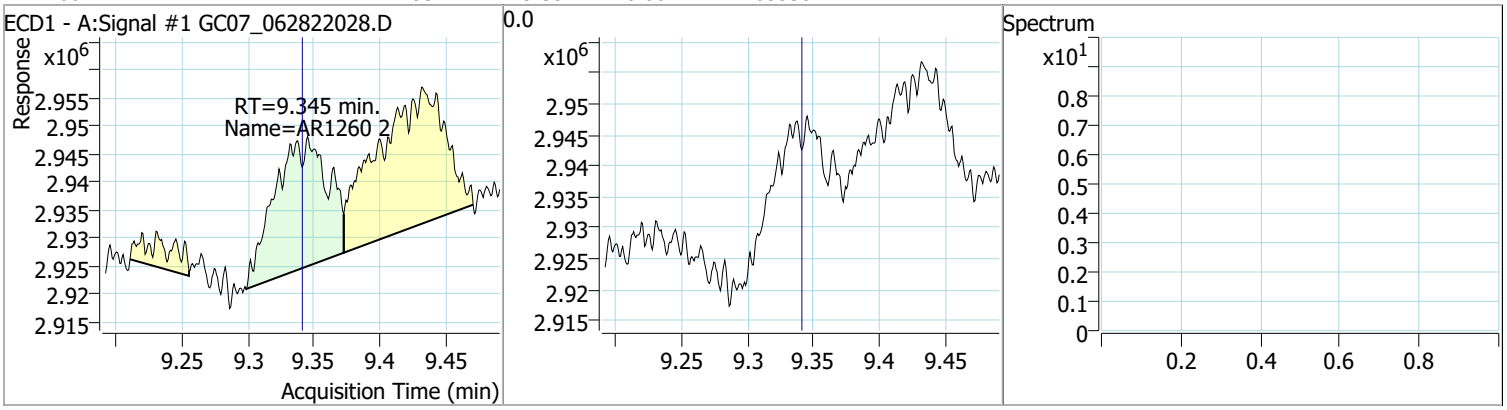
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.4207	7.75	-0.01	892				



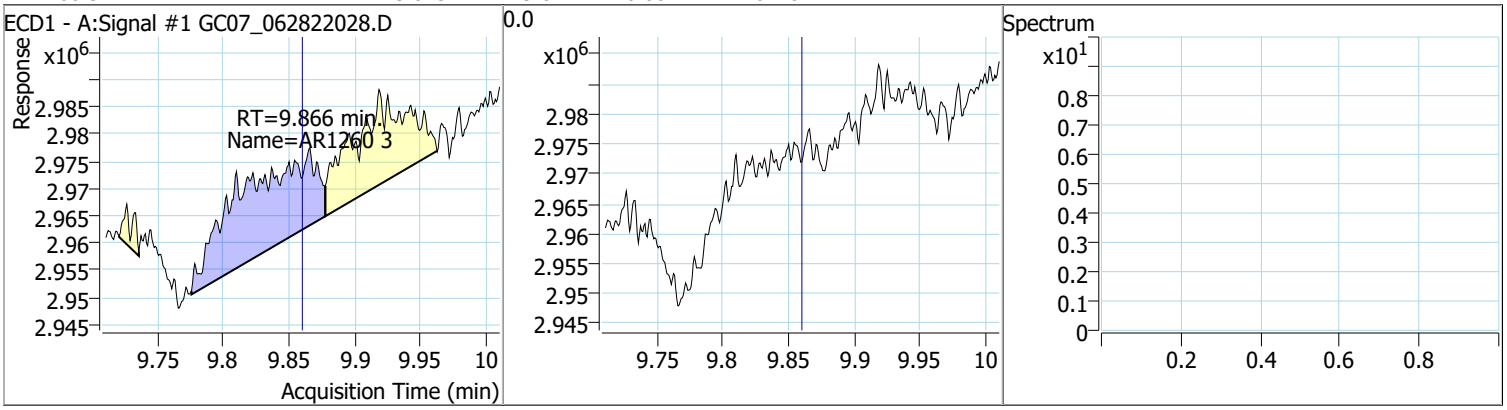
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	35.8586	8.75	0.00	547328				



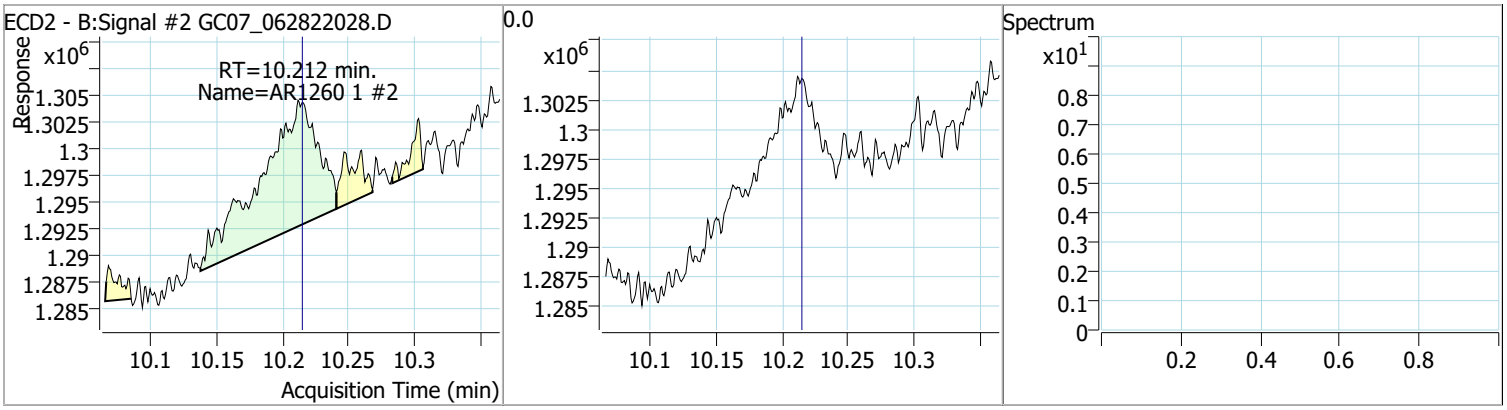
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2.9911	9.35	0.00	65538				



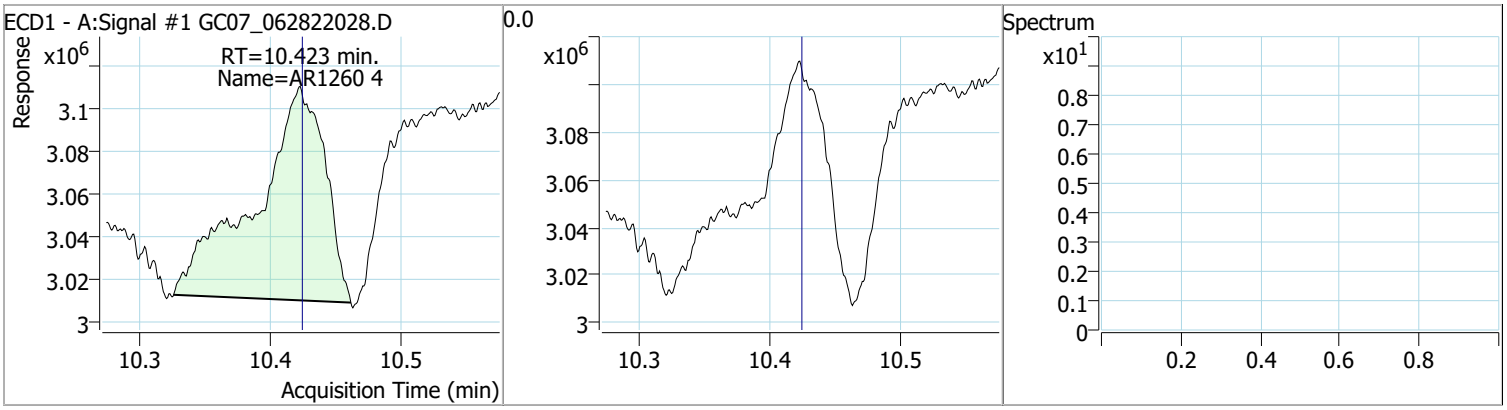
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	3.0257	9.87	0.00	67182				



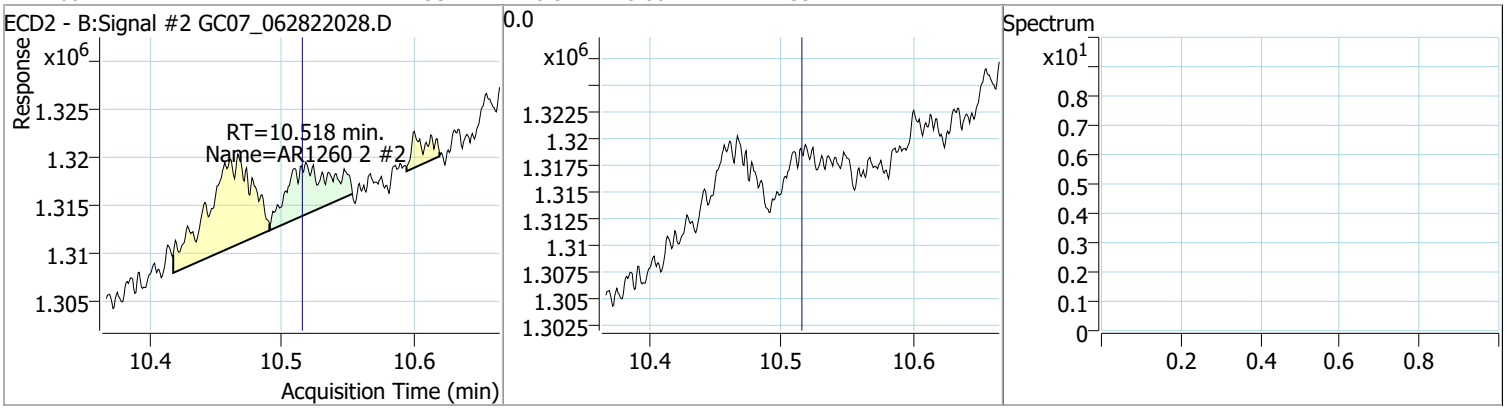
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	7.9641	10.21	0.00	36678				



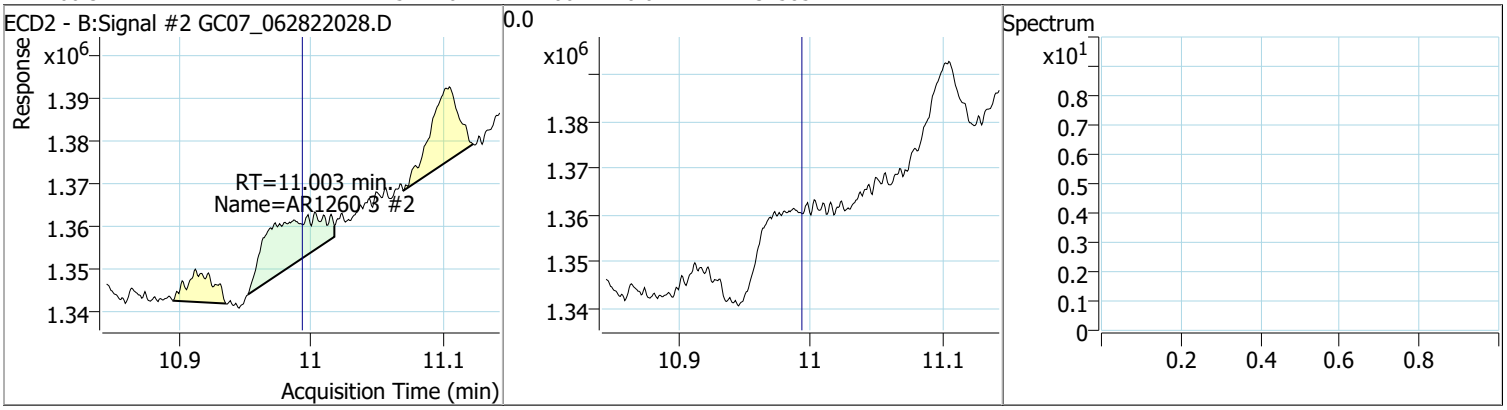
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	32.3375	10.42	0.00	367059				



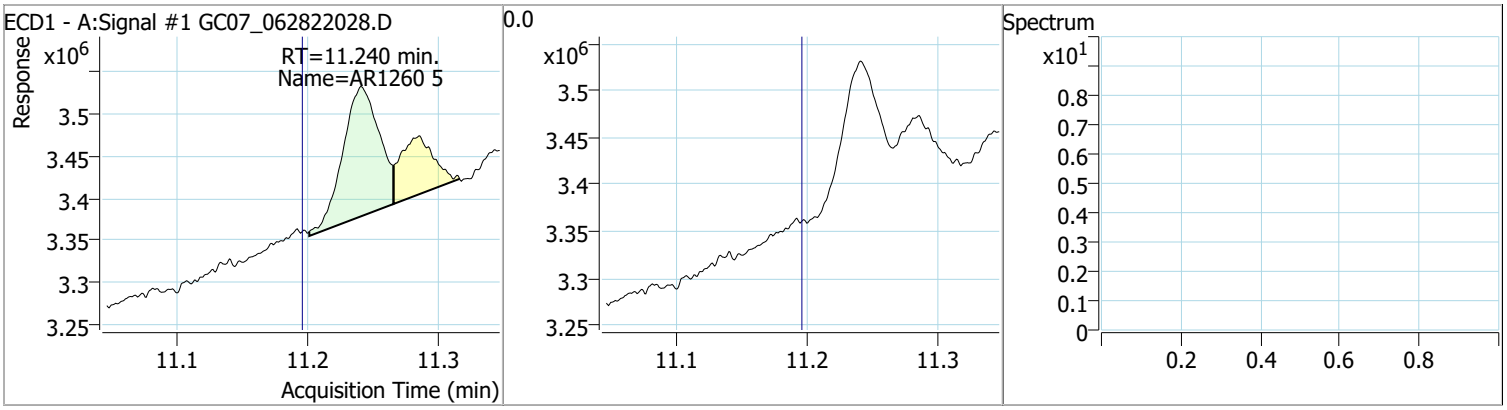
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	2.2932	10.52	0.00	11733				



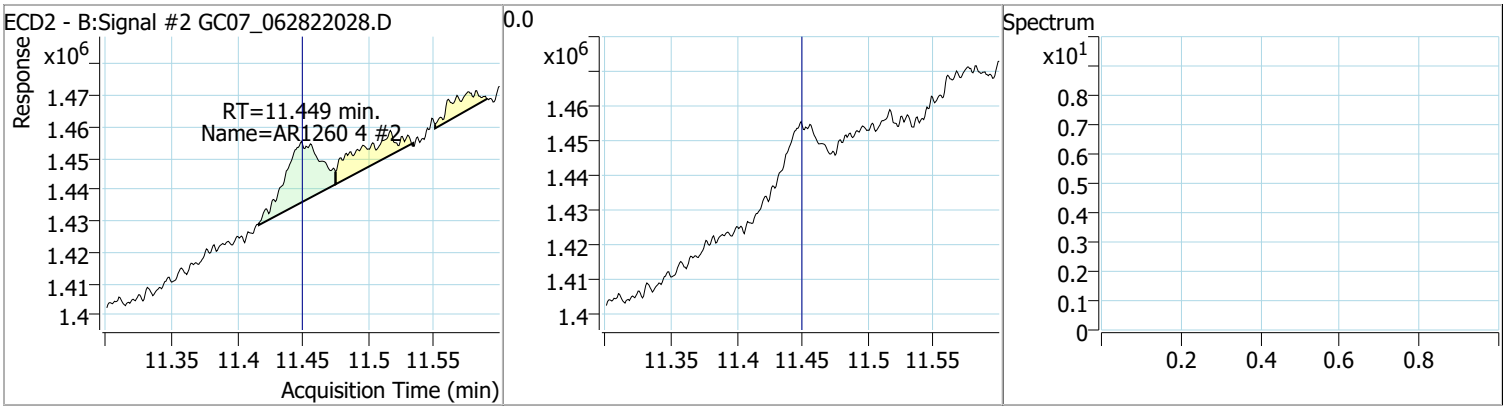
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	5.1740	11.00	0.01	32585				



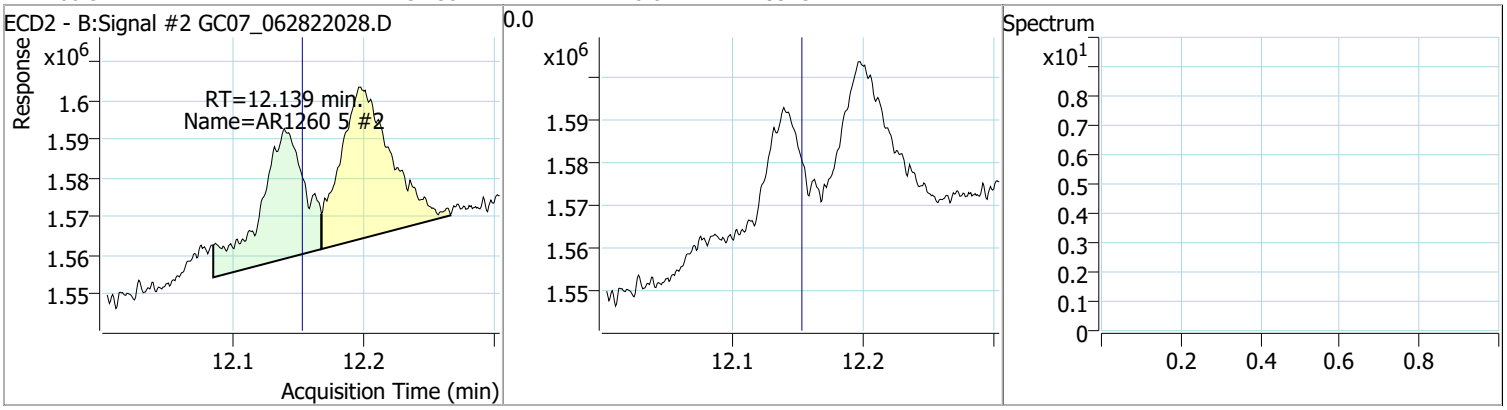
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	28.3237	11.24	0.04	295165				



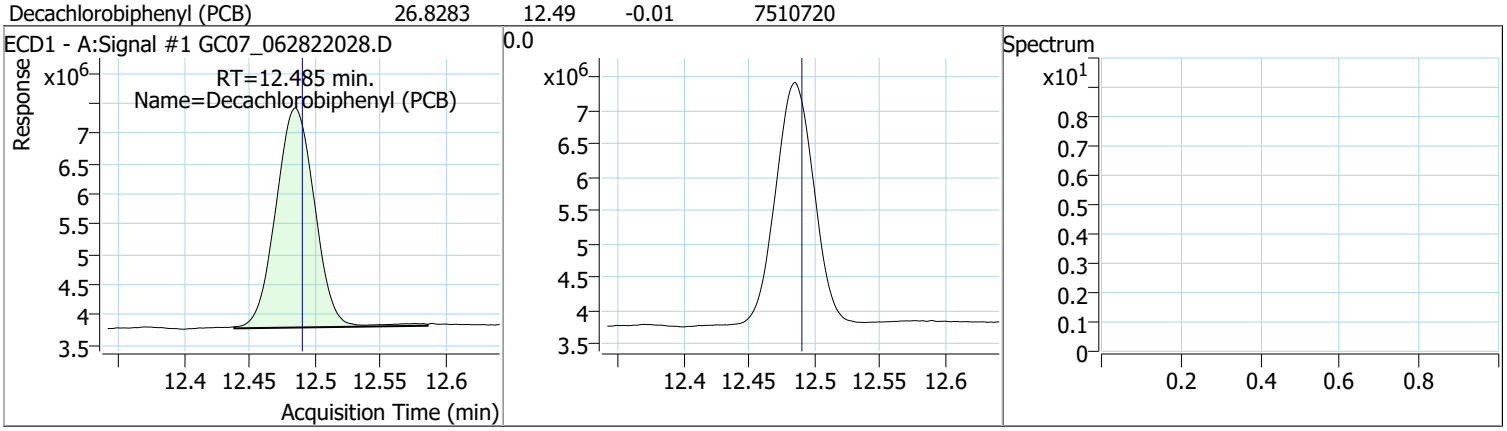
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	10.1256	11.45	0.00	35779				



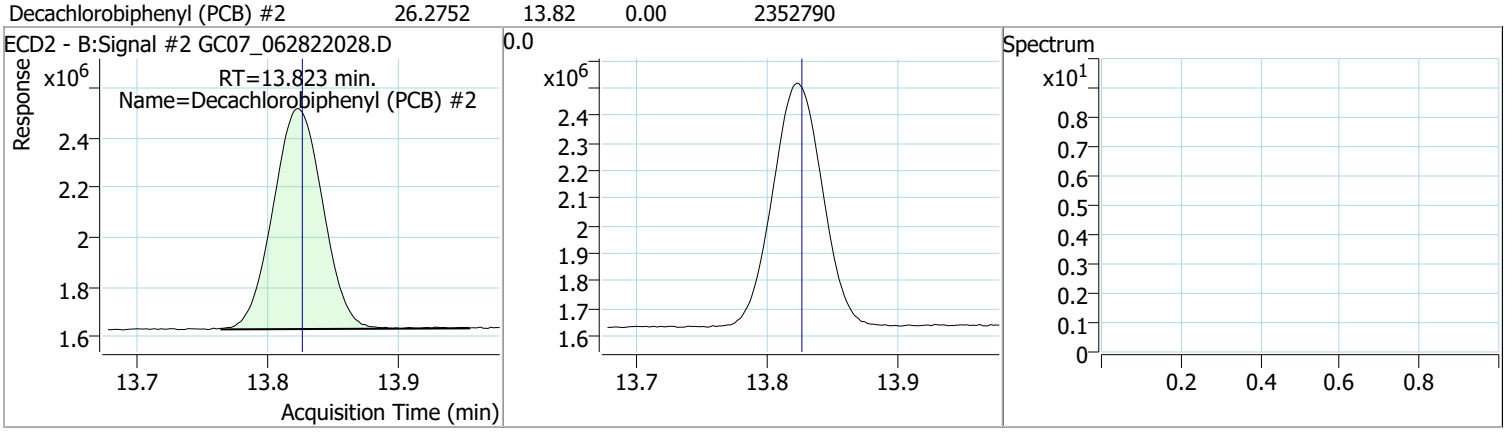
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	15.7501	12.14	-0.01	79975				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	26.8283	12.49	-0.01	7510720				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	26.2752	13.82	0.00	2352790				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	464779-006	Client ID:	ARCH-C1W-EXT-5 TO 6-220623-P-I
Seqnum:	462258436029.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_062822029	Batch:	291960	Time:	28-JUN-2022 19:04
Cal:	462252739001	Caldate:	25-JUN-2022		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	5.332	ug/L	ND	0.61	141%	1.0		u
Aroclor-1016 Peak # 1	B	6.071	ug/L	0.12	1.27	165%			
Aroclor-1016 Peak # 2	B	0.4026	ug/L	0.01	0.02	99%			
Aroclor-1016 Peak # 3	B	18.90	ug/L	0.38	1.08	96%			
Aroclor-1016 Peak # 4	B	0.7532	ug/L	0.02	0.01	21%			
Aroclor-1016 Peak # 5	B	0.5336	ug/L	0.01	0.68	194%			
Aroclor-1221	B			ND			1.0		u
Aroclor-1232	B			ND			1.0		u
Aroclor-1242	B			ND			1.0		u
Aroclor-1248	B			ND			1.0		u
Aroclor-1254	B			ND			1.0		u
Aroclor-1260	B	8.963	ug/L	ND	1.3	152%	1.0		u
Aroclor-1260 Peak # 1	B	2.447	ug/L	0.05	0.86	178%			
Aroclor-1260 Peak # 2	B	0.9442	ug/L	0.02	0.04	69%			
Aroclor-1260 Peak # 3	B	2.868	ug/L	0.06	0.06	1%			
Aroclor-1260 Peak # 4	B	11.48	ug/L	0.23	0.53	79%			
Aroclor-1260 Peak # 5	B	27.08	ug/L	0.54	5.12	162%			
Aroclor-1268	B			ND			1.0		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	30.95	pg/uL	1.000	0.6191	62	52-186	u
Decachlorobiphenyl (PCB)	B	28.79	pg/uL	1.000	0.5759	58	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221)

ISTD (CCV gc07_062822004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1389469	1336986	-3.78
1-bromo-2-nitrobenzene (PCB)	A	5233508	4620510	-11.71

ISTD (ICAL gc07_062822026)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	1445468	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1254)	A	5189113	**???**	**-100.00 ***

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221)

ISTD (CCV gc07_062822004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.25	4.25	0.00

ISTD (ICAL gc07_062822026)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1254)	B	4.44	**???**	
1-bromo-2-nitrobenzene (1254)	A	4.25	**???**	

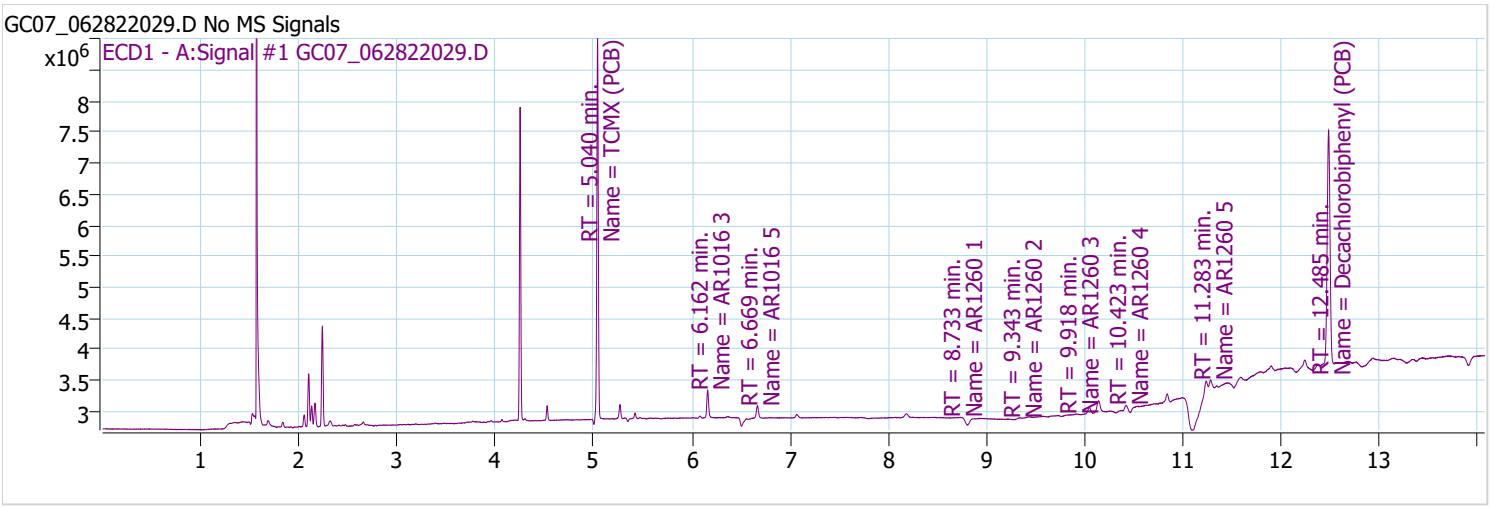
u=use

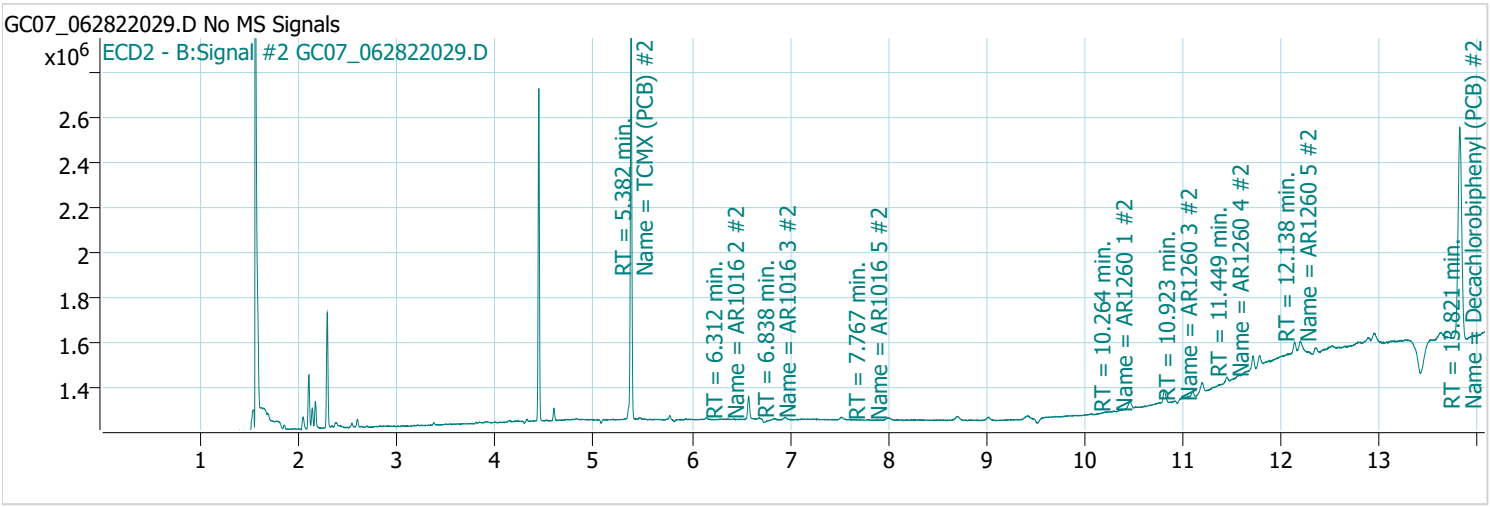
Analyst: TRN 06/29/22 *

Reviewer: SLL 06/29/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC07_062822029.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/28/2022 7:04:22 PM
Sample Name	464779-006, 291960, 1	Instrument	SVOA-GC07
Vial	21	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_2.m	Comment	Wipe/1s-20ml//3580 method
Tune File	ATUNE.U	Tune Date	
Batch Name	062822PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



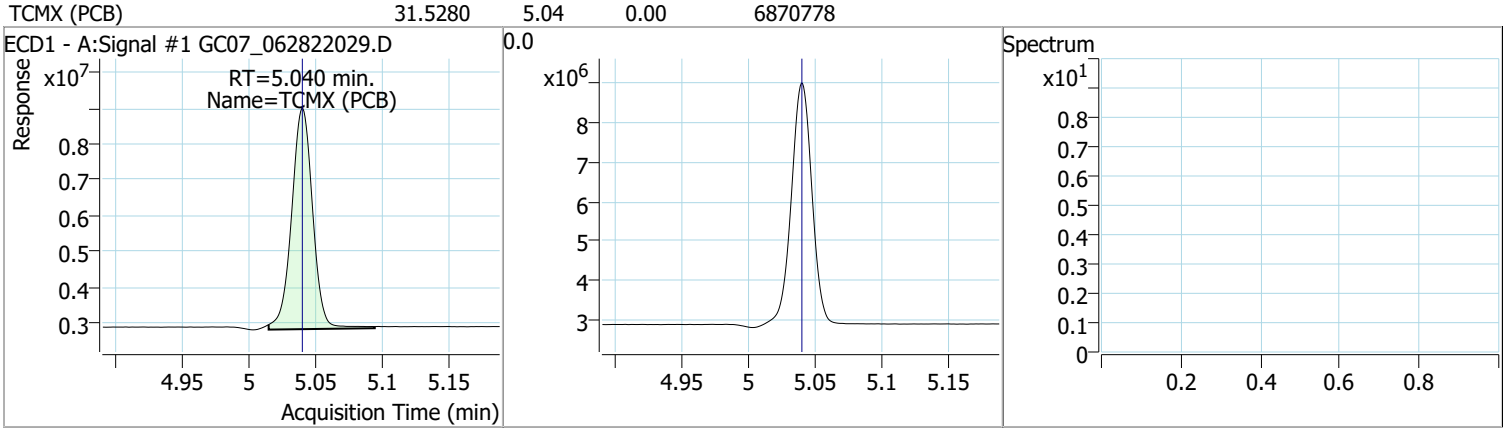


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.252	0.0	4620510.157	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.442	0.0	1336985.725	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.040	0.0	6870778.036	31.5280	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 157.64%		*	
S TCMX (PCB) #2	5.382	0.0	1877109.672	30.9366	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 154.68%		*	
S Decachlorobiphenyl (PCB)	12.485	0.0	7745193.624	30.0076	ng/ml		-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 150.04%		*	
S Decachlorobiphenyl (PCB) #2	13.821	0.0	2369288.435	28.7789	ng/ml		-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 143.89%			
Target Compounds							QValue

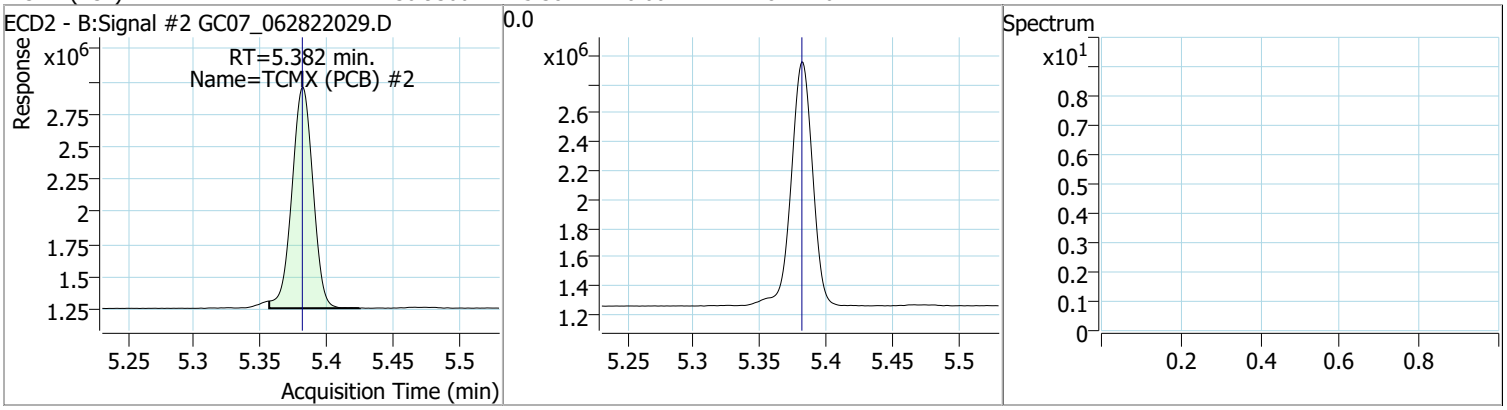
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.422	0.0	281816.640	63.5761	ng/ml	100
T AR1016 2	5.708	0.0	11451.489	1.1920	ng/ml	100
T AR1016 1 #2	5.888	0.0	8169.337	6.0675	ng/ml	100
T AR1016 3	6.162	0.0	601830.438	54.0971	ng/ml	100
T AR1016 2 #2	6.312	0.0	1179.796	0.4024	ng/ml	100
T AR1016 4	6.333	0.0	4884.117	0.6105	ng/ml	100
T AR1016 5	6.669	0.0	226633.023	34.0094	ng/ml	100
T AR1016 3 #2	6.838	0.0	63528.698	18.8902	ng/ml	100
T AR1016 4 #2	7.114	0.0	1756.985	0.7527	ng/ml	100
T AR1016 5 #2	7.767	0.0	1039.739	0.5333	ng/ml	100
T AR1260 1	8.733	0.0	604398.338	42.9493	ng/ml	100
T AR1260 2	9.343	0.0	39242.677	1.9426	ng/ml	100
T AR1260 3	9.918	0.0	59142.120	2.8890	ng/ml	100
T AR1260 1 #2	10.264	0.0	10357.060	2.4460	ng/ml	100
T AR1260 4	10.423	0.0	276617.454	26.4324	ng/ml	100
T AR1260 2 #2	10.518	0.0	4439.424	0.9437	ng/ml	100
T AR1260 3 #2	10.923	0.0	16595.071	2.8660	ng/ml	100
T AR1260 5	11.283	0.0	2459883.943	256.0281	ng/ml	100
T AR1260 4 #2	11.449	0.0	37264.391	11.4705	ng/ml	100
T AR1260 5 #2	12.138	0.0	126338.270	27.0618	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

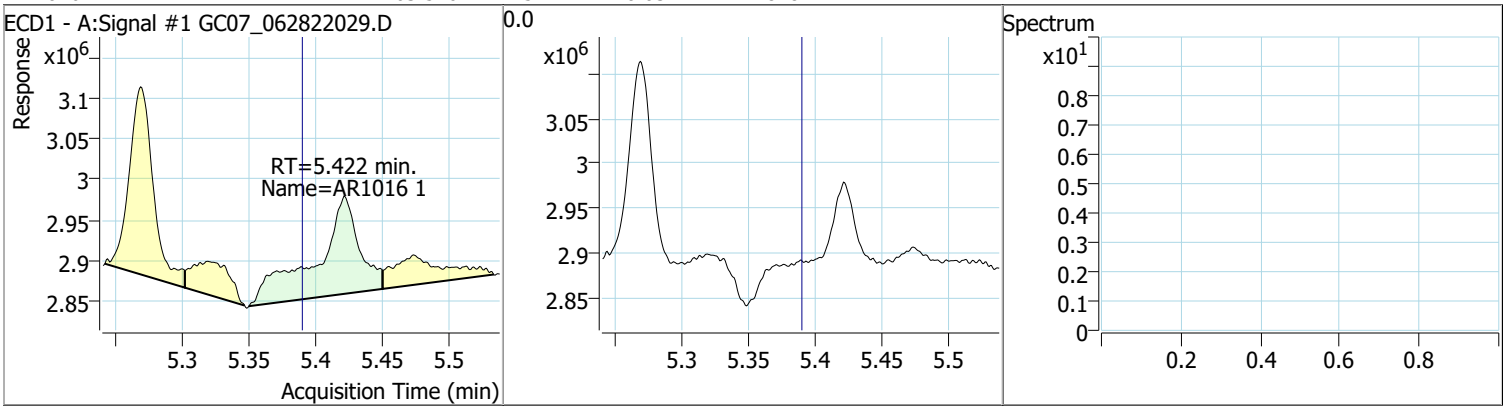
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	31.5280	5.04	0.00	6870778				



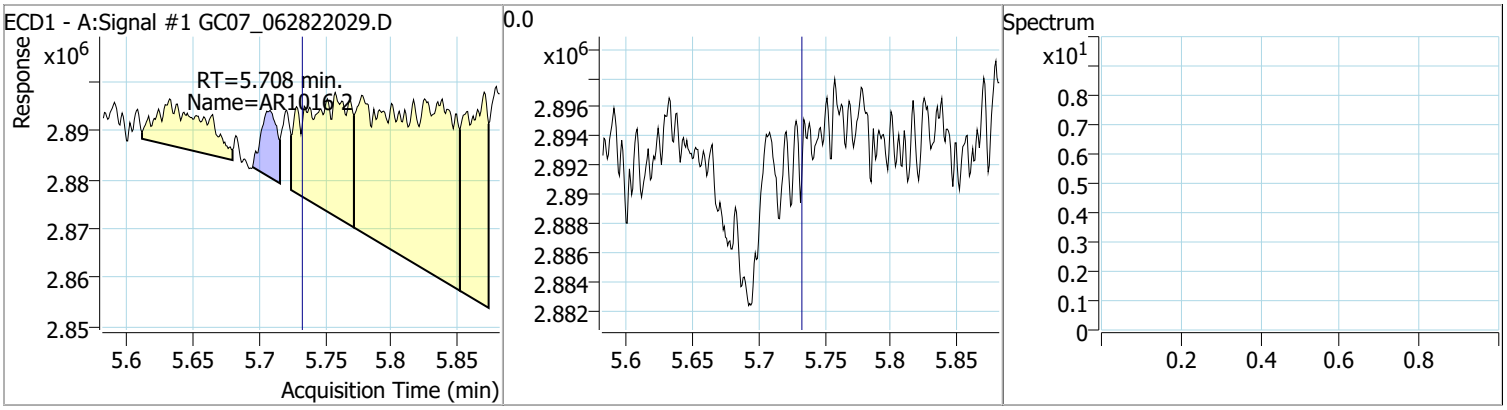
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	30.9366	5.38	0.00	1877110				



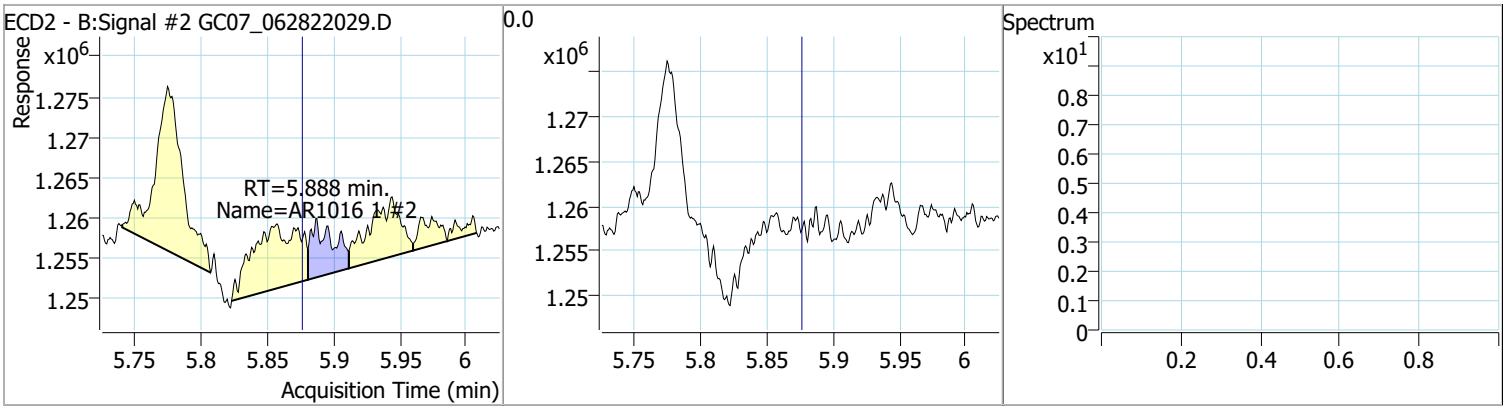
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	63.5761	5.42	0.03	281817				



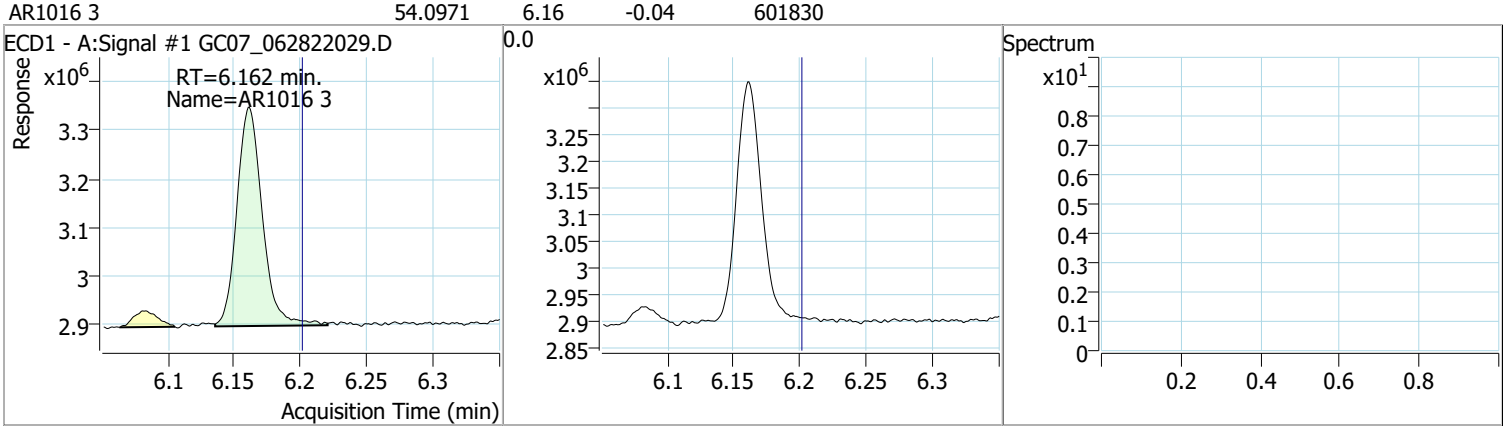
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1.1920	5.71	-0.02	11451				



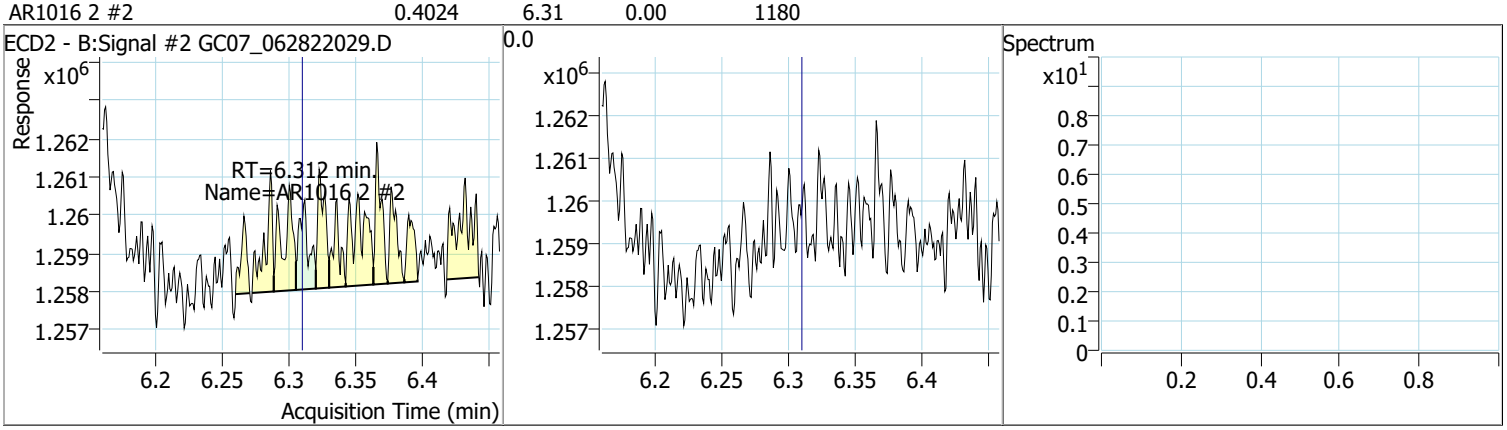
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	6.0675	5.89	0.01	8169				



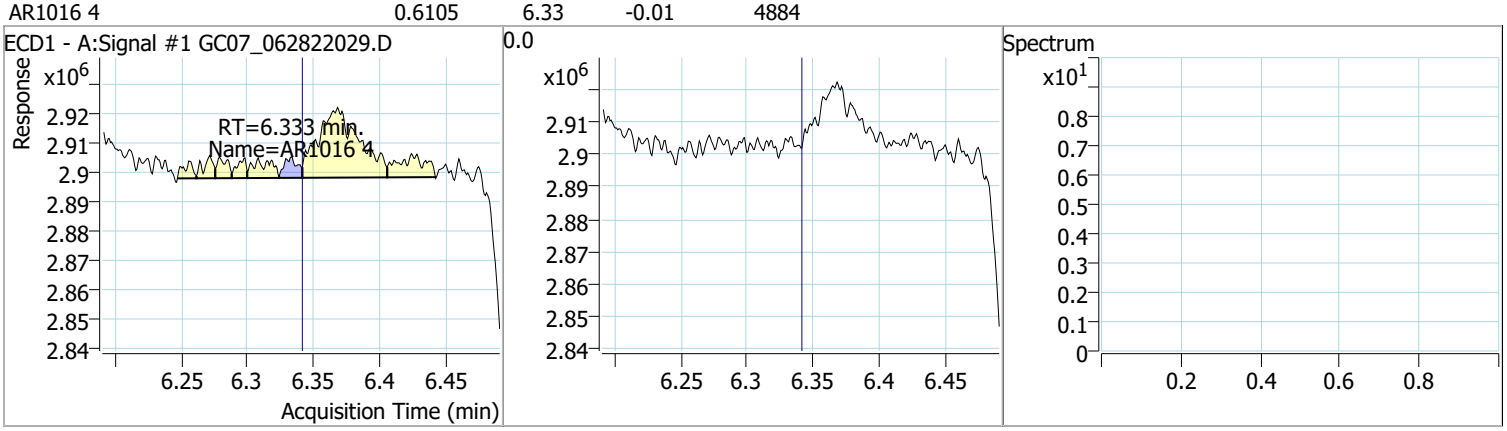
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	54.0971	6.16	-0.04	601830				



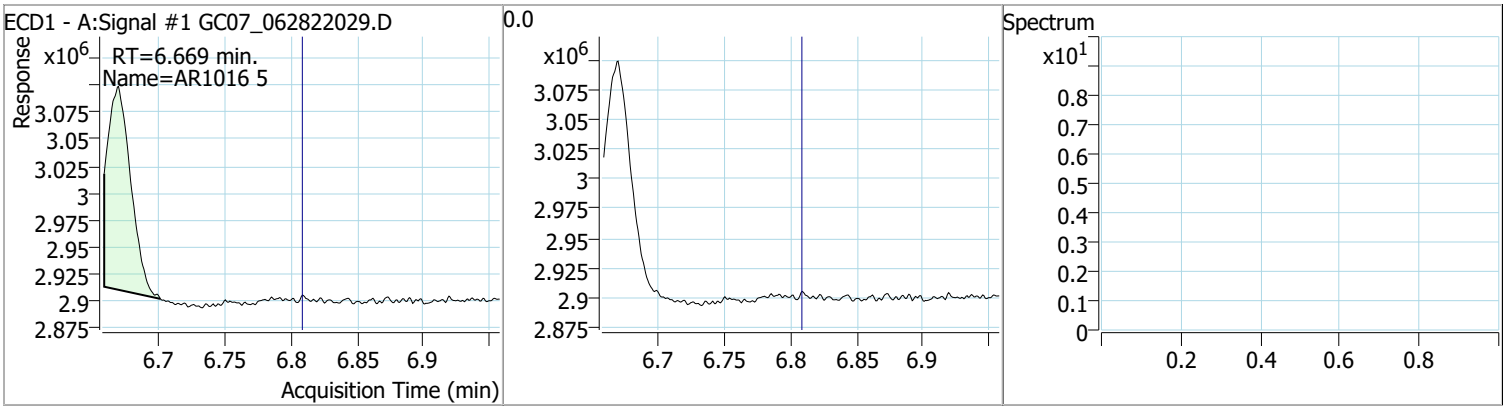
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	0.4024	6.31	0.00	1180				



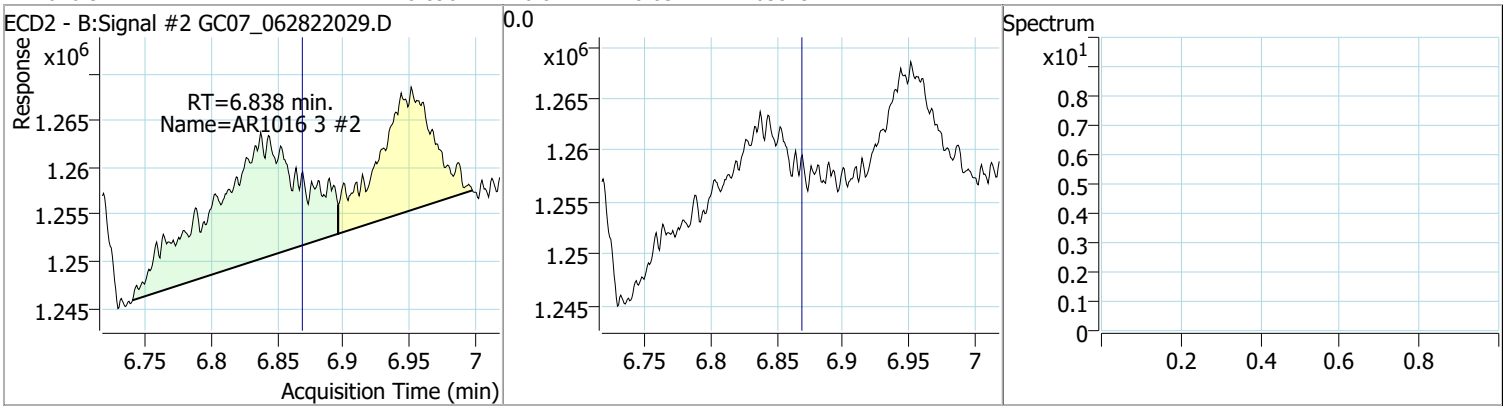
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	0.6105	6.33	-0.01	4884				



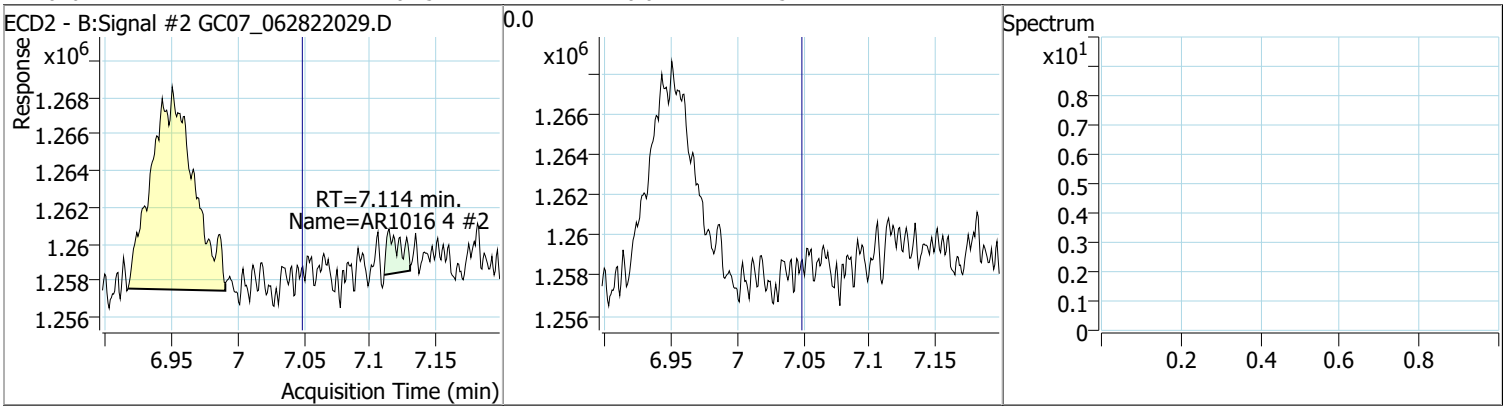
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	34.0094	6.67	-0.14	226633				



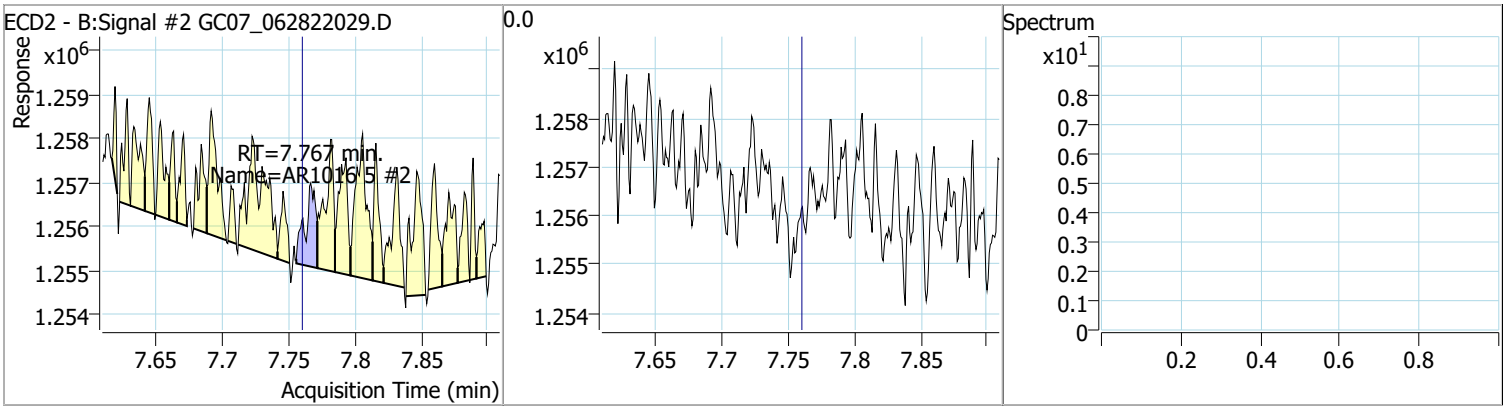
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	18.8902	6.84	-0.03	63529				



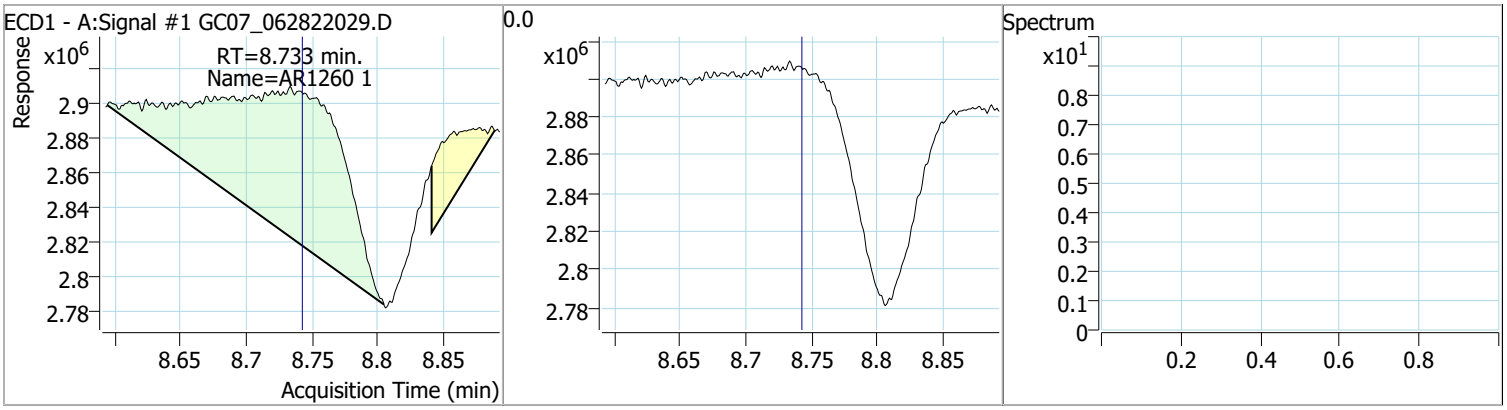
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.7527	7.11	0.07	1757				



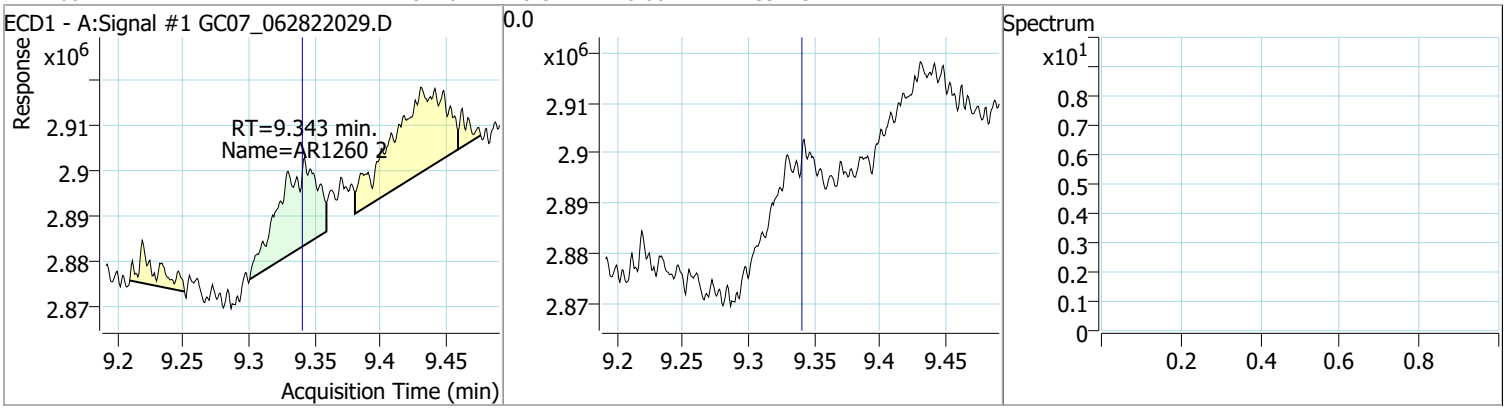
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.5333	7.77	0.01	1040				



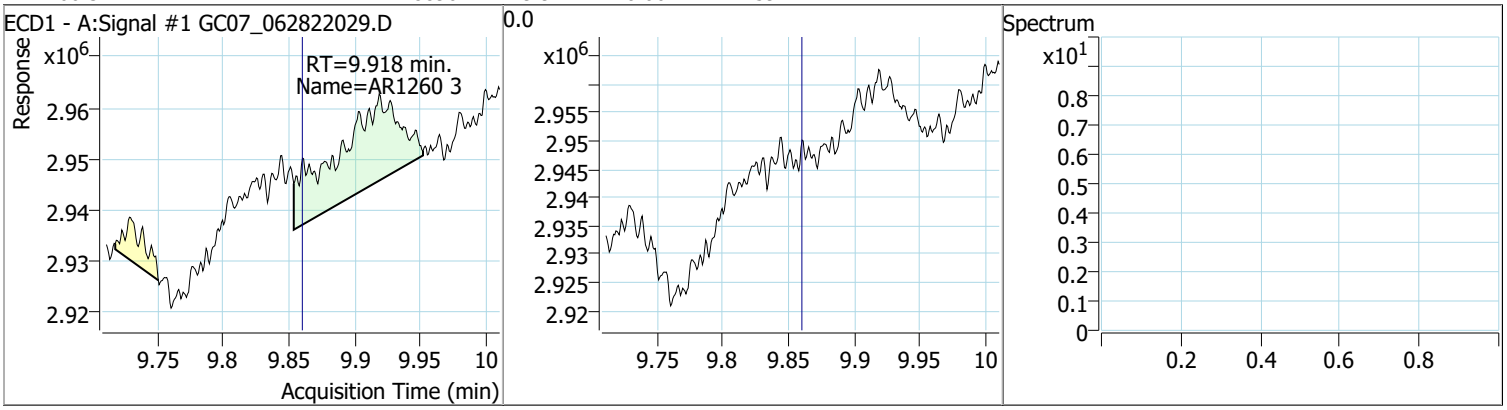
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	42.9493	8.73	-0.01	604398				



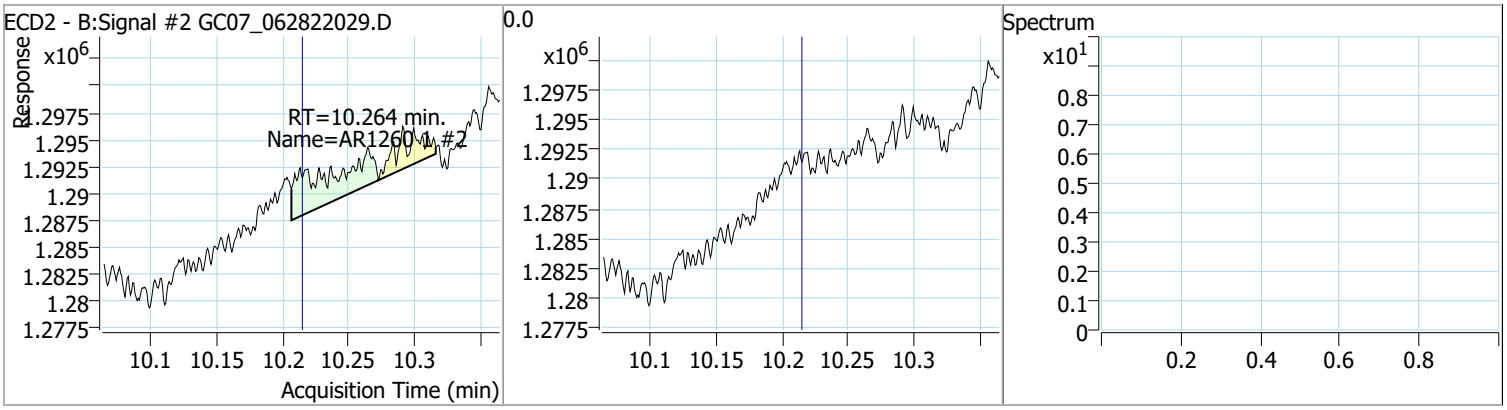
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.9426	9.34	0.00	39243				



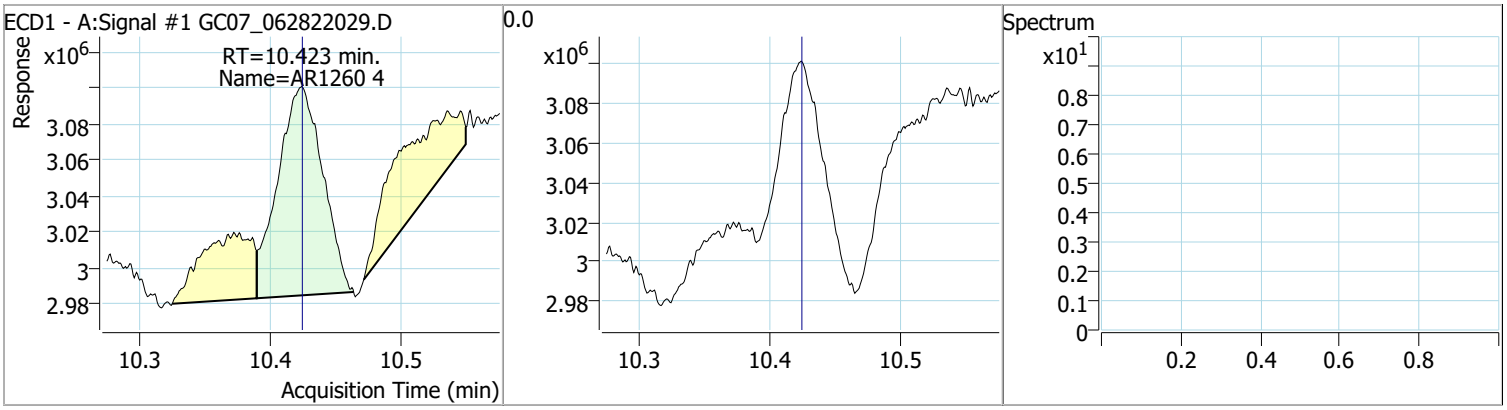
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	2.8890	9.92	0.06	59142				



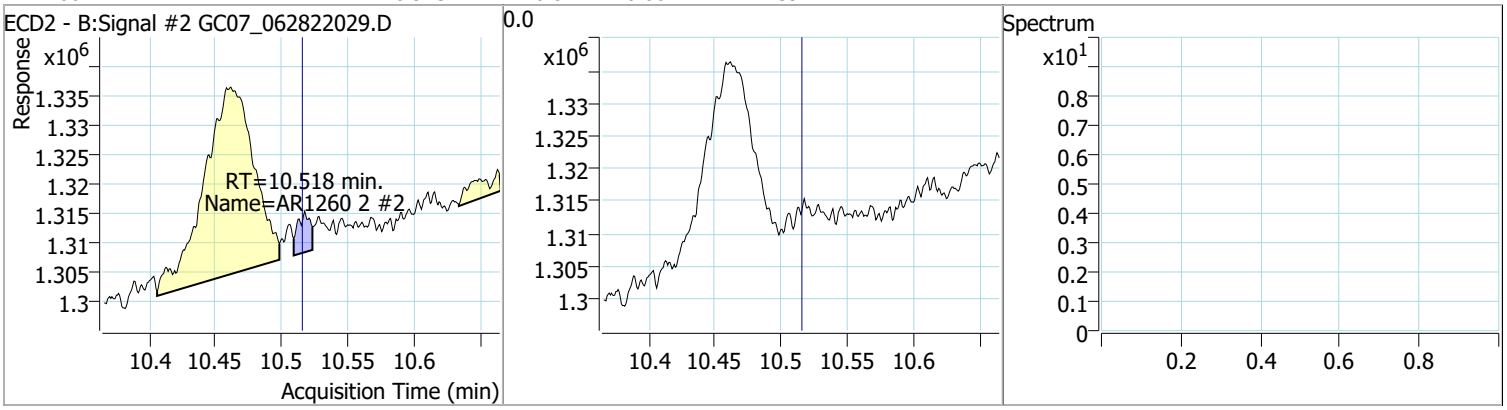
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	2.4460	10.26	0.05	10357				



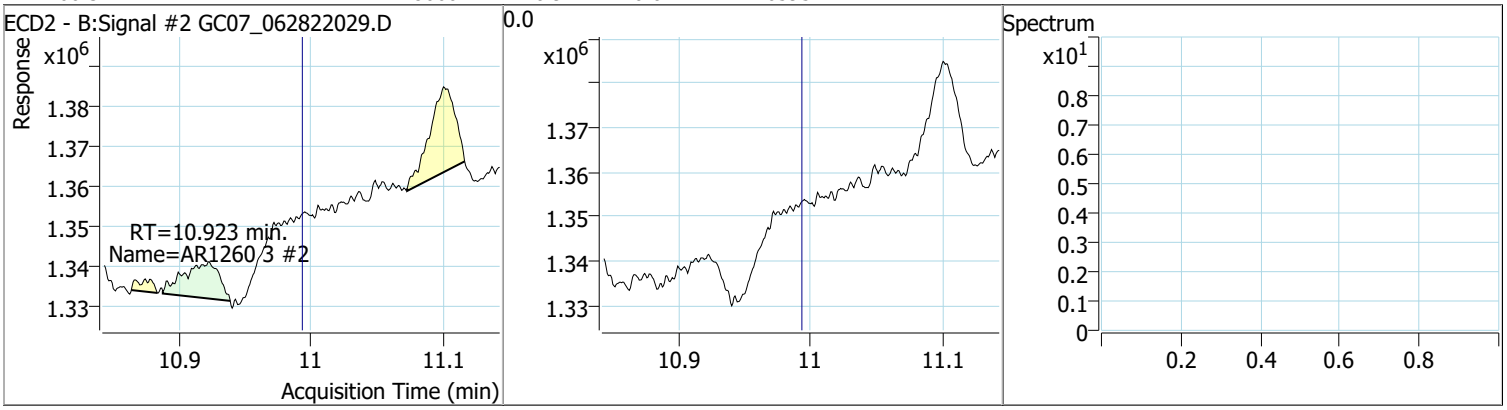
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	26.4324	10.42	0.00	276617				



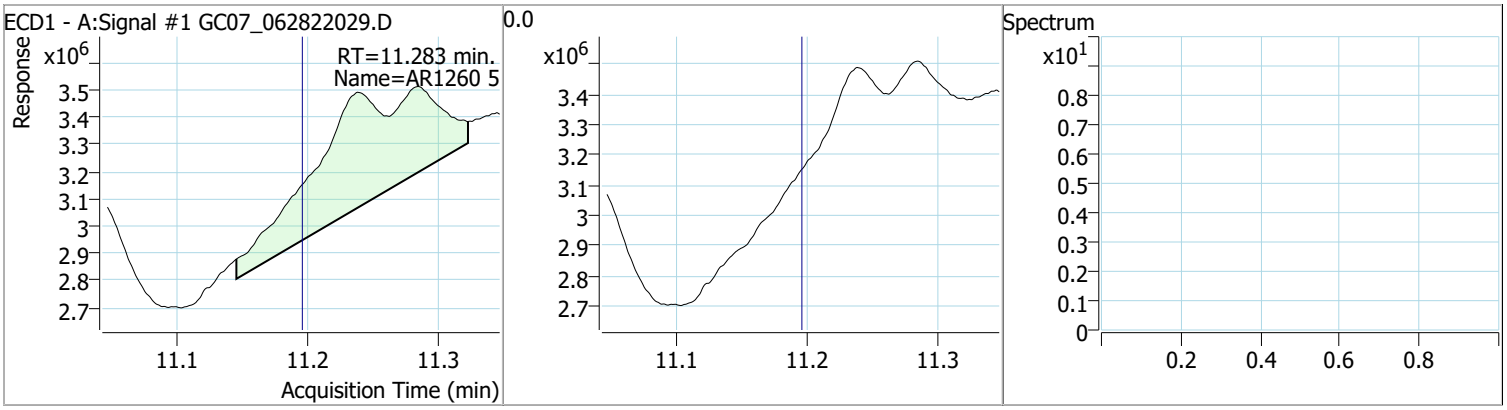
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	0.9437	10.52	0.00	4439				



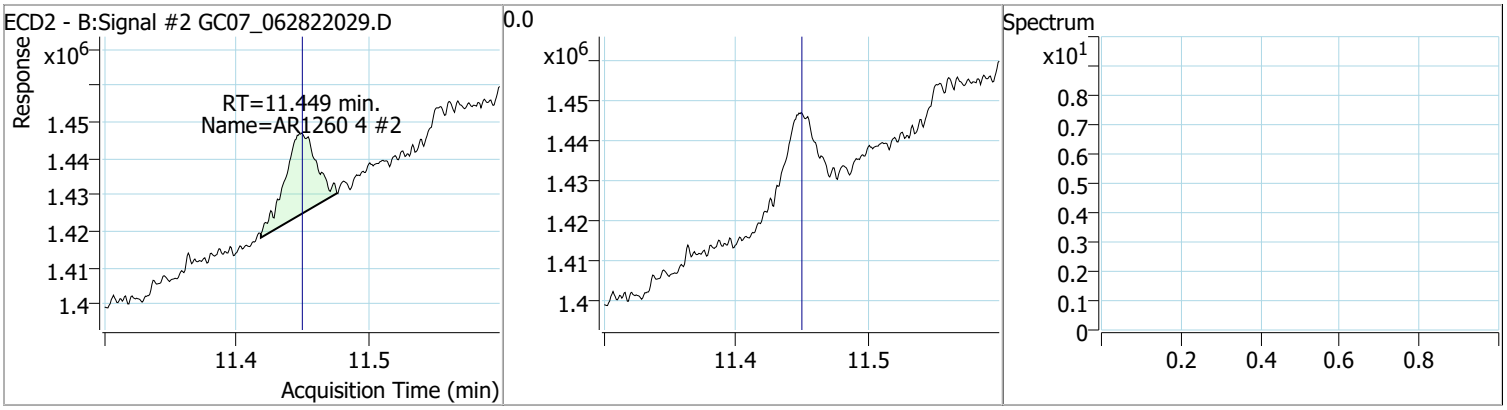
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	2.8660	10.92	-0.07	16595				



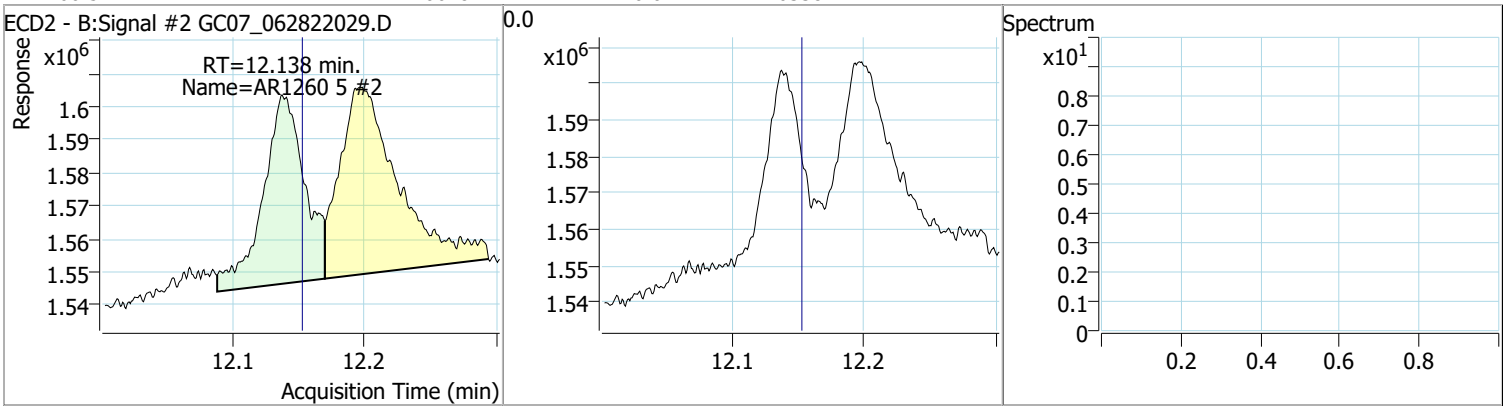
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	256.0281	11.28	0.09	2459884				



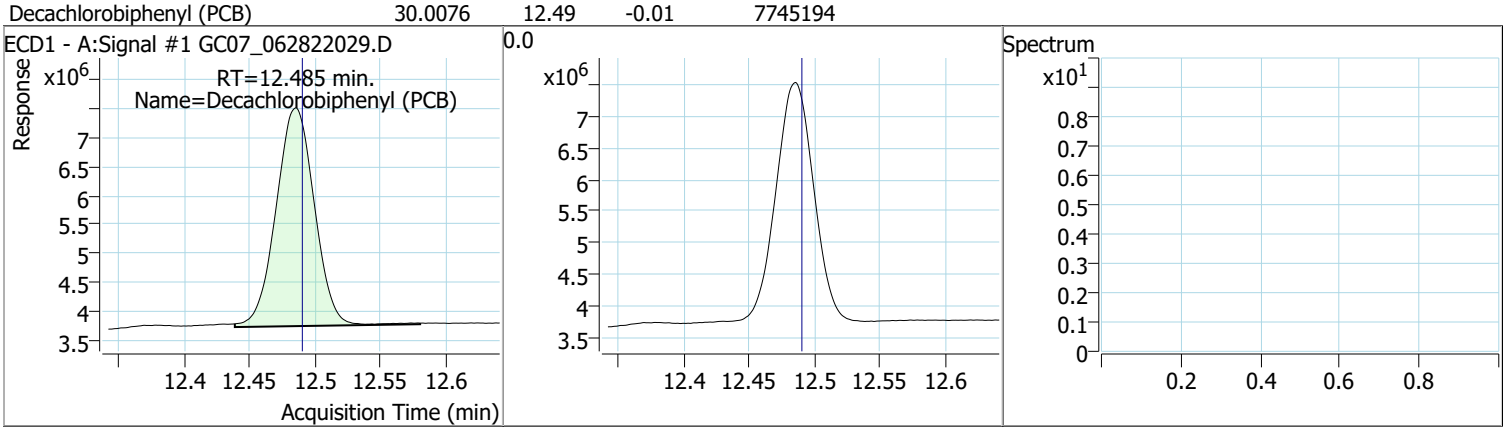
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	11.4705	11.45	0.00	37264				



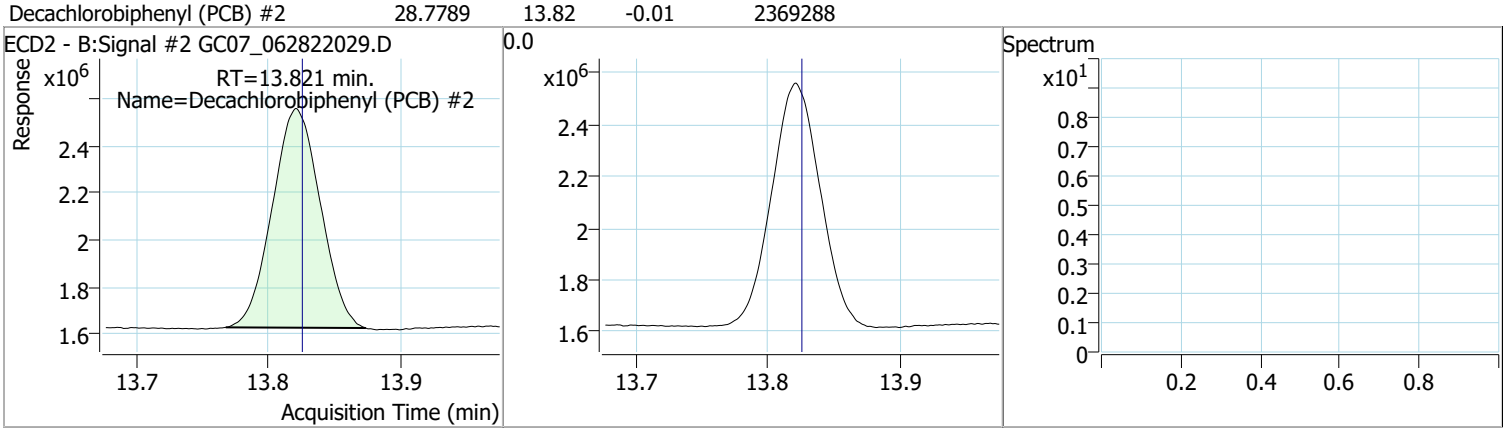
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	27.0618	12.14	-0.02	126338				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	30.0076	12.49	-0.01	7745194				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	28.7789	13.82	-0.01	2369288				



QC Raw Data

ENTHALPY BLANK USER REPORT FOR 464779 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07	Lab ID:	QC997361		
Seqnum:	462258436007.5	Matrix:	Wipe		
File:	gc07_062822007	Batch:	291960	Time:	28-JUN-2022 12:37
Cal:	462252739001	Caldate:	25-JUN-2022		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Flags
Aroclor-1016	B	2.529	ug/L	ND	0.13	134%	0.50	u
Aroclor-1221	B			ND			0.50	u
Aroclor-1232	B			ND			0.50	u
Aroclor-1242	B			ND			0.50	u
Aroclor-1248	B			ND			0.50	u
Aroclor-1254	B			ND			0.50	u
Aroclor-1260	B	1.428	ug/L	ND	ND	42%	0.50	u
Aroclor-1268	B			ND			0.50	u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	41.10	pg/uL	0.5000	0.4110	82	52-186	u
Decachlorobiphenyl (PCB)	B	37.77	pg/uL	0.5000	0.3777	76	60-140	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_062822004)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1389469	1568156	12.86
1-bromo-2-nitrobenzene (PCB)	A	5233508	5612864	7.25

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_062822004)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.25	4.26	0.01

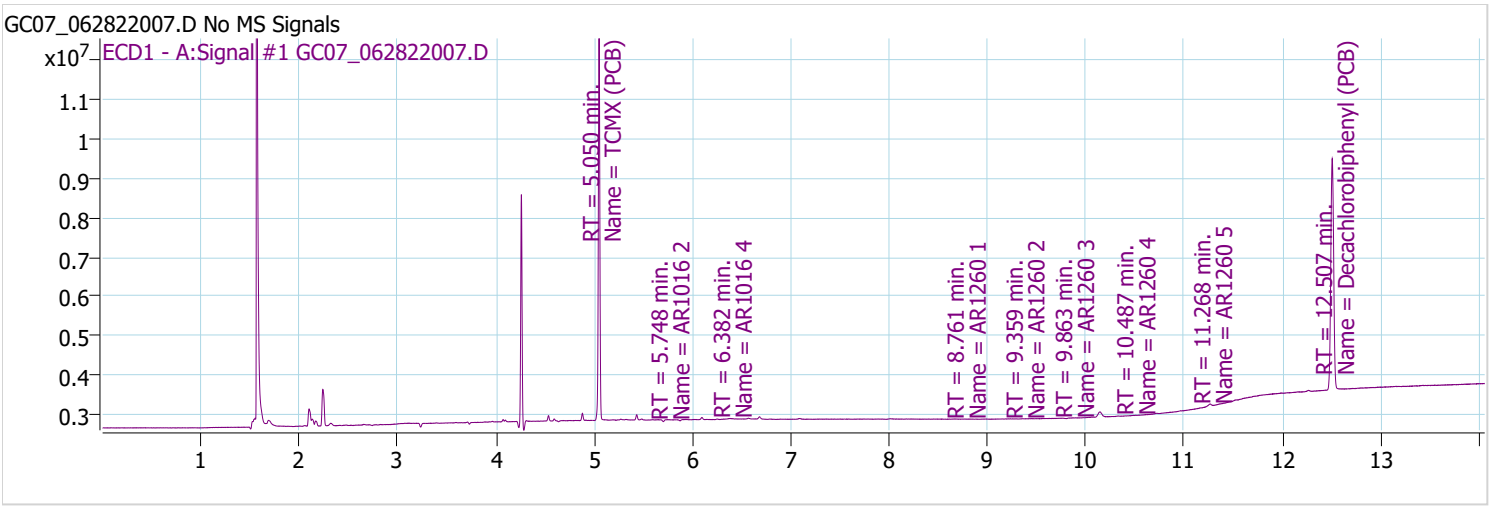
u=use

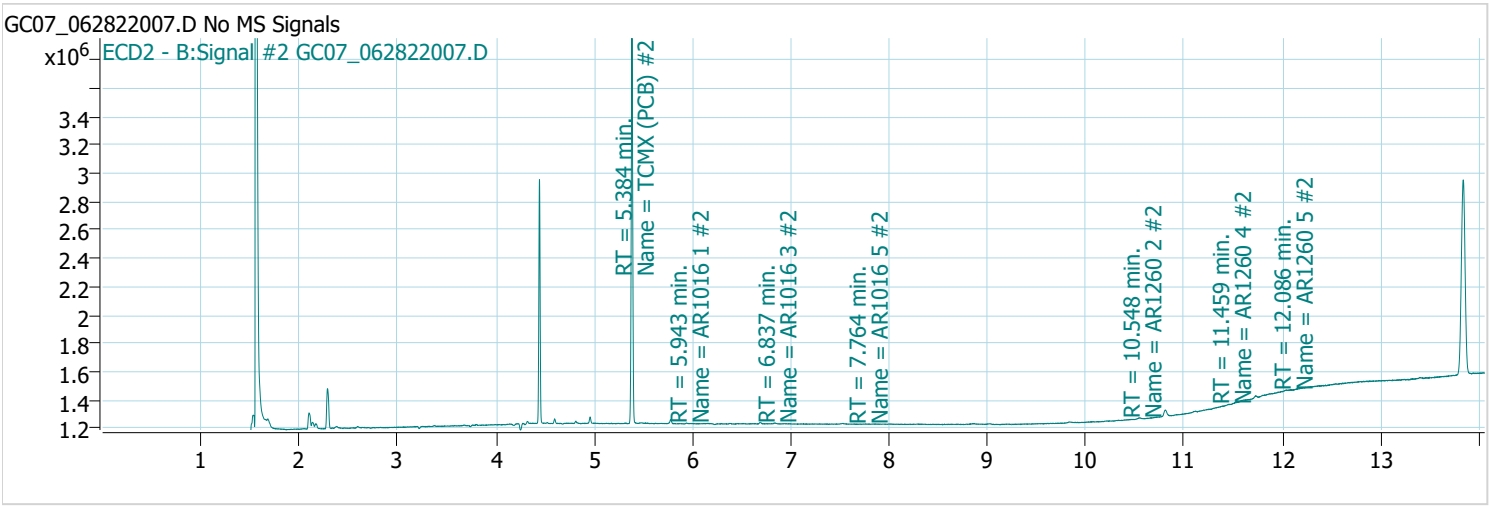
Analyst: TRN 06/29/22 *

Reviewer: SLL 06/29/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC07_062822007.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/28/2022 12:37:59 PM
Sample Name	QC997361, 291960, 1	Instrument	SVOA-GC07
Vial	1	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_2.m	Comment	Wipe/1s-20ml//3580 method
Tune File	ATUNE.U	Tune Date	
Batch Name	062822PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



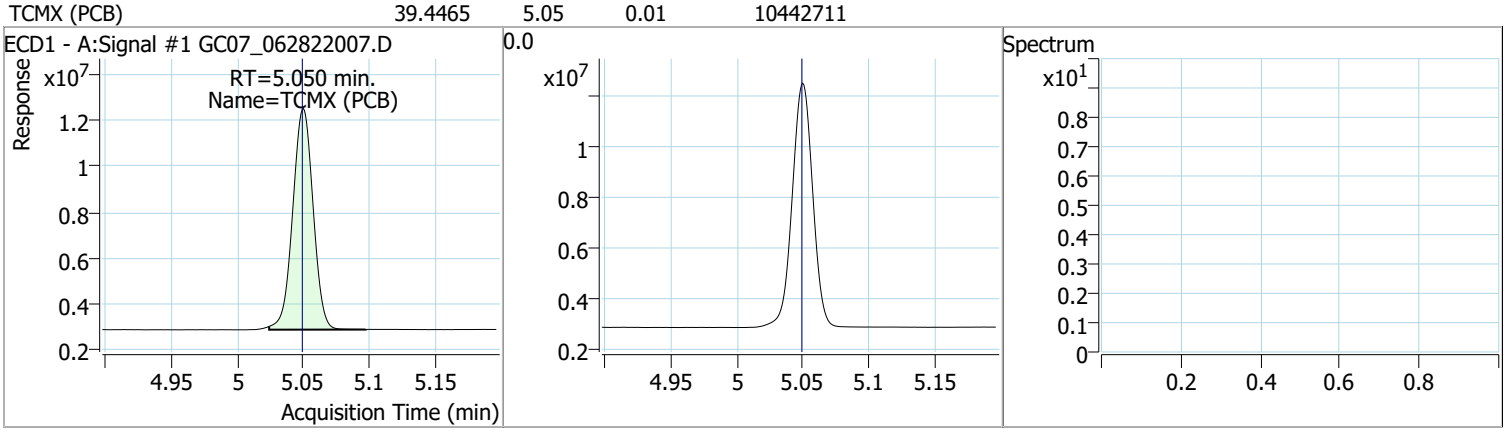


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.260	0.0	5612863.774	20.0000	ng/ml		0.006
M 1-bromo-2-nitrobenzene (PCB) #2	4.443	0.0	1568155.748	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	5.050	0.0	10442711.226	39.4465	ng/ml		0.009
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 197.23%		*	
S TCMX (PCB) #2	5.384	0.0	2923494.123	41.0793	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 205.40%		*	
S Decachlorobiphenyl (PCB)	12.507	0.0	12030184.619	38.3687	ng/ml		0.014
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 191.84%		*	
S Decachlorobiphenyl (PCB) #2	13.839	0.0	3645505.818	37.7530	ng/ml		0.012
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 188.76%		*	
Target Compounds							QValue

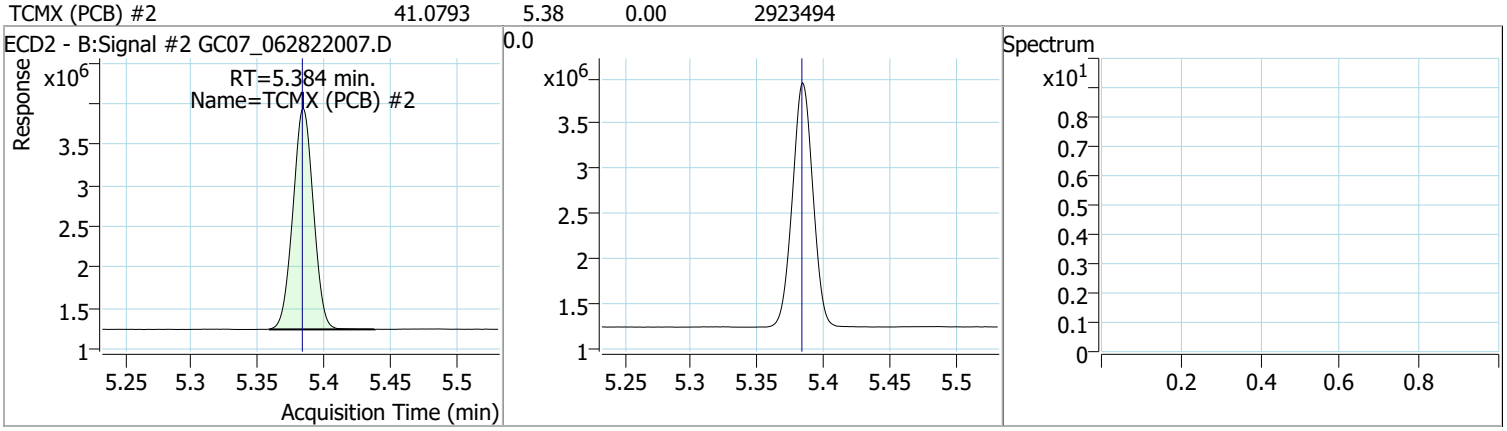
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.433	0.0	151233.397	28.0854	ng/ml	100
T AR1016 2	5.748	0.0	302854.874	25.9503	ng/ml	100
T AR1016 1 #2	5.943	0.0	8380.882	5.3070	ng/ml	100
T AR1016 3	6.252	0.0	18625.065	1.3782	ng/ml	100
T AR1016 2 #2	6.297	0.0	8193.397	2.3826	ng/ml	100
T AR1016 4	6.382	0.0	69048.691	7.1050	ng/ml	100
T AR1016 5	6.788	0.0	9358.326	1.1561	ng/ml	100
T AR1016 3 #2	6.837	0.0	13417.669	3.4016	ng/ml	100
T AR1016 4 #2	7.043	0.0	2240.124	0.8183	ng/ml	100
T AR1016 5 #2	7.764	0.0	1665.022	0.7281	ng/ml	100
T AR1260 1	8.761	0.0	2100.451	0.1229	ng/ml	100
T AR1260 2	9.359	0.0	7756.095	0.3161	ng/ml	100
T AR1260 3	9.863	0.0	23593.983	0.9488	ng/ml	100
T AR1260 1 #2	10.209	0.0	7478.806	1.5059	ng/ml	100
T AR1260 4	10.487	0.0	4954.257	0.3897	ng/ml	100
T AR1260 2 #2	10.548	0.0	20046.939	3.6332	ng/ml	100
T AR1260 3 #2	11.018	0.0	1421.934	0.2094	ng/ml	100
T AR1260 5	11.268	0.0	107128.935	9.1788	ng/ml	100
T AR1260 4 #2	11.459	0.0	4020.029	1.0550	ng/ml	100
T AR1260 5 #2	12.086	0.0	4002.435	0.7309	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

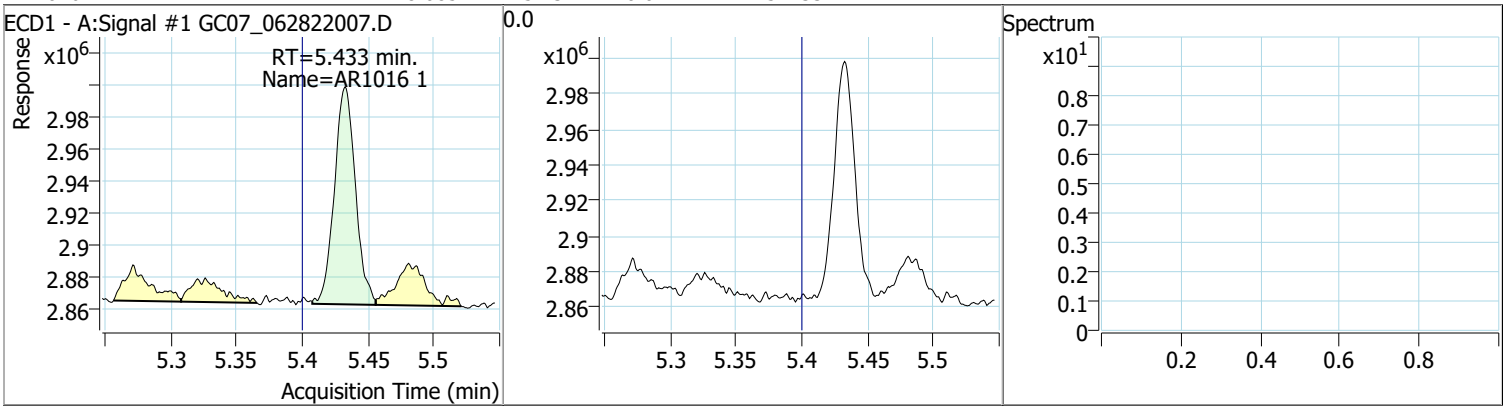
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.4465	5.05	0.01	10442711				



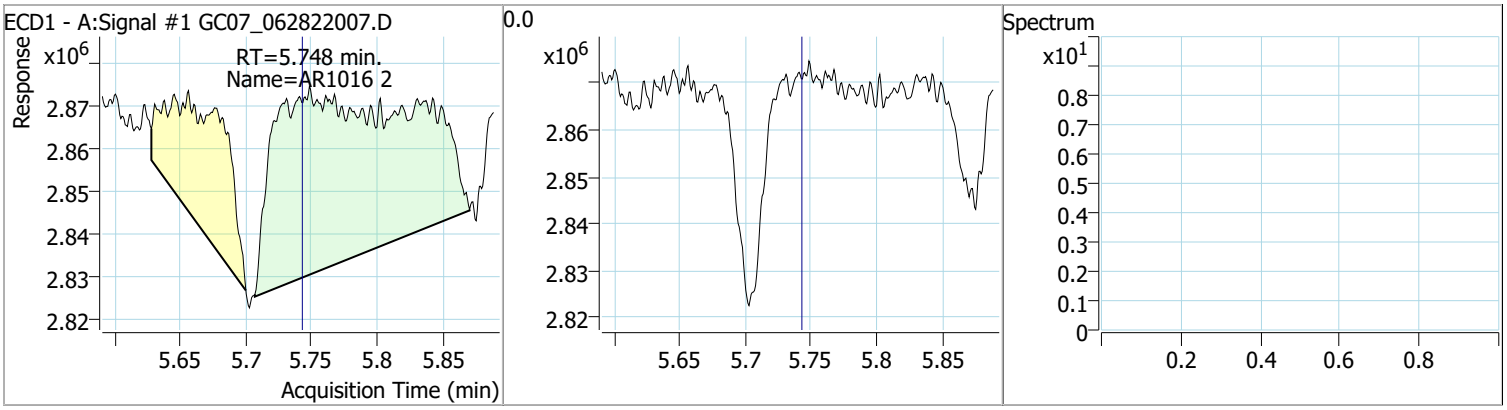
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	41.0793	5.38	0.00	2923494				



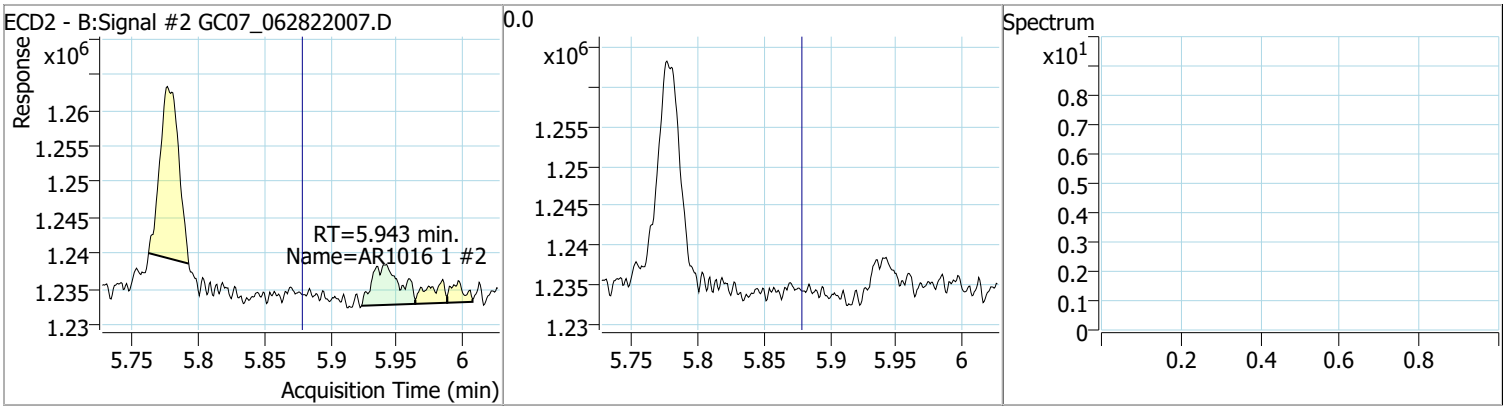
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	28.0854	5.43	0.04	151233				



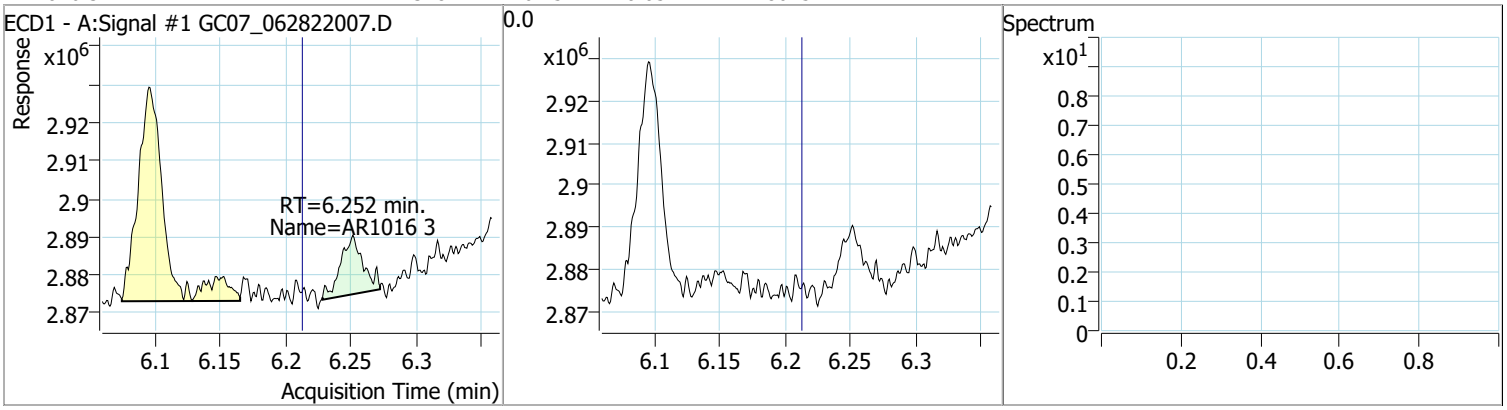
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	25.9503	5.75	0.02	302855				



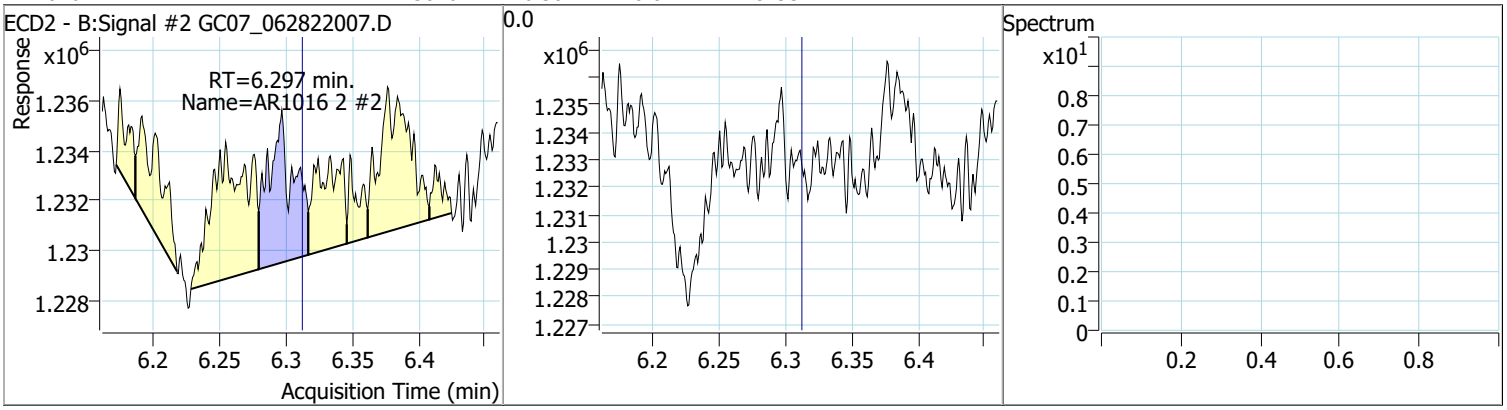
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	5.3070	5.94	0.07	8381				



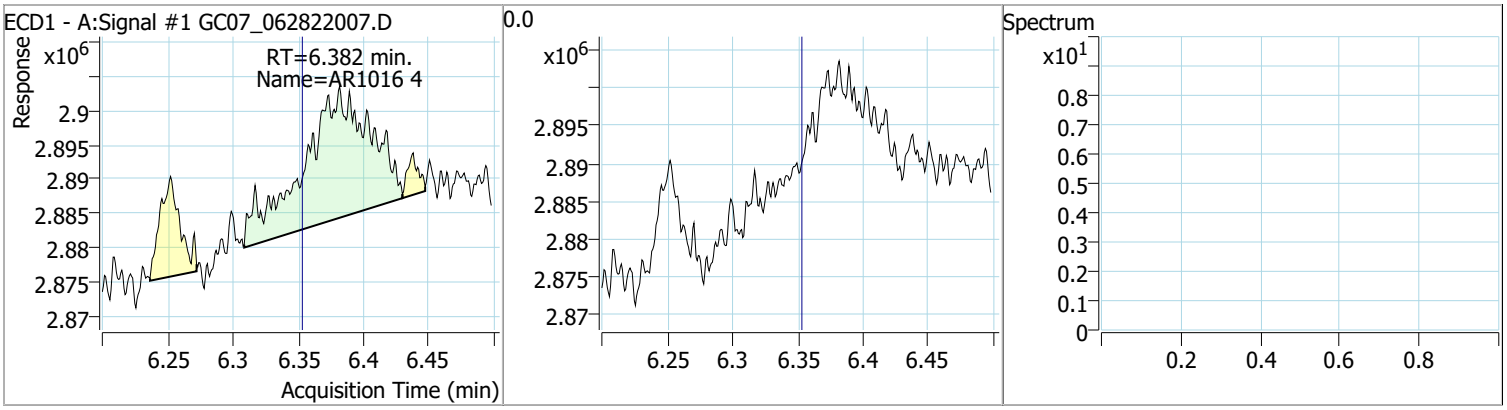
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1.3782	6.25	0.05	18625				



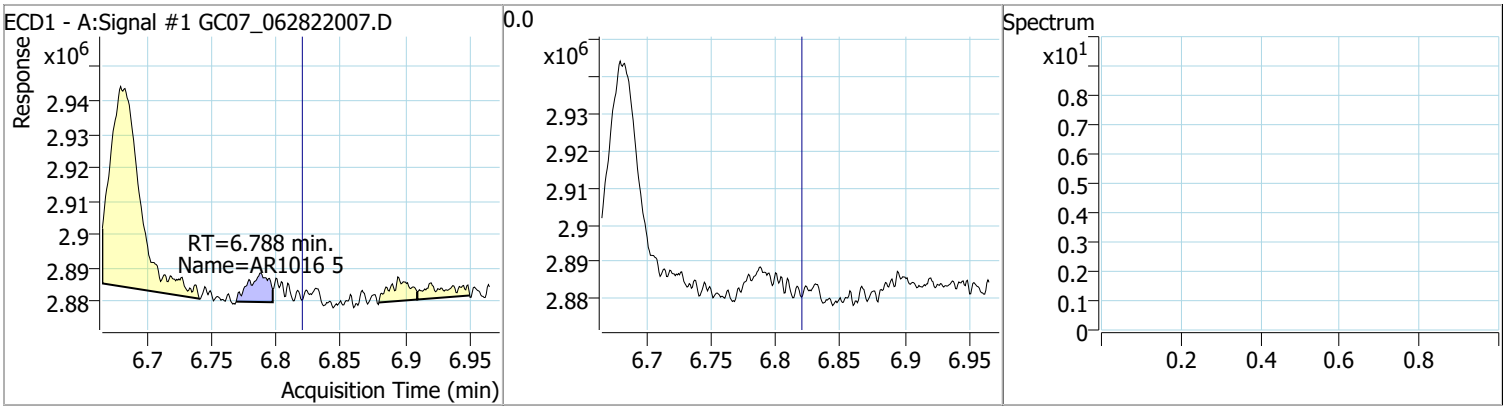
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	2.3826	6.30	-0.01	8193				



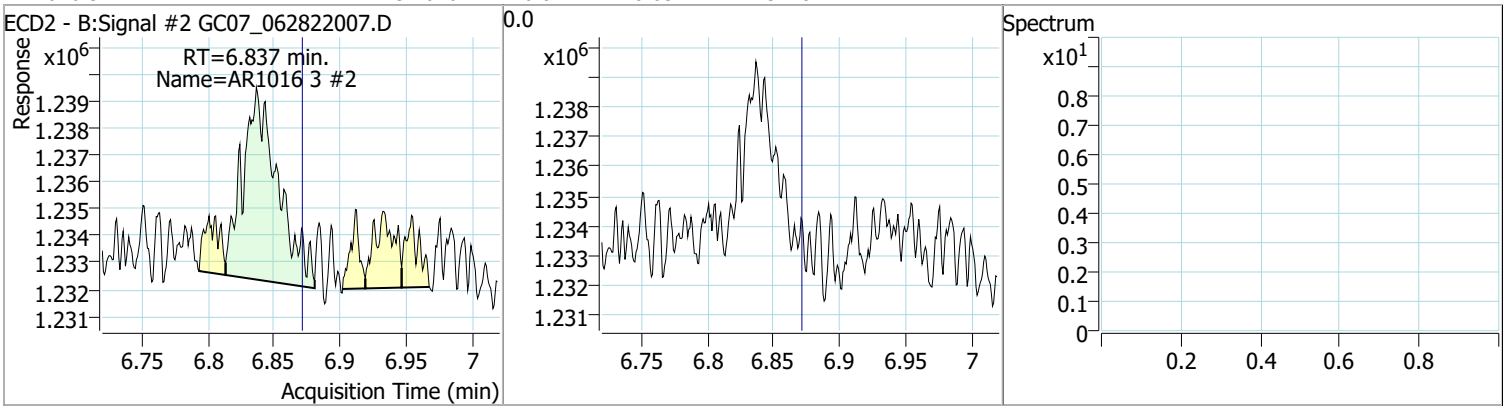
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	7.1050	6.38	0.04	69049				



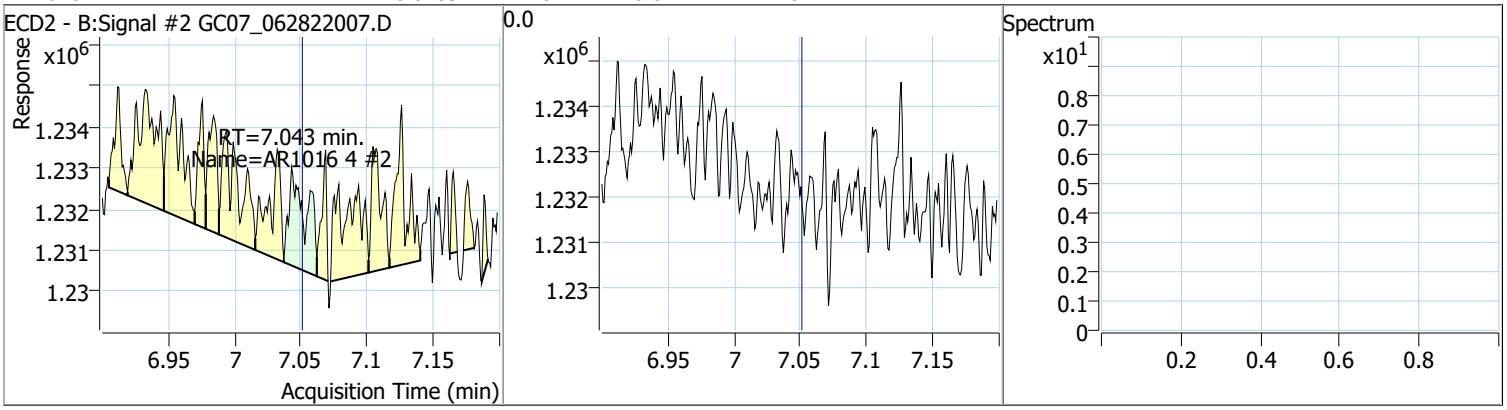
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1.1561	6.79	-0.02	9358				



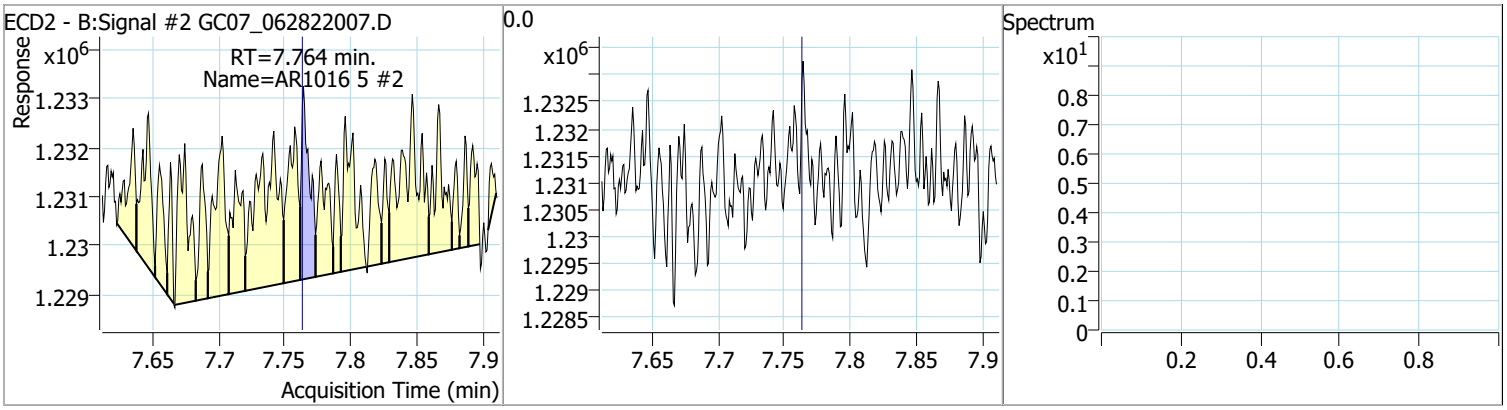
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	3.4016	6.84	-0.03	13418				



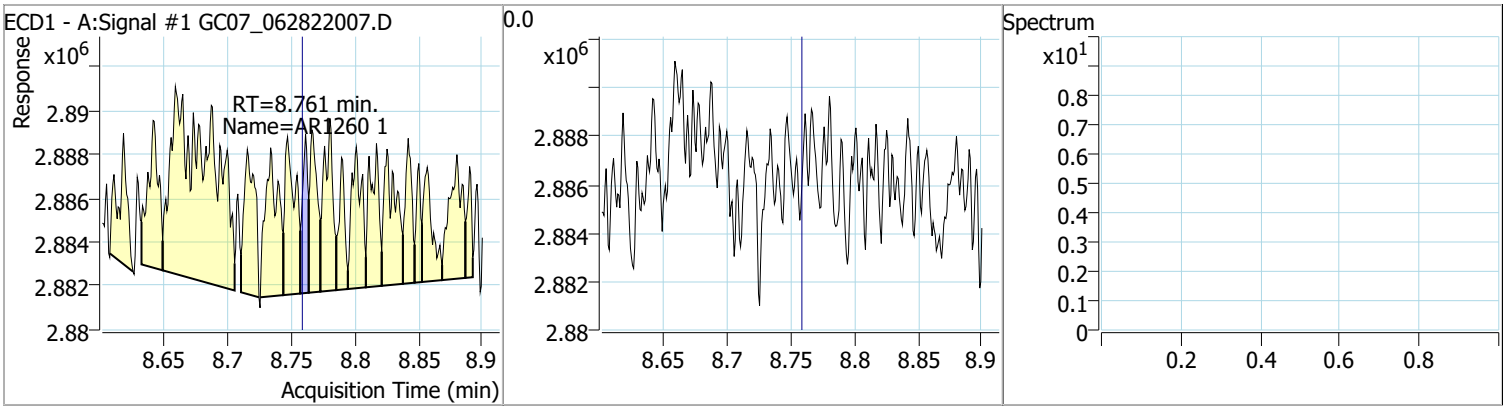
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.8183	7.04	-0.01	2240				



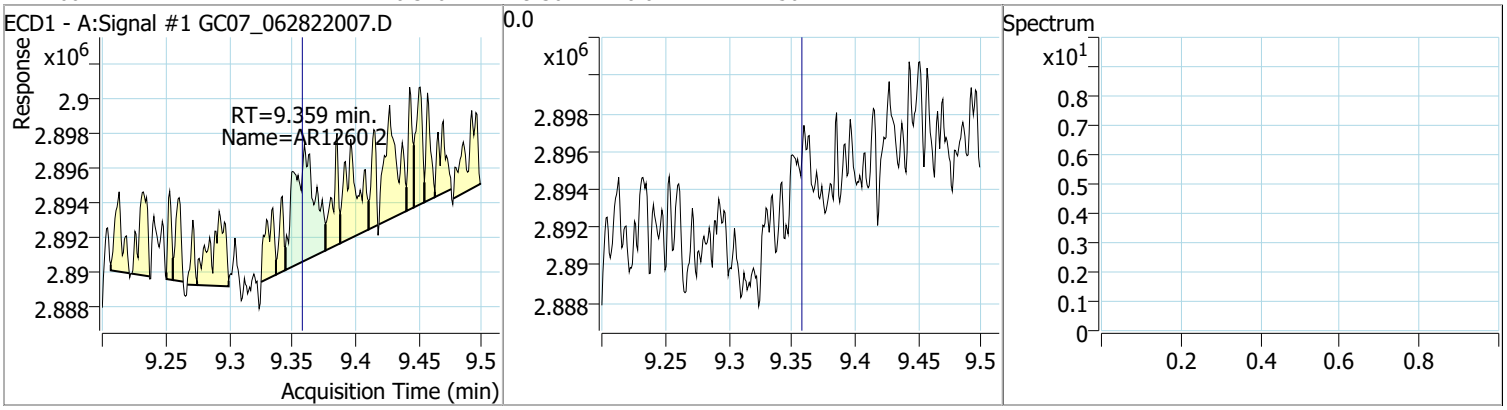
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.7281	7.76	0.00	1665				



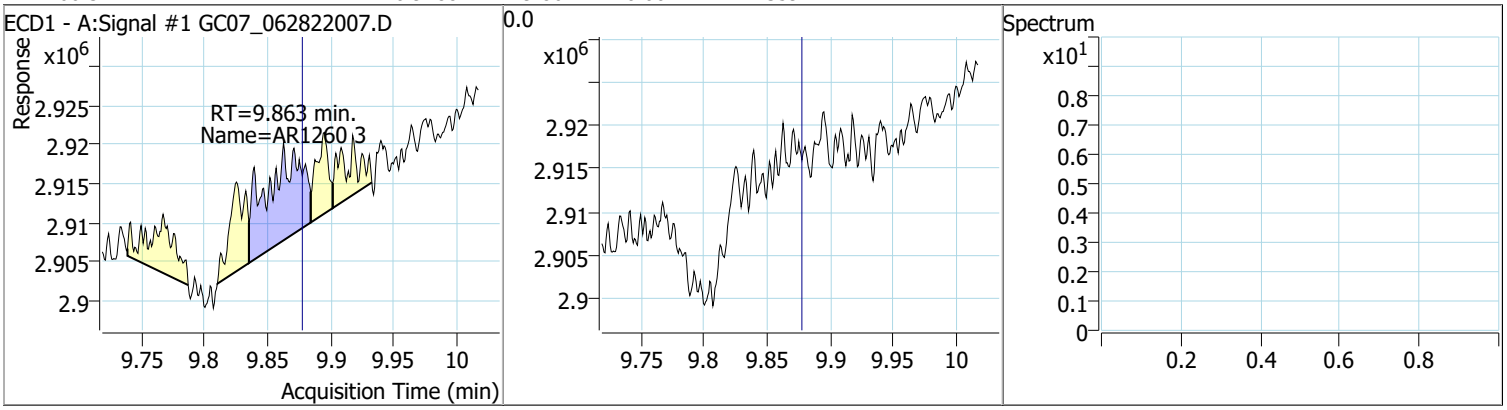
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	0.1229	8.76	0.02	2100				



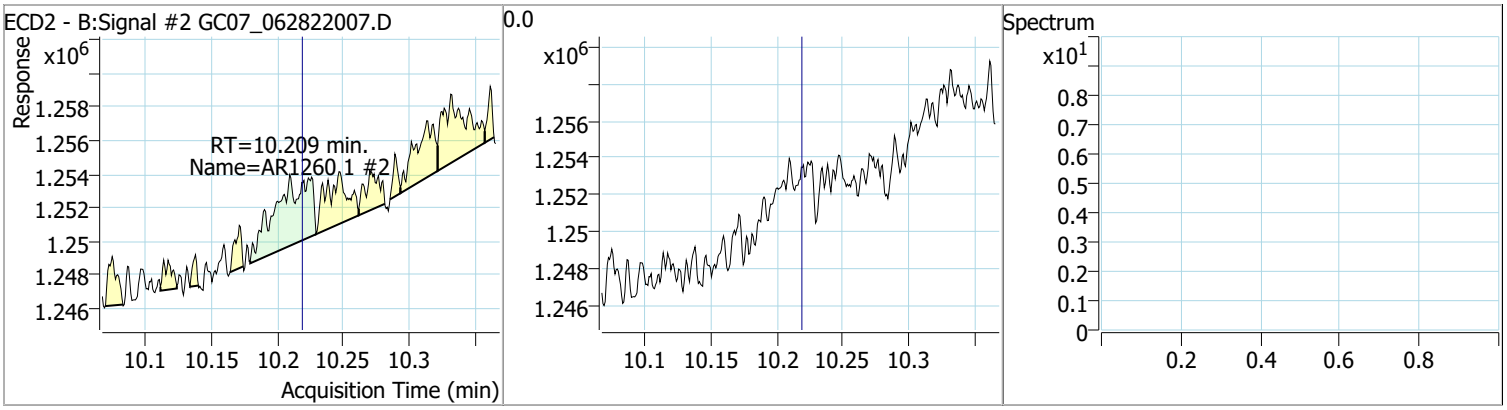
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.3161	9.36	0.02	7756				



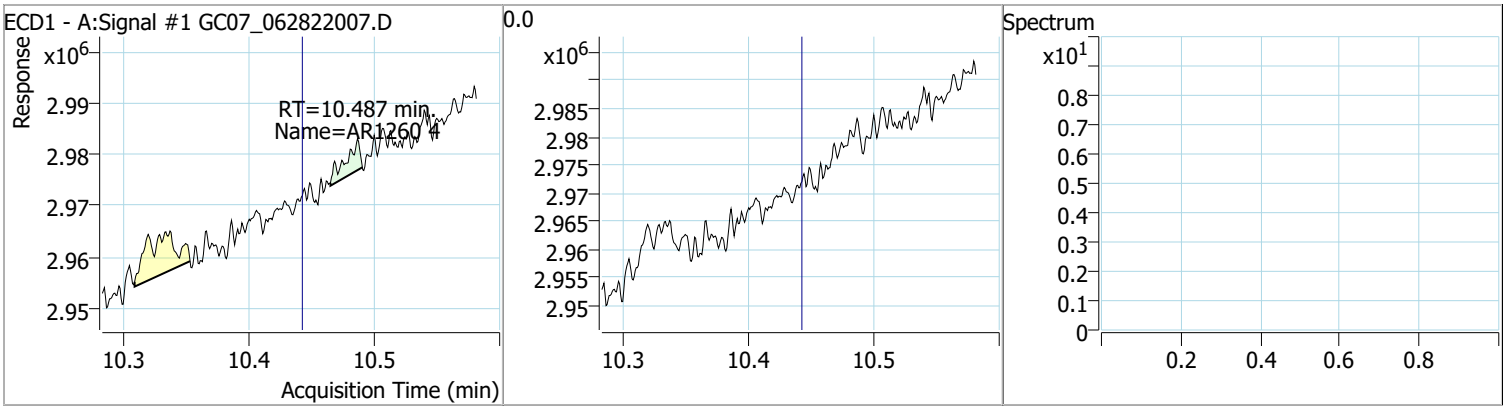
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	0.9488	9.86	0.00	23594				



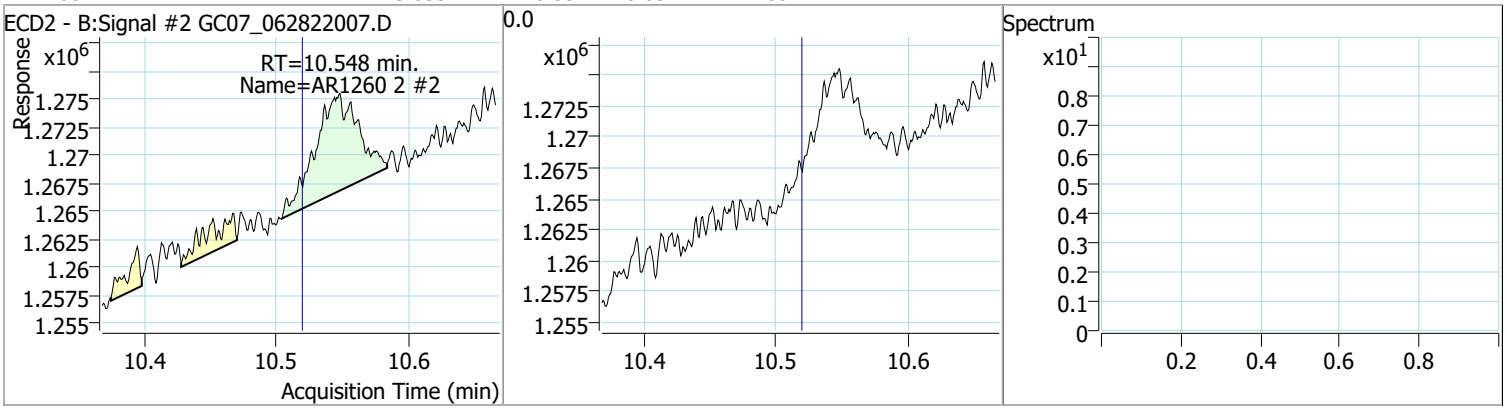
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1.5059	10.21	-0.01	7479				



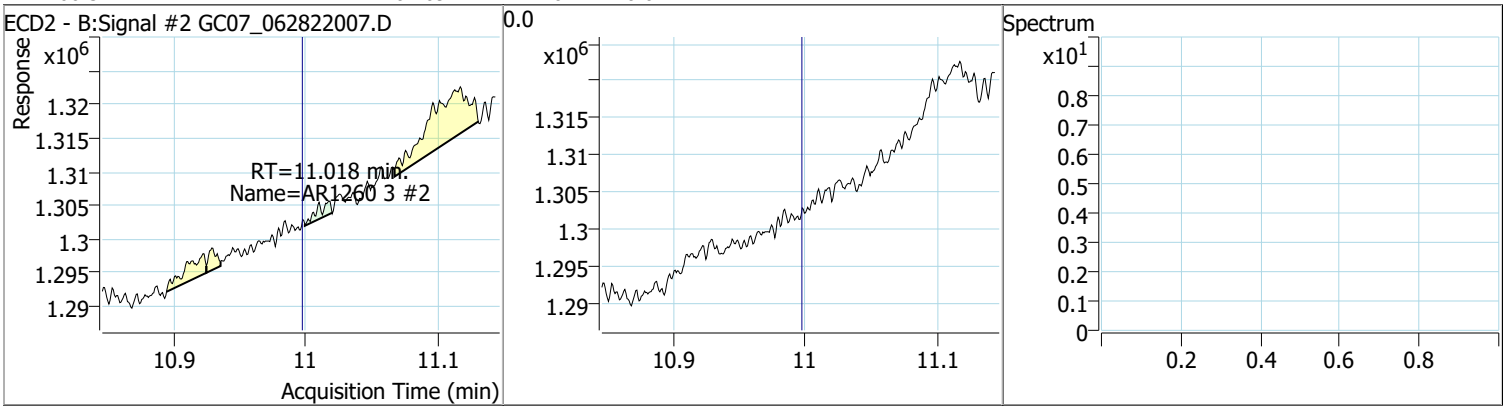
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	0.3897	10.49	0.06	4954				



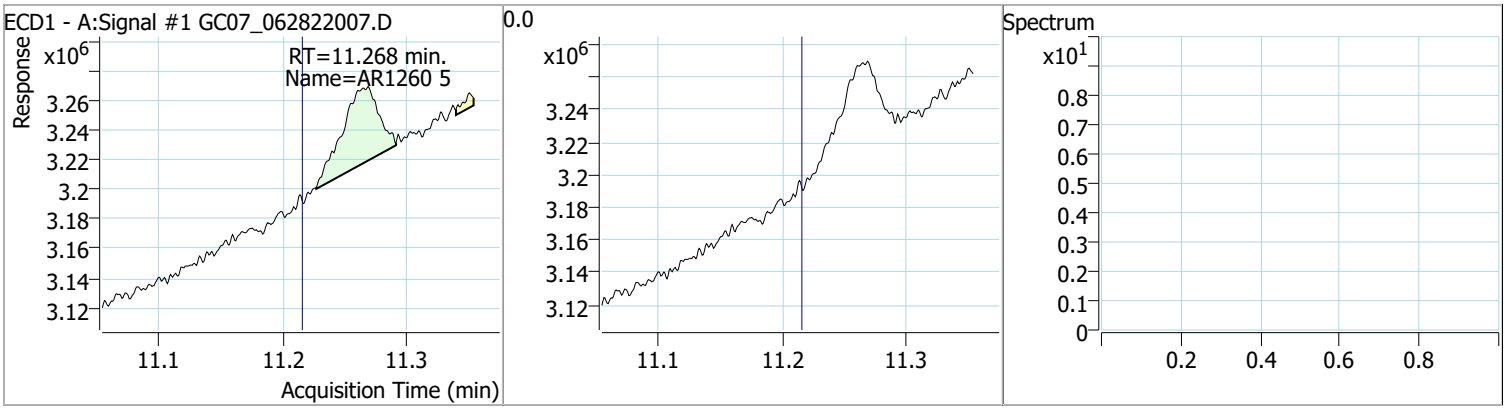
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	3.6332	10.55	0.03	20047				



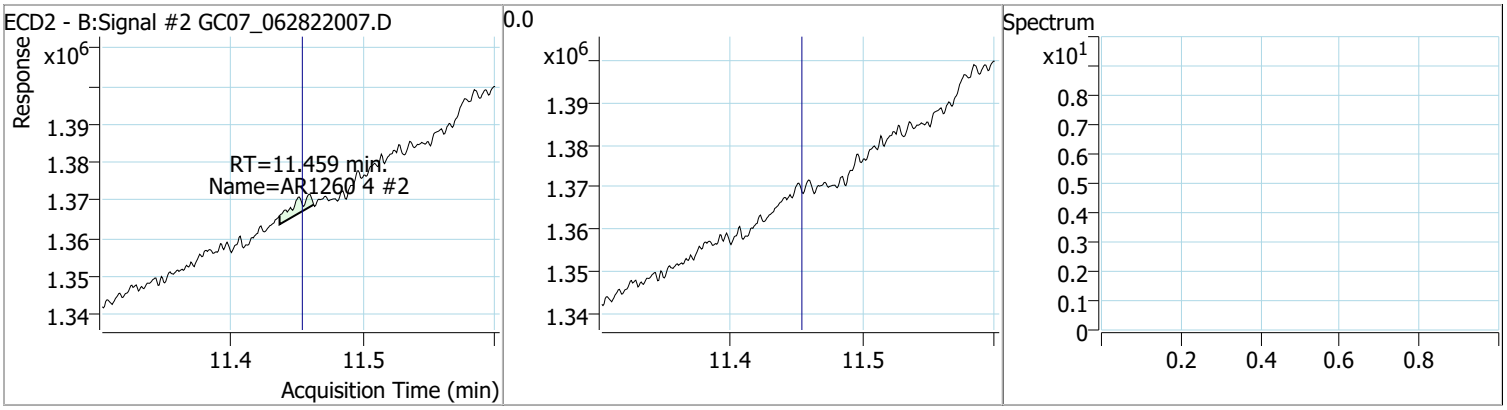
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	0.2094	11.02	0.02	1422				



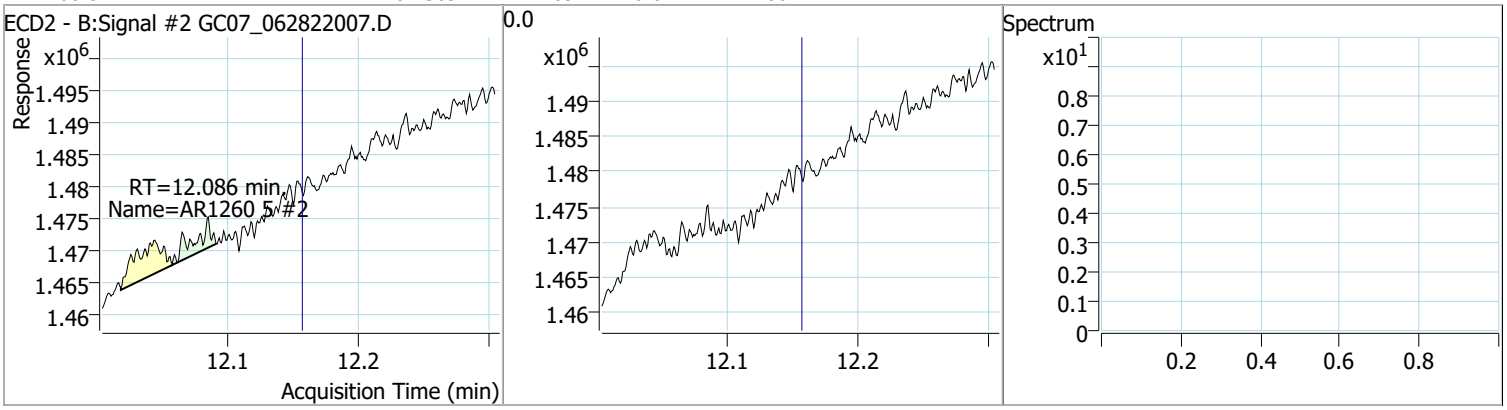
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	9.1788	11.27	0.07	107129				



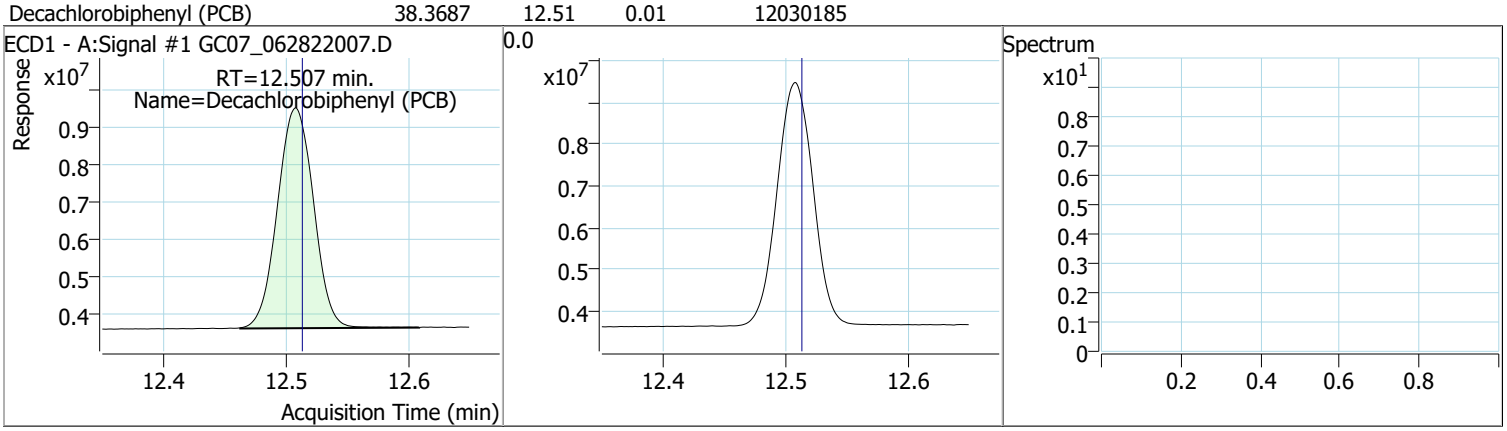
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1.0550	11.46	0.01	4020				



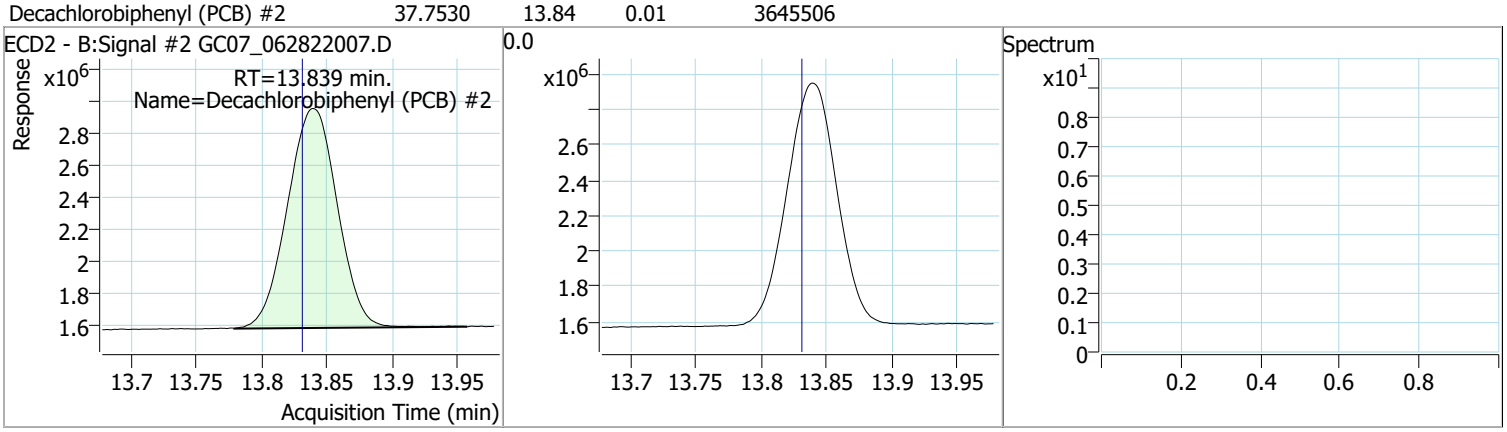
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	0.7309	12.09	-0.07	4002				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	38.3687	12.51	0.01	12030185				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	37.7530	13.84	0.01	3645506				



ENTHALPY SPIKE USER REPORT FOR 464779 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC07	Inst:	SVOA-GC07
Seqnum:	462258436008.5	Seqnum:	462258436009.5
File:	gc07_062822008	File:	gc07_062822009
IDF:	1.0	IDF:	1.0
Lab ID:	QC997362	Lab ID:	QC997363
Matrix:	Wipe	Matrix:	Wipe
Batch:	291960	Batch:	291960
Time:	28-JUN-2022 12:55	Time:	28-JUN-2022 13:13
Cal:	462252739001	Cal:	462252739001
Units:	ug/dm2		

- BS: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Aroclor-1016	5.000	403.1	4.031	B	81	446.6	4.466	B	89	60-140	10	20	u
Aroclor-1016 Peak # 1		405.7	4.057	B		453.0	4.530	B					
Aroclor-1016 Peak # 2		385.8	3.858	B		428.6	4.286	B					
Aroclor-1016 Peak # 3		408.9	4.089	B		446.9	4.469	B					
Aroclor-1016 Peak # 4		417.6	4.176	B		463.3	4.633	B					
Aroclor-1016 Peak # 5		397.5	3.975	B		441.1	4.411	B					
Aroclor-1260	5.000	435.5	4.355	B	87	484.5	4.845	B	97	60-140	11	20	u
Aroclor-1260 Peak # 1		403.5	4.035	B		440.9	4.409	B					
Aroclor-1260 Peak # 2		411.8	4.118	B		455.5	4.555	B					
Aroclor-1260 Peak # 3		419.6	4.196	B		464.1	4.641	B					
Aroclor-1260 Peak # 4		459.4	4.594	B		524.2	5.242	B					
Aroclor-1260 Peak # 5		483.2	4.832	B		537.6	5.376	B					
Surrogates													
TCMX (PCB)	0.5000	41.02	0.4102	B	82	45.08	0.4508	B	90	52-186			u
Decachlorobiphenyl (PCB)	0.5000	36.32	0.3632	B	73	39.78	0.3978	B	80	60-140			u

ISTD (CCV gc07_062822004)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1389469	1410452	1.51
1-bromo-2-nitrobenzene (PCB)	A	5233508	5058676	-3.34

ISTD (CCV gc07_062822004)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.25	4.25	0.00

ISTD (CCV gc07_062822004)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1389469	1222092	-12.05
1-bromo-2-nitrobenzene (PCB)	A	5233508	4449476	-14.98

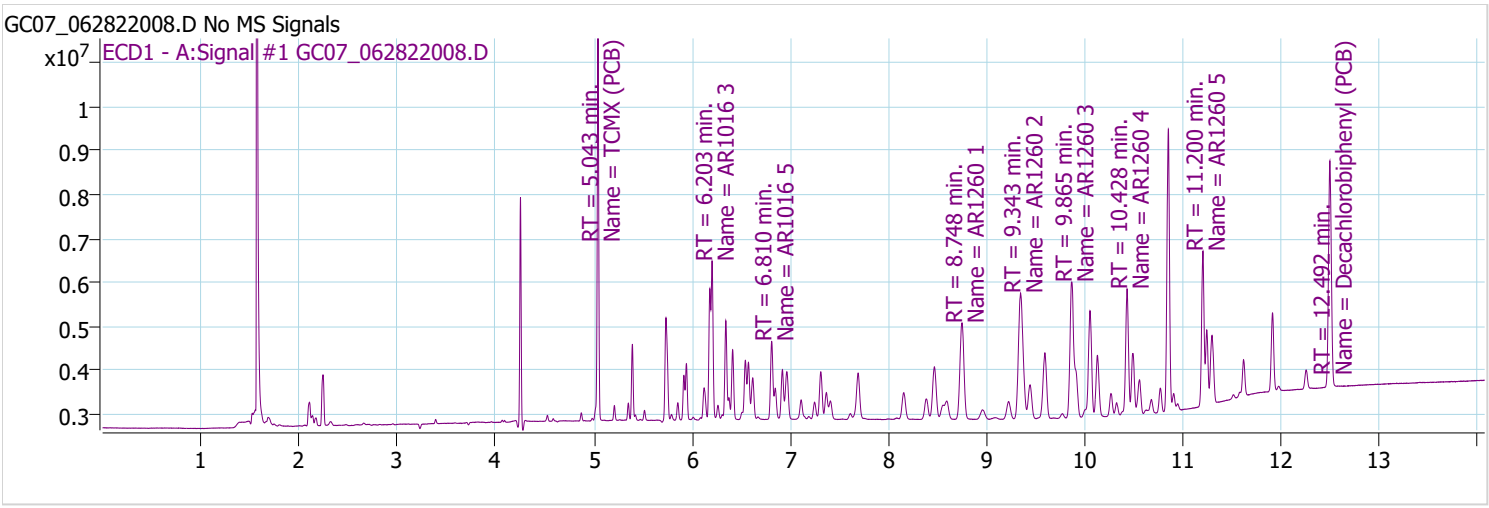
ISTD (CCV gc07_062822004)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.25	4.25	0.00

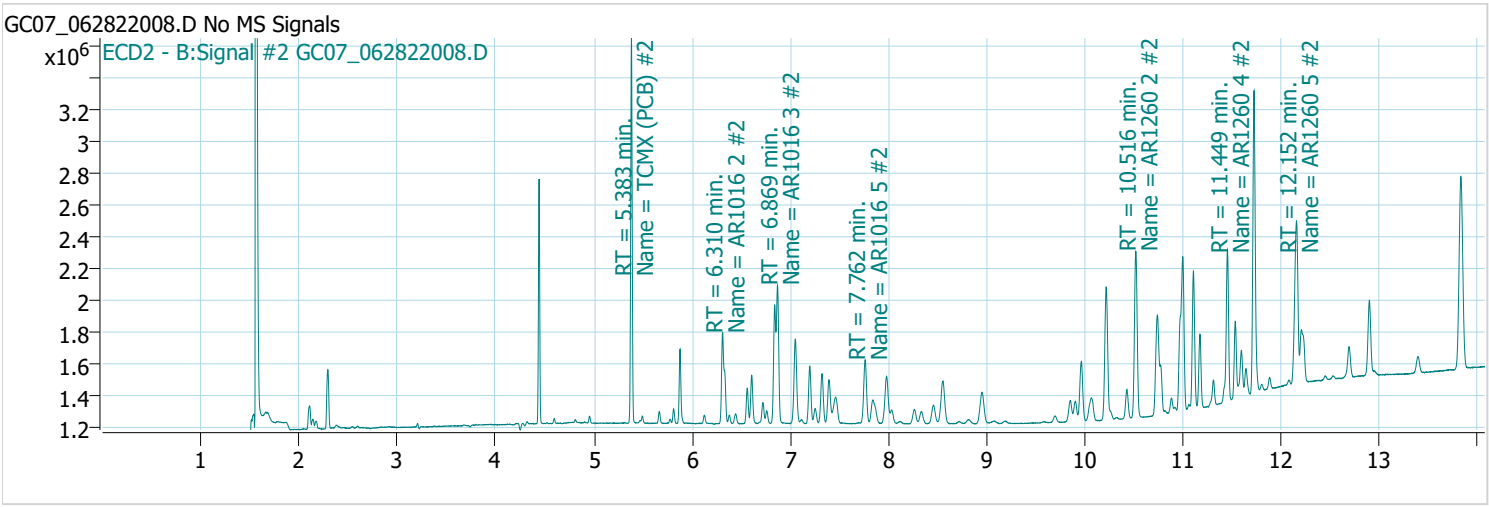
Analyst: TRN 06/29/22 *

Reviewer: SLL 06/29/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC07_062822008.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/28/2022 12:55:30 PM
Sample Name	QC997362, 291960, 1	Instrument	SVOA-GC07
Vial	2	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_2.m	Comment	Wipe/1s-20ml//3580 method
Tune File	ATUNE.U	Tune Date	
Batch Name	062822PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



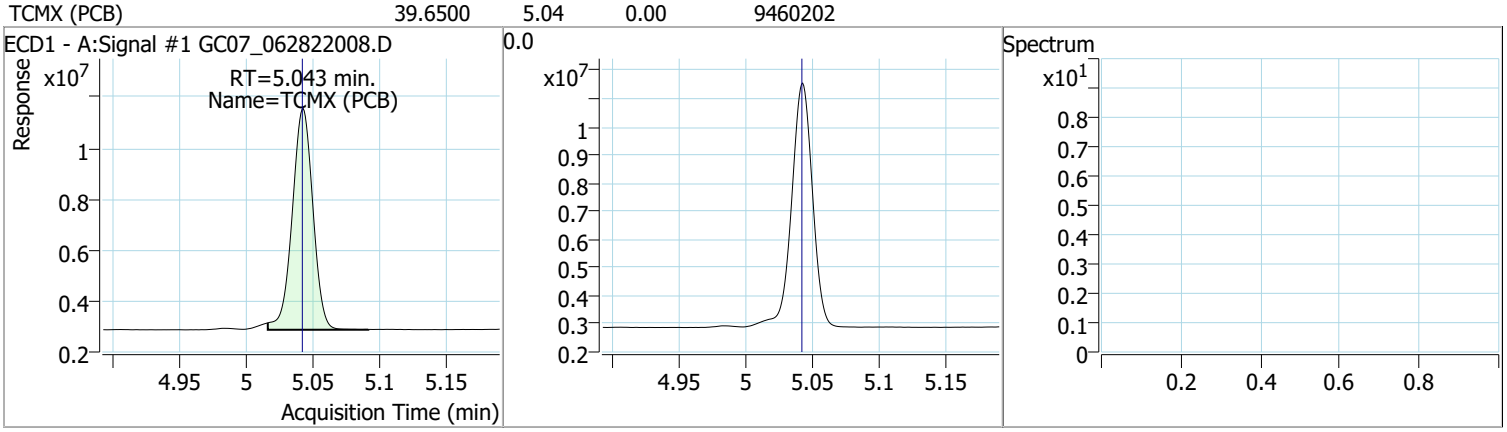


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.253	0.0	5058676.467	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.443	0.0	1410452.089	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.043	0.0	9460202.415	39.6500	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 198.25%		*	
S TCMX (PCB) #2	5.383	0.0	2624088.809	40.9949	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 204.97%		*	
S Decachlorobiphenyl (PCB)	12.492	0.0	10406788.809	36.8273	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 184.14%		*	
S Decachlorobiphenyl (PCB) #2	13.825	0.0	3152930.227	36.3027	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 181.51%		*	
Target Compounds							QValue

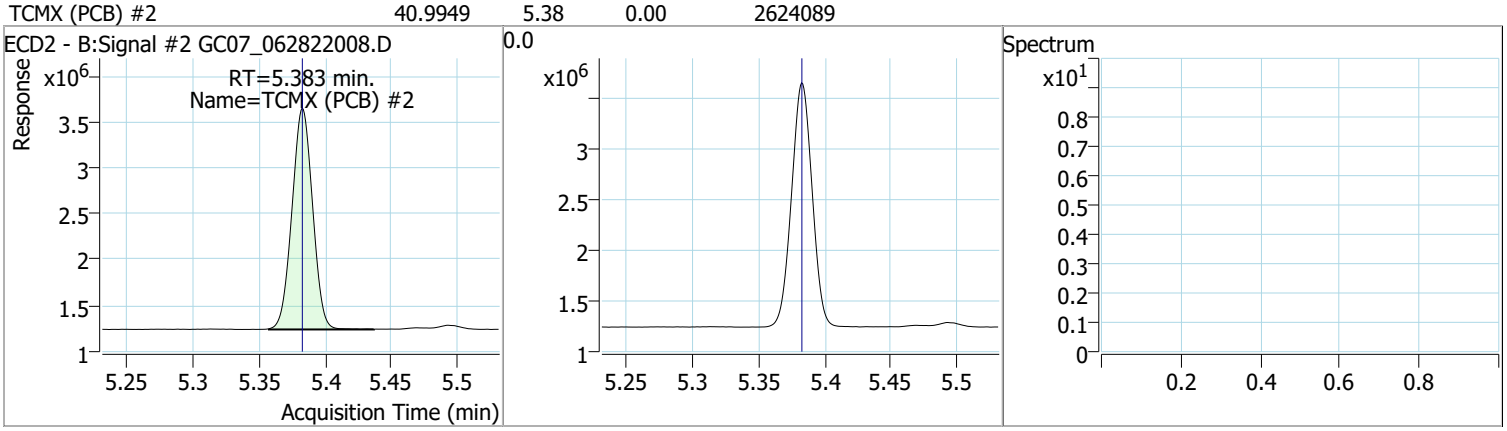
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.393	0.0	2042232.117	420.8091	ng/ml	100
T AR1016 2	5.734	0.0	4210470.418	400.3010	ng/ml	100
T AR1016 1 #2	5.878	0.0	575998.208	405.5196	ng/ml	100
T AR1016 3	6.203	0.0	4874919.647	400.2396	ng/ml	100
T AR1016 2 #2	6.310	0.0	1192689.140	385.6141	ng/ml	100
T AR1016 4	6.343	0.0	3265624.864	372.8404	ng/ml	100
T AR1016 5	6.810	0.0	3028156.847	415.0570	ng/ml	100
T AR1016 3 #2	6.869	0.0	1449905.228	408.6720	ng/ml	100
T AR1016 4 #2	7.051	0.0	1027616.874	417.3300	ng/ml	100
T AR1016 5 #2	7.762	0.0	817198.873	397.2938	ng/ml	100
T AR1260 1	8.748	0.0	6317455.797	410.0422	ng/ml	100
T AR1260 2	9.343	0.0	9460529.993	427.7555	ng/ml	100
T AR1260 3	9.865	0.0	9817623.664	438.0413	ng/ml	100
T AR1260 1 #2	10.214	0.0	1801651.437	403.3306	ng/ml	100
T AR1260 4	10.428	0.0	5414288.850	472.5549	ng/ml	100
T AR1260 2 #2	10.516	0.0	2042729.981	411.6085	ng/ml	100
T AR1260 3 #2	10.994	0.0	2561858.320	419.3940	ng/ml	100
T AR1260 5	11.200	0.0	6116539.008	581.4759	ng/ml	100
T AR1260 4 #2	11.449	0.0	1573508.524	459.1201	ng/ml	100
T AR1260 5 #2	12.152	0.0	2378192.787	482.8782	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

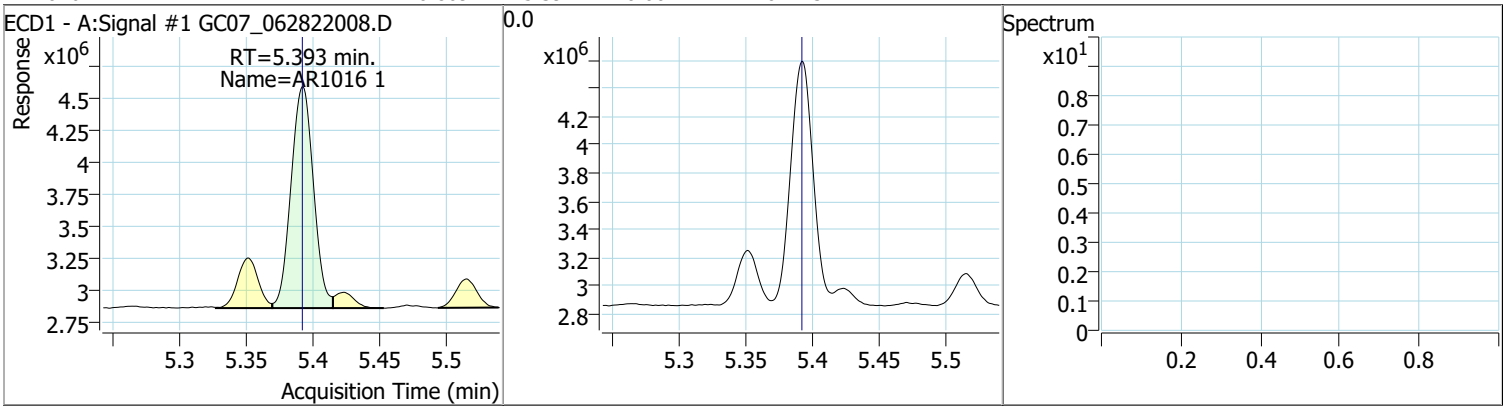
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.6500	5.04	0.00	9460202				



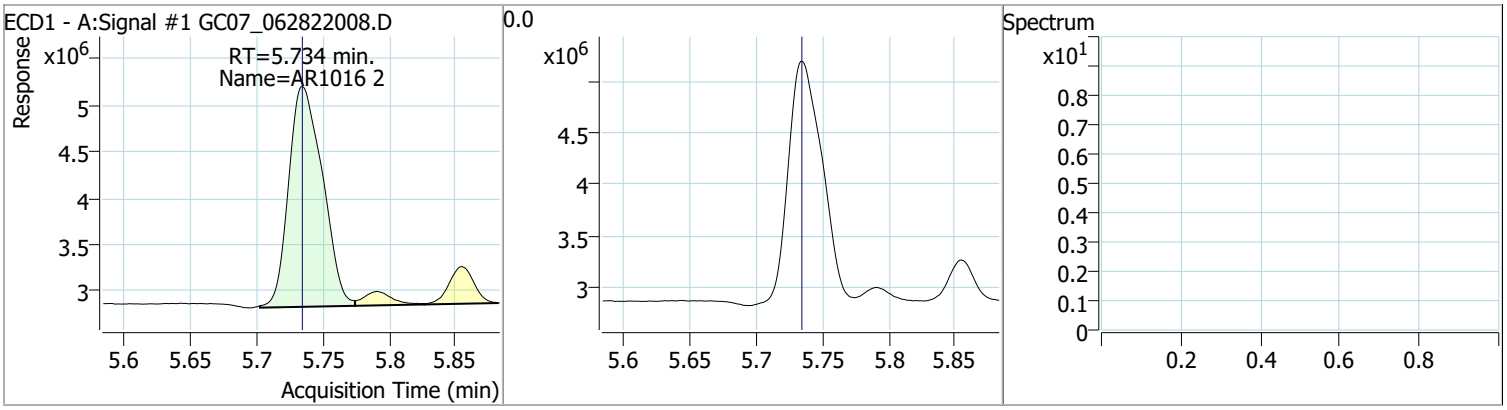
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	40.9949	5.38	0.00	2624089				



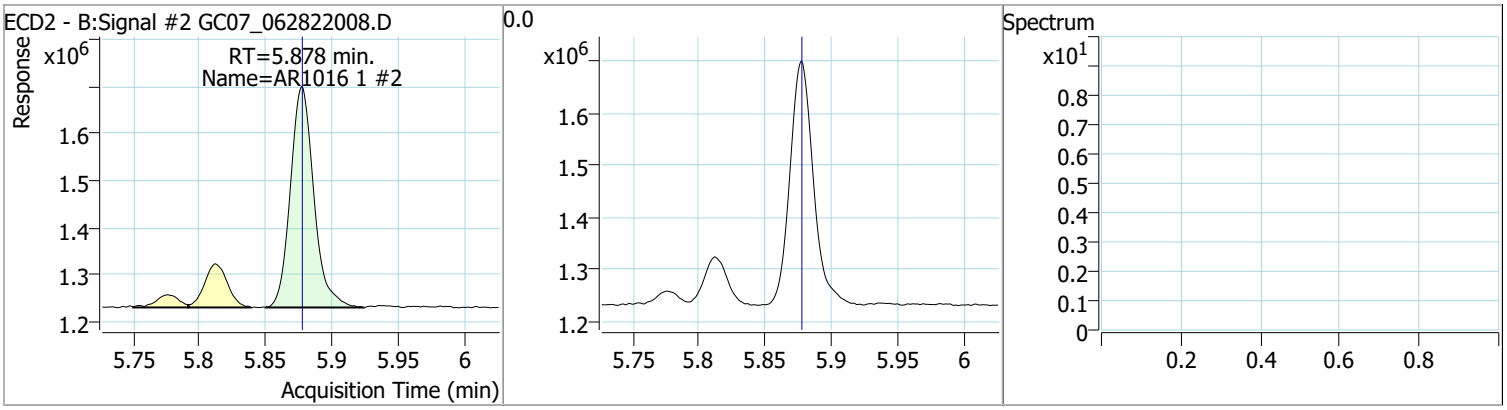
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	420.8091	5.39	0.00	2042232				



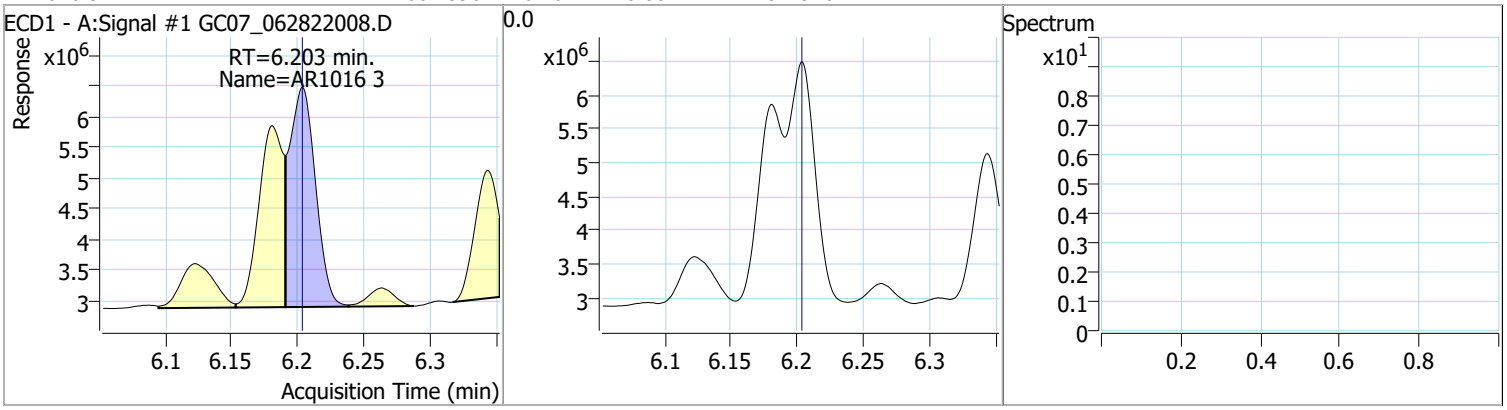
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	400.3010	5.73	0.00	4210470				



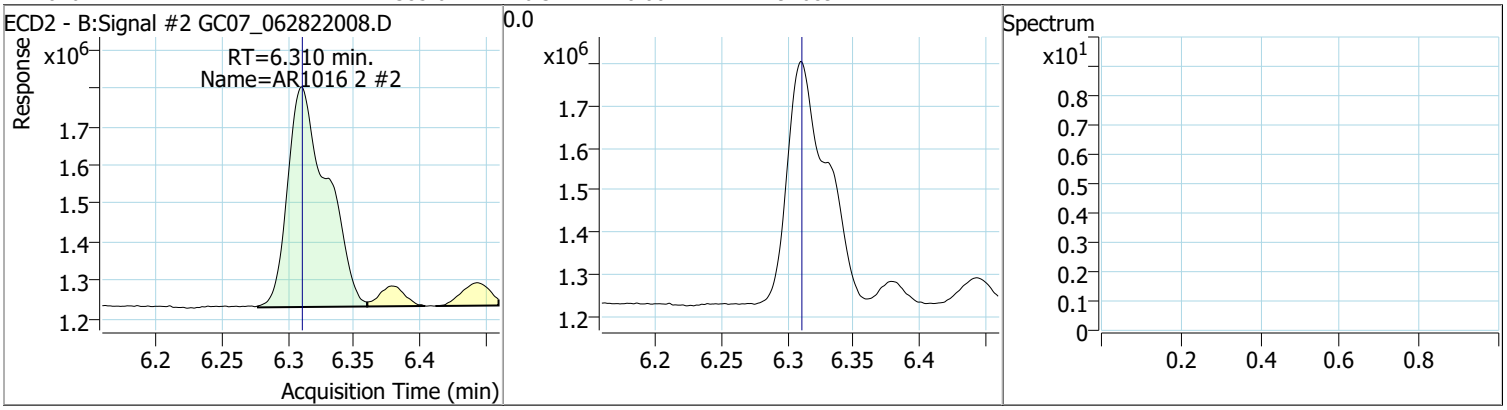
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	405.5196	5.88	0.00	575998				



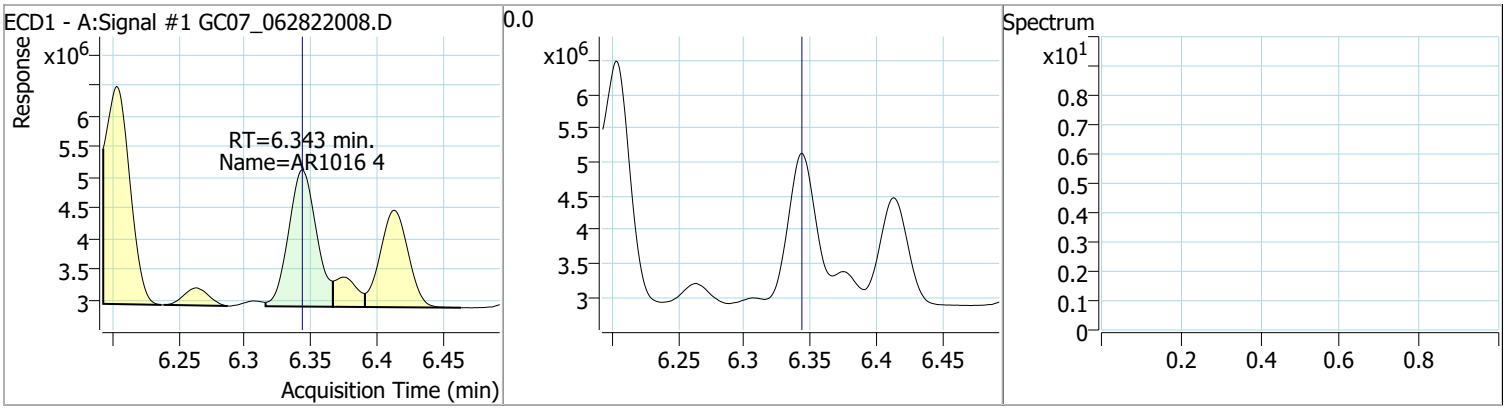
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	400.2396	6.20	0.00	4874920				



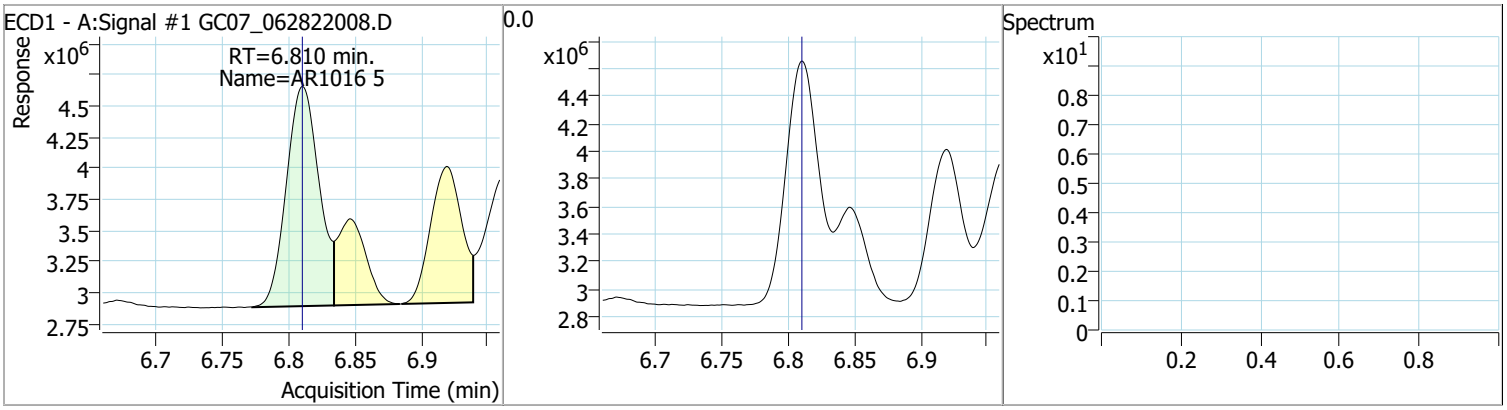
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	385.6141	6.31	0.00	1192689				



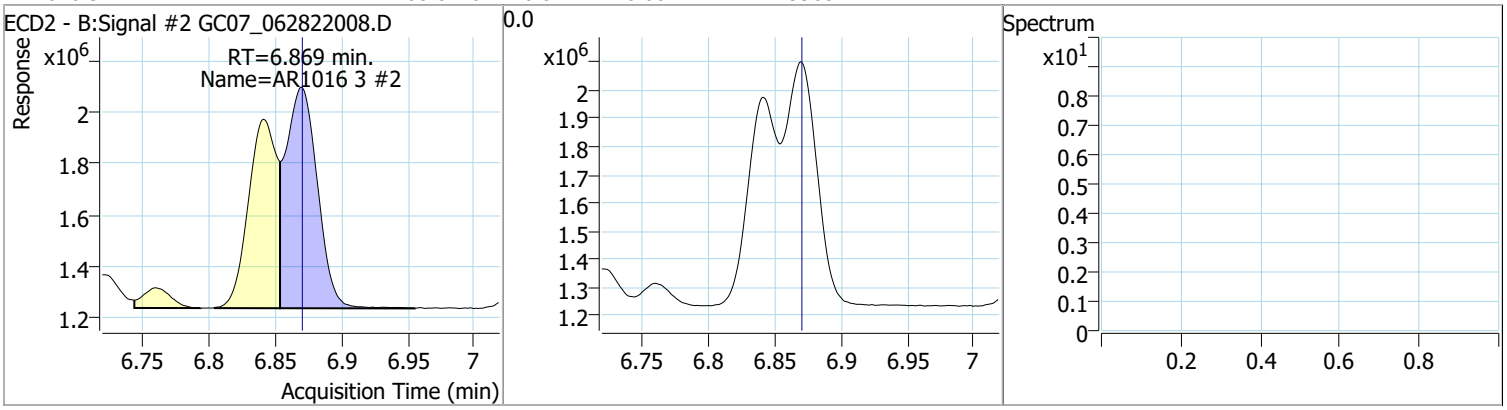
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	372.8404	6.34	0.00	3265625				



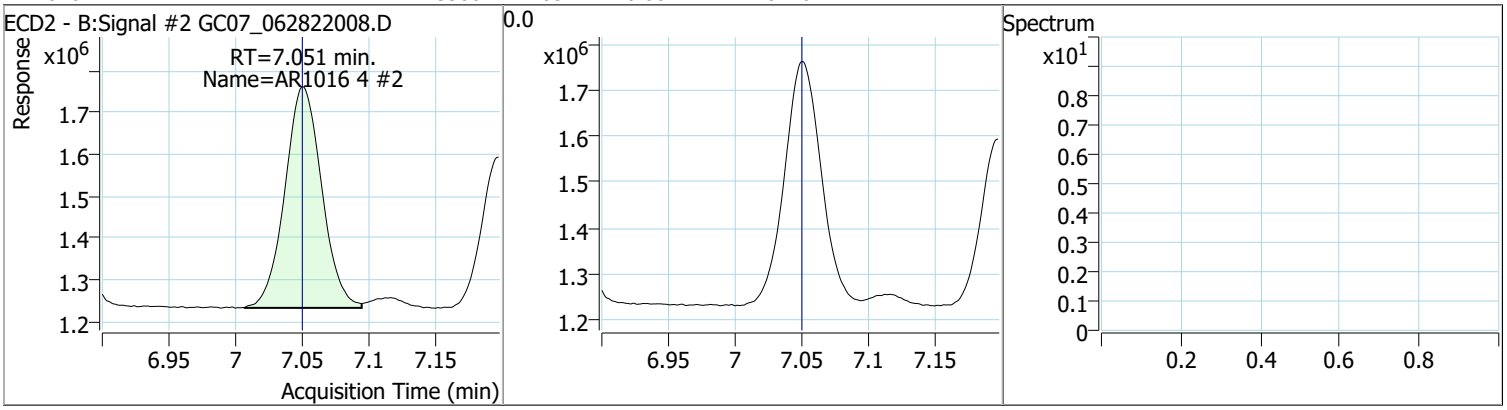
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	415.0570	6.81	0.00	3028157				



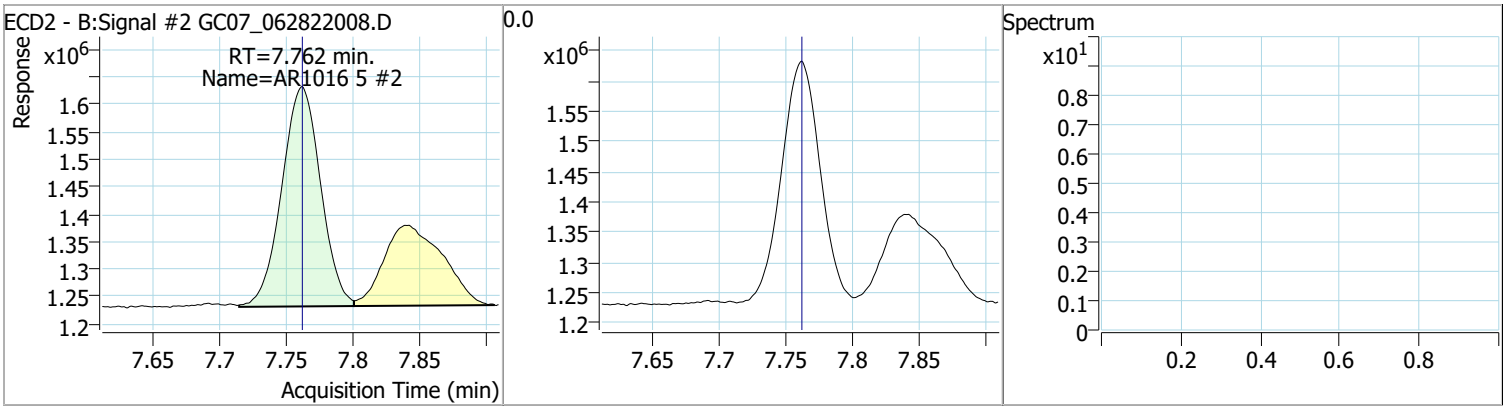
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	408.6720	6.87	0.00	1449905				



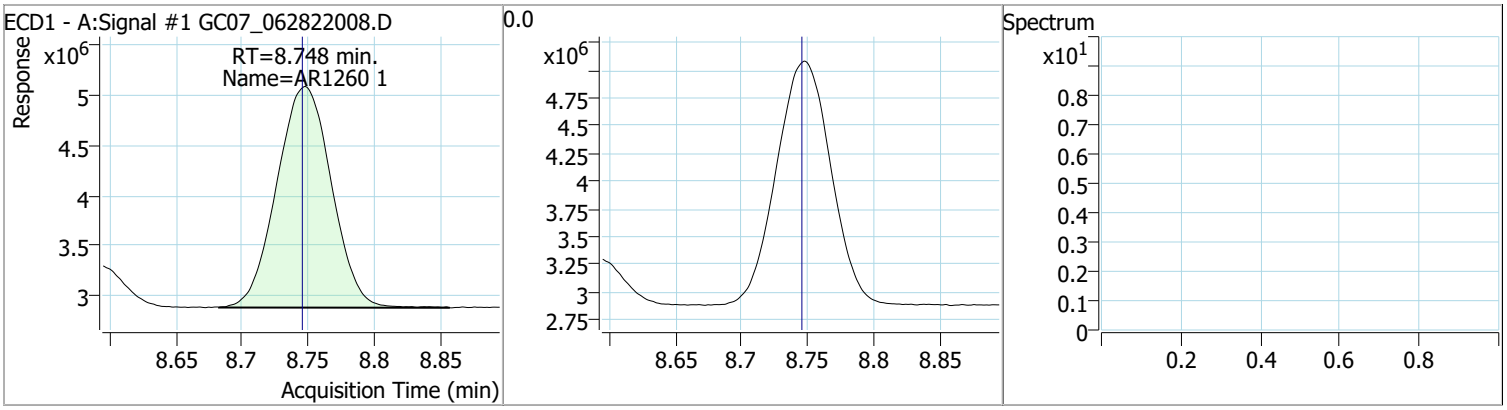
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	417.3300	7.05	0.00	1027617				



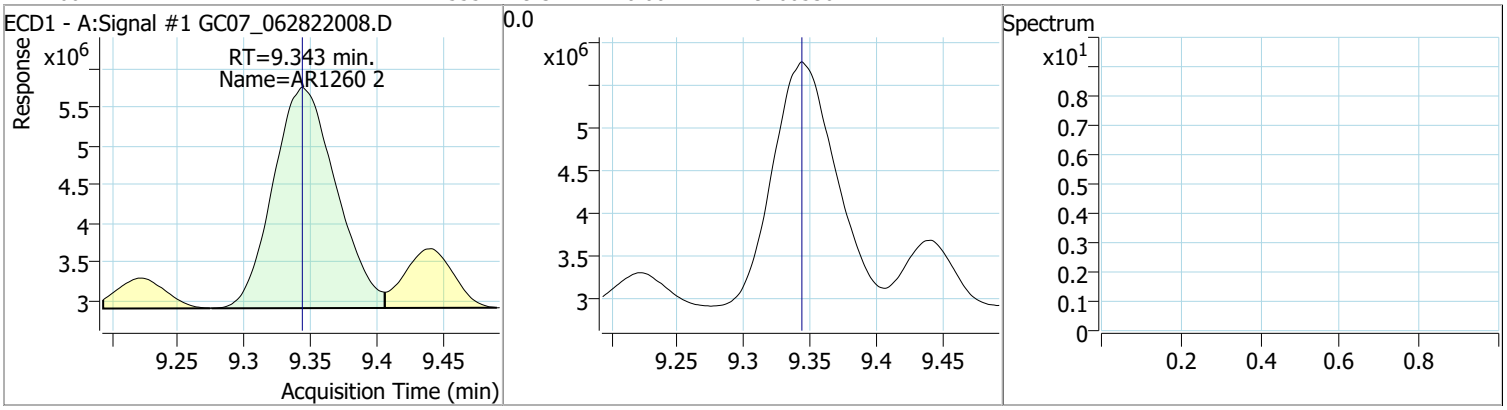
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	397.2938	7.76	0.00	817199				



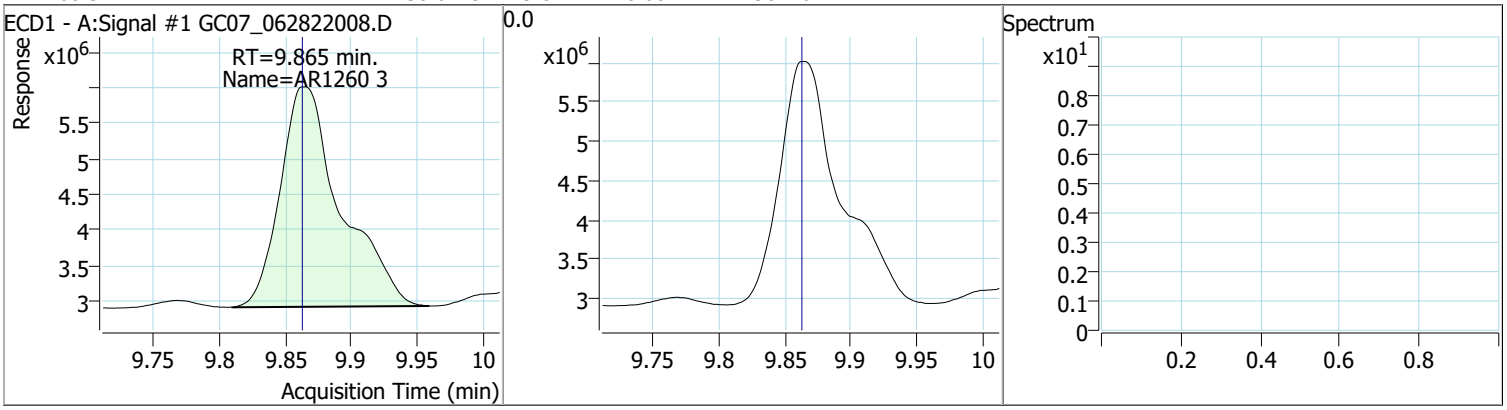
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	410.0422	8.75	0.00	6317456				



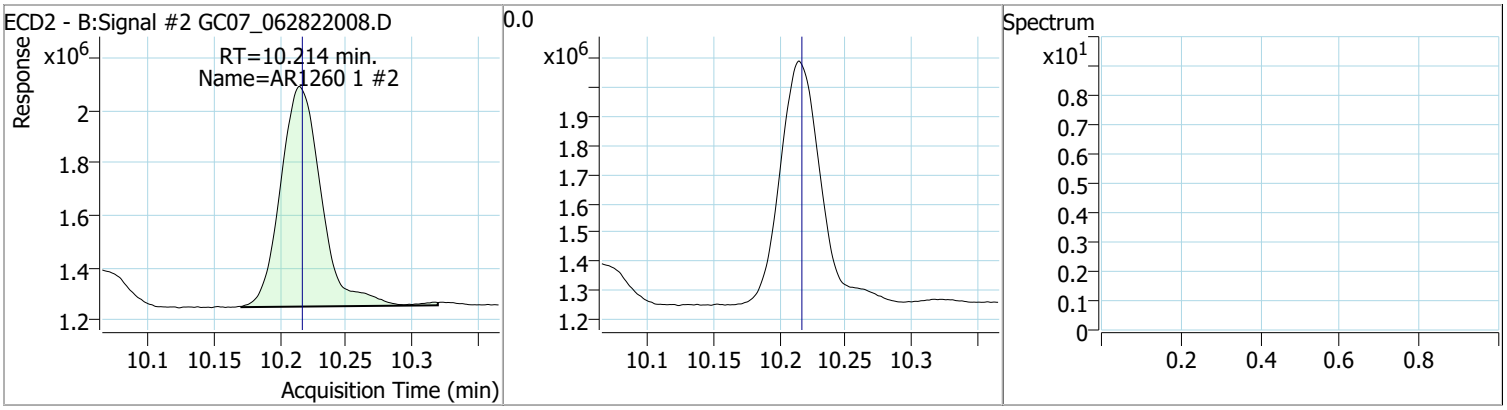
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	427.7555	9.34	0.00	9460530				



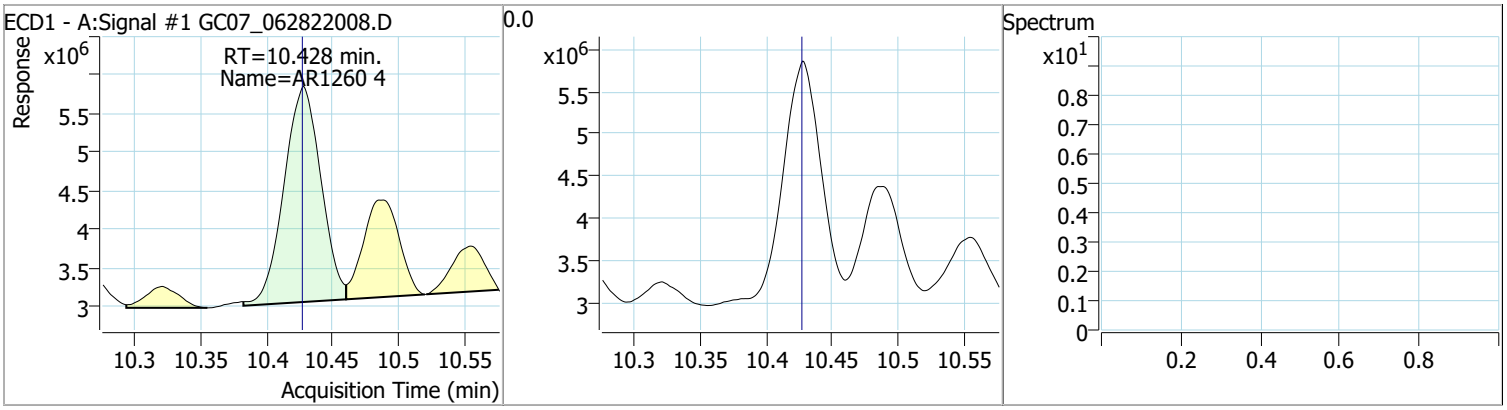
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	438.0413	9.87	0.00	9817624				



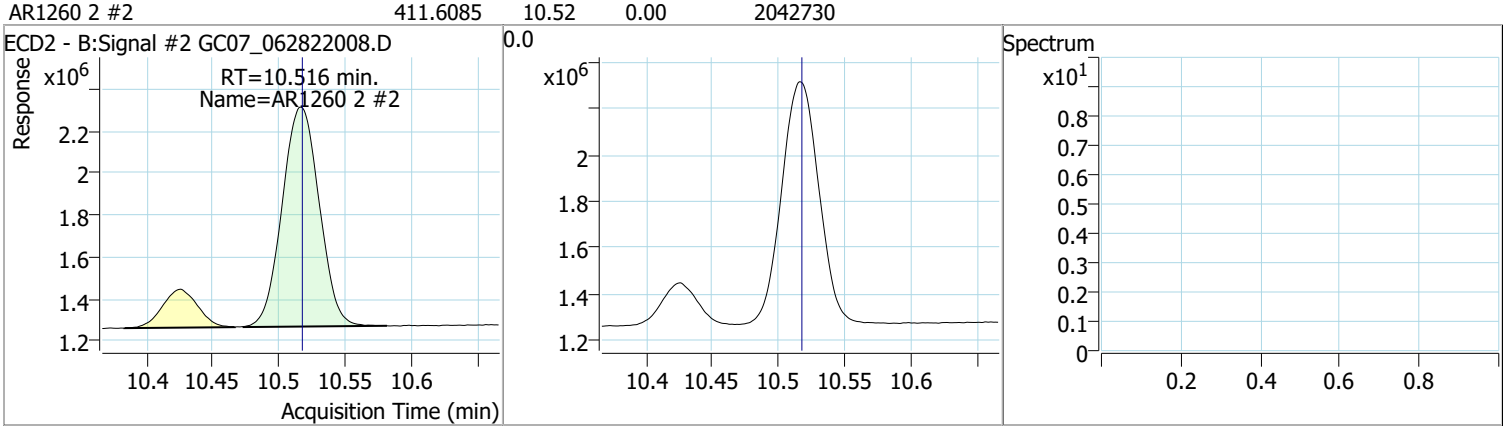
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	403.3306	10.21	0.00	1801651				



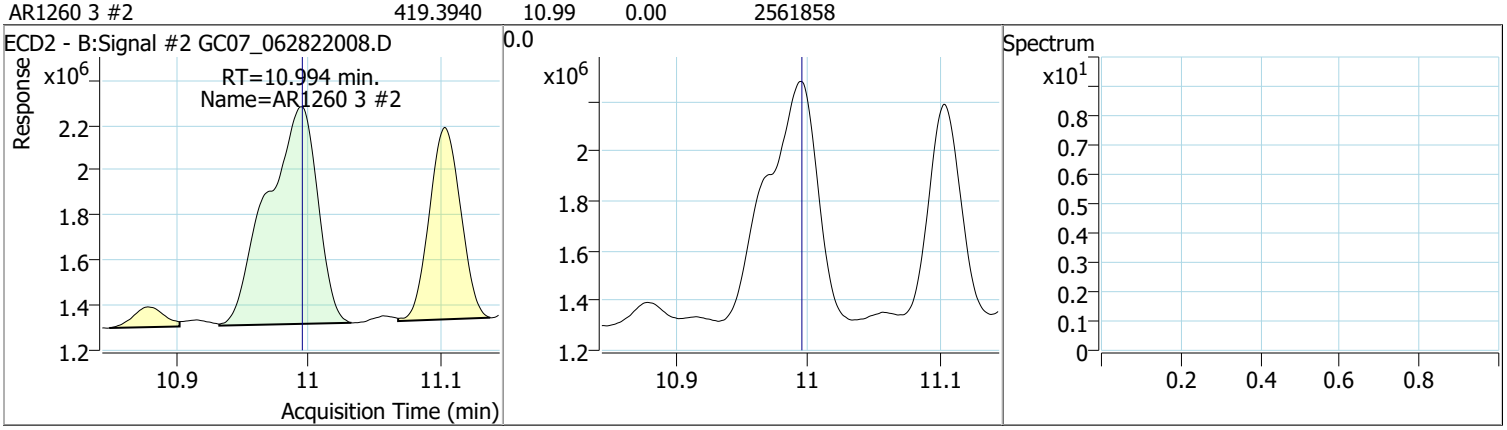
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	472.5549	10.43	0.00	5414289				



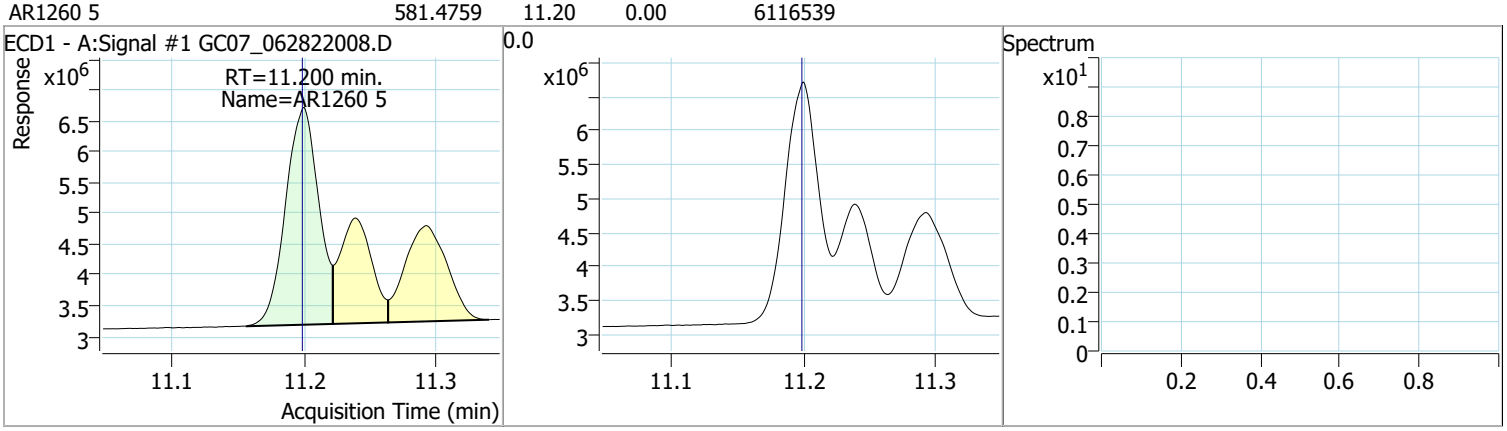
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	411.6085	10.52	0.00	2042730				



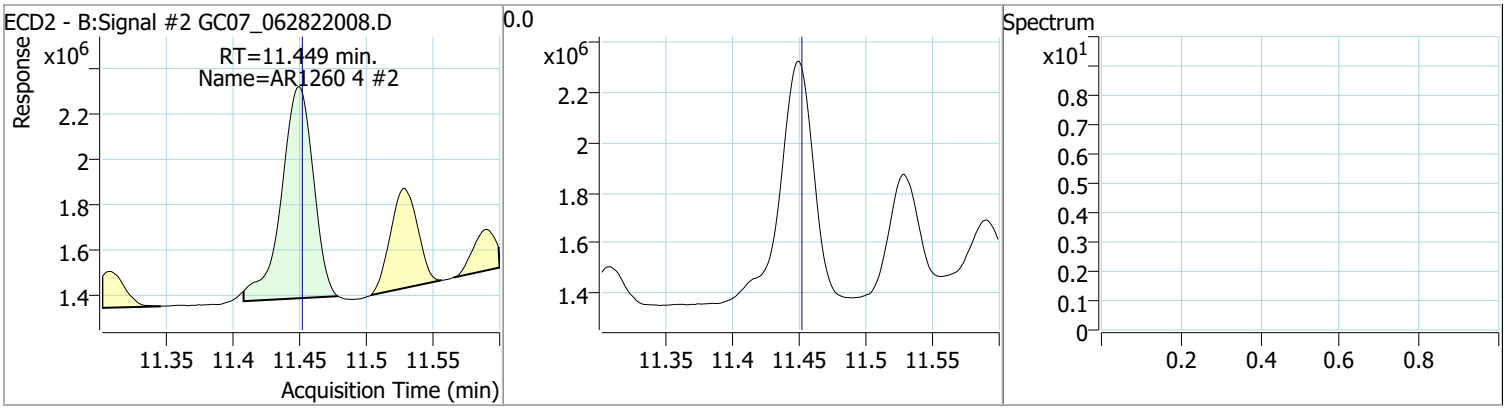
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	419.3940	10.99	0.00	2561858				



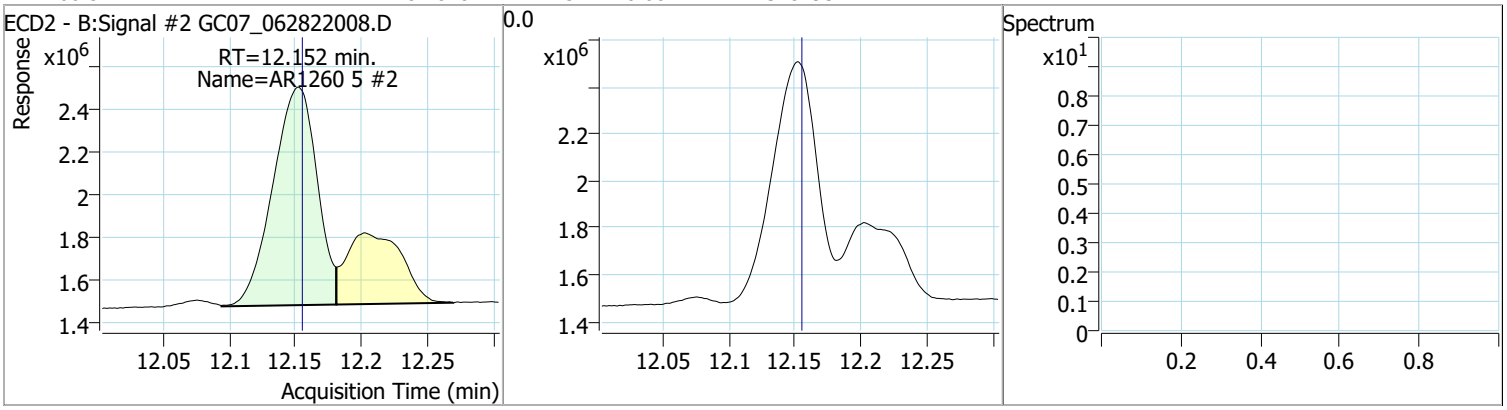
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	581.4759	11.20	0.00	6116539				



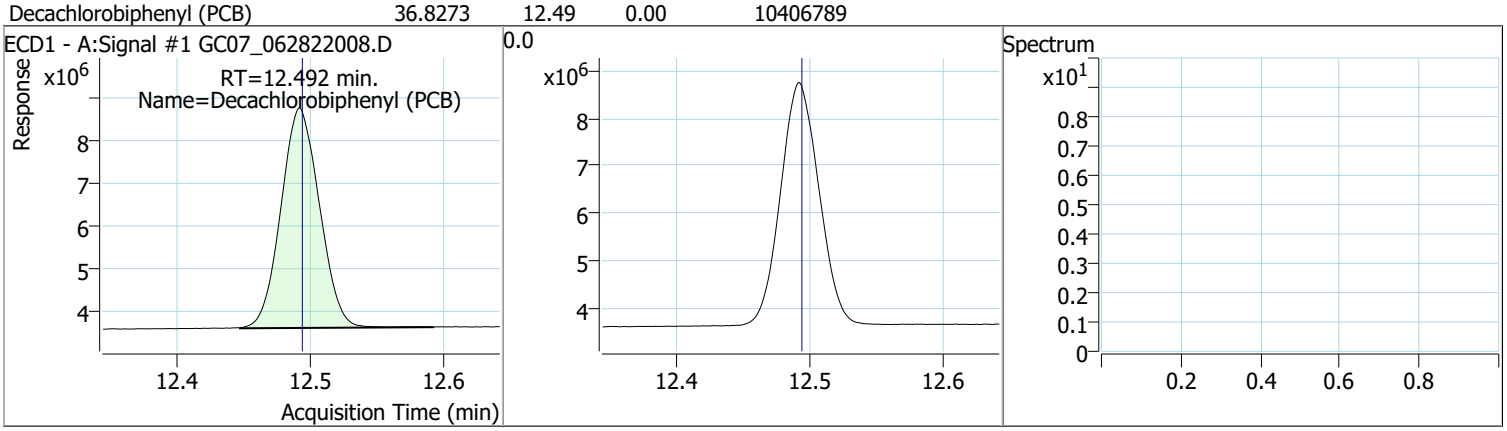
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	459.1201	11.45	0.00	1573509				



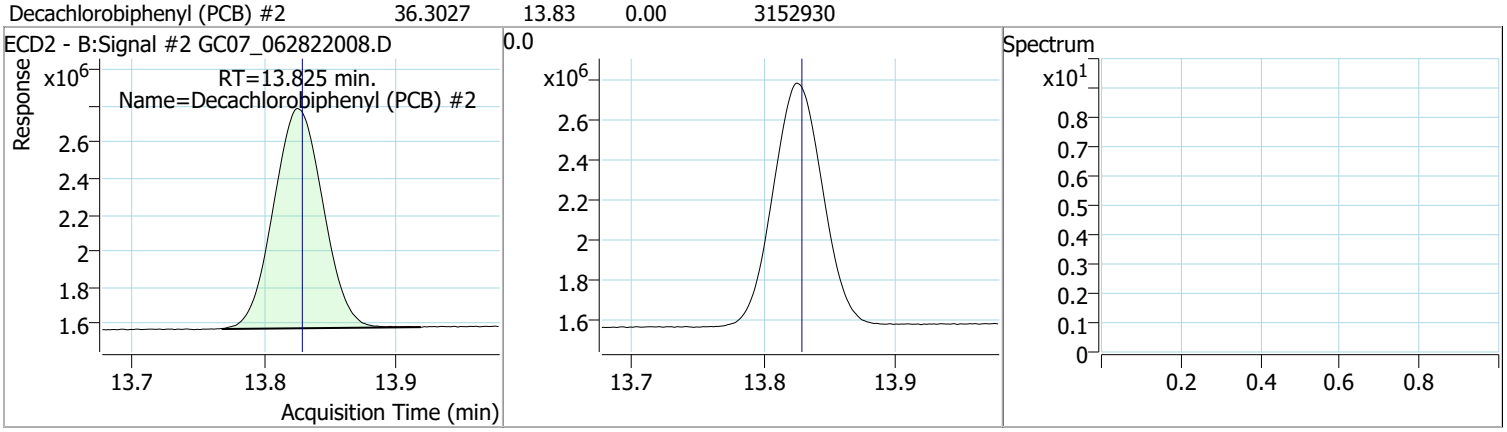
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	482.8782	12.15	0.00	2378193				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	36.8273	12.49	0.00	10406789				

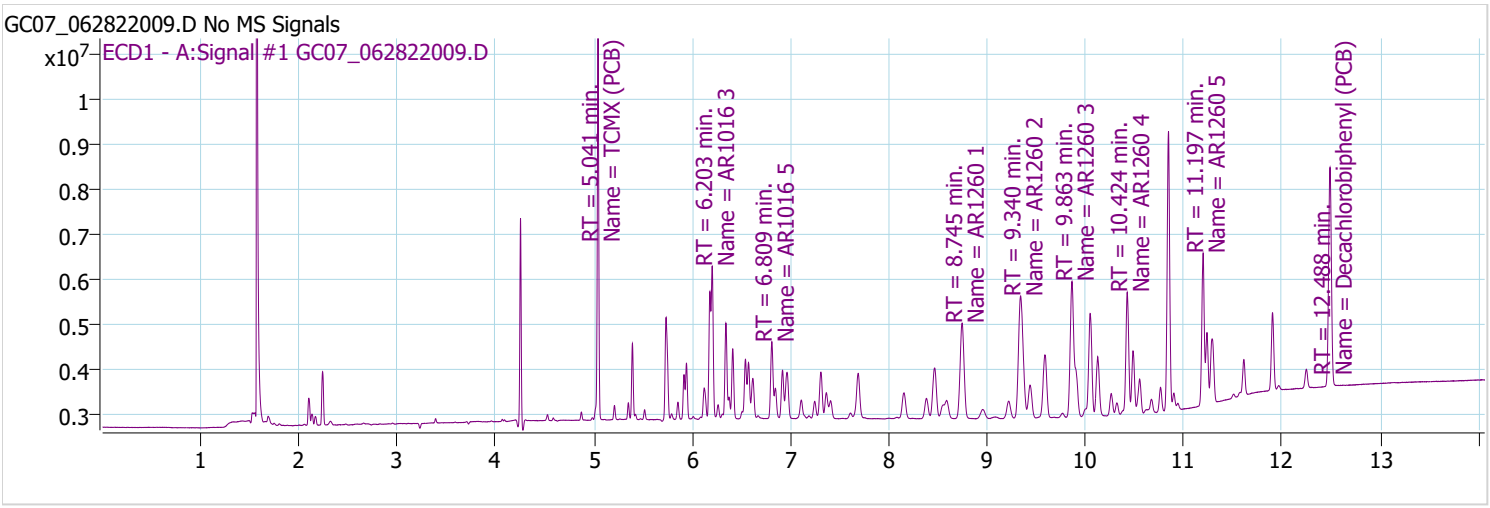


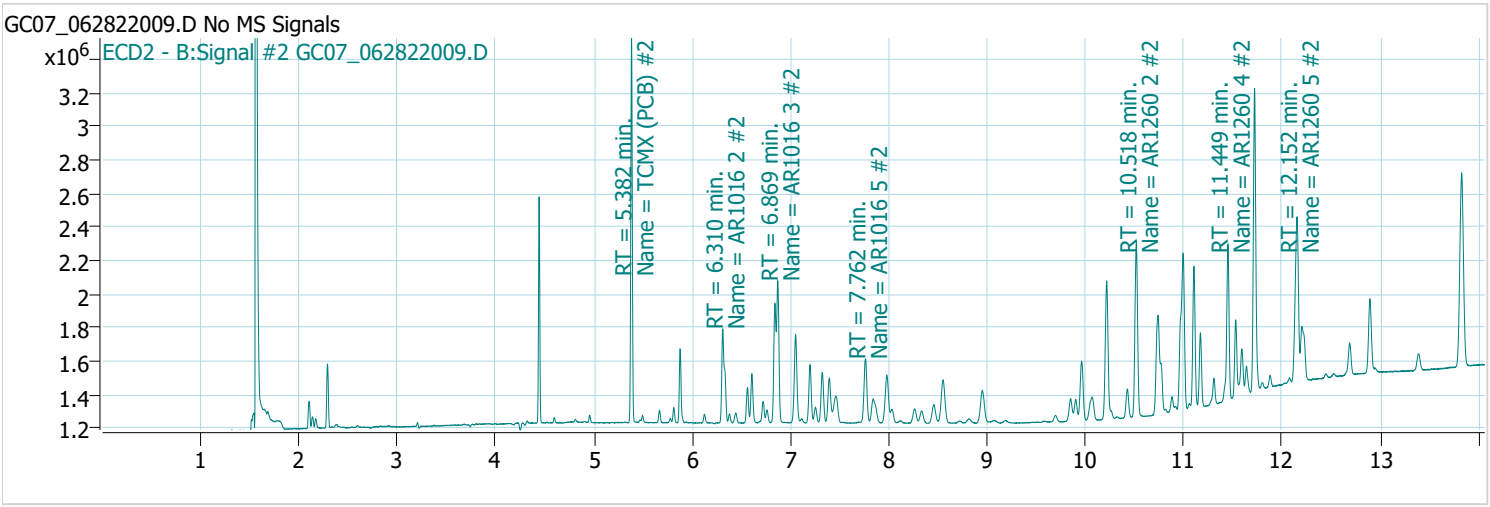
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	36.3027	13.83	0.00	3152930				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062822009.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/28/2022 1:13:07 PM
Sample Name	QC997363, 291960, 1	Instrument	SVOA-GC07
Vial	3	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_2.m	Comment	Wipe/1s-20ml//3580 method
Tune File	ATUNE.U	Tune Date	
Batch Name	062822PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



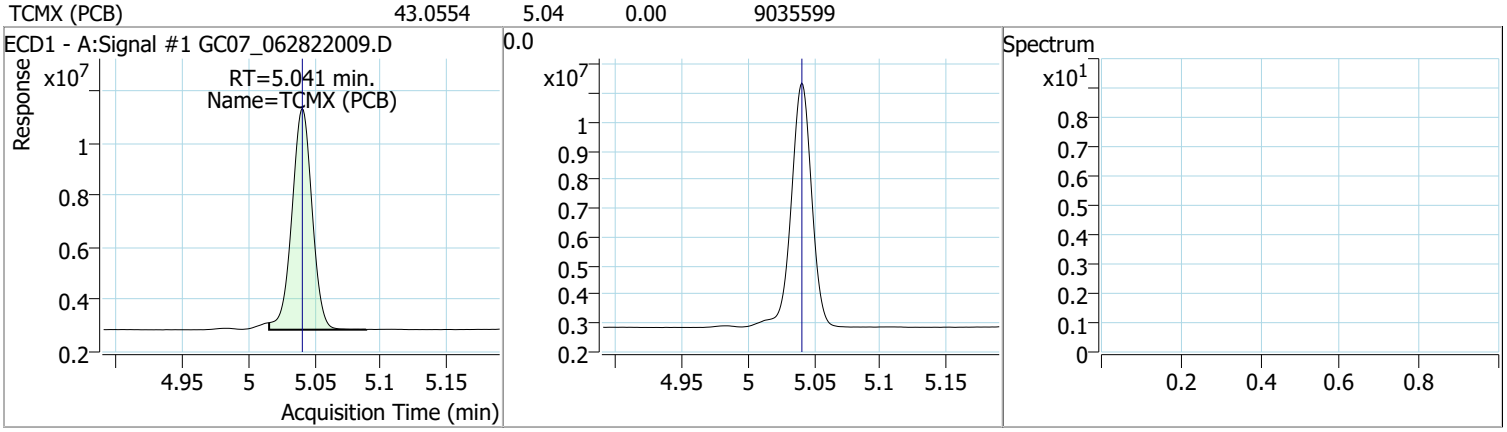


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.253	0.0	4449476.241	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.442	0.0	1222092.350	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.041	0.0	9035599.370	43.0554	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 215.28%		*	
S TCMX (PCB) #2	5.382	0.0	2498680.162	45.0522	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 225.26%		*	
S Decachlorobiphenyl (PCB)	12.488	0.0	9805102.956	39.4487	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 197.24%		*	
S Decachlorobiphenyl (PCB) #2	13.827	0.0	2992007.587	39.7595	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 198.80%		*	
Target Compounds							QValue

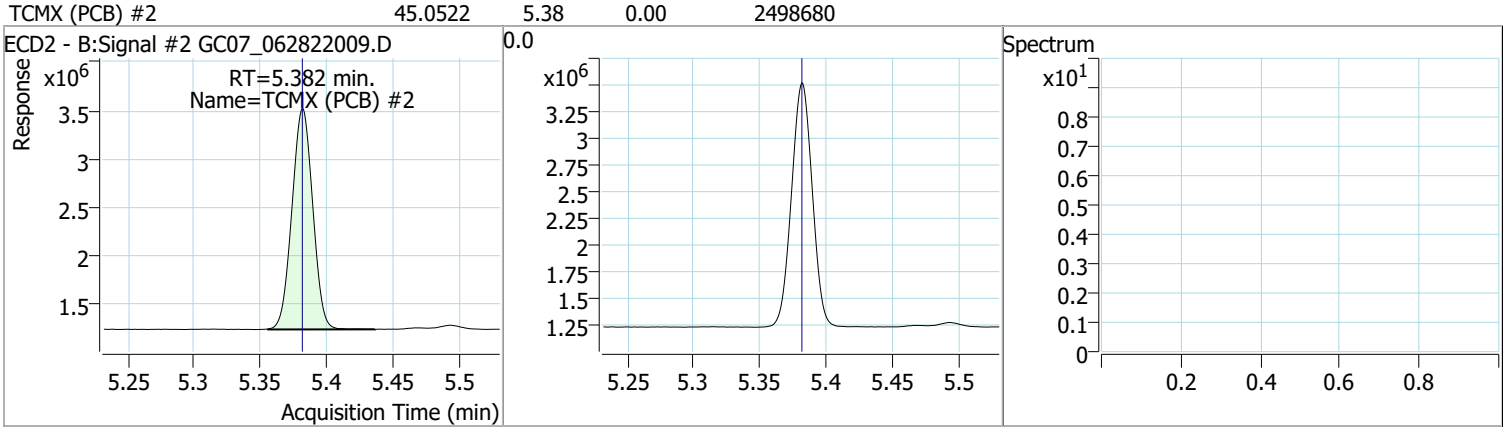
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.391	0.0	1973969.240	462.4326	ng/ml	100
T AR1016 2	5.733	0.0	4050822.776	437.8520	ng/ml	100
T AR1016 1 #2	5.876	0.0	557257.500	452.7943	ng/ml	100
T AR1016 3	6.203	0.0	4858461.739	453.5021	ng/ml	100
T AR1016 2 #2	6.310	0.0	1147889.416	428.3314	ng/ml	100
T AR1016 4	6.342	0.0	3144819.478	408.2069	ng/ml	100
T AR1016 5	6.809	0.0	2914913.189	454.2376	ng/ml	100
T AR1016 3 #2	6.869	0.0	1372946.151	446.6251	ng/ml	100
T AR1016 4 #2	7.051	0.0	987850.941	463.0140	ng/ml	100
T AR1016 5 #2	7.762	0.0	785729.192	440.8707	ng/ml	100
T AR1260 1	8.745	0.0	6045608.075	446.1227	ng/ml	100
T AR1260 2	9.340	0.0	9046023.934	465.0139	ng/ml	100
T AR1260 3	9.863	0.0	9428328.501	478.2681	ng/ml	100
T AR1260 1 #2	10.215	0.0	1705391.699	440.6247	ng/ml	100
T AR1260 4	10.424	0.0	5291483.081	525.0688	ng/ml	100
T AR1260 2 #2	10.518	0.0	1957607.057	455.2535	ng/ml	100
T AR1260 3 #2	10.993	0.0	2454846.417	463.8160	ng/ml	100
T AR1260 5	11.197	0.0	5865572.439	633.9637	ng/ml	100
T AR1260 4 #2	11.449	0.0	1555851.248	523.9377	ng/ml	100
T AR1260 5 #2	12.152	0.0	2292950.445	537.3281	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

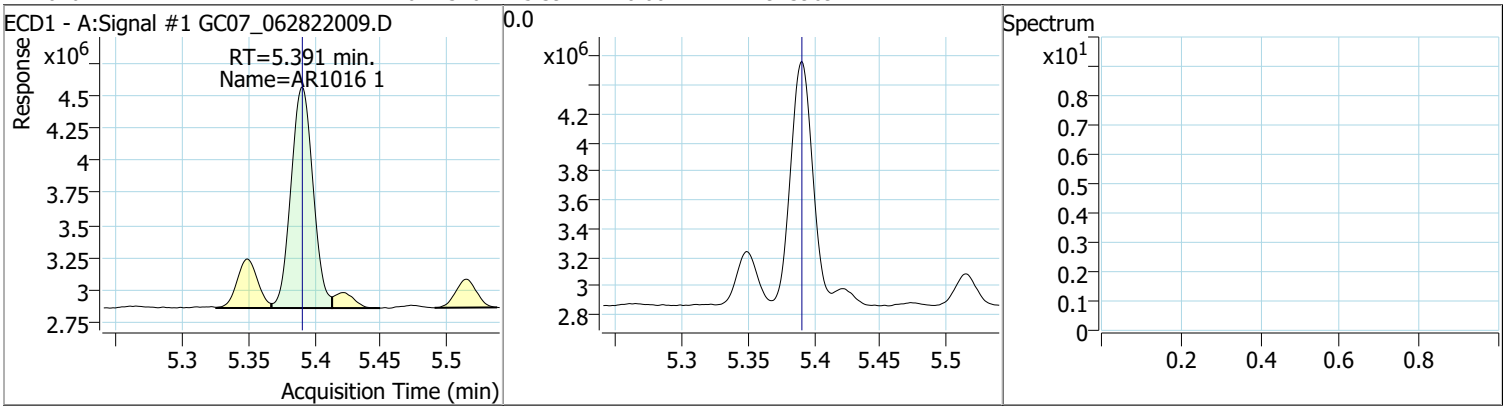
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	43.0554	5.04	0.00	9035599				



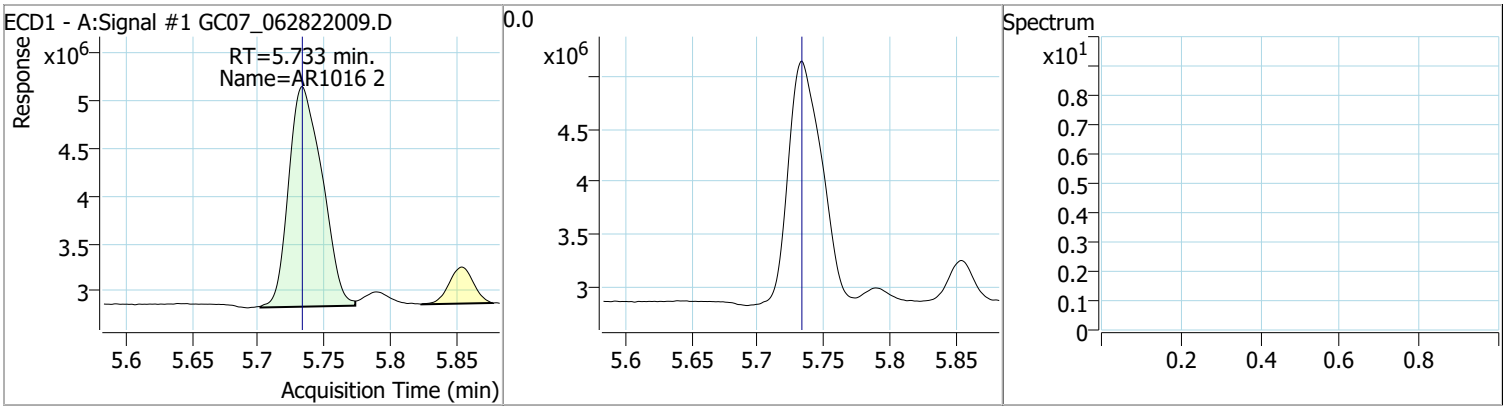
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	45.0522	5.38	0.00	2498680				



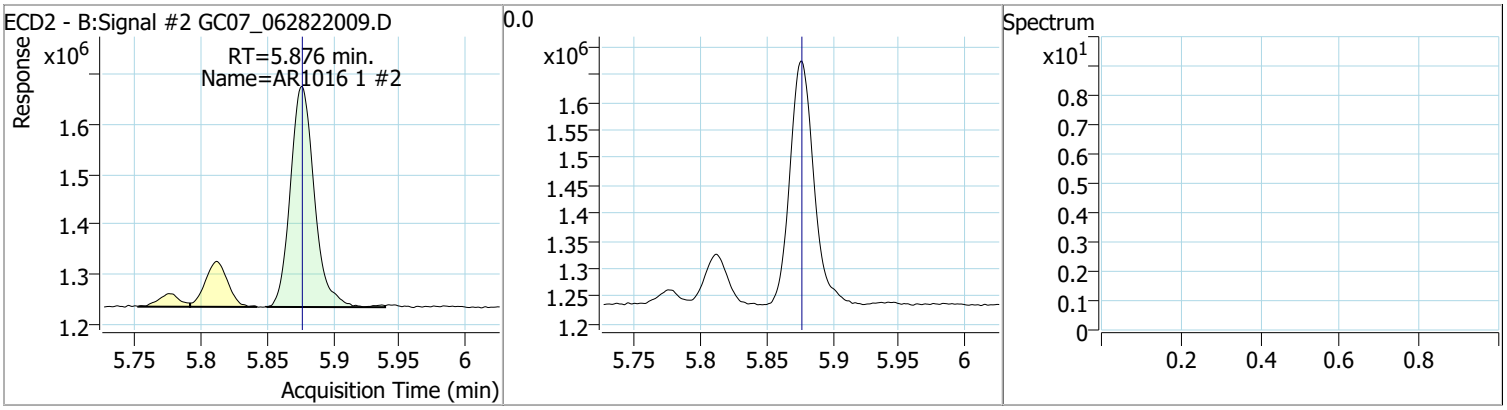
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	462.4326	5.39	0.00	1973969				



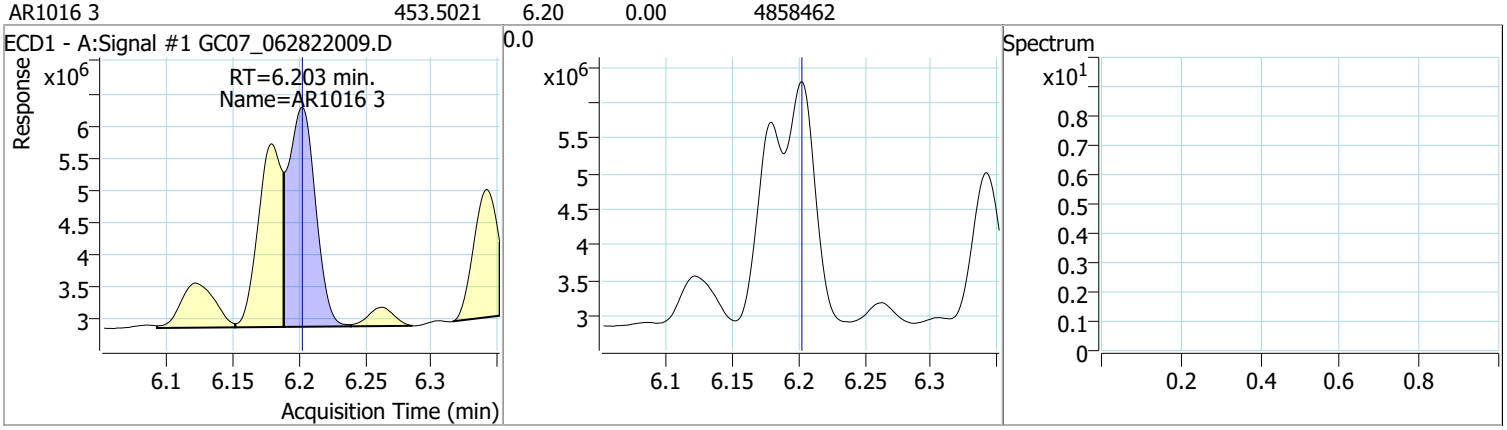
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	437.8520	5.73	0.00	4050823				



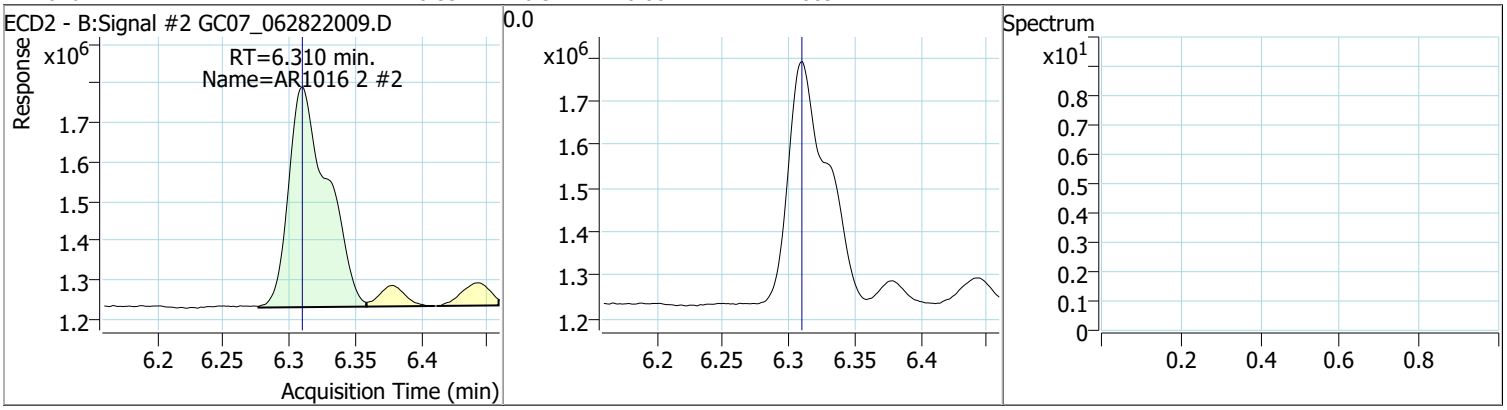
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	452.7943	5.88	0.00	557258				



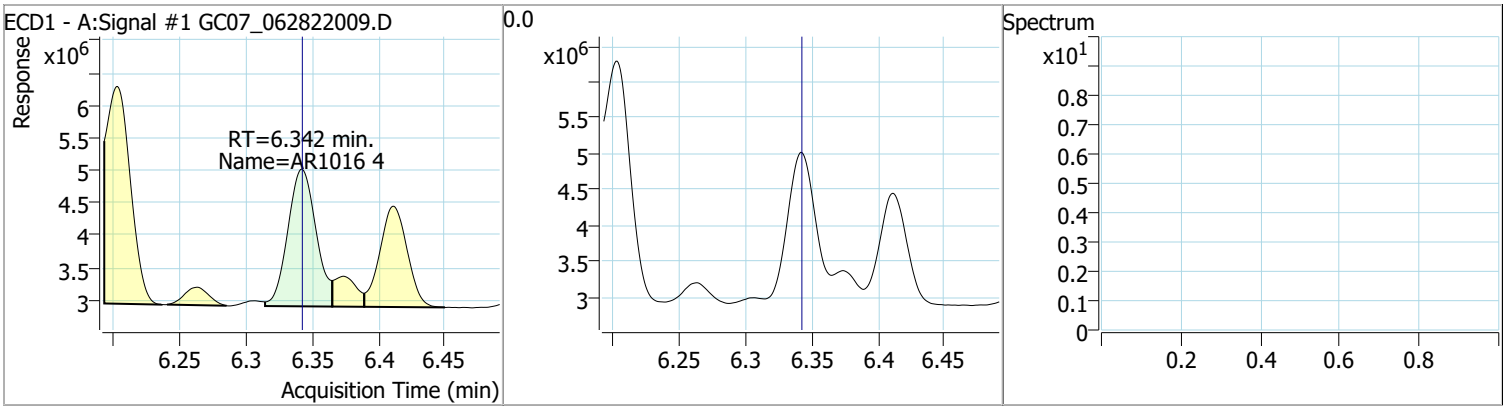
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	453.5021	6.20	0.00	4858462				



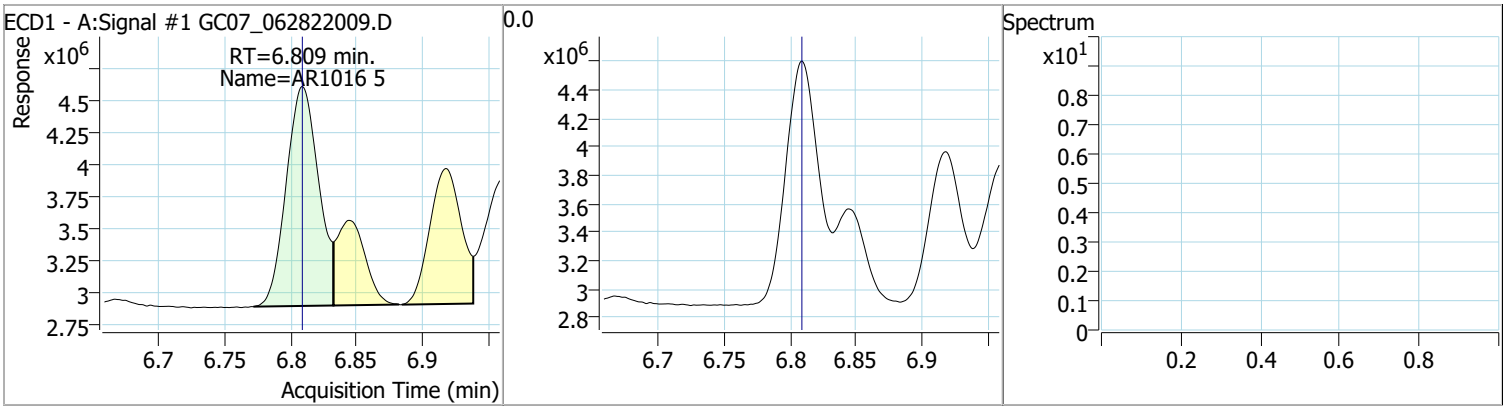
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	428.3314	6.31	0.00	1147889				



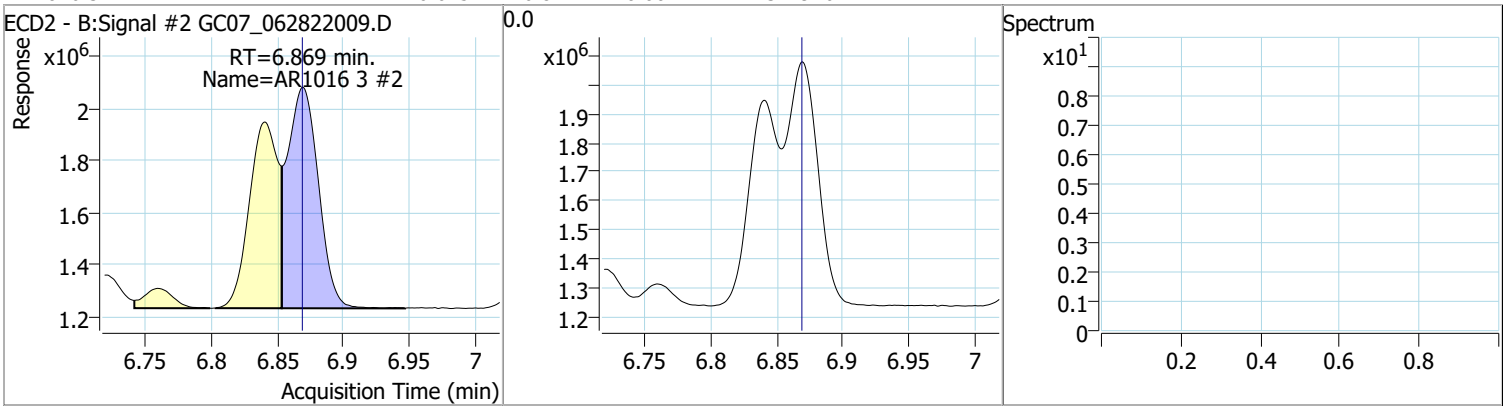
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	408.2069	6.34	0.00	3144819				



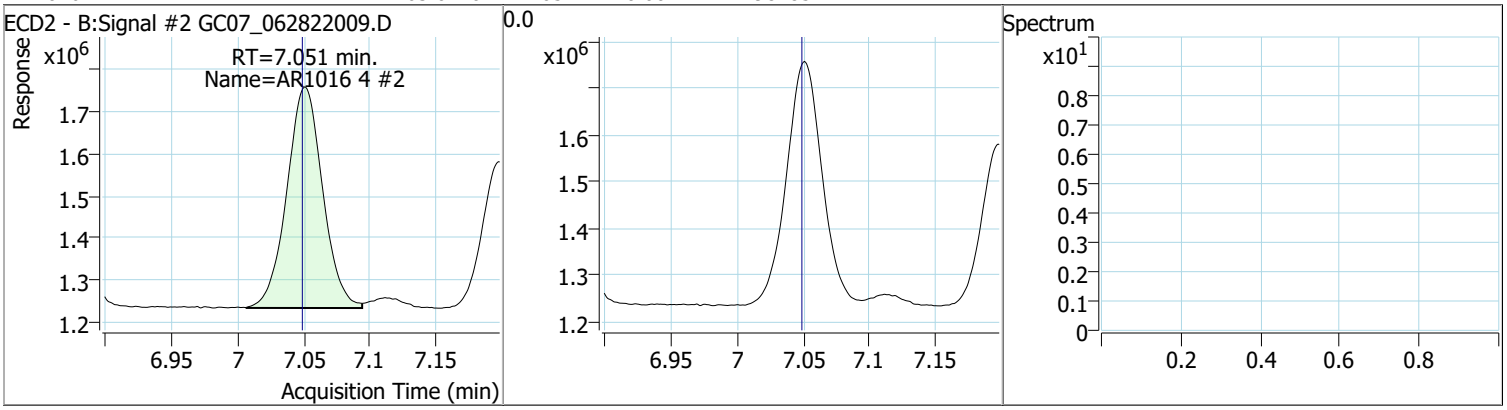
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	454.2376	6.81	0.00	2914913				



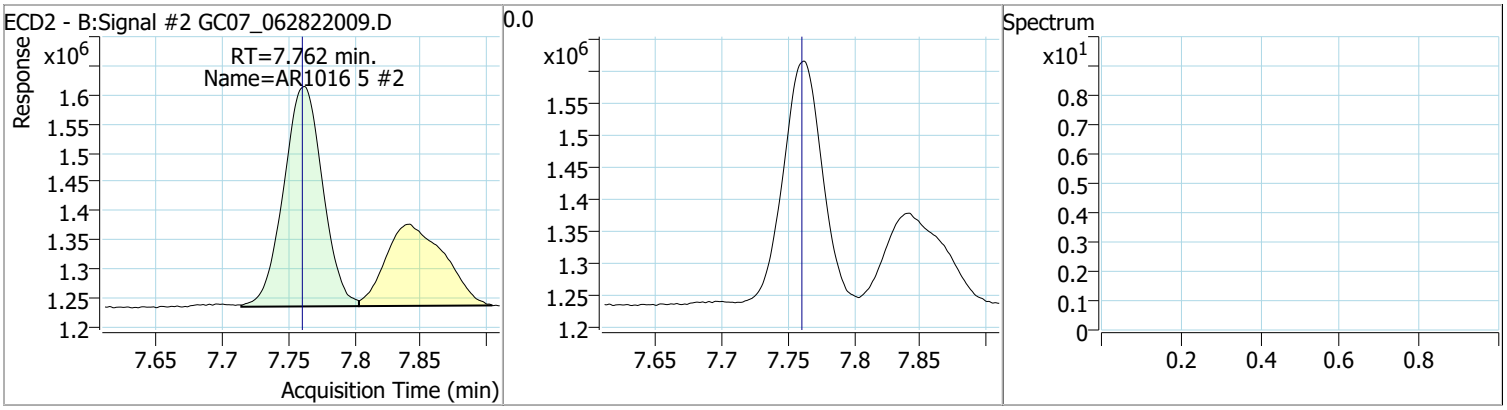
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	446.6251	6.87	0.00	1372946				



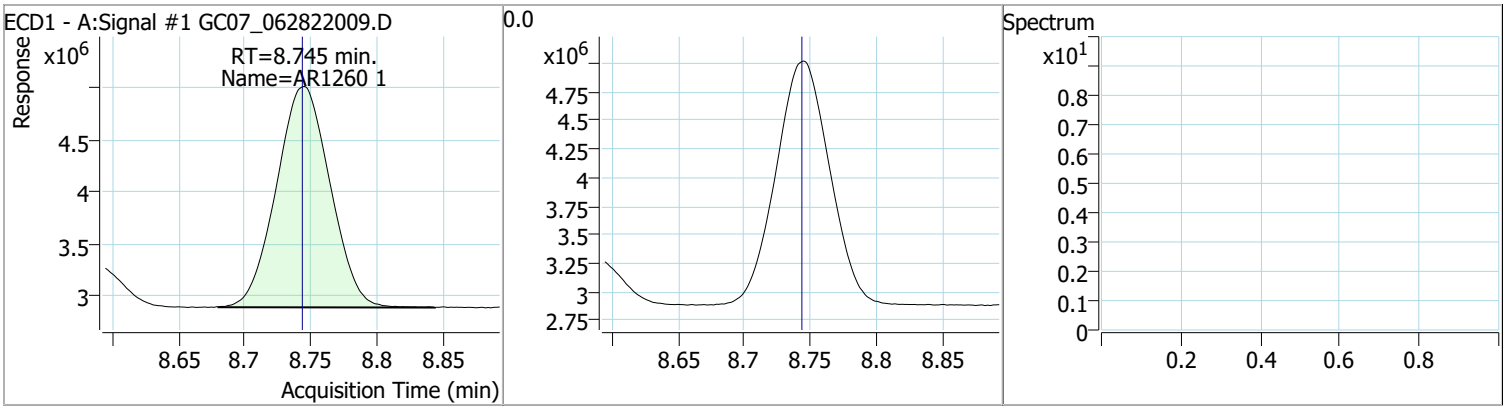
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	463.0140	7.05	0.00	987851				



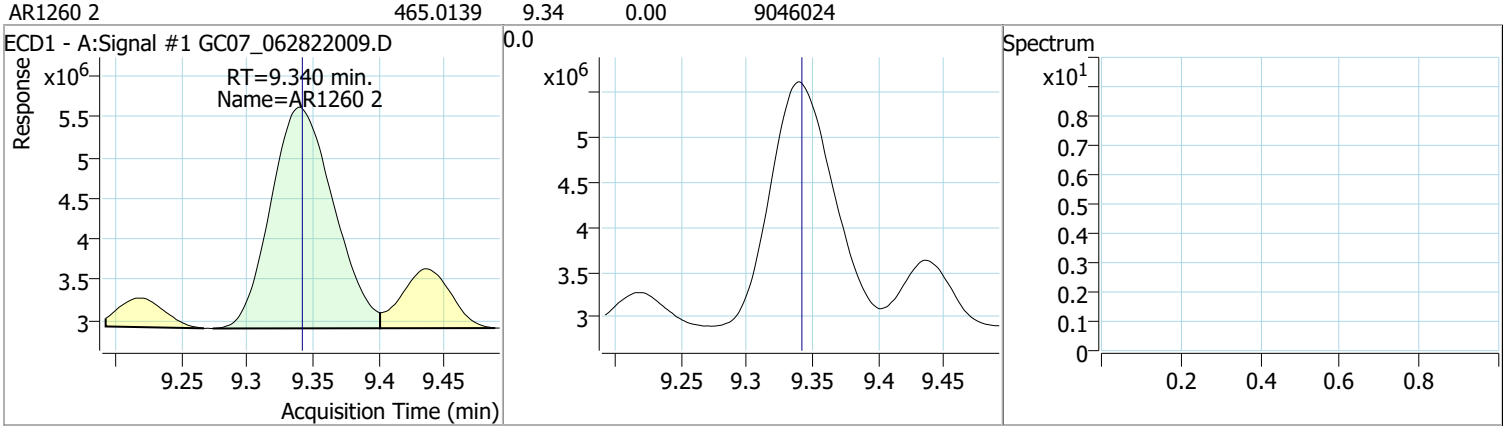
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	440.8707	7.76	0.00	785729				



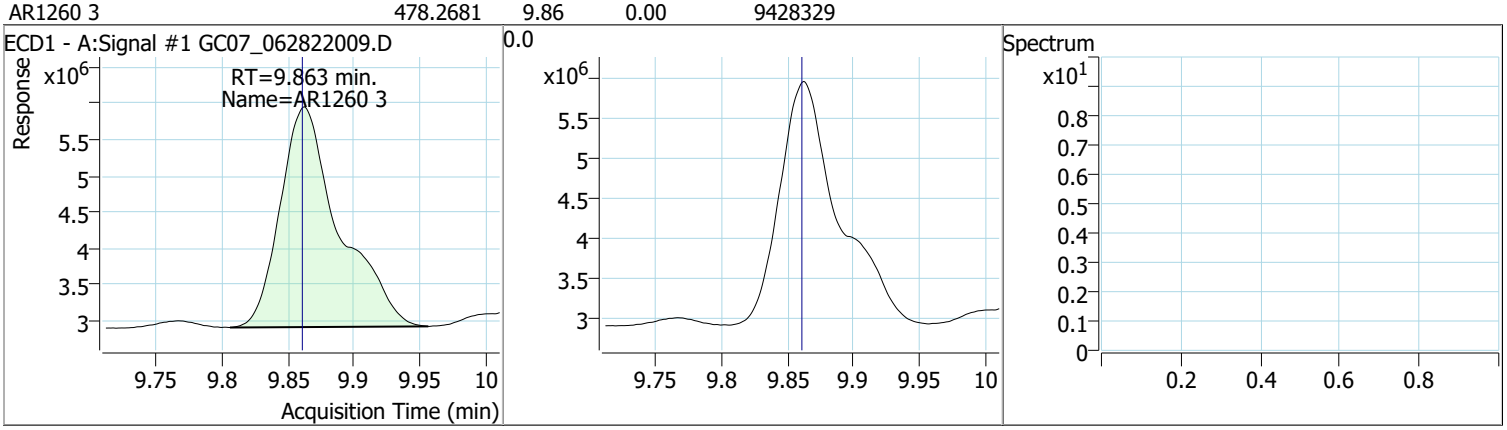
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	446.1227	8.75	0.00	6045608				



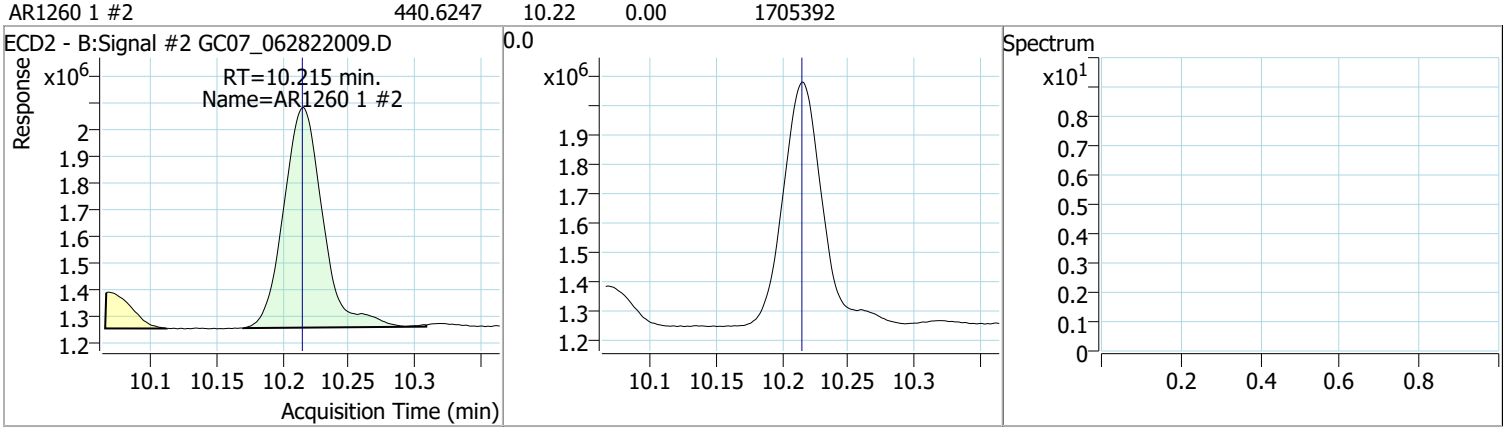
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	465.0139	9.34	0.00	9046024				



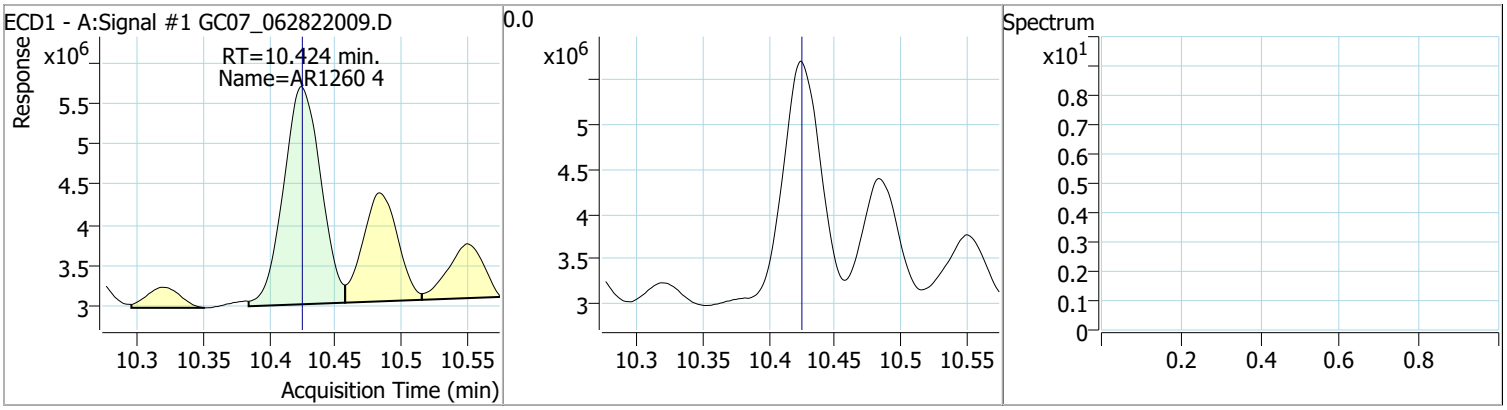
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	478.2681	9.86	0.00	9428329				



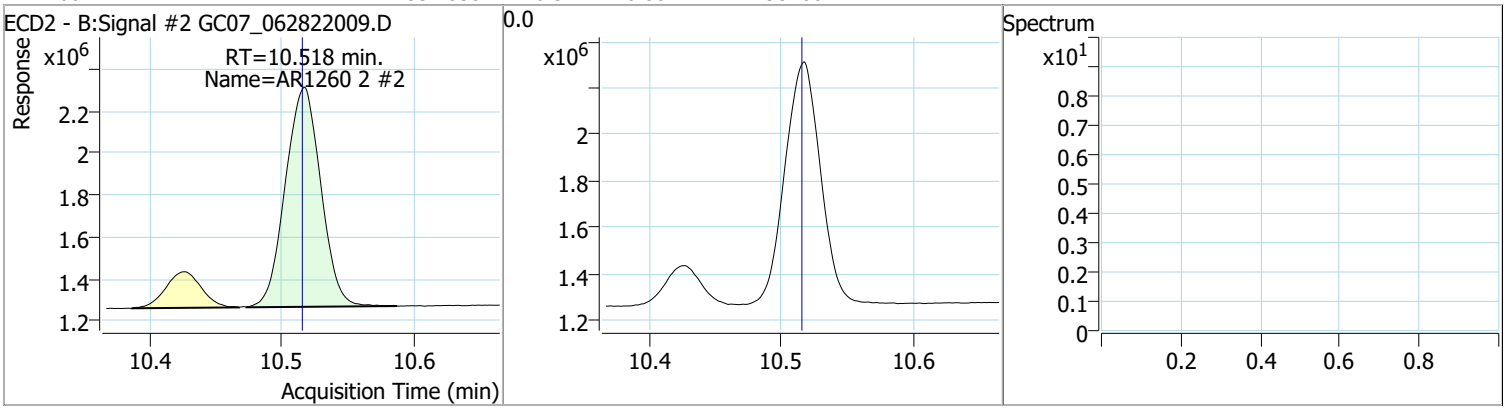
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	440.6247	10.22	0.00	1705392				



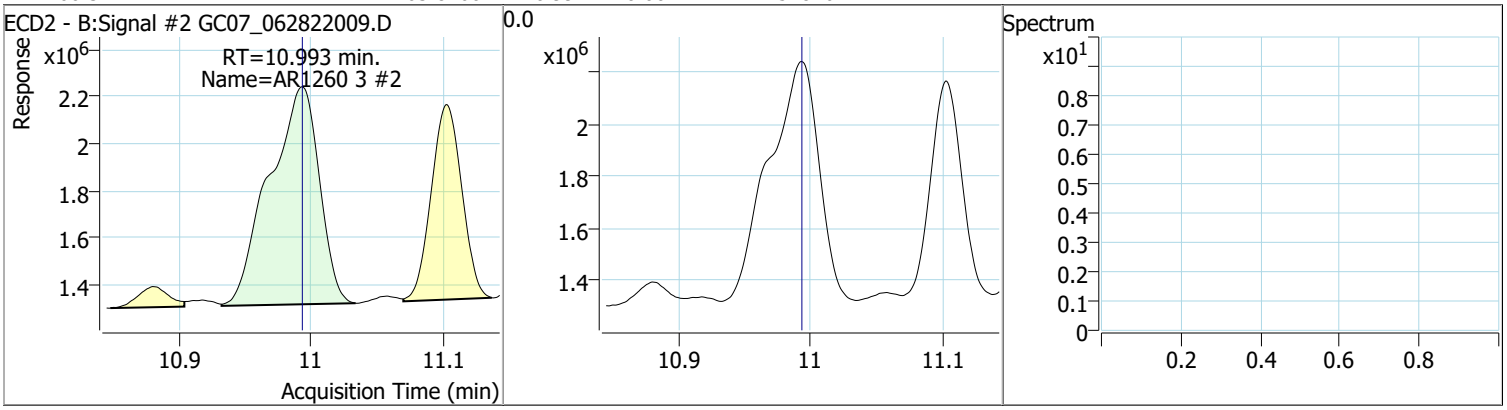
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	525.0688	10.42	0.00	5291483				



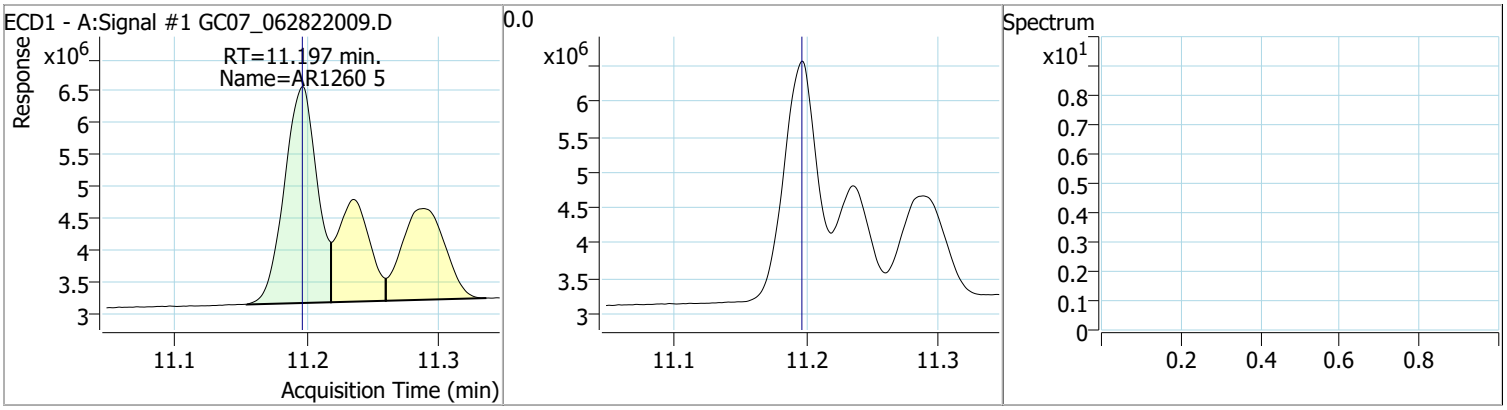
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	455.2535	10.52	0.00	1957607				



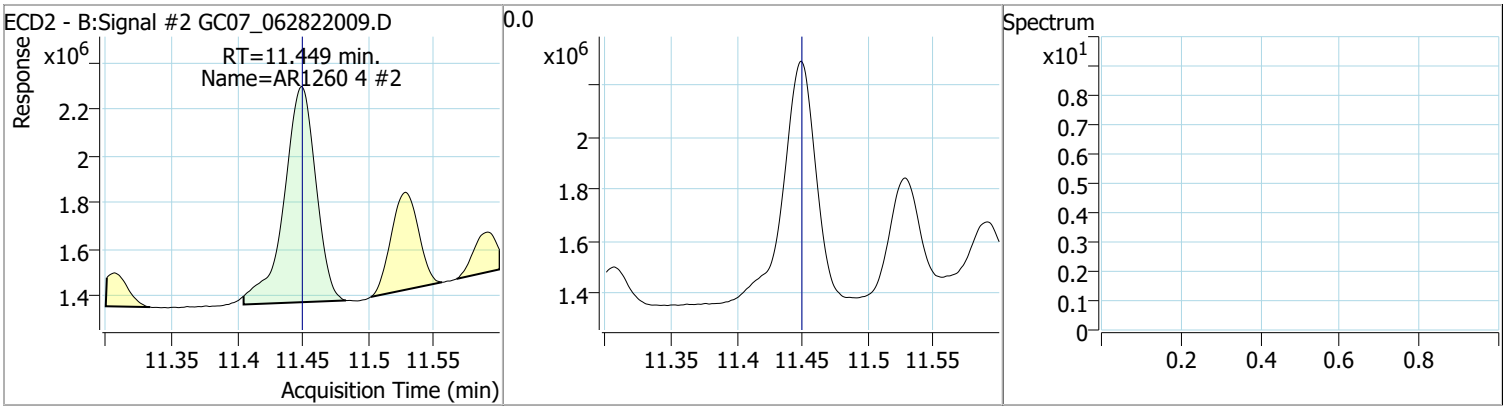
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	463.8160	10.99	0.00	2454846				



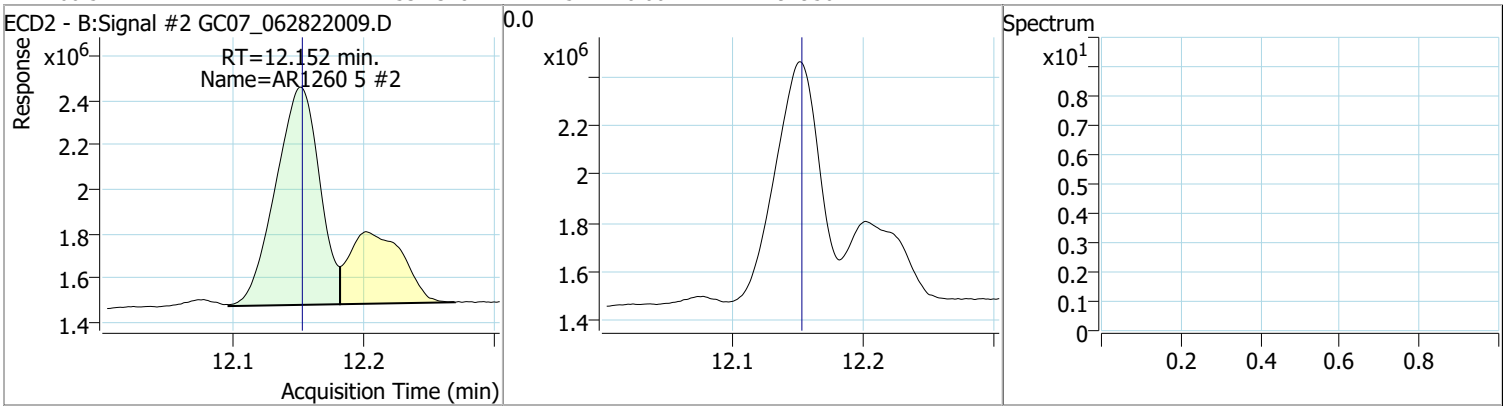
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	633.9637	11.20	0.00	5865572				



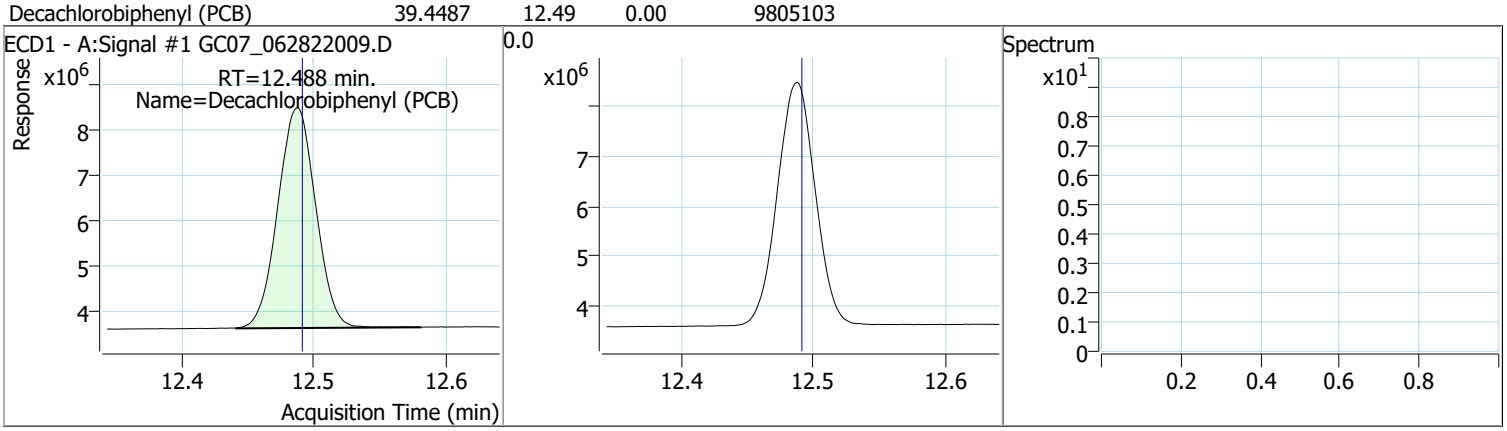
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	523.9377	11.45	0.00	1555851				



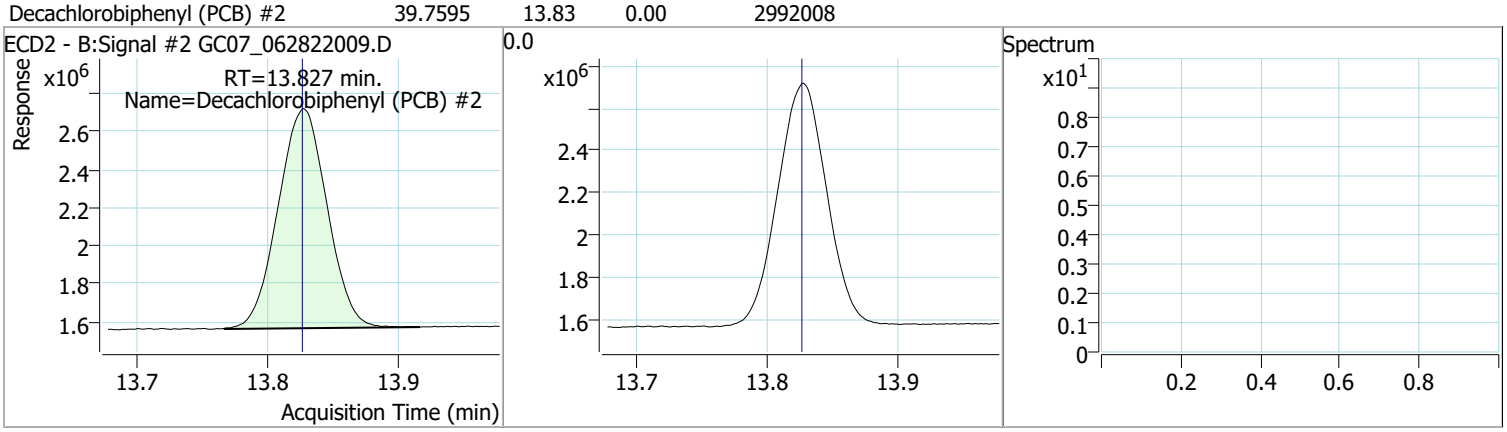
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	537.3281	12.15	0.00	2292950				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	39.4487	12.49	0.00	9805103				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	39.7595	13.83	0.00	2992008				



Initial Calibration Raw Data

ENTHALPY INITIAL CALIBRATION FOR 464779 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_062422_1
Calibration #:	462252739001	Date:	25-JUN-2022 00:39
		X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc07_062422022	462252739022		25-JUN-2022 00:39	S16671 (100X), S16725 (250X)
L2	gc07_062422023	462252739023		25-JUN-2022 00:57	S16671 (40X), S16725 (250X)
L3	gc07_062422024	462252739024		25-JUN-2022 01:14	S16671 (20X), S16725 (250X)
L4	gc07_062422025	462252739025		25-JUN-2022 01:32	S16671 (8X), S16725 (250X)
L5	gc07_062422026	462252739026		25-JUN-2022 01:49	S16671 (4X), S16725 (250X)
L6	gc07_062422027	462252739027		25-JUN-2022 02:07	S16671 (2.66X), S16725 (250X)
L7	gc07_062422028	462252739028		25-JUN-2022 02:24	S16671 (2X), S16725 (250X)
L8	gc07_062422029	462252739029		25-JUN-2022 02:42	S16671 (1.33X), S16725 (250X)
L9	gc07_062422030	462252739030		25-JUN-2022 02:59	S16671, S16725 (250X)

Analyte	Ch	Type	a0	a1	a2	Units	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		52.1446		ug/L	0.0192	12	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		24.0592		ug/L	0.0416	14	9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		20.7771		ug/L	0.0481	12	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		28.8928		ug/L	0.0346	11	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		34.6865		ug/L	0.0288	11	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		16.4257		ug/L	0.0609	12	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		11.4424		ug/L	0.0874	10	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		11.2915		ug/L	0.0886	7	9	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		22.0875		ug/L	0.0453	10	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		24.0599		ug/L	0.0416	7	9	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.89555		pg/uL	1.1166	9	9	.99	20	
TCMX (PCB)	A	AVRG		1.06067		pg/uL	0.9428	8	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		49.6768		ug/L	0.0201	7	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		22.8132		ug/L	0.0438	9	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		19.8883		ug/L	0.0503	9	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		28.6560		ug/L	0.0349	6	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		34.3044		ug/L	0.0292	7	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		15.7963		ug/L	0.0633	8	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		14.2181		ug/L	0.0703	6	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		11.5518		ug/L	0.0866	3	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		20.5890		ug/L	0.0486	5	9	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		14.3273		ug/L	0.0698	4	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.81243		pg/uL	1.2309	10	9	.99	20	
TCMX (PCB)	B	AVRG		1.10236		pg/uL	0.9071	4	9	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

ENTHALPY INITIAL CALIBRATION FOR 464779 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_062422_1
Calibration #:	462252739001	Date:	25-JUN-2022 00:39
		X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0234	0.0215	0.0200	0.0192	0.0192	0.0180	0.0176	0.0174	0.0163
Aroclor-1016 Peak # 2	A	0.0506	0.0484	0.0464	0.0430	0.0395	0.0384	0.0372	0.0366	0.0339
Aroclor-1016 Peak # 3	A	0.0594	0.0542	0.0518	0.0468	0.0454	0.0453	0.0443	0.0447	0.0413
Aroclor-1016 Peak # 4	A	0.0413	0.0385	0.0369	0.0348	0.0332	0.0331	0.0323	0.0317	0.0297
Aroclor-1016 Peak # 5	A	0.0337	0.0322	0.0318	0.0293	0.0277	0.0275	0.0267	0.0261	0.0245
Aroclor-1260 Peak # 1	A	0.0727	0.0690	0.0664	0.0613	0.0580	0.0617	0.0550	0.0540	0.0499
Aroclor-1260 Peak # 2	A	0.1010	0.0978	0.0943	0.0864	0.0838	0.0853	0.0816	0.0810	0.0754
Aroclor-1260 Peak # 3	A	0.0987	0.0952	0.0933	0.0862	0.0848	0.0876	0.0843	0.0855	0.0813
Aroclor-1260 Peak # 4	A	0.0539	0.0502	0.0485	0.0445	0.0431	0.0439	0.0418	0.0418	0.0398
Aroclor-1260 Peak # 5	A	0.0379	0.0402	0.0409	0.0376	0.0404	0.0447	0.0428	0.0450	0.0446
Decachlorobiphenyl (PCB)	A	1.3136	1.2521	1.1395	1.0914	1.0462	1.0936	1.0474	1.0457	1.0202
TCMX (PCB)	A	1.0556	1.0443	1.0018	0.9534	0.8960	0.8931	0.8839	0.9007	0.8564
Aroclor-1016 Peak # 1	B	0.0237	0.0206	0.0205	0.0201	0.0194	0.0196	0.0193	0.0195	0.0184
Aroclor-1016 Peak # 2	B	0.0520	0.0470	0.0451	0.0431	0.0429	0.0424	0.0413	0.0416	0.0391
Aroclor-1016 Peak # 3	B	0.0609	0.0528	0.0500	0.0478	0.0483	0.0487	0.0479	0.0490	0.0470
Aroclor-1016 Peak # 4	B	0.0385	0.0379	0.0349	0.0334	0.0336	0.0344	0.0340	0.0346	0.0328
Aroclor-1016 Peak # 5	B	0.0329	0.0318	0.0294	0.0281	0.0280	0.0286	0.0281	0.0285	0.0271
Aroclor-1260 Peak # 1	B	0.0741	0.0656	0.0651	0.0617	0.0619	0.0631	0.0605	0.0606	0.0572
Aroclor-1260 Peak # 2	B	0.0777	0.0735	0.0724	0.0698	0.0688	0.0709	0.0674	0.0682	0.0642
Aroclor-1260 Peak # 3	B	0.0823	0.0865	0.0833	0.0845	0.0876	0.0917	0.0876	0.0898	0.0859
Aroclor-1260 Peak # 4	B	0.0506	0.0519	0.0474	0.0468	0.0460	0.0516	0.0476	0.0489	0.0462
Aroclor-1260 Peak # 5	B	0.0736	0.0727	0.0678	0.0662	0.0681	0.0716	0.0685	0.0706	0.0691
Decachlorobiphenyl (PCB)	B	1.4473	1.4291	1.1927	1.1850	1.1442	1.2016	1.1565	1.1753	1.1462
TCMX (PCB)	B	0.9875	0.8886	0.8748	0.8877	0.8943	0.8998	0.8927	0.9329	0.9059

ENTHALPY INITIAL CALIBRATION FOR 464779 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_062422_1
Calibration #:	462252739001	Date:	25-JUN-2022 00:39
		X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	**22**	50.000	12	100.00	4	250.00	0	500.00	0	751.88	-6	1000.0	-8	1503.8	-9
Aroclor-1016 Peak # 2	A	20.000	**22**	50.000	16	100.00	12	250.00	3	500.00	-5	751.88	-8	1000.0	-10	1503.8	-12
Aroclor-1016 Peak # 3	A	20.000	**23**	50.000	13	100.00	8	250.00	-3	500.00	-6	751.88	-6	1000.0	-8	1503.8	-7
Aroclor-1016 Peak # 4	A	20.000	19	50.000	11	100.00	7	250.00	1	500.00	-4	751.88	-4	1000.0	-7	1503.8	-8
Aroclor-1016 Peak # 5	A	20.000	17	50.000	12	100.00	10	250.00	2	500.00	-4	751.88	-5	1000.0	-7	1503.8	-10
Aroclor-1260 Peak # 1	A	20.000	19	50.000	13	100.00	9	250.00	1	500.00	-5	751.88	1	1000.0	-10	1503.8	-11
Aroclor-1260 Peak # 2	A	20.000	16	50.000	12	100.00	8	250.00	-1	500.00	-4	751.88	-2	1000.0	-7	1503.8	-7
Aroclor-1260 Peak # 3	A	20.000	11	50.000	8	100.00	5	250.00	-3	500.00	-4	751.88	-1	1000.0	-5	1503.8	-3
Aroclor-1260 Peak # 4	A	20.000	19	50.000	11	100.00	7	250.00	-2	500.00	-5	751.88	-3	1000.0	-8	1503.8	-8
Aroclor-1260 Peak # 5	A	20.000	-9	50.000	-3	100.00	-2	250.00	-9	500.00	-3	751.88	8	1000.0	3	1503.8	8
Decachlorobiphenyl (PCB)	A	0.8000	18	2.0000	12	4.0000	2	10.000	-2	20.000	-6	30.075	-2	40.000	-6	60.150	-6
TCMX (PCB)	A	0.8000	12	2.0000	11	4.0000	6	10.000	1	20.000	-5	30.075	-5	40.000	-6	60.150	-4
Aroclor-1016 Peak # 1	B	20.000	18	50.000	2	100.00	2	250.00	0	500.00	-3	751.88	-3	1000.0	-4	1503.8	-3
Aroclor-1016 Peak # 2	B	20.000	19	50.000	7	100.00	3	250.00	-2	500.00	-2	751.88	-3	1000.0	-6	1503.8	-5
Aroclor-1016 Peak # 3	B	20.000	**21**	50.000	5	100.00	-1	250.00	-5	500.00	-4	751.88	-3	1000.0	-5	1503.8	-2
Aroclor-1016 Peak # 4	B	20.000	10	50.000	9	100.00	0	250.00	-4	500.00	-4	751.88	-1	1000.0	-2	1503.8	-1
Aroclor-1016 Peak # 5	B	20.000	13	50.000	9	100.00	1	250.00	-4	500.00	-4	751.88	-2	1000.0	-4	1503.8	-2
Aroclor-1260 Peak # 1	B	20.000	17	50.000	4	100.00	3	250.00	-3	500.00	-2	751.88	0	1000.0	-4	1503.8	-4
Aroclor-1260 Peak # 2	B	20.000	10	50.000	5	100.00	3	250.00	-1	500.00	-2	751.88	1	1000.0	-4	1503.8	-3
Aroclor-1260 Peak # 3	B	20.000	-5	50.000	0	100.00	-4	250.00	-2	500.00	1	751.88	6	1000.0	1	1503.8	4
Aroclor-1260 Peak # 4	B	20.000	4	50.000	7	100.00	-2	250.00	-4	500.00	-5	751.88	6	1000.0	-2	1503.8	1
Aroclor-1260 Peak # 5	B	20.000	5	50.000	4	100.00	-3	250.00	-5	500.00	-2	751.88	3	1000.0	-2	1503.8	1
Decachlorobiphenyl (PCB)	B	0.8000	18	2.0000	16	4.0000	-3	10.000	-4	20.000	-7	30.075	-2	40.000	-6	60.150	-5
TCMX (PCB)	B	0.8000	9	2.0000	-2	4.0000	-4	10.000	-2	20.000	-1	30.075	-1	40.000	-2	60.150	3

ENTHALPY INITIAL CALIBRATION FOR 464779 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_062422_1
Calibration #:	462252739001	Date:	25-JUN-2022 00:39
		X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-15
Aroclor-1016 Peak # 2	A	2000.0	-18
Aroclor-1016 Peak # 3	A	2000.0	-14
Aroclor-1016 Peak # 4	A	2000.0	-14
Aroclor-1016 Peak # 5	A	2000.0	-15
Aroclor-1260 Peak # 1	A	2000.0	-18
Aroclor-1260 Peak # 2	A	2000.0	-14
Aroclor-1260 Peak # 3	A	2000.0	-8
Aroclor-1260 Peak # 4	A	2000.0	-12
Aroclor-1260 Peak # 5	A	2000.0	7
Decachlorobiphenyl (PCB)	A	80.000	-9
TCMX (PCB)	A	80.000	-9
Aroclor-1016 Peak # 1	B	2000.0	-8
Aroclor-1016 Peak # 2	B	2000.0	-11
Aroclor-1016 Peak # 3	B	2000.0	-6
Aroclor-1016 Peak # 4	B	2000.0	-6
Aroclor-1016 Peak # 5	B	2000.0	-7
Aroclor-1260 Peak # 1	B	2000.0	-10
Aroclor-1260 Peak # 2	B	2000.0	-9
Aroclor-1260 Peak # 3	B	2000.0	-1
Aroclor-1260 Peak # 4	B	2000.0	-5
Aroclor-1260 Peak # 5	B	2000.0	-1
Decachlorobiphenyl (PCB)	B	80.000	-7
TCMX (PCB)	B	80.000	0

TRN 06/25/22 : Manually integrated for coeluting peak and automatic draw baseline on both/one channel and on multiple levels

Analyst: TRN 06/25/22

Reviewer: LW 06/27/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 464779 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07	Name:	PCB_062422_1
Calnum:	462252739001	Cal Date:	25-JUN-2022

- ICV 462252739032 (gc07_062422032 25-JUN-2022) stds: S16736

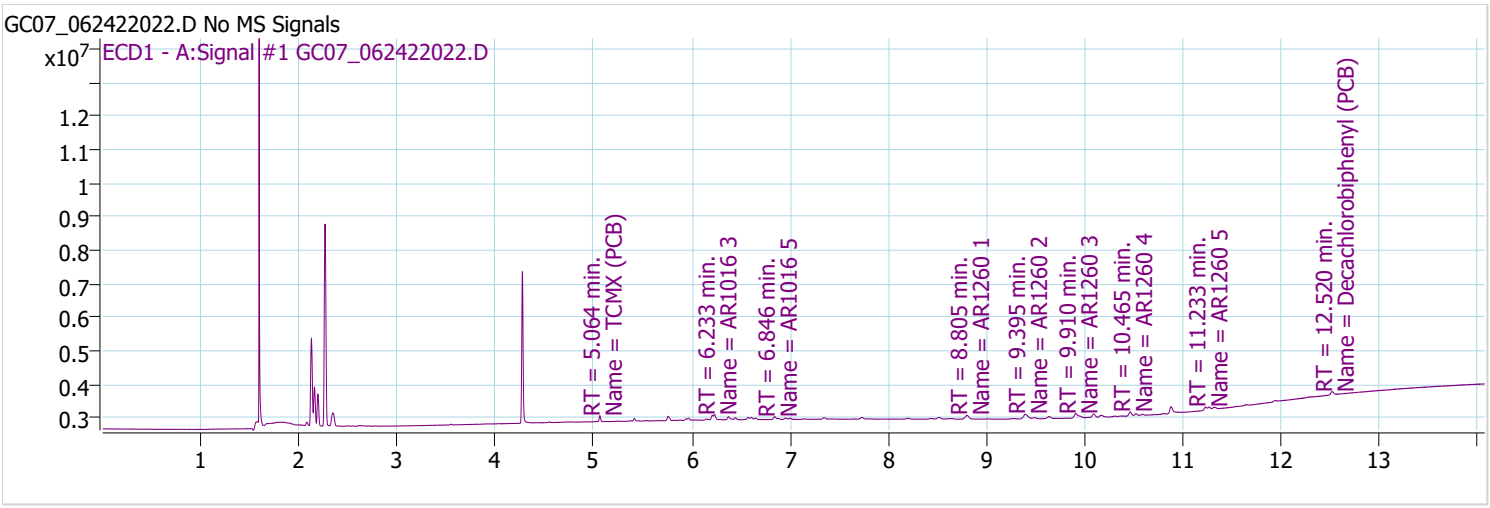
Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	518.1	ug/L	4	15	
Aroclor-1260	A	500.0	539.6	ug/L	8	15	
Aroclor-1016	B	500.0	525.9	ug/L	5	15	
Aroclor-1260	B	500.0	563.1	ug/L	13	15	

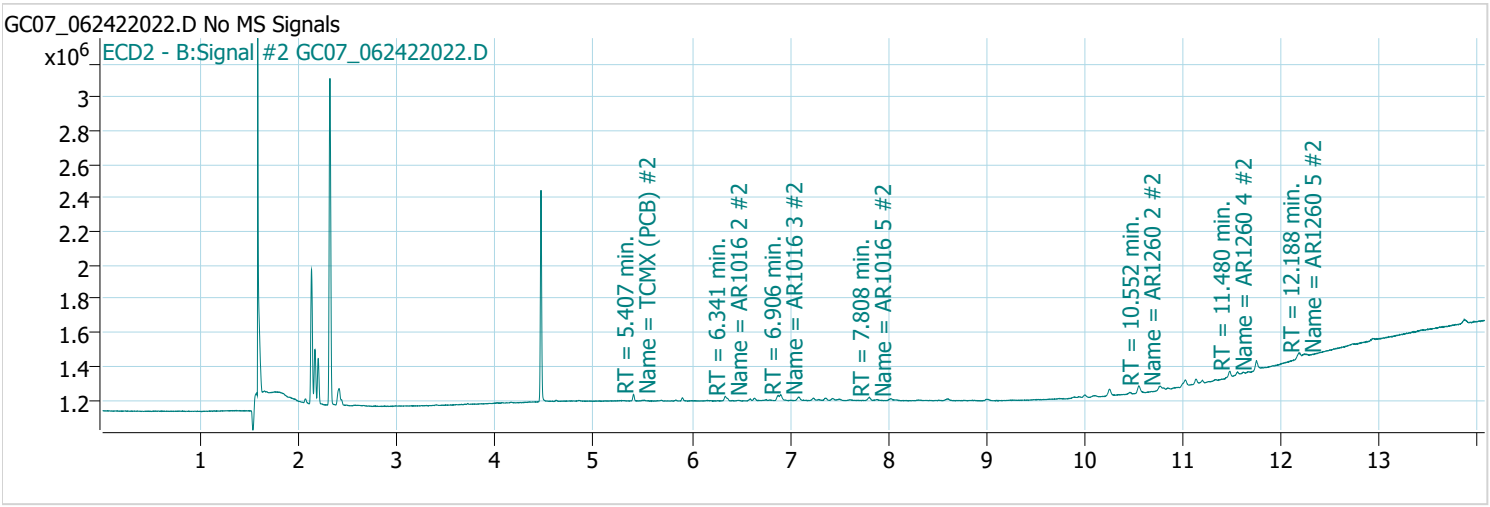
-

Analyst: TRN 06/25/22 **Reviewer:** LW 06/27/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_062422022.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 12:39:35 AM
Sample Name	ICAL, S16726, 100	Instrument	SVOA-GC07
Vial	11	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	20 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



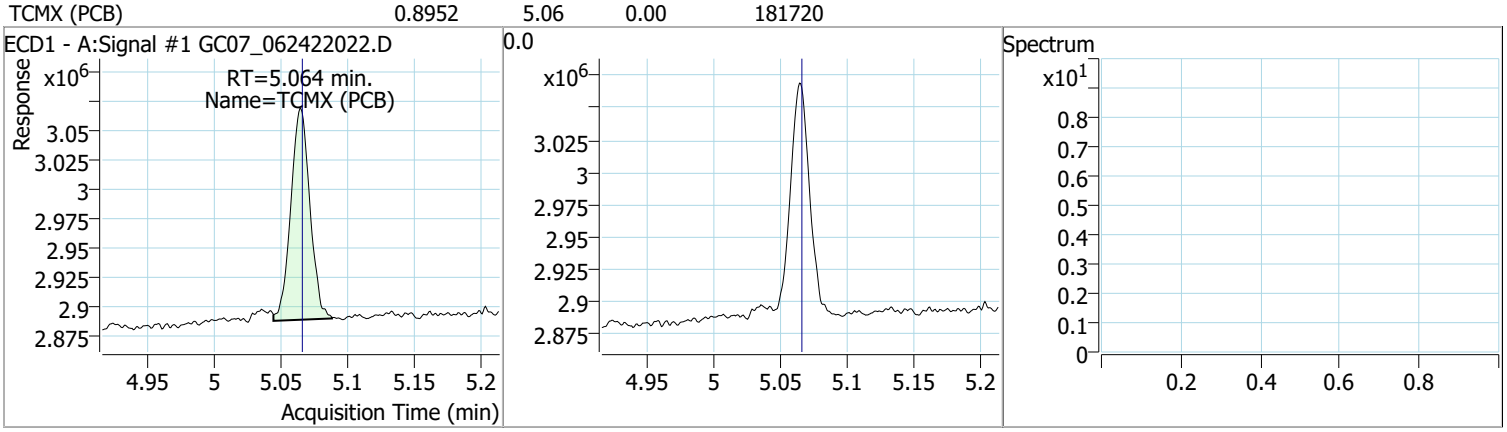


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.276	0.0	4303770.897	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.465	0.0	1146854.232	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.064	0.0	181719.749	0.8952	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.48%		*	
S TCMX (PCB) #2	5.407	0.0	45302.652	0.8704	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.35%		*	
S Decachlorobiphenyl (PCB)	12.520	0.0	226135.319	0.9406	ng/ml	m	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.70%		*	
S Decachlorobiphenyl (PCB) #2	13.865	0.0	66391.652	0.9401	ng/ml		-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.70%		*	
Target Compounds							**QValue**
T AR1016 1	5.415	0.0	100860.719	24.4281	ng/ml	m	100
T AR1016 2	5.760	0.0	217745.698	24.3329	ng/ml		100
T AR1016 1 #2	5.904	0.0	27171.139	23.5260	ng/ml	m	100

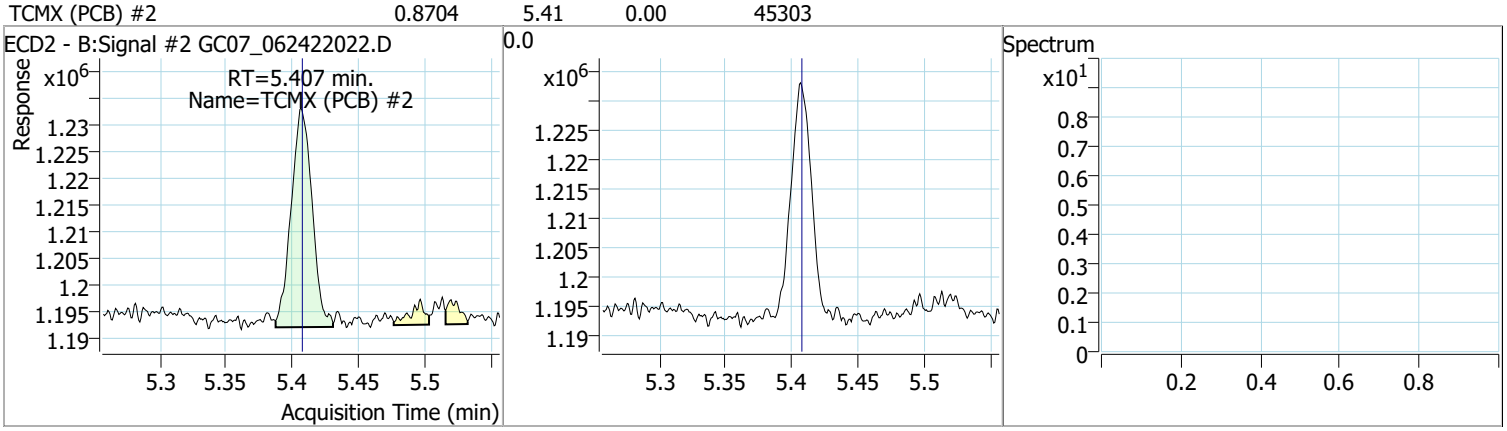
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 3	6.233	0.0	255522.787	24.6587	ng/ml		100
T AR1016 2 #2	6.341	0.0	59680.736	23.7307	ng/ml		100
T AR1016 4	6.373	0.0	177597.647	23.8332	ng/ml	m	100
T AR1016 5	6.846	0.0	144985.805	23.3584	ng/ml	m	100
T AR1016 3 #2	6.906	0.0	69844.980	24.2114	ng/ml		100
T AR1016 4 #2	7.088	0.0	44096.916	22.0245	ng/ml		100
T AR1016 5 #2	7.808	0.0	37691.872	22.5363	ng/ml		100
T AR1260 1	8.805	0.0	312835.640	23.8666	ng/ml		100
T AR1260 2	9.395	0.0	434770.610	23.1062	ng/ml		100
T AR1260 3	9.910	0.0	424711.927	22.2736	ng/ml		100
T AR1260 1 #2	10.254	0.0	84960.268	23.3914	ng/ml		100
T AR1260 4	10.465	0.0	231834.804	23.7836	ng/ml		100
T AR1260 2 #2	10.552	0.0	89110.774	22.0828	ng/ml		100
T AR1260 3 #2	11.026	0.0	94341.595	18.9942	ng/ml		100
T AR1260 5	11.233	0.0	163315.289	18.2491	ng/ml		100
T AR1260 4 #2	11.480	0.0	58077.973	20.8410	ng/ml		100
T AR1260 5 #2	12.188	0.0	84370.198	21.0683	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

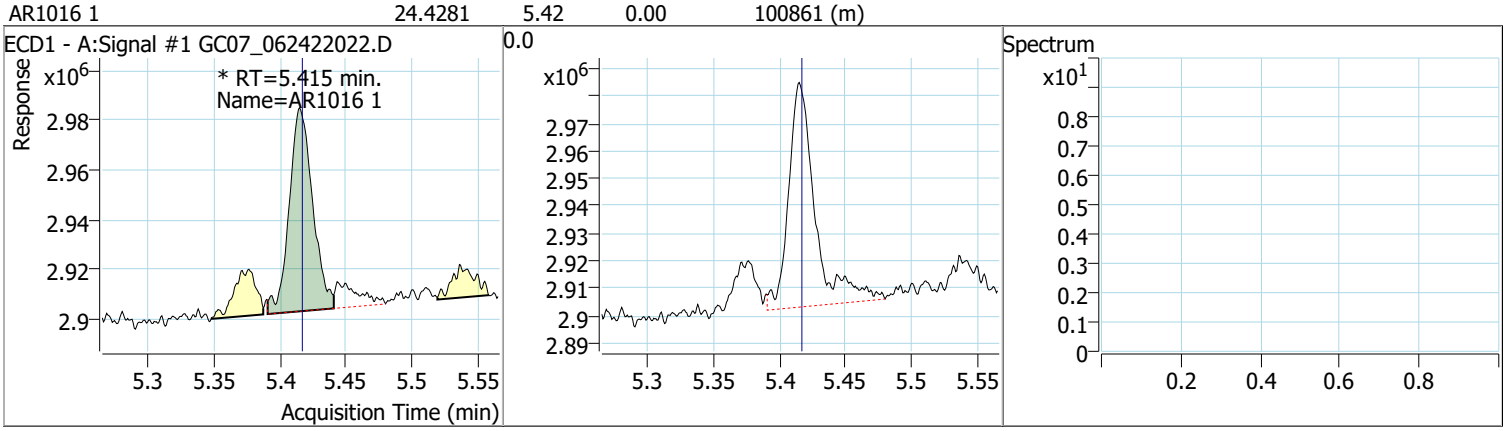
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	0.8952	5.06	0.00	181720				



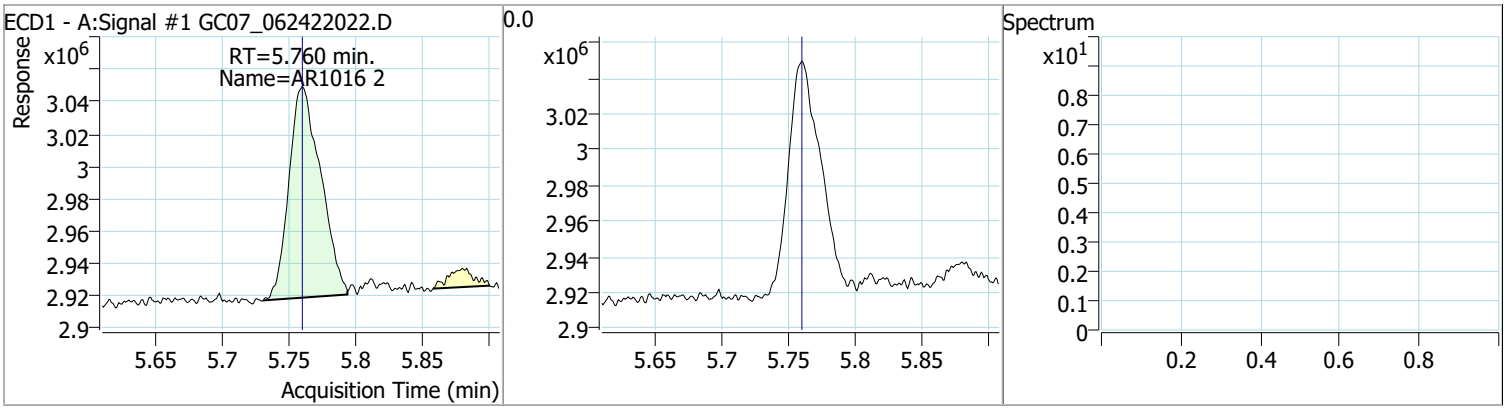
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	0.8704	5.41	0.00	45303				



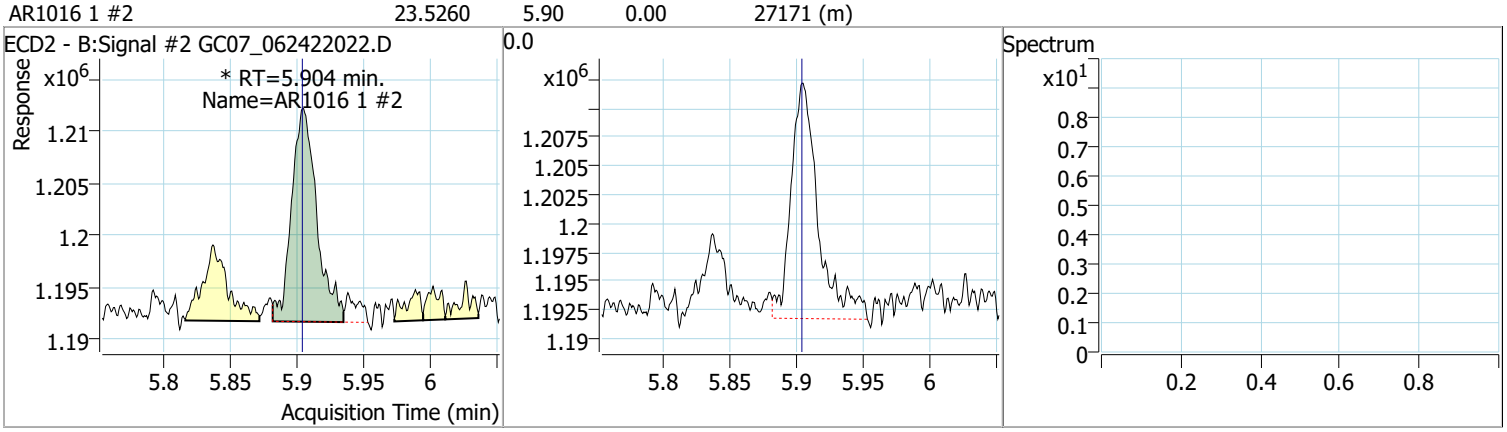
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	24.4281	5.42	0.00	100861 (m)				



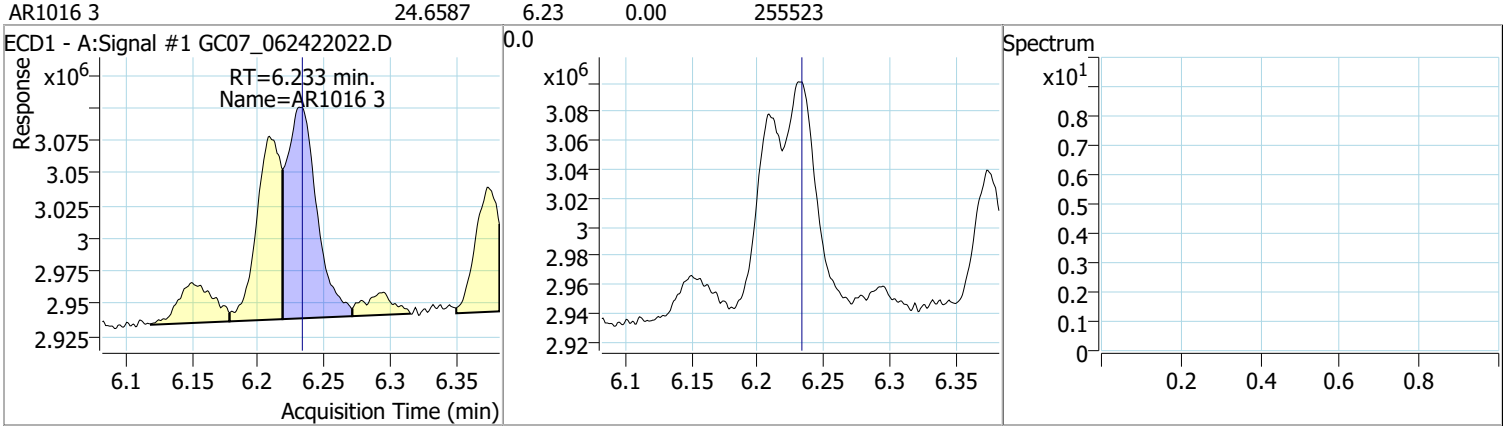
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	24.3329	5.76	0.00	217746				



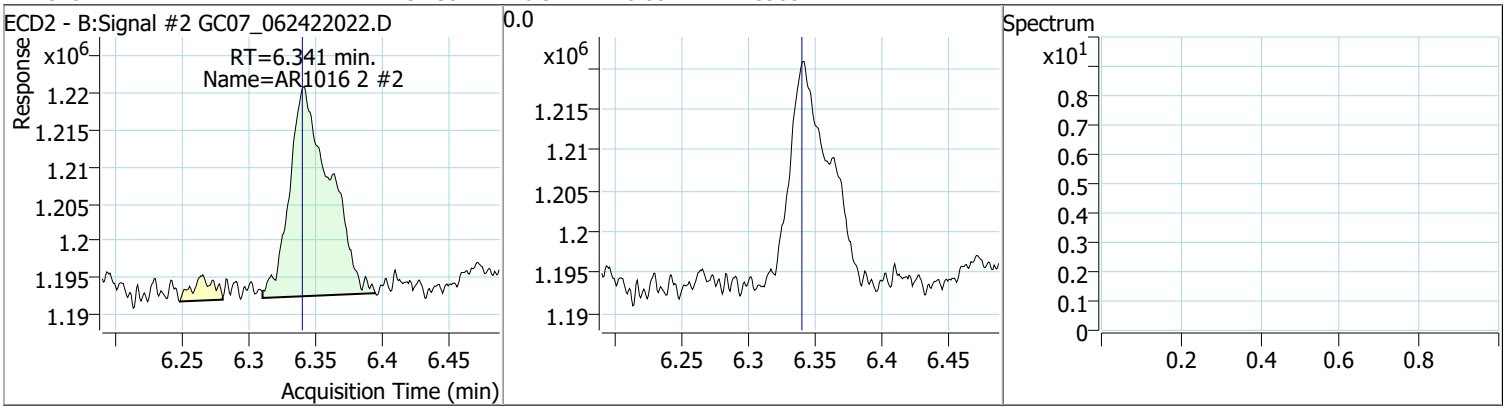
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	23.5260	5.90	0.00	27171 (m)				



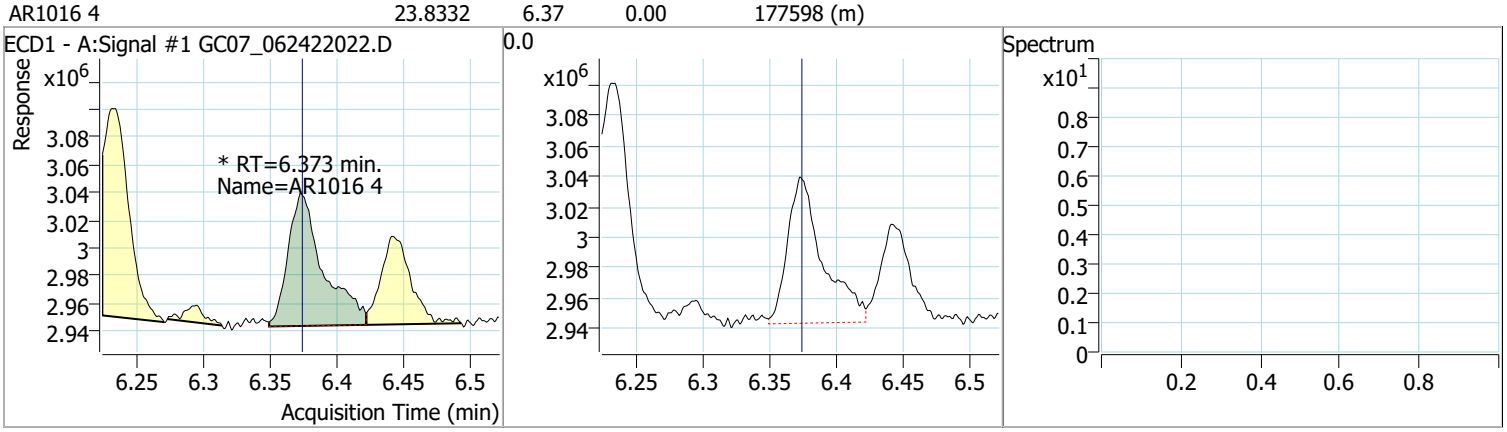
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	24.6587	6.23	0.00	255523				



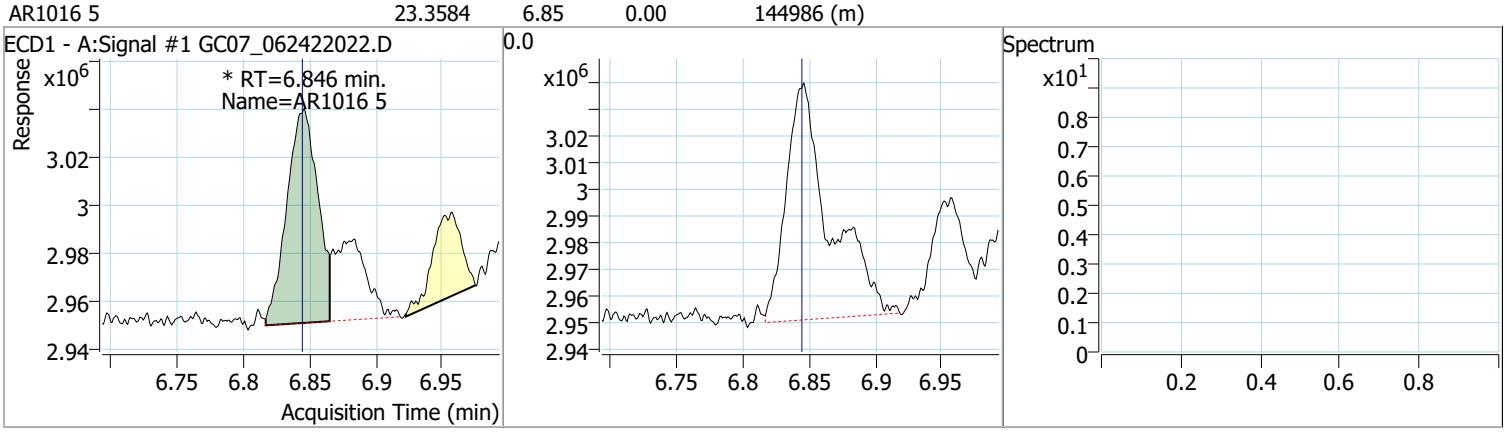
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	23.7307	6.34	0.00	59681				



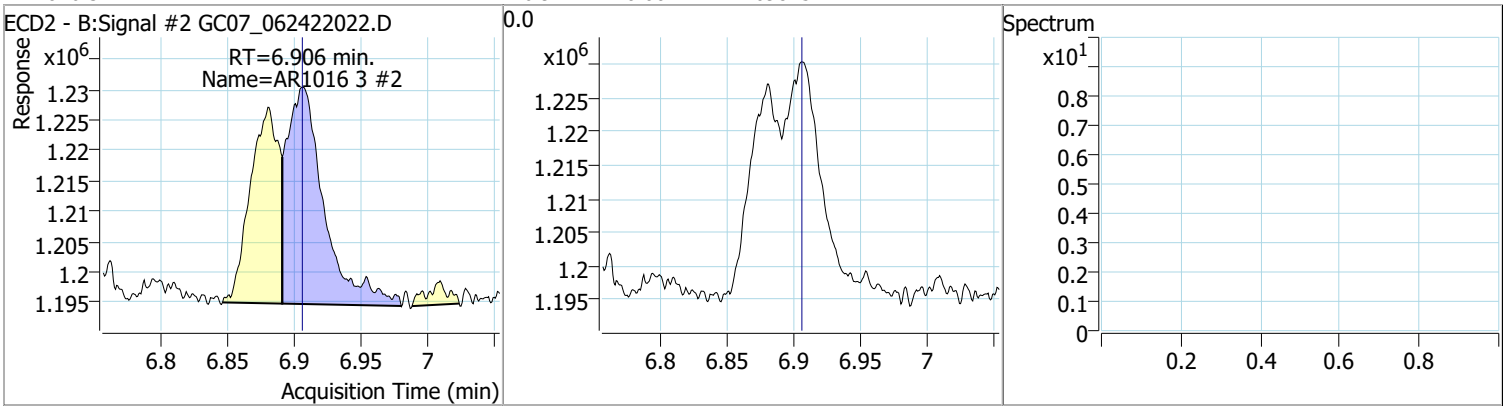
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	23.8332	6.37	0.00	177598 (m)				



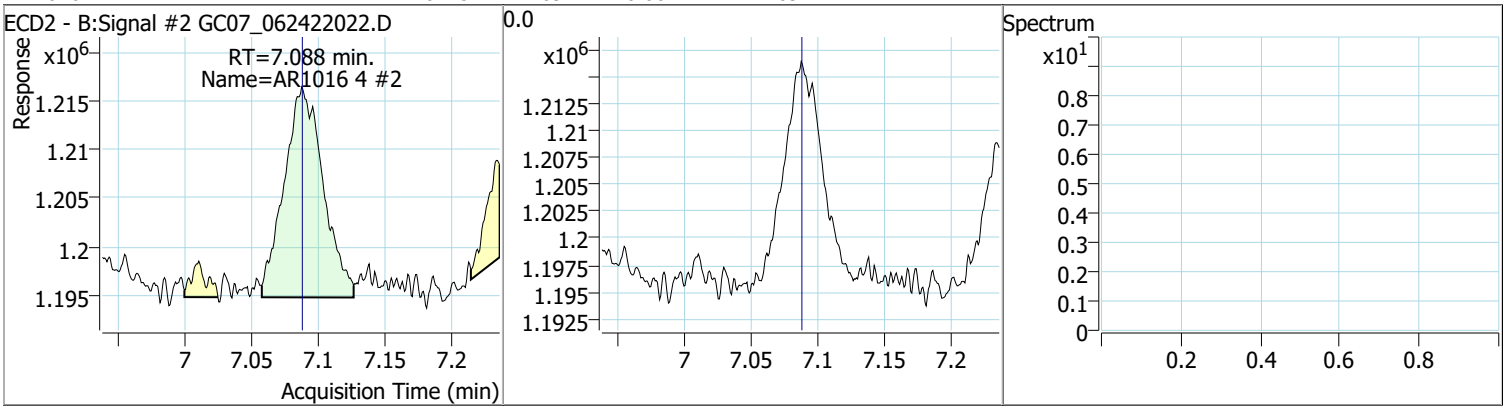
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	23.3584	6.85	0.00	144986 (m)				



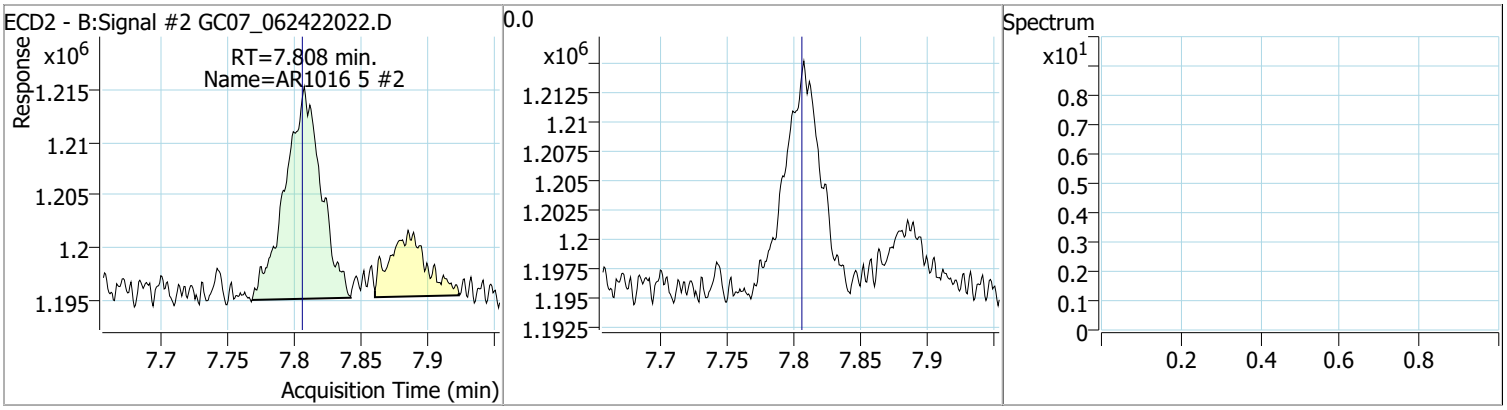
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	24.2114	6.91	0.00	69845				



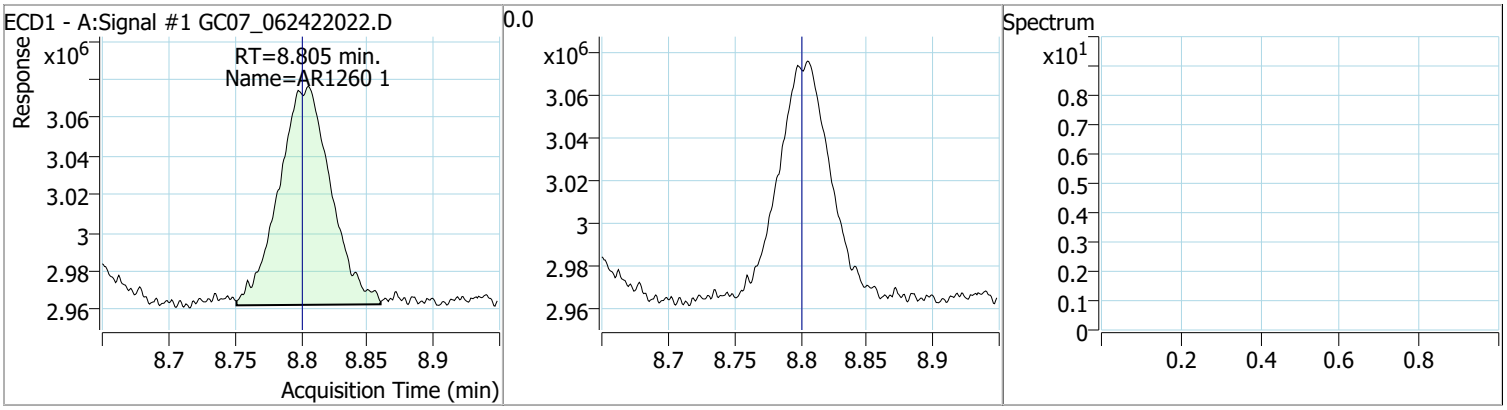
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	22.0245	7.09	0.00	44097				



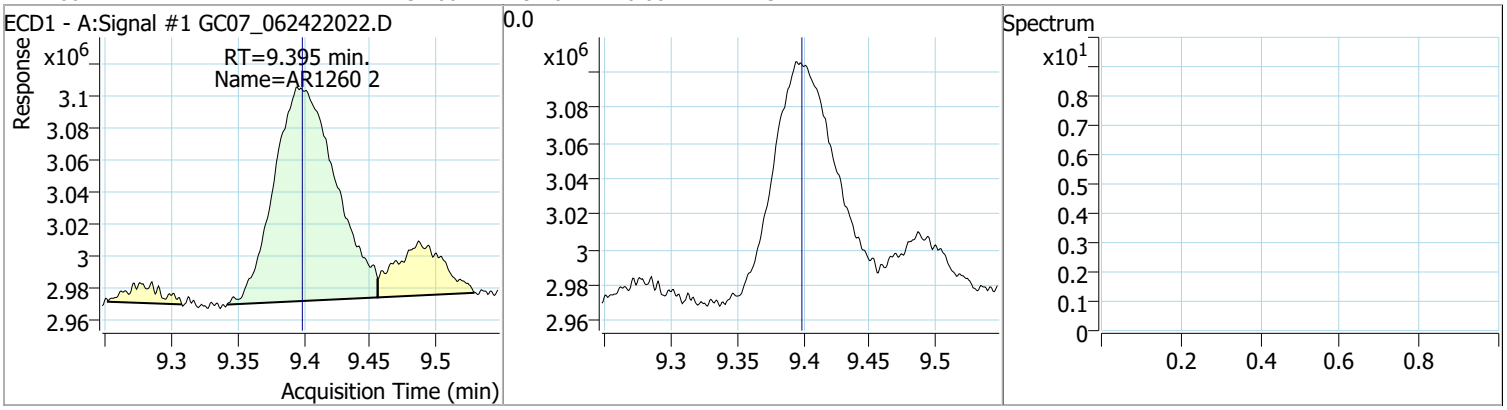
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	22.5363	7.81	0.00	37692				



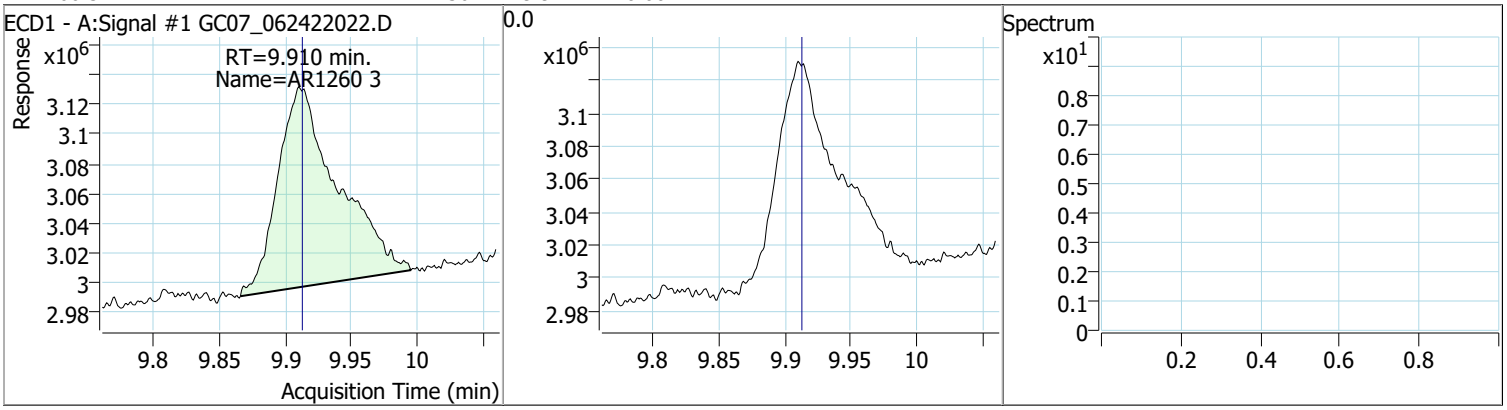
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	23.8666	8.81	0.01	312836				



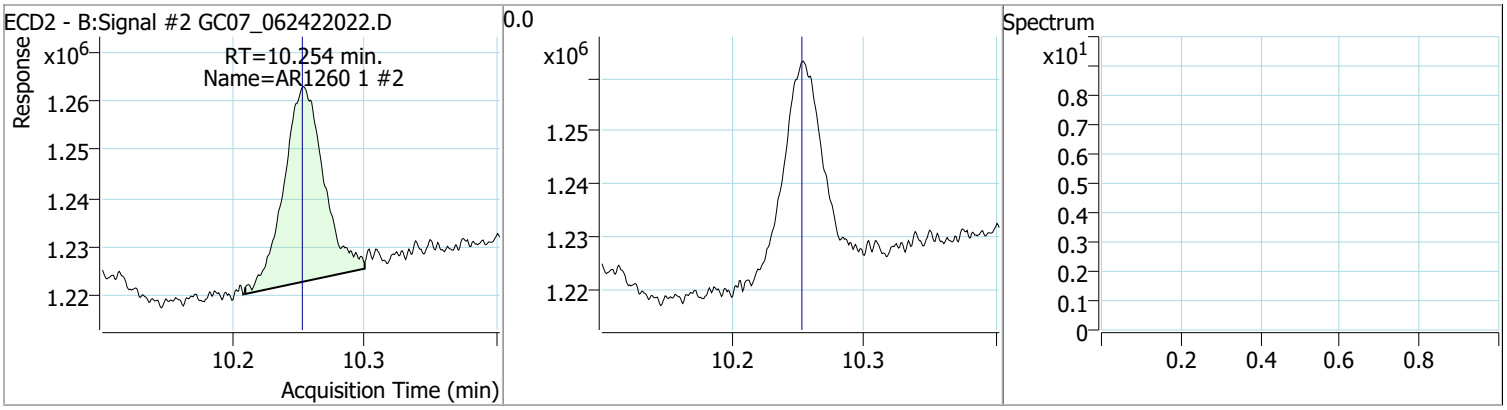
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	23.1062	9.40	0.00	434771				



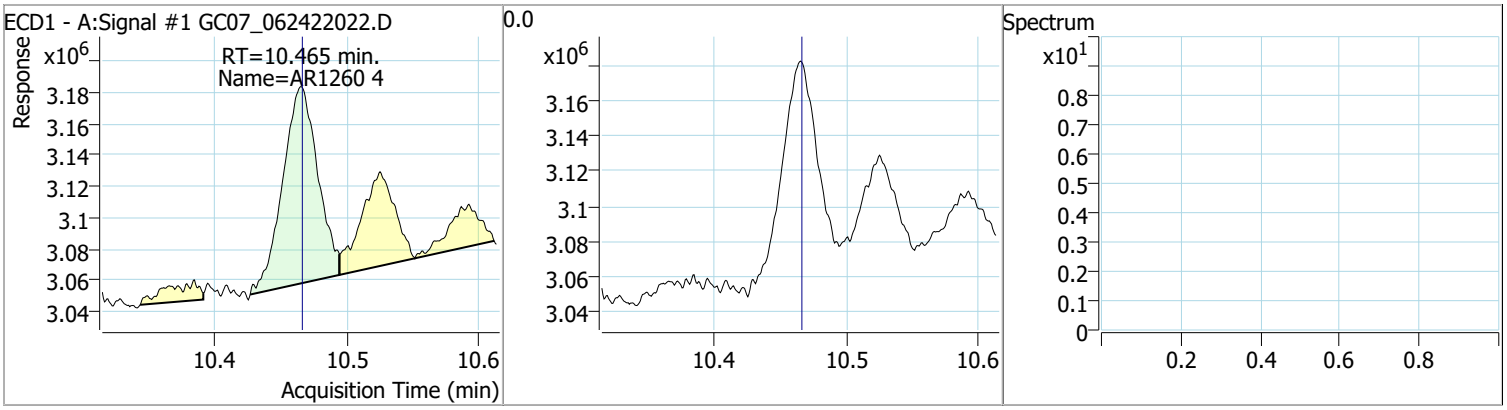
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	22.2736	9.91	0.00	424712				



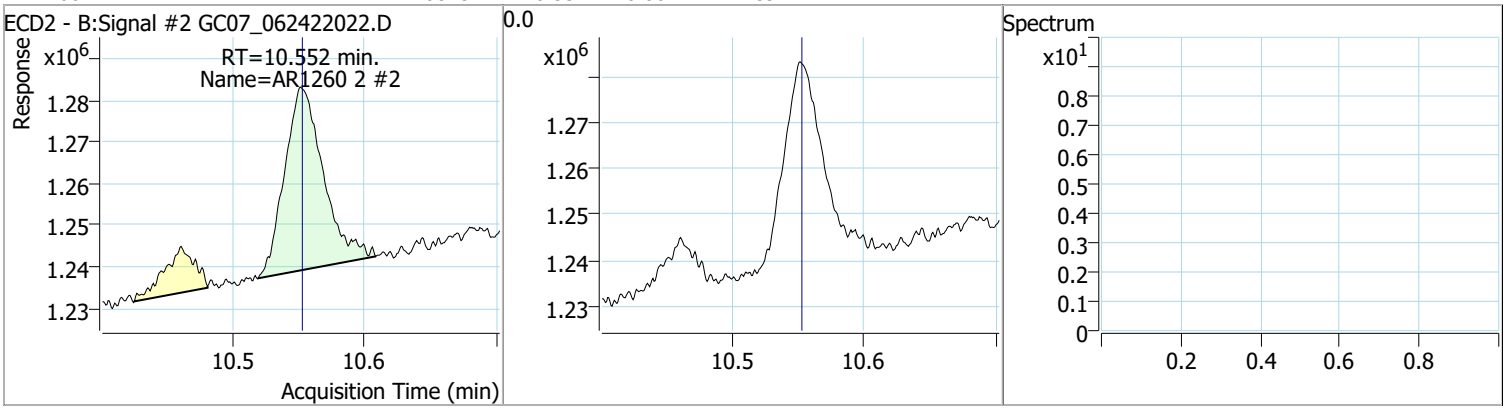
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	23.3914	10.25	0.00	84960				



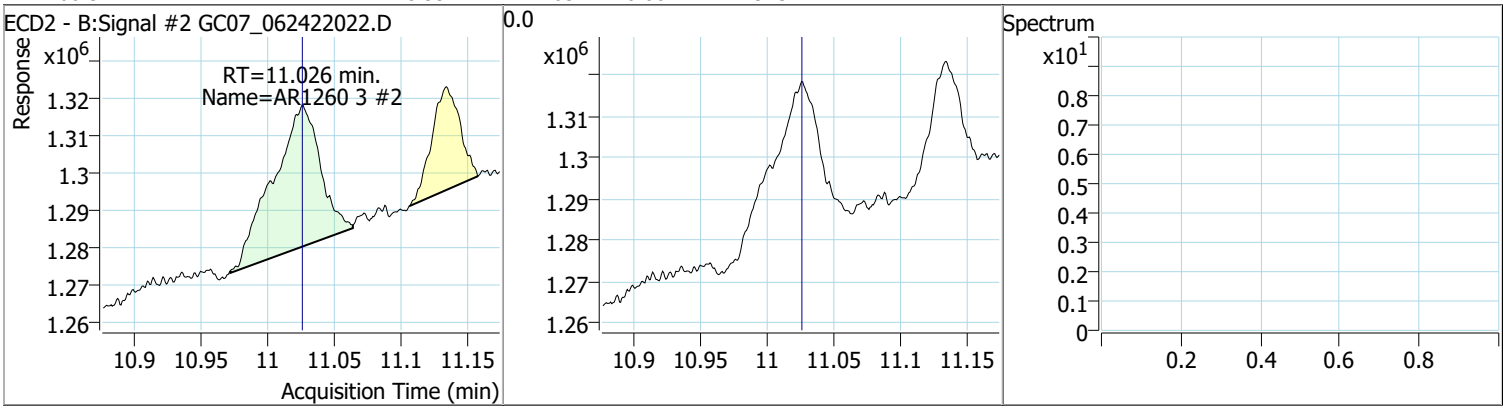
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	23.7836	10.47	0.00	231835				



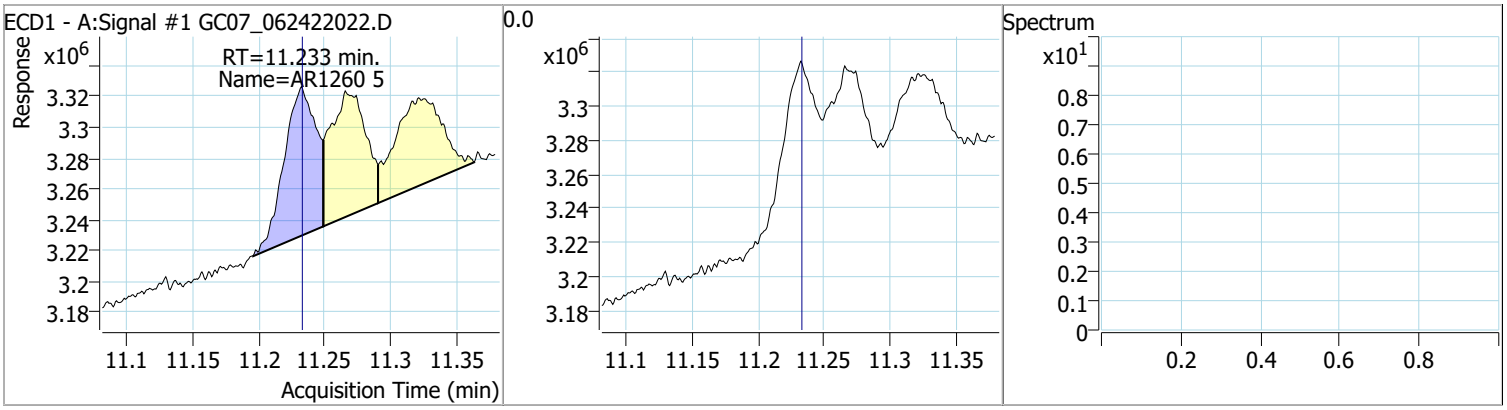
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	22.0828	10.55	0.00	89111				



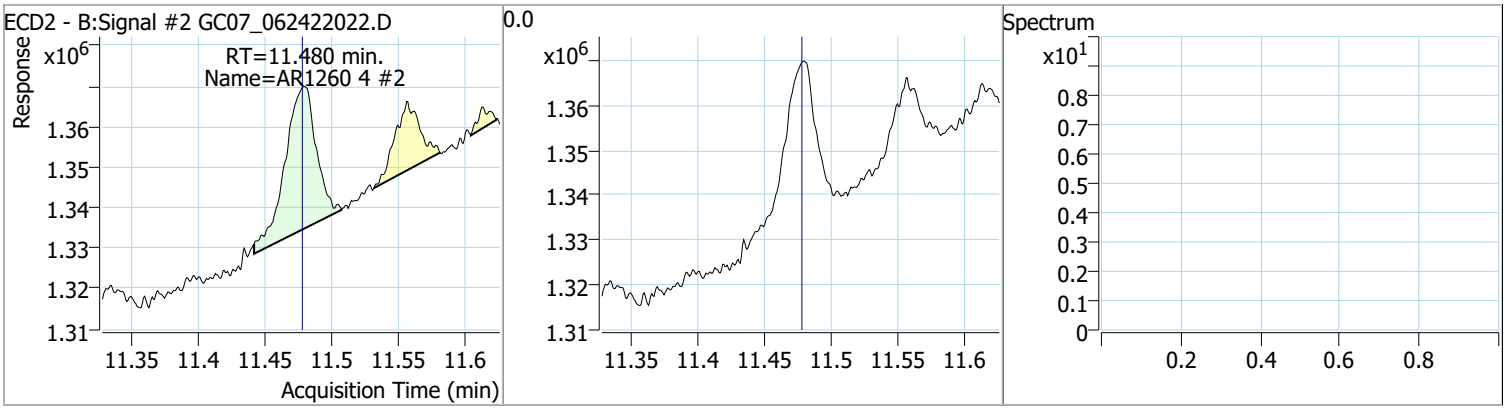
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	18.9942	11.03	0.00	94342				



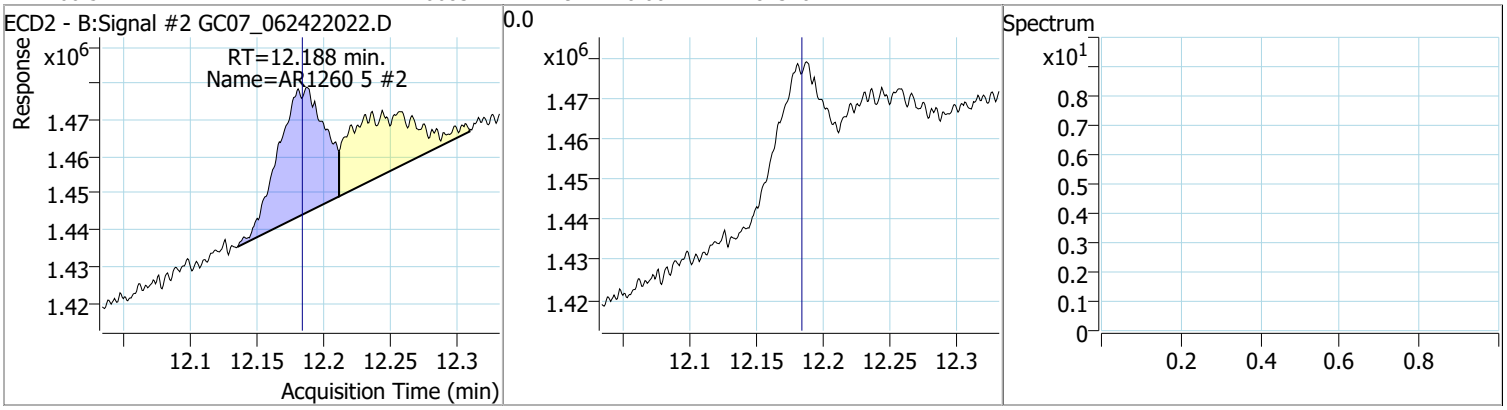
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	18.2491	11.23	0.00	163315				



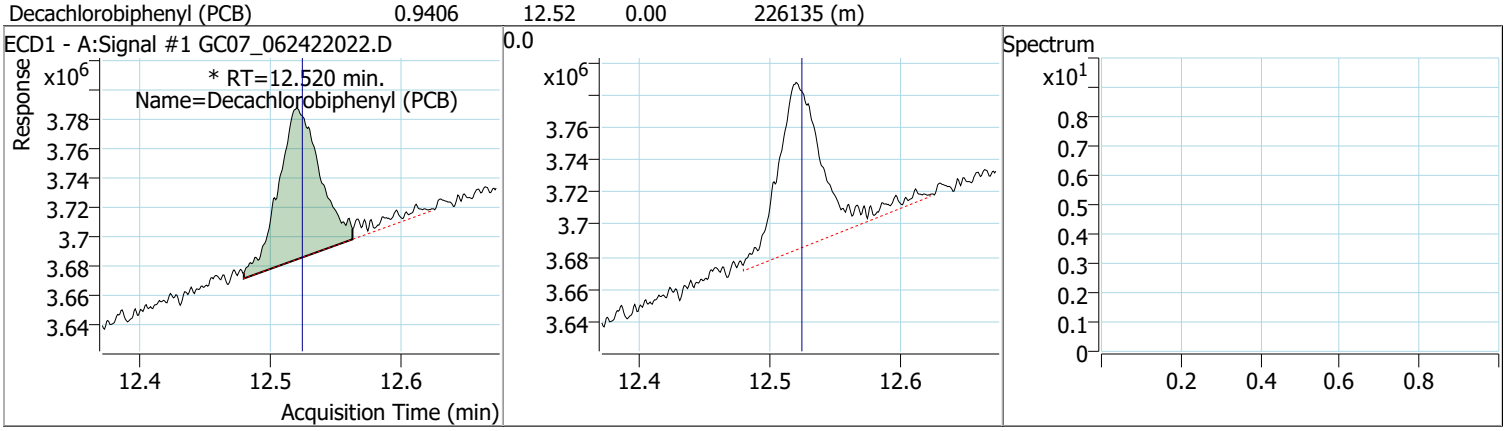
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	20.8410	11.48	0.00	58078				



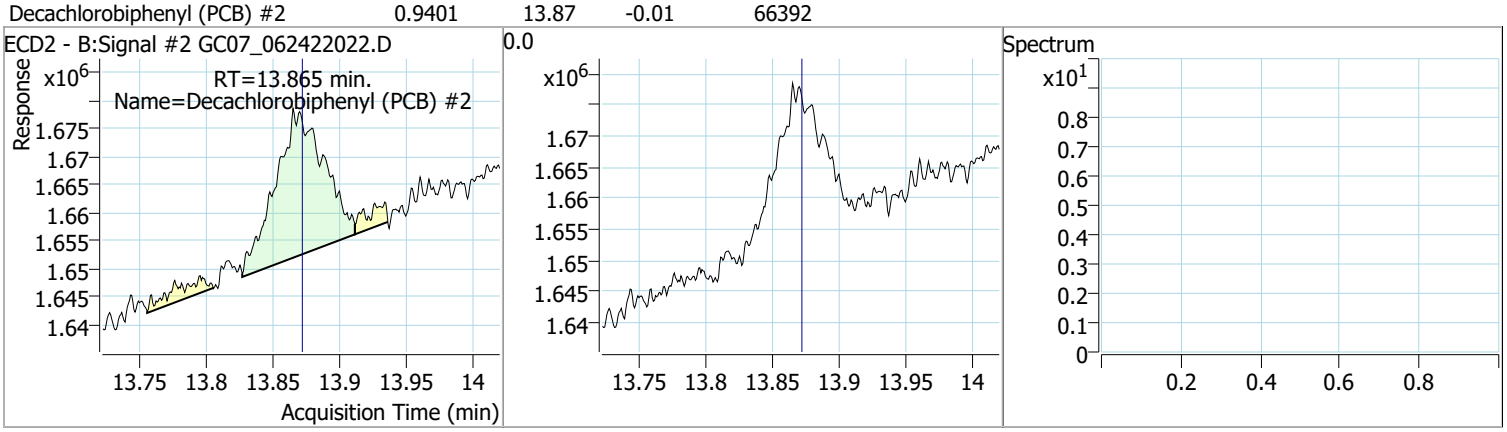
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	21.0683	12.19	0.00	84370				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	0.9406	12.52	0.00	226135 (m)				

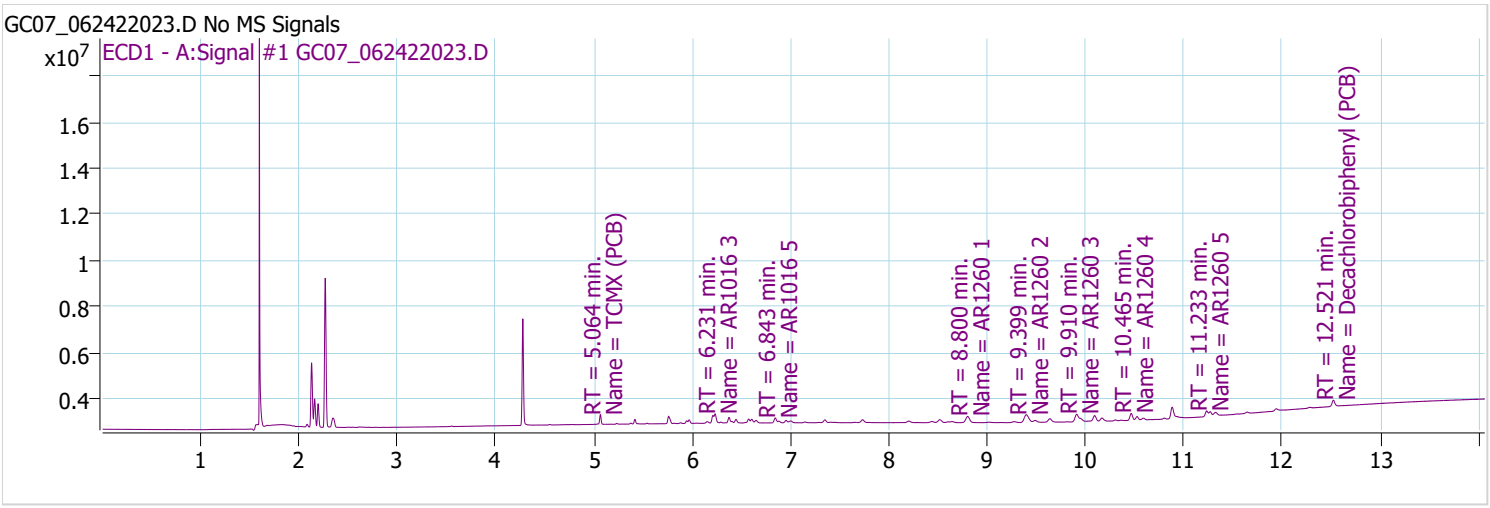


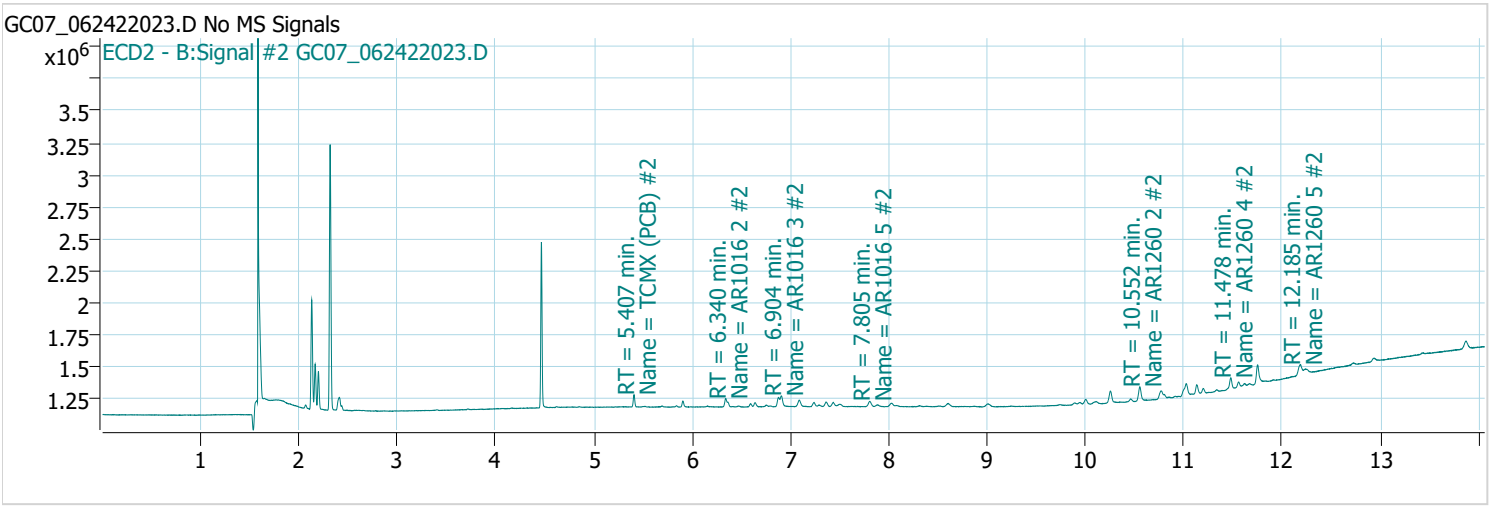
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	0.9401	13.87	-0.01	66392				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422023.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 12:57:06 AM
Sample Name	ICAL, S16726, 40	Instrument	SVOA-GC07
Vial	12	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	50 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



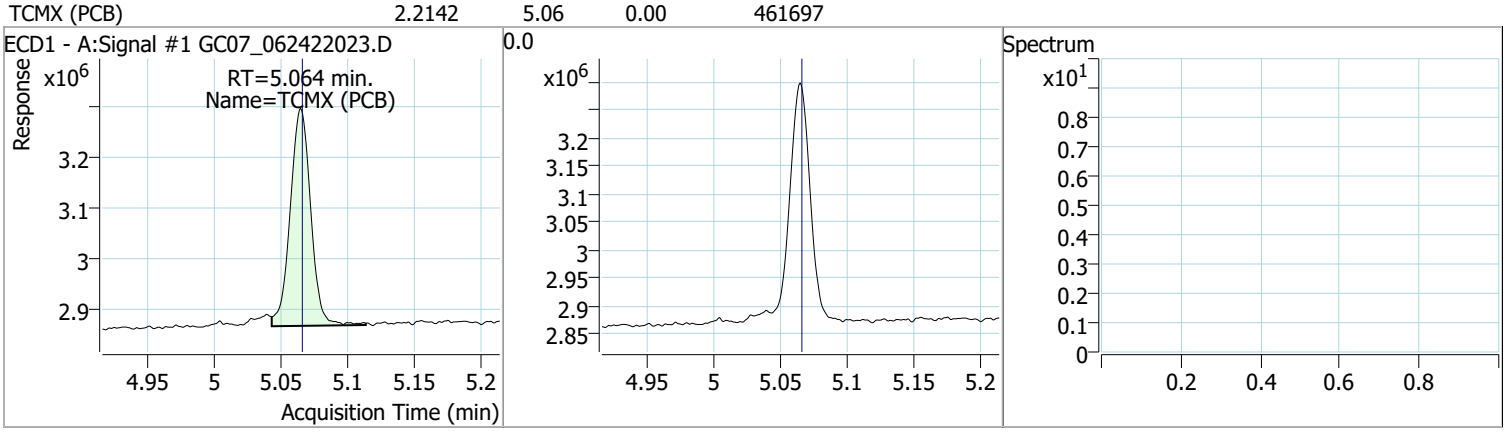


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.275	0.0	4421081.238	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.464	0.0	1166029.162	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.064	0.0	461696.881	2.2142	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 11.07%		*	
S TCMX (PCB) #2	5.407	0.0	103612.107	1.9580	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 9.79%		*	
S Decachlorobiphenyl (PCB)	12.521	0.0	553575.109	2.2415	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 11.21%		*	
S Decachlorobiphenyl (PCB) #2	13.874	0.0	166632.232	2.3208	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 11.60%		*	
Target Compounds							QValue
T AR1016 1	5.416	0.0	237850.351	56.0780	ng/ml		100
T AR1016 2	5.758	0.0	534537.195	58.1490	ng/ml		100
T AR1016 1 #2	5.903	0.0	60136.646	51.2128	ng/ml		100

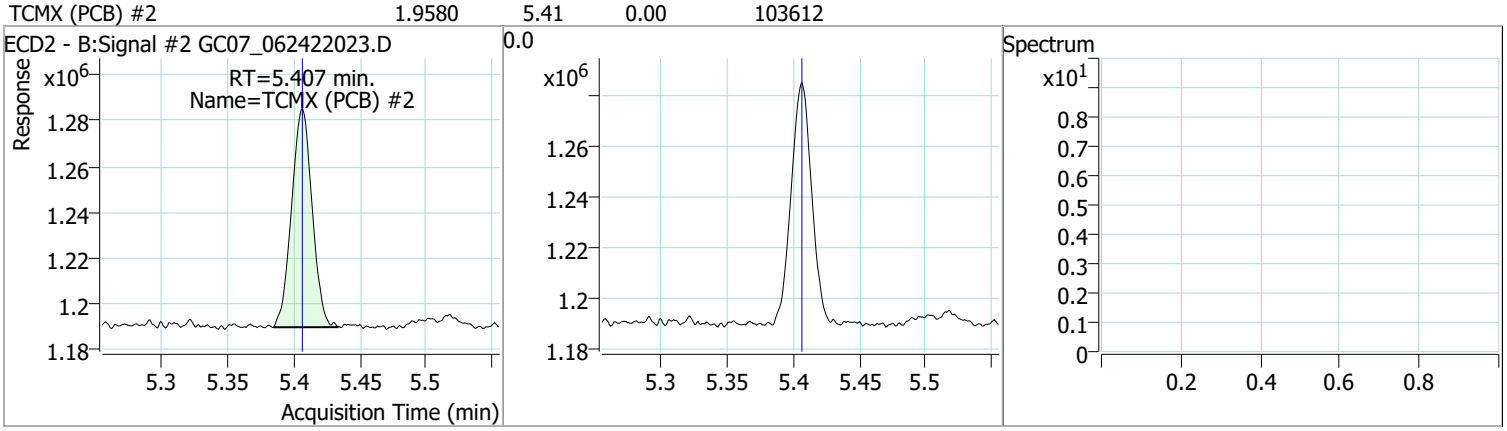
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 3	6.231	0.0	599053.673	56.2764	ng/ml		100
T AR1016 2 #2	6.340	0.0	136866.628	53.5269	ng/ml		100
T AR1016 4	6.373	0.0	425242.429	55.5522	ng/ml		100
T AR1016 5	6.843	0.0	356105.605	55.8492	ng/ml		100
T AR1016 3 #2	6.904	0.0	153954.877	52.4901	ng/ml		100
T AR1016 4 #2	7.088	0.0	110455.001	54.2604	ng/ml	m	100
T AR1016 5 #2	7.805	0.0	92592.611	54.4514	ng/ml		100
T AR1260 1	8.800	0.0	762811.285	56.6516	ng/ml		100
T AR1260 2	9.399	0.0	1080530.411	55.9018	ng/ml		100
T AR1260 3	9.910	0.0	1052709.932	53.7435	ng/ml		100
T AR1260 1 #2	10.252	0.0	191092.109	51.7466	ng/ml		100
T AR1260 4	10.465	0.0	555278.694	55.4537	ng/ml		100
T AR1260 2 #2	10.552	0.0	214360.496	52.2477	ng/ml		100
T AR1260 3 #2	11.024	0.0	252189.870	49.9394	ng/ml		100
T AR1260 5	11.233	0.0	443921.654	48.2882	ng/ml		100
T AR1260 4 #2	11.478	0.0	151432.269	53.4472	ng/ml		100
T AR1260 5 #2	12.185	0.0	211880.137	52.0391	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

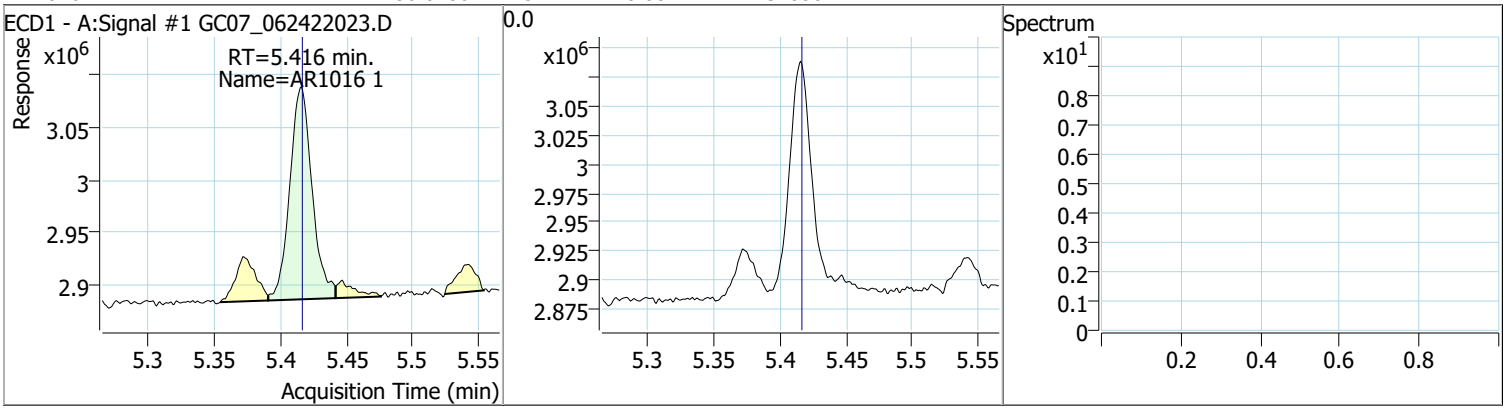
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	2.2142	5.06	0.00	461697				



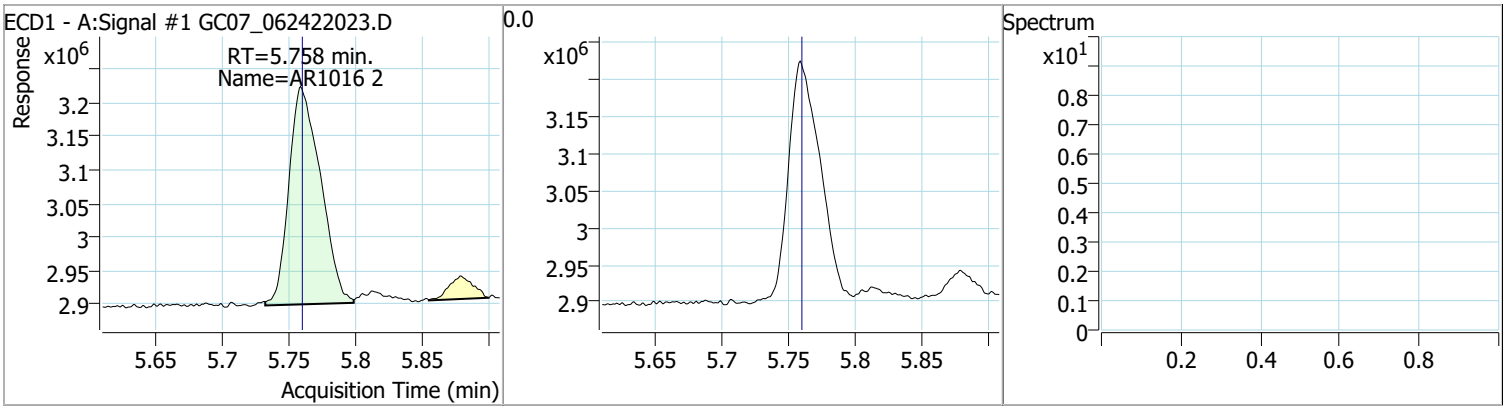
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	1.9580	5.41	0.00	103612				



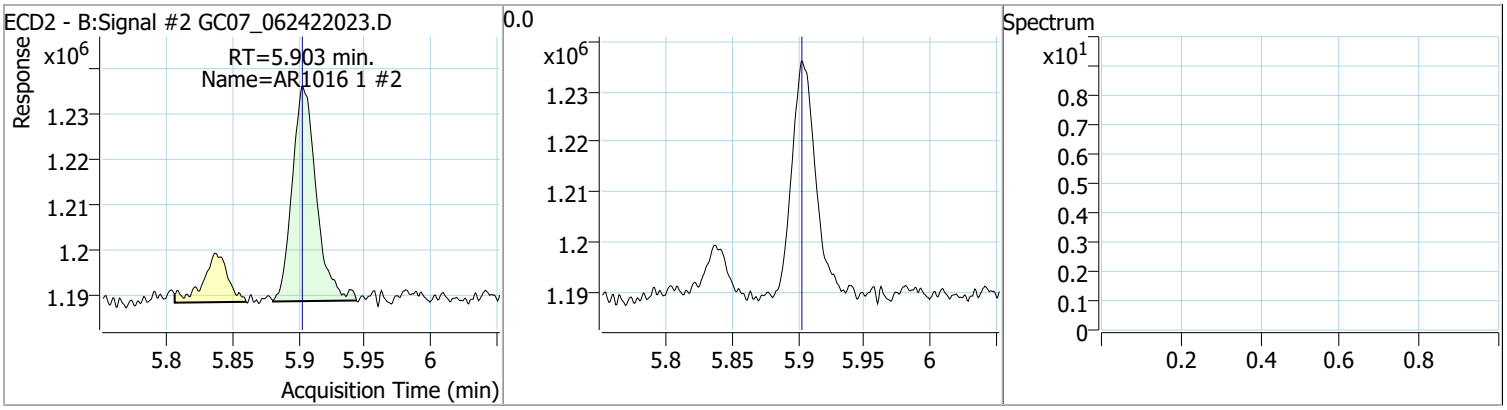
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	56.0780	5.42	0.00	237850				



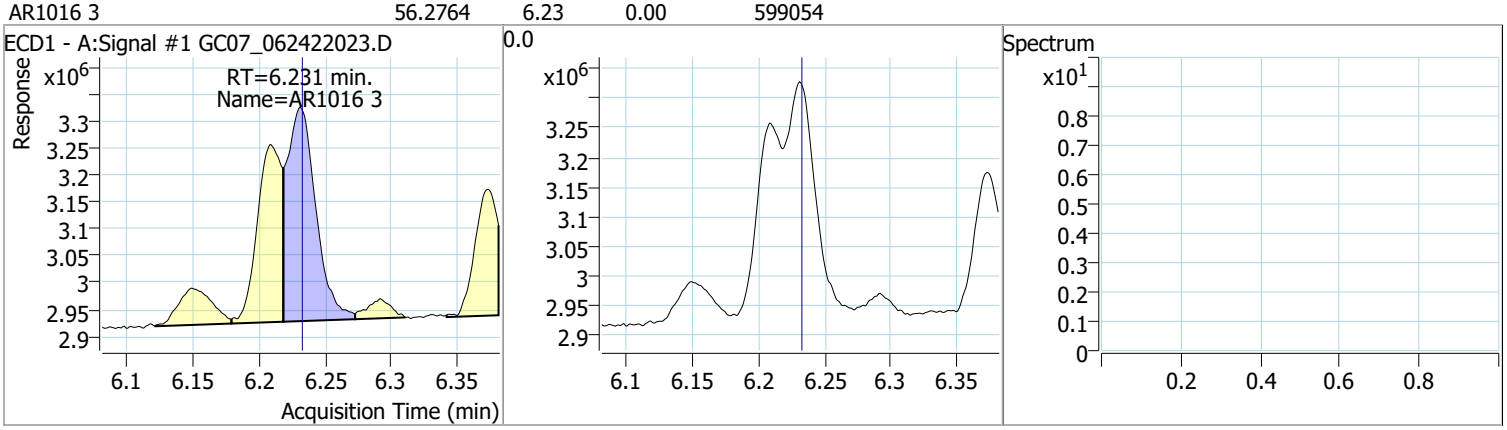
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	58.1490	5.76	0.00	534537				



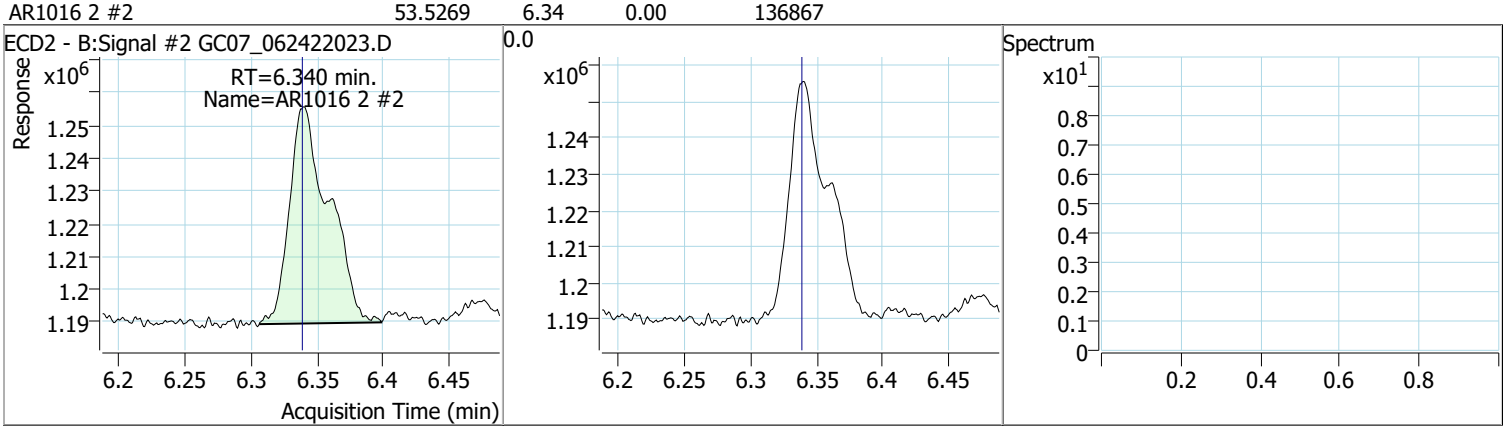
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	51.2128	5.90	0.00	60137				



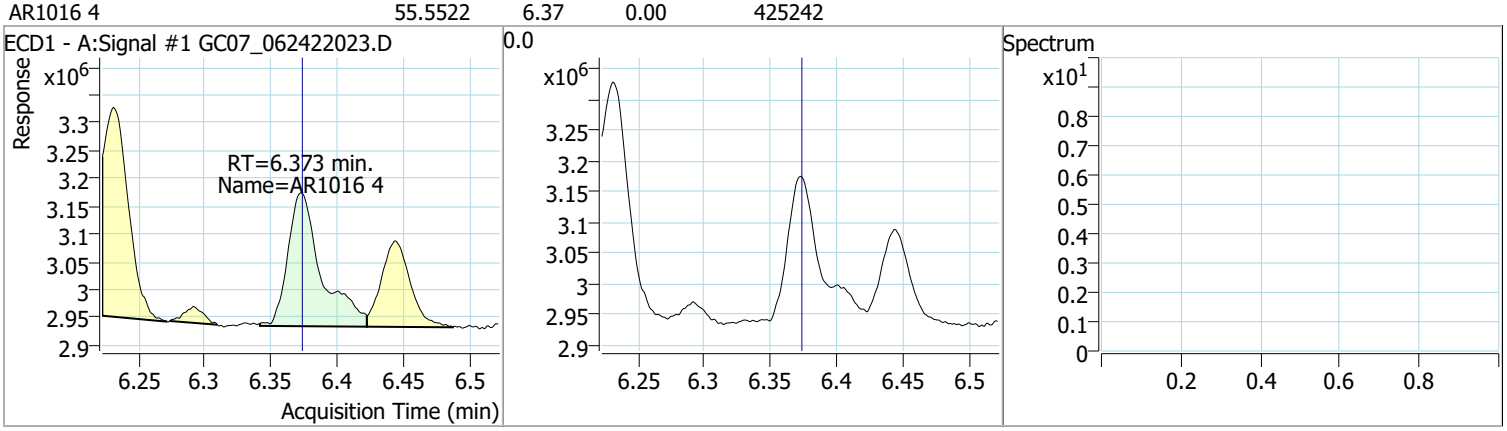
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	56.2764	6.23	0.00	599054				



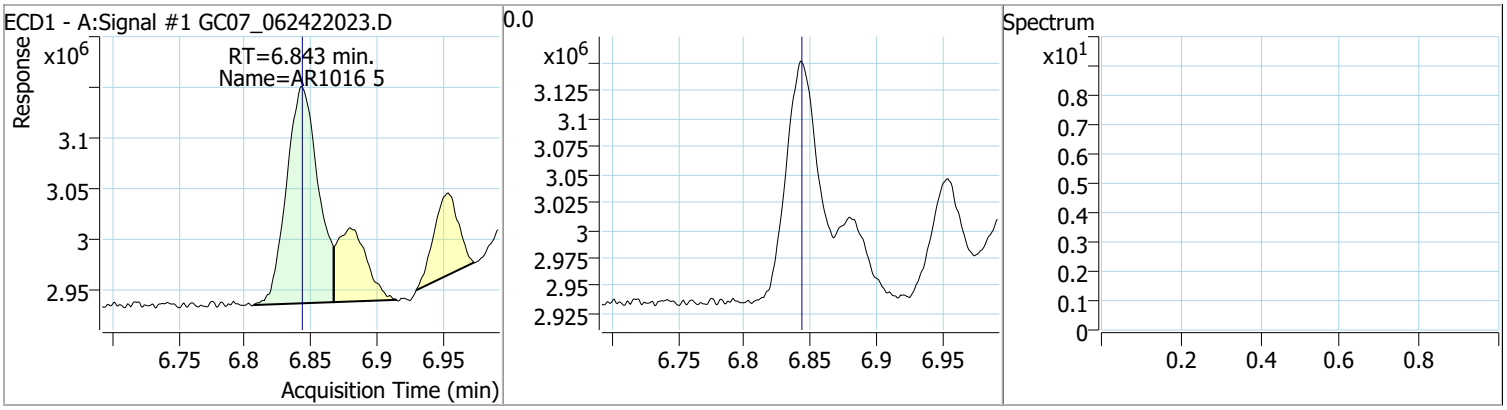
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	53.5269	6.34	0.00	136867				



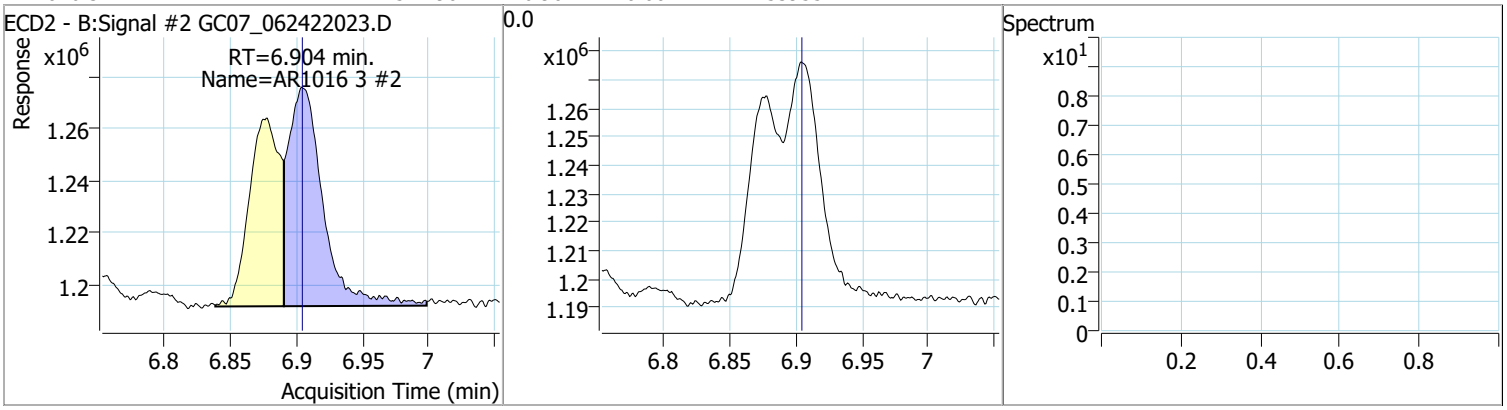
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	55.5522	6.37	0.00	425242				



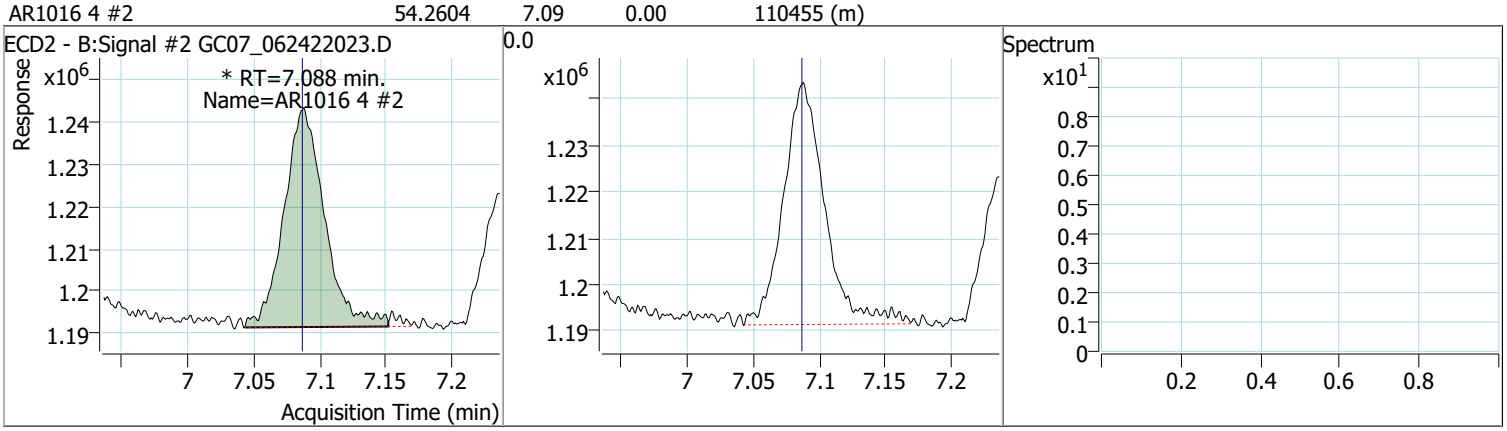
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	55.8492	6.84	0.00	356106				



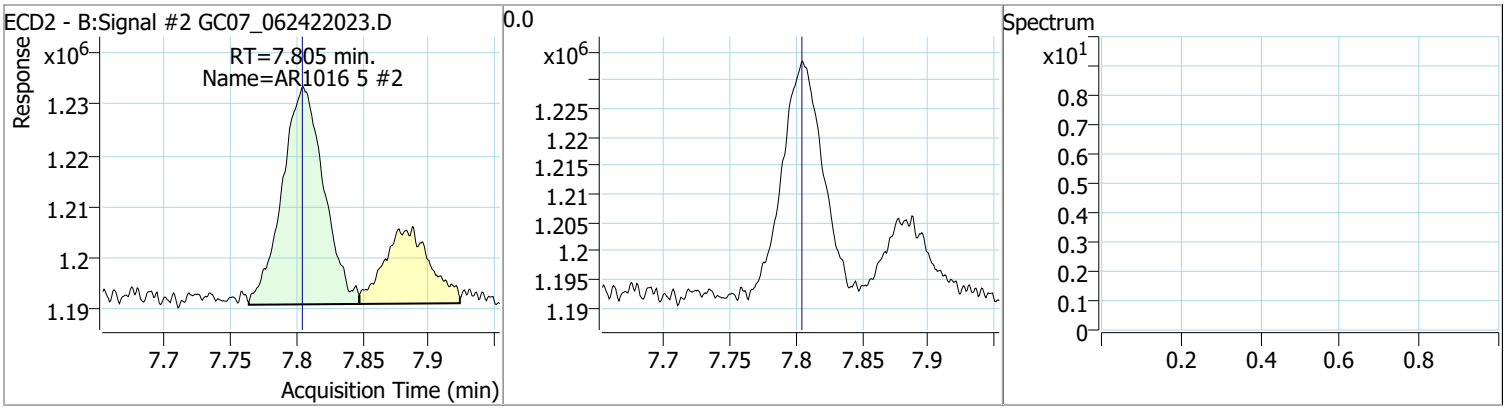
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	52.4901	6.90	0.00	153955				



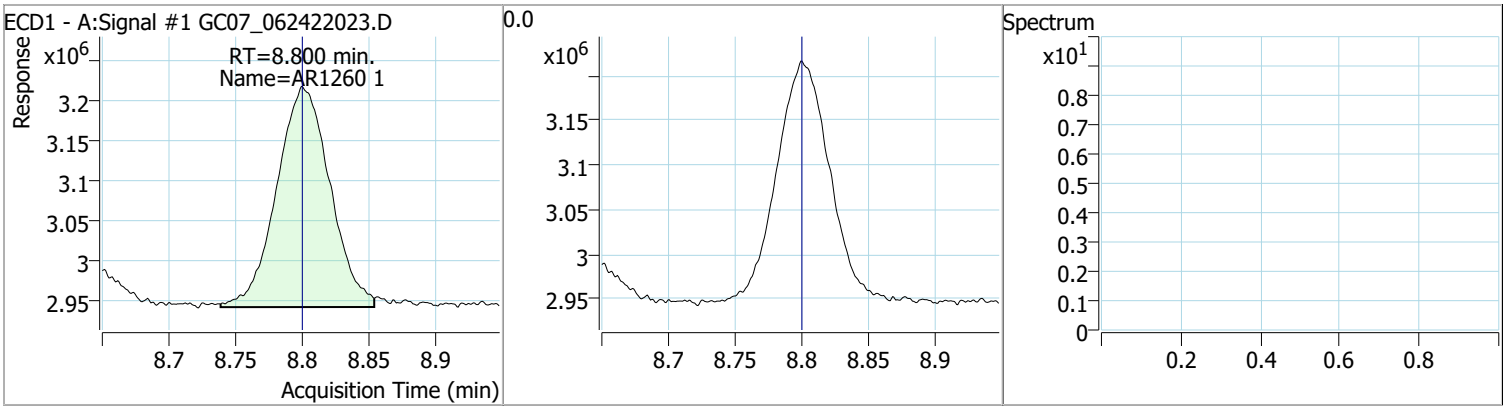
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	54.2604	7.09	0.00	110455 (m)				



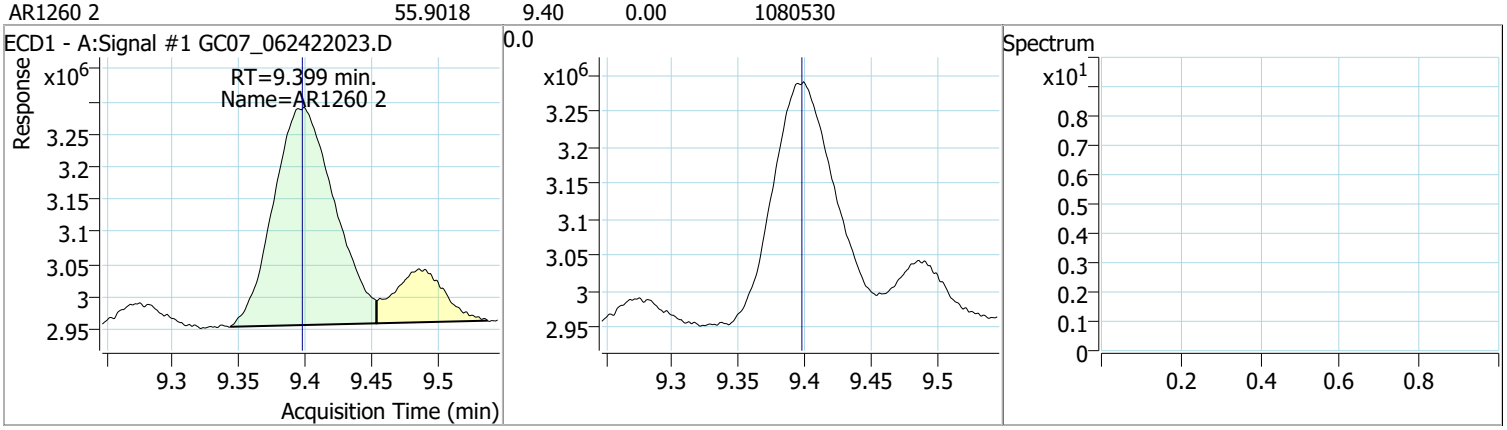
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	54.4514	7.81	0.00	92593				



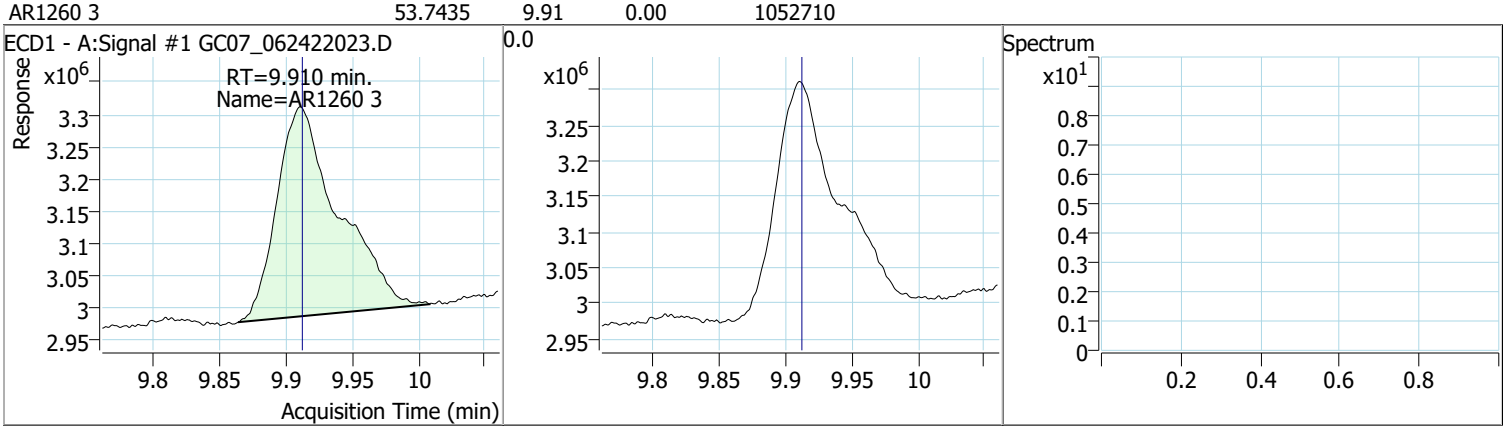
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	56.6516	8.80	0.00	762811				



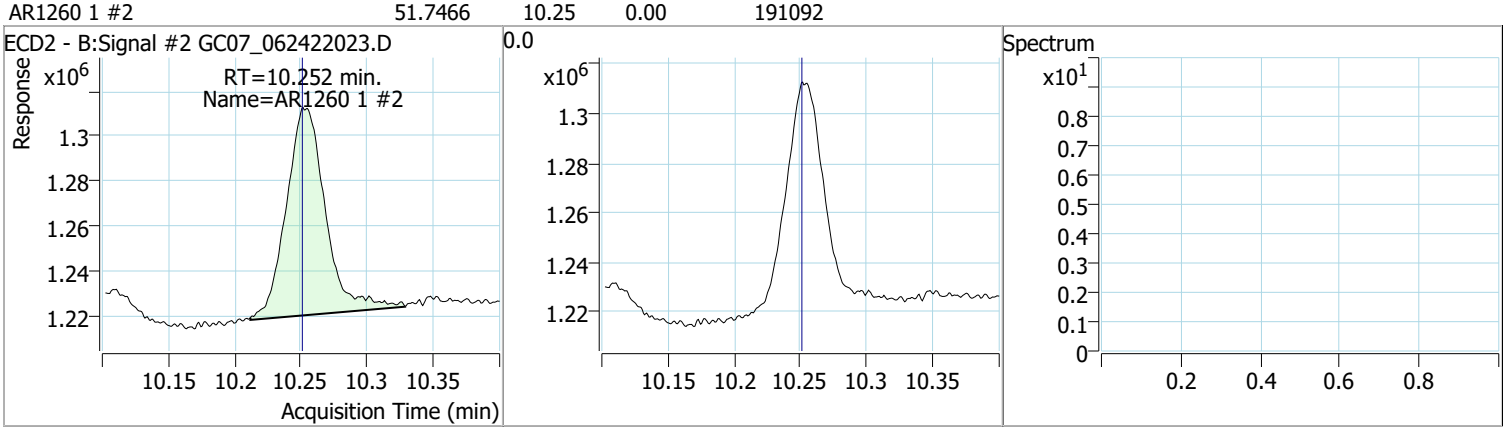
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	55.9018	9.40	0.00	1080530				



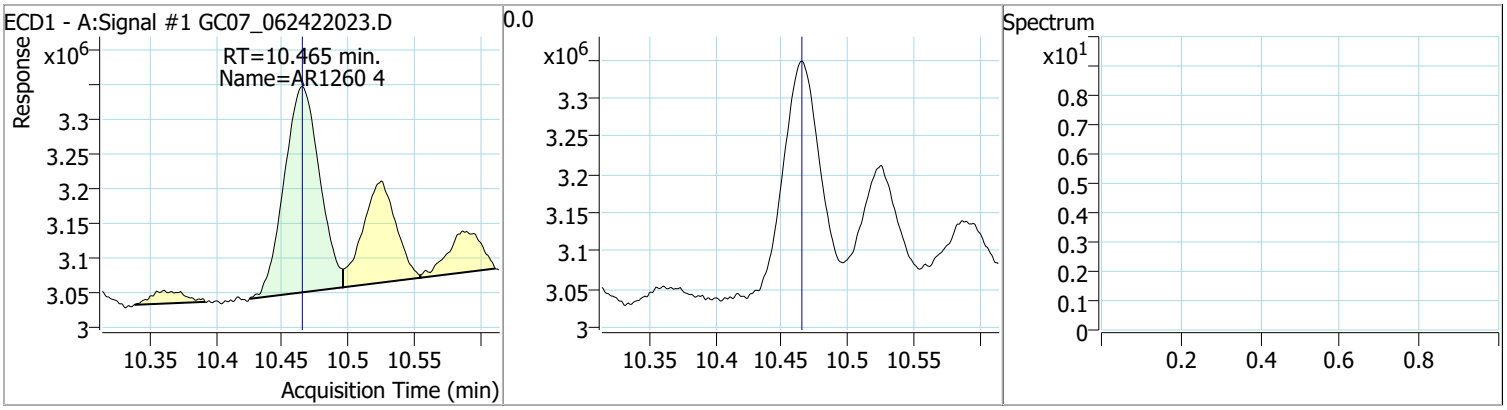
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	53.7435	9.91	0.00	1052710				



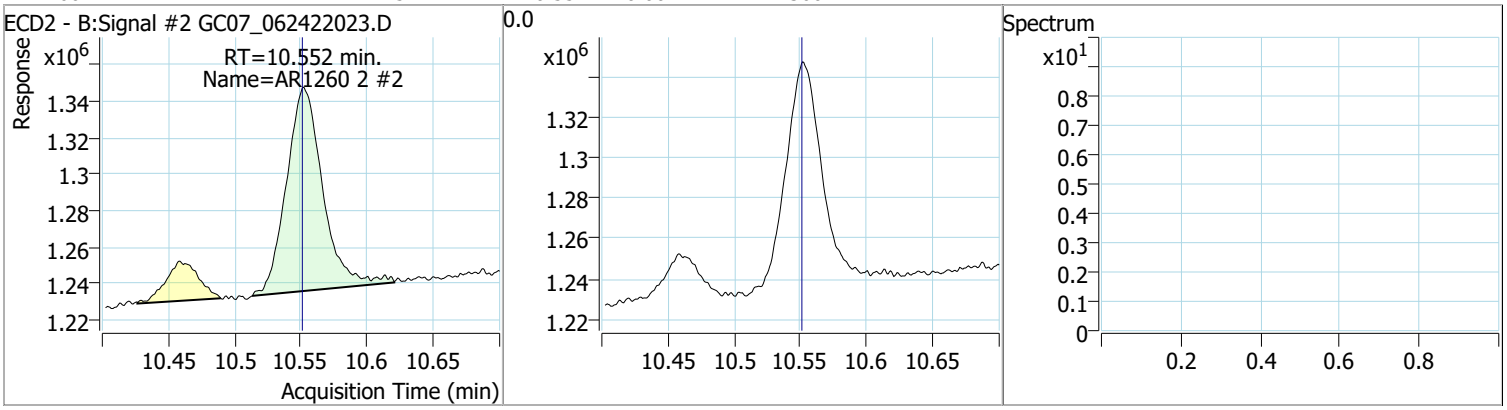
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	51.7466	10.25	0.00	191092				



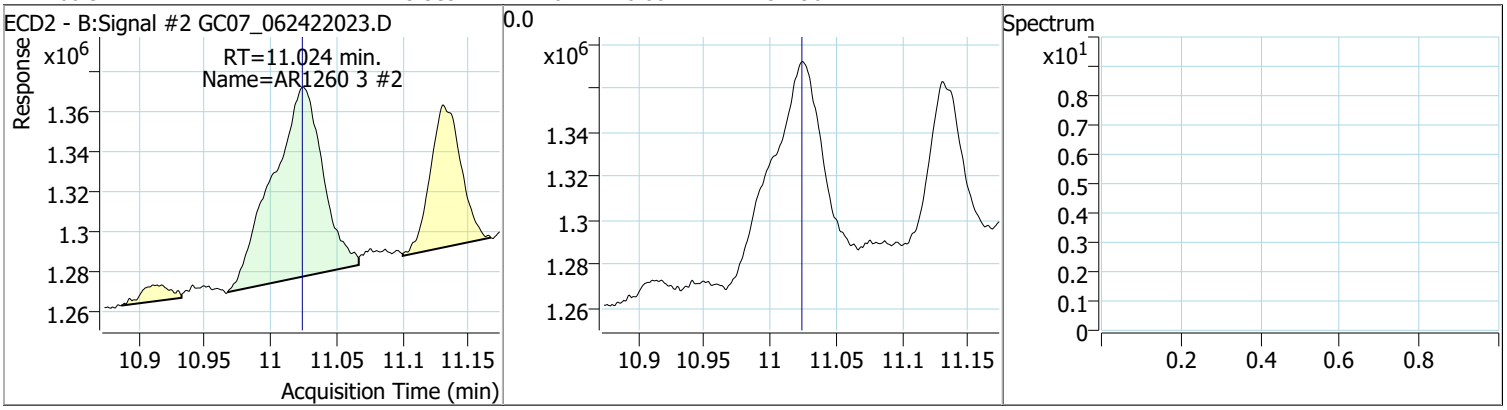
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	55.4537	10.47	0.00	555279				



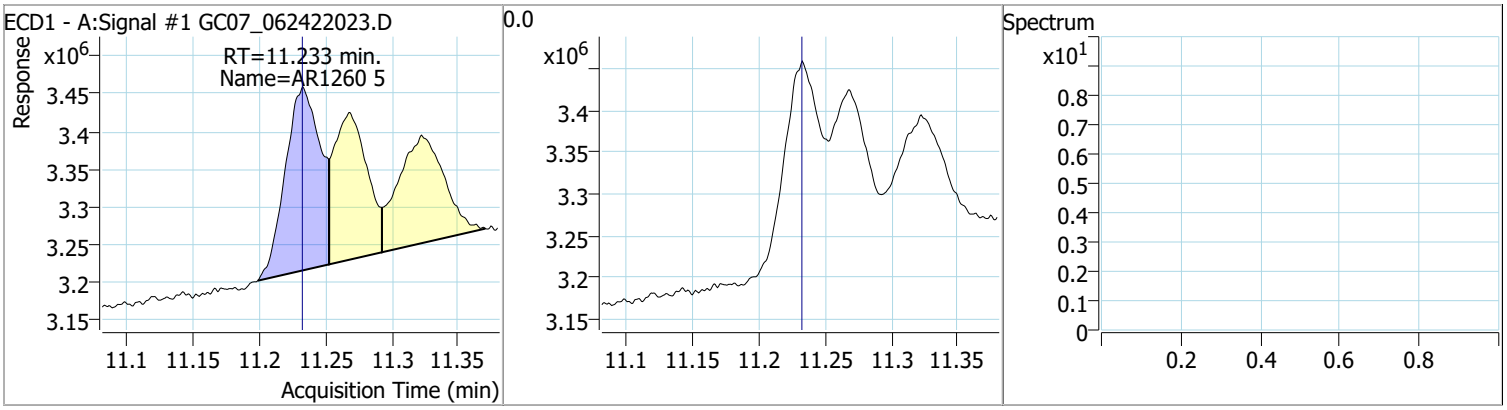
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	52.2477	10.55	0.00	214360				



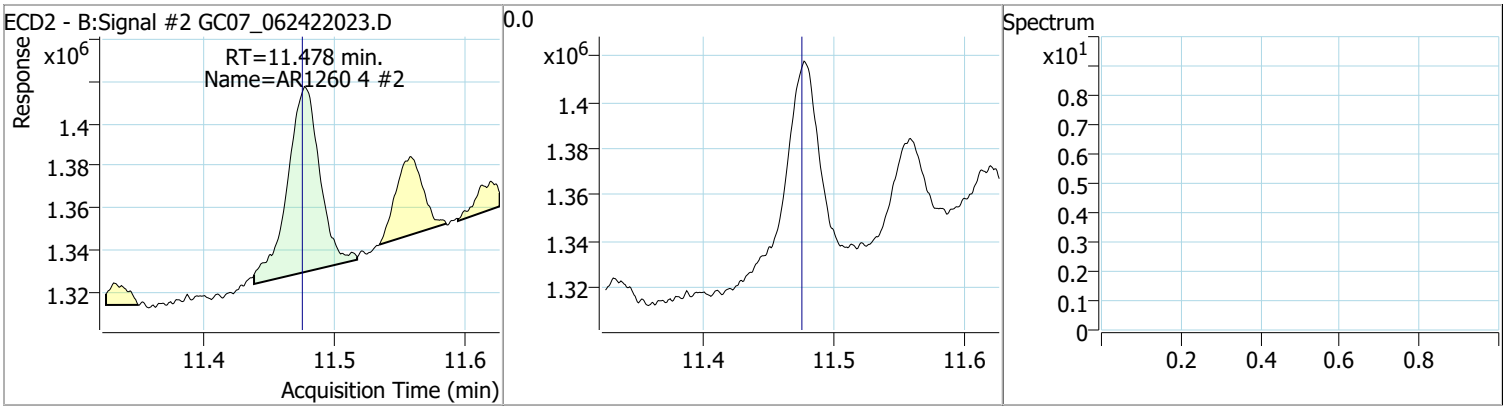
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	49.9394	11.02	0.00	252190				



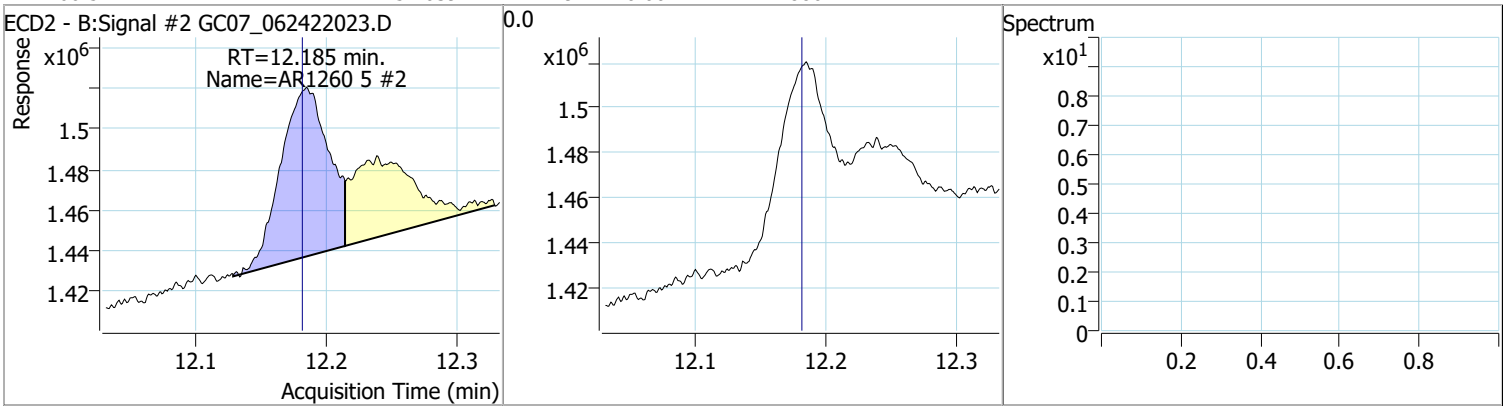
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	48.2882	11.23	0.00	443922				



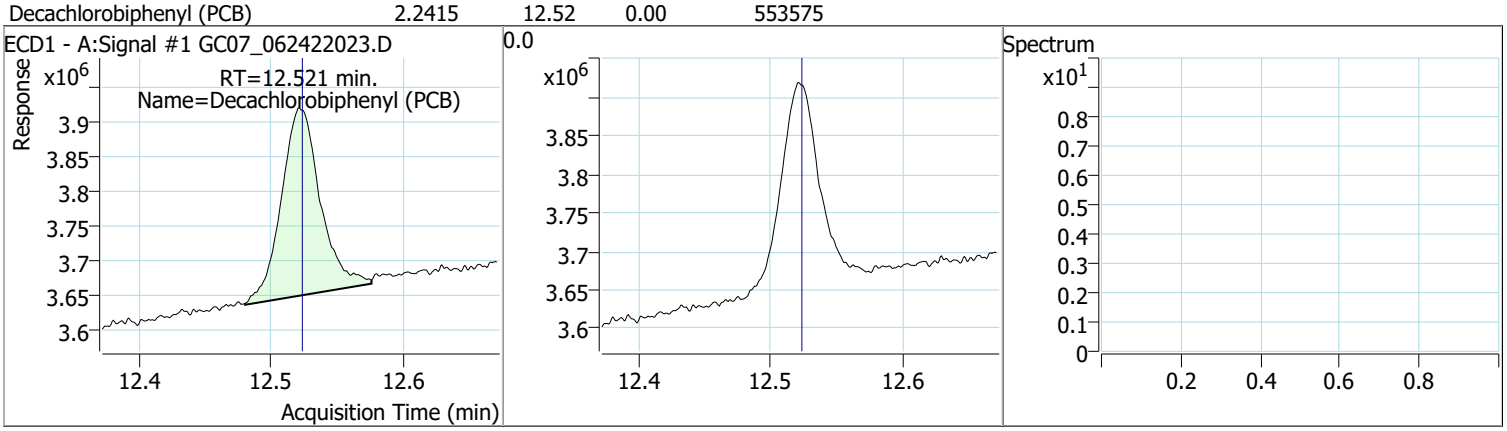
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	53.4472	11.48	0.00	151432				



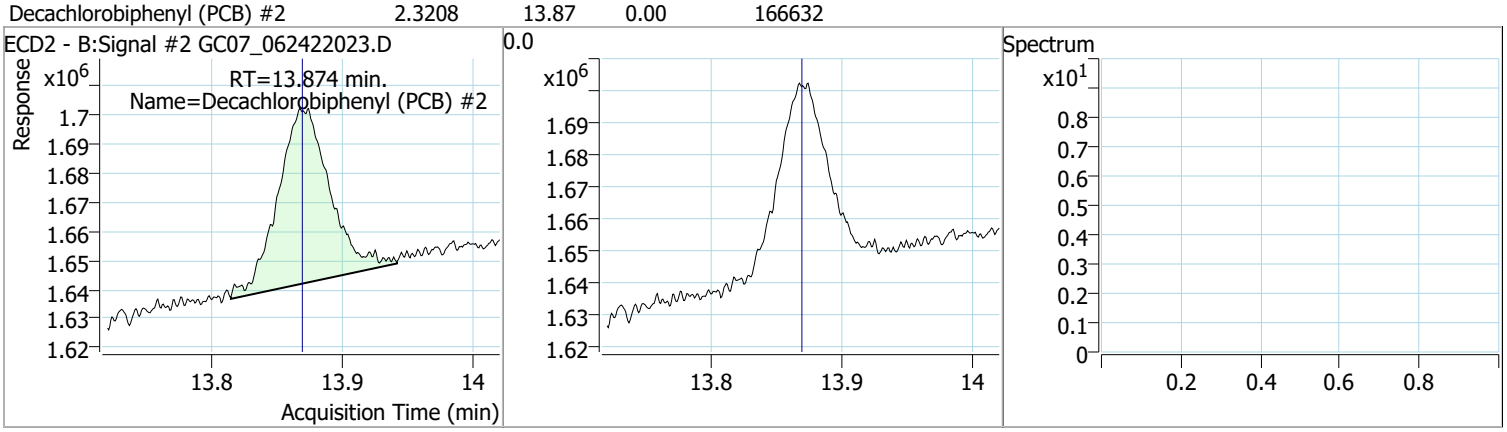
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	52.0391	12.19	0.00	211880				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	2.2415	12.52	0.00	553575				

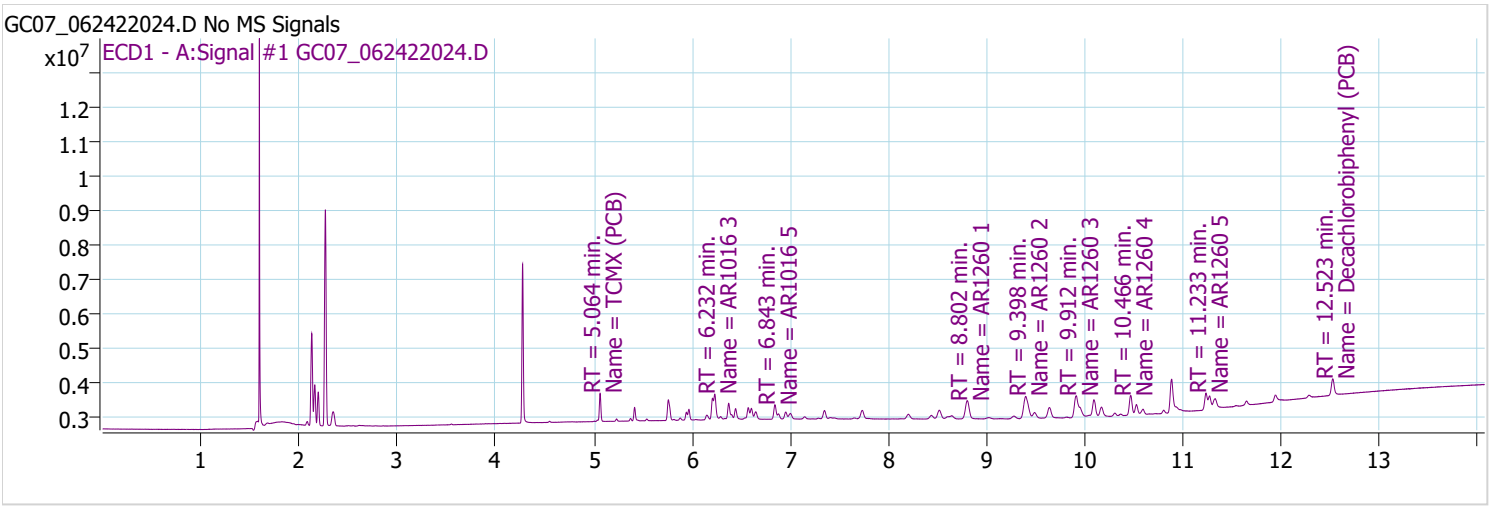


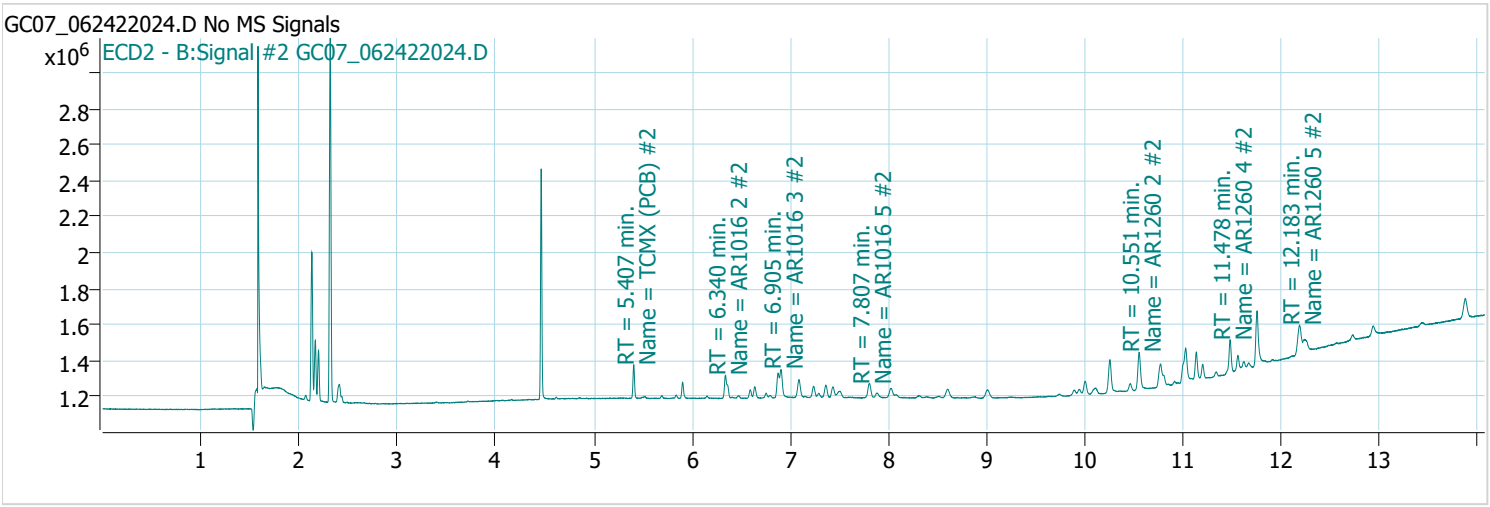
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	2.3208	13.87	0.00	166632				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422024.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 1:14:39 AM
Sample Name	ICAL, S16726, 20	Instrument	SVOA-GC07
Vial	13	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	100 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



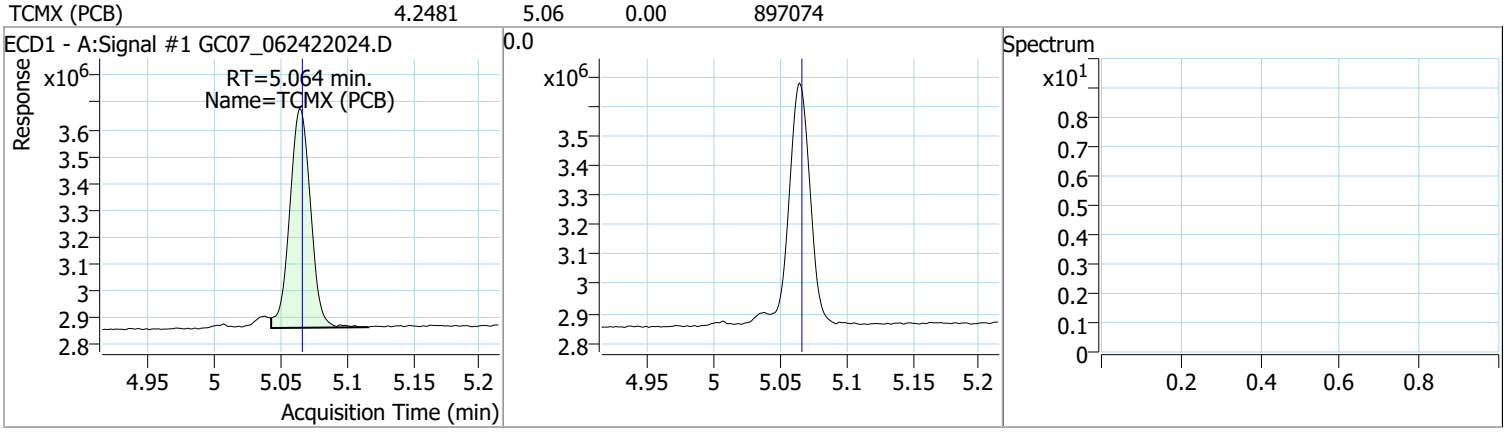


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.276	0.0	4477306.180	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.465	0.0	1187910.331	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.064	0.0	897074.472	4.2481	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 21.24%		*	
S TCMX (PCB) #2	5.407	0.0	207842.683	3.8553	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 19.28%		*	
S Decachlorobiphenyl (PCB)	12.523	0.0	1020372.834	4.0797	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.40%		*	
S Decachlorobiphenyl (PCB) #2	13.872	0.0	283373.502	3.8740	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 19.37%		*	
Target Compounds							**QValue**
T AR1016 1	5.416	0.0	447483.970	104.1784	ng/ml	m	100

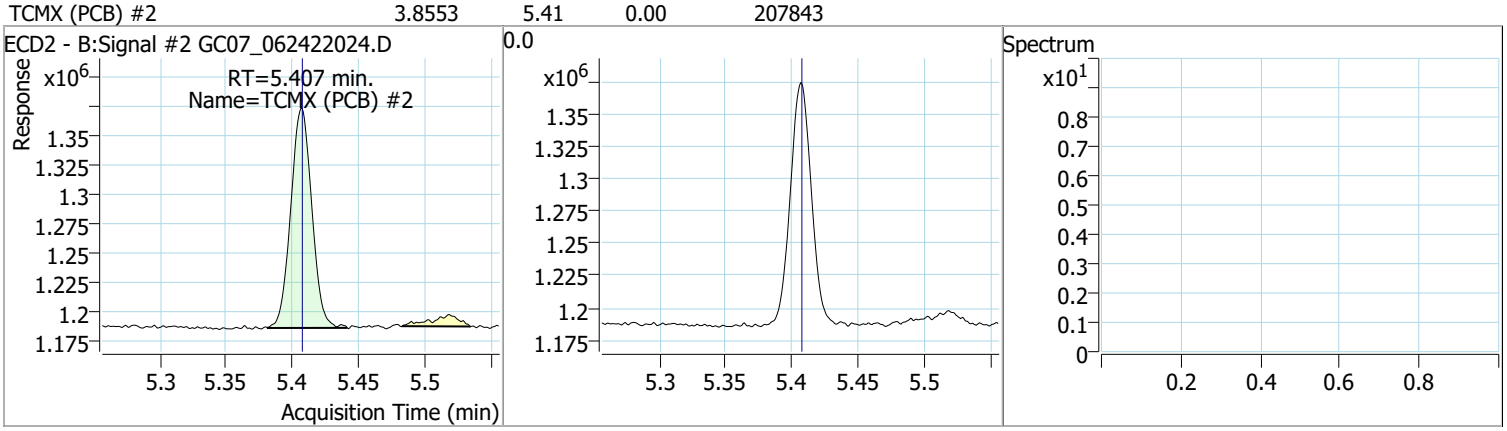
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.759	0.0	1039822.120	111.6954	ng/ml		100
T AR1016 1 #2	5.904	0.0	121966.911	101.9547	ng/ml		100
T AR1016 3	6.232	0.0	1159159.631	107.5266	ng/ml	m	100
T AR1016 2 #2	6.340	0.0	268047.434	102.8992	ng/ml		100
T AR1016 4	6.373	0.0	826298.381	106.5893	ng/ml	m	100
T AR1016 5	6.843	0.0	711331.722	110.1594	ng/ml		100
T AR1016 3 #2	6.905	0.0	297027.731	99.4047	ng/ml		100
T AR1016 4 #2	7.089	0.0	207364.114	99.9900	ng/ml		100
T AR1016 5 #2	7.807	0.0	174426.651	100.6866	ng/ml		100
T AR1260 1	8.802	0.0	1485443.579	108.9338	ng/ml		100
T AR1260 2	9.398	0.0	2110918.071	107.8380	ng/ml		100
T AR1260 3	9.912	0.0	2088066.579	105.2624	ng/ml		100
T AR1260 1 #2	10.254	0.0	386725.864	102.7941	ng/ml		100
T AR1260 4	10.466	0.0	1085118.256	107.0060	ng/ml		100
T AR1260 2 #2	10.551	0.0	429919.183	102.8573	ng/ml		100
T AR1260 3 #2	11.025	0.0	494668.368	96.1515	ng/ml		100
T AR1260 5	11.233	0.0	915842.814	98.3710	ng/ml		100
T AR1260 4 #2	11.478	0.0	281667.470	97.5818	ng/ml		100
T AR1260 5 #2	12.183	0.0	402682.110	97.0795	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

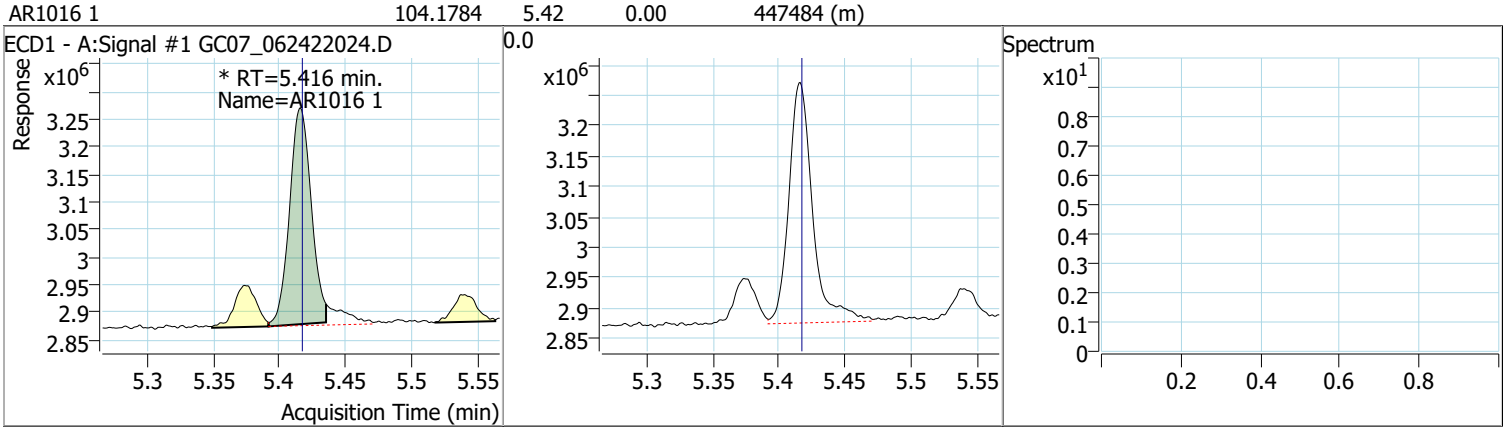
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	4.2481	5.06	0.00	897074				



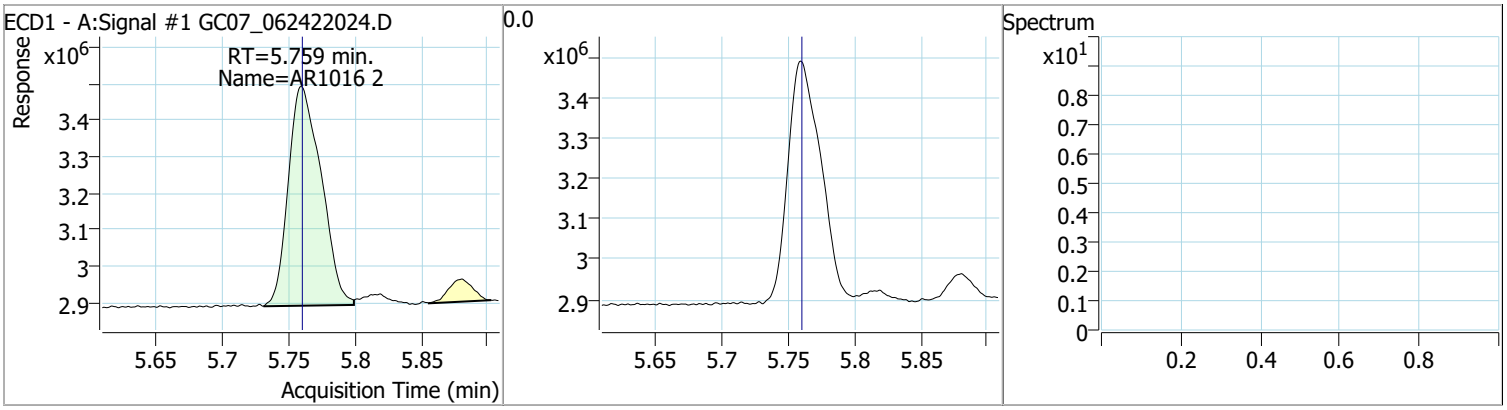
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	3.8553	5.41	0.00	207843				



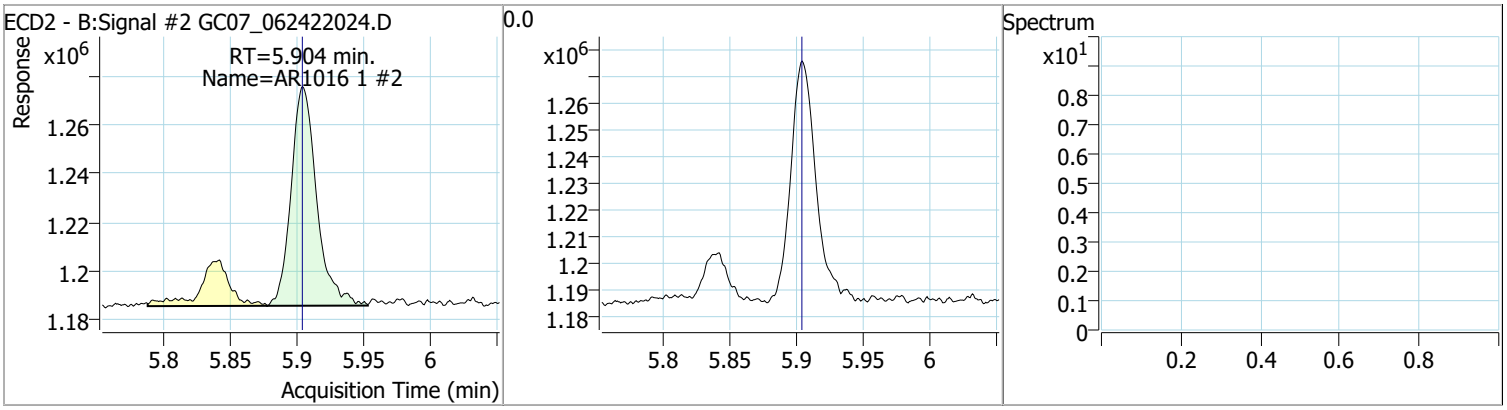
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	104.1784	5.42	0.00	447484 (m)				



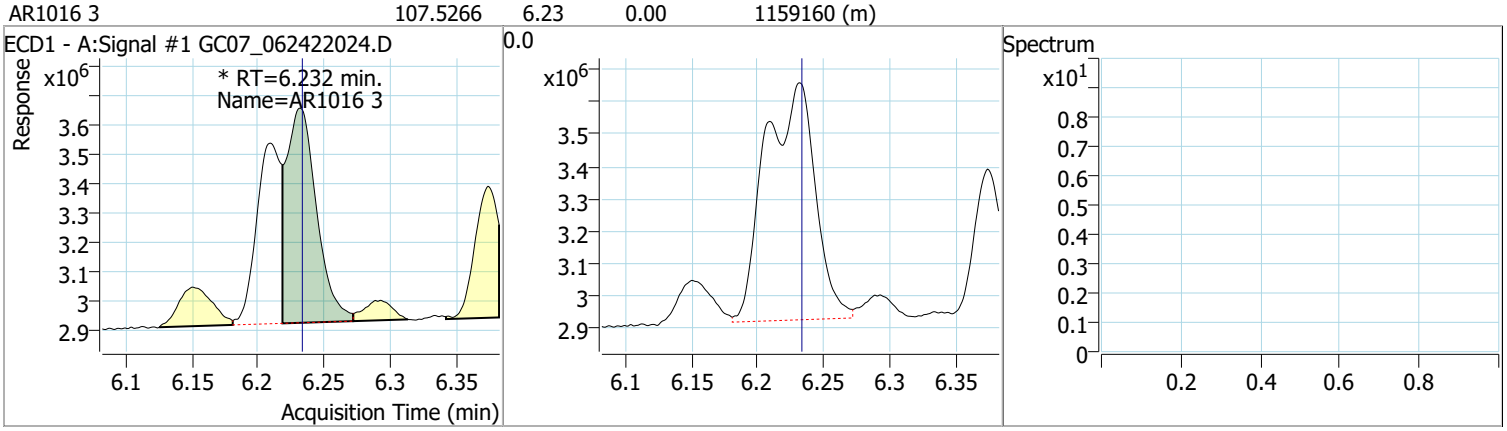
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	111.6954	5.76	0.00	1039822				



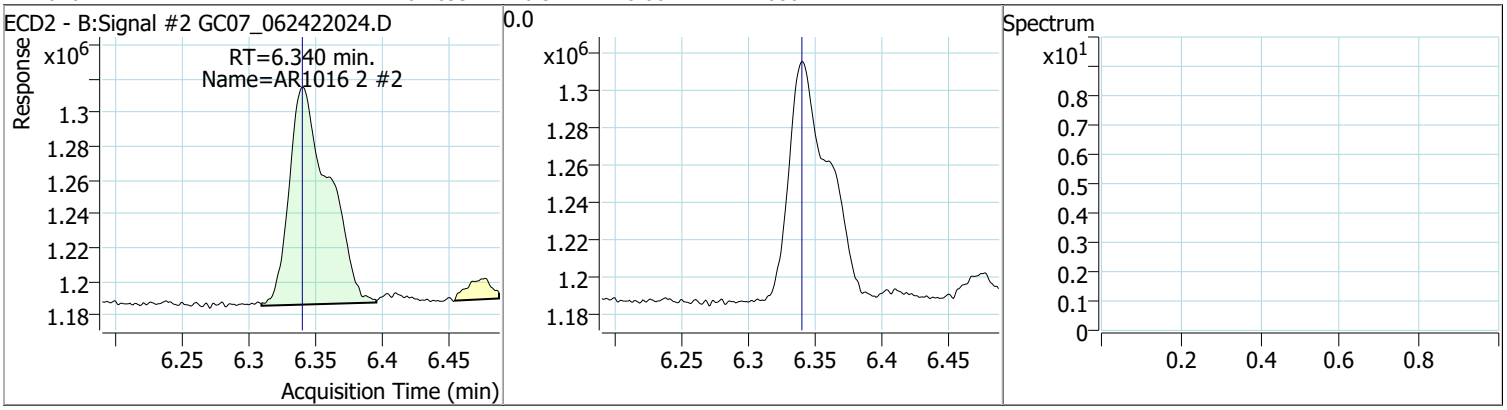
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	101.9547	5.90	0.00	121967				



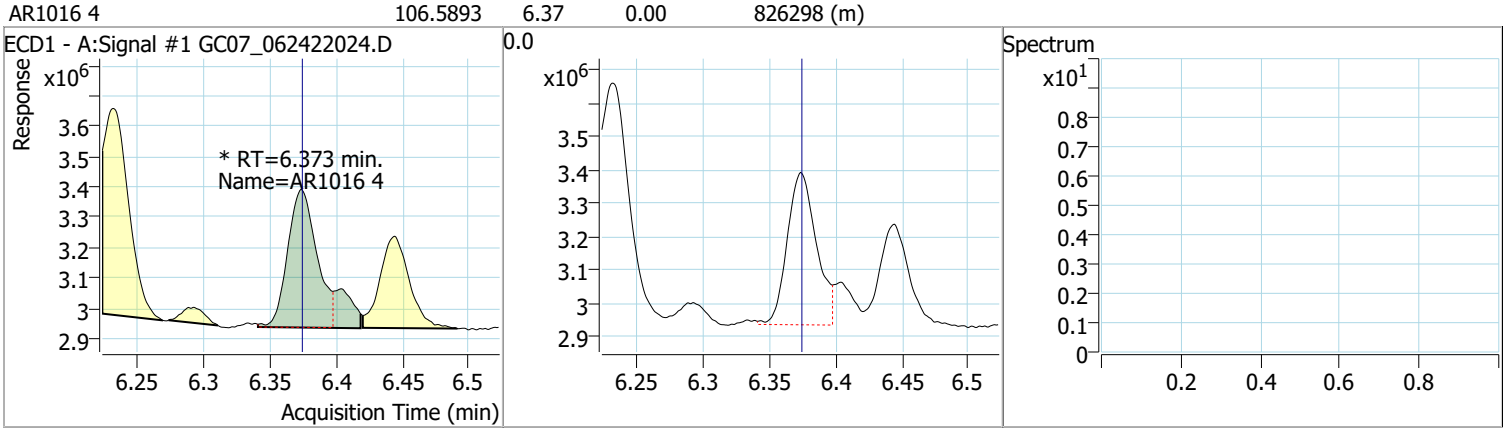
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	107.5266	6.23	0.00	1159160 (m)				



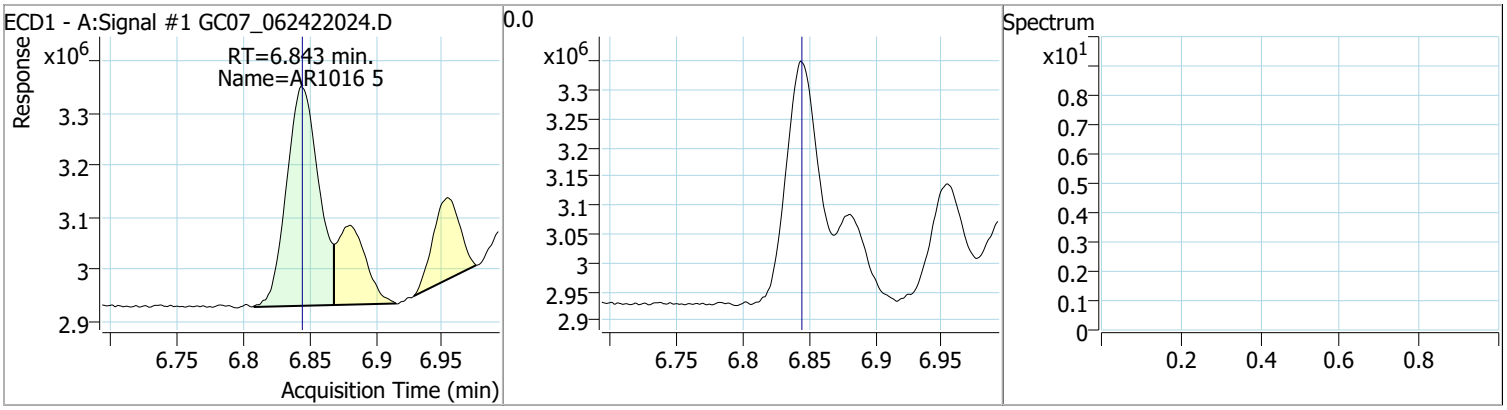
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	102.8992	6.34	0.00	268047				



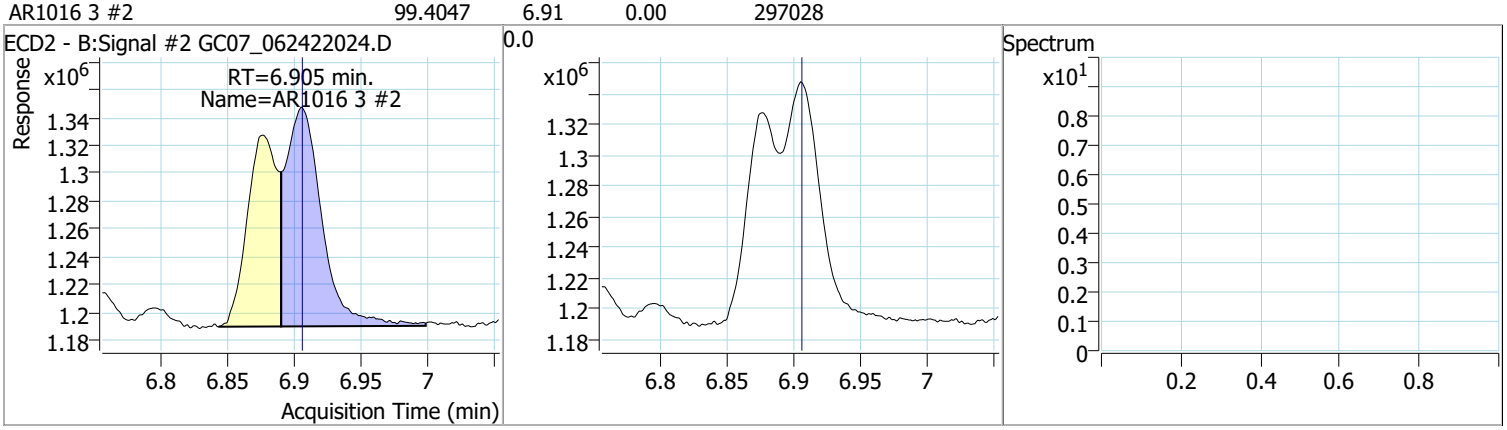
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	106.5893	6.37	0.00	826298 (m)				



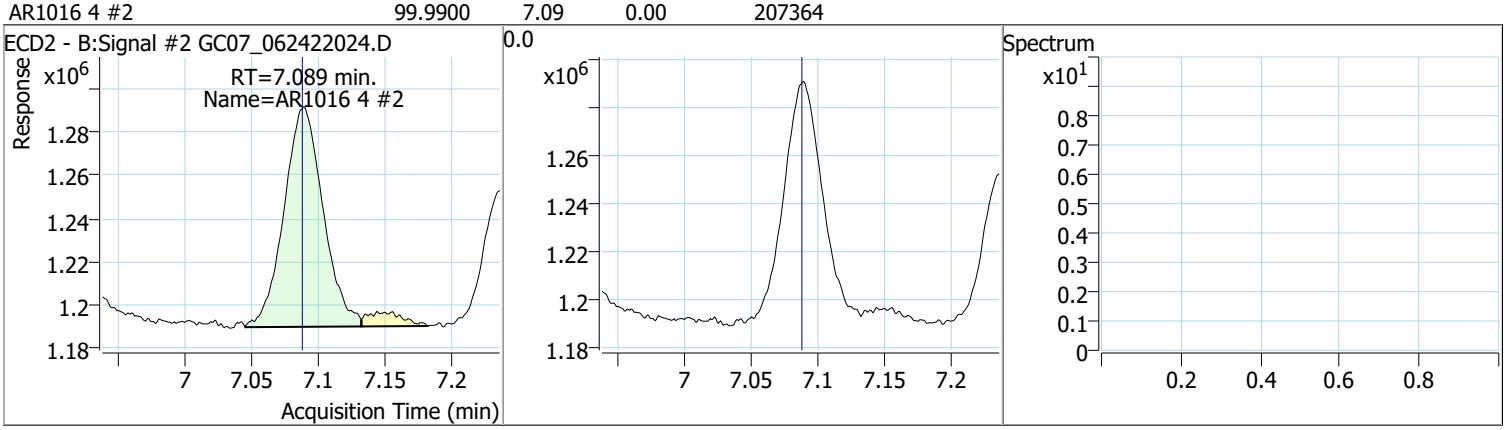
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	110.1594	6.84	0.00	711332				



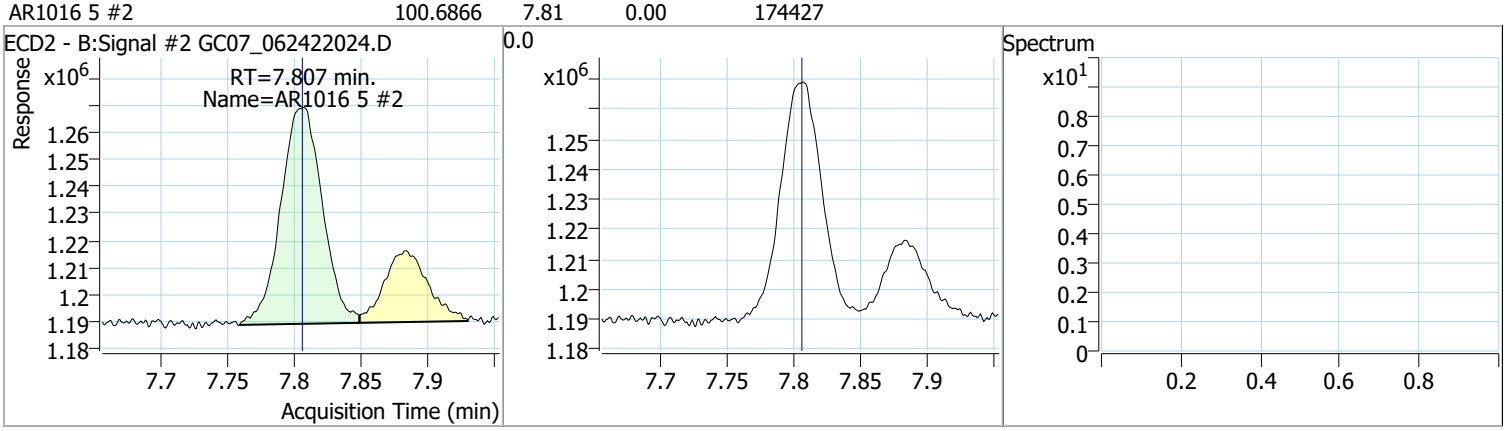
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	99.4047	6.91	0.00	297028				



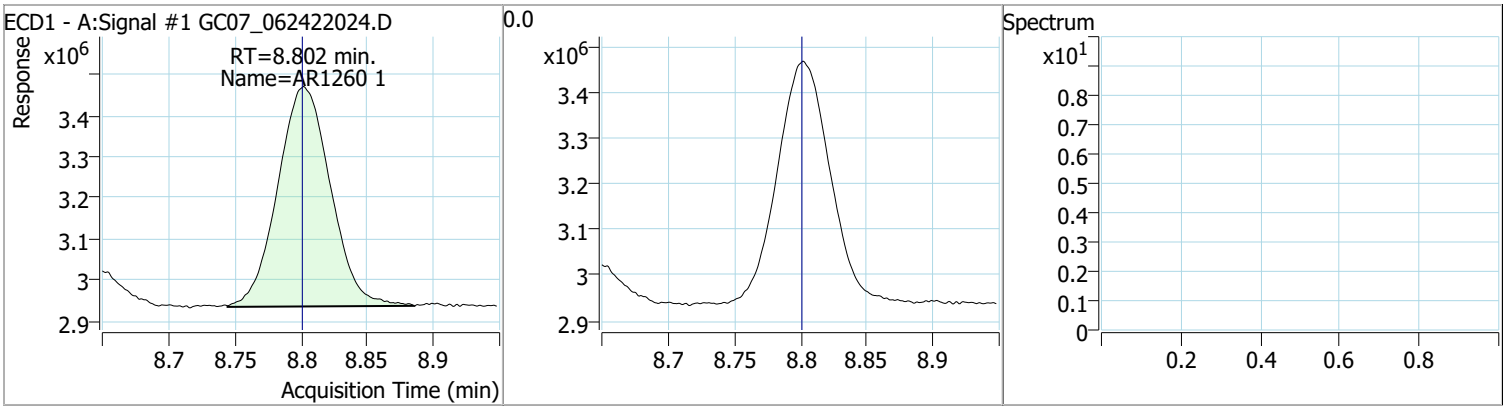
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	99.9900	7.09	0.00	207364				



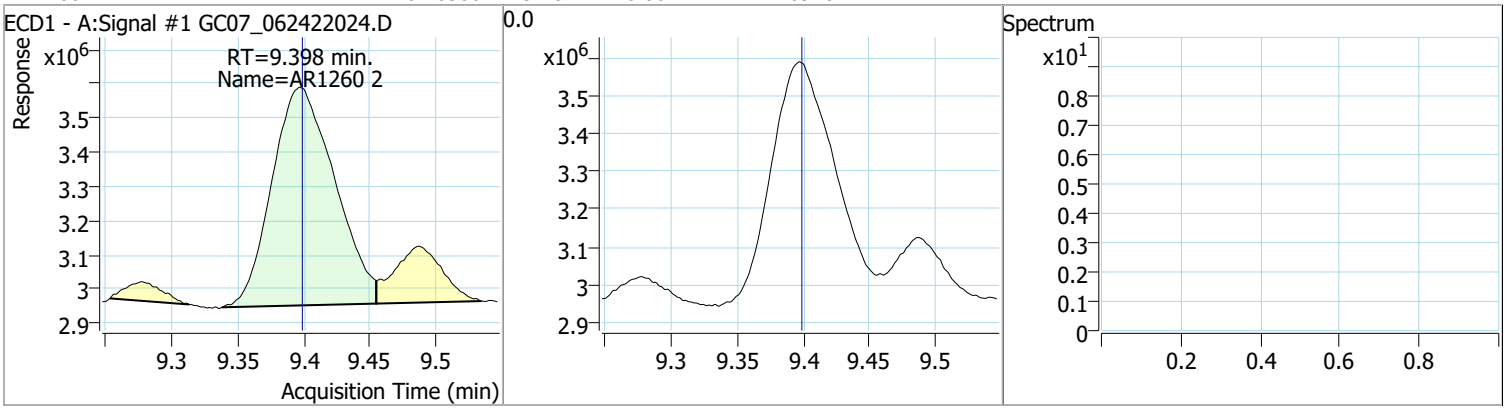
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	100.6866	7.81	0.00	174427				



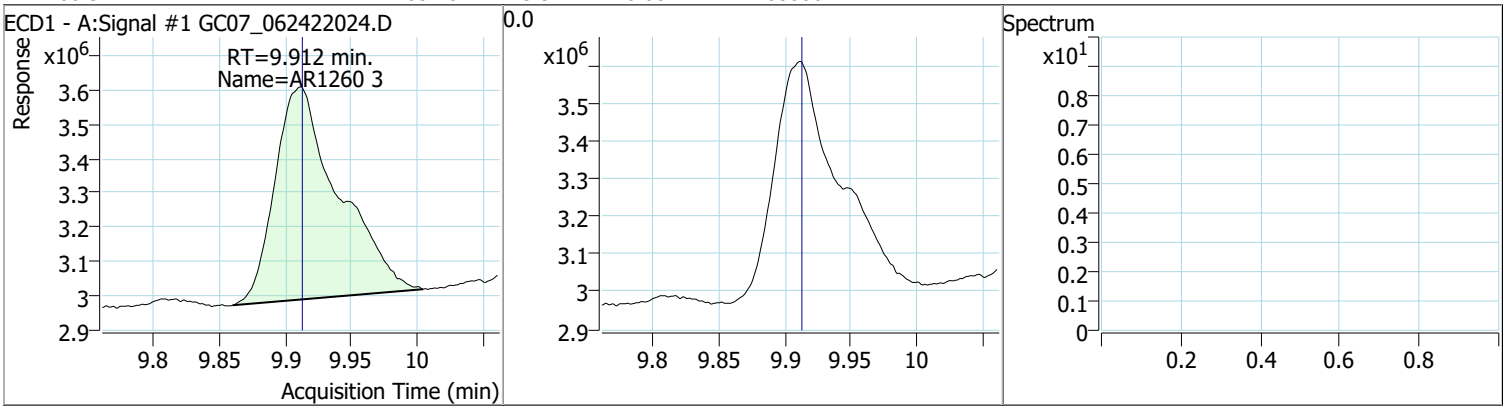
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	108.9338	8.80	0.00	1485444				



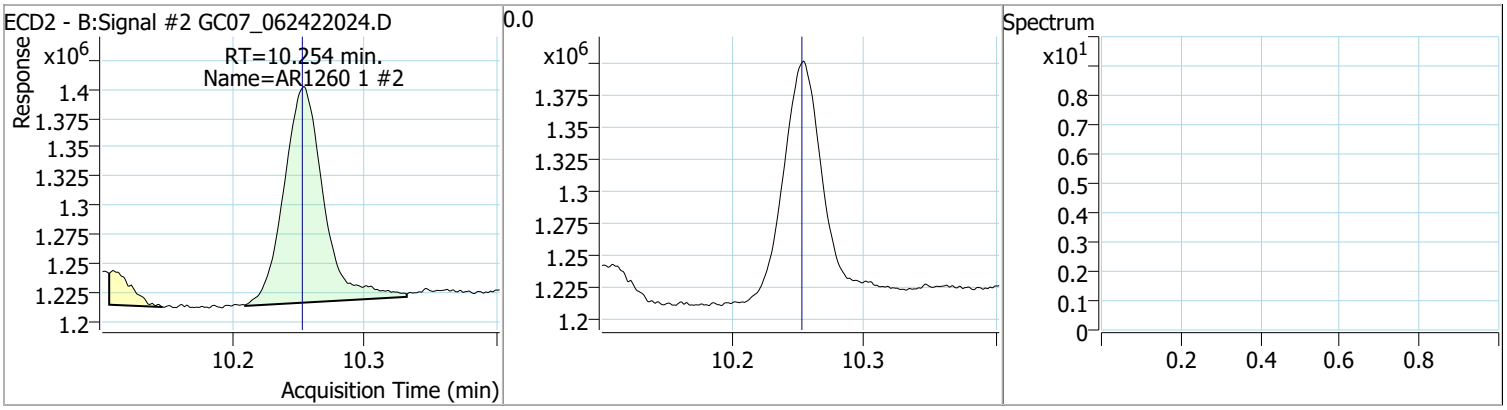
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	107.8380	9.40	0.00	2110918				



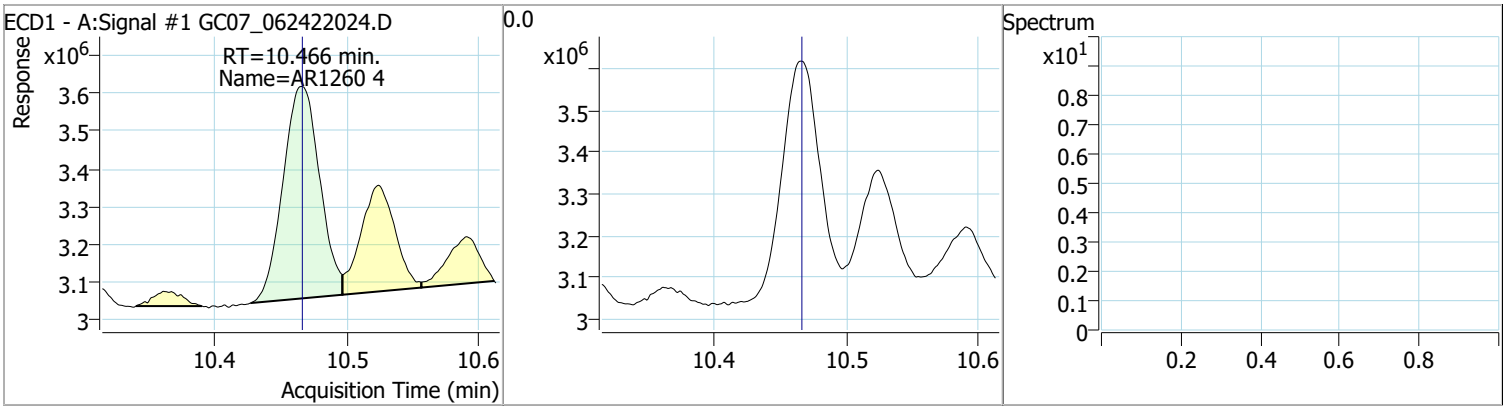
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	105.2624	9.91	0.00	2088067				



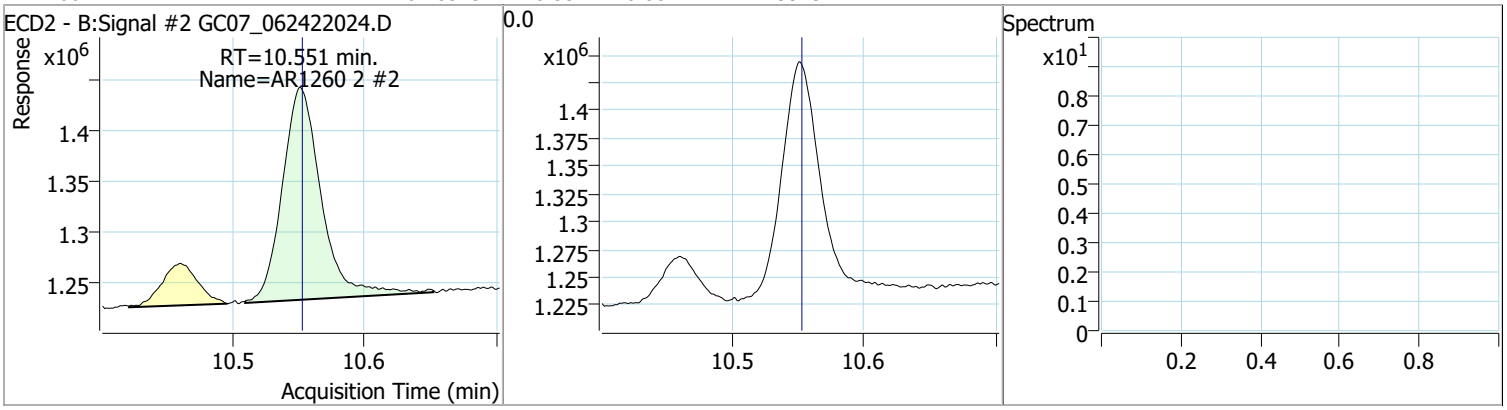
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	102.7941	10.25	0.00	386726				



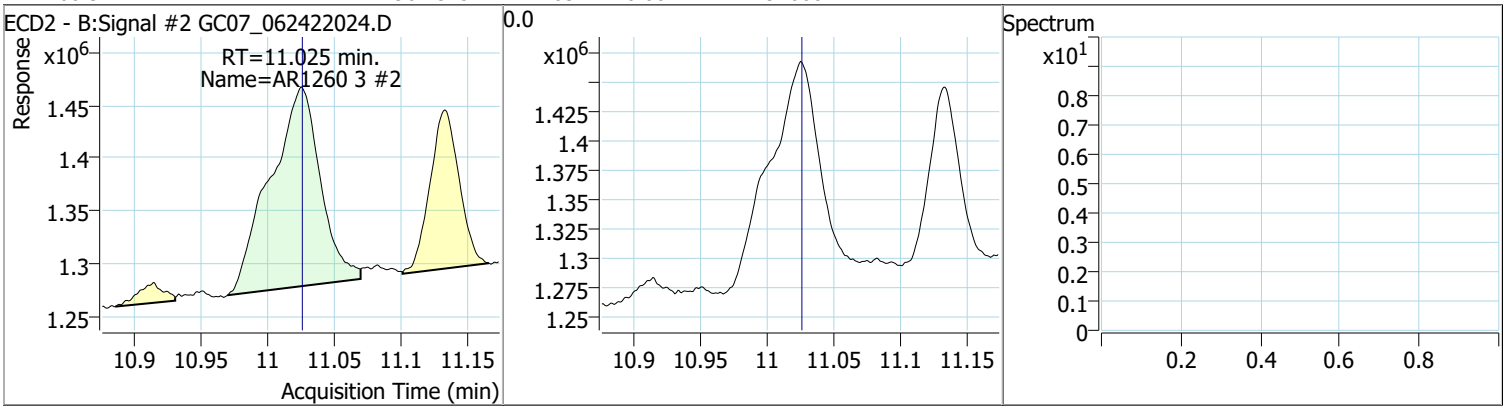
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	107.0060	10.47	0.00	1085118				



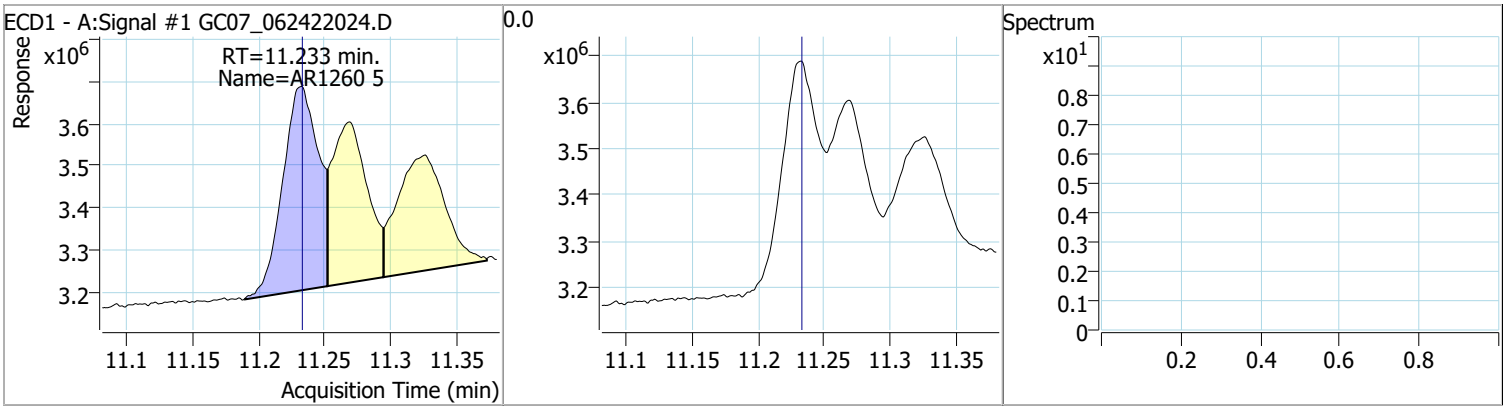
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	102.8573	10.55	0.00	429919				



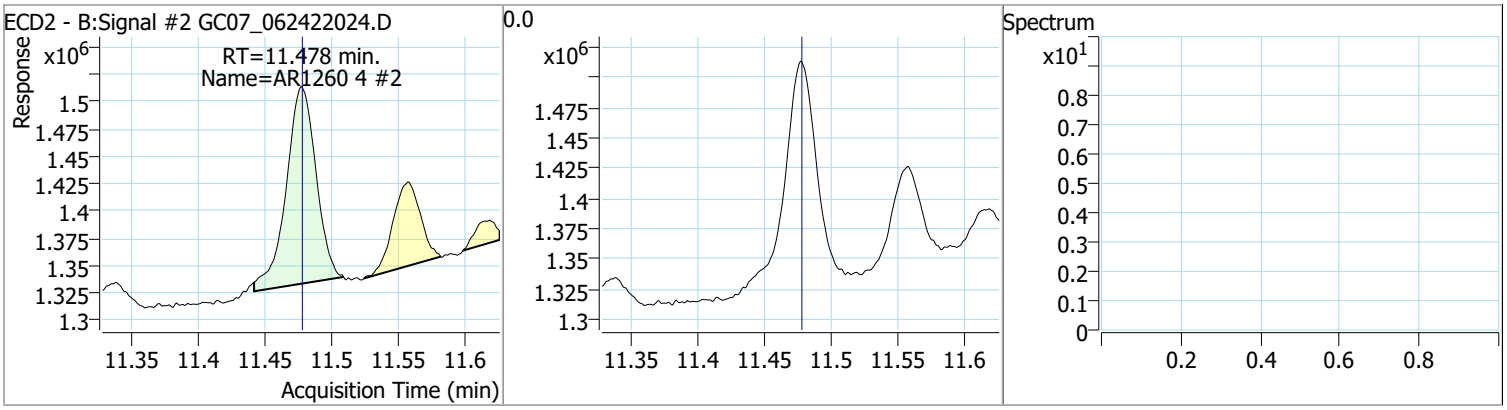
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	96.1515	11.03	0.00	494668				



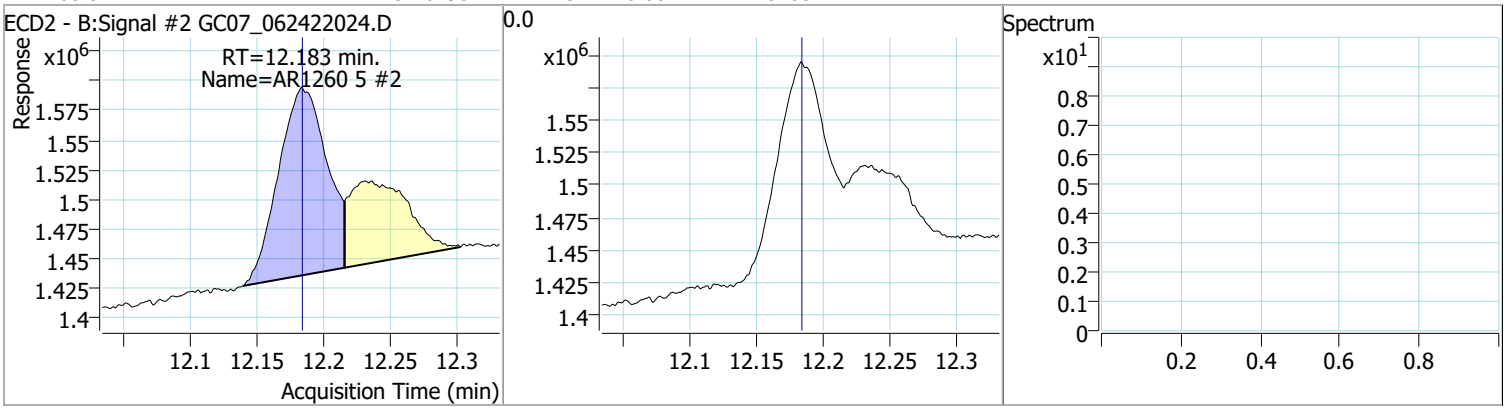
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	98.3710	11.23	0.00	915843				



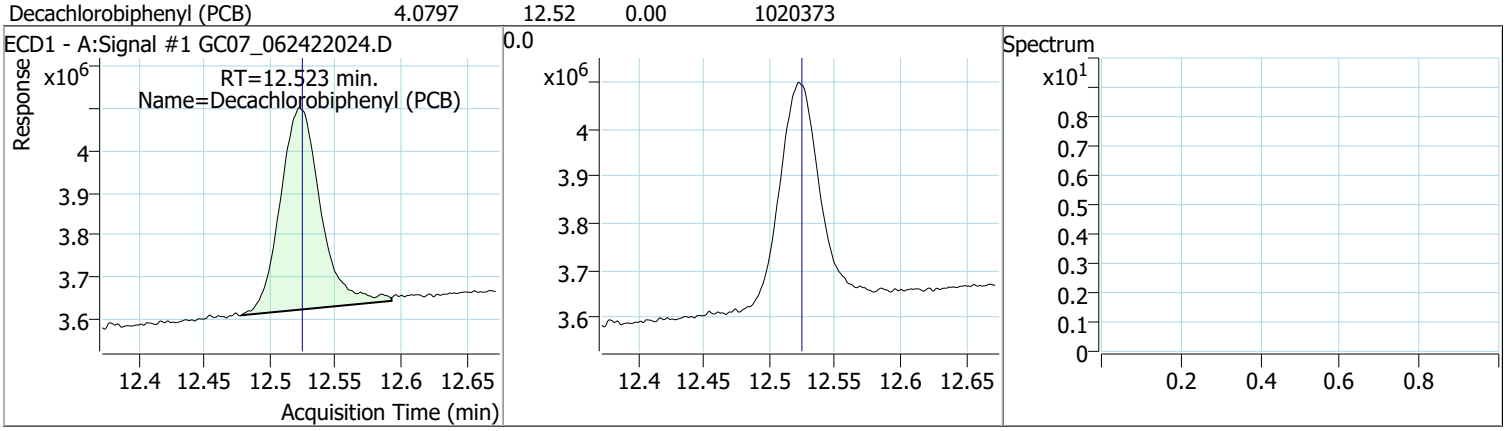
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	97.5818	11.48	0.00	281667				



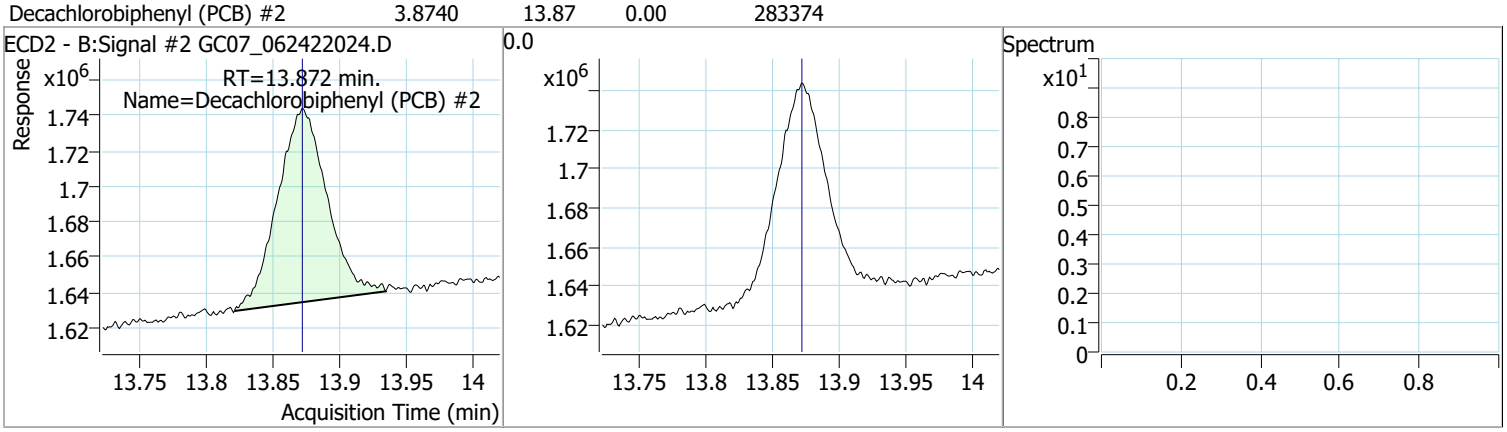
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	97.0795	12.18	0.00	402682				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	4.0797	12.52	0.00	1020373				

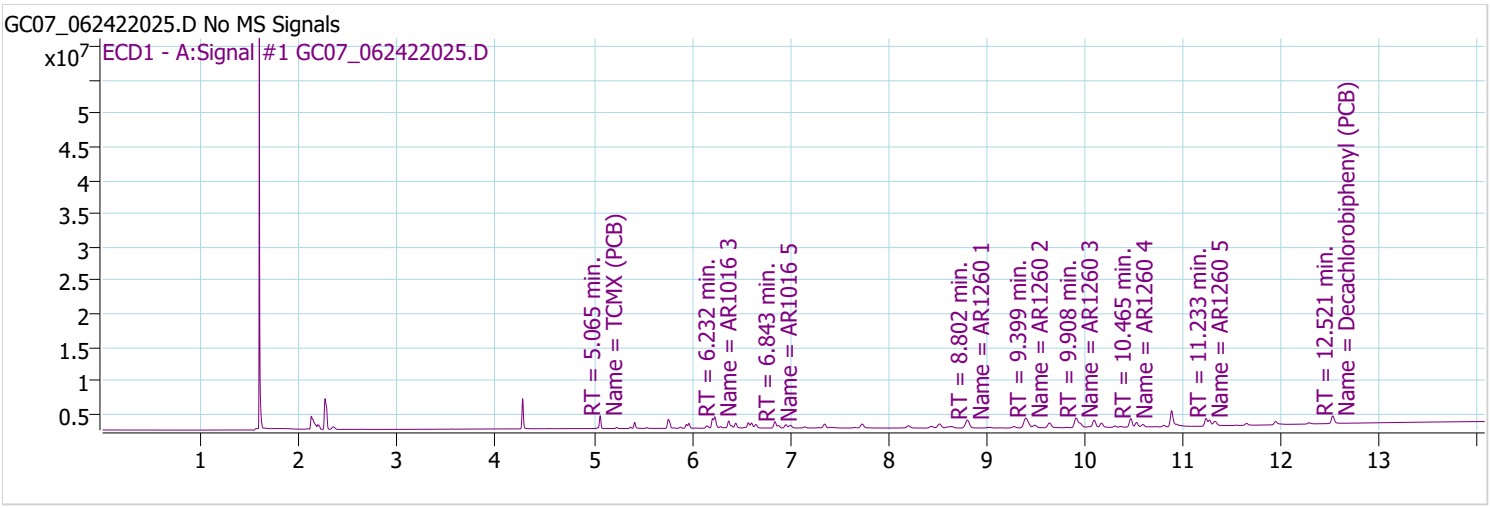


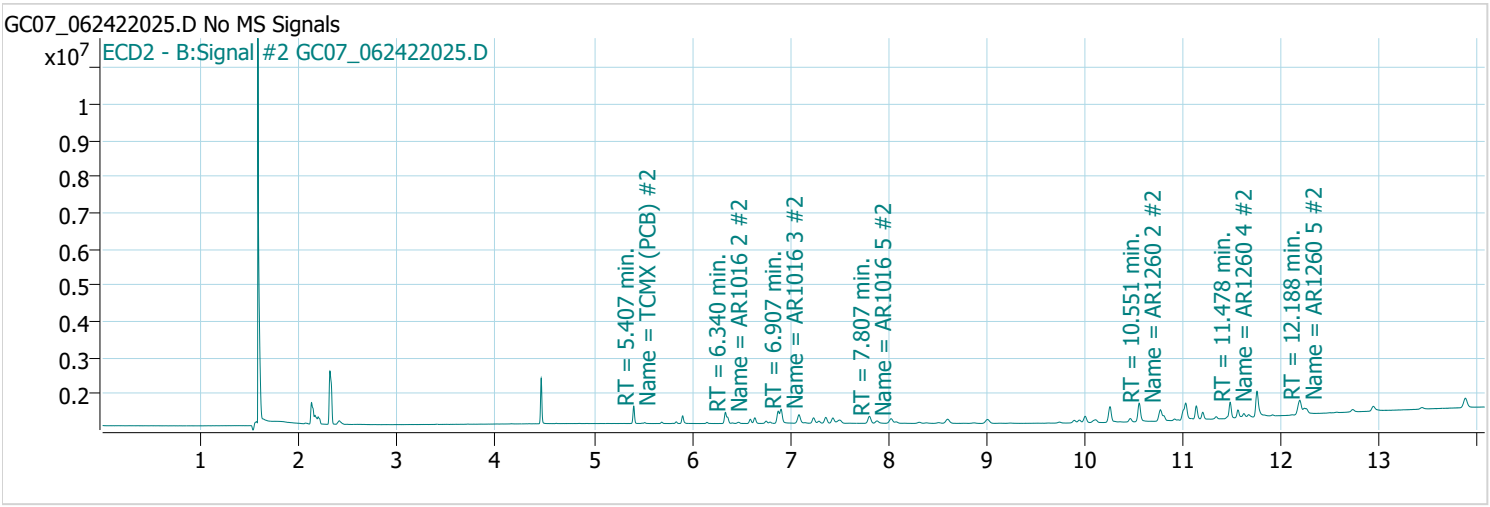
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	3.8740	13.87	0.00	283374				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422025.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 1:32:08 AM
Sample Name	ICAL, S16726, 8	Instrument	SVOA-GC07
Vial	14	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	250 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



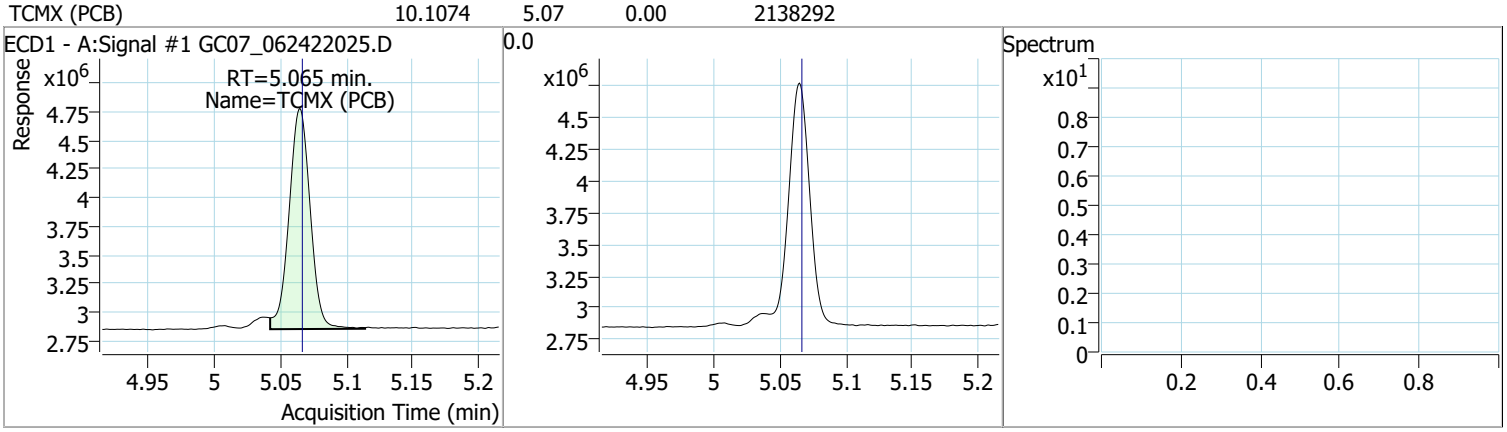


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.277	0.0	4485448.975	20.0000	ng/ml		0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.465	0.0	1179526.258	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.065	0.0	2138291.874	10.1074	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 50.54%			
S TCMX (PCB) #2	5.407	0.0	523555.279	9.7806	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 48.90%		*	
S Decachlorobiphenyl (PCB)	12.521	0.0	2447732.203	9.7689	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 48.84%		*	
S Decachlorobiphenyl (PCB) #2	13.872	0.0	698876.563	9.6222	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 48.11%		*	
Target Compounds							QValue
T AR1016 1	5.416	0.0	1078573.648	250.6460	ng/ml	m	100

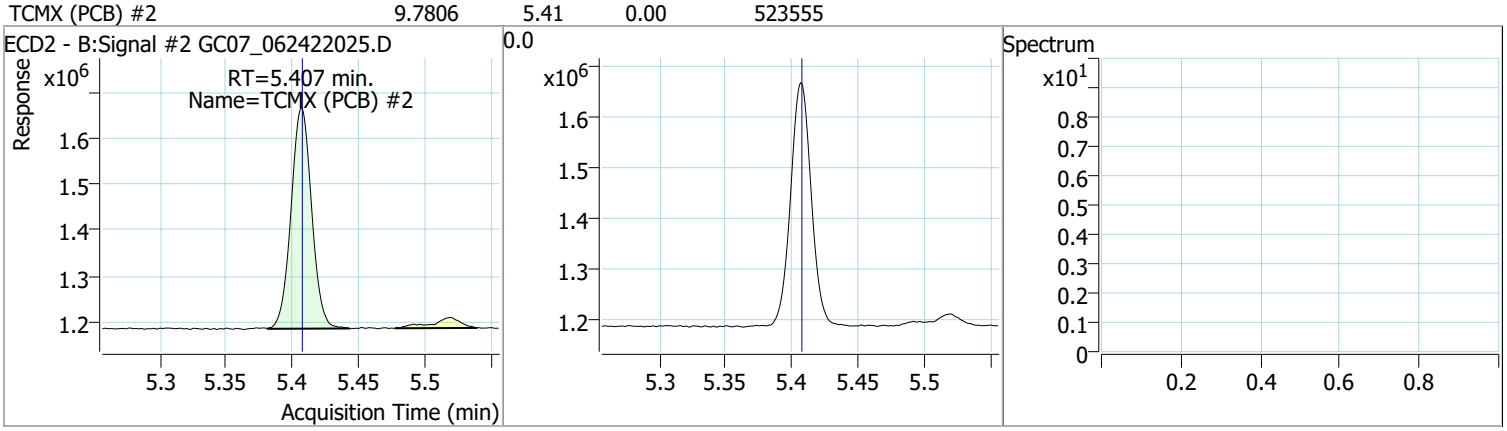
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.760	0.0	2410450.217	258.4552	ng/ml		100
T AR1016 1 #2	5.905	0.0	296542.047	249.6478	ng/ml		100
T AR1016 3	6.232	0.0	2621527.878	242.7381	ng/ml	m	100
T AR1016 2 #2	6.340	0.0	635021.073	245.5073	ng/ml		100
T AR1016 4	6.373	0.0	1952430.462	251.3988	ng/ml	m	100
T AR1016 5	6.843	0.0	1641918.732	253.8119	ng/ml		100
T AR1016 3 #2	6.907	0.0	705048.685	237.6321	ng/ml		100
T AR1016 4 #2	7.088	0.0	492036.073	238.9440	ng/ml		100
T AR1016 5 #2	7.807	0.0	413979.450	240.6654	ng/ml		100
T AR1260 1	8.802	0.0	3436520.896	251.5569	ng/ml		100
T AR1260 2	9.399	0.0	4842298.053	246.9236	ng/ml		100
T AR1260 3	9.908	0.0	4833210.812	243.2066	ng/ml		100
T AR1260 1 #2	10.254	0.0	909894.476	243.5747	ng/ml		100
T AR1260 4	10.465	0.0	2495136.099	245.6043	ng/ml		100
T AR1260 2 #2	10.551	0.0	1029646.159	248.0916	ng/ml		100
T AR1260 3 #2	11.025	0.0	1246365.279	243.9850	ng/ml		100
T AR1260 5	11.233	0.0	2109055.304	226.1231	ng/ml		100
T AR1260 4 #2	11.478	0.0	689677.964	240.6325	ng/ml		100
T AR1260 5 #2	12.188	0.0	976159.900	237.0076	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

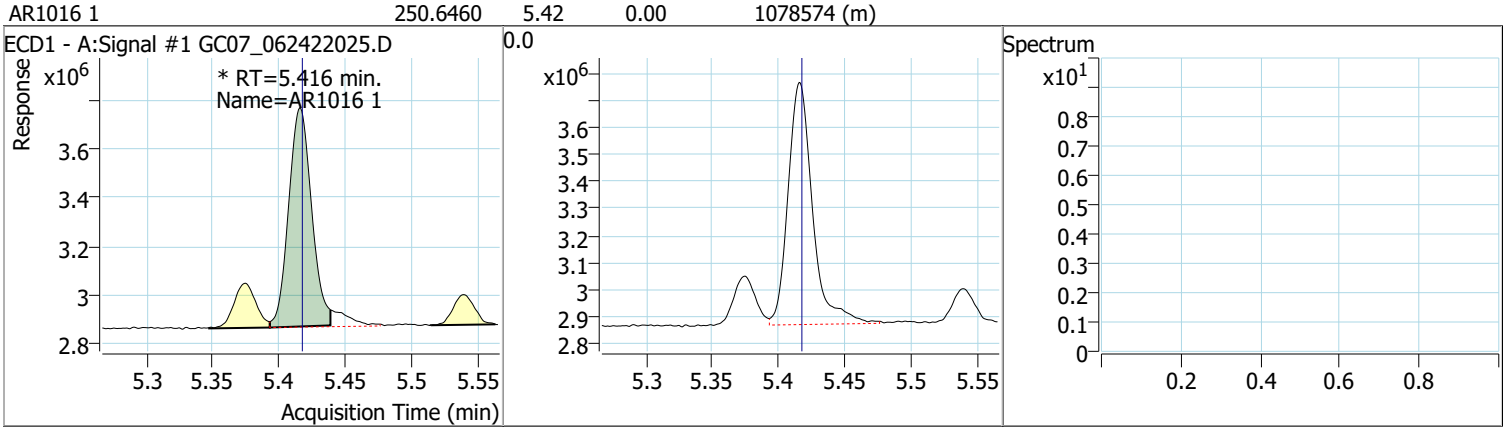
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	10.1074	5.07	0.00	2138292				



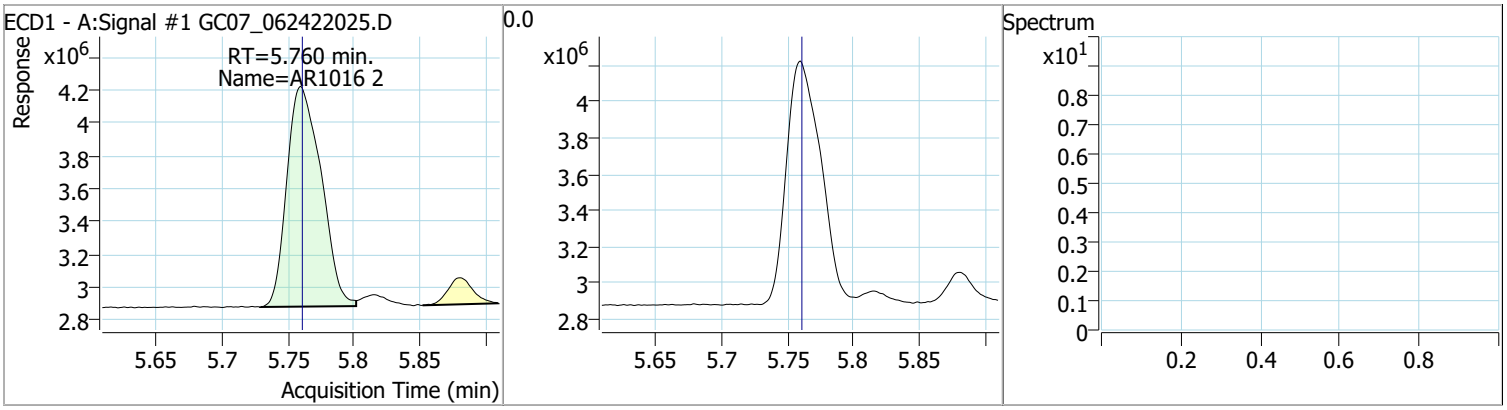
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	9.7806	5.41	0.00	523555				



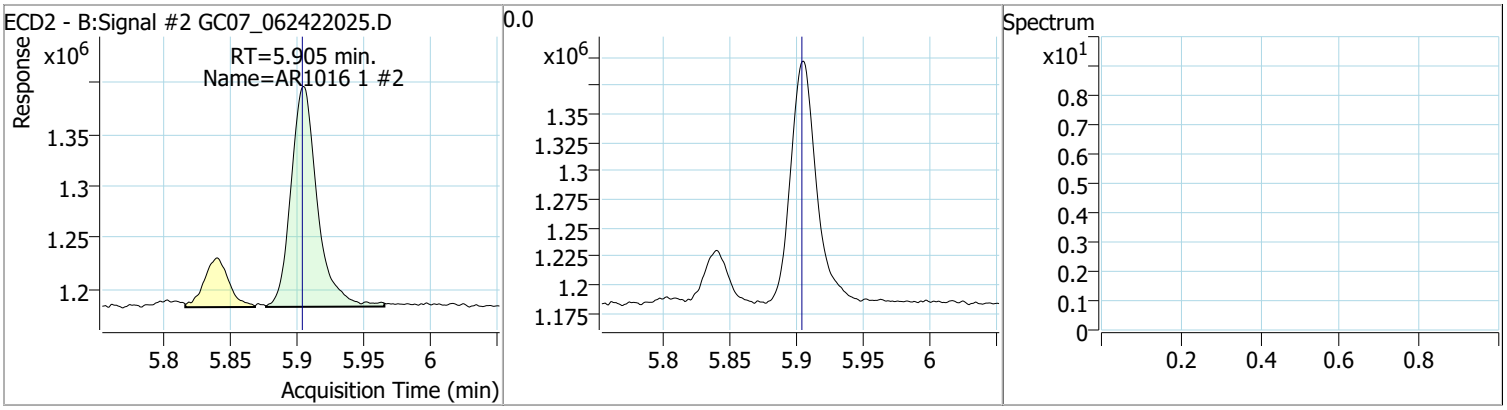
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	250.6460	5.42	0.00	1078574 (m)				



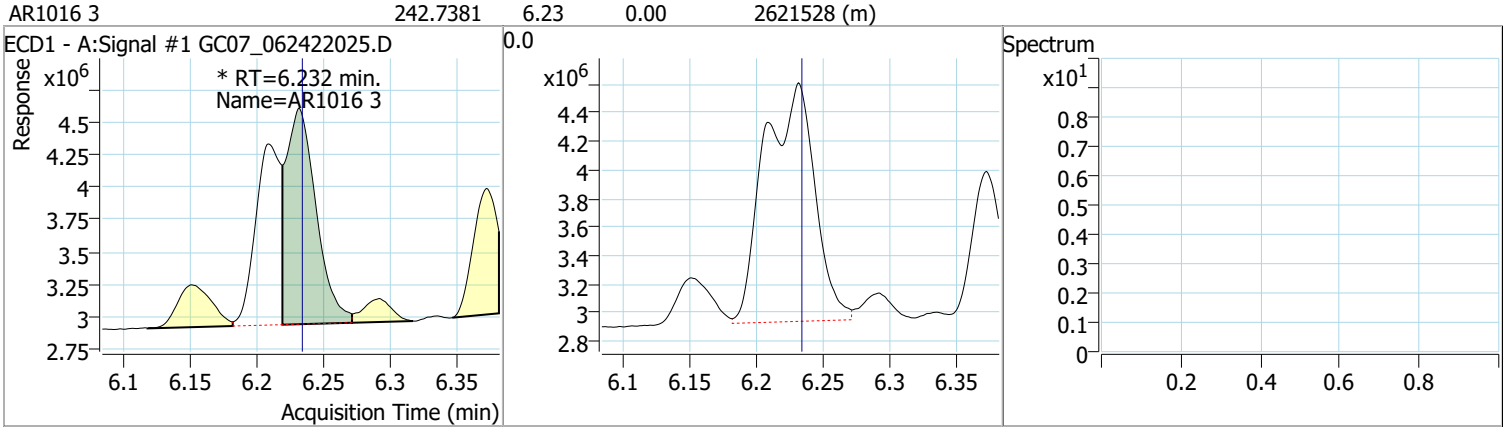
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	258.4552	5.76	0.00	2410450				



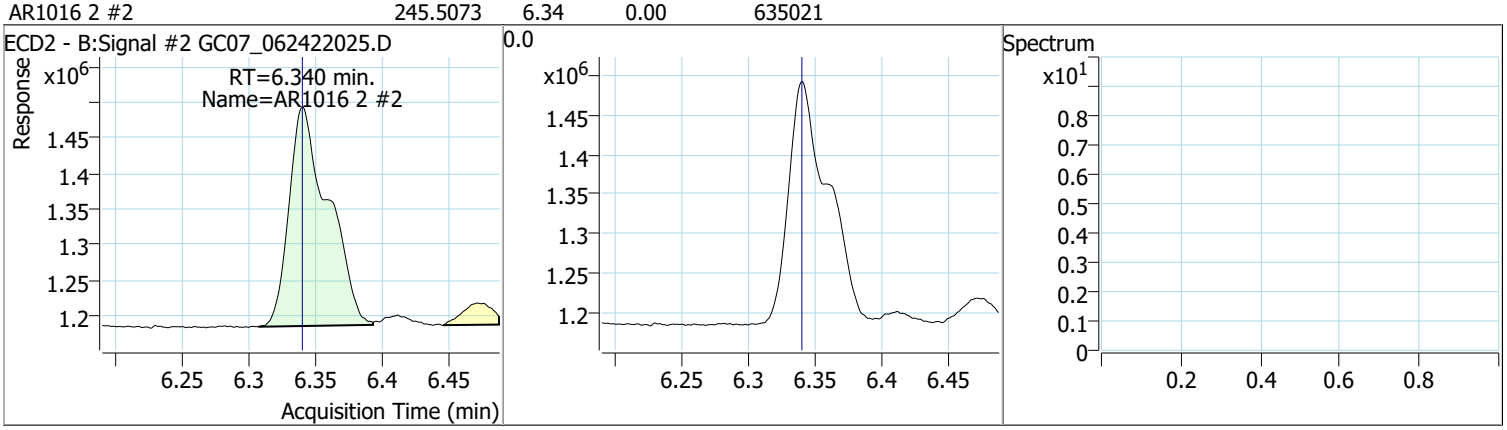
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	249.6478	5.91	0.00	296542				



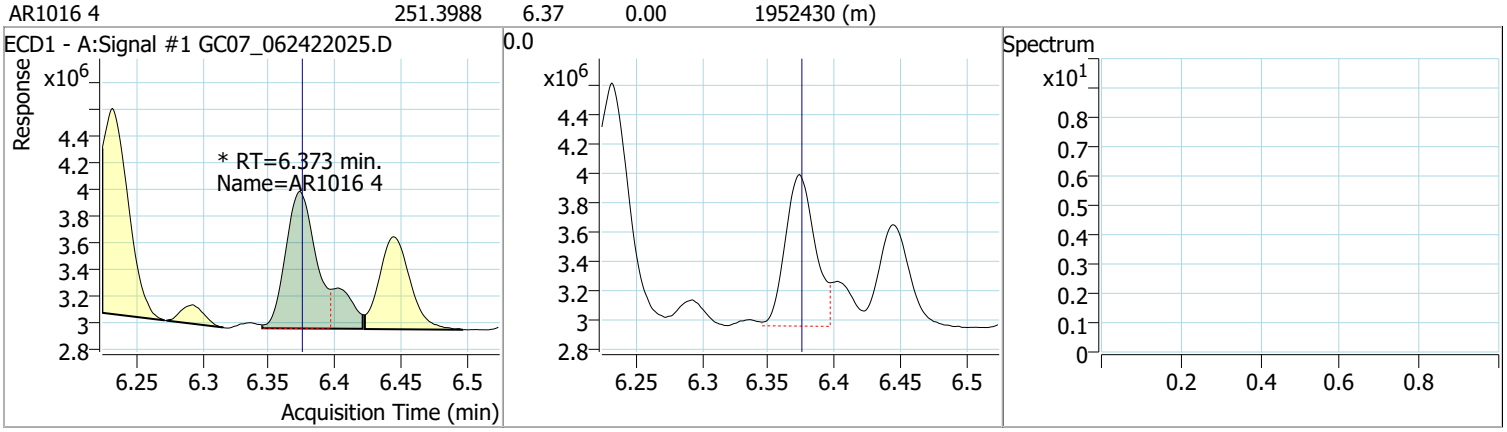
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	242.7381	6.23	0.00	2621528 (m)				



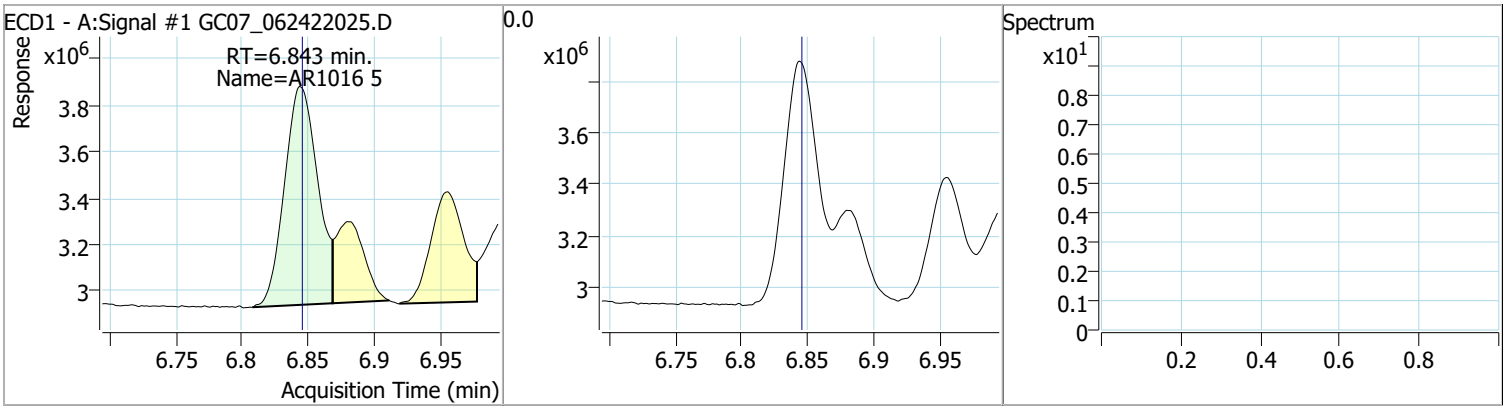
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	245.5073	6.34	0.00	635021				



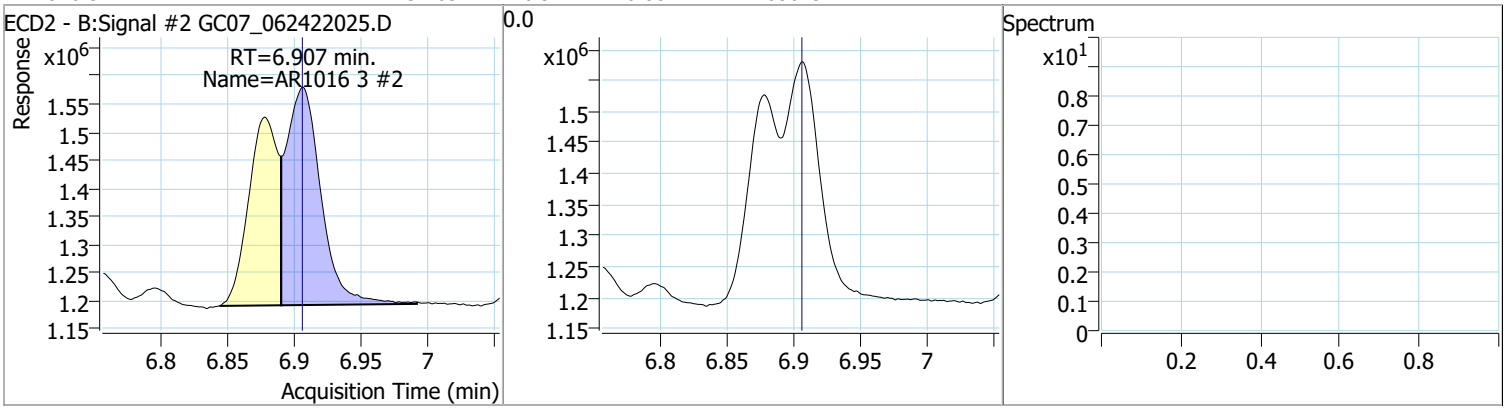
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	251.3988	6.37	0.00	1952430 (m)				



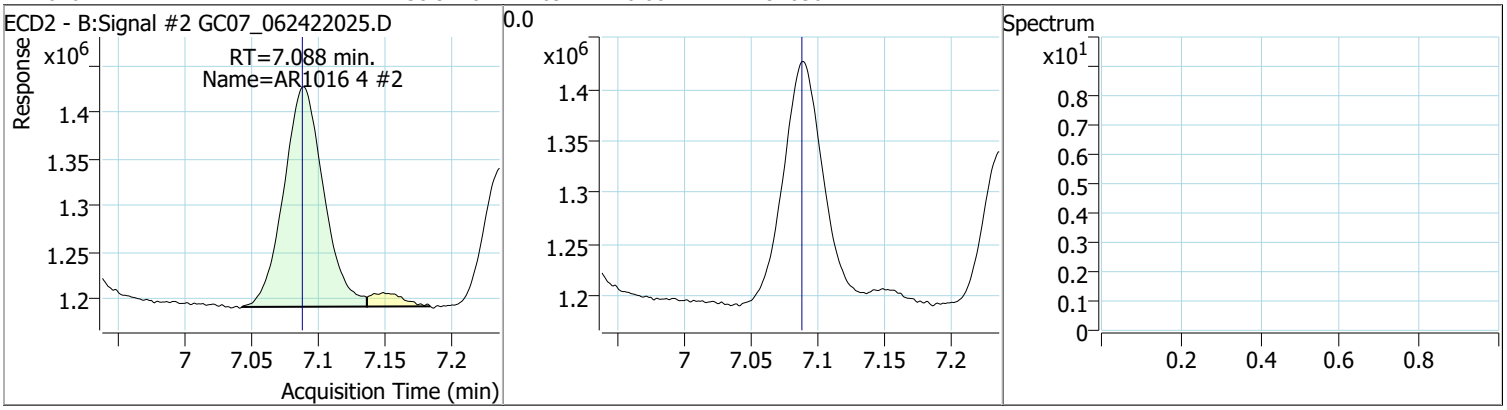
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	253.8119	6.84	0.00	1641919				



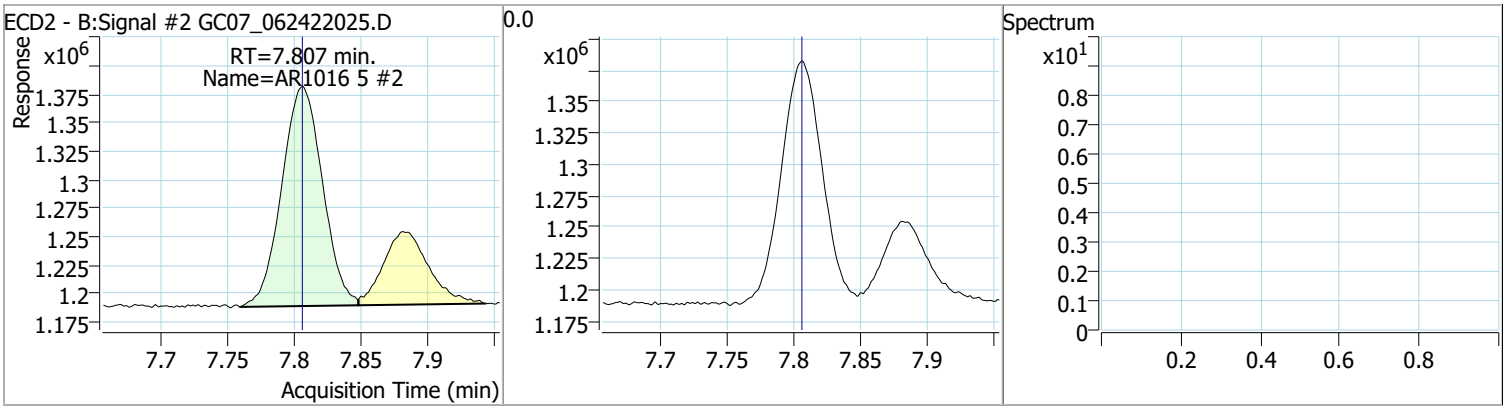
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	237.6321	6.91	0.00	705049				



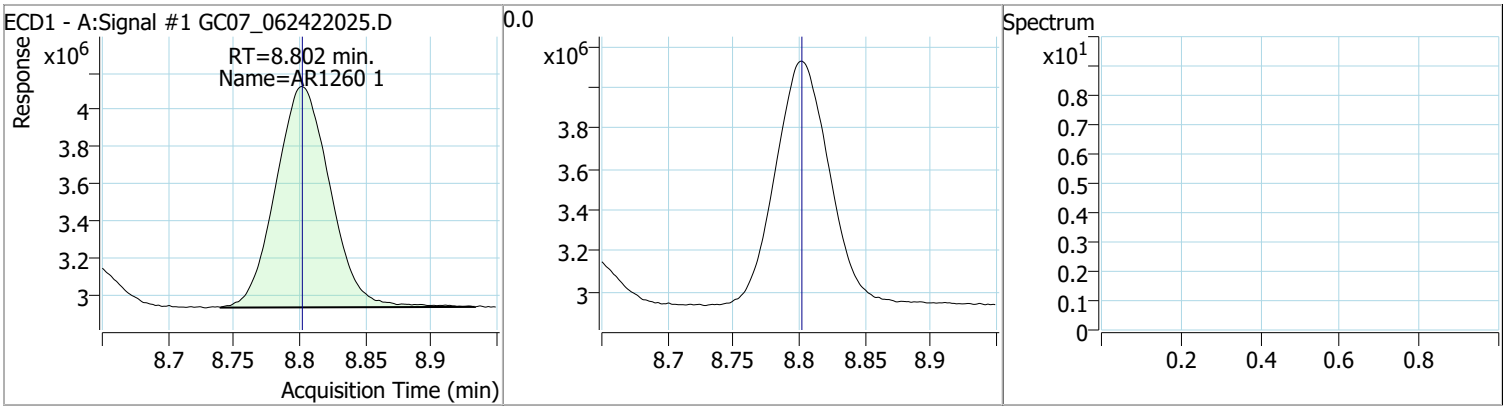
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	238.9440	7.09	0.00	492036				



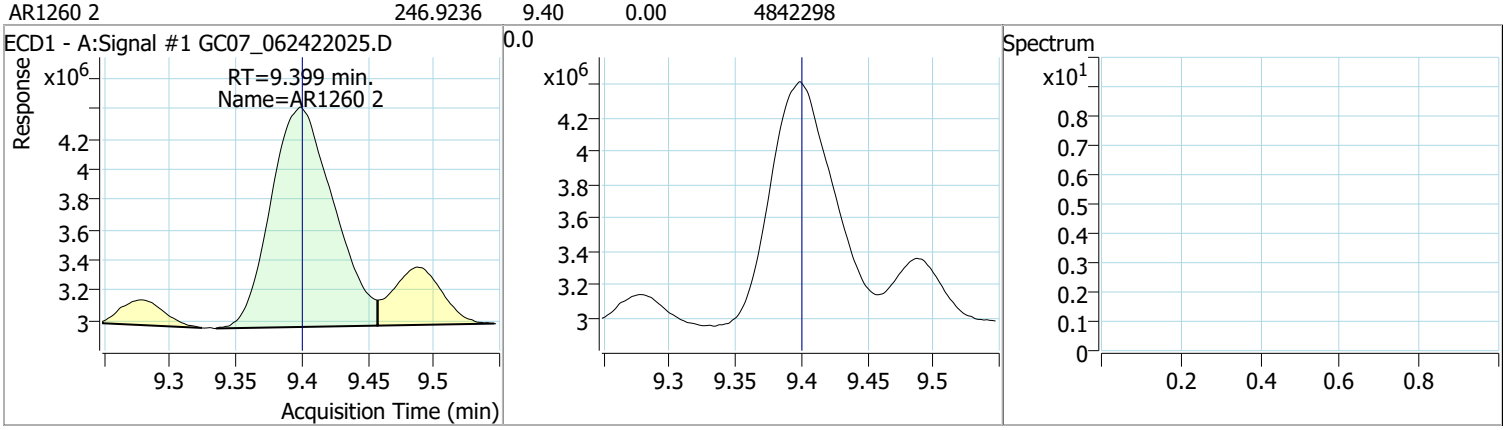
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	240.6654	7.81	0.00	413979				



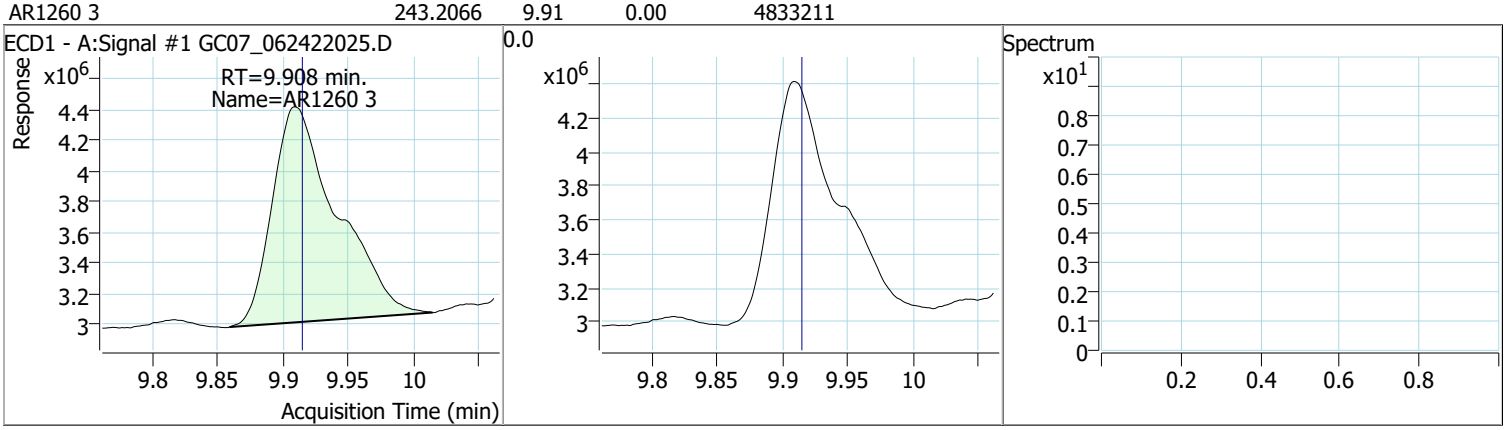
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	251.5569	8.80	0.00	3436521				



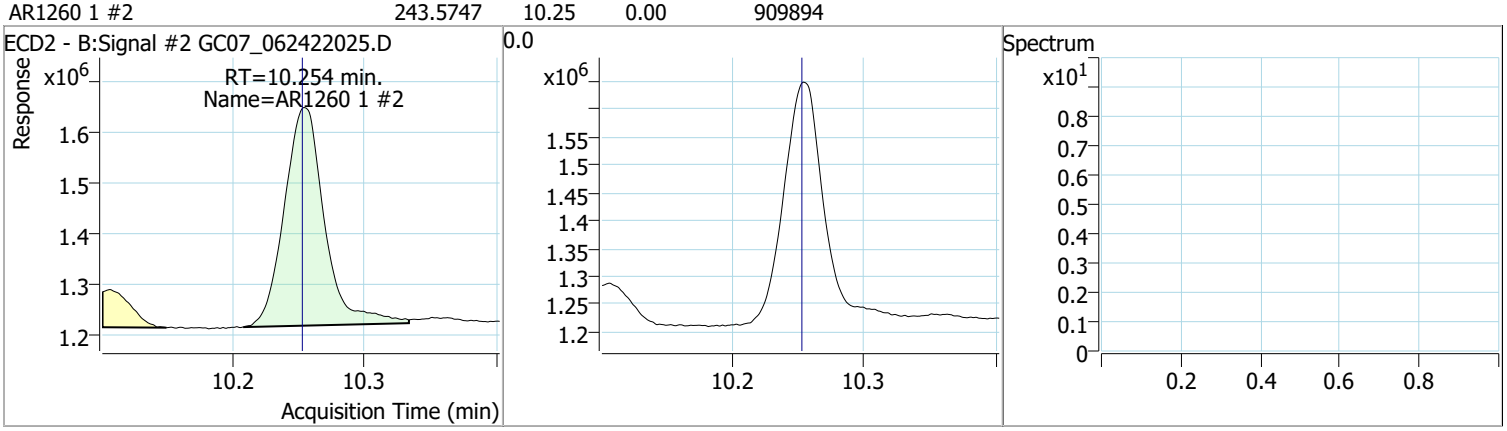
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	246.9236	9.40	0.00	4842298				



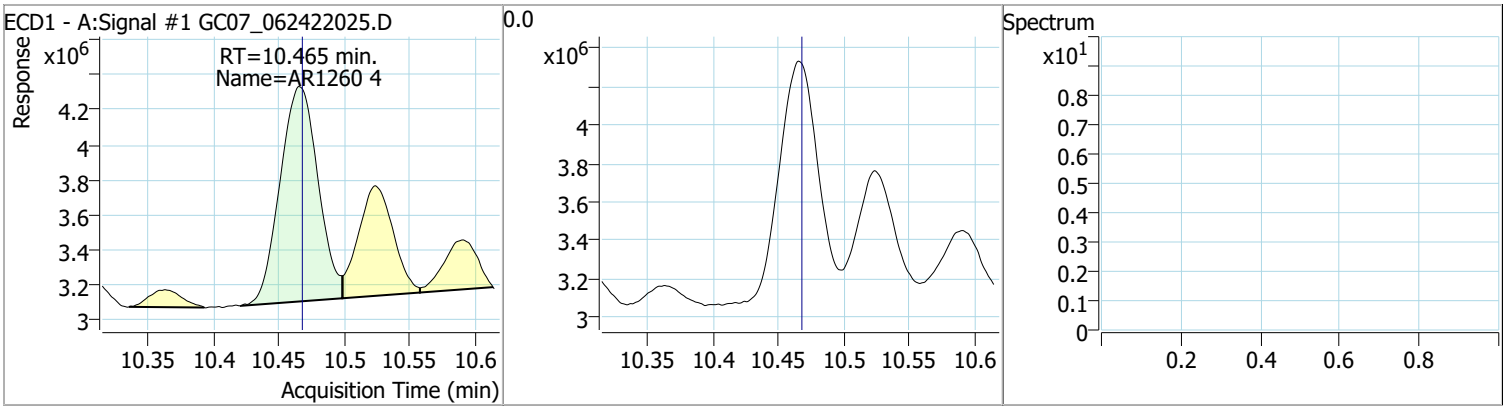
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	243.2066	9.91	0.00	4833211				



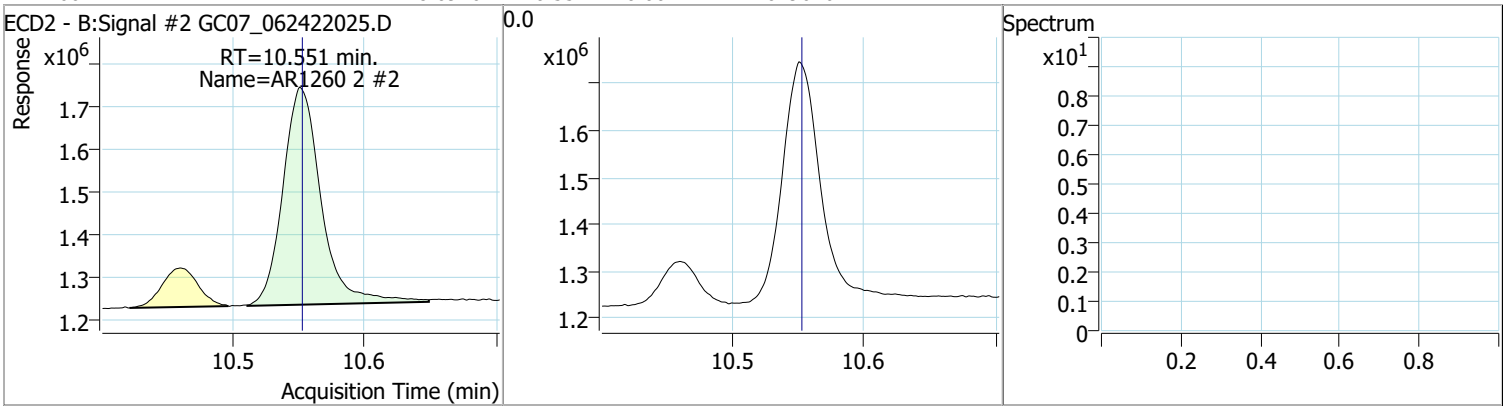
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	243.5747	10.25	0.00	909894				



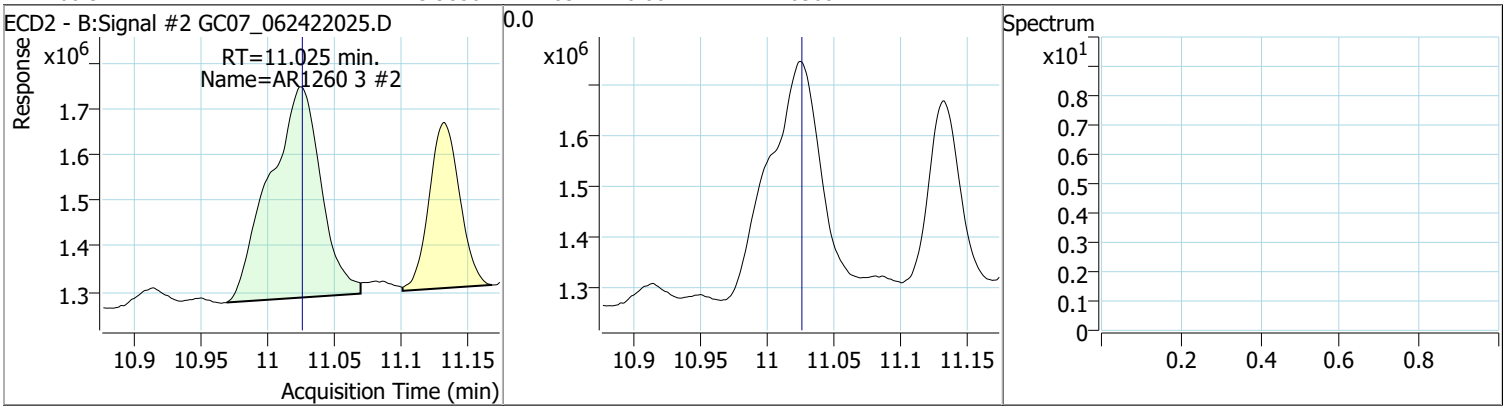
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	245.6043	10.47	0.00	2495136				



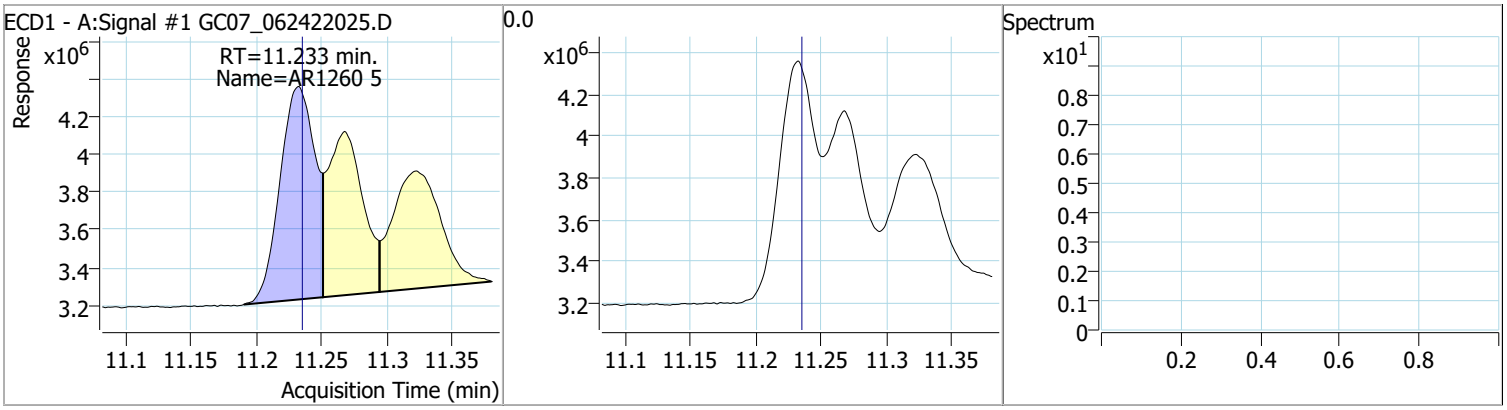
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	248.0916	10.55	0.00	1029646				



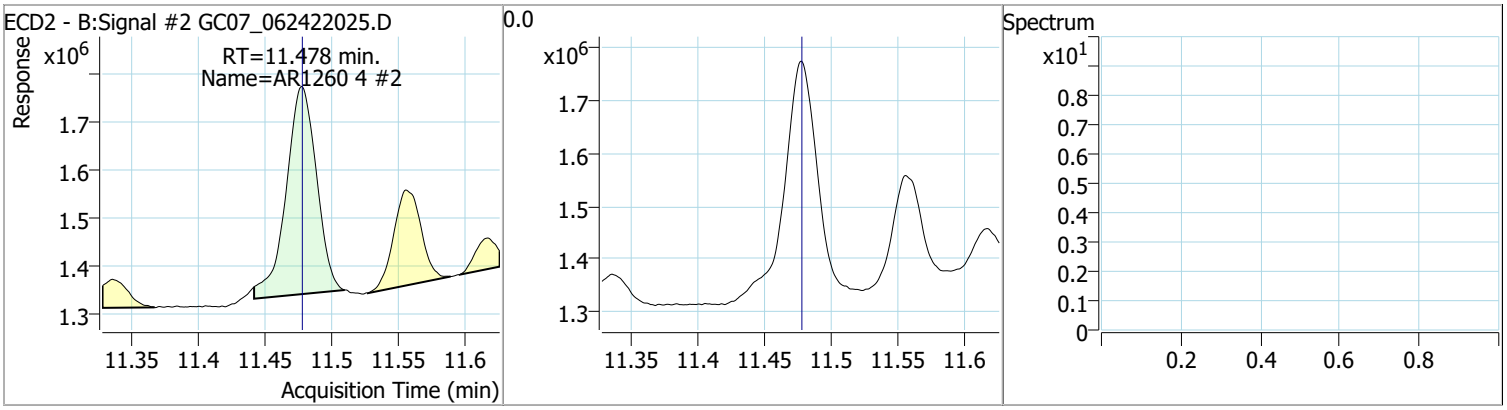
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	243.9850	11.03	0.00	1246365				



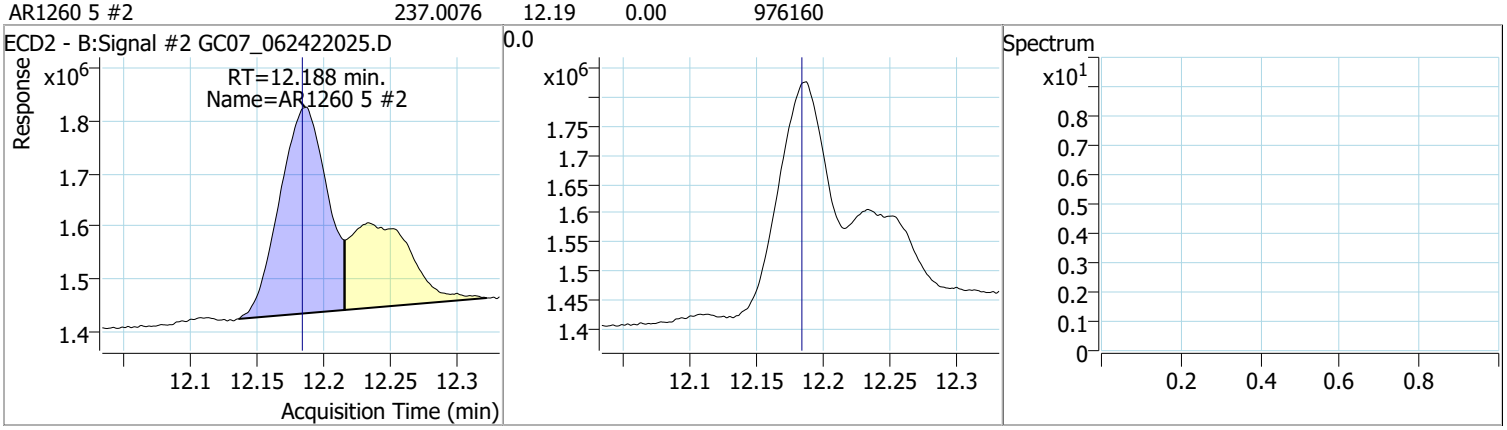
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	226.1231	11.23	0.00	2109055				



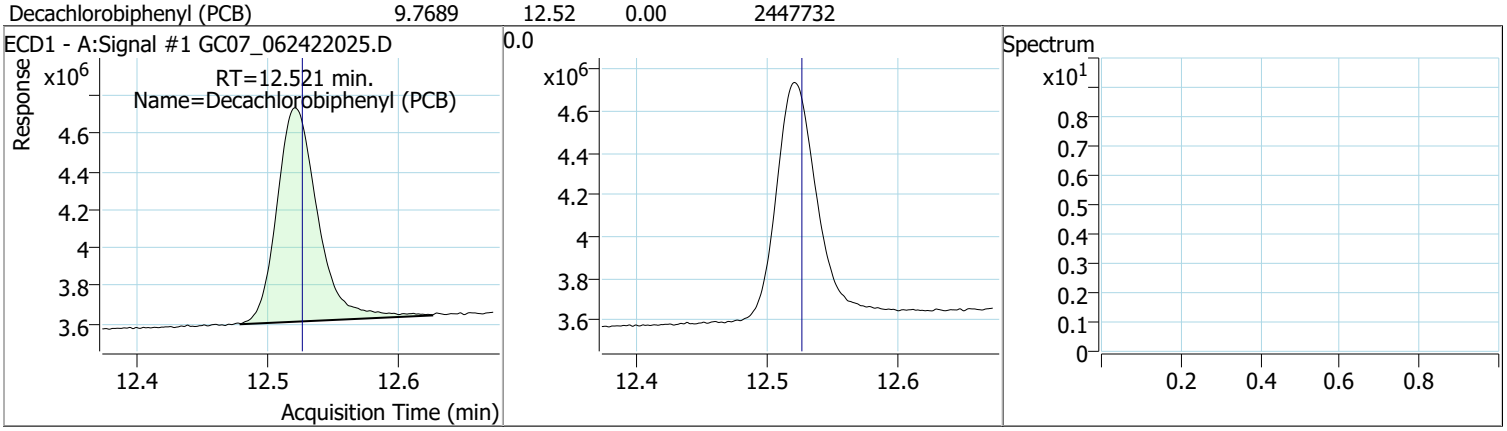
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	240.6325	11.48	0.00	689678				



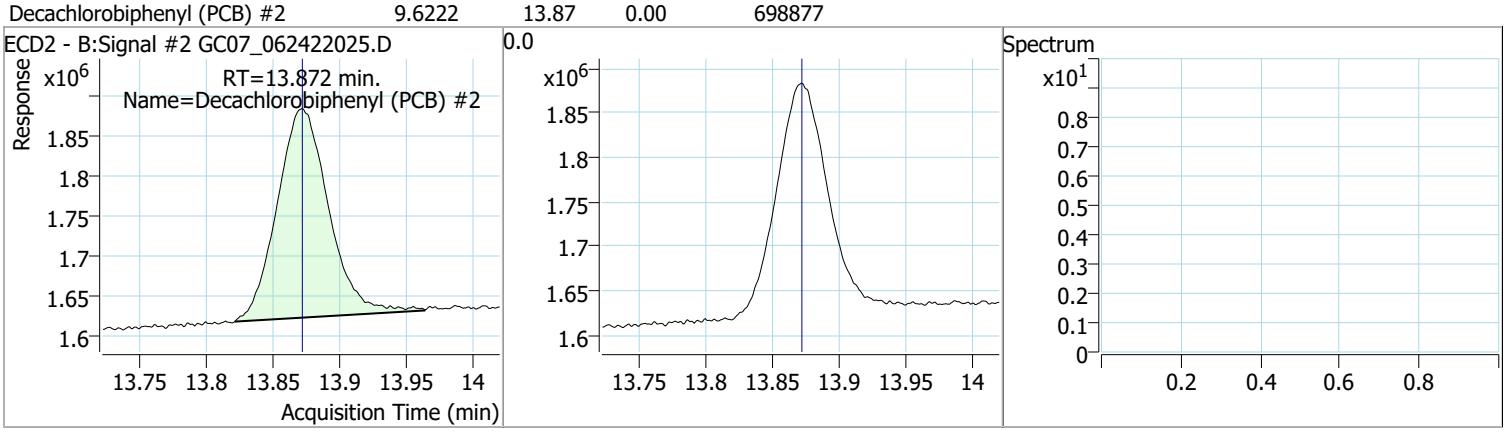
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	237.0076	12.19	0.00	976160				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	9.7689	12.52	0.00	2447732				

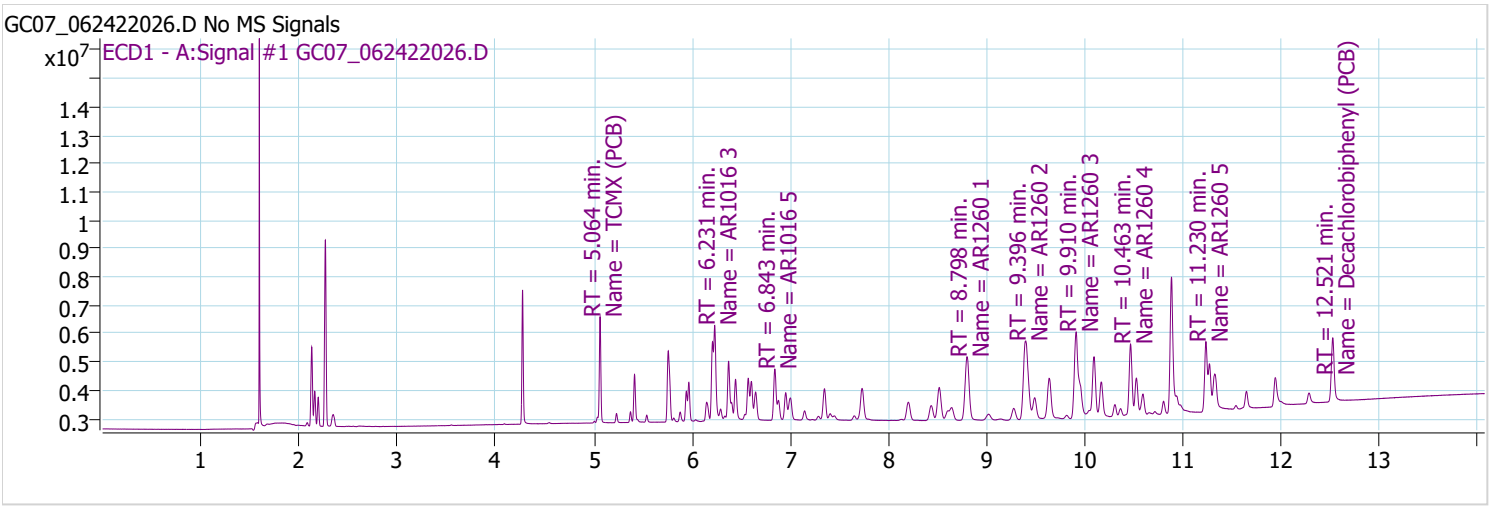


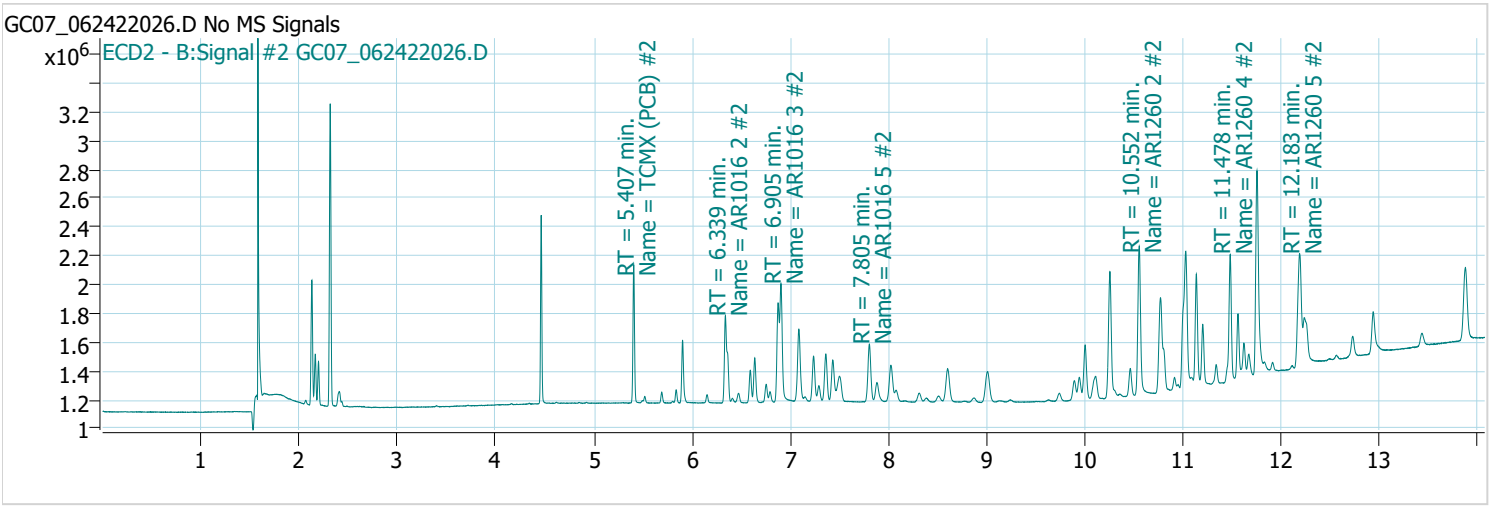
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	9.6222	13.87	0.00	698877				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422026.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 1:49:37 AM
Sample Name	ICAL, S16726, 4	Instrument	SVOA-GC07
Vial	15	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



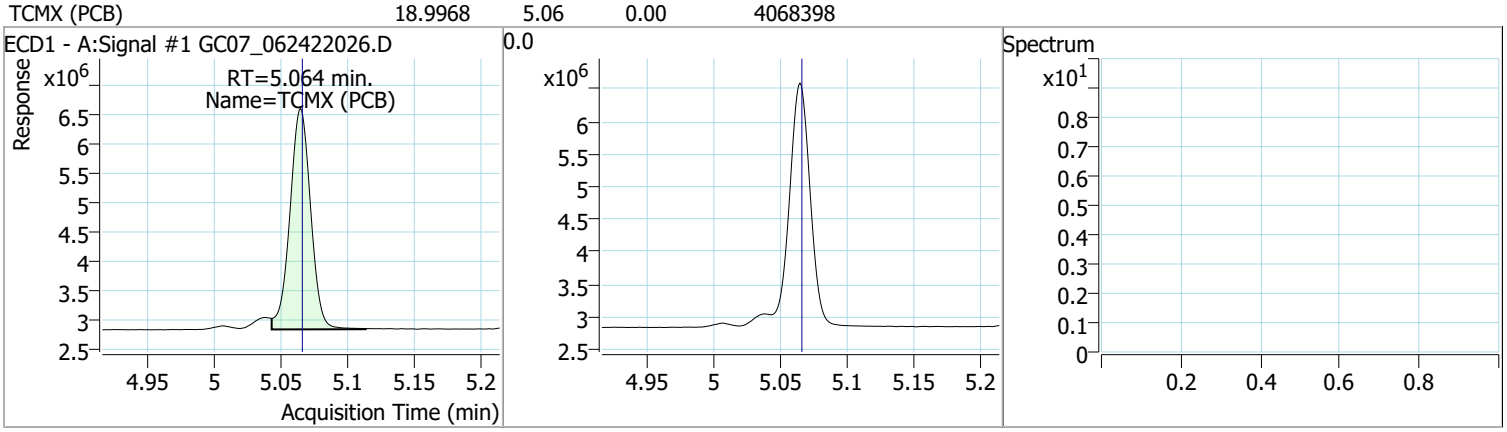


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.275	0.0	4540693.300	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.465	0.0	1187184.970	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.064	0.0	4068398.326	18.9968	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 94.98%		
S TCMX (PCB) #2	5.407	0.0	1061657.676	19.7050	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 98.52%		
S Decachlorobiphenyl (PCB)	12.521	0.0	4750520.056	18.7287	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 93.64%		
S Decachlorobiphenyl (PCB) #2	13.871	0.0	1358406.947	18.5821	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 92.91%		
Target Compounds						QValue

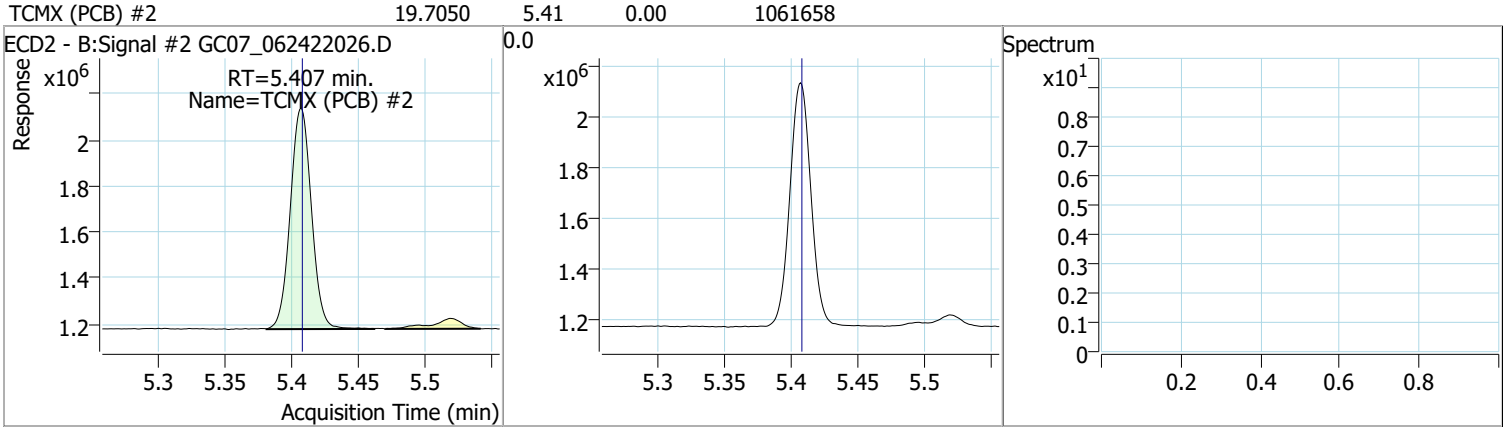
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.415	0.0	2181077.730	500.6865	ng/ml	m	100
T AR1016 2	5.758	0.0	4479111.074	474.4196	ng/ml		100
T AR1016 1 #2	5.903	0.0	577162.498	482.7572	ng/ml		100
T AR1016 3	6.231	0.0	5152757.064	471.3103	ng/ml		100
T AR1016 2 #2	6.339	0.0	1274235.221	489.4577	ng/ml		100
T AR1016 4	6.372	0.0	3772165.796	479.8021	ng/ml	m	100
T AR1016 5	6.843	0.0	3140346.738	479.5366	ng/ml		100
T AR1016 3 #2	6.905	0.0	1433477.993	480.0277	ng/ml		100
T AR1016 4 #2	7.088	0.0	997642.137	481.3524	ng/ml		100
T AR1016 5 #2	7.805	0.0	831109.616	480.0454	ng/ml		100
T AR1260 1	8.798	0.0	6580851.112	475.8643	ng/ml		100
T AR1260 2	9.396	0.0	9518154.550	479.4548	ng/ml		100
T AR1260 3	9.910	0.0	9630305.007	478.7001	ng/ml		100
T AR1260 1 #2	10.253	0.0	1836314.904	488.4021	ng/ml		100
T AR1260 4	10.463	0.0	4888050.985	475.2929	ng/ml		100
T AR1260 2 #2	10.552	0.0	2042124.120	488.8724	ng/ml		100
T AR1260 3 #2	11.025	0.0	2599120.827	505.5144	ng/ml		100
T AR1260 5	11.230	0.0	4589366.652	486.0640	ng/ml		100
T AR1260 4 #2	11.478	0.0	1366676.357	473.7649	ng/ml		100
T AR1260 5 #2	12.183	0.0	2021544.801	487.6564	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

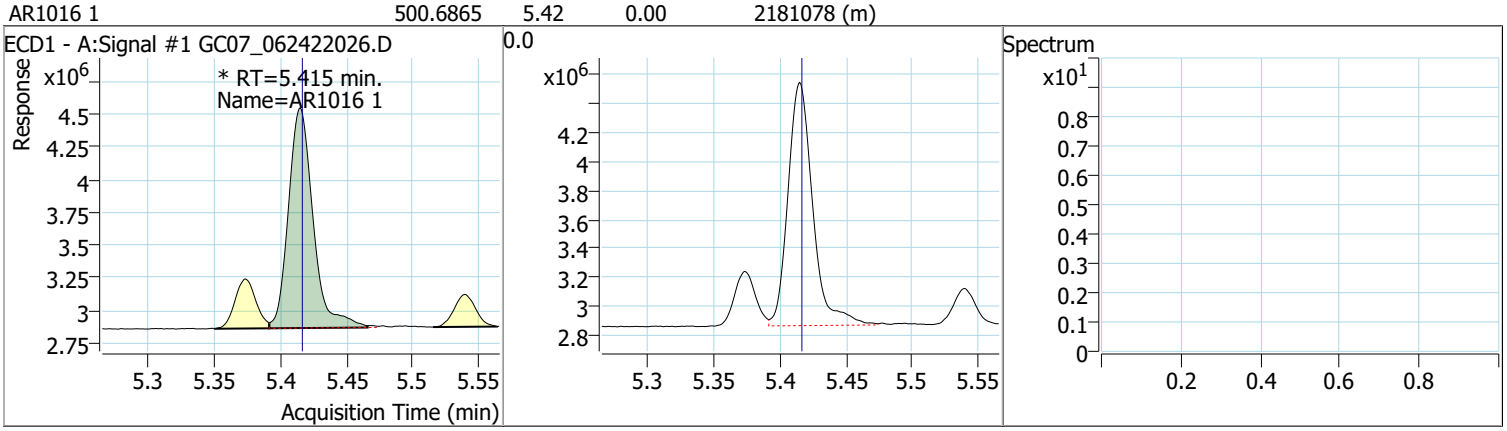
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	18.9968	5.06	0.00	4068398				



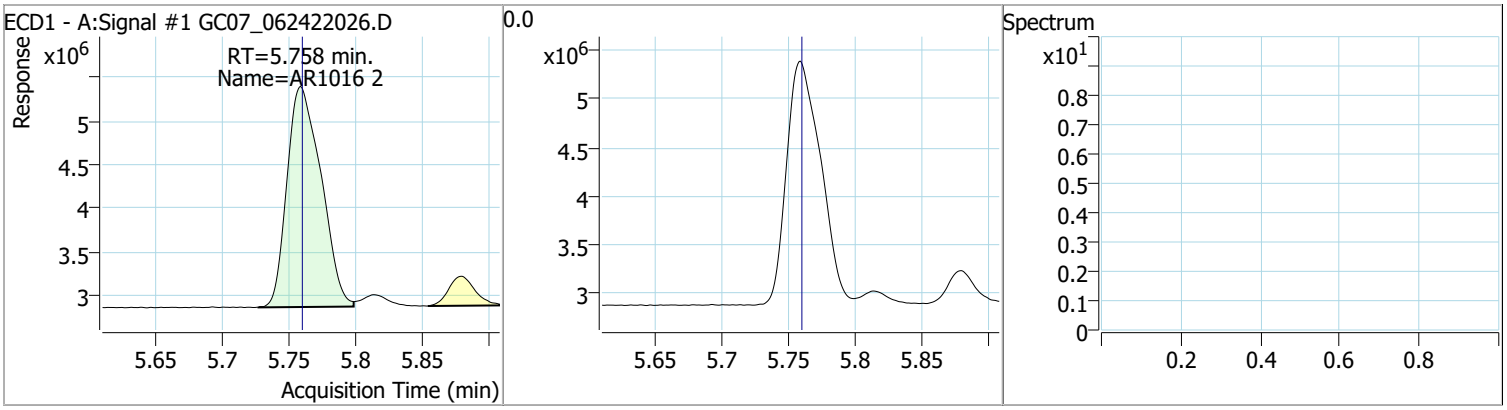
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	19.7050	5.41	0.00	1061658				



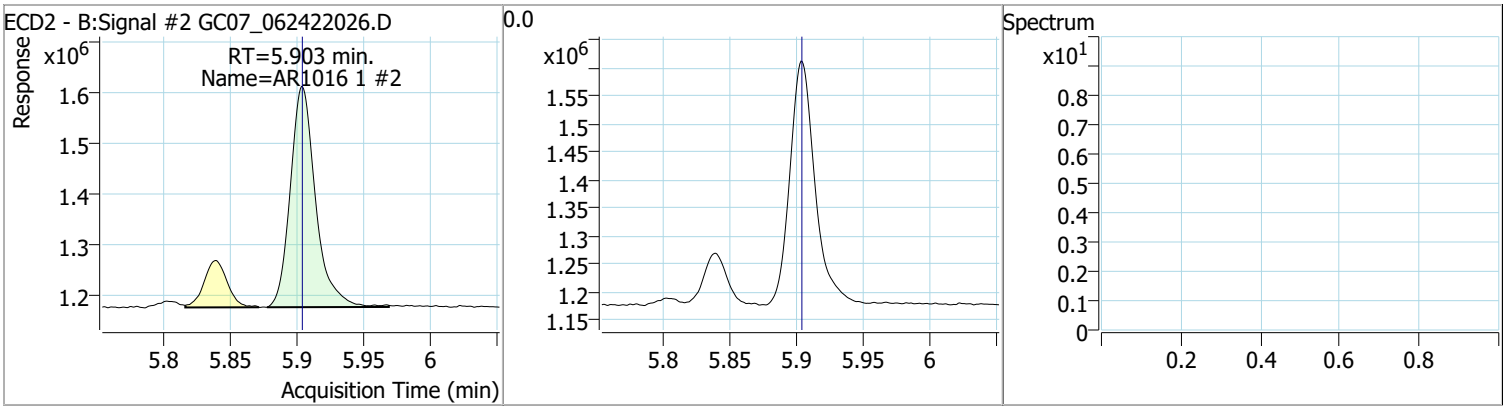
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	500.6865	5.42	0.00	2181078 (m)				



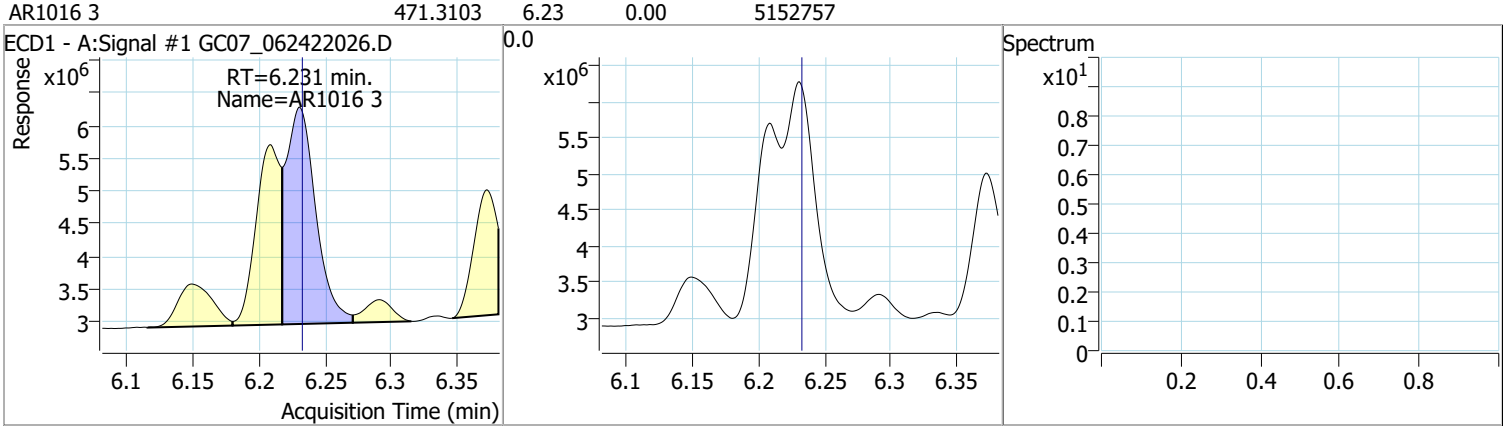
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	474.4196	5.76	0.00	4479111				



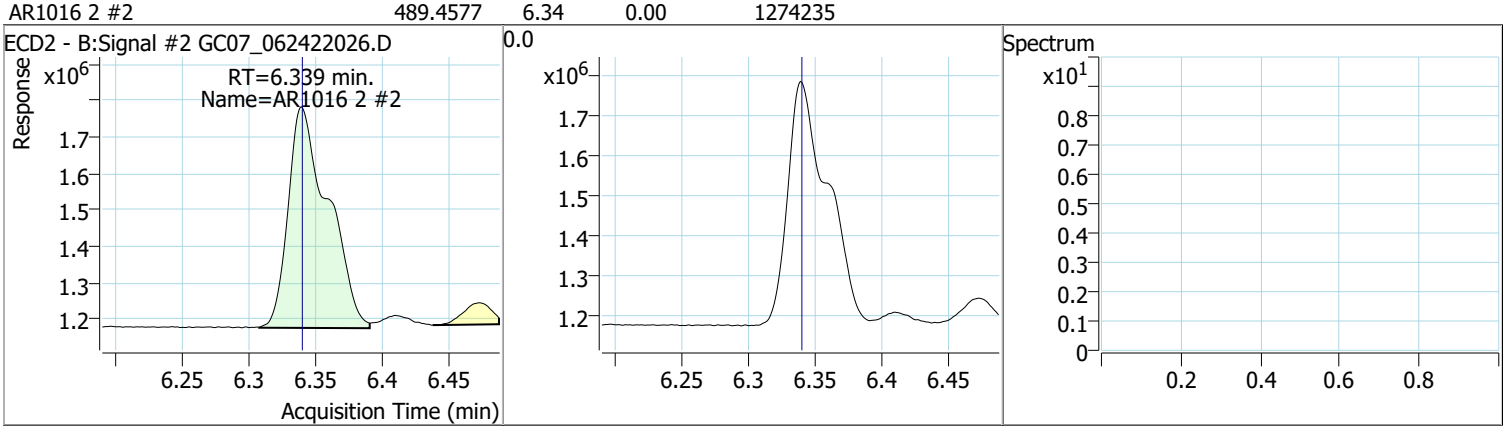
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	482.7572	5.90	0.00	577162				



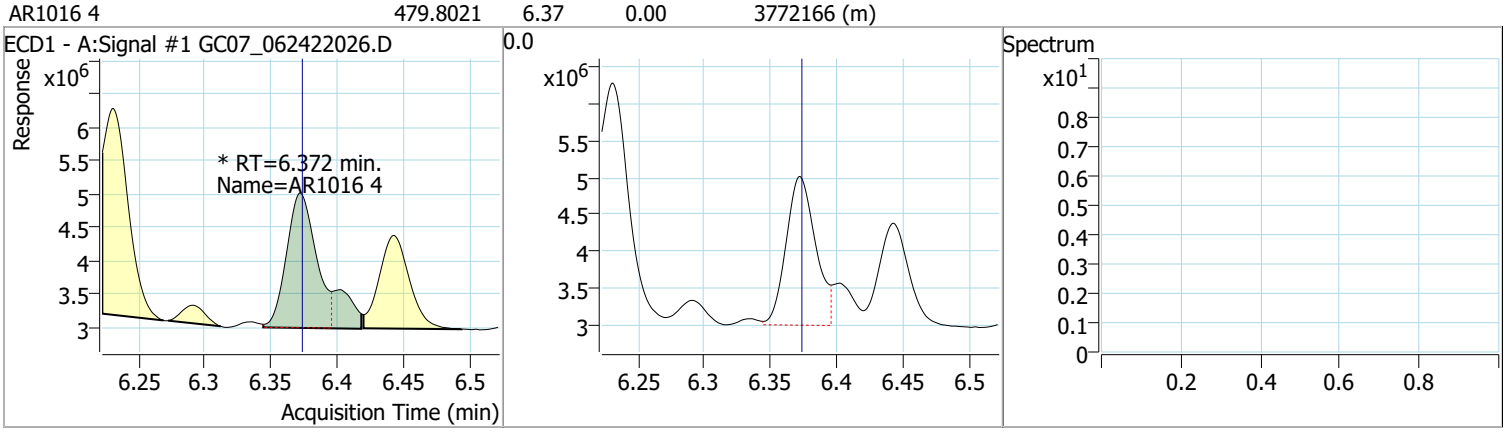
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	471.3103	6.23	0.00	5152757				



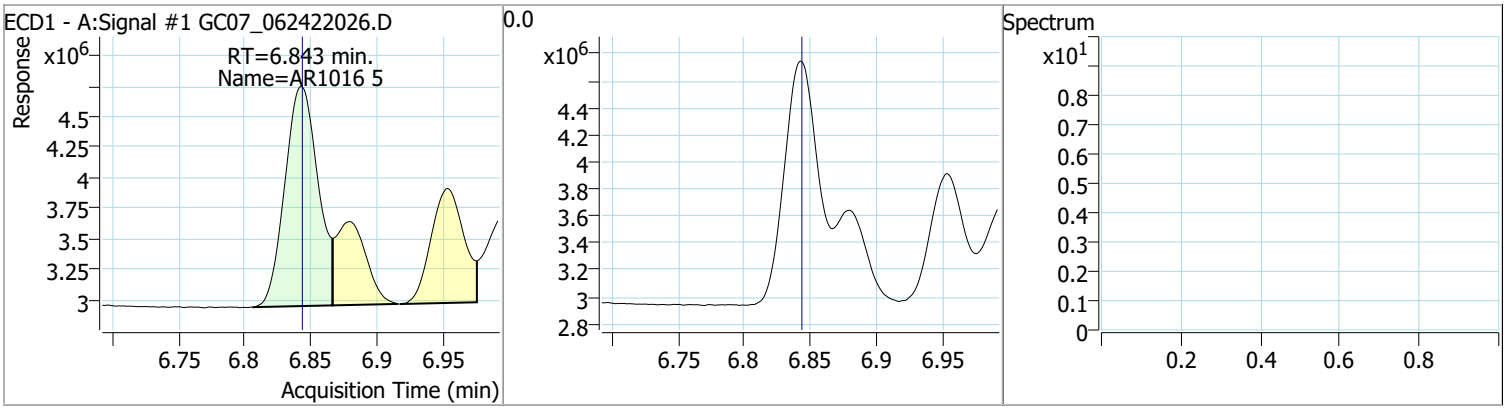
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	489.4577	6.34	0.00	1274235				



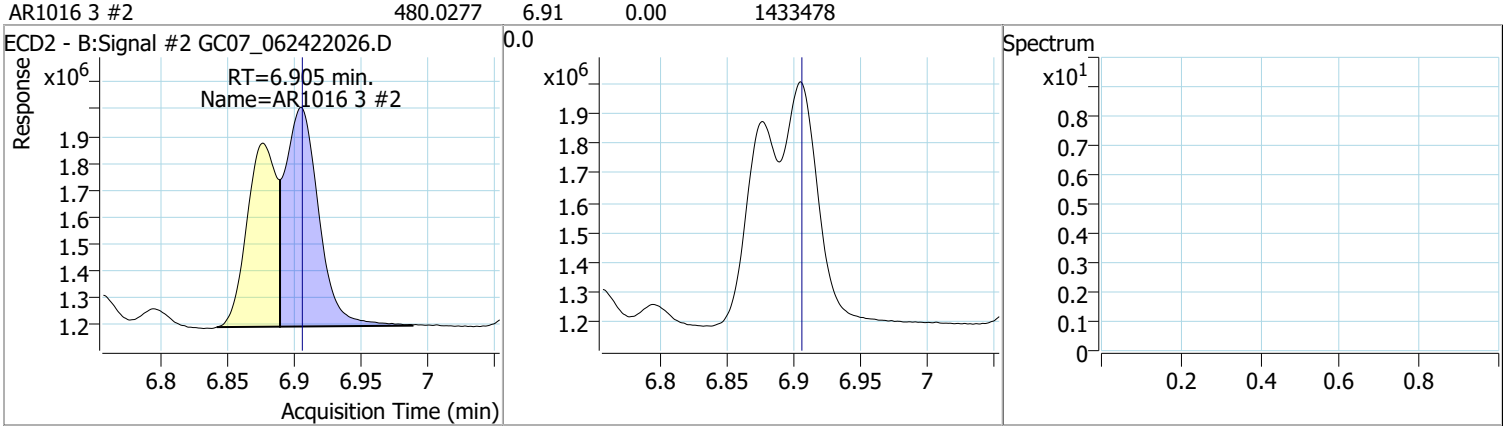
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	479.8021	6.37	0.00	3772166 (m)				



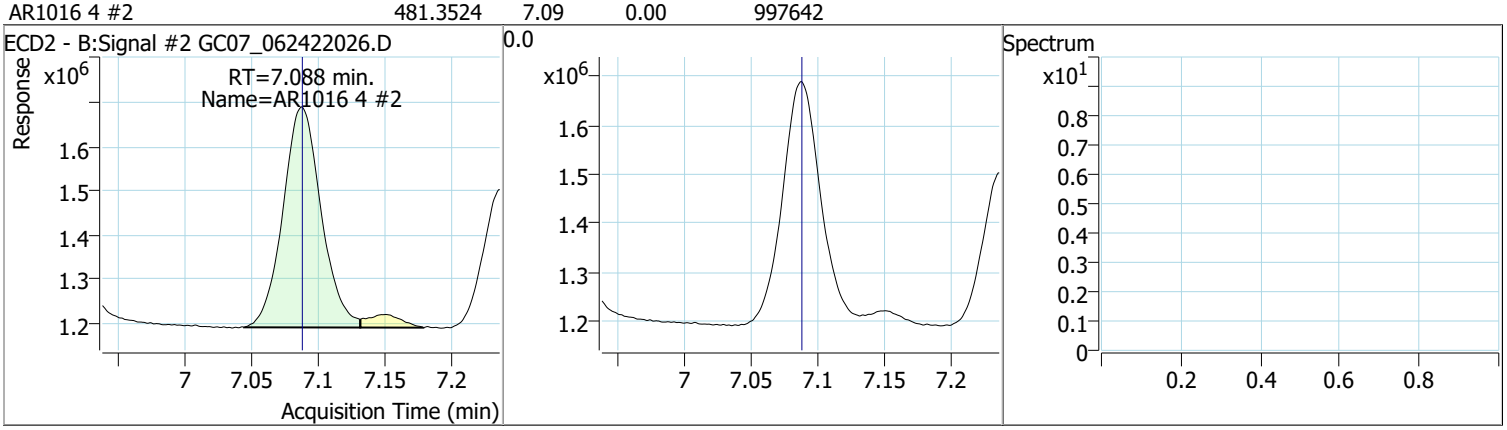
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	479.5366	6.84	0.00	3140347				



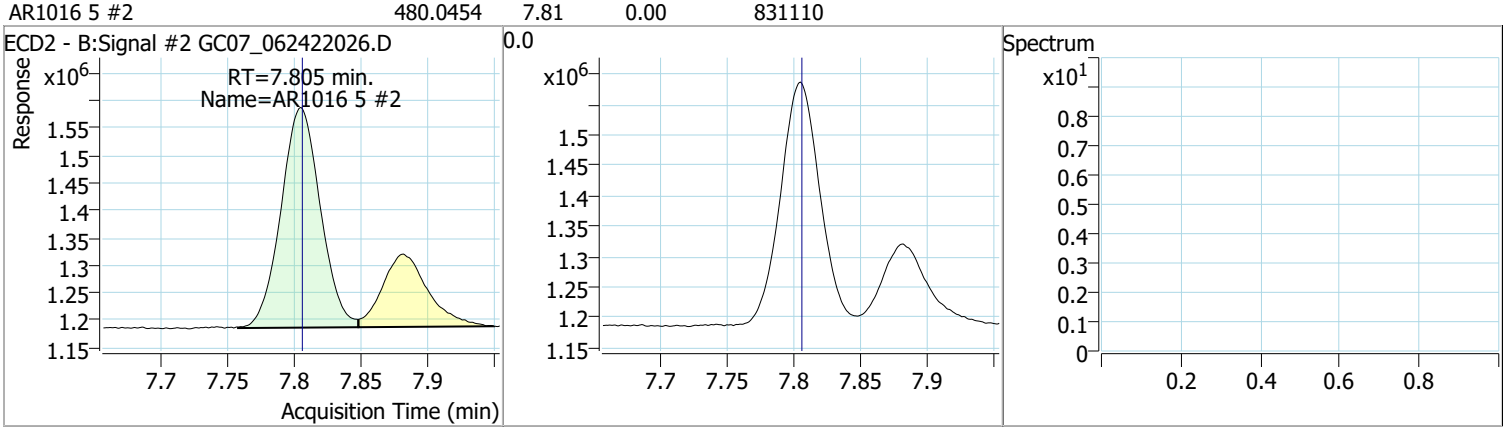
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	480.0277	6.91	0.00	1433478				



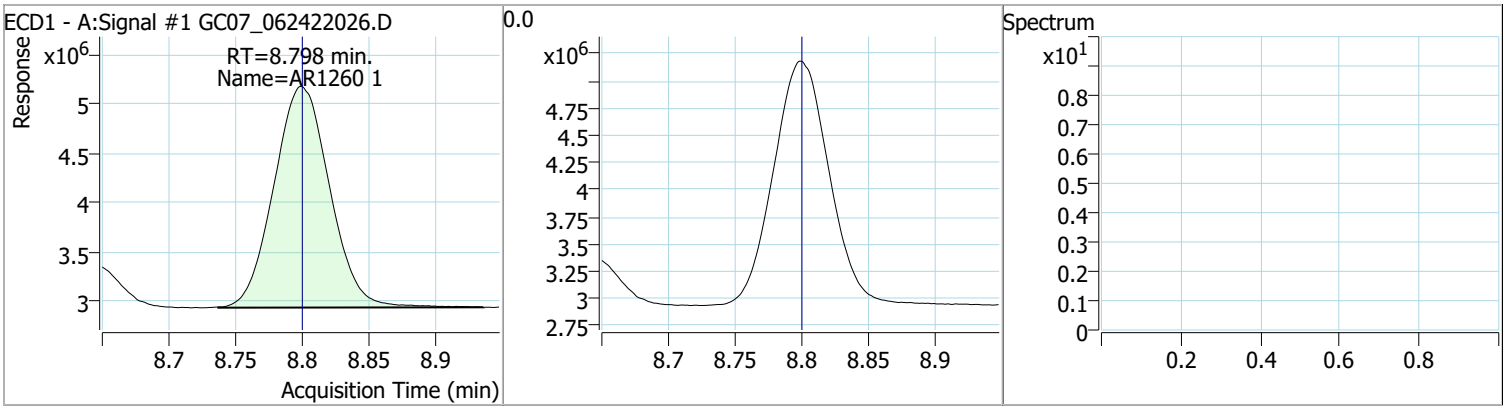
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	481.3524	7.09	0.00	997642				



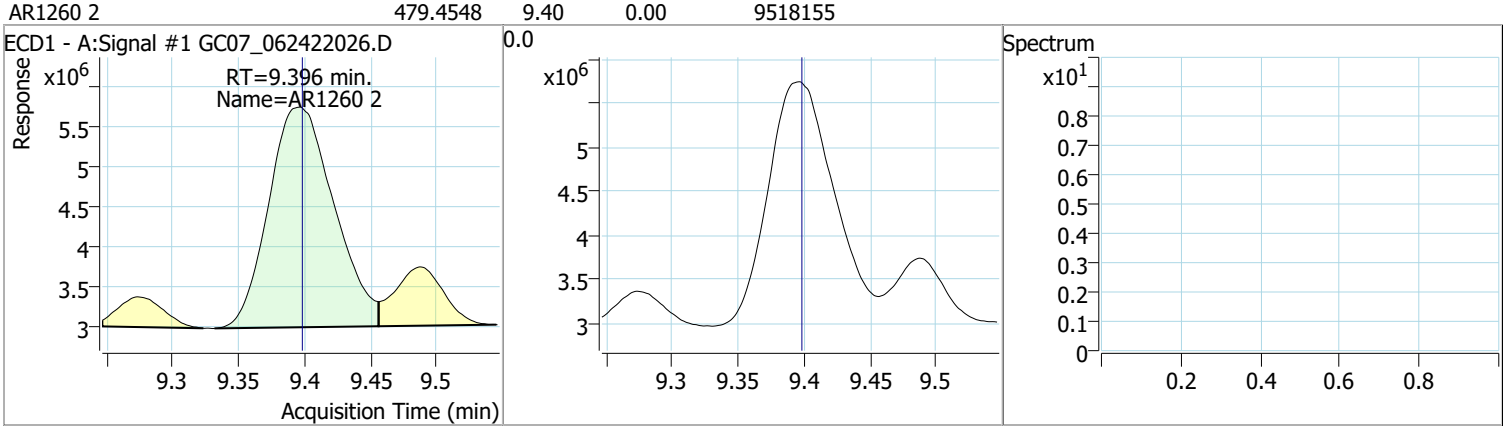
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	480.0454	7.81	0.00	831110				



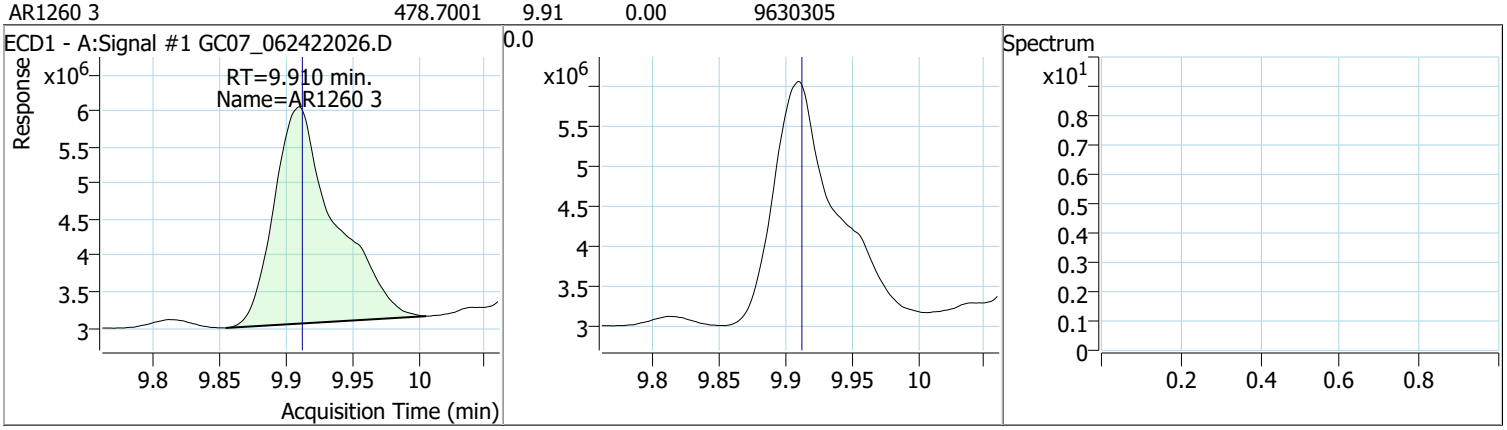
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	475.8643	8.80	0.00	6580851				



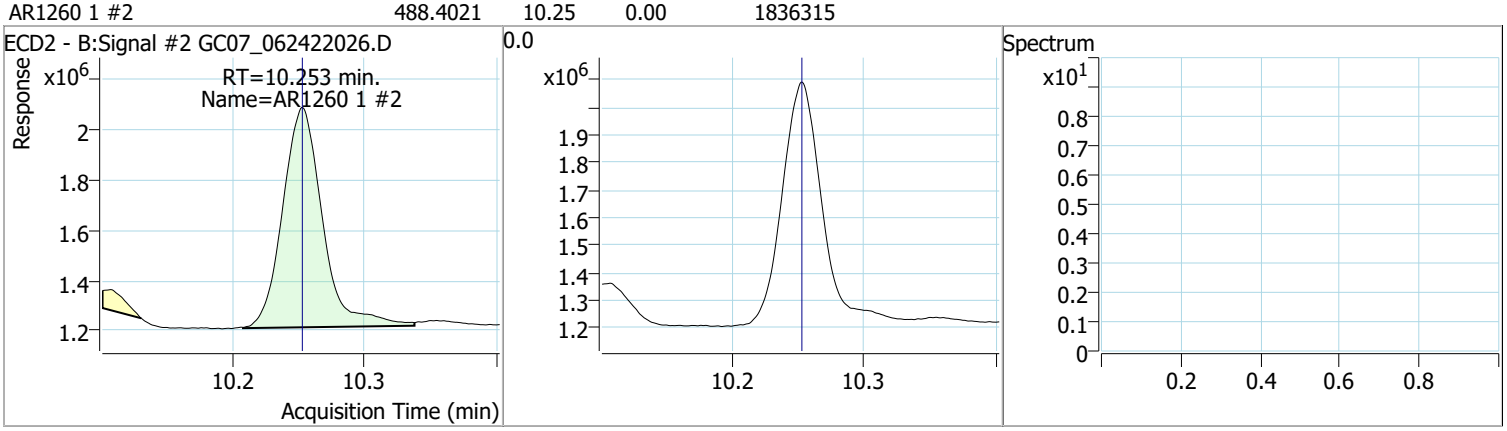
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	479.4548	9.40	0.00	9518155				



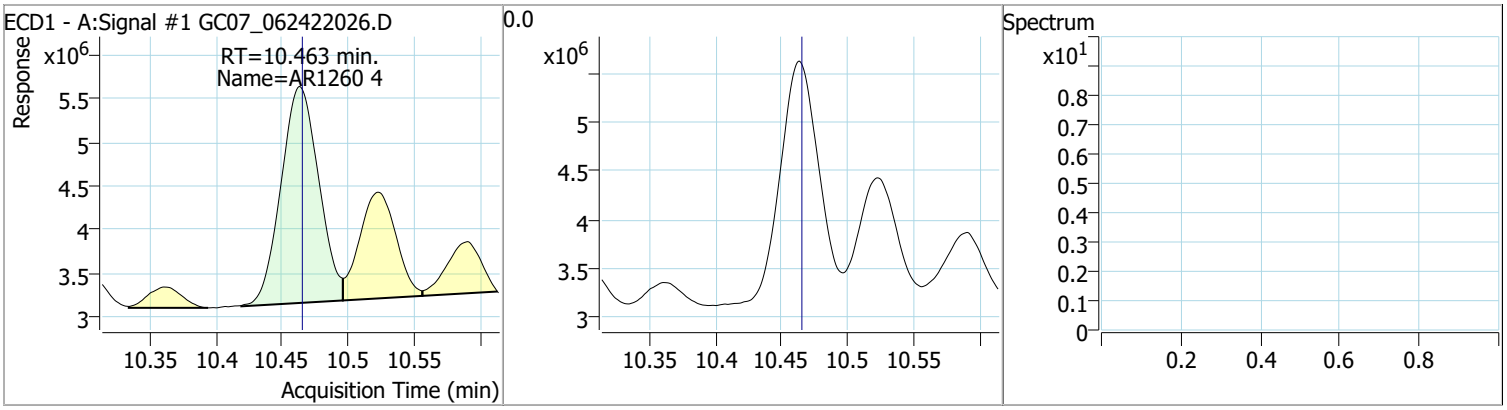
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	478.7001	9.91	0.00	9630305				



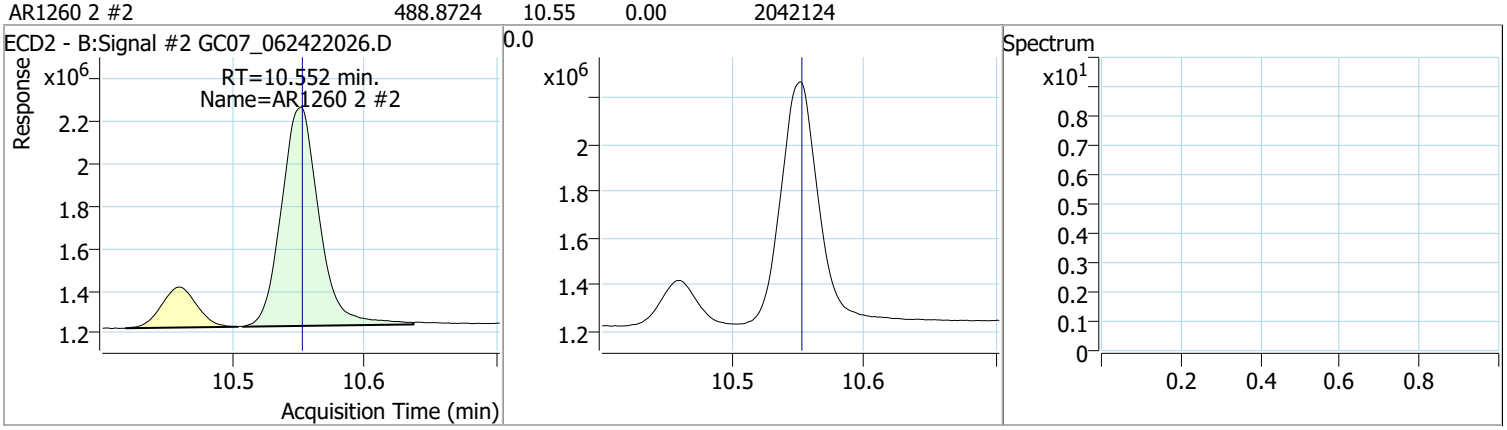
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	488.4021	10.25	0.00	1836315				



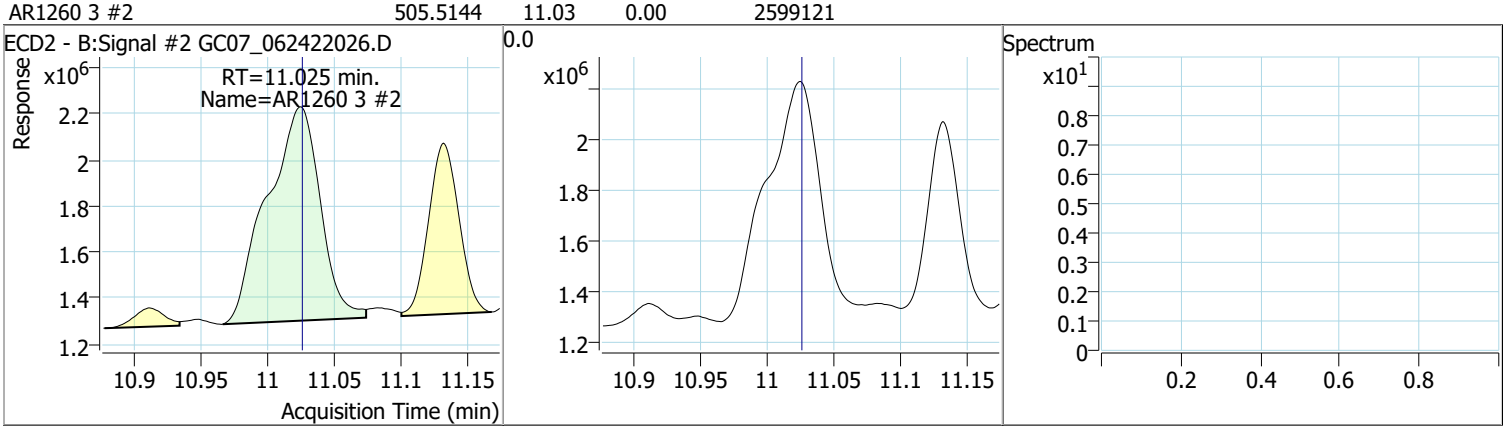
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	475.2929	10.46	0.00	4888051				



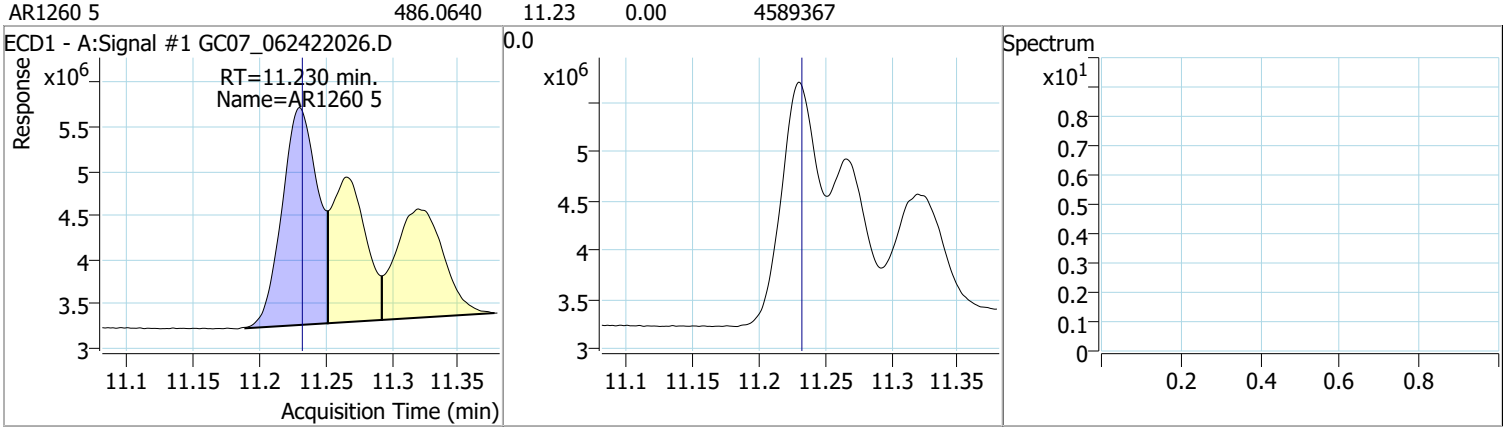
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	488.8724	10.55	0.00	2042124				



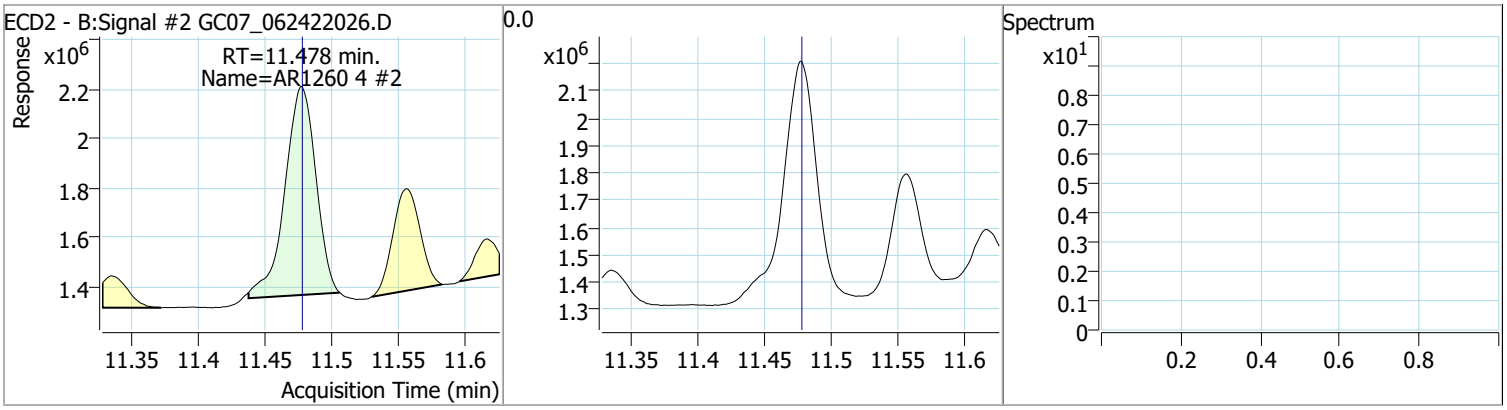
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	505.5144	11.03	0.00	2599121				



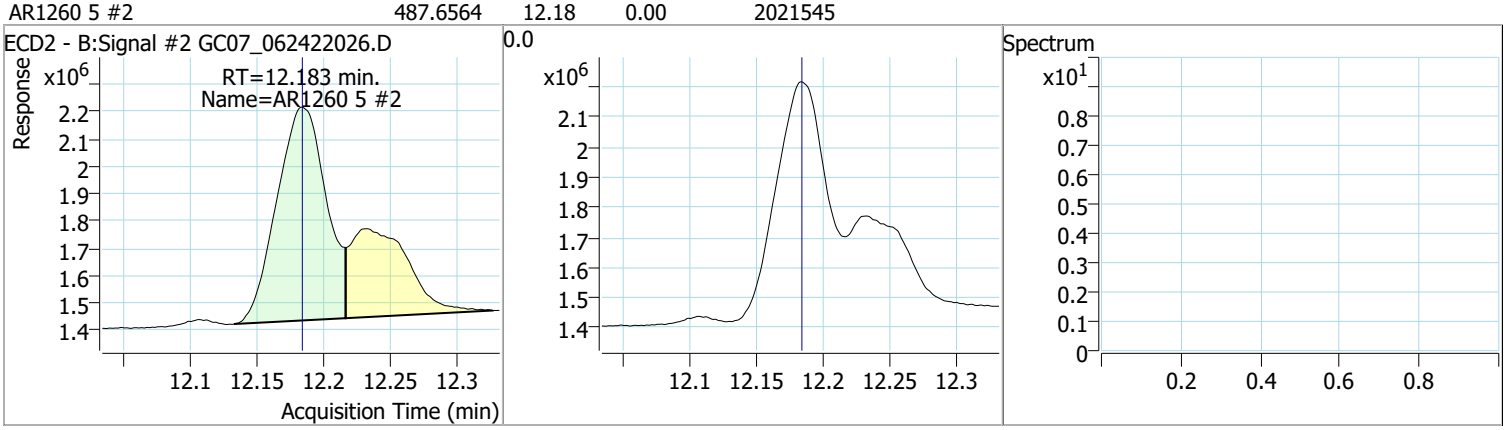
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	486.0640	11.23	0.00	4589367				



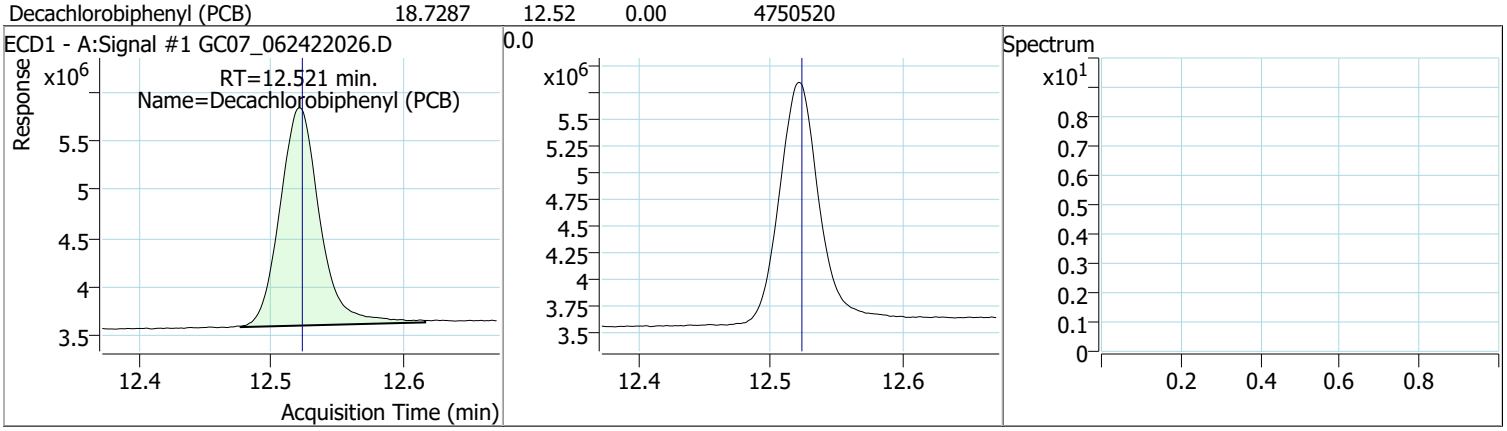
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	473.7649	11.48	0.00	1366676				



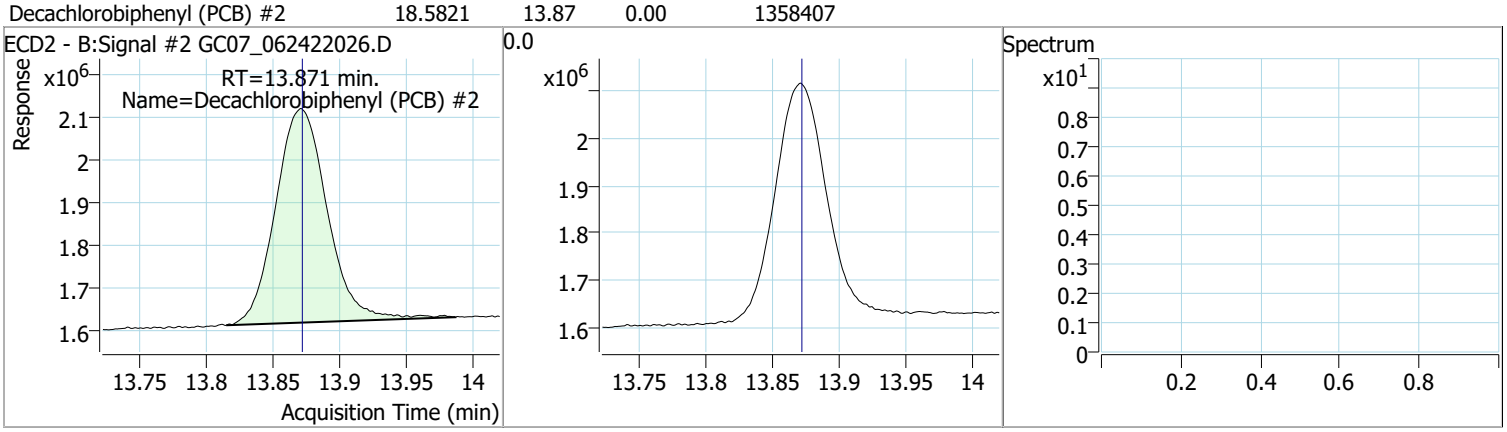
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	487.6564	12.18	0.00	2021545				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	18.7287	12.52	0.00	4750520				

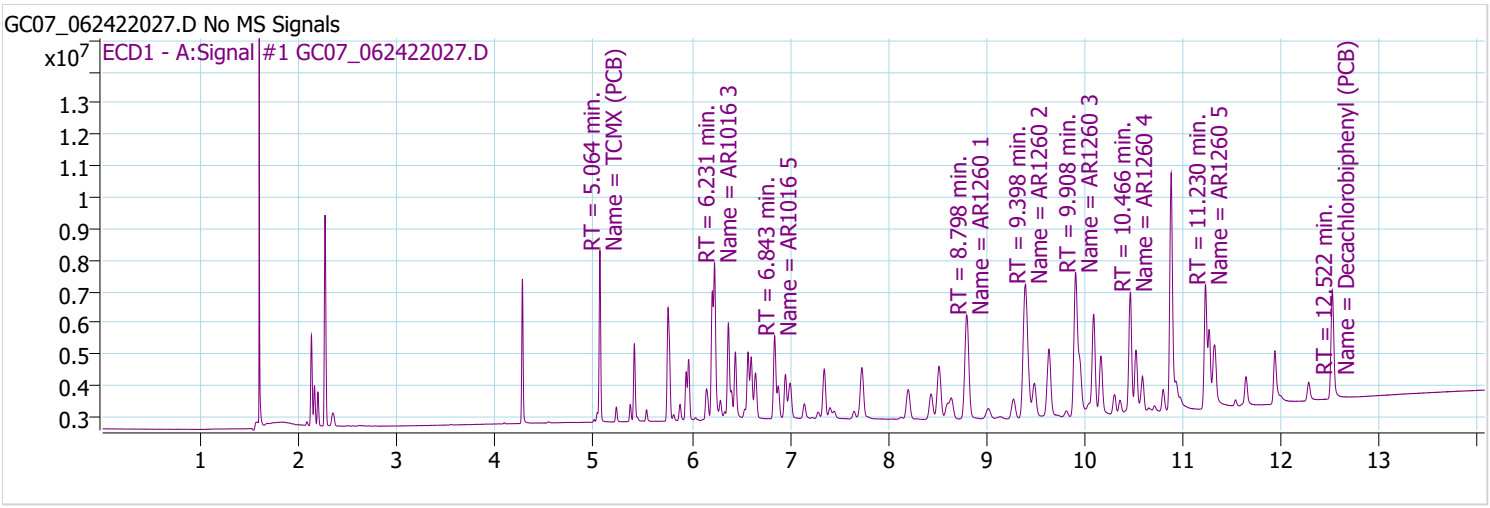


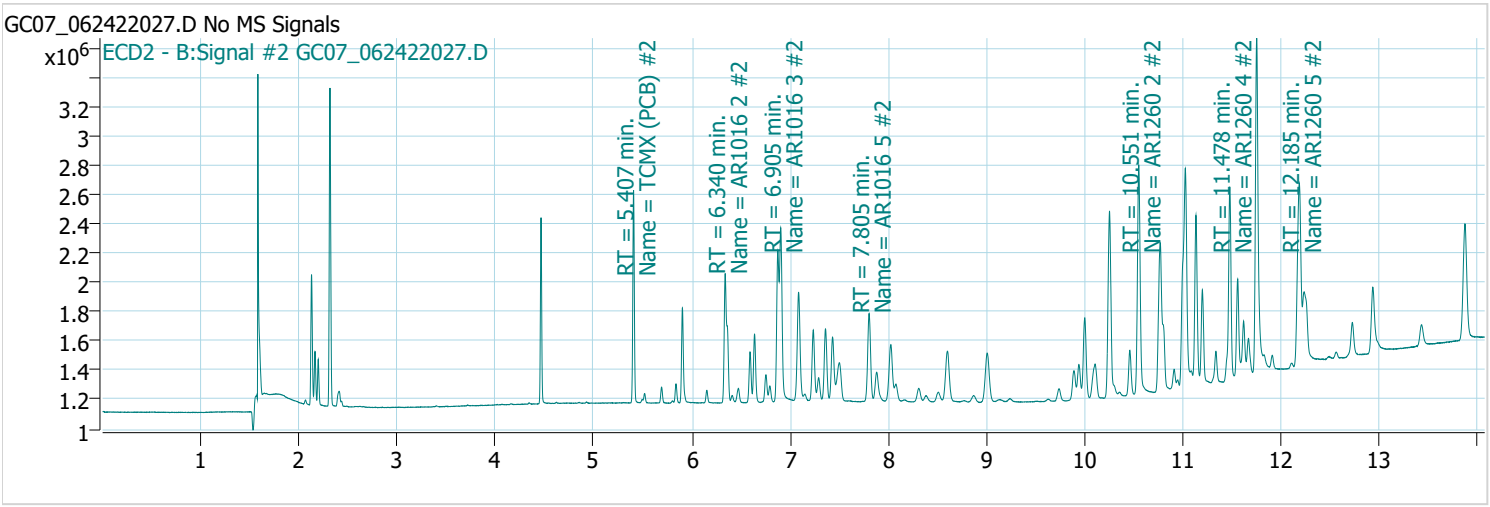
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	18.5821	13.87	0.00	1358407				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422027.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 2:07:06 AM
Sample Name	ICAL, S16726, 2.66	Instrument	SVOA-GC07
Vial	16	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	750 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



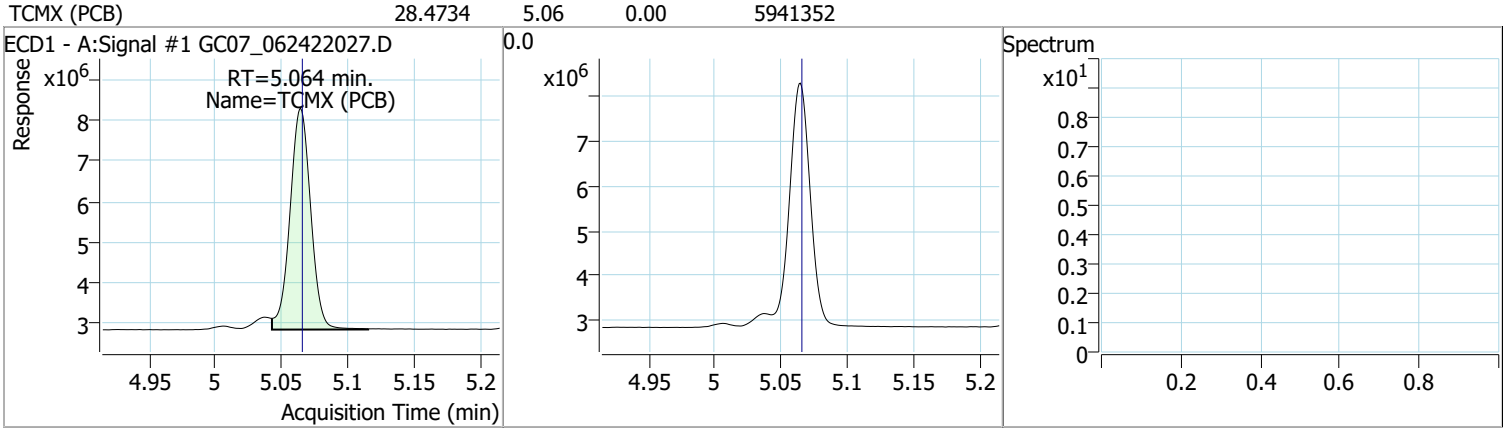


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.275	0.0	4424105.000	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.464	0.0	1157107.608	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.064	0.0	5941351.881	28.4734	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 142.37%		
S TCMX (PCB) #2	5.407	0.0	1565711.877	29.8159	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 149.08%		
S Decachlorobiphenyl (PCB)	12.522	0.0	7275207.517	29.4381	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 147.19%		
S Decachlorobiphenyl (PCB) #2	13.873	0.0	2090754.941	29.3435	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 146.72%		
Target Compounds						QValue

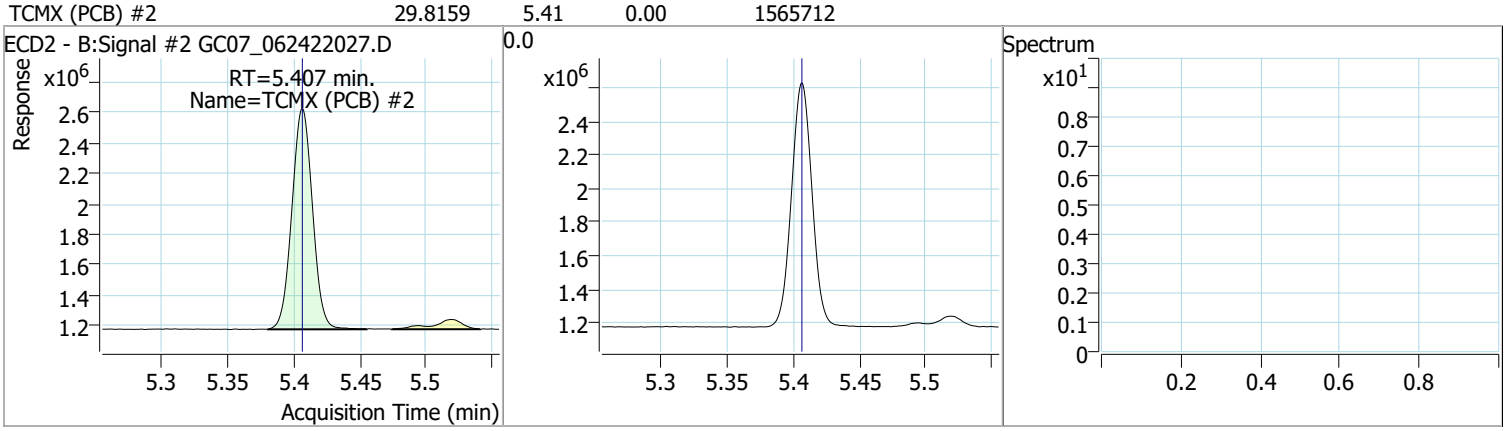
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.415	0.0	2987472.255	703.8748	ng/ml	m	100
T AR1016 2	5.758	0.0	6390444.056	694.7020	ng/ml		100
T AR1016 1 #2	5.904	0.0	850617.917	729.9780	ng/ml		100
T AR1016 3	6.231	0.0	7527661.058	706.6821	ng/ml		100
T AR1016 2 #2	6.340	0.0	1843224.286	726.4210	ng/ml		100
T AR1016 4	6.372	0.0	5500669.792	718.0979	ng/ml	m	100
T AR1016 5	6.843	0.0	4575781.288	717.1436	ng/ml		100
T AR1016 3 #2	6.905	0.0	2117268.136	727.4376	ng/ml		100
T AR1016 4 #2	7.087	0.0	1498091.864	741.6030	ng/ml		100
T AR1016 5 #2	7.805	0.0	1242512.045	736.3245	ng/ml		100
T AR1260 1	8.798	0.0	10255961.782	761.1569	ng/ml		100
T AR1260 2	9.398	0.0	14181456.773	733.1832	ng/ml		100
T AR1260 3	9.908	0.0	14575945.035	743.6300	ng/ml		100
T AR1260 1 #2	10.253	0.0	2744668.361	748.9708	ng/ml		100
T AR1260 4	10.466	0.0	7305100.785	729.0352	ng/ml		100
T AR1260 2 #2	10.551	0.0	3083387.233	757.3316	ng/ml		100
T AR1260 3 #2	11.025	0.0	3988085.687	795.8224	ng/ml		100
T AR1260 5	11.230	0.0	7433526.896	808.0391	ng/ml		100
T AR1260 4 #2	11.478	0.0	2244748.204	798.3797	ng/ml		100
T AR1260 5 #2	12.185	0.0	3113694.070	770.6392	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

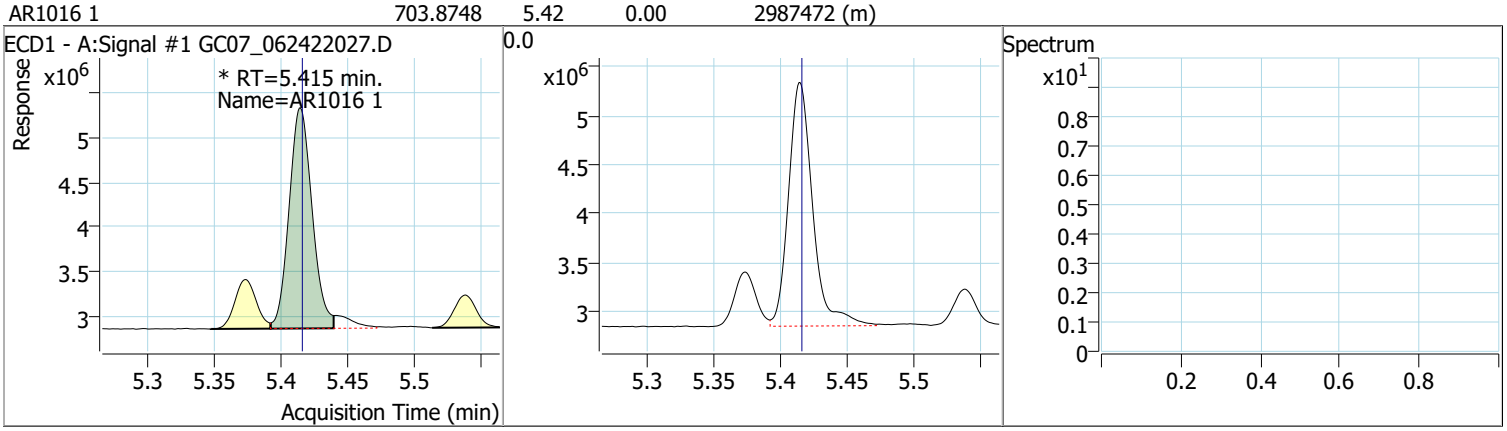
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	28.4734	5.06	0.00	5941352				



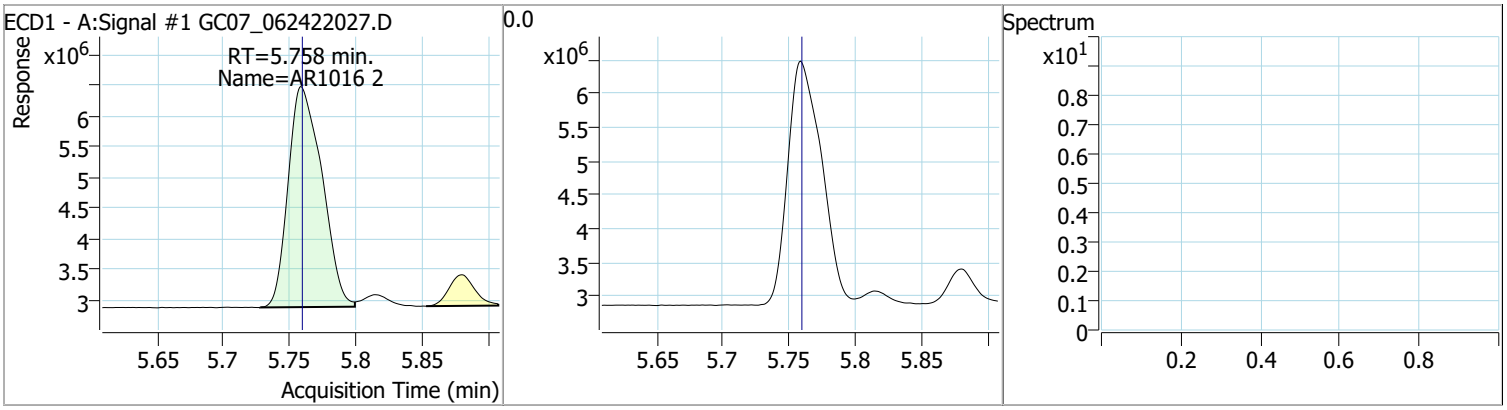
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	29.8159	5.41	0.00	1565712				



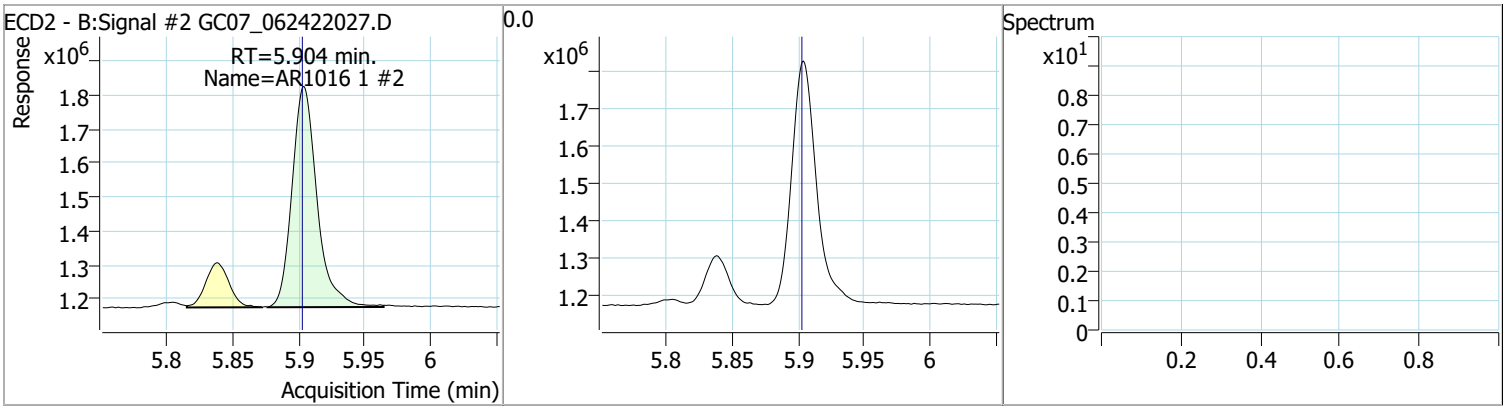
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	703.8748	5.42	0.00	2987472 (m)				



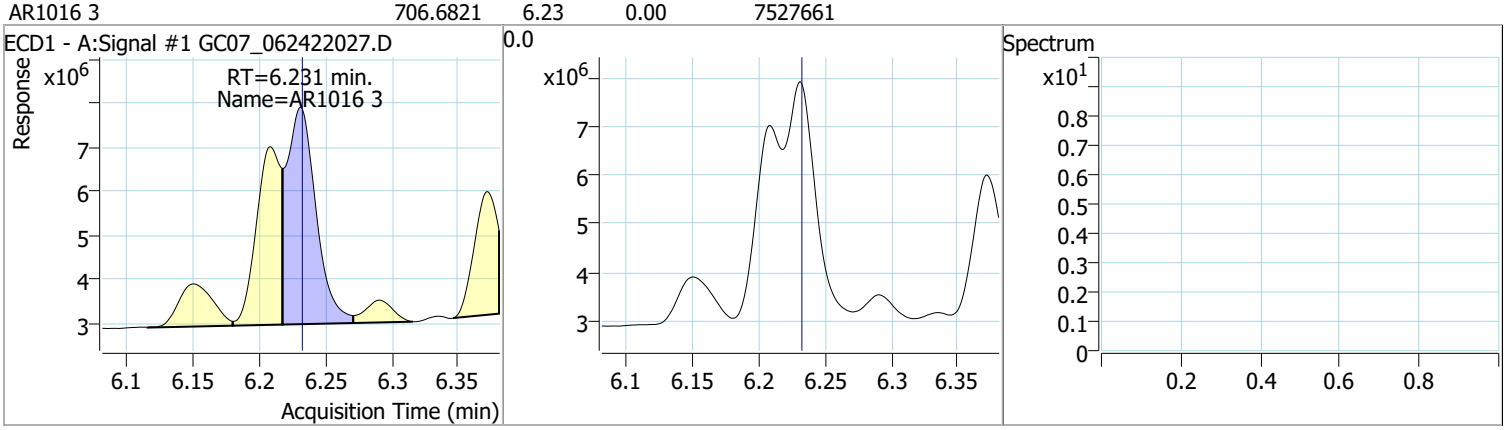
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	694.7020	5.76	0.00	6390444				



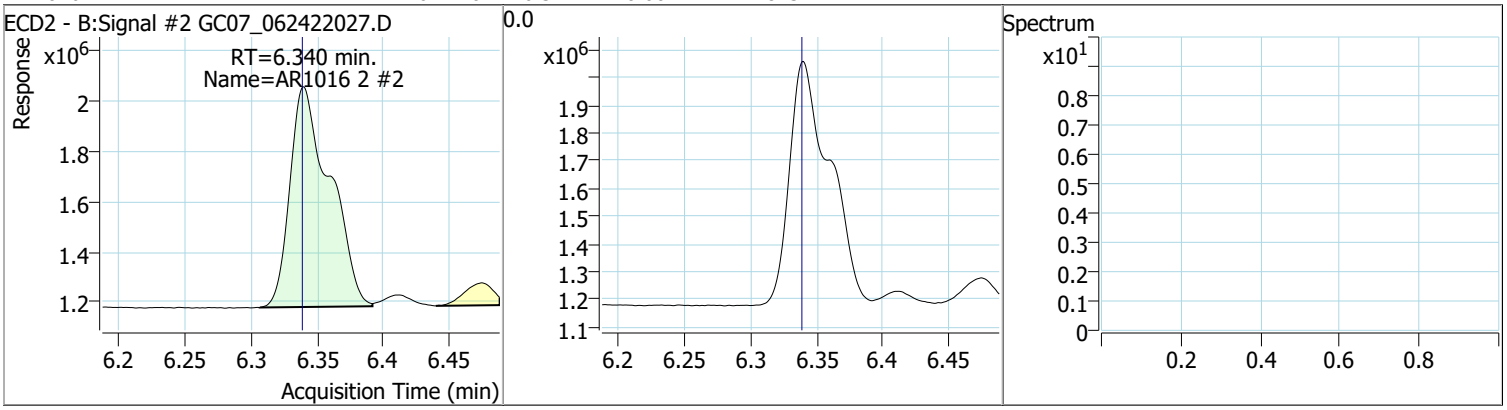
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	729.9780	5.90	0.00	850618				



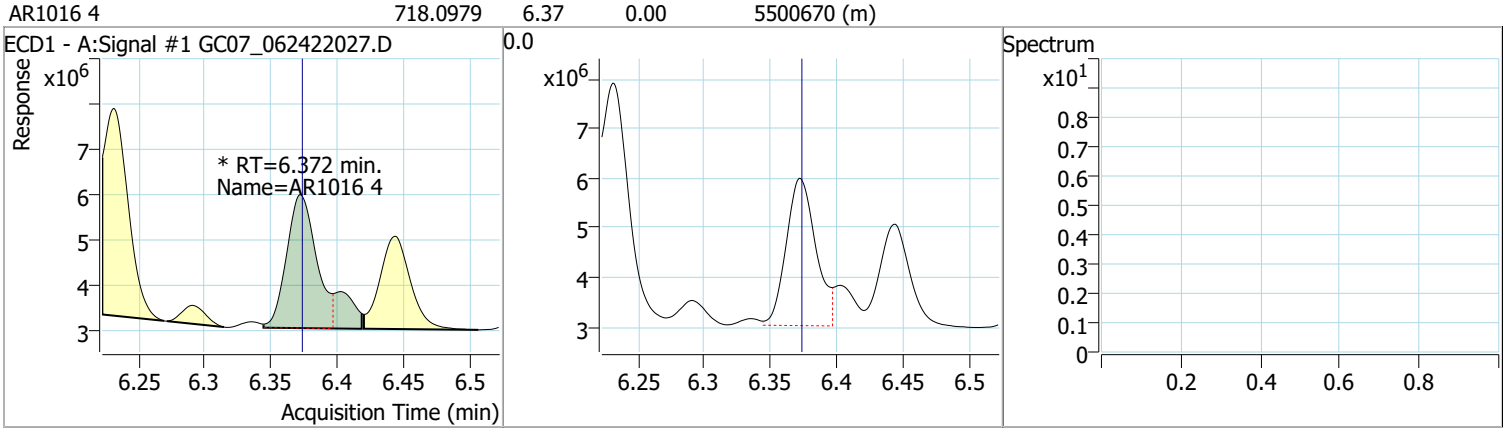
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	706.6821	6.23	0.00	7527661				



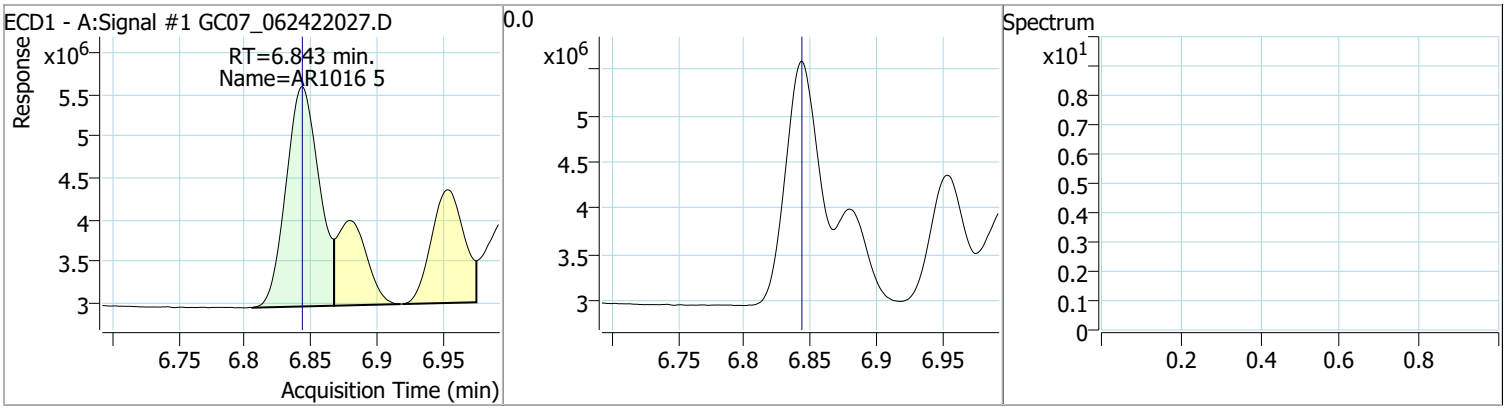
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	726.4210	6.34	0.00	1843224				



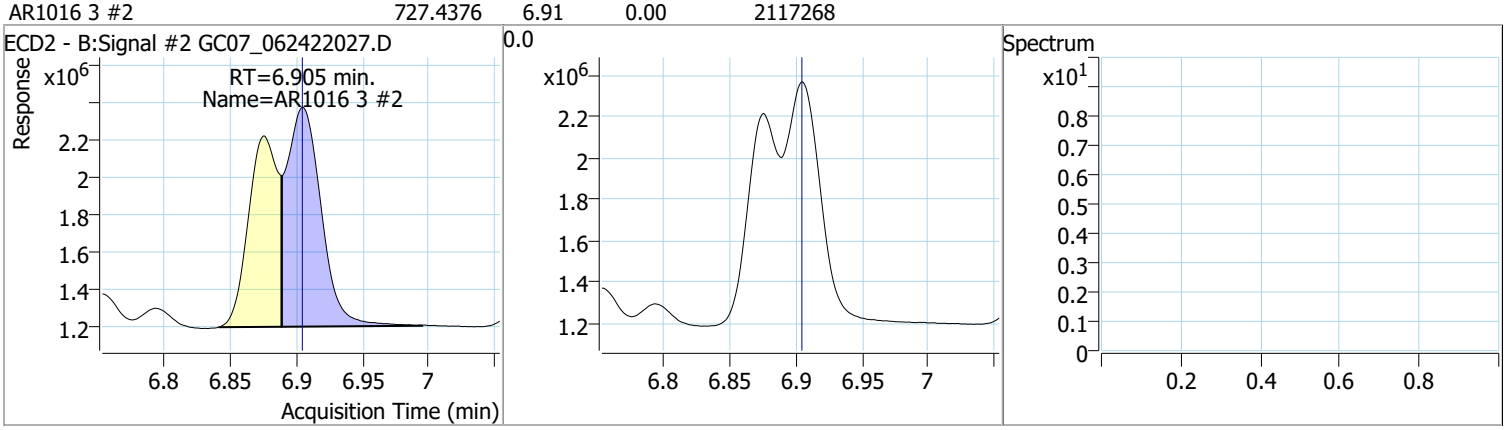
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	718.0979	6.37	0.00	5500670 (m)				



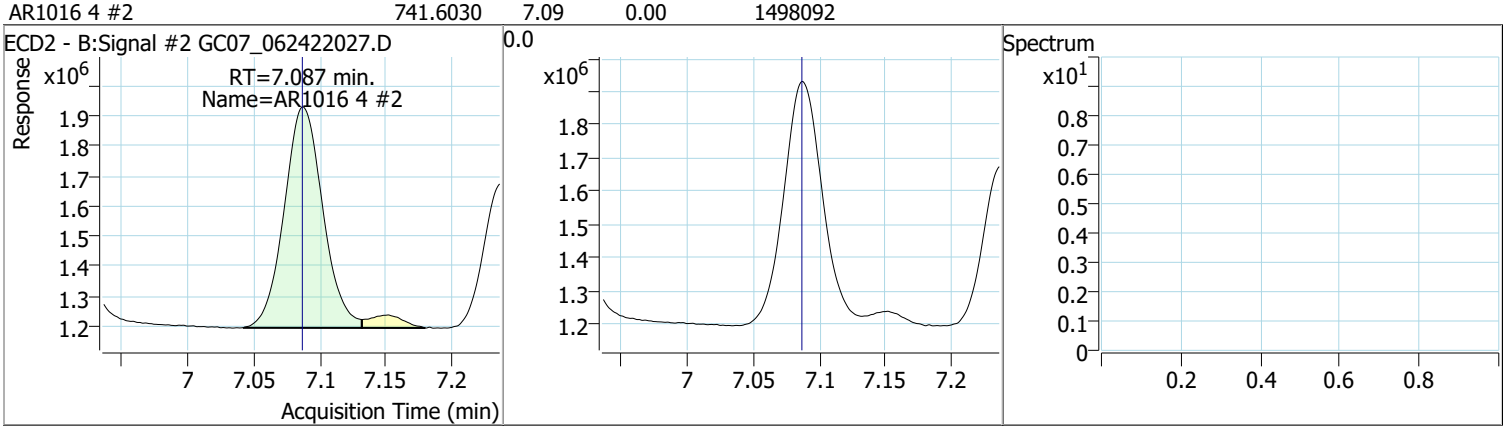
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	717.1436	6.84	0.00	4575781				



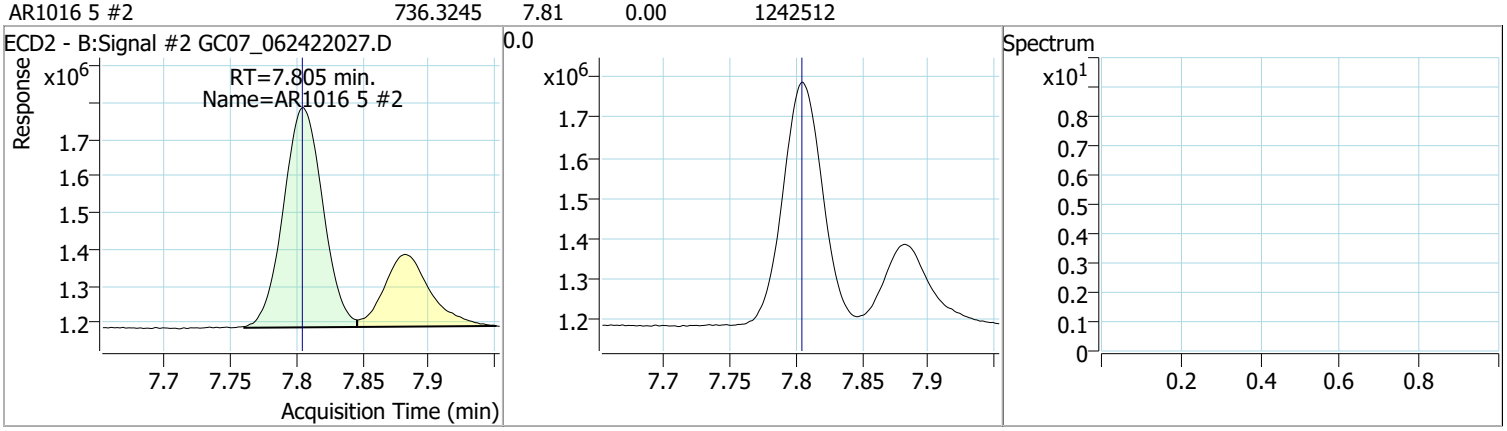
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	727.4376	6.91	0.00	2117268				



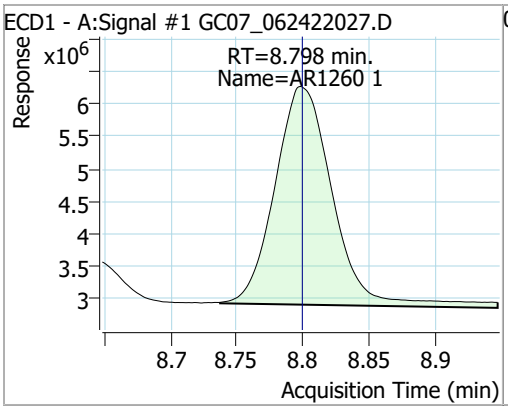
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	741.6030	7.09	0.00	1498092				

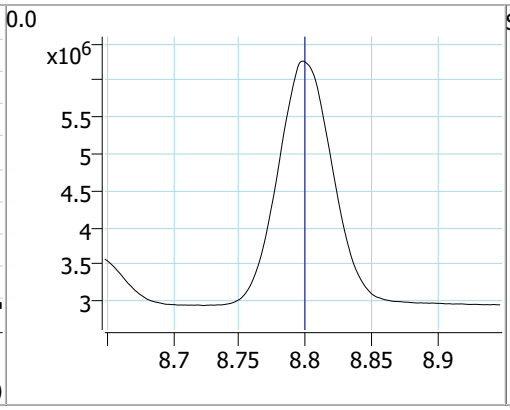


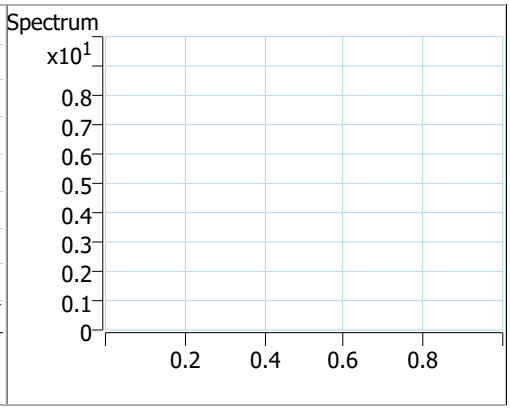
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	736.3245	7.81	0.00	1242512				



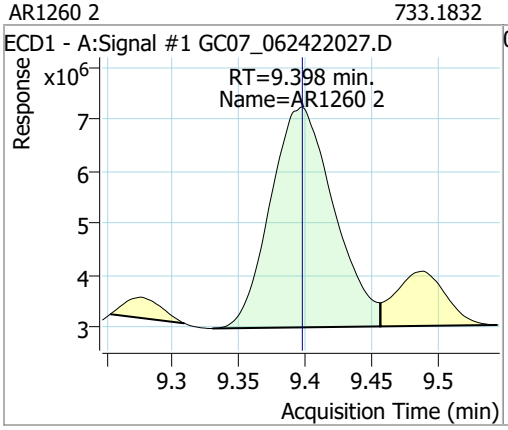
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	761.1569	8.80	0.00	10255962				

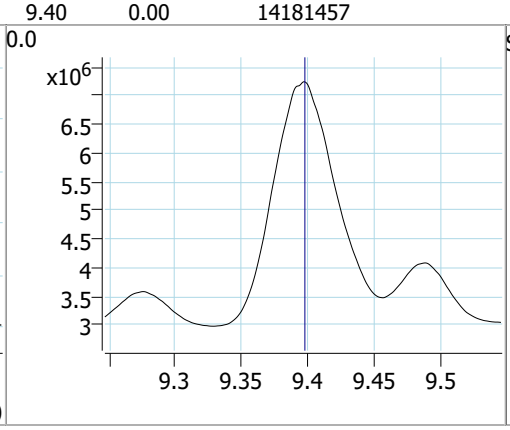


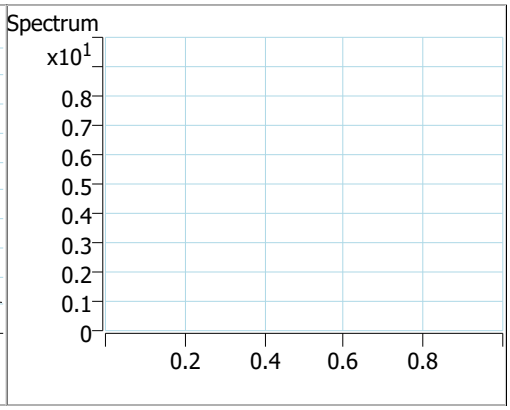




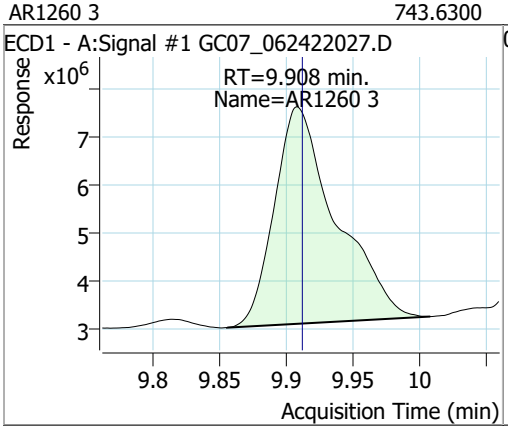
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	733.1832	9.40	0.00	14181457				

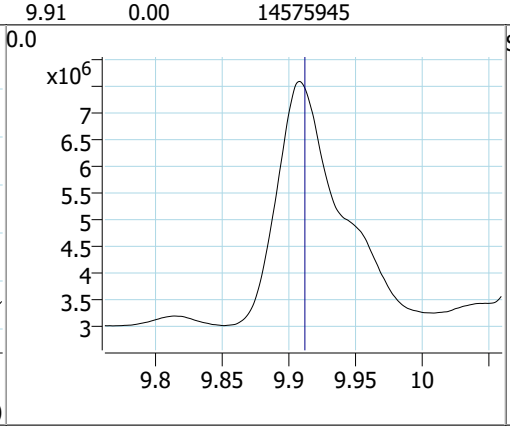


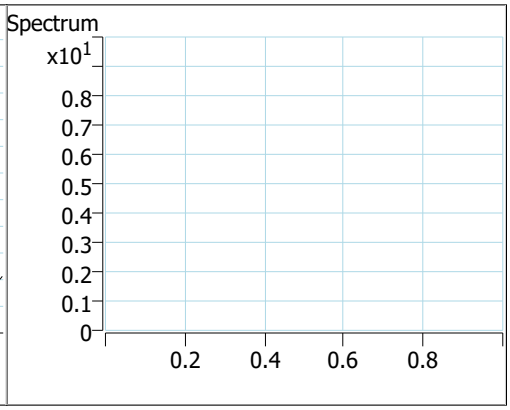




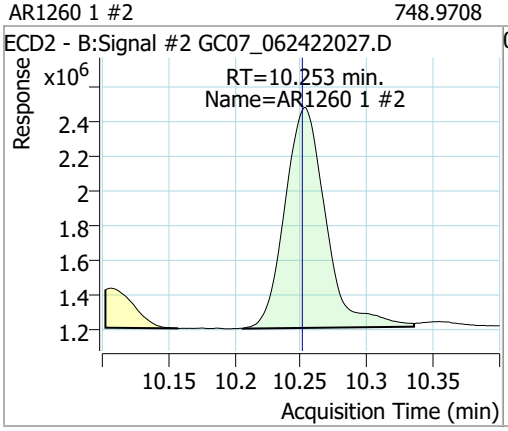
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	743.6300	9.91	0.00	14575945				

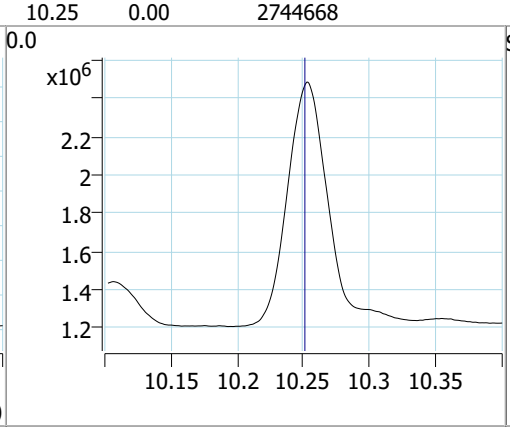


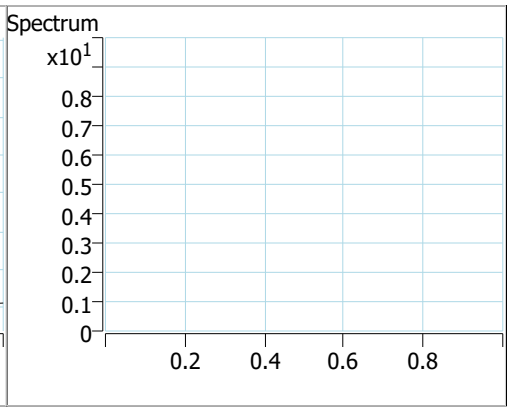




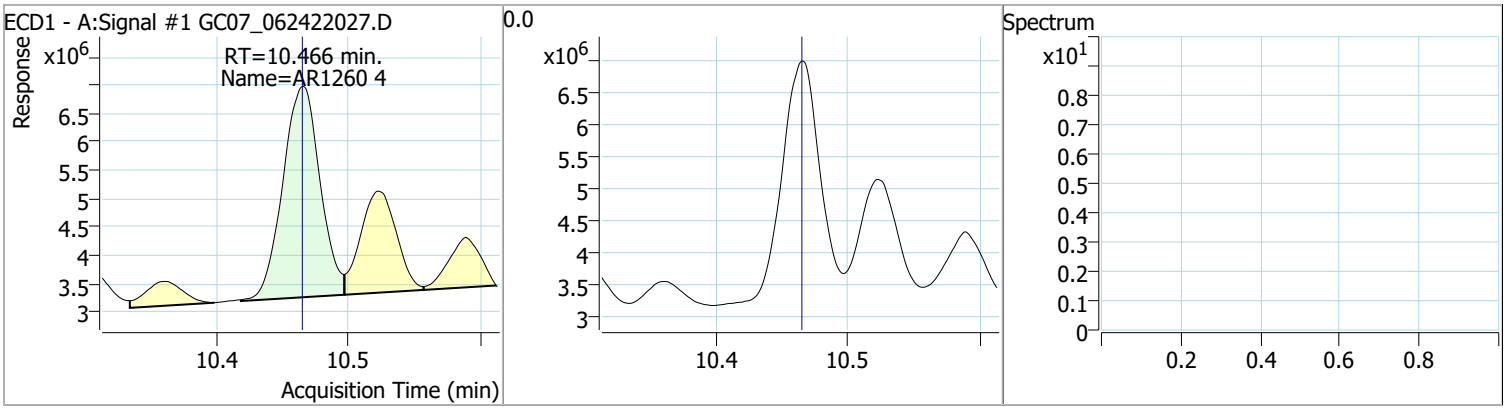
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	748.9708	10.25	0.00	2744668				



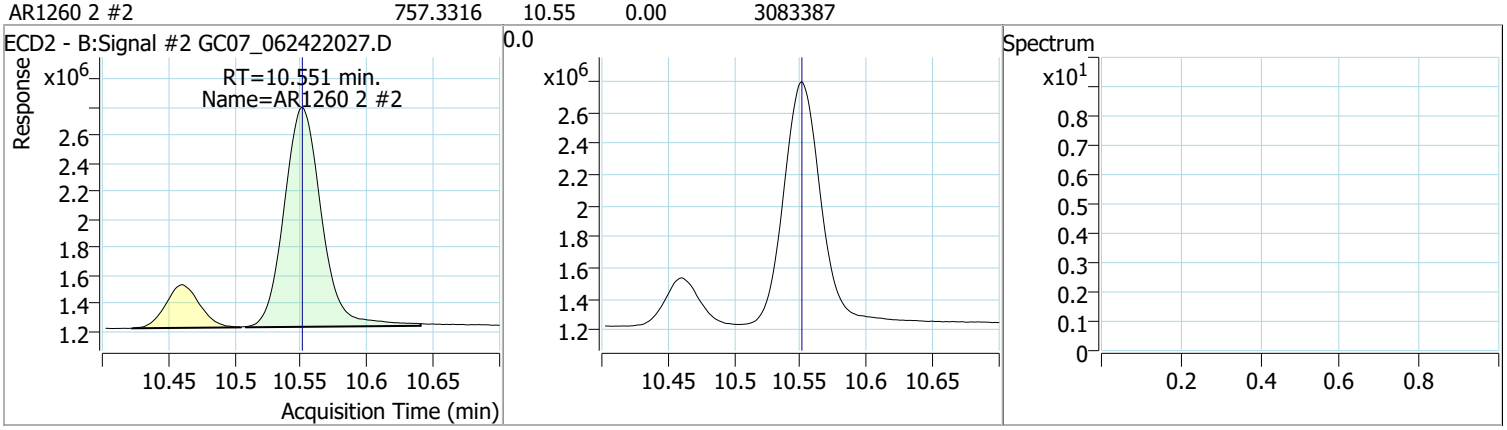




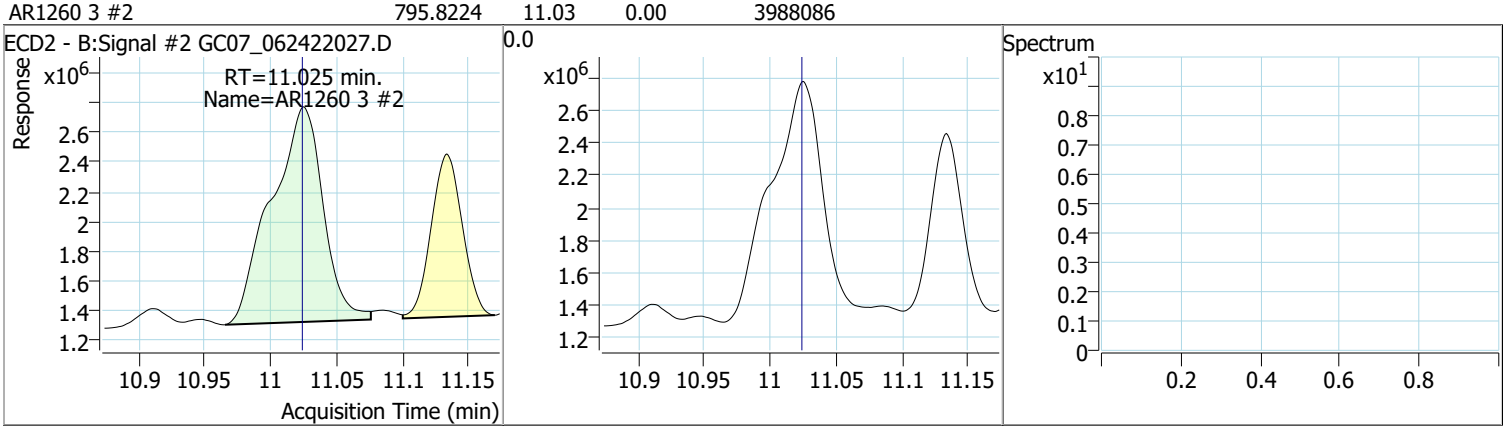
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	729.0352	10.47	0.00	7305101				



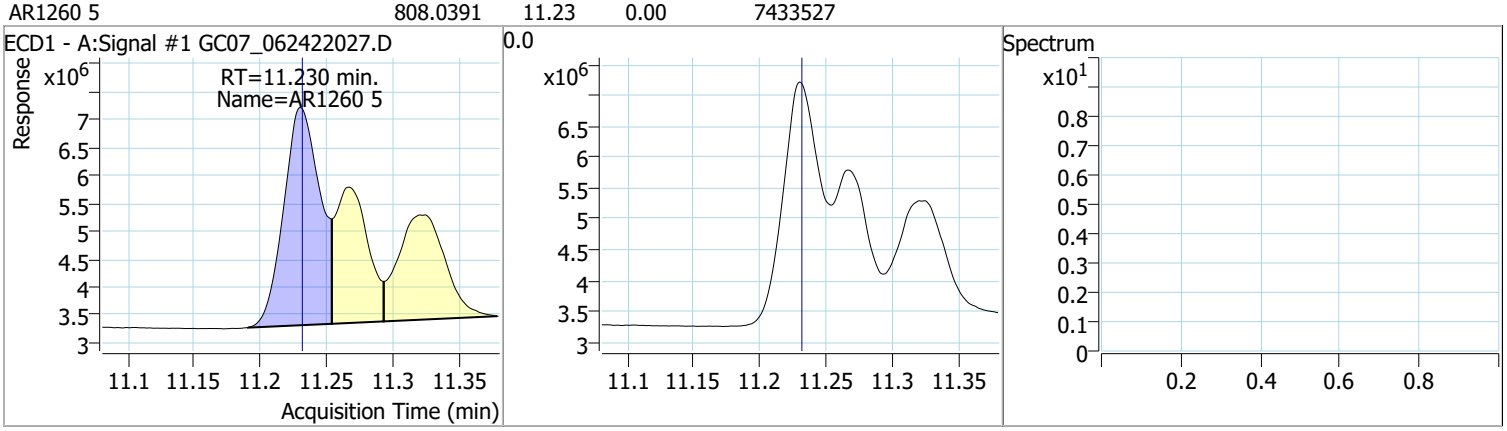
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	757.3316	10.55	0.00	3083387				



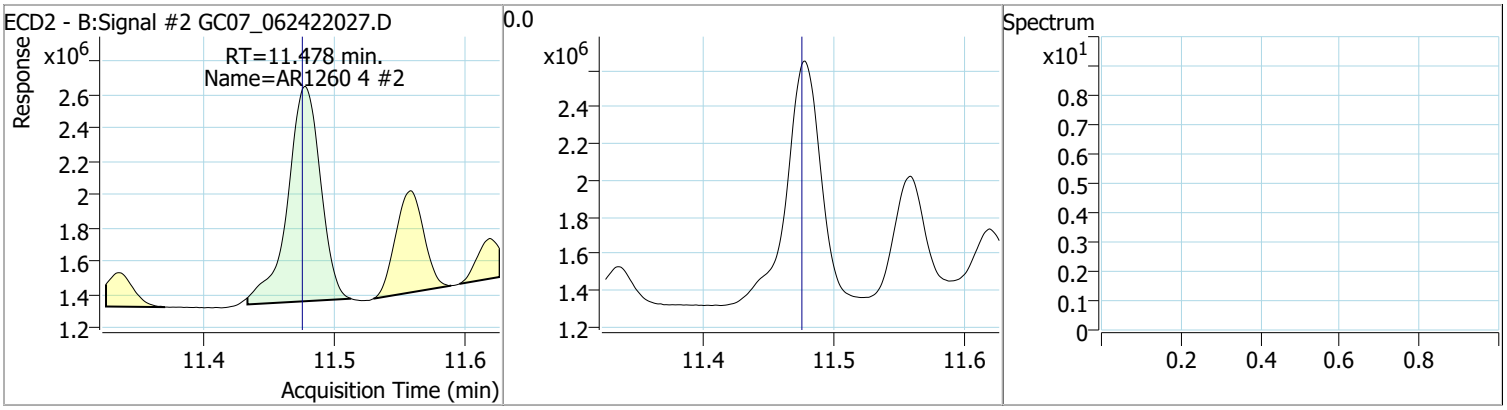
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	795.8224	11.03	0.00	3988086				



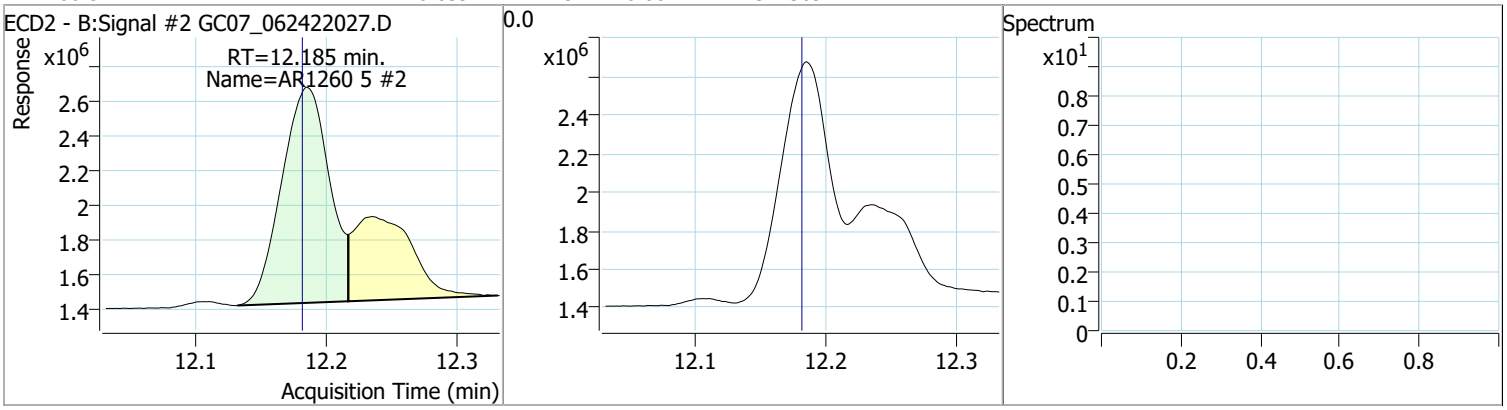
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	808.0391	11.23	0.00	7433527				



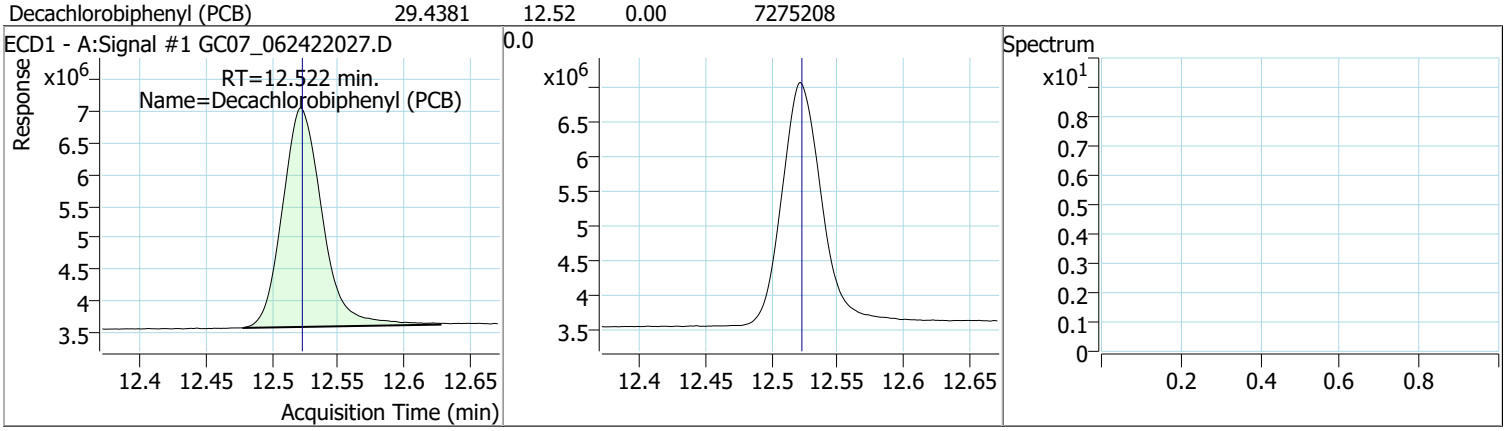
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	798.3797	11.48	0.00	2244748				



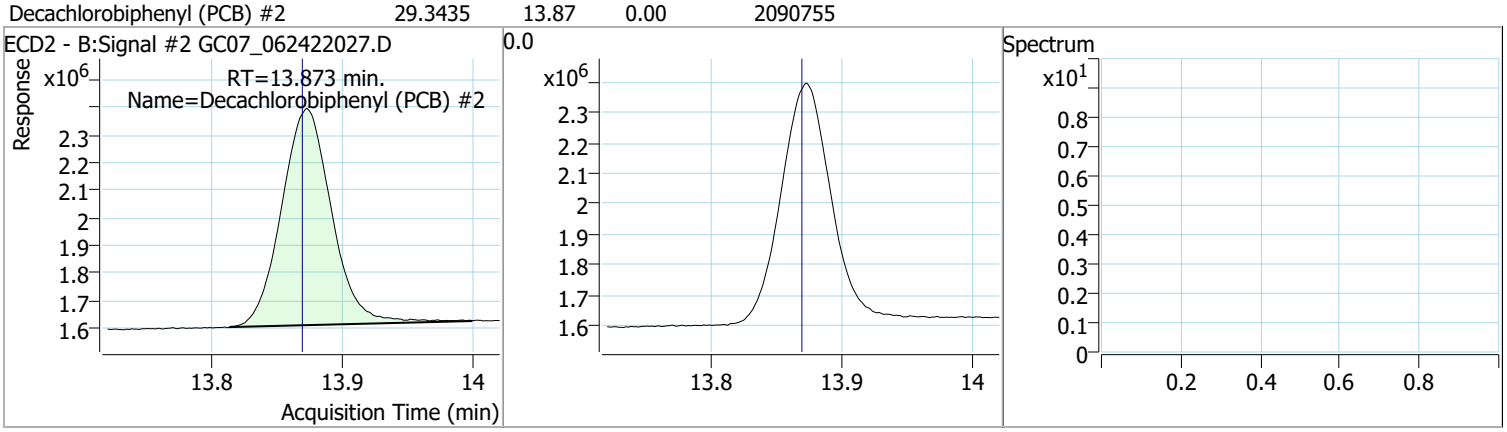
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	770.6392	12.19	0.00	3113694				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	29.4381	12.52	0.00	7275208				

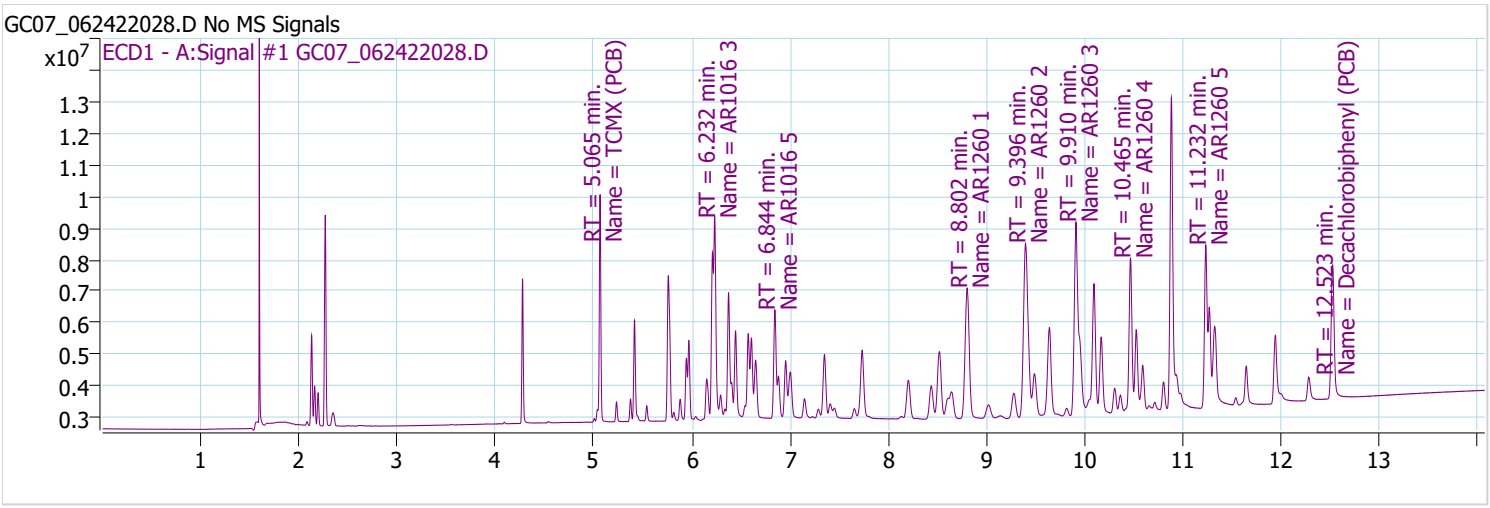


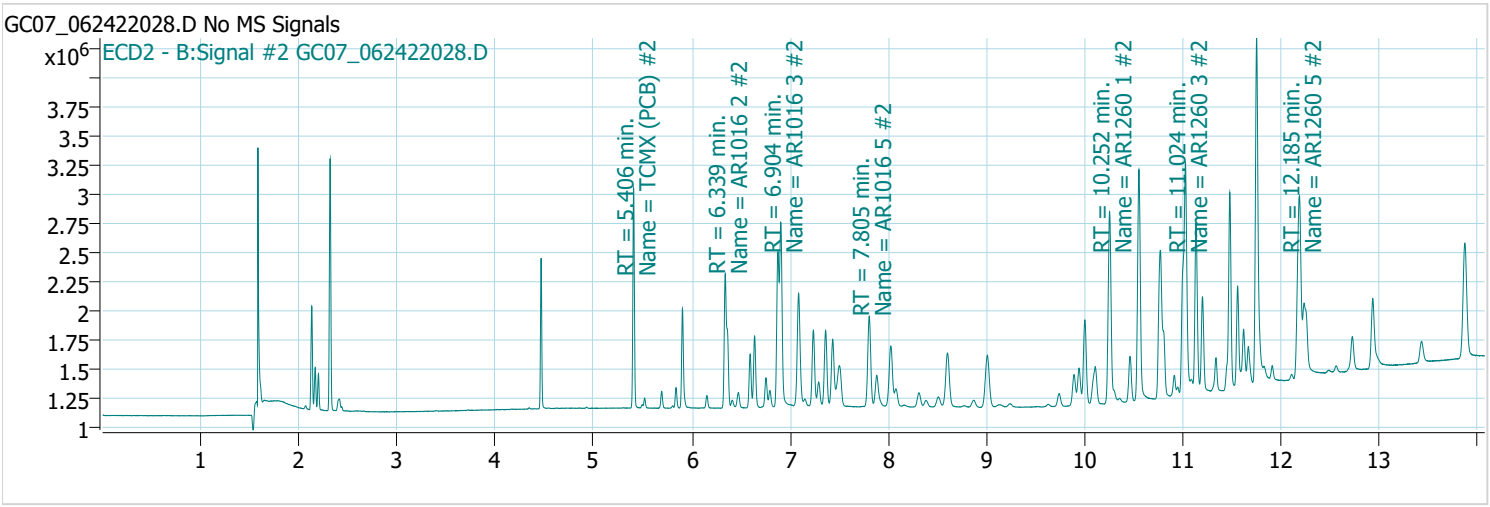
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	29.3435	13.87	0.00	2090755				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422028.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 2:24:39 AM
Sample Name	ICAL,S16726, 2	Instrument	SVOA-GC07
Vial	17	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	1000 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



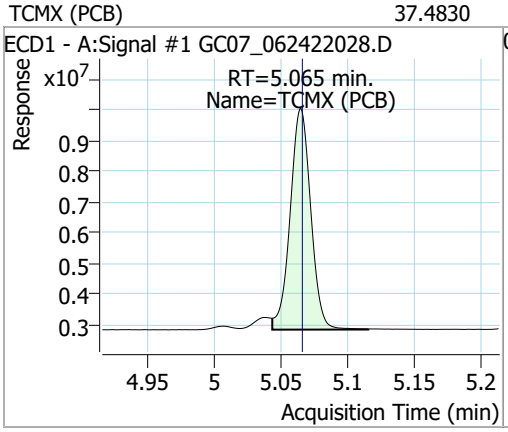


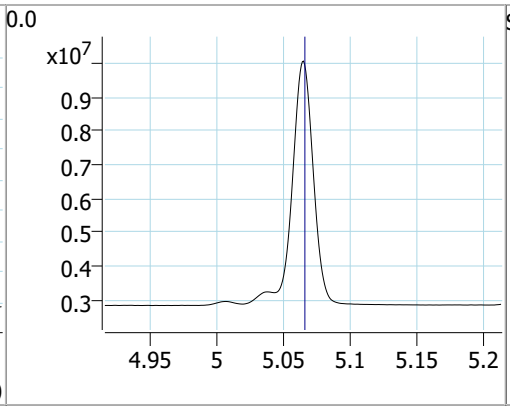
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.276	0.0	4420132.200	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.464	0.0	1163922.916	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.065	0.0	7814286.580	37.4830	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.41%		*	
S TCMX (PCB) #2	5.406	0.0	2078088.887	39.3414	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 196.71%		*	
S Decachlorobiphenyl (PCB)	12.523	0.0	9259543.832	37.5011	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.51%		*	
S Decachlorobiphenyl (PCB) #2	13.869	0.0	2692099.834	37.5620	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.81%		*	
Target Compounds							QValue

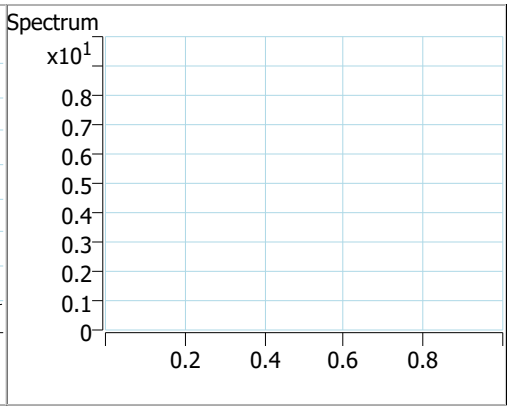
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.415	0.0	3880009.754	914.9861	ng/ml	m	100
T AR1016 2	5.759	0.0	8231794.671	895.6786	ng/ml		100
T AR1016 1 #2	5.903	0.0	1120598.473	956.0373	ng/ml		100
T AR1016 3	6.232	0.0	9798395.587	920.6810	ng/ml		100
T AR1016 2 #2	6.339	0.0	2406093.208	942.6971	ng/ml		100
T AR1016 4	6.373	0.0	7134338.585	932.2062	ng/ml		100
T AR1016 5	6.844	0.0	5906325.814	926.5065	ng/ml		100
T AR1016 3 #2	6.904	0.0	2789498.032	952.7862	ng/ml		100
T AR1016 4 #2	7.086	0.0	1980909.335	974.8710	ng/ml		100
T AR1016 5 #2	7.805	0.0	1634772.757	963.1093	ng/ml		100
T AR1260 1	8.802	0.0	12151492.682	902.6463	ng/ml		100
T AR1260 2	9.396	0.0	18030089.728	932.9958	ng/ml		100
T AR1260 3	9.910	0.0	18640207.223	951.8337	ng/ml		100
T AR1260 1 #2	10.252	0.0	3522414.927	955.5756	ng/ml		100
T AR1260 4	10.465	0.0	9235324.184	922.4963	ng/ml		100
T AR1260 2 #2	10.551	0.0	3921213.965	957.4764	ng/ml		100
T AR1260 3 #2	11.024	0.0	5095147.262	1010.7830	ng/ml		100
T AR1260 5	11.232	0.0	9455583.328	1028.7645	ng/ml		100
T AR1260 4 #2	11.476	0.0	2768819.775	979.0076	ng/ml		100
T AR1260 5 #2	12.185	0.0	3988409.501	981.3511	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

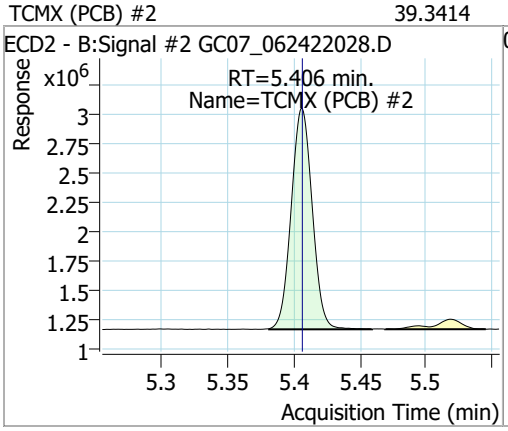
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	37.4830	5.07	0.00	7814287				

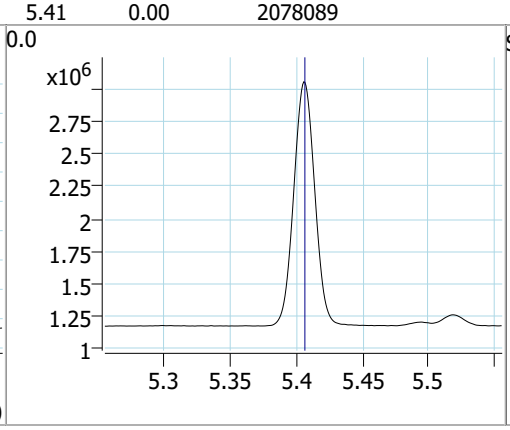


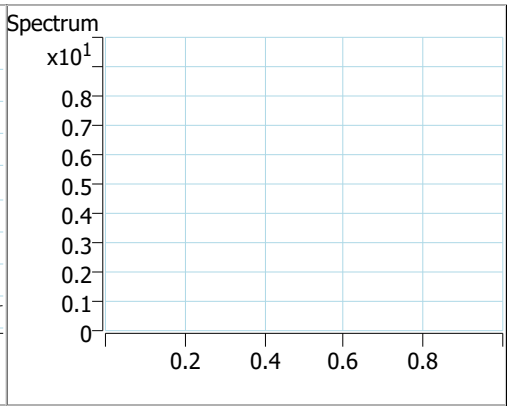




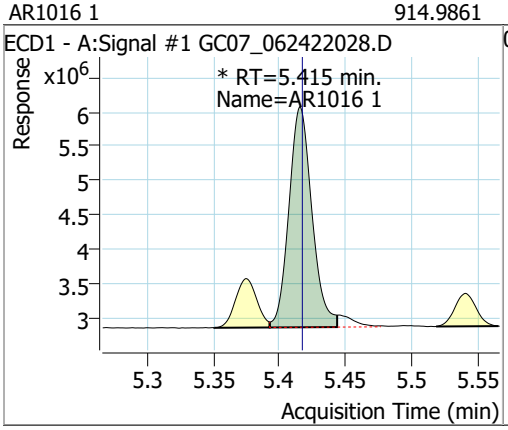
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	39.3414	5.41	0.00	2078089				

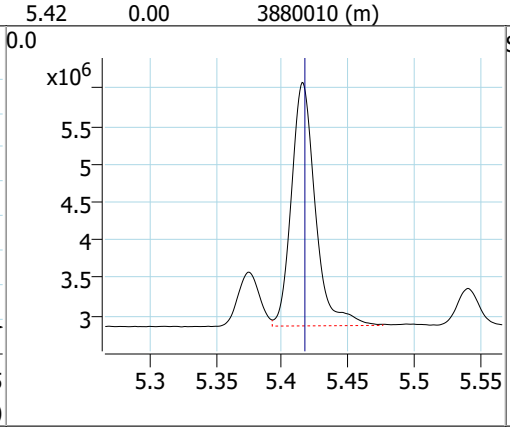


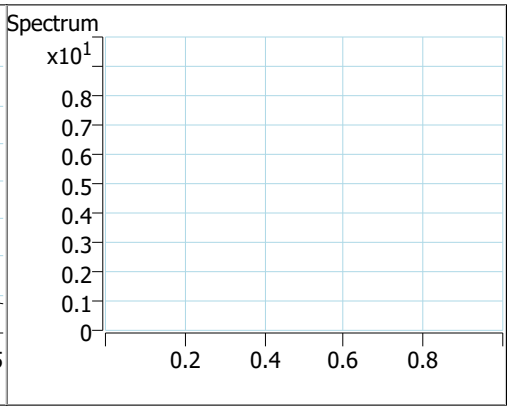




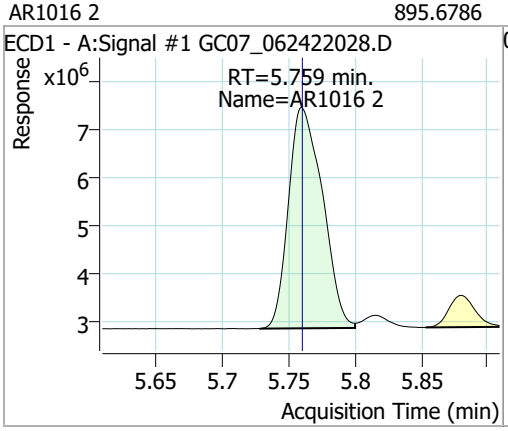
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	914.9861	5.42	0.00	3880010 (m)				

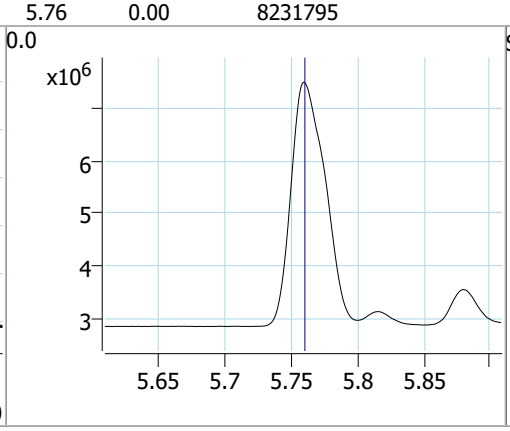


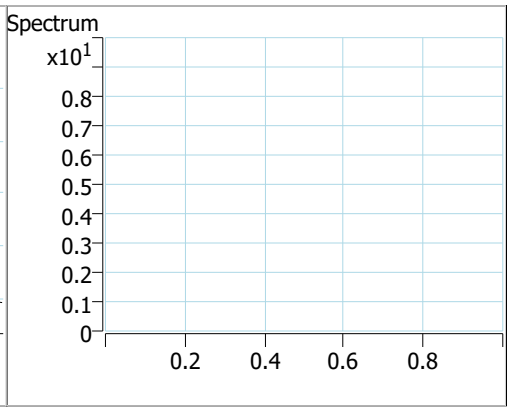




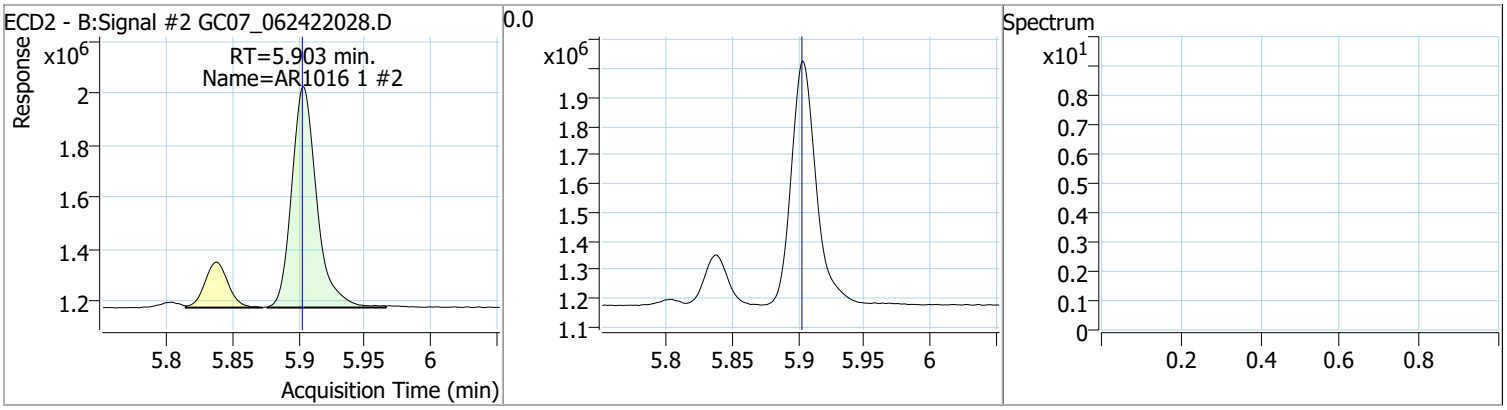
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	895.6786	5.76	0.00	8231795				



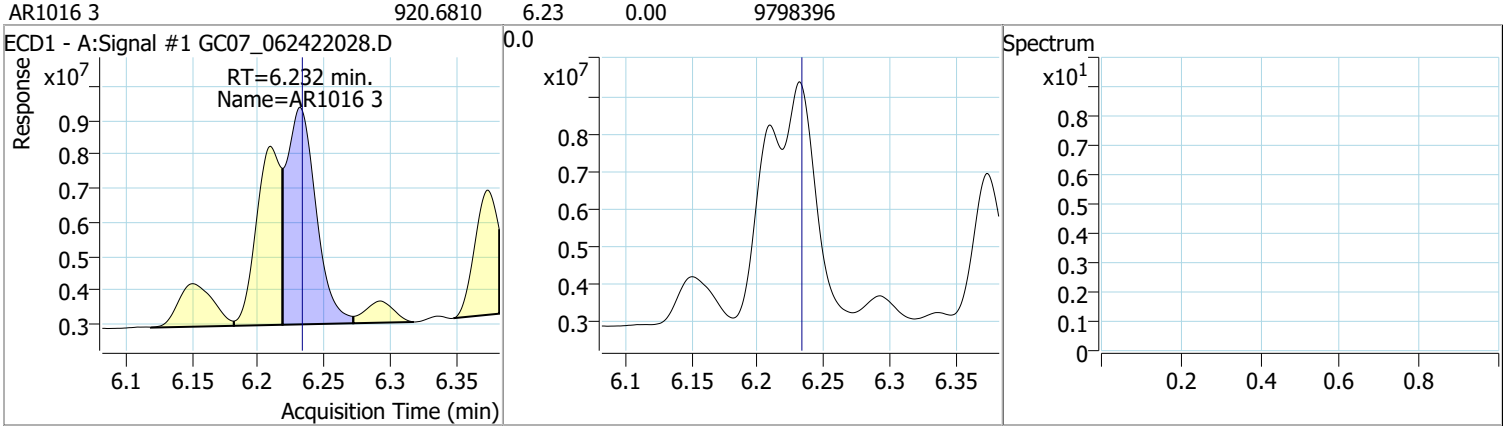




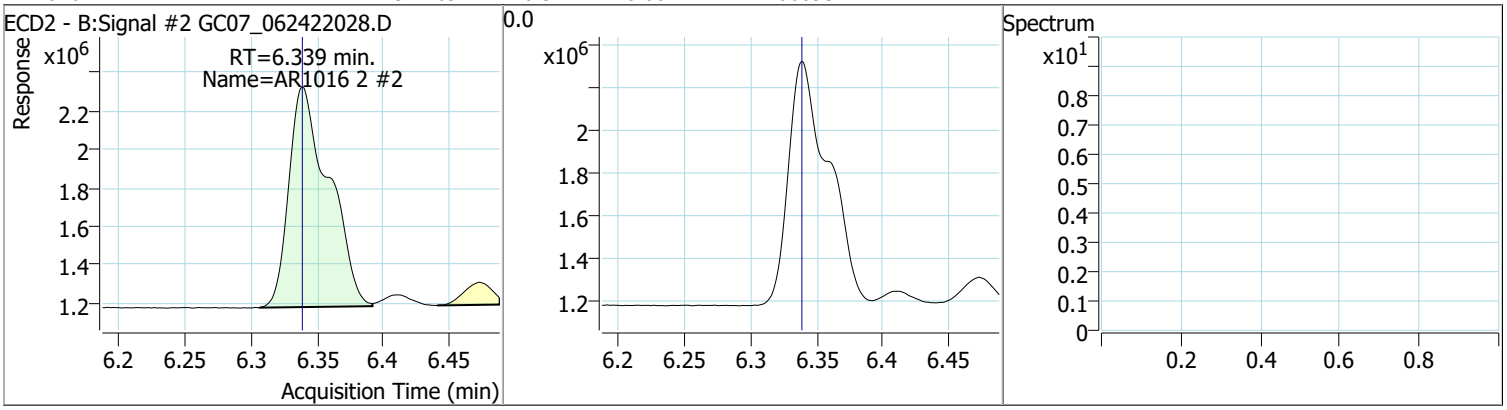
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	956.0373	5.90	0.00	1120598				



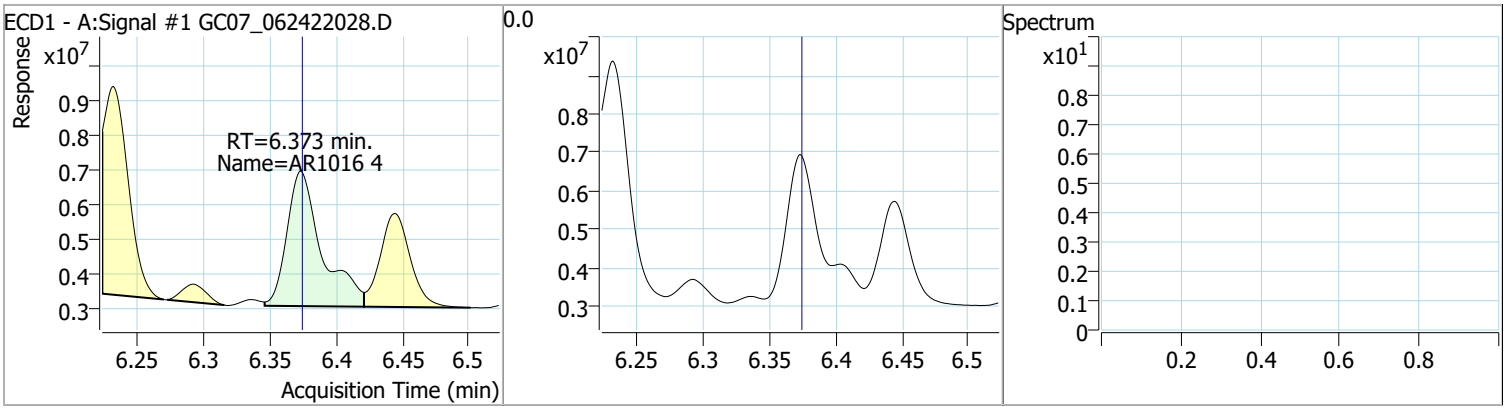
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	920.6810	6.23	0.00	9798396				



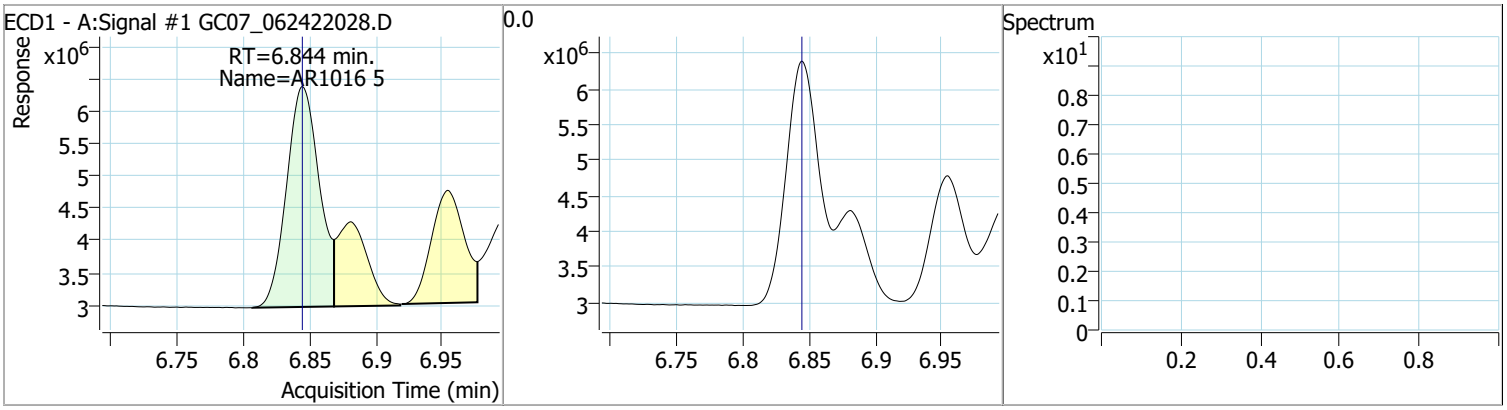
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	942.6971	6.34	0.00	2406093				



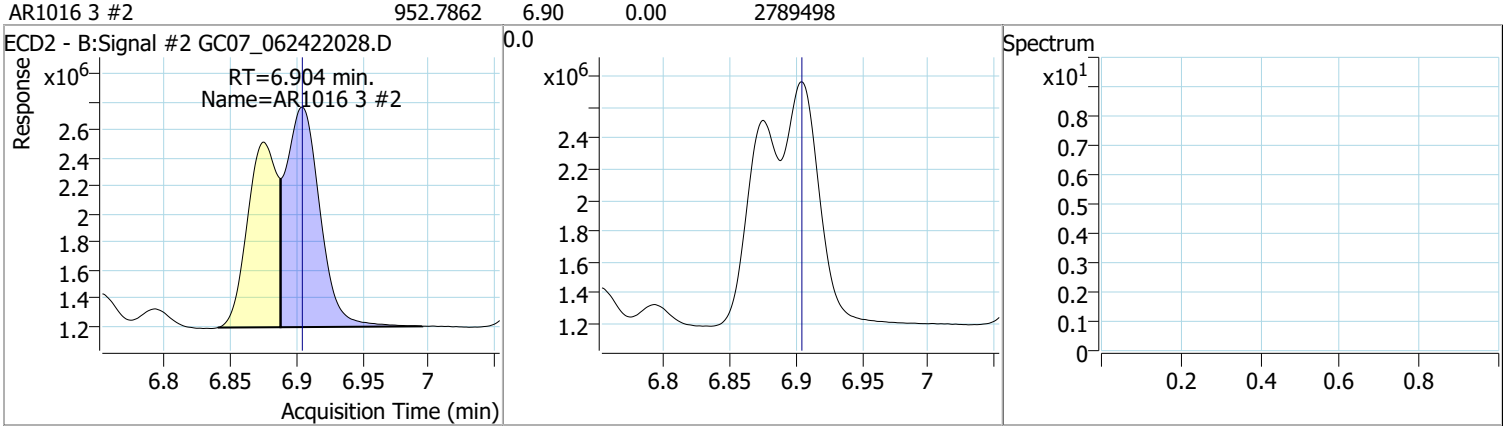
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	932.2062	6.37	0.00	7134339				



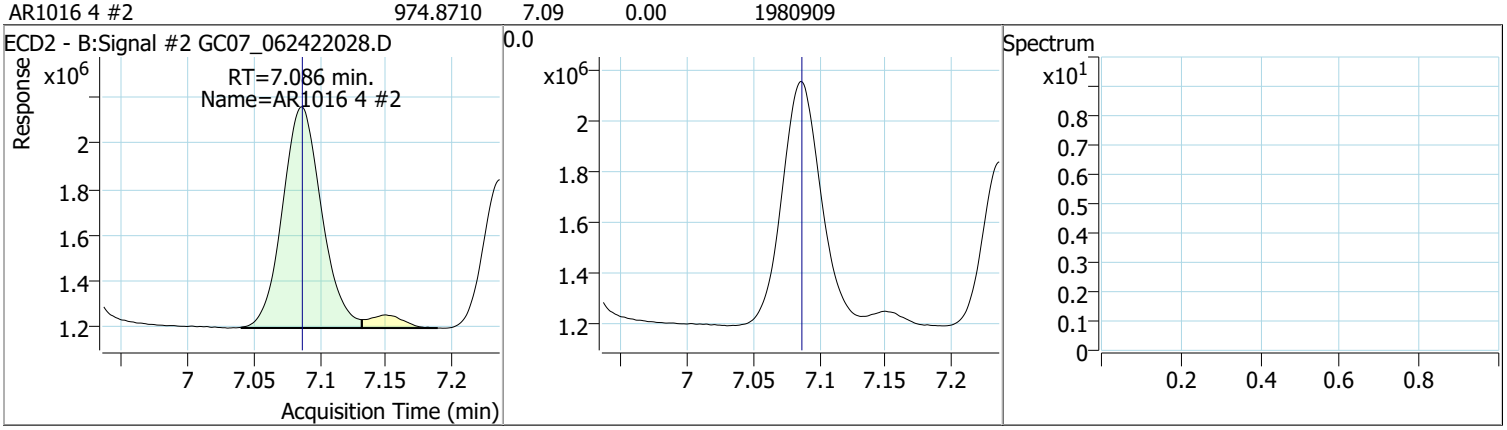
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	926.5065	6.84	0.00	5906326				



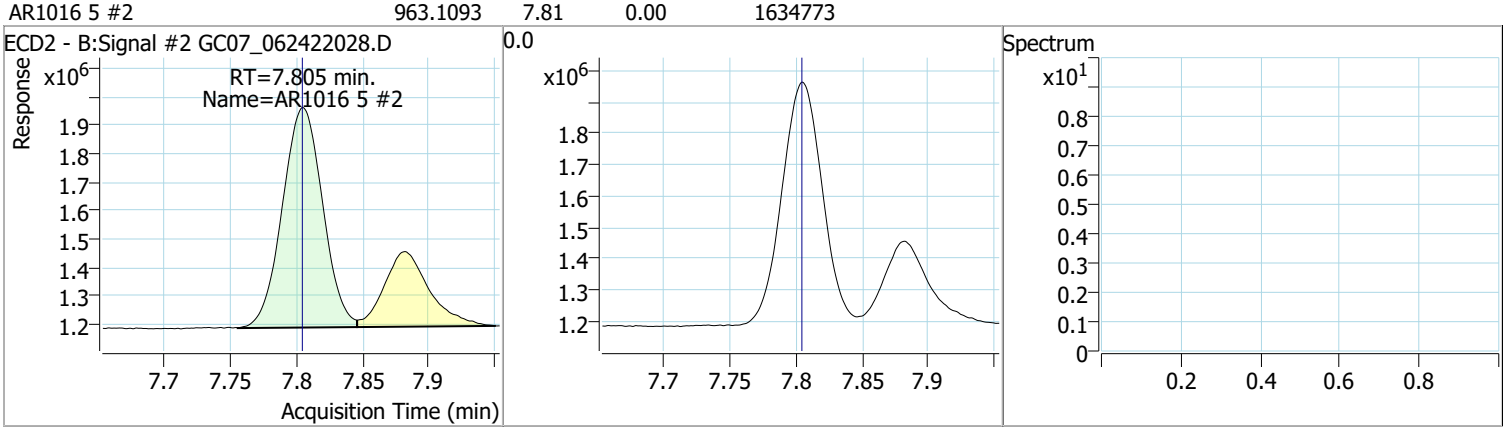
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	952.7862	6.90	0.00	2789498				



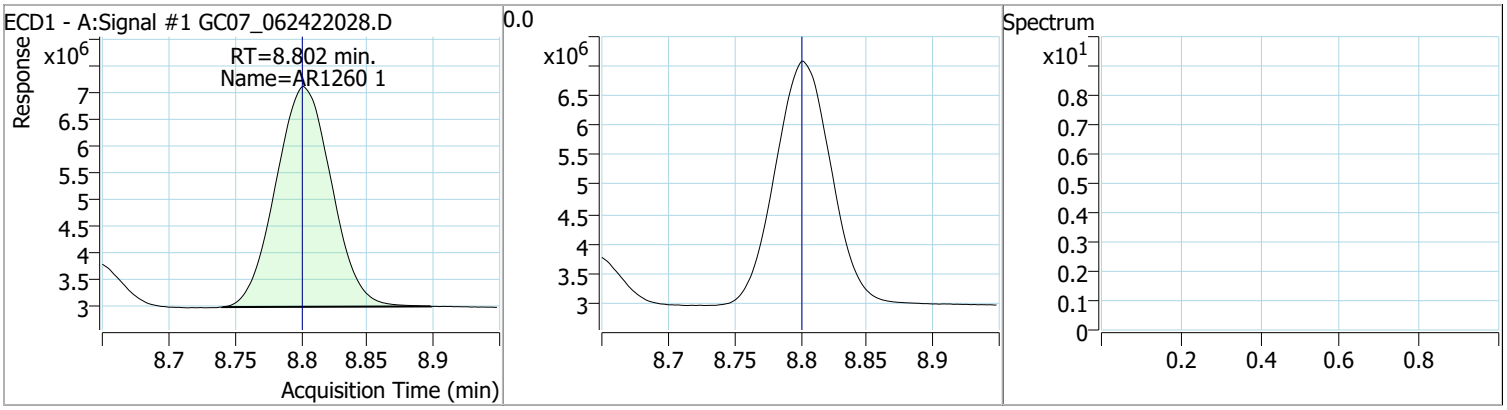
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	974.8710	7.09	0.00	1980909				



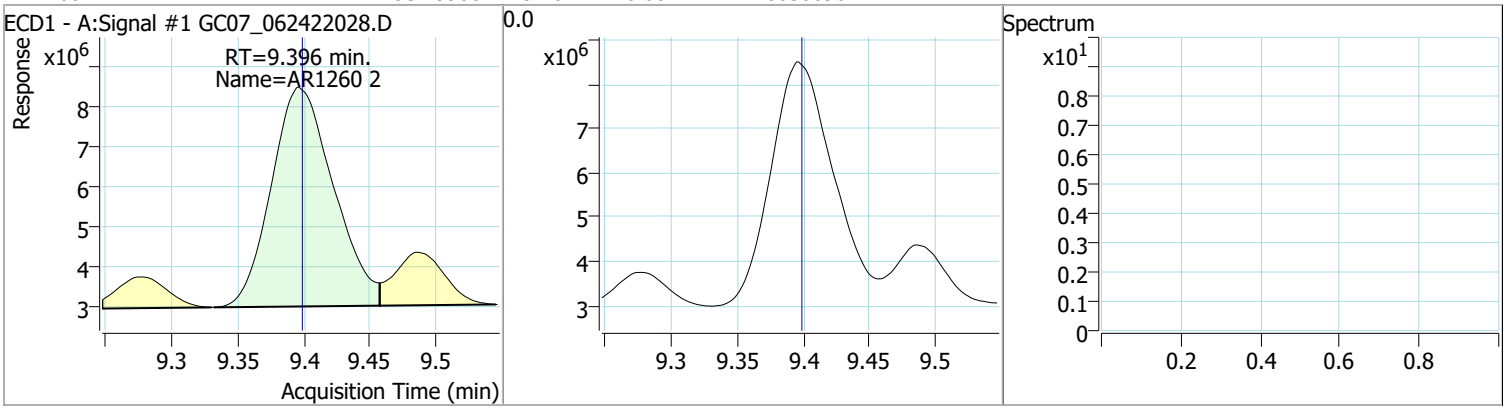
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	963.1093	7.81	0.00	1634773				



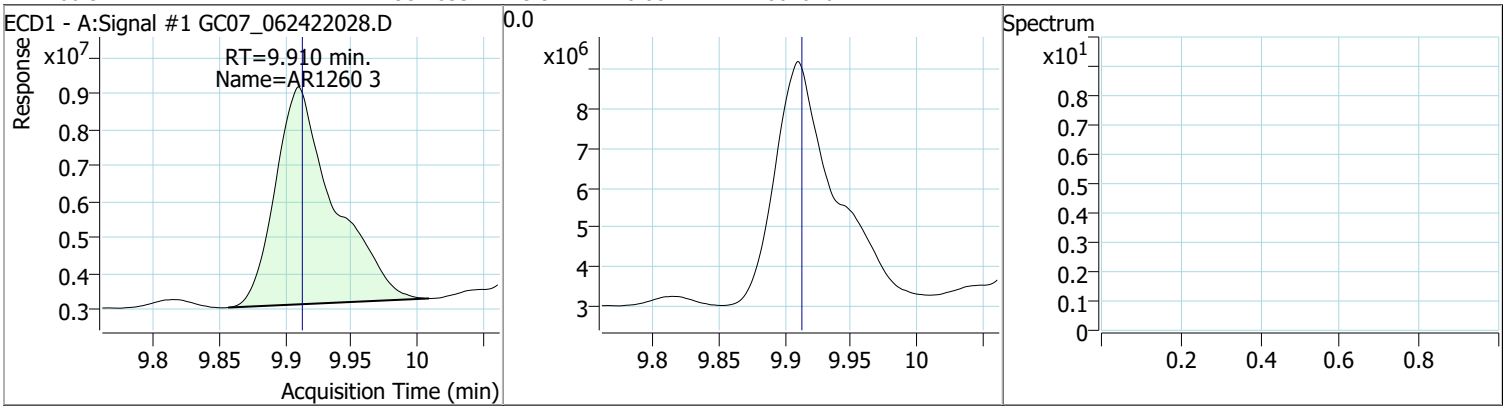
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	902.6463	8.80	0.00	12151493				



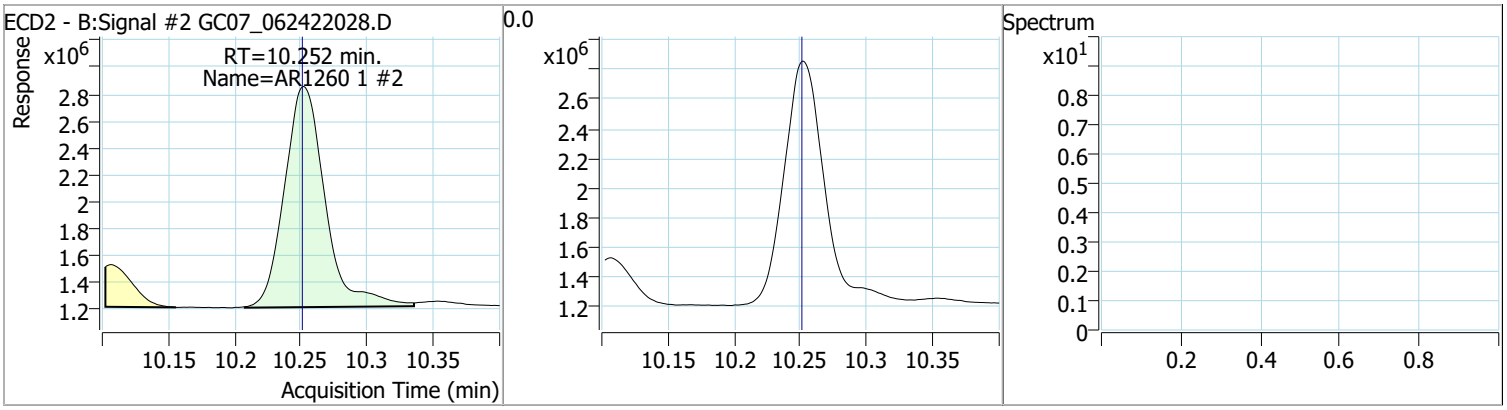
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	932.9958	9.40	0.00	18030090				



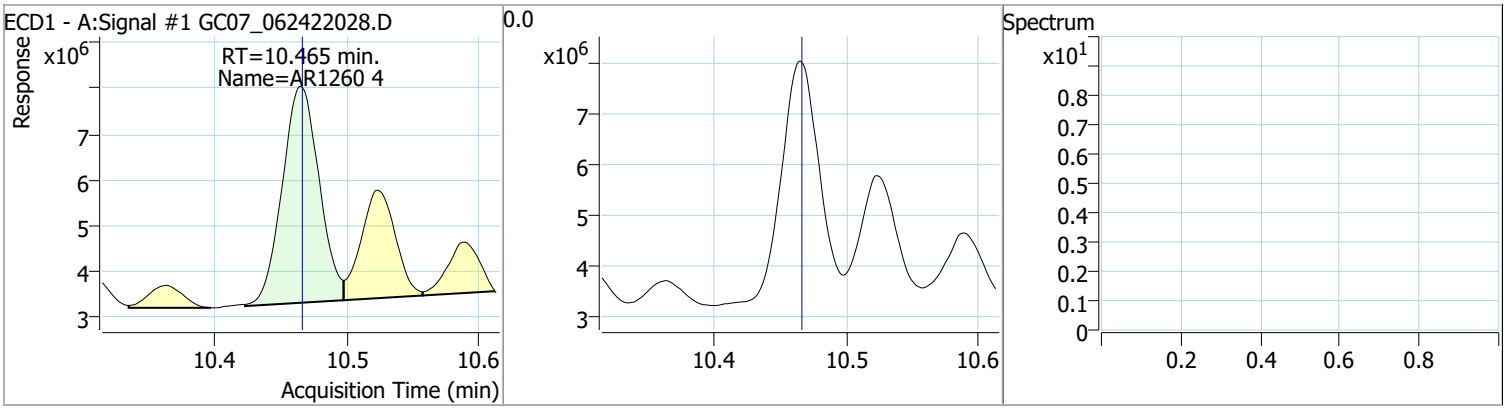
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	951.8337	9.91	0.00	18640207				



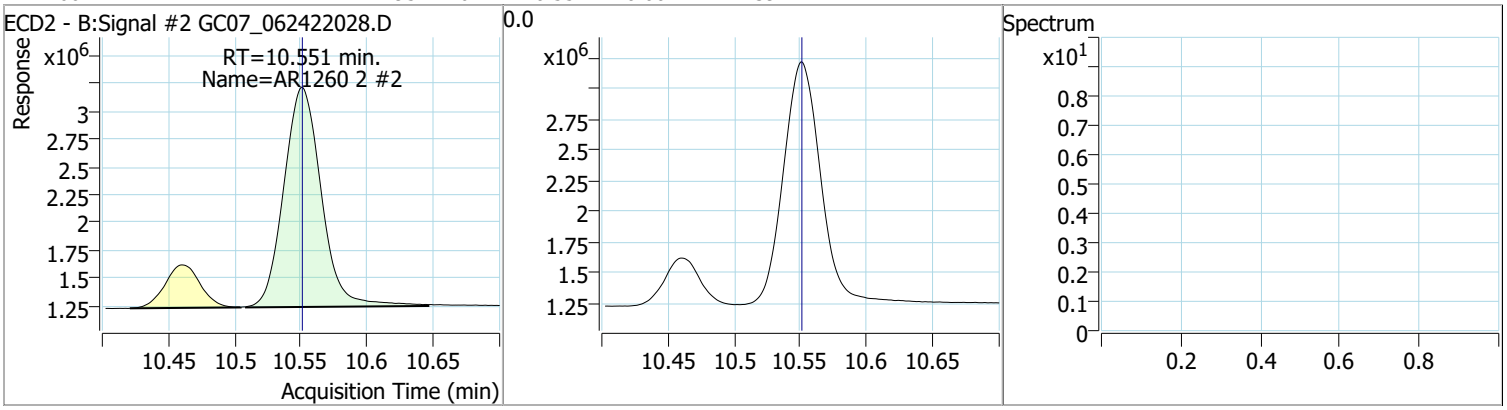
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	955.5756	10.25	0.00	3522415				



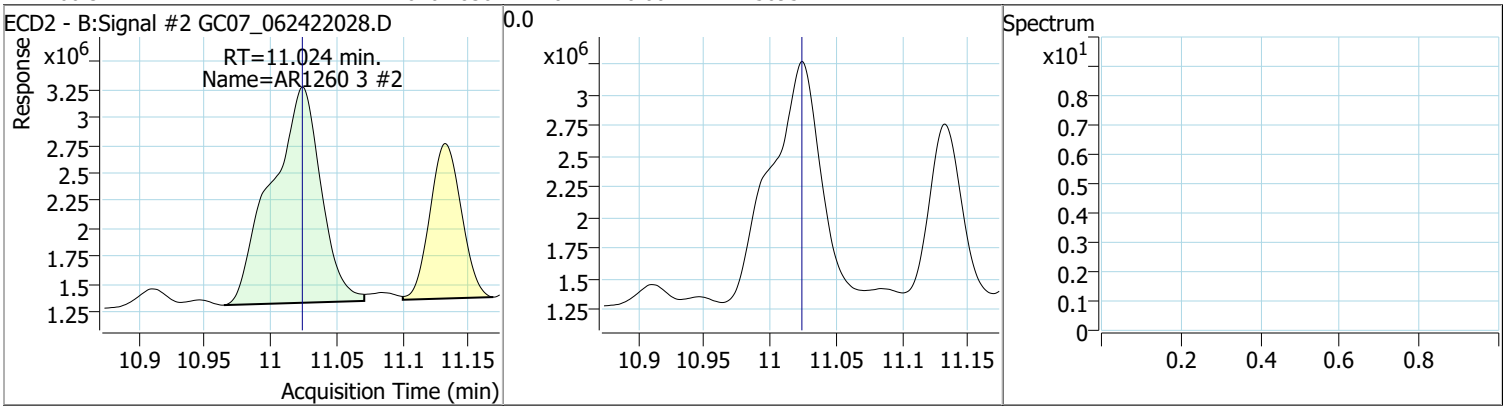
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	922.4963	10.47	0.00	9235324				



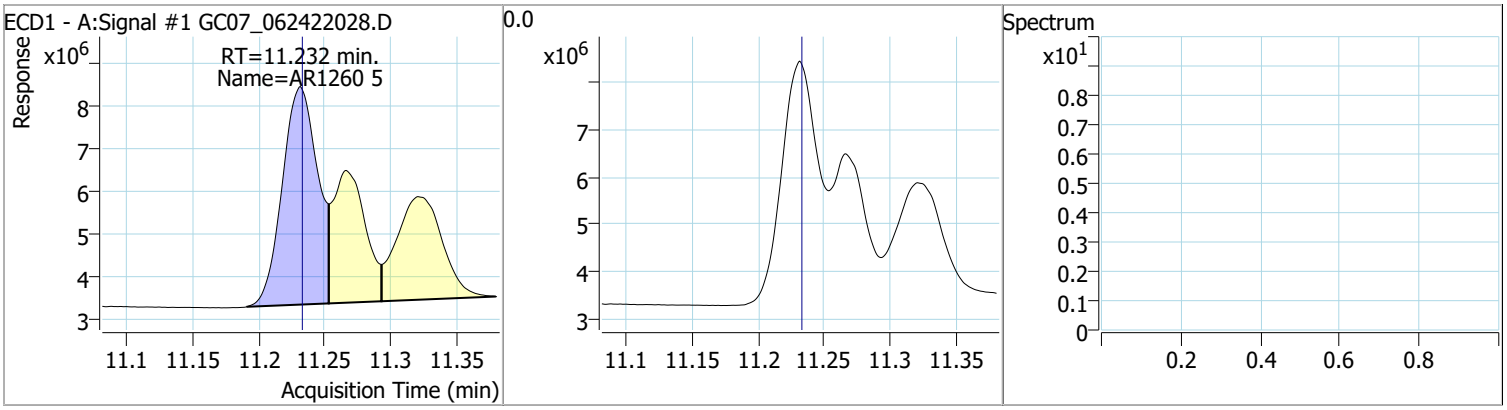
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	957.4764	10.55	0.00	3921214				



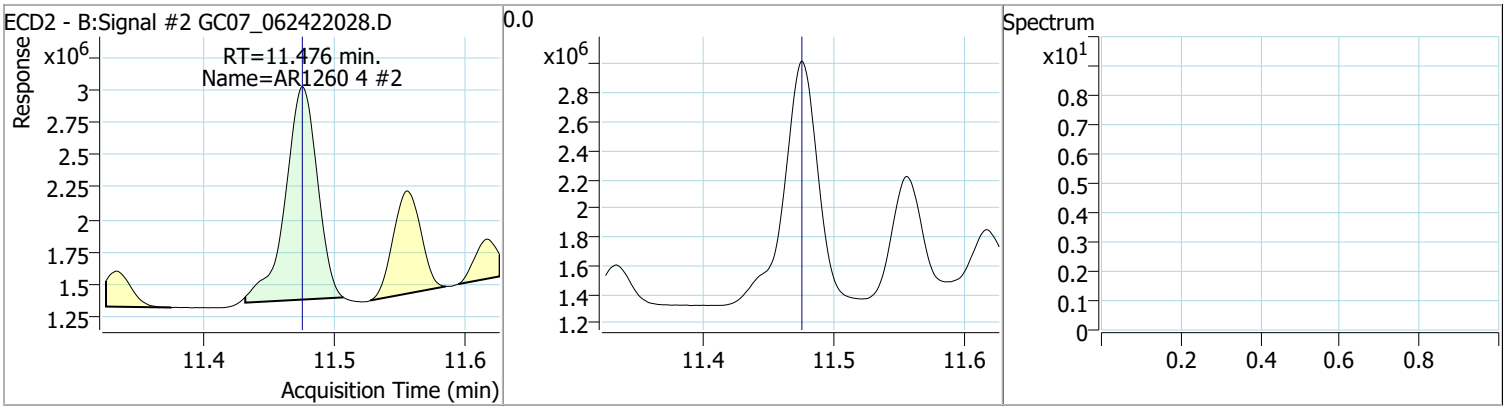
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1010.7830	11.02	0.00	5095147				



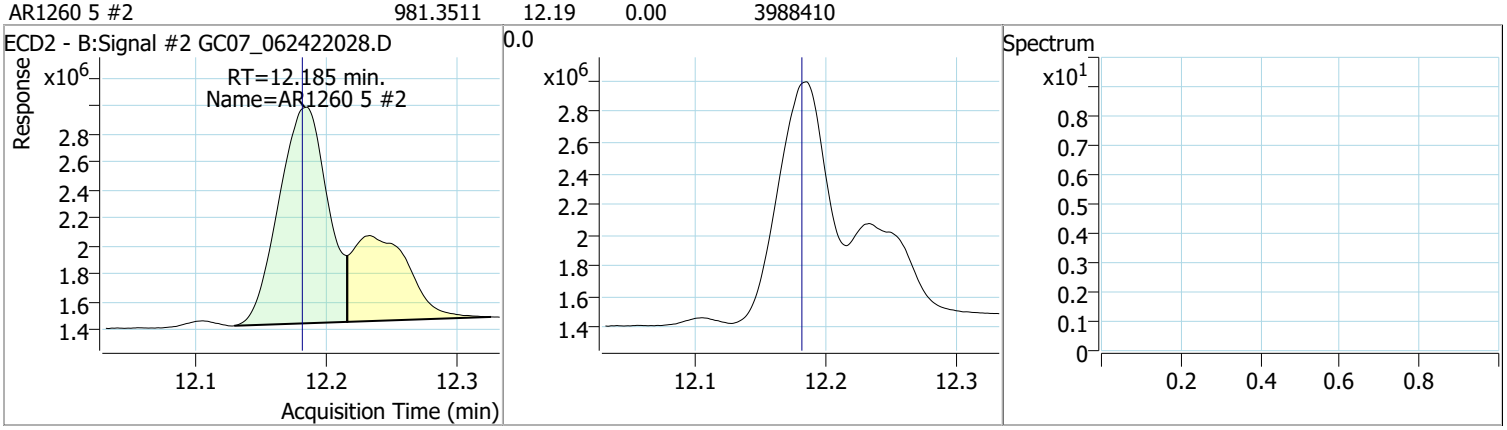
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1028.7645	11.23	0.00	9455583				



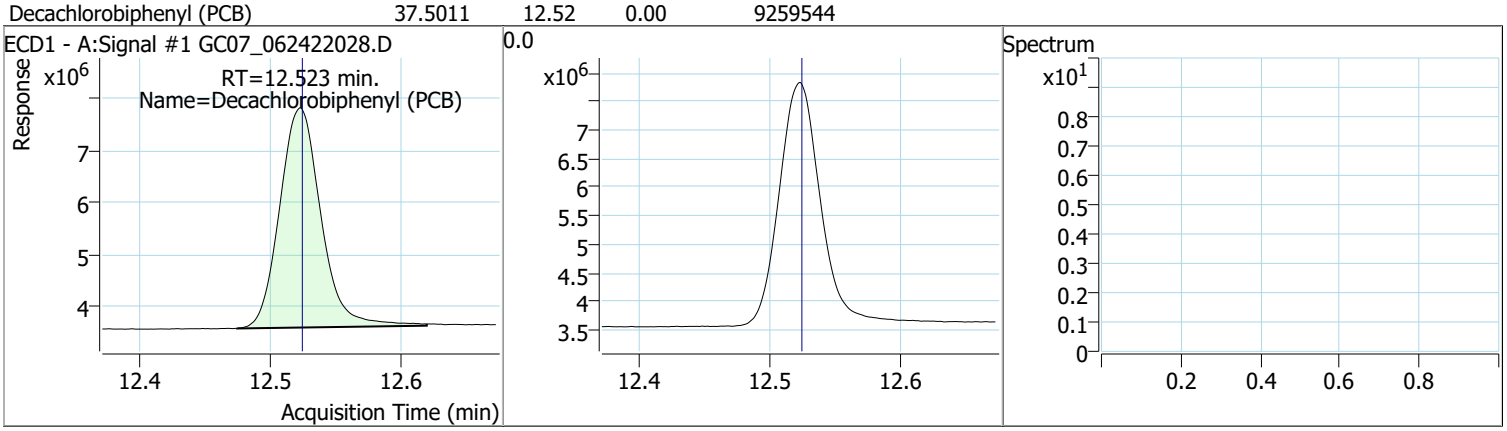
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	979.0076	11.48	0.00	2768820				



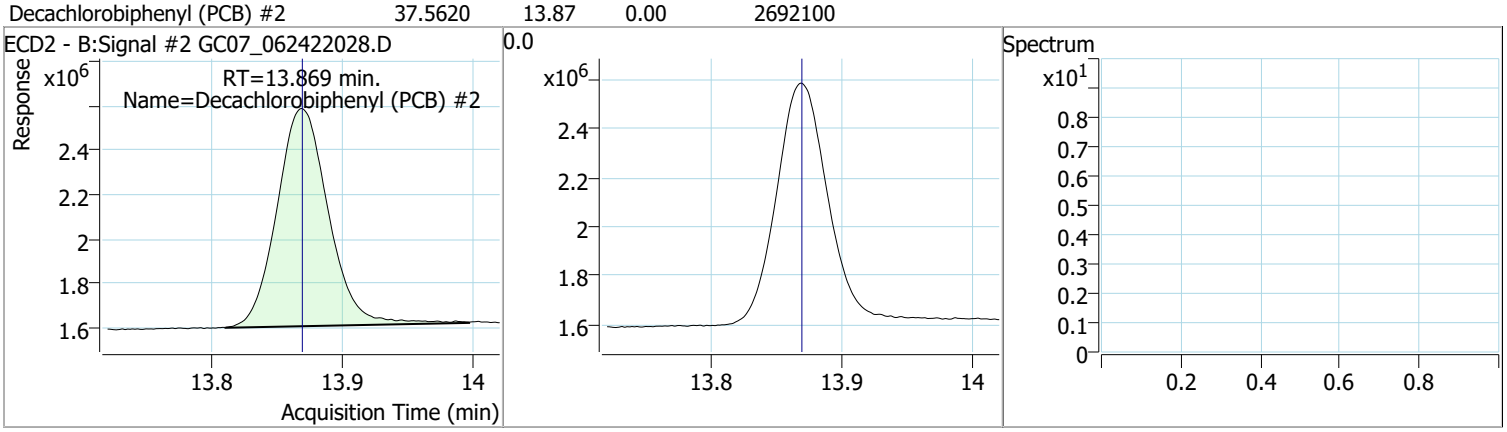
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	981.3511	12.19	0.00	3988410				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	37.5011	12.52	0.00	9259544				

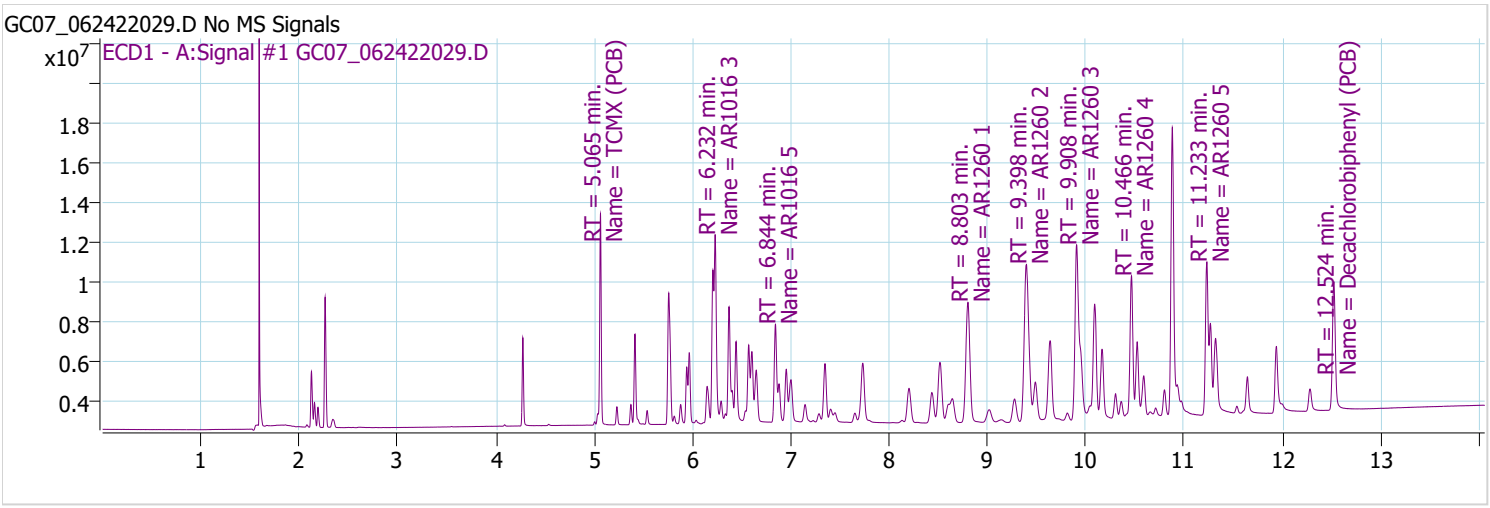


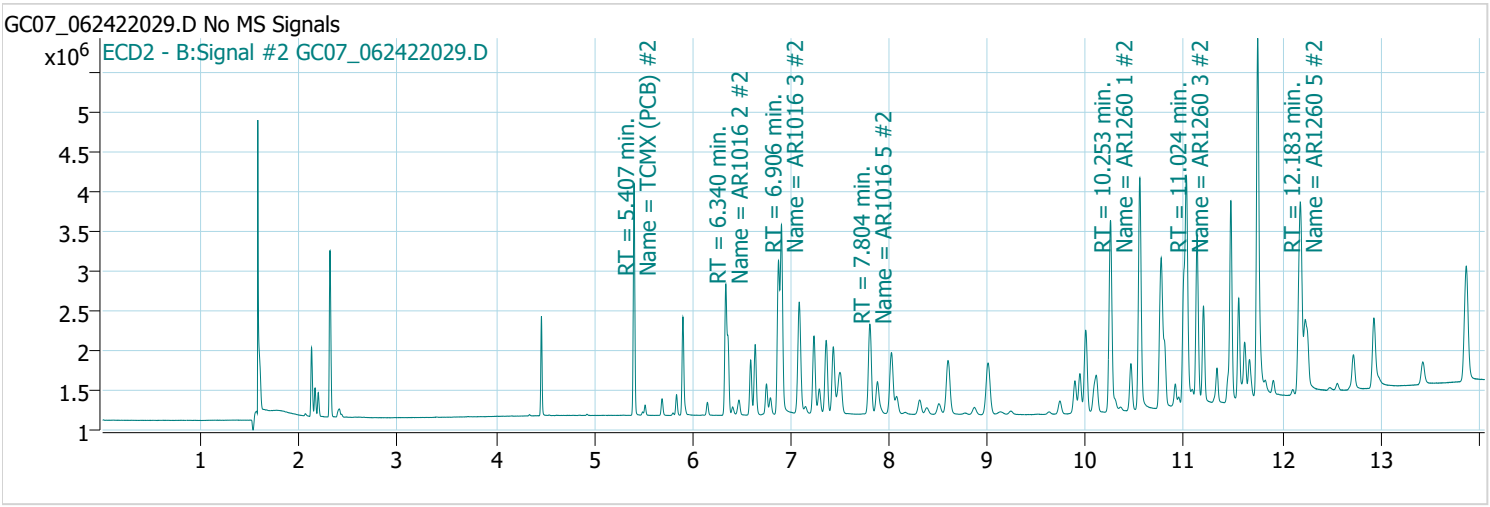
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	37.5620	13.87	0.00	2692100				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422029.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 2:42:11 AM
Sample Name	ICAL, S16726, 1.33	Instrument	SVOA-GC07
Vial	18	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	1500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



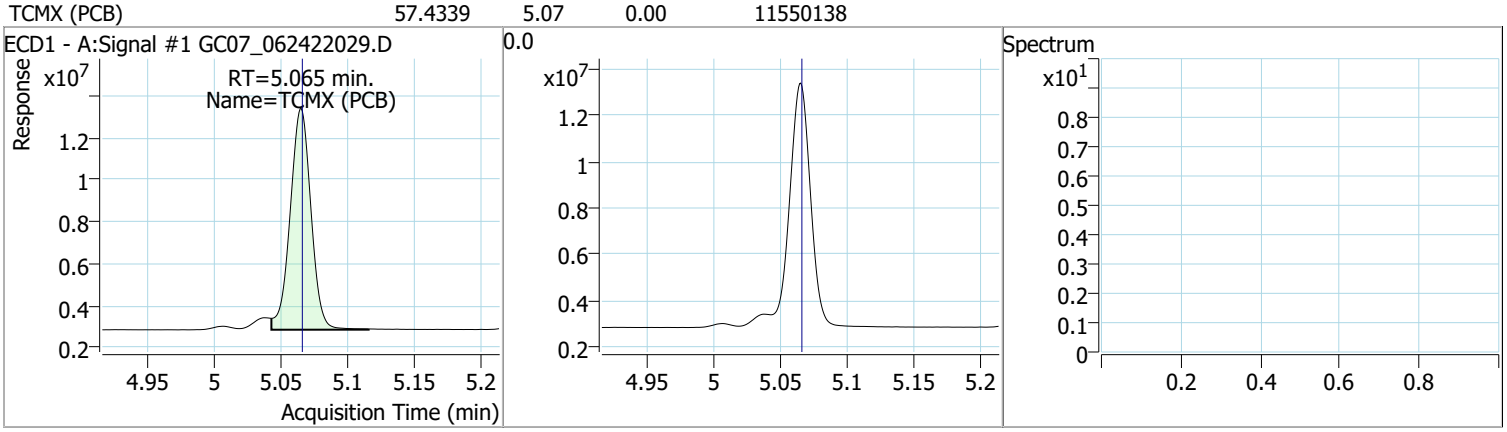


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.276	0.0	4263816.325	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.464	0.0	1124590.024	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.065	0.0	11550138.395	57.4339	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 287.17%		*	
S TCMX (PCB) #2	5.407	0.0	3155269.324	61.8233	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 309.12%		*	
S Decachlorobiphenyl (PCB)	12.524	0.0	13409186.464	56.2981	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 281.49%		*	
S Decachlorobiphenyl (PCB) #2	13.871	0.0	3975161.839	57.4041	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 287.02%		*	
Target Compounds							QValue

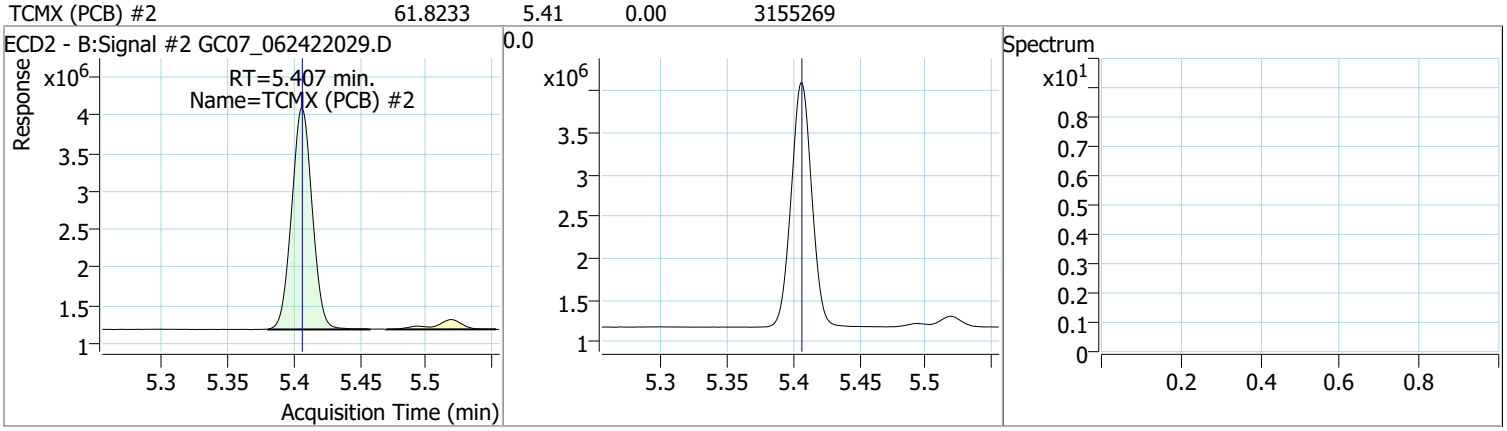
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.416	0.0	5569331.335	1361.5121	ng/ml	m	100
T AR1016 2	5.759	0.0	11740776.165	1324.3149	ng/ml		100
T AR1016 1 #2	5.903	0.0	1649630.487	1456.6039	ng/ml		100
T AR1016 3	6.232	0.0	14345444.160	1397.3492	ng/ml		100
T AR1016 2 #2	6.340	0.0	3519153.248	1427.0129	ng/ml		100
T AR1016 4	6.373	0.0	10172884.119	1377.9680	ng/ml	m	100
T AR1016 5	6.844	0.0	8352834.238	1358.3187	ng/ml		100
T AR1016 3 #2	6.906	0.0	4146580.849	1465.8500	ng/ml		100
T AR1016 4 #2	7.086	0.0	2922966.049	1488.7998	ng/ml		100
T AR1016 5 #2	7.804	0.0	2413964.960	1471.9029	ng/ml		100
T AR1260 1	8.803	0.0	17324159.160	1334.0648	ng/ml		100
T AR1260 2	9.398	0.0	25967953.560	1393.0166	ng/ml		100
T AR1260 3	9.908	0.0	27408889.638	1450.9036	ng/ml		100
T AR1260 1 #2	10.253	0.0	5120287.160	1437.6357	ng/ml		100
T AR1260 4	10.466	0.0	13414288.239	1389.0468	ng/ml		100
T AR1260 2 #2	10.551	0.0	5770452.829	1458.3018	ng/ml		100
T AR1260 3 #2	11.024	0.0	7592679.609	1558.9287	ng/ml		100
T AR1260 5	11.233	0.0	14417231.110	1626.0963	ng/ml		100
T AR1260 4 #2	11.477	0.0	4132961.015	1512.4557	ng/ml		100
T AR1260 5 #2	12.183	0.0	5965821.103	1519.2348	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

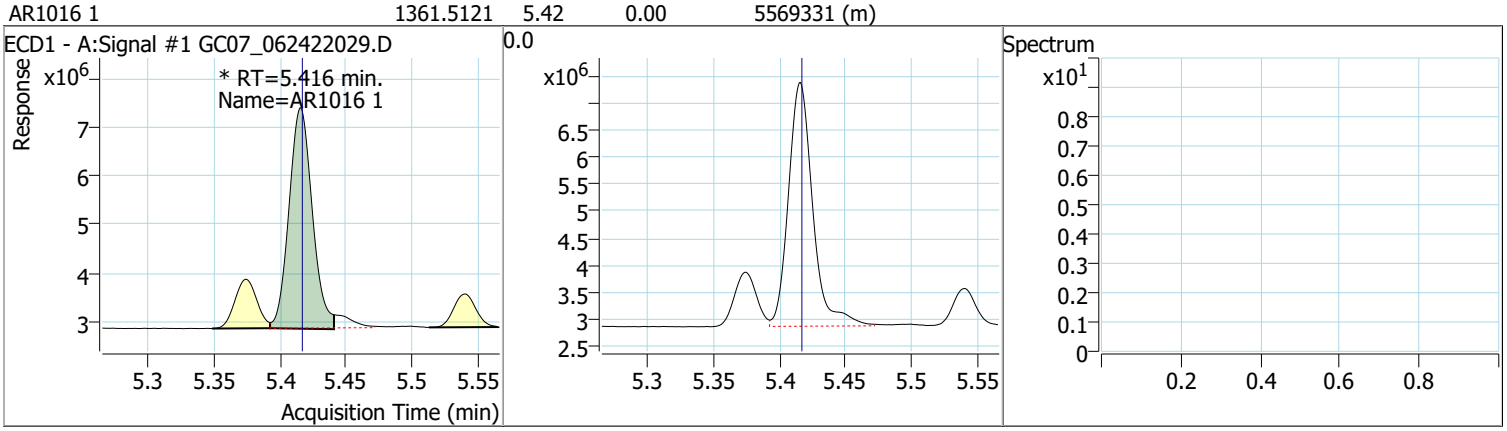
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	57.4339	5.07	0.00	11550138				



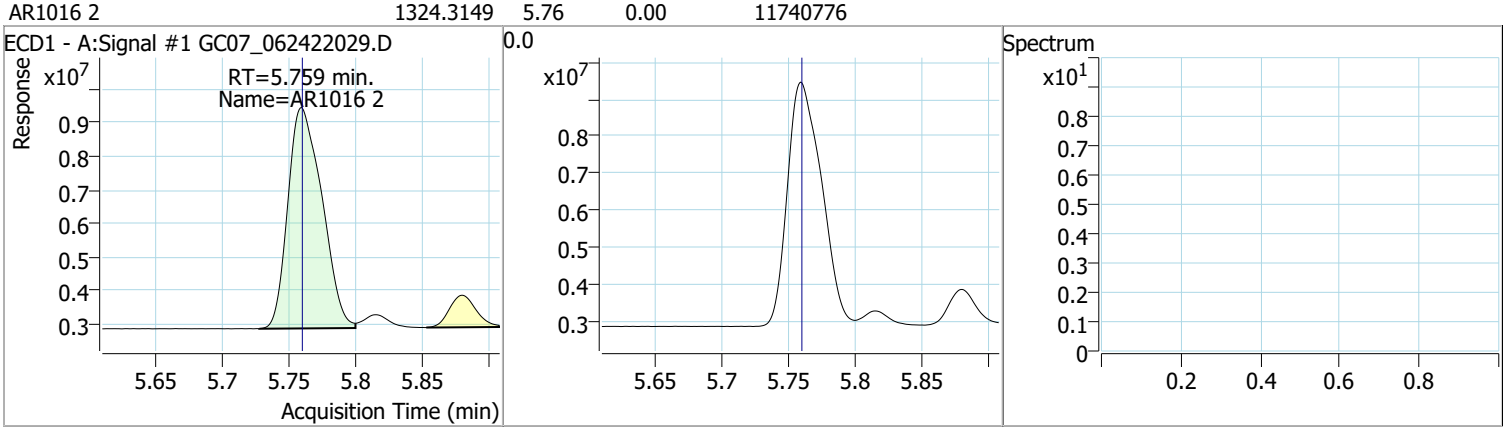
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	61.8233	5.41	0.00	3155269				



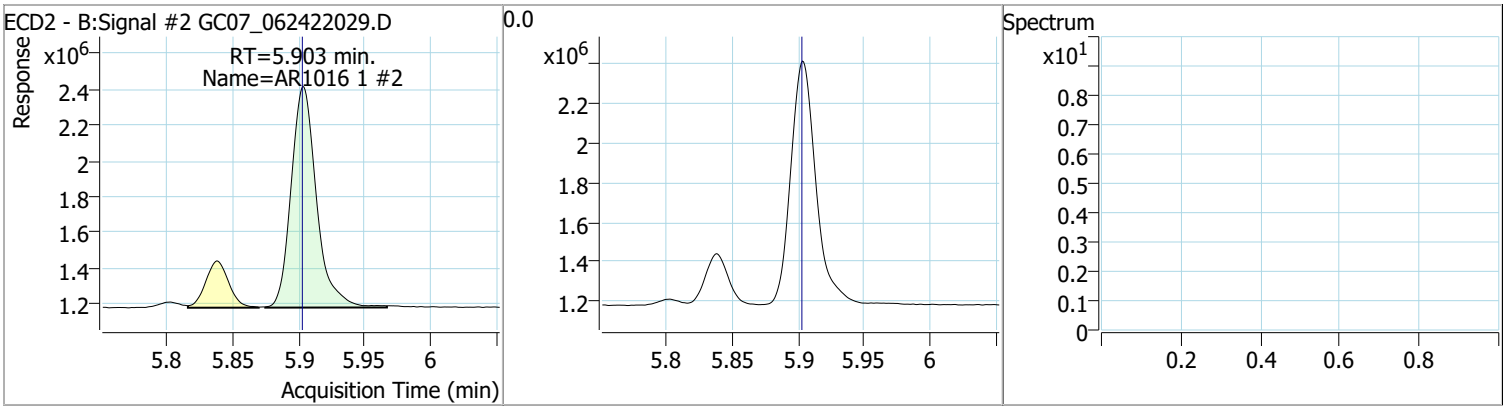
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1361.5121	5.42	0.00	5569331 (m)				



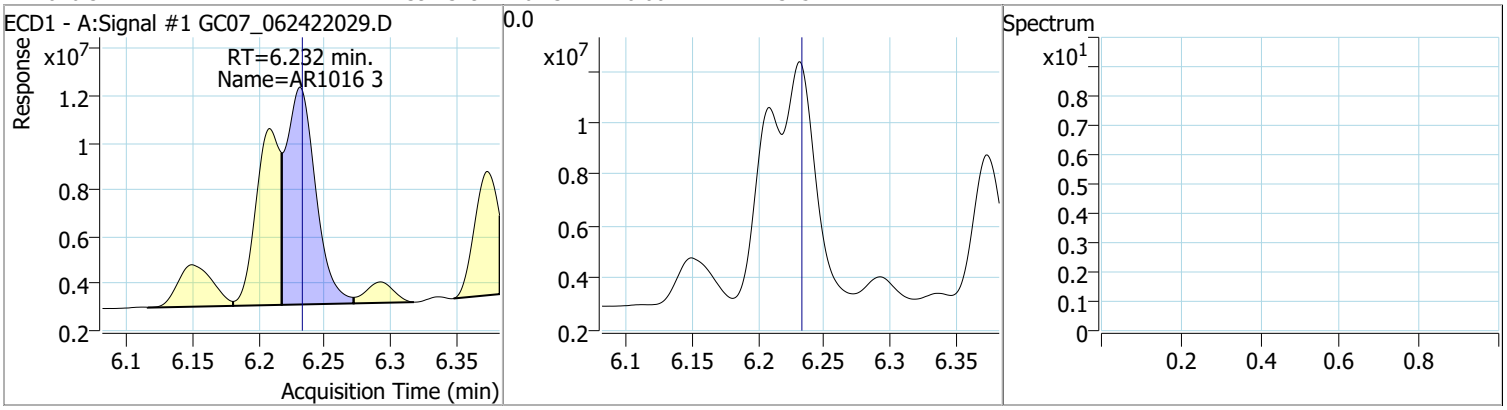
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1324.3149	5.76	0.00	11740776				



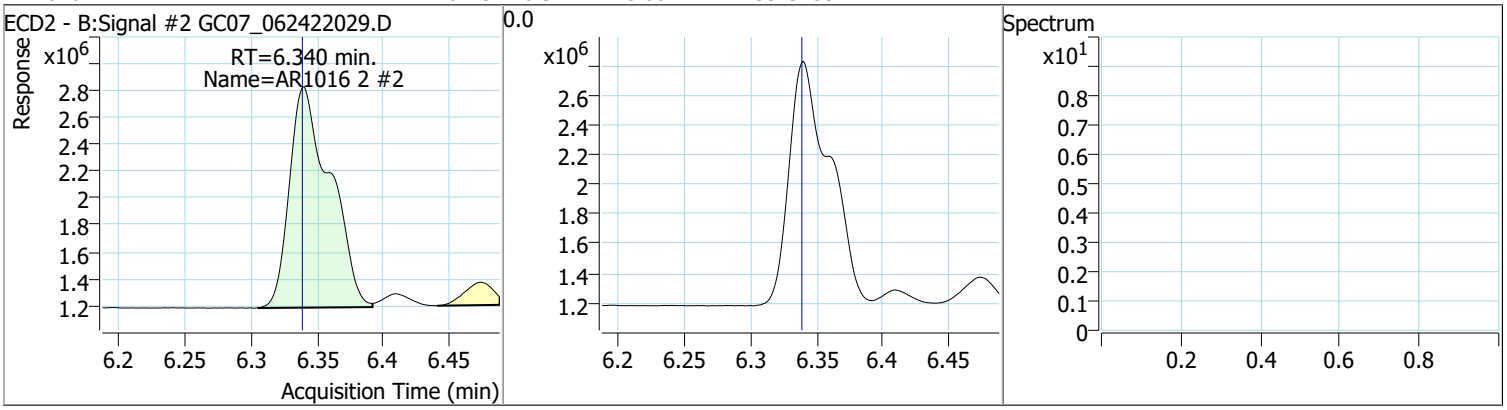
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1456.6039	5.90	0.00	1649630				



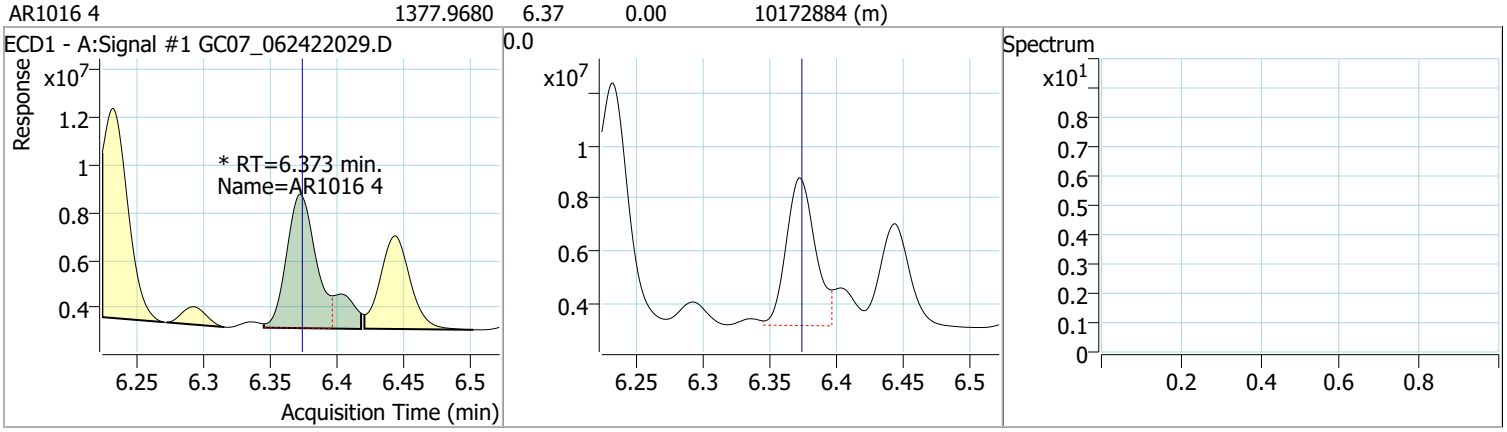
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1397.3492	6.23	0.00	14345444				



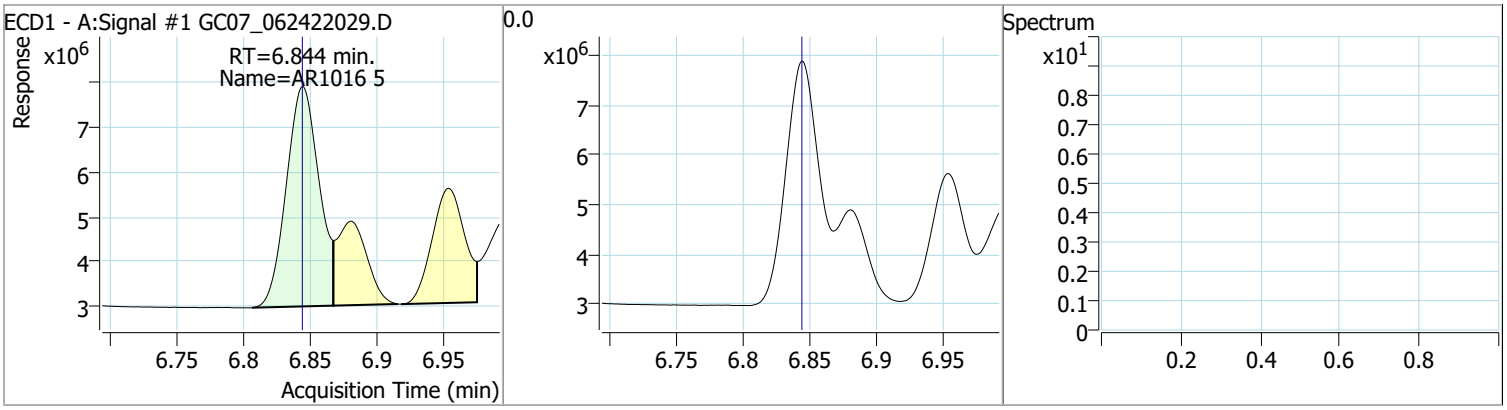
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1427.0129	6.34	0.00	3519153				



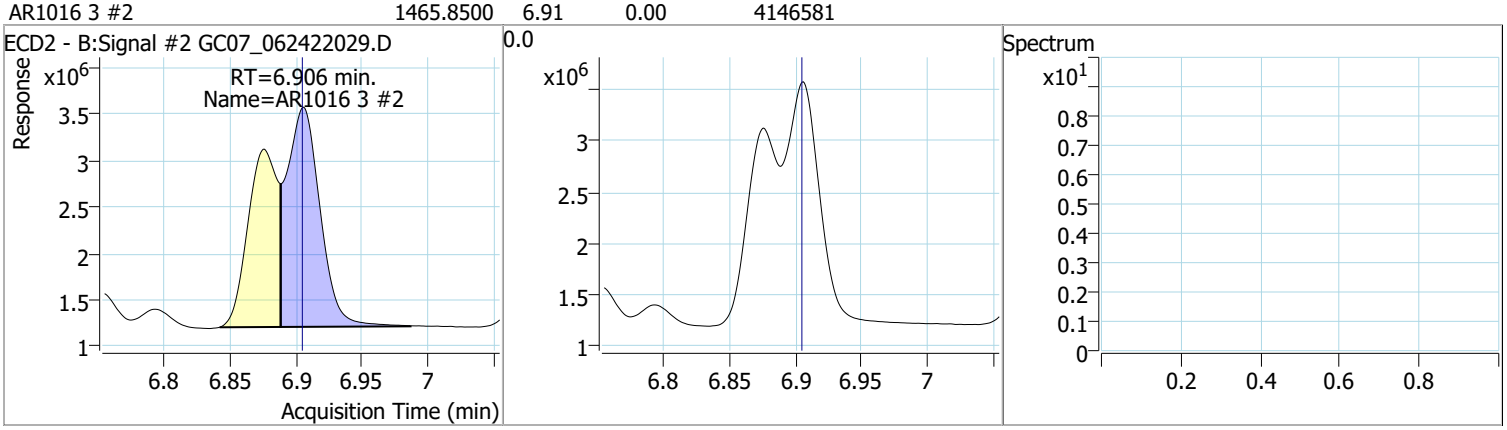
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1377.9680	6.37	0.00	10172884 (m)				



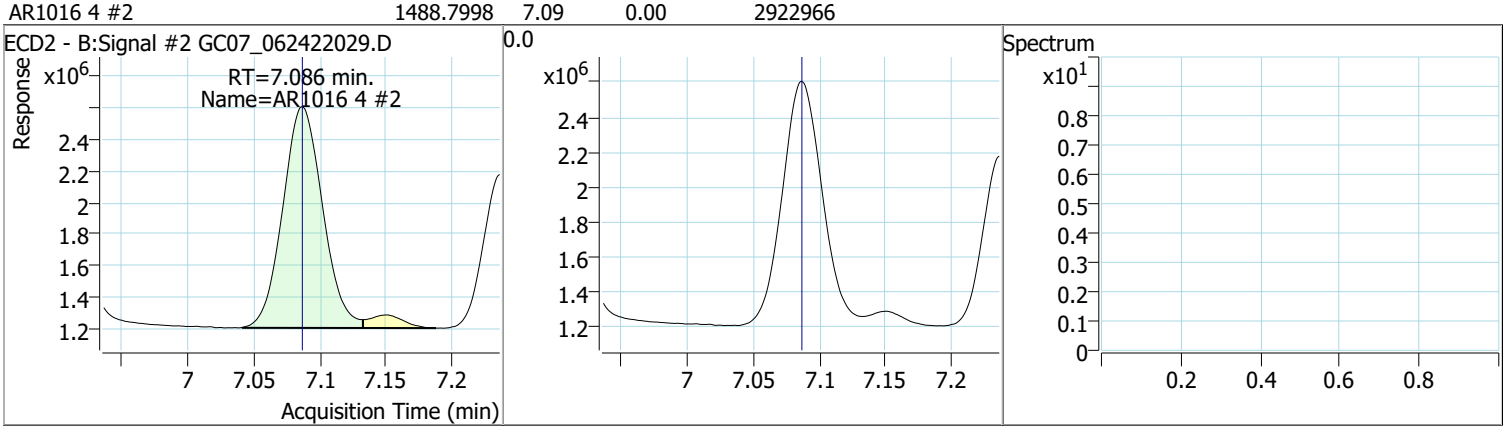
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1358.3187	6.84	0.00	8352834				



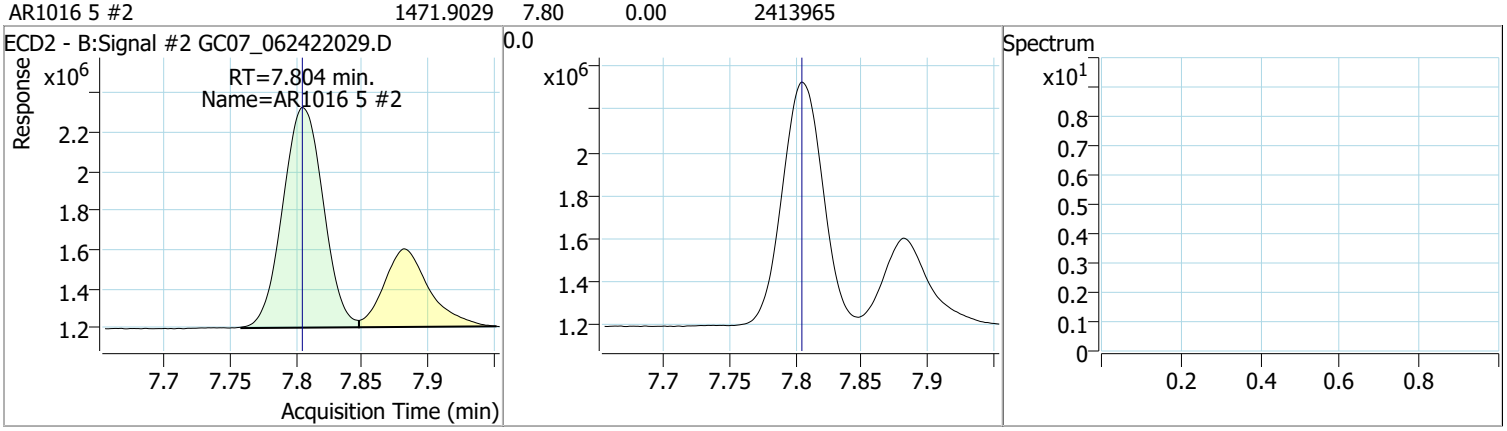
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1465.8500	6.91	0.00	4146581				



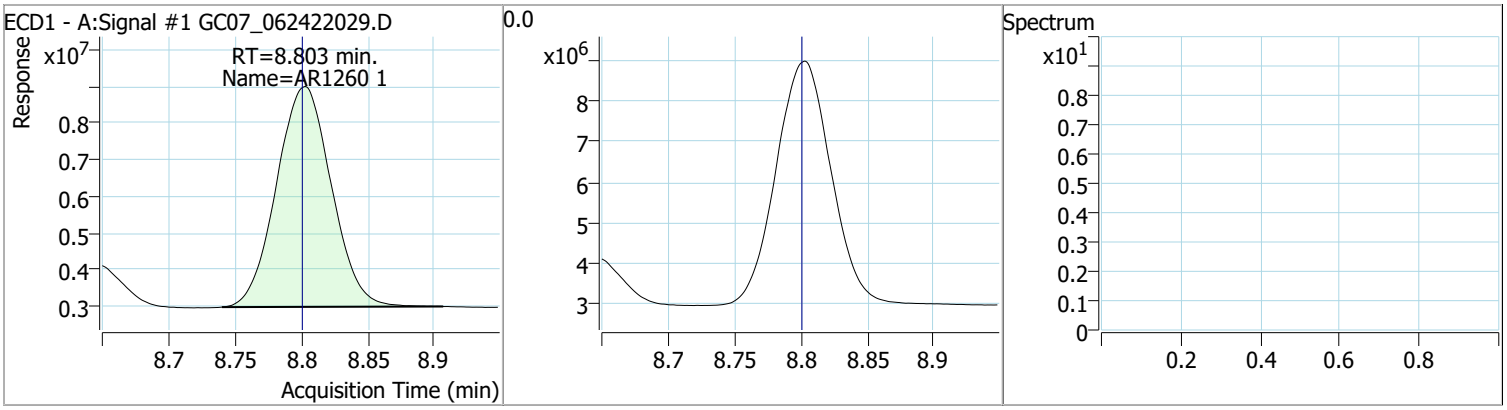
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1488.7998	7.09	0.00	2922966				



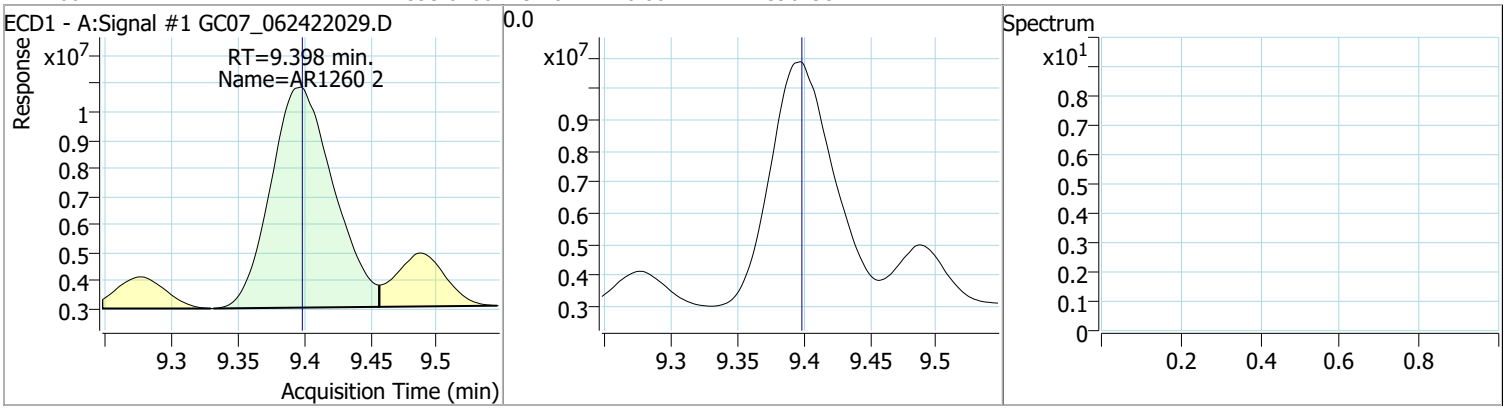
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1471.9029	7.80	0.00	2413965				



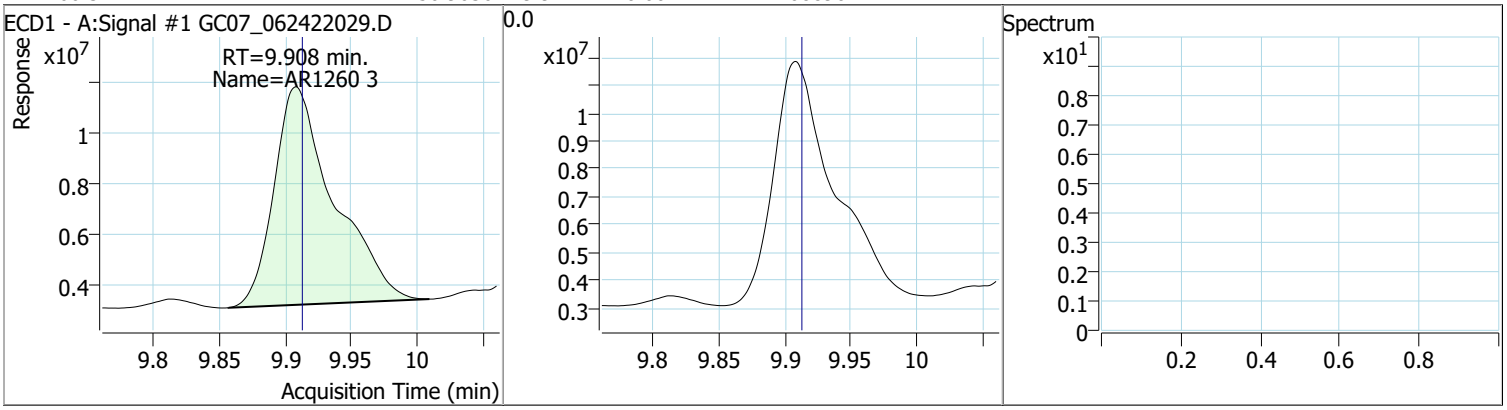
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1334.0648	8.80	0.00	17324159				



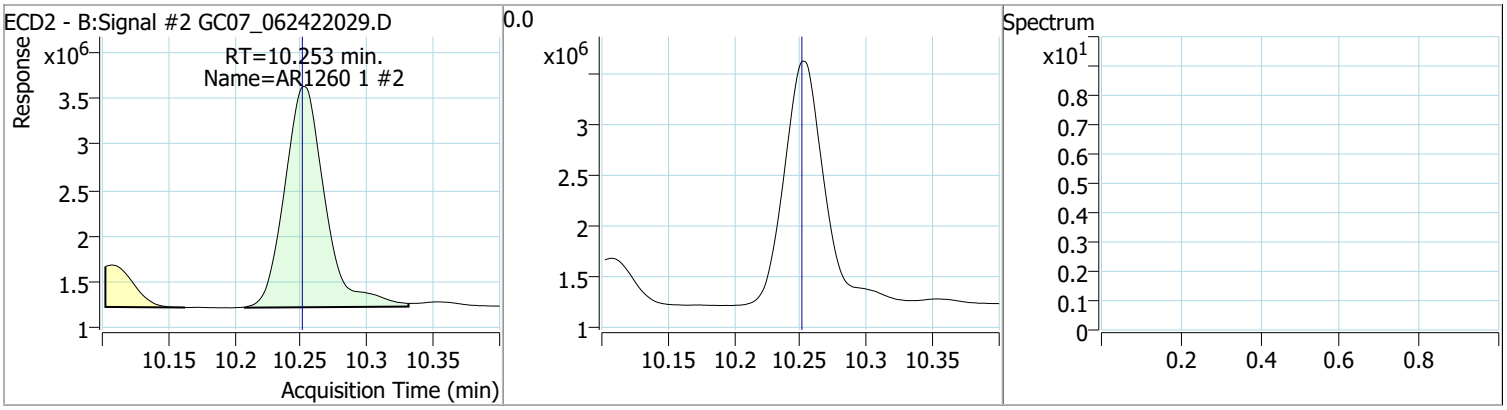
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1393.0166	9.40	0.00	25967954				



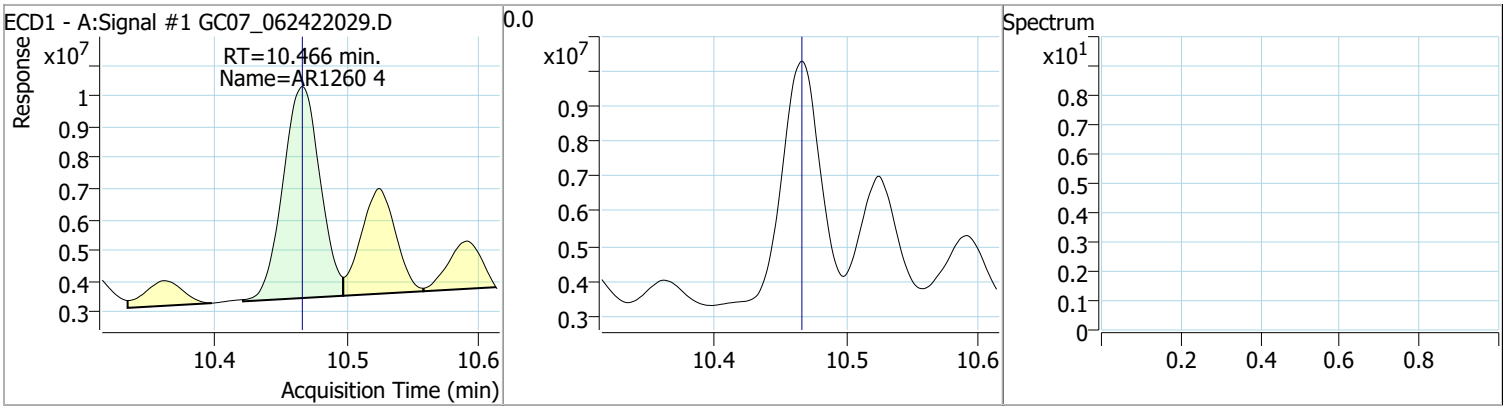
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1450.9036	9.91	0.00	27408890				



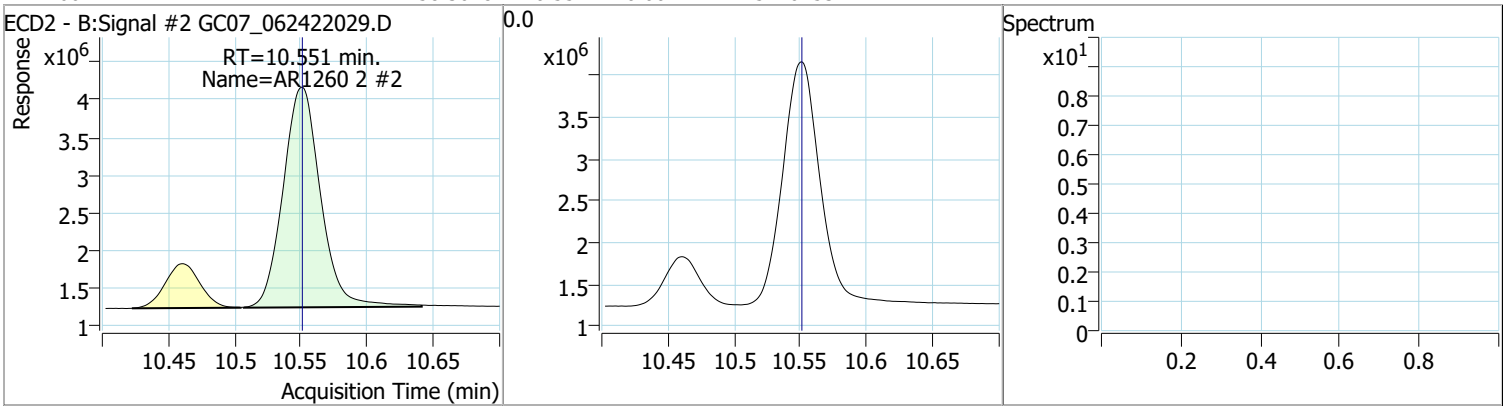
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1437.6357	10.25	0.00	5120287				



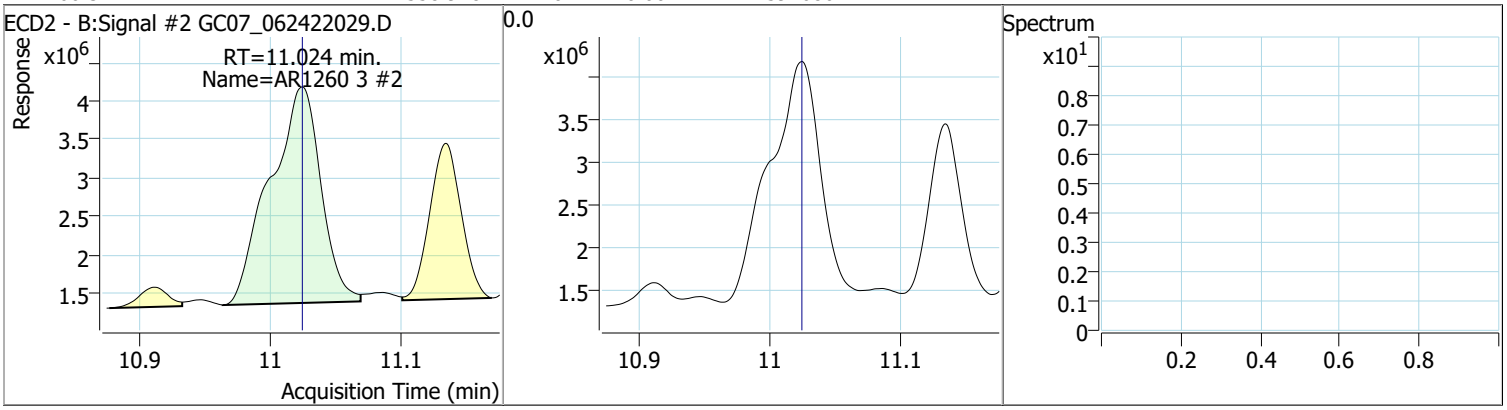
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1389.0468	10.47	0.00	13414288				



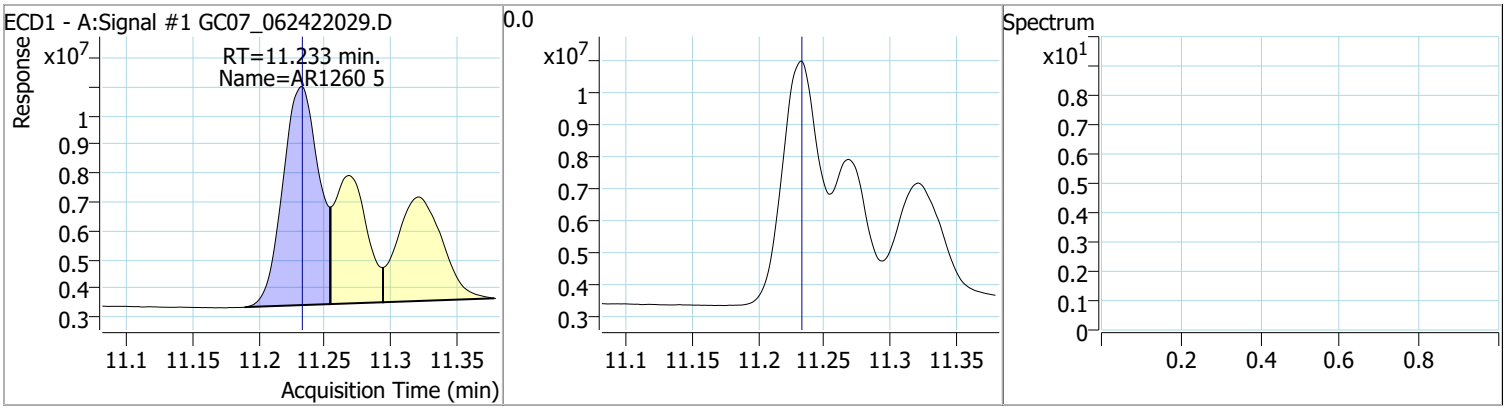
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1458.3018	10.55	0.00	5770453				



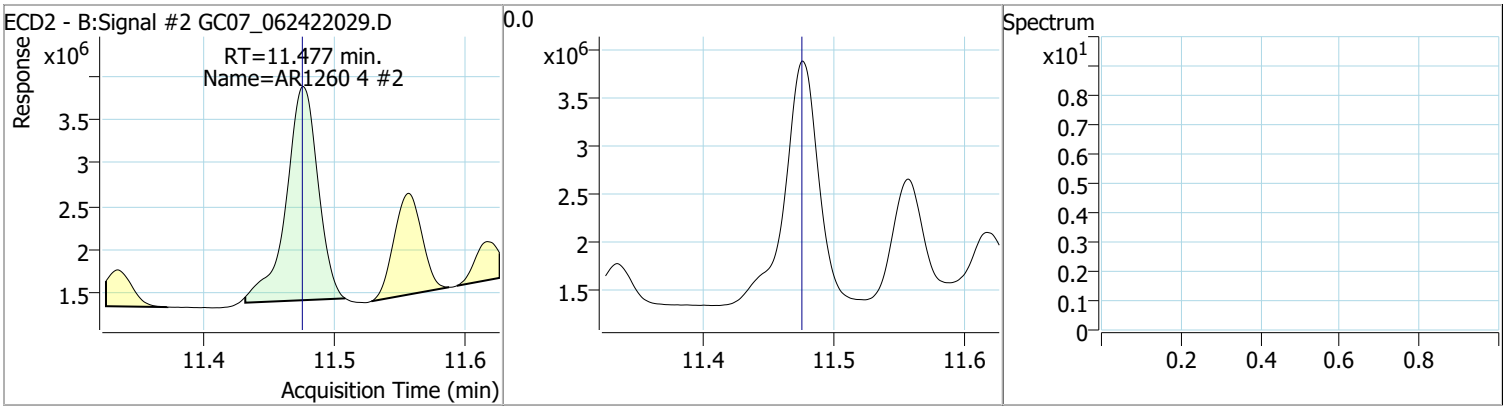
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1558.9287	11.02	0.00	7592680				



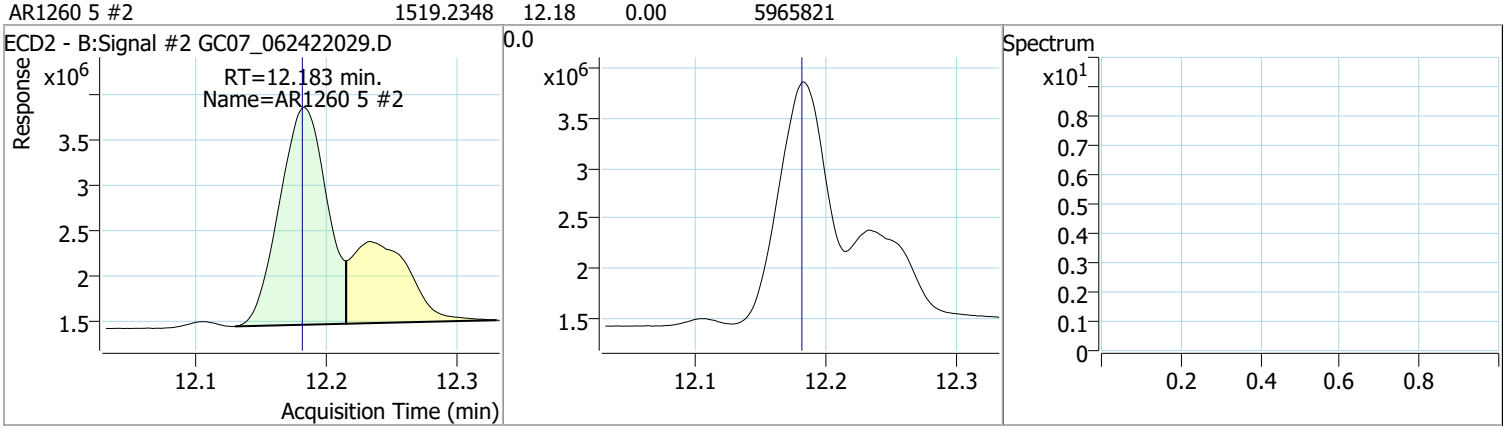
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1626.0963	11.23	0.00	14417231				



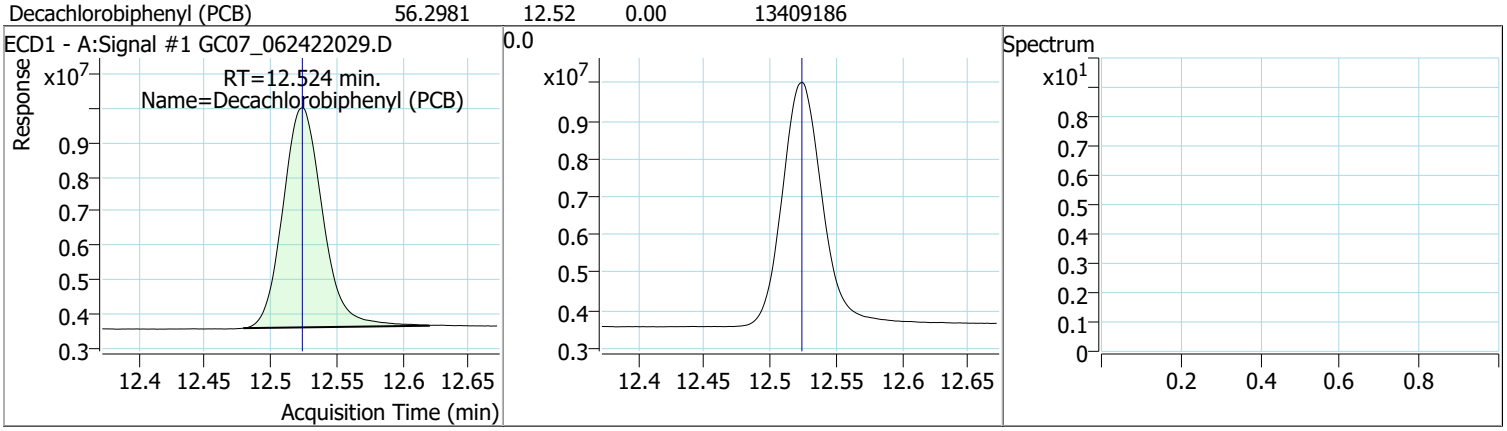
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1512.4557	11.48	0.00	4132961				



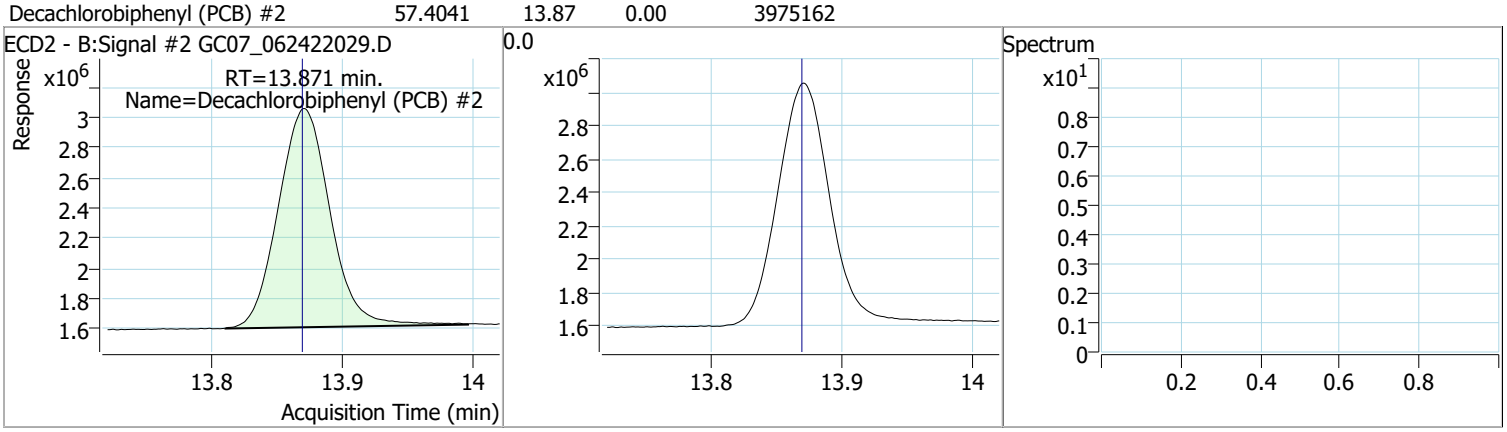
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1519.2348	12.18	0.00	5965821				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	56.2981	12.52	0.00	13409186				

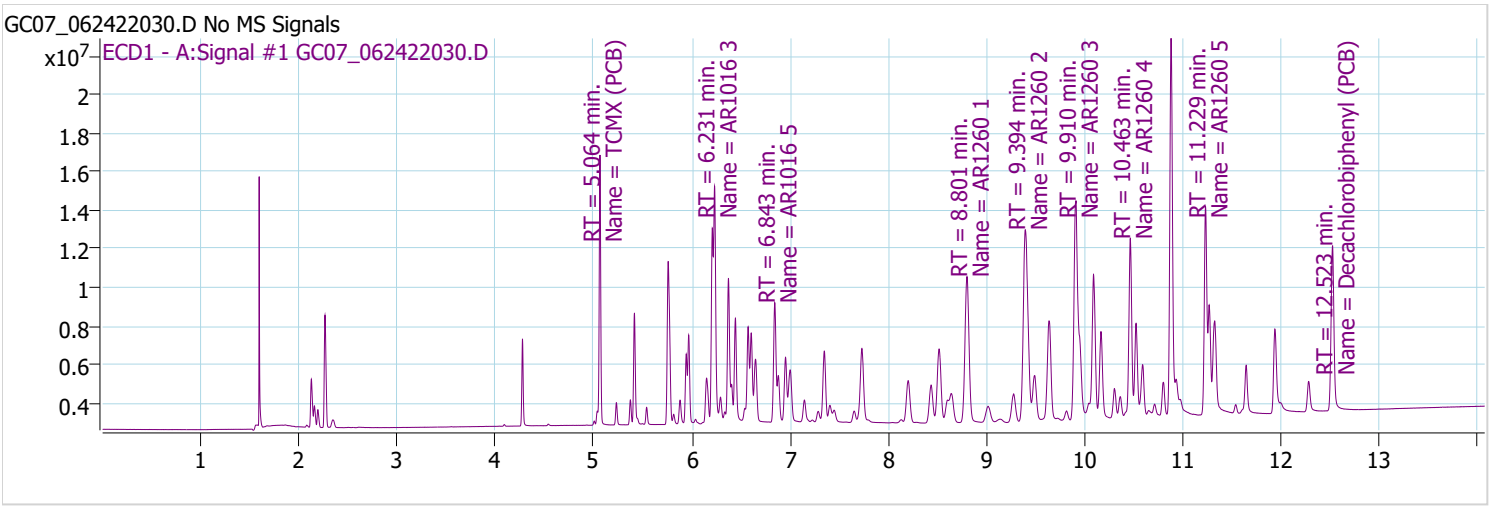


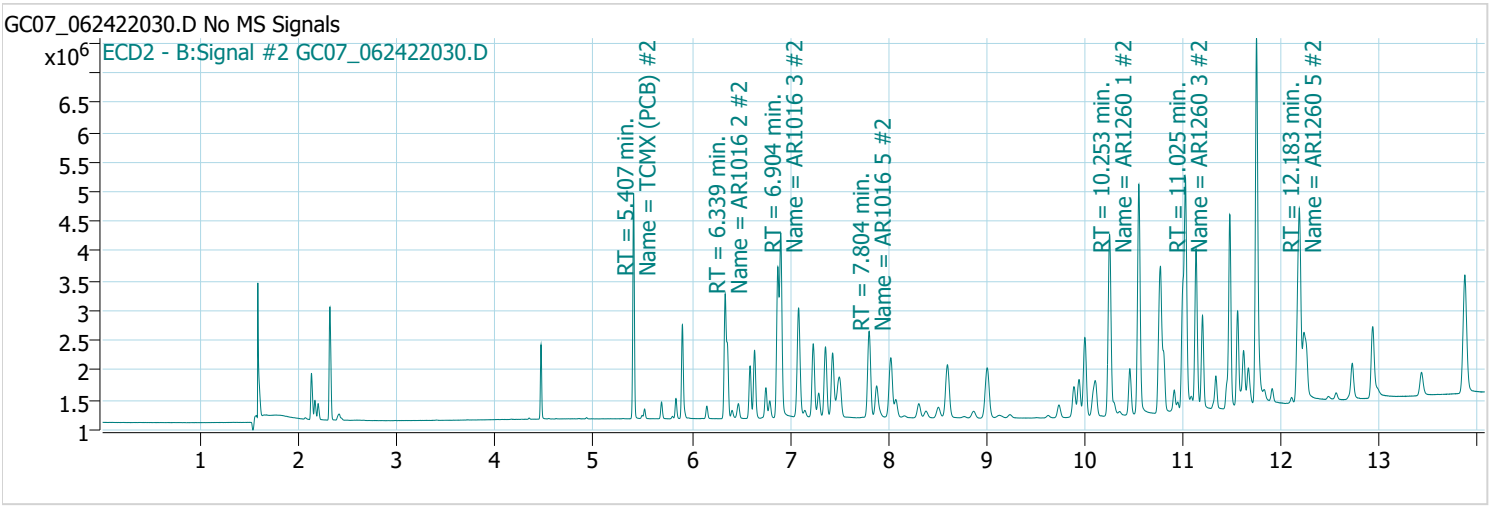
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	57.4041	13.87	0.00	3975162				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422030.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 2:59:43 AM
Sample Name	ICAL, S16726, 1	Instrument	SVOA-GC07
Vial	19	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	2000 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



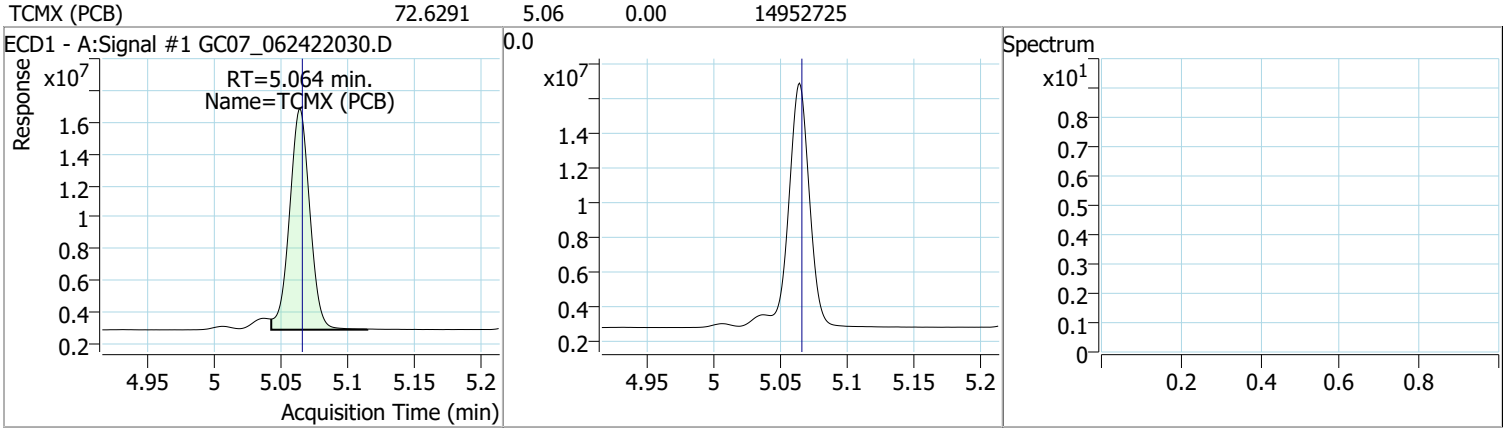


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.276	0.0	4365053.669	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.464	0.0	1150132.386	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.064	0.0	14952724.787	72.6291	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 363.15%		*	
S TCMX (PCB) #2	5.407	0.0	4167605.909	79.8452	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 399.23%		*	
S Decachlorobiphenyl (PCB)	12.523	0.0	17812393.038	73.0503	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 365.25%		*	
S Decachlorobiphenyl (PCB) #2	13.869	0.0	5273262.981	74.4584	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 372.29%		*	
Target Compounds							QValue

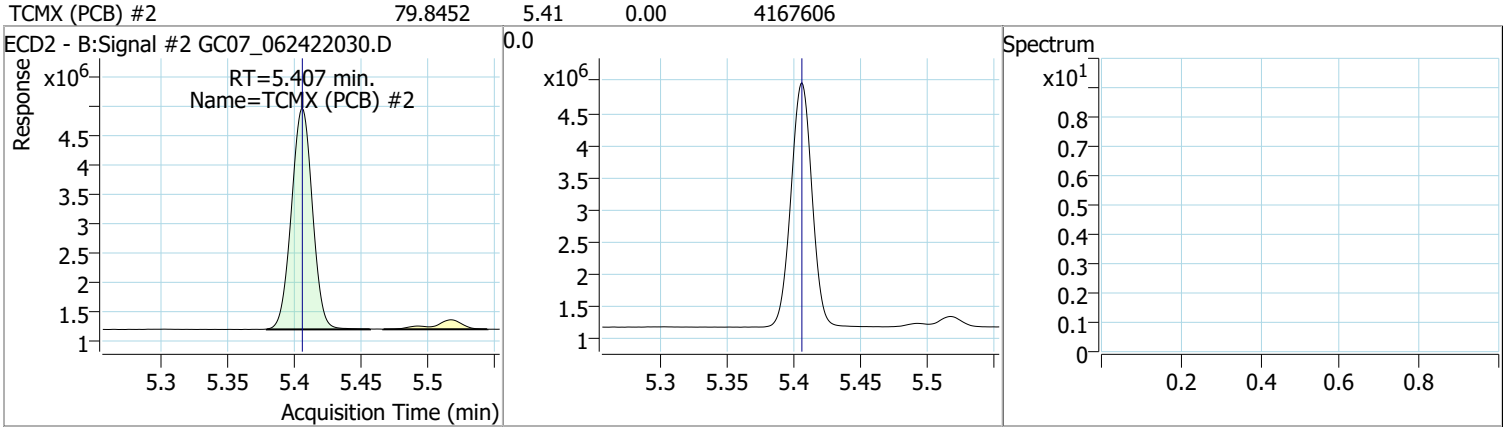
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.415	0.0	7120162.773	1700.2676	ng/ml	m	100
T AR1016 2	5.758	0.0	14810975.461	1631.8755	ng/ml		100
T AR1016 1 #2	5.903	0.0	2120457.254	1830.7570	ng/ml		100
T AR1016 3	6.231	0.0	18039417.481	1716.4153	ng/ml		100
T AR1016 2 #2	6.339	0.0	4491331.880	1780.7840	ng/ml		100
T AR1016 4	6.372	0.0	12967529.525	1715.7784	ng/ml	m	100
T AR1016 5	6.843	0.0	10714001.242	1701.8780	ng/ml		100
T AR1016 3 #2	6.904	0.0	5410319.720	1870.1167	ng/ml		100
T AR1016 4 #2	7.087	0.0	3770733.516	1877.9532	ng/ml		100
T AR1016 5 #2	7.804	0.0	3114359.024	1856.7920	ng/ml		100
T AR1260 1	8.801	0.0	21787980.965	1638.8931	ng/ml		100
T AR1260 2	9.394	0.0	32917120.413	1724.8420	ng/ml		100
T AR1260 3	9.910	0.0	35506795.463	1835.9781	ng/ml		100
T AR1260 1 #2	10.253	0.0	6584362.429	1807.6512	ng/ml		100
T AR1260 4	10.463	0.0	17362852.581	1756.2212	ng/ml		100
T AR1260 2 #2	10.550	0.0	7387670.504	1825.5404	ng/ml		100
T AR1260 3 #2	11.025	0.0	9880982.766	1983.7079	ng/ml		100
T AR1260 5	11.229	0.0	19446571.916	2142.4779	ng/ml		100
T AR1260 4 #2	11.476	0.0	5317223.956	1902.6228	ng/ml		100
T AR1260 5 #2	12.183	0.0	7951541.912	1979.9418	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

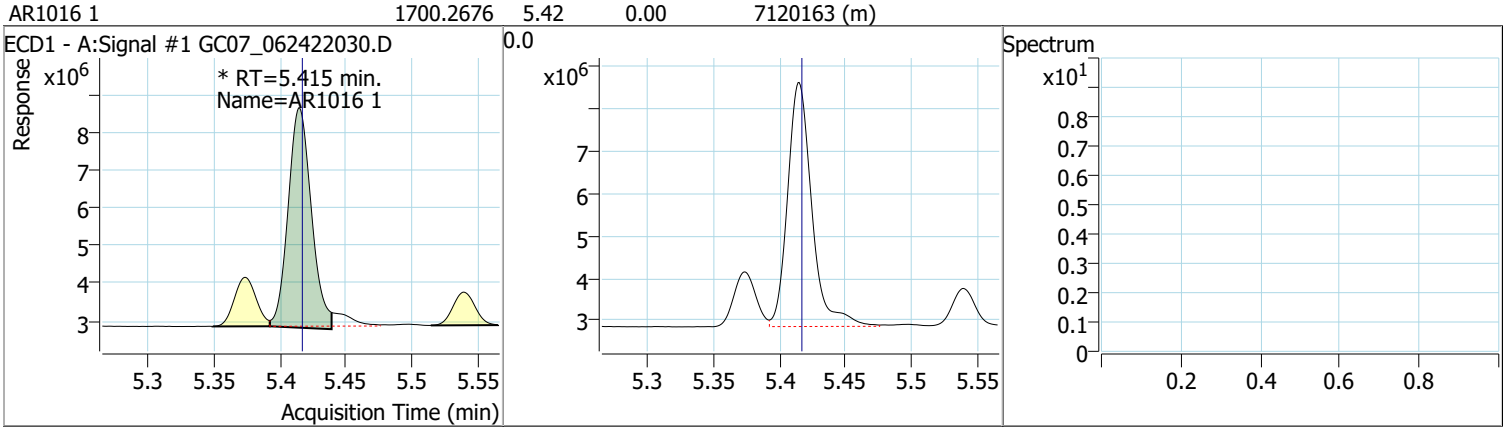
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	72.6291	5.06	0.00	14952725				



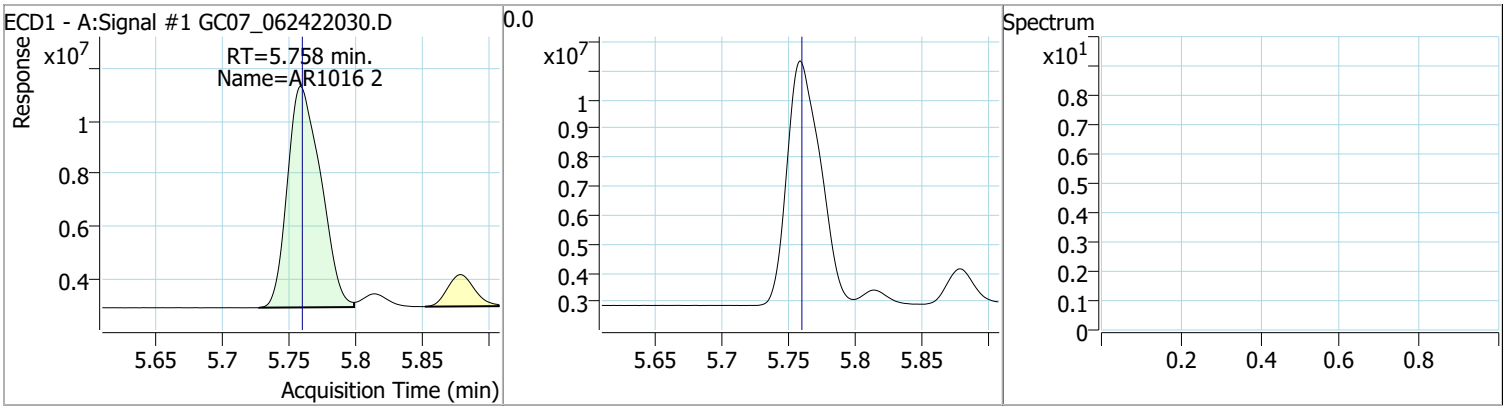
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	79.8452	5.41	0.00	4167606				



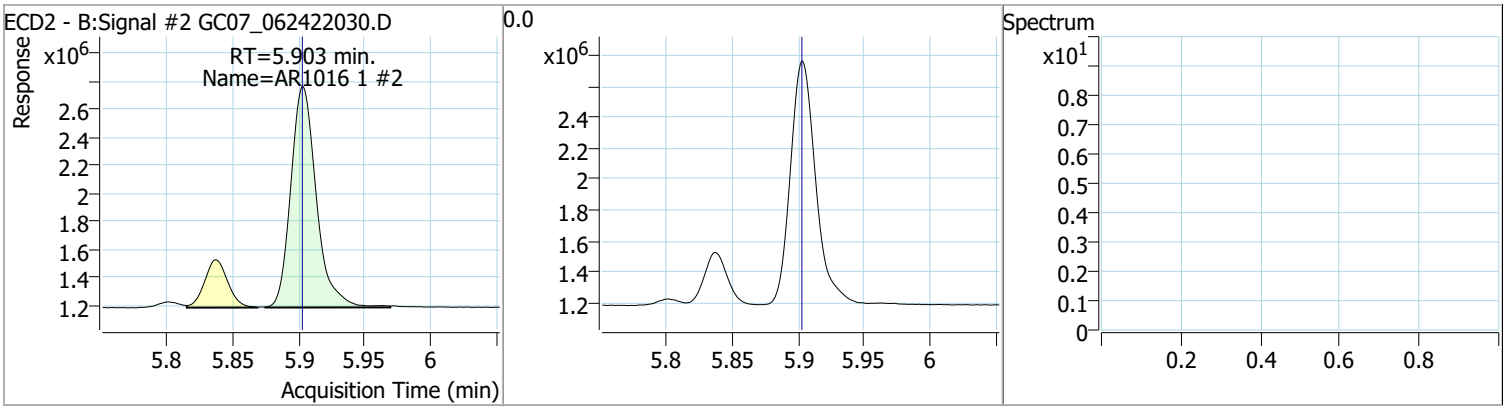
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1700.2676	5.42	0.00	7120163 (m)				



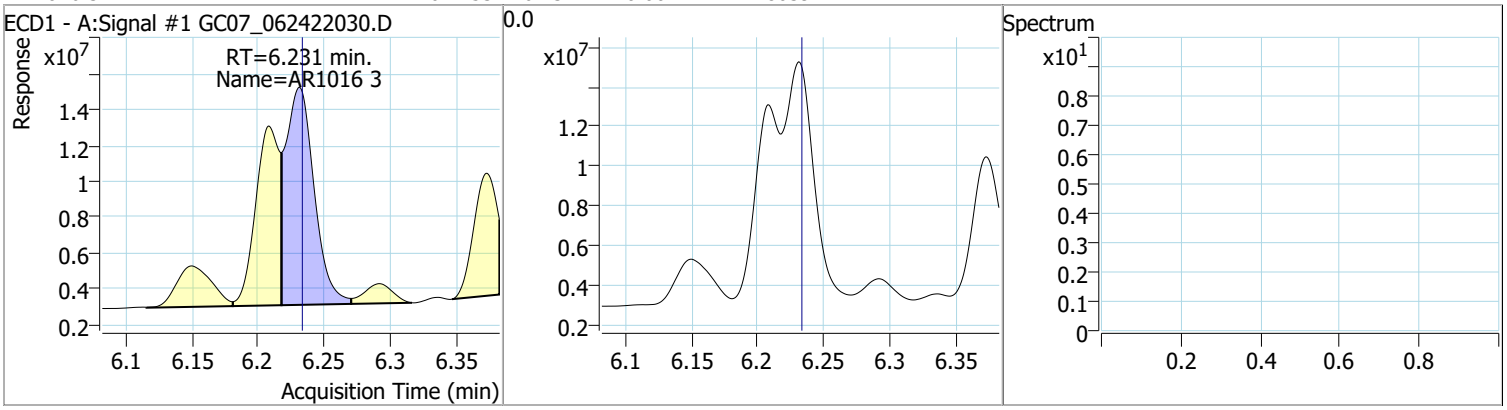
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1631.8755	5.76	0.00	14810975				



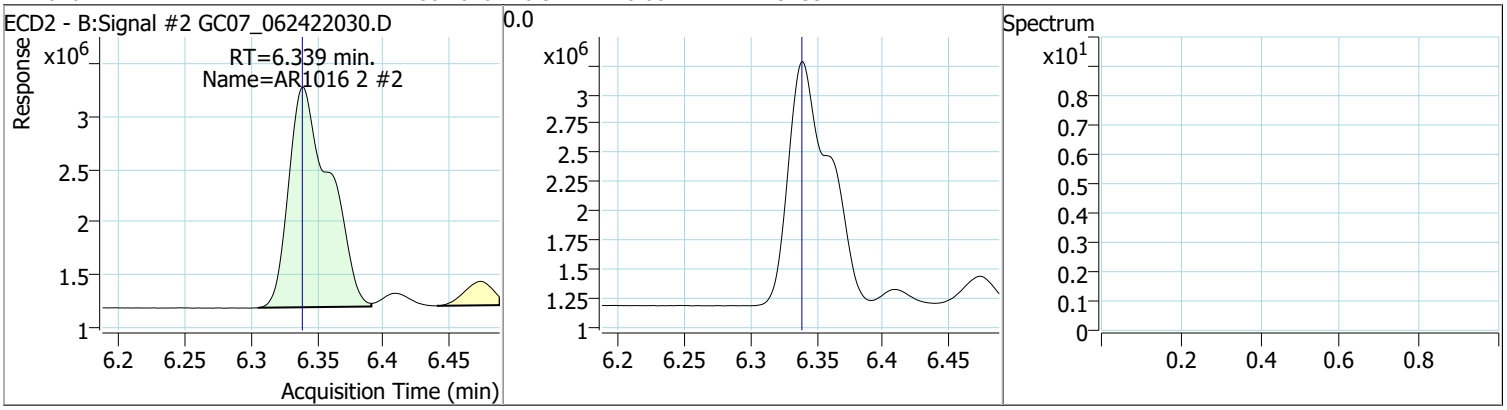
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1830.7570	5.90	0.00	2120457				



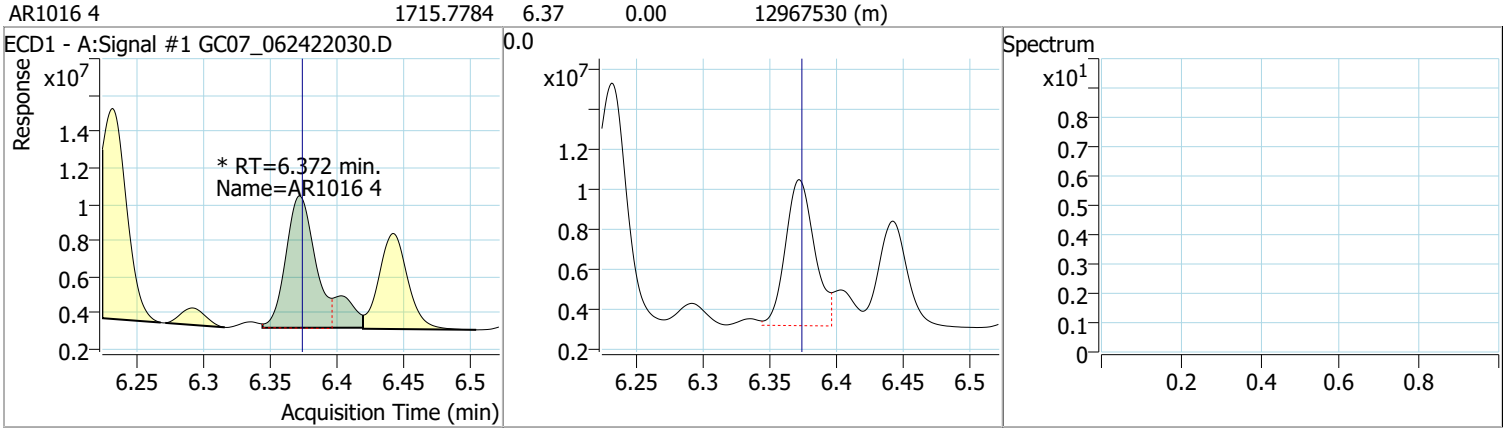
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1716.4153	6.23	0.00	18039417				



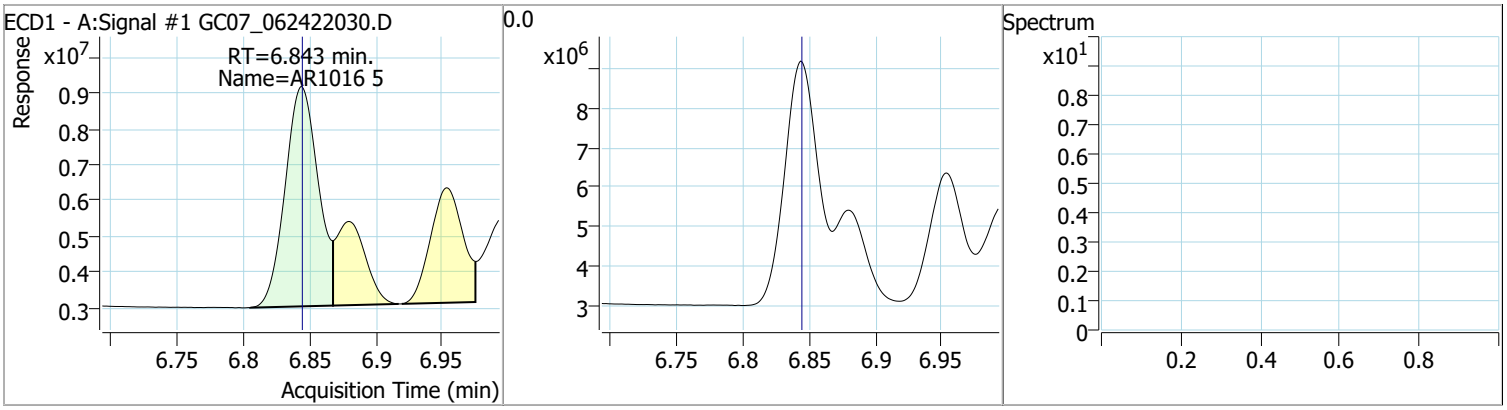
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1780.7840	6.34	0.00	4491332				



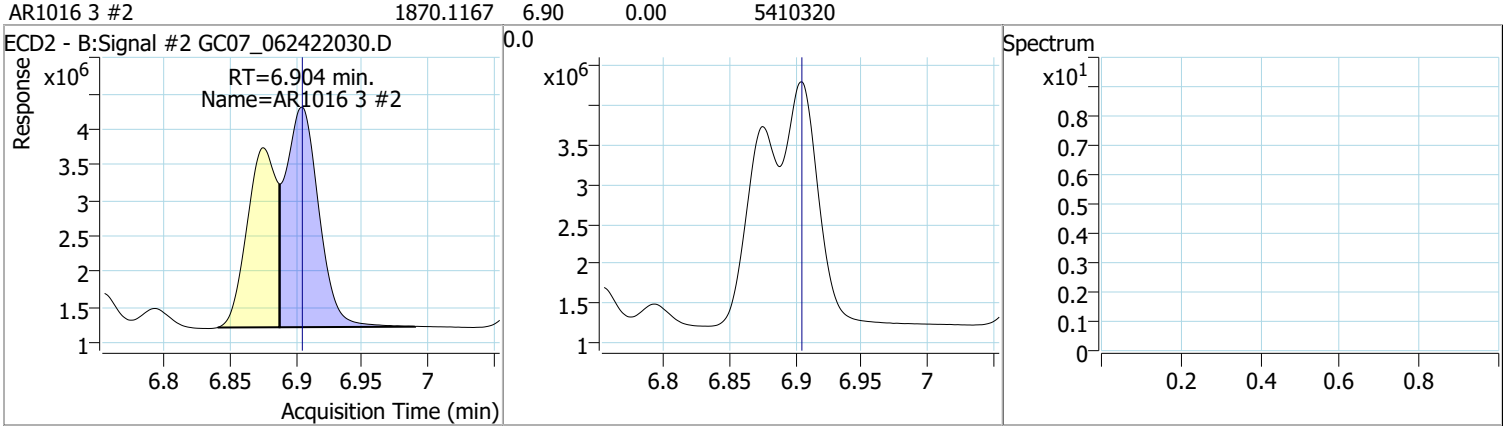
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1715.7784	6.37	0.00	12967530 (m)				



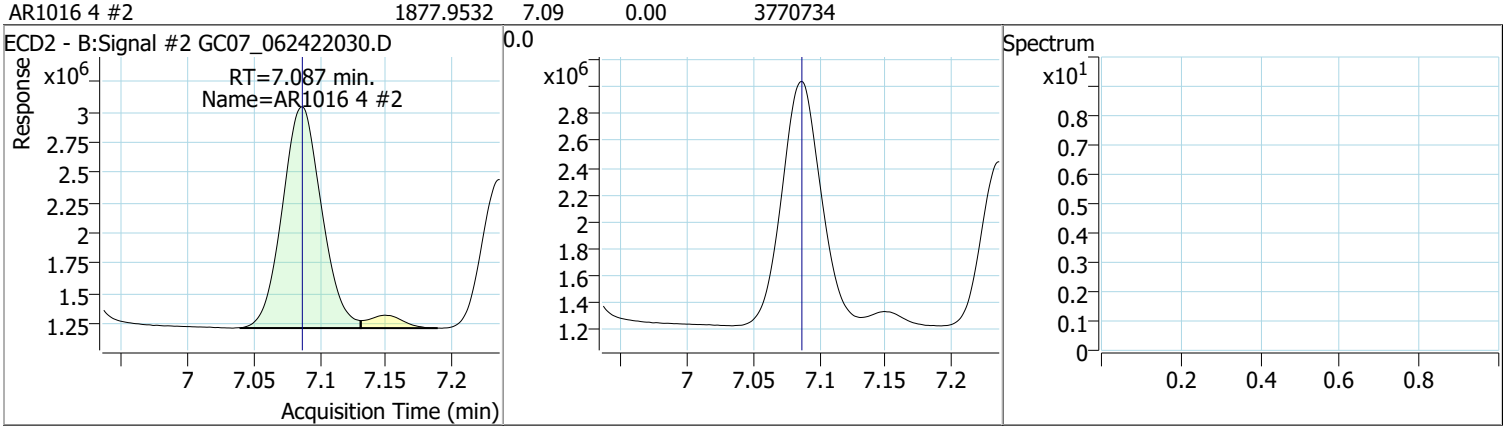
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1701.8780	6.84	0.00	10714001				



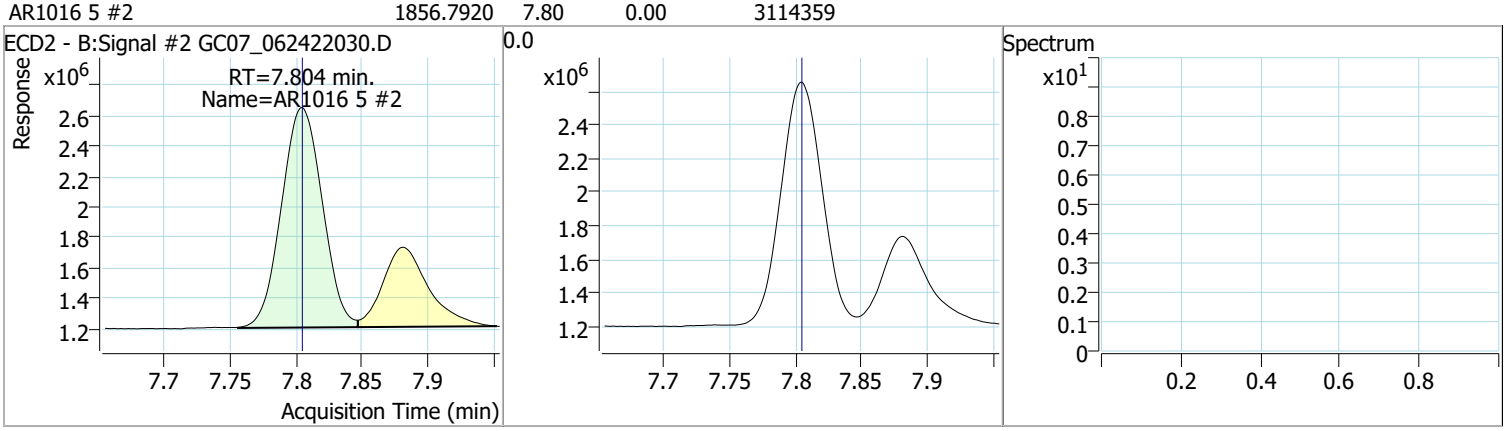
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1870.1167	6.90	0.00	5410320				



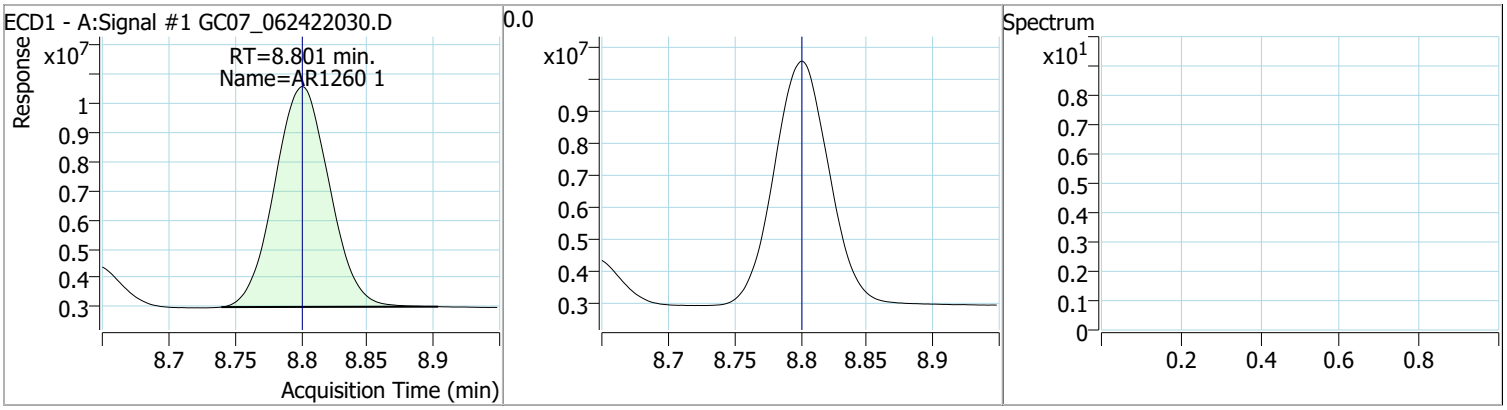
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1877.9532	7.09	0.00	3770734				



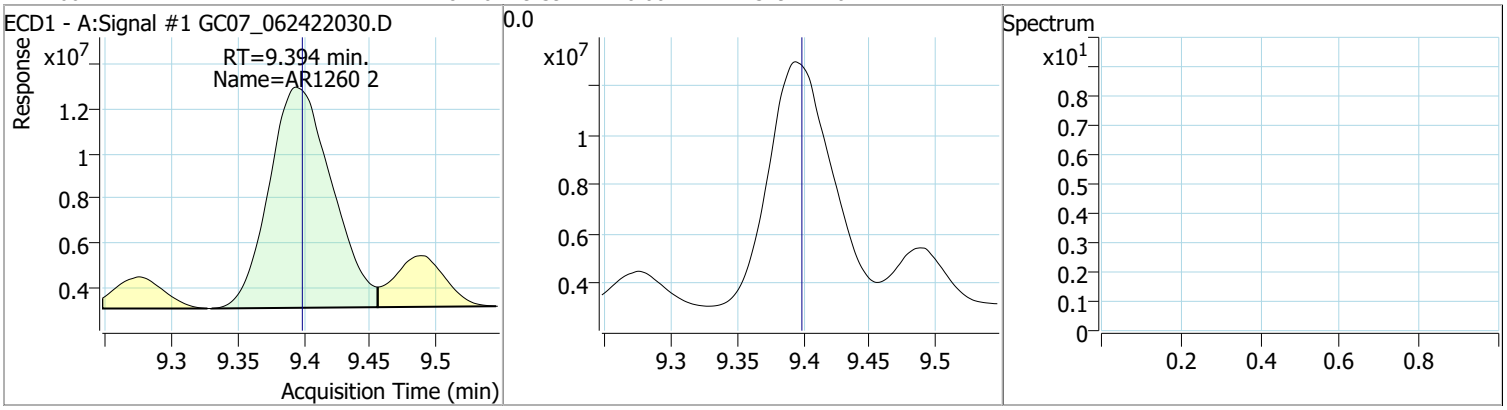
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1856.7920	7.80	0.00	3114359				



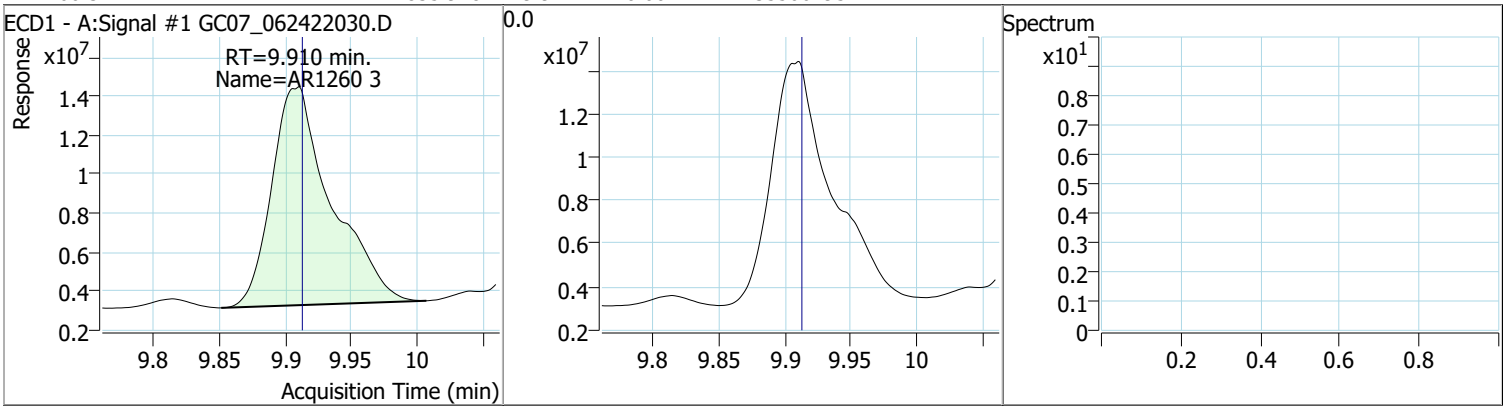
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1638.8931	8.80	0.00	21787981				



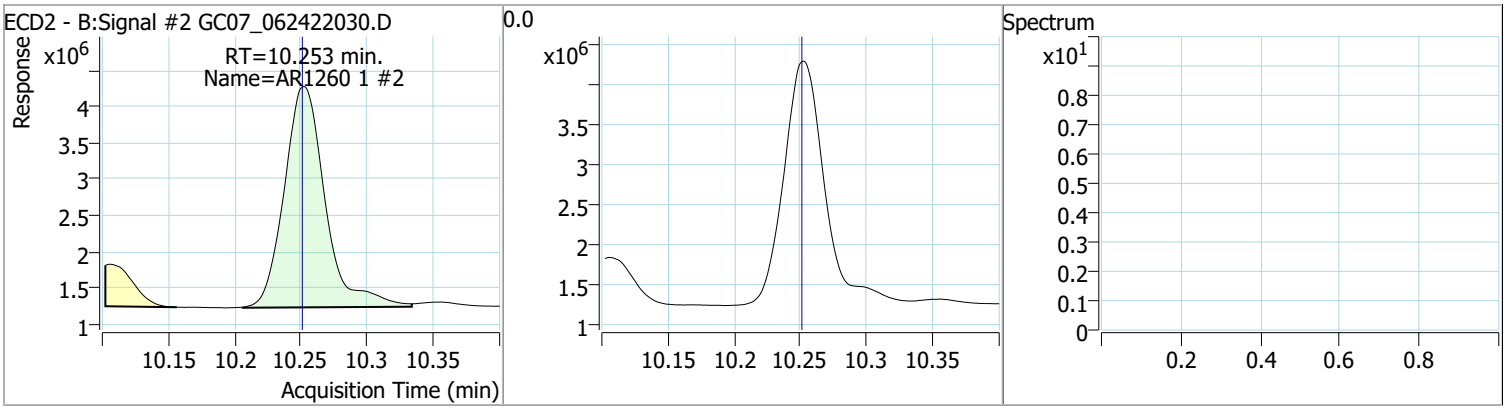
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1724.8420	9.39	0.00	32917120				



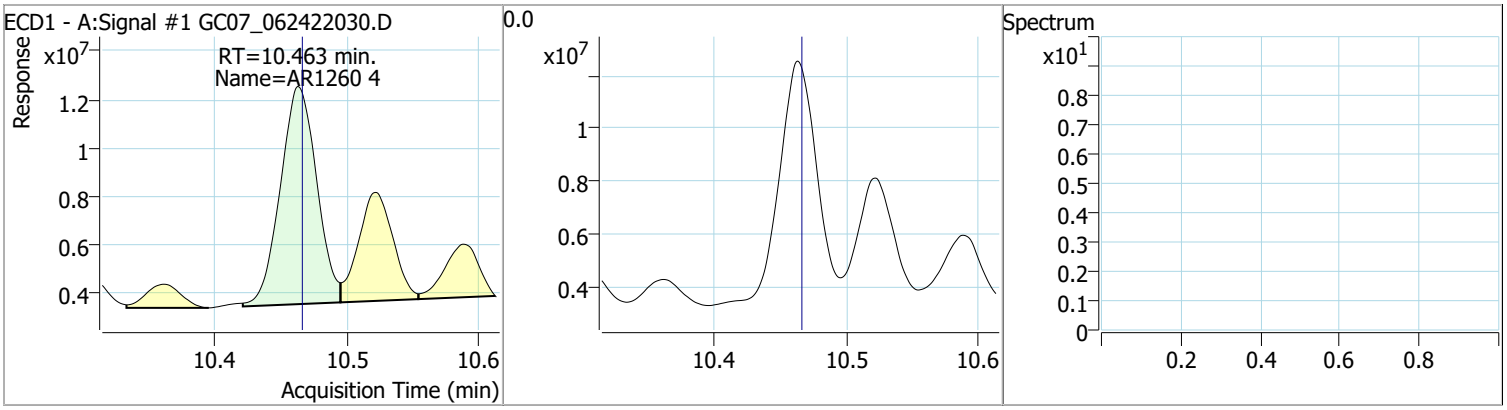
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1835.9781	9.91	0.00	35506795				



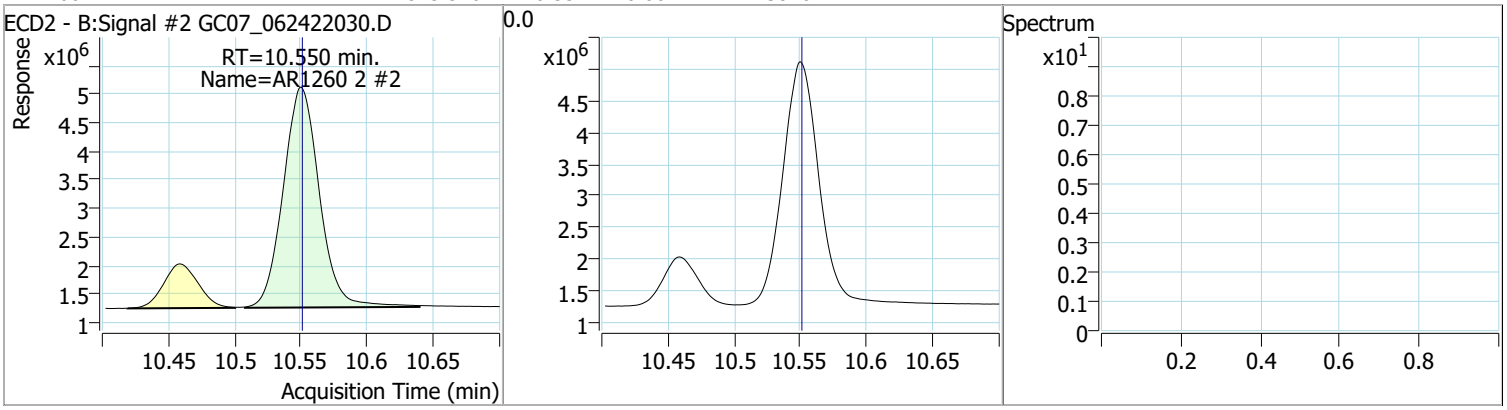
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1807.6512	10.25	0.00	6584362				



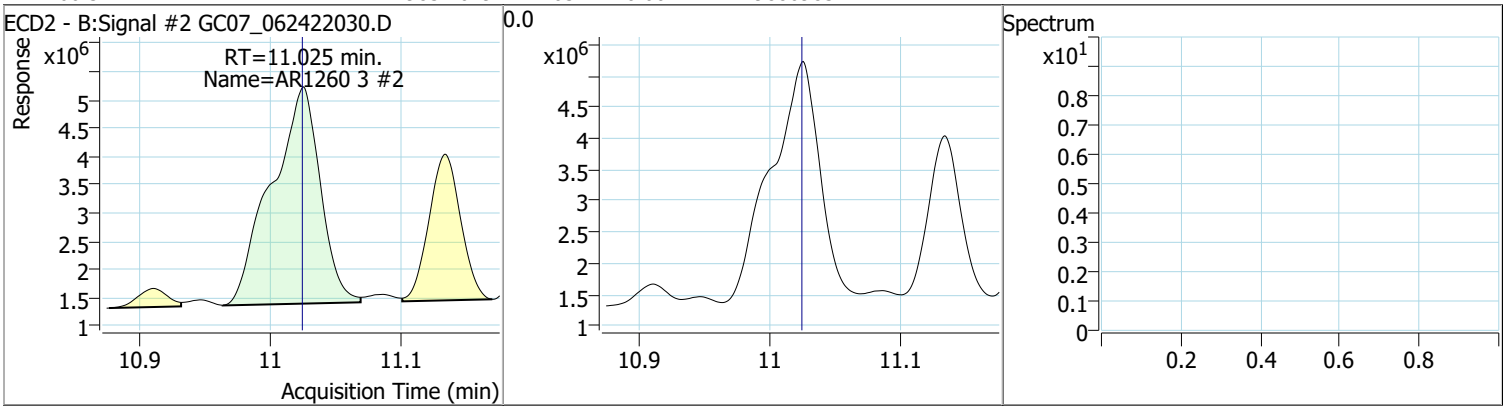
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1756.2212	10.46	0.00	17362853				



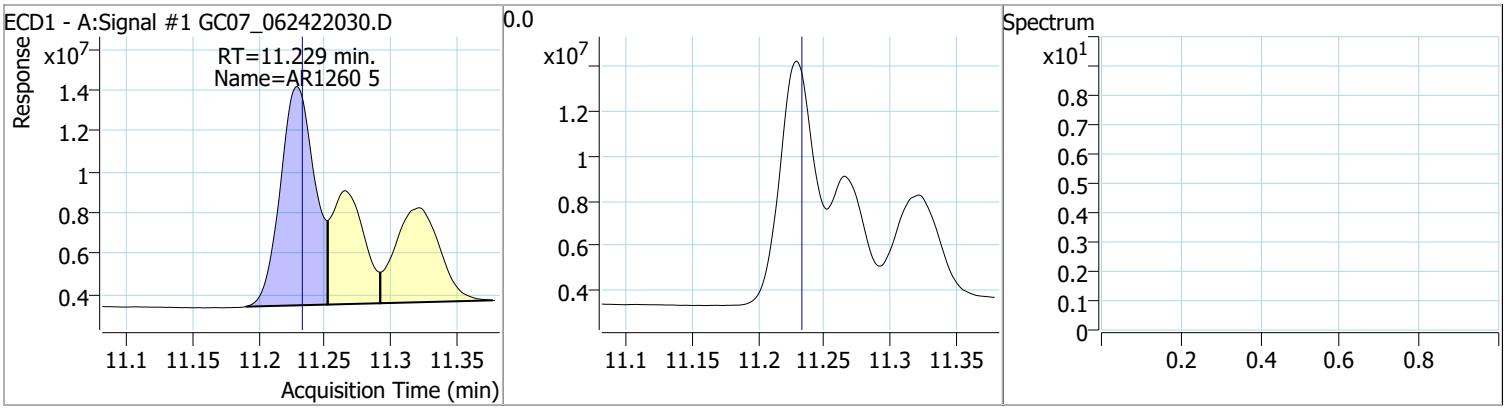
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1825.5404	10.55	0.00	7387671				



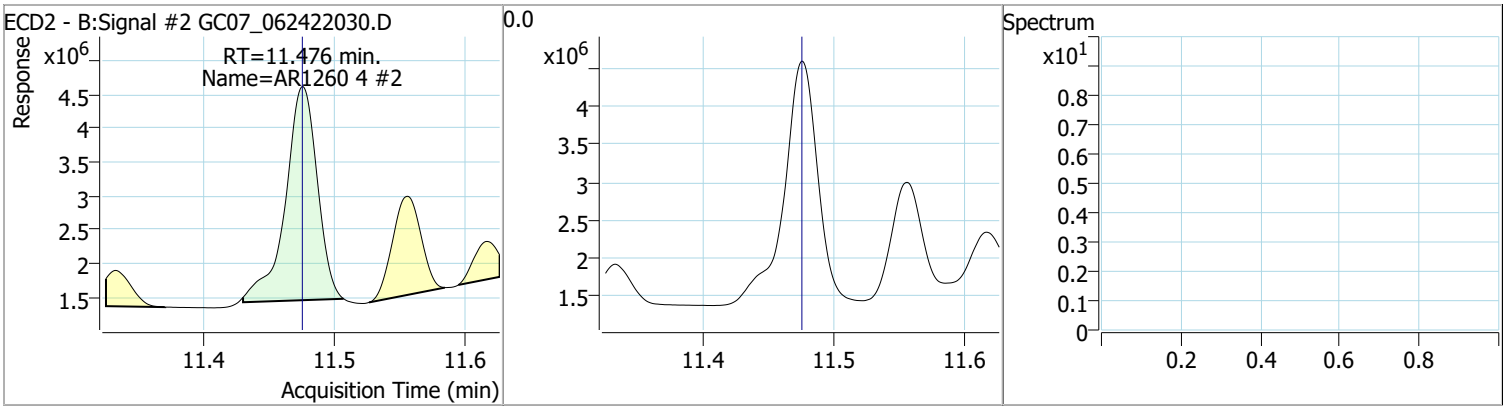
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1983.7079	11.03	0.00	9880983				



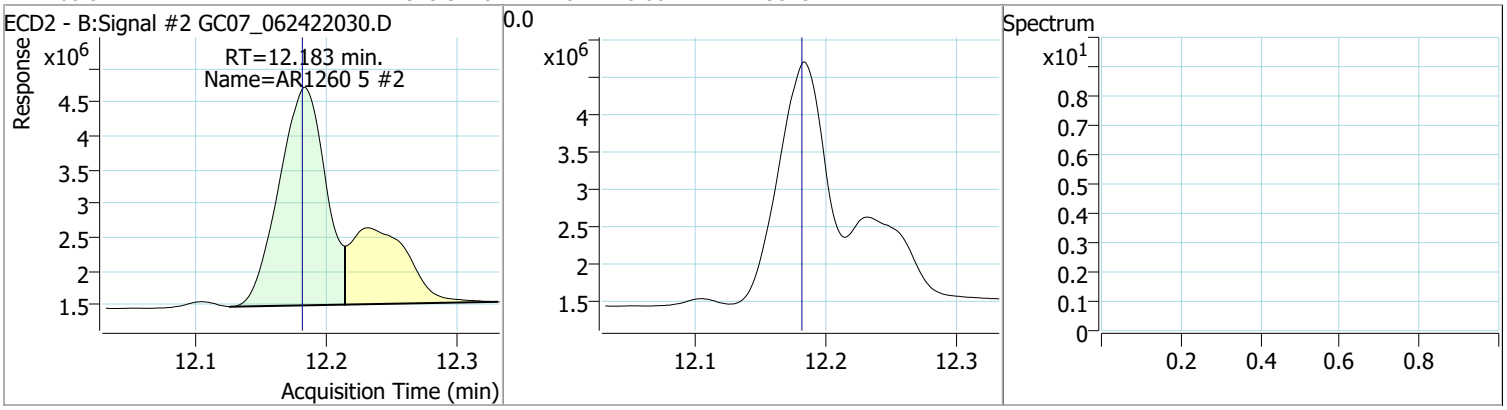
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	2142.4779	11.23	0.00	19446572				



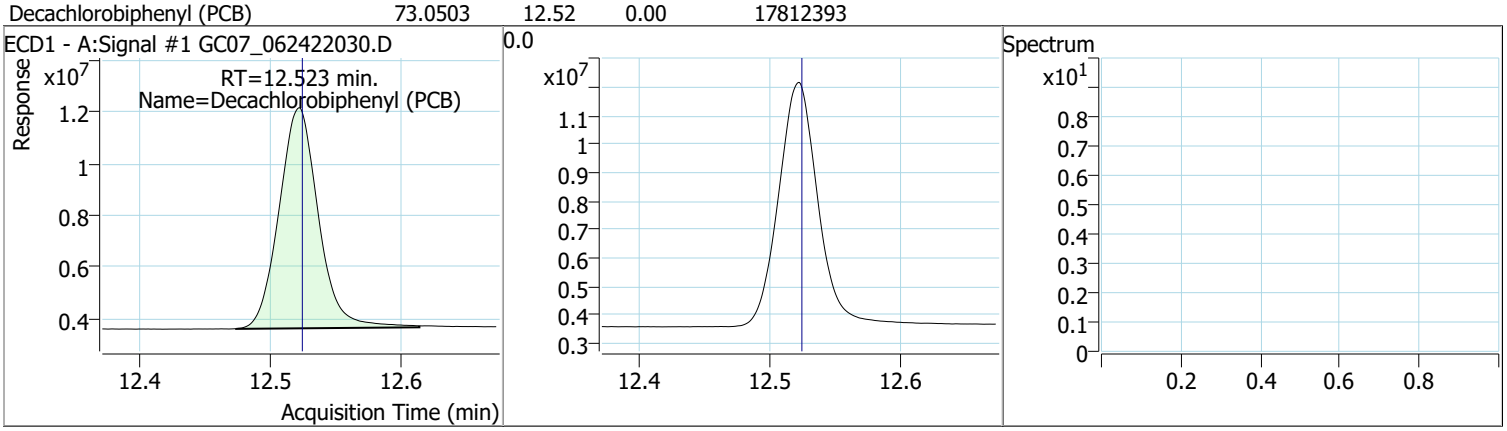
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1902.6228	11.48	0.00	5317224				



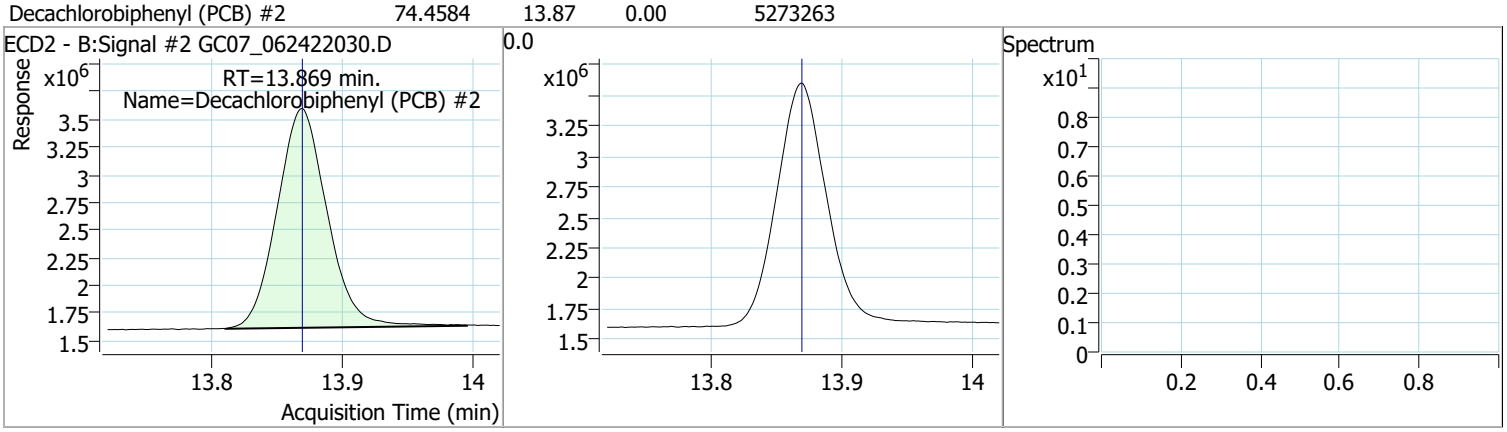
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1979.9418	12.18	0.00	7951542				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	73.0503	12.52	0.00	17812393				

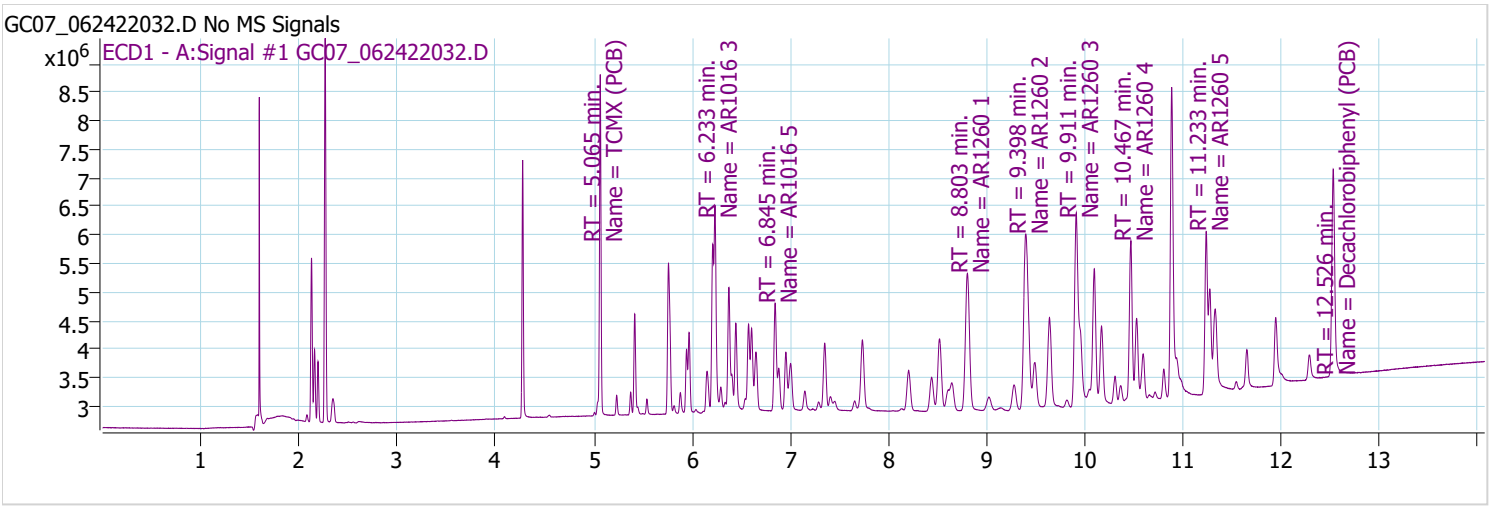


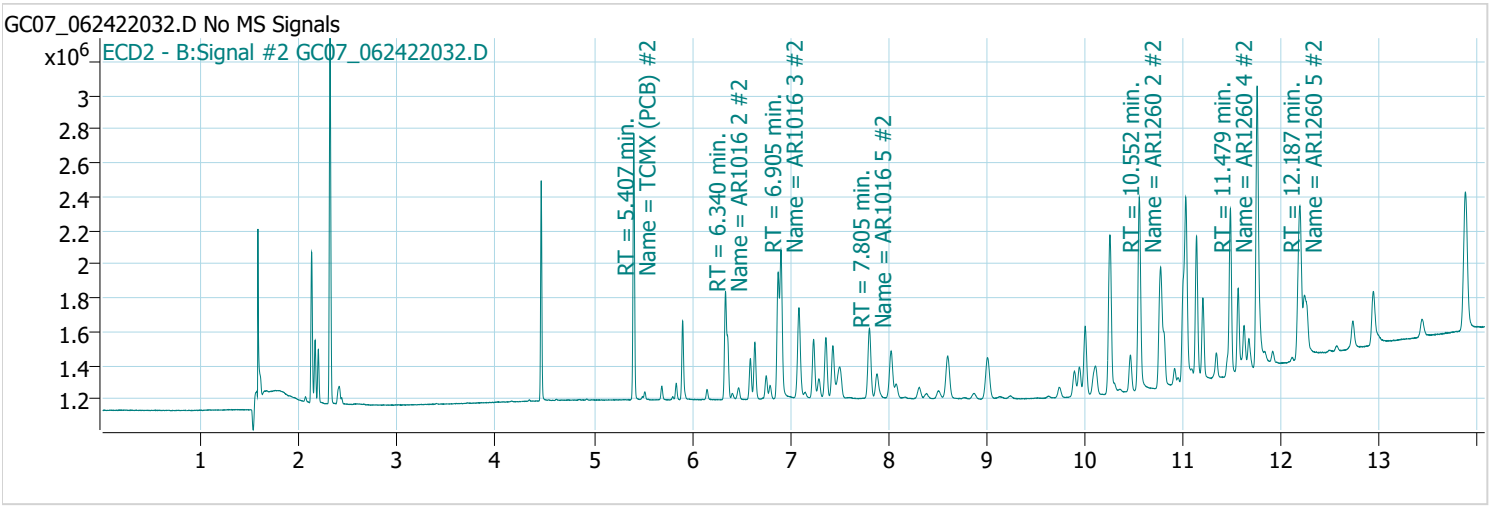
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	74.4584	13.87	0.00	5273263				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422032.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 3:34:47 AM
Sample Name	ICV, S16460	Instrument	SVOA-GC07
Vial	20	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	ICV PCB 500 PPB
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



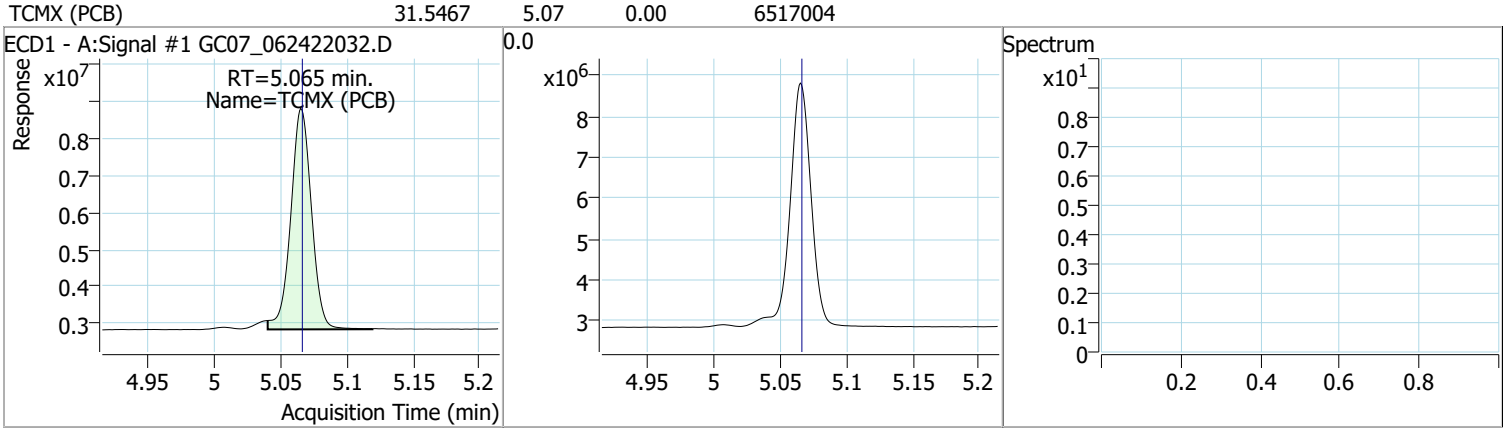


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.276	0.0	4380001.545	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.464	0.0	1162375.121	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.065	0.0	6517003.537	31.5467	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 157.73%		*	
S TCMX (PCB) #2	5.407	0.0	1736280.471	32.9142	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 164.57%		*	
S Decachlorobiphenyl (PCB)	12.526	0.0	7630932.148	31.1884	ng/ml		0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 155.94%		*	
S Decachlorobiphenyl (PCB) #2	13.871	0.0	2272784.465	31.7537	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 158.77%		*	
Target Compounds							QValue

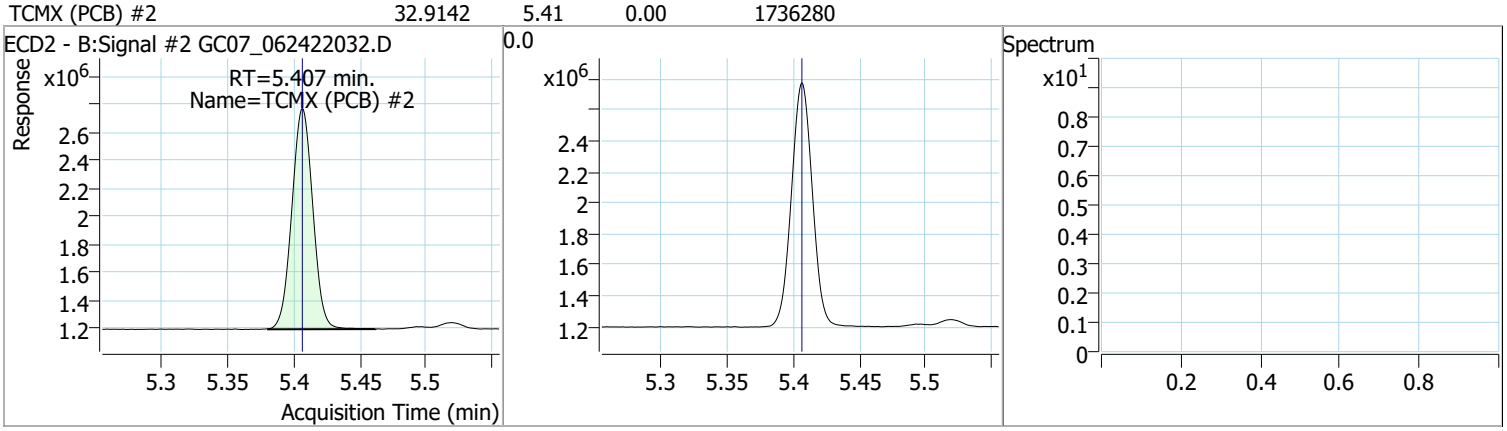
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.416	0.0	2178837.717	518.5224	ng/ml	m	100
T AR1016 2	5.760	0.0	4642693.939	509.7870	ng/ml		100
T AR1016 1 #2	5.904	0.0	621423.878	530.8730	ng/ml		100
T AR1016 3	6.233	0.0	5342379.321	506.5822	ng/ml		100
T AR1016 2 #2	6.340	0.0	1335548.891	523.9591	ng/ml		100
T AR1016 4	6.375	0.0	4069231.258	536.5765	ng/ml	m	100
T AR1016 5	6.845	0.0	3270931.448	517.8017	ng/ml		100
T AR1016 3 #2	6.905	0.0	1520880.636	520.1666	ng/ml		100
T AR1016 4 #2	7.088	0.0	1079057.494	531.7470	ng/ml		100
T AR1016 5 #2	7.805	0.0	884088.226	521.5449	ng/ml		100
T AR1260 1	8.803	0.0	7014371.141	525.8207	ng/ml		100
T AR1260 2	9.398	0.0	10362586.885	541.1417	ng/ml		100
T AR1260 3	9.911	0.0	10584612.381	545.4391	ng/ml		100
T AR1260 1 #2	10.253	0.0	2028569.774	551.0518	ng/ml		100
T AR1260 4	10.467	0.0	5296031.081	533.8558	ng/ml		100
T AR1260 2 #2	10.552	0.0	2268856.319	554.7438	ng/ml		100
T AR1260 3 #2	11.024	0.0	2956424.368	587.2809	ng/ml		100
T AR1260 5	11.233	0.0	5010403.817	550.1250	ng/ml		100
T AR1260 4 #2	11.479	0.0	1589082.205	562.6206	ng/ml		100
T AR1260 5 #2	12.187	0.0	2266612.500	558.4443	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

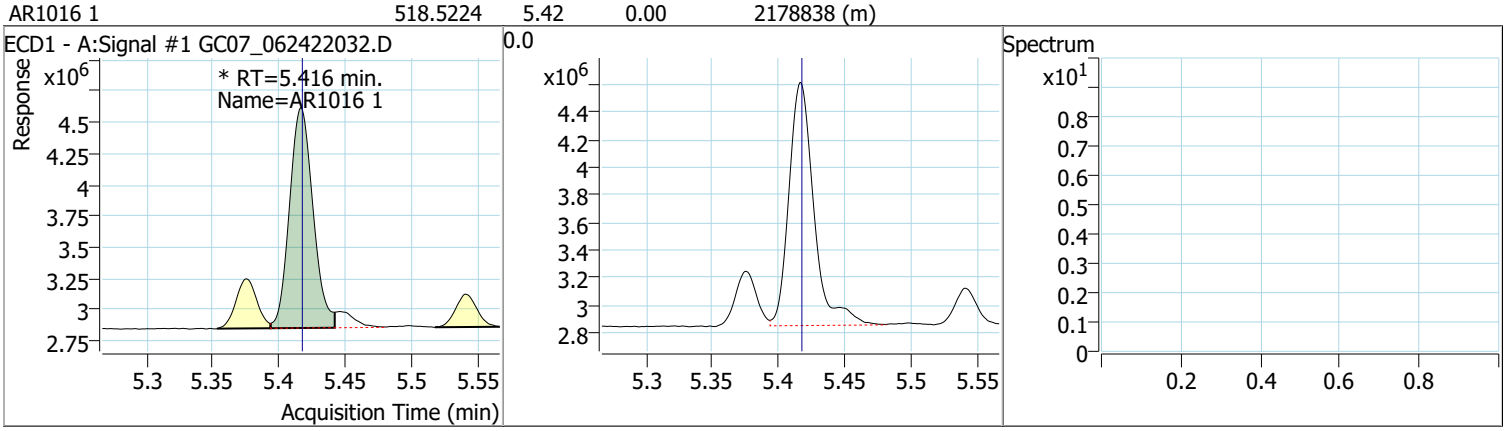
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	31.5467	5.07	0.00	6517004				



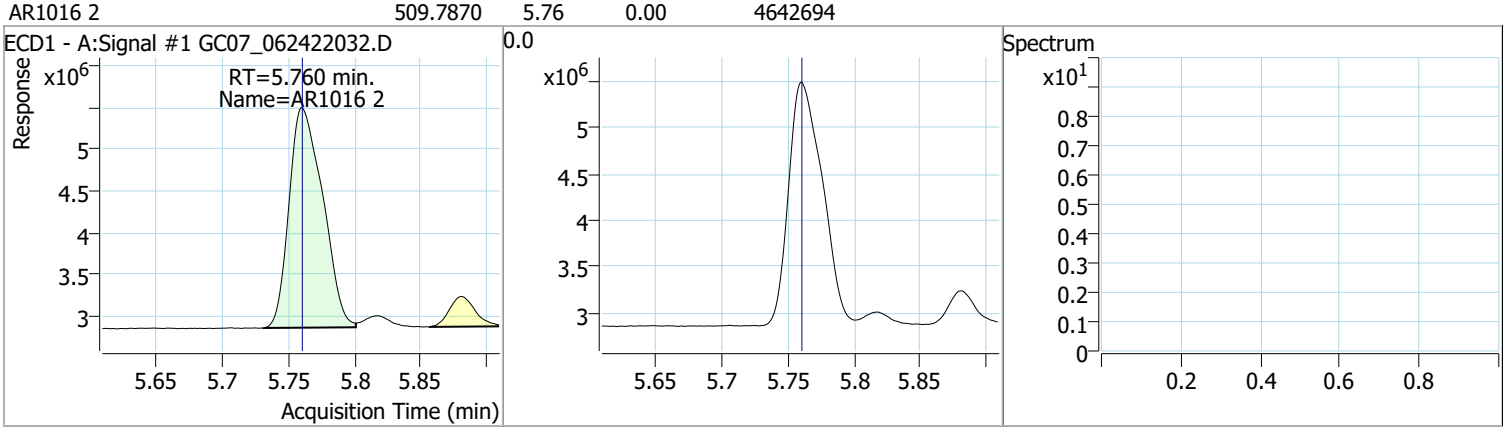
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	32.9142	5.41	0.00	1736280				



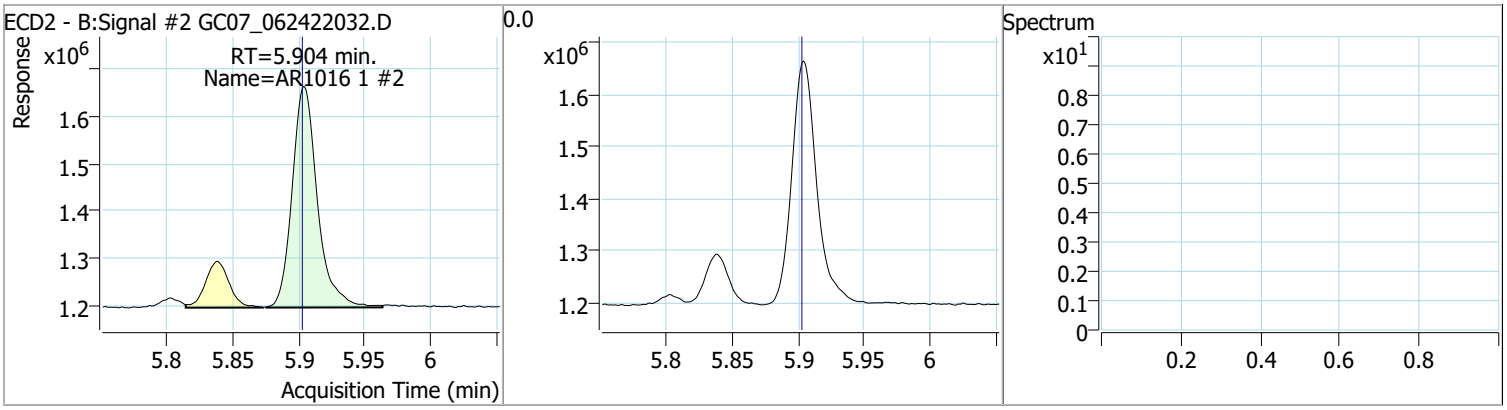
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	518.5224	5.42	0.00	2178838 (m)				



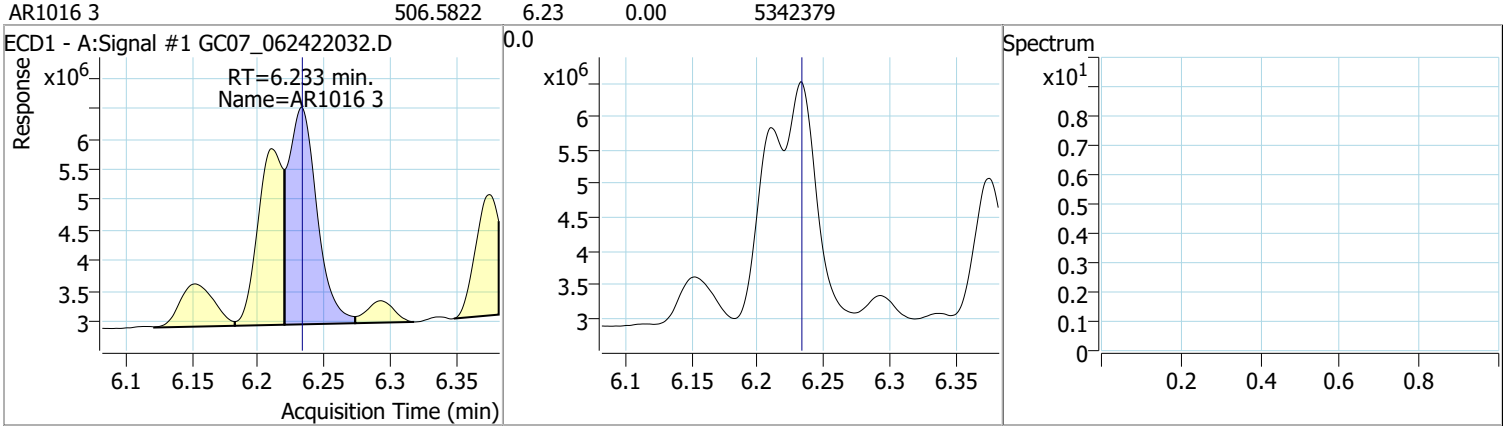
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	509.7870	5.76	0.00	4642694				



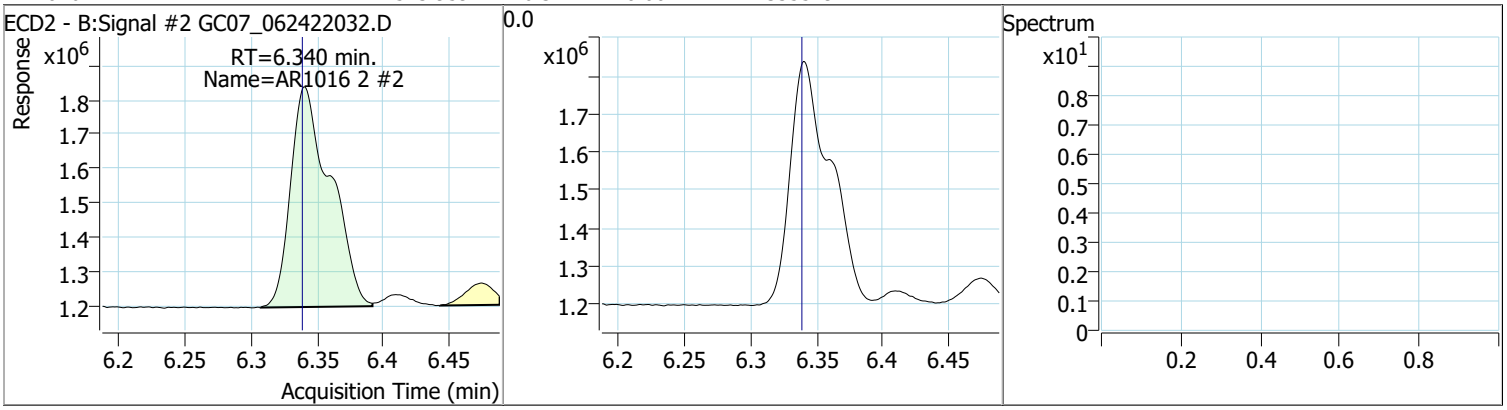
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	530.8730	5.90	0.00	621424				



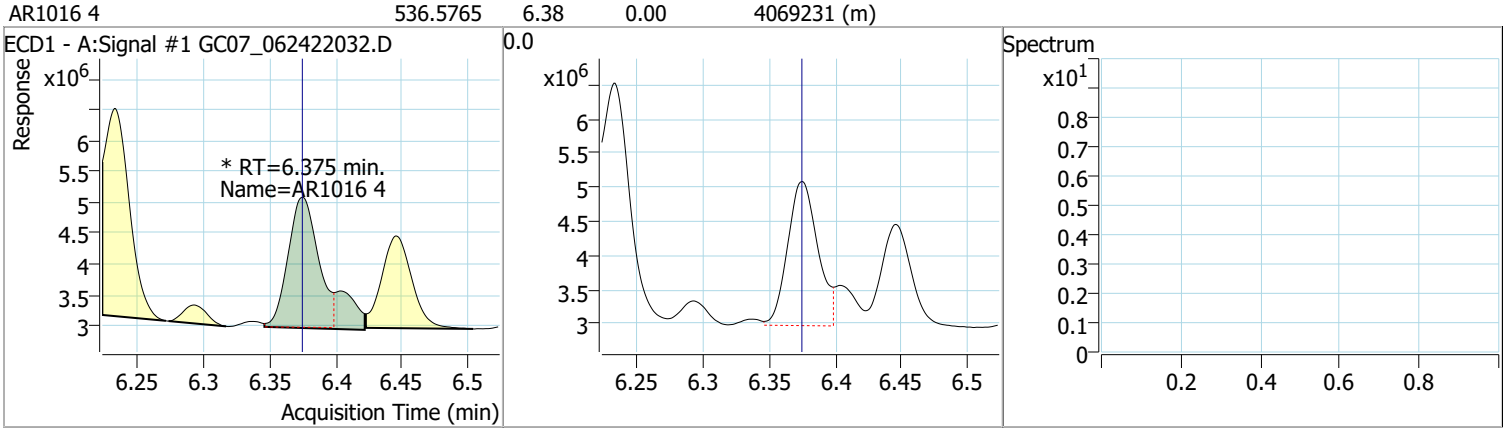
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	506.5822	6.23	0.00	5342379				



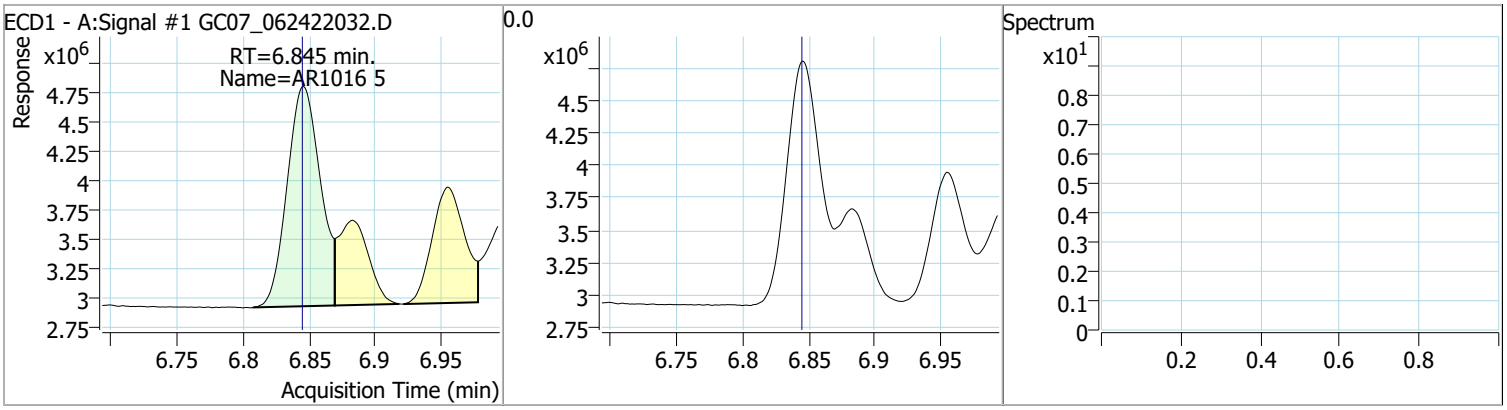
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	523.9591	6.34	0.00	1335549				



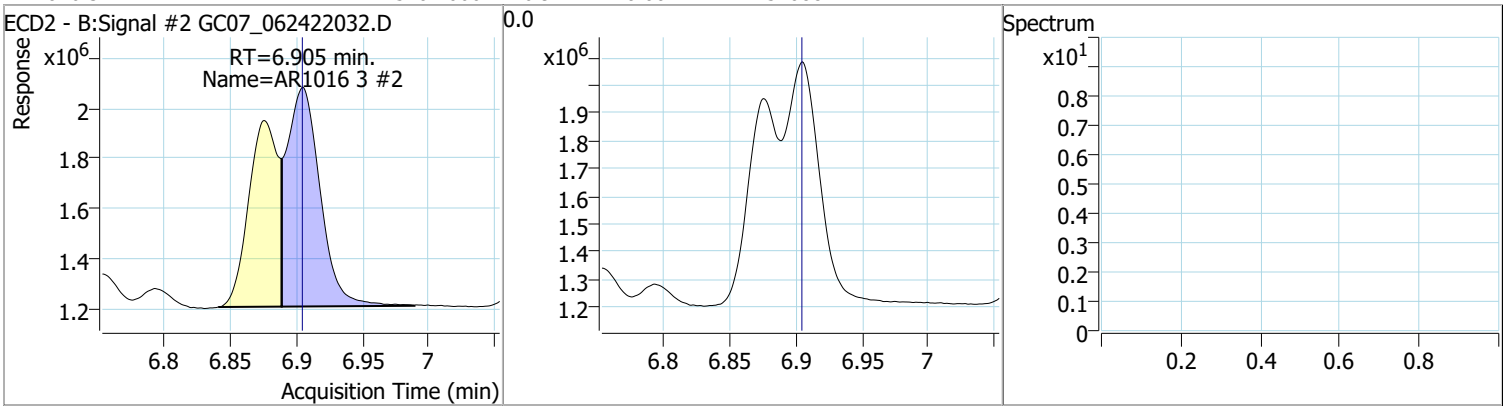
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	536.5765	6.38	0.00	4069231 (m)				



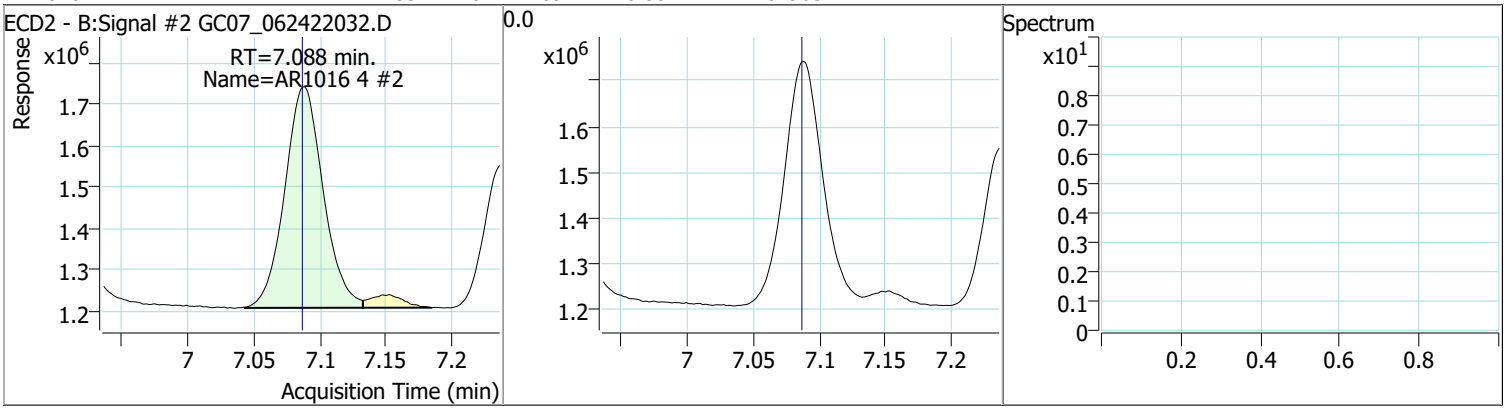
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	517.8017	6.85	0.00	3270931				



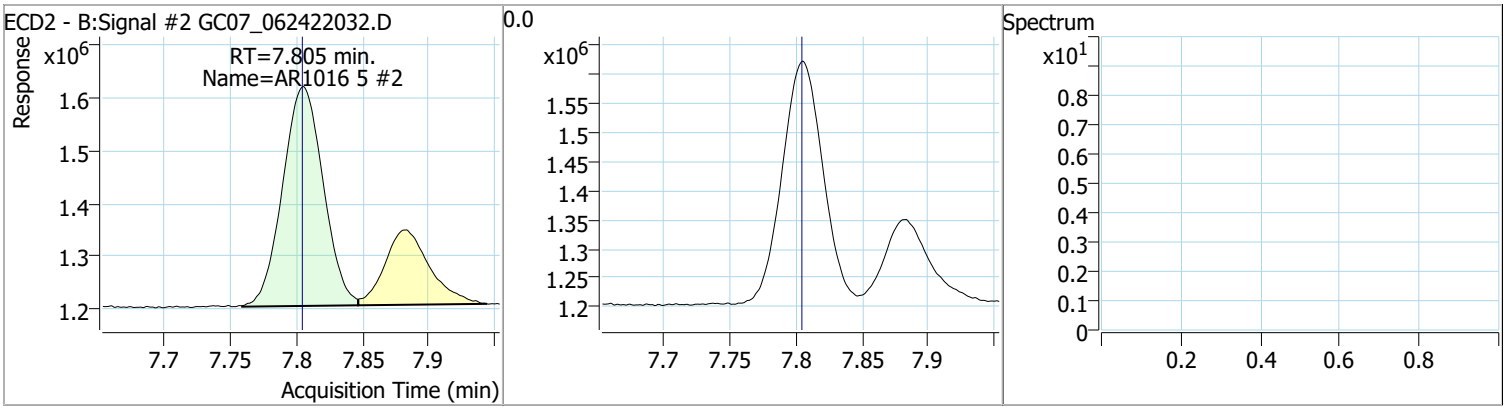
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	520.1666	6.91	0.00	1520881				



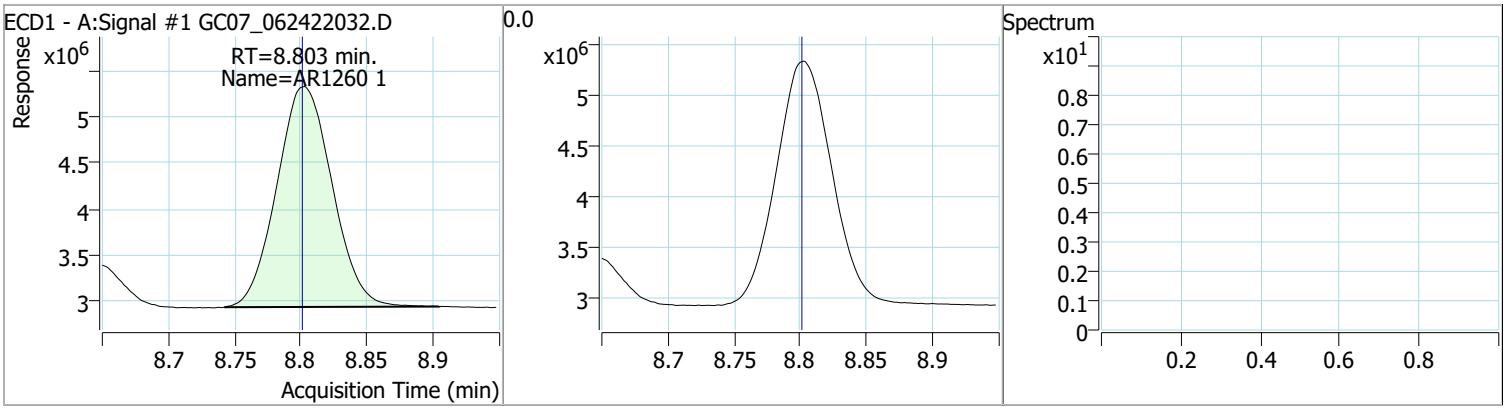
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	531.7470	7.09	0.00	1079057				



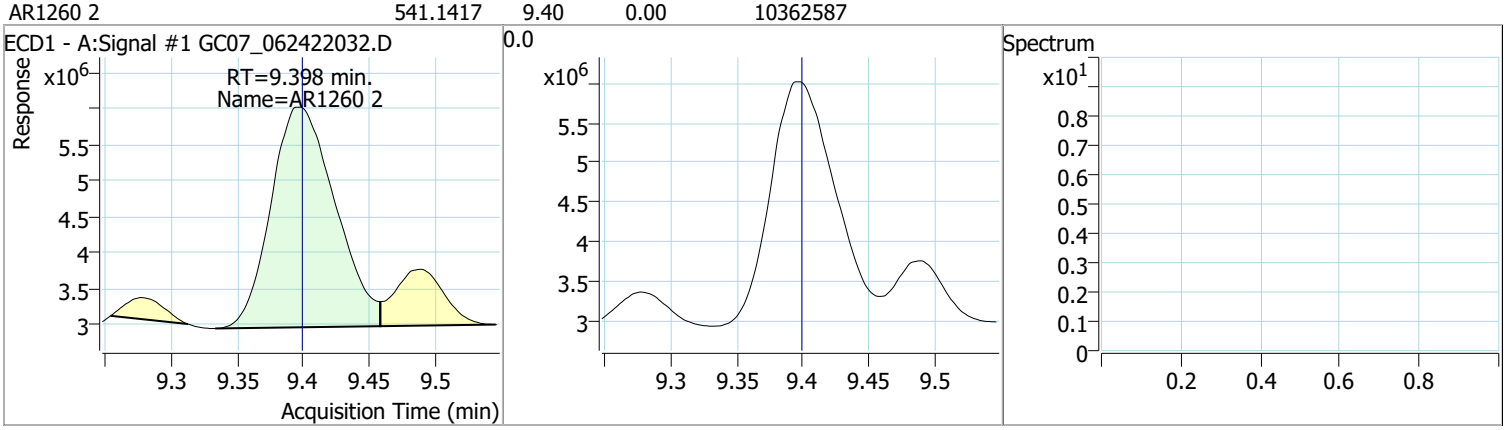
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	521.5449	7.81	0.00	884088				



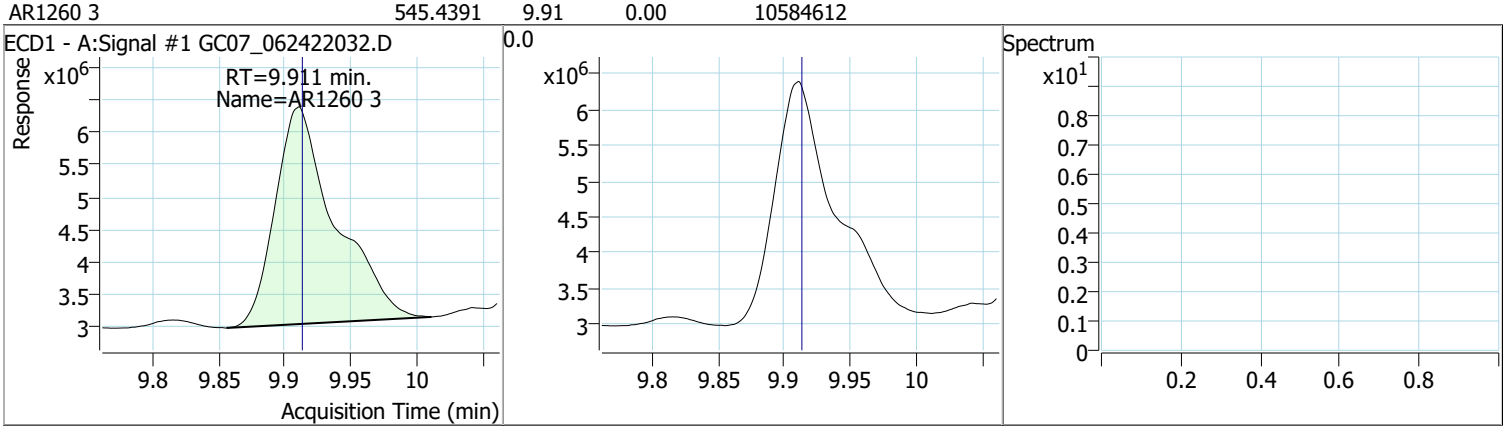
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	525.8207	8.80	0.00	7014371				



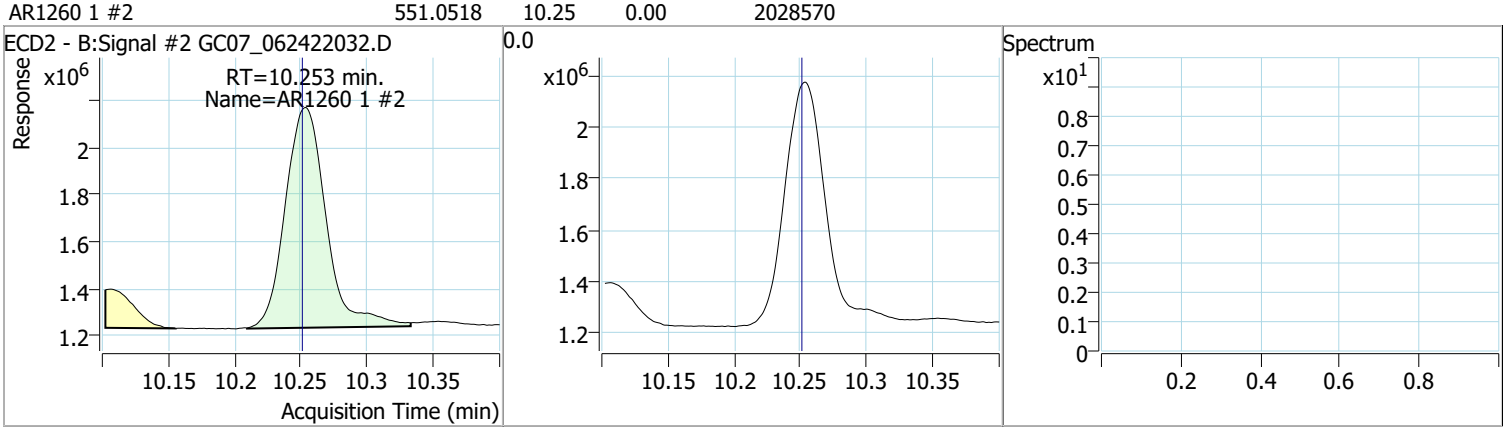
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	541.1417	9.40	0.00	10362587				



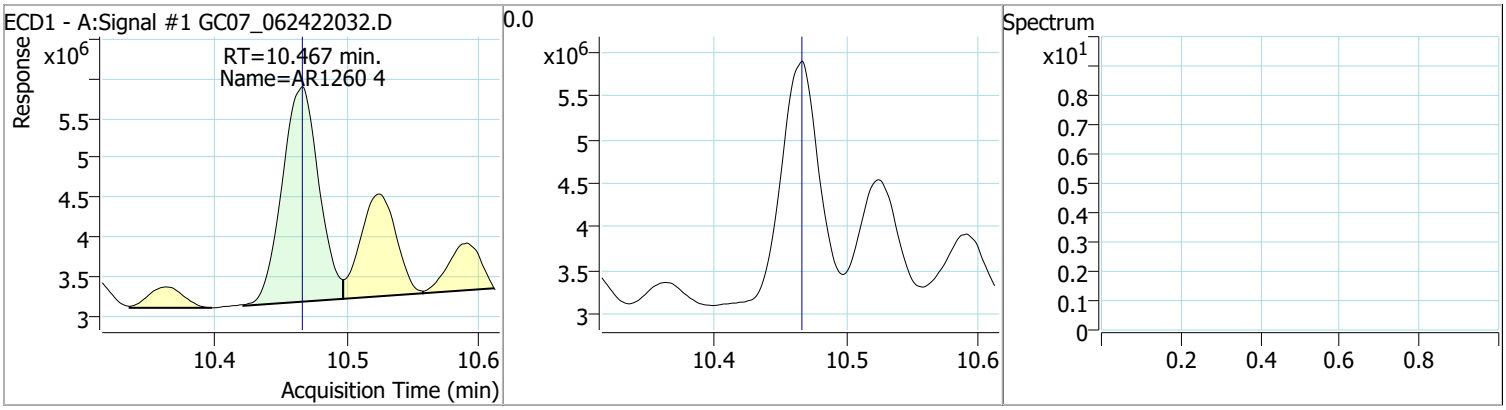
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	545.4391	9.91	0.00	10584612				



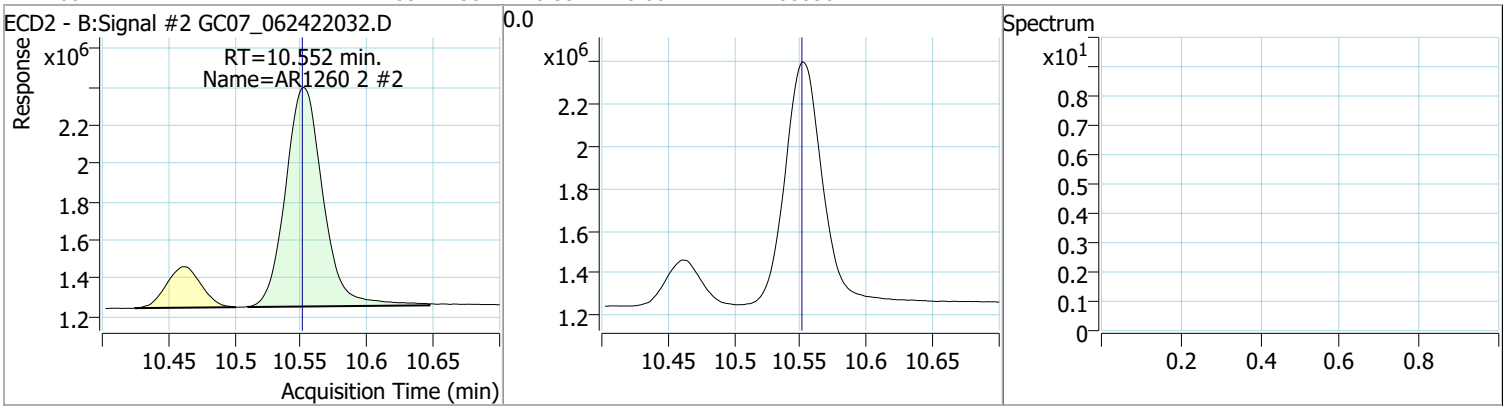
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	551.0518	10.25	0.00	2028570				



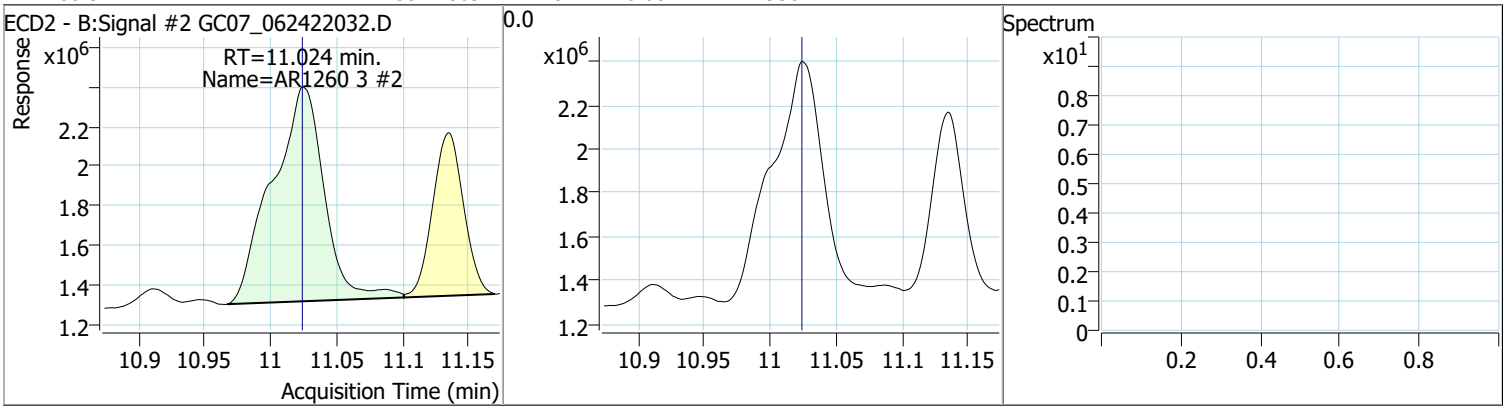
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	533.8558	10.47	0.00	5296031				



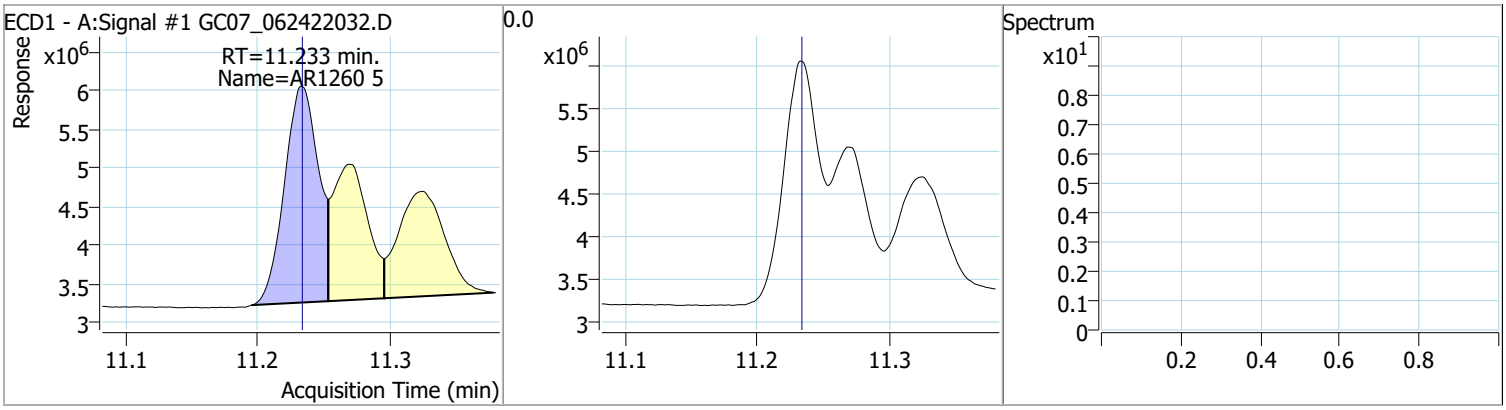
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	554.7438	10.55	0.00	2268856				



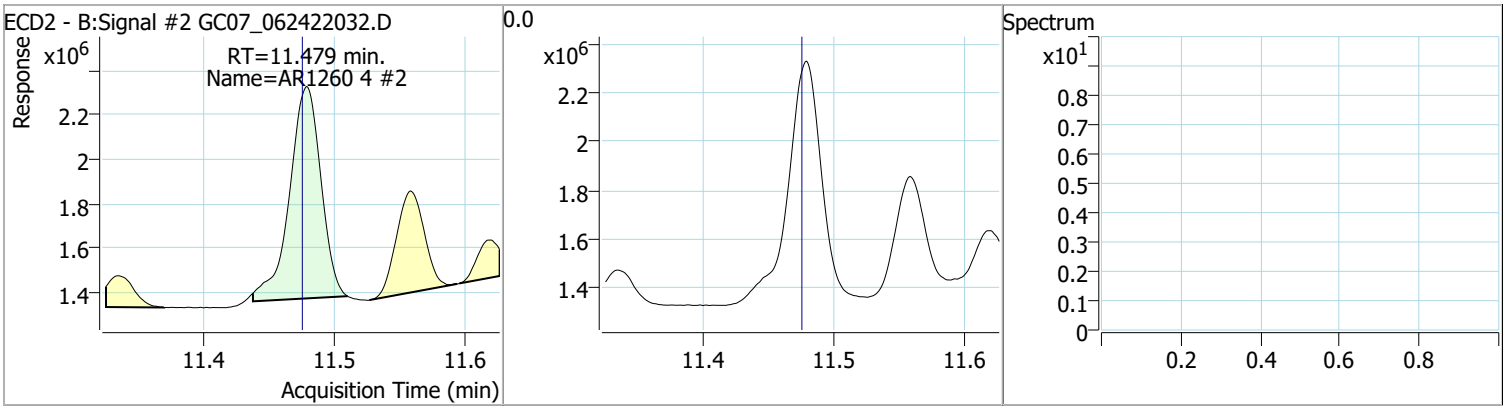
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	587.2809	11.02	0.00	2956424				



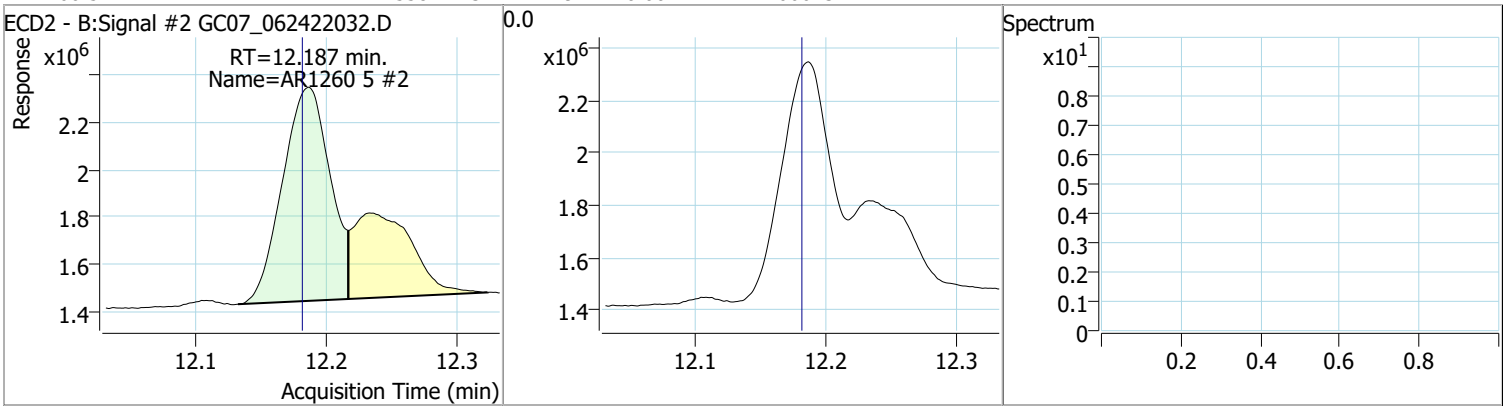
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	550.1250	11.23	0.00	5010404				



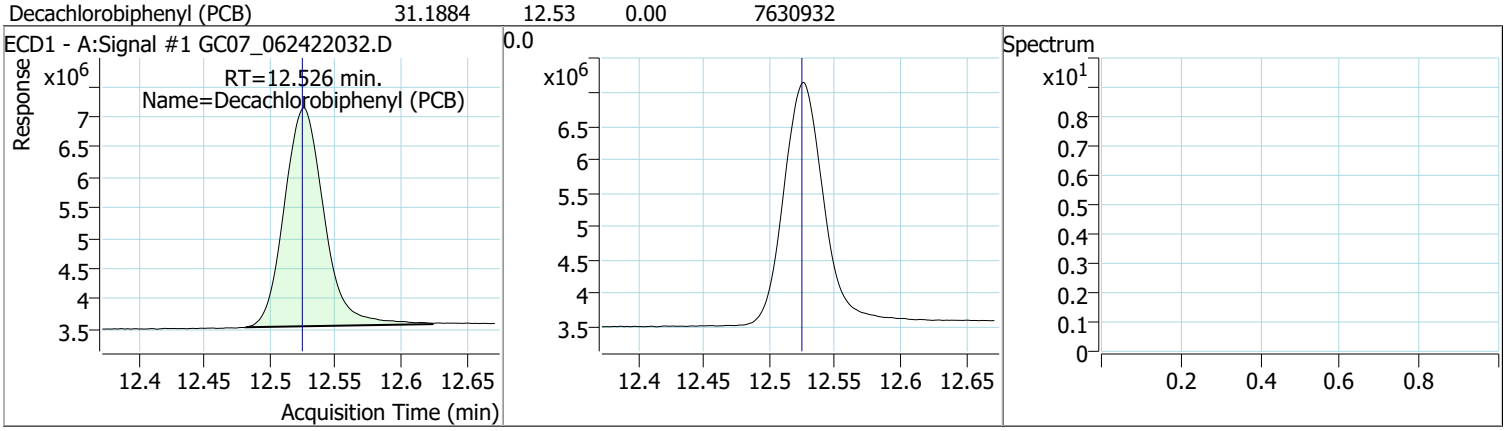
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	562.6206	11.48	0.00	1589082				



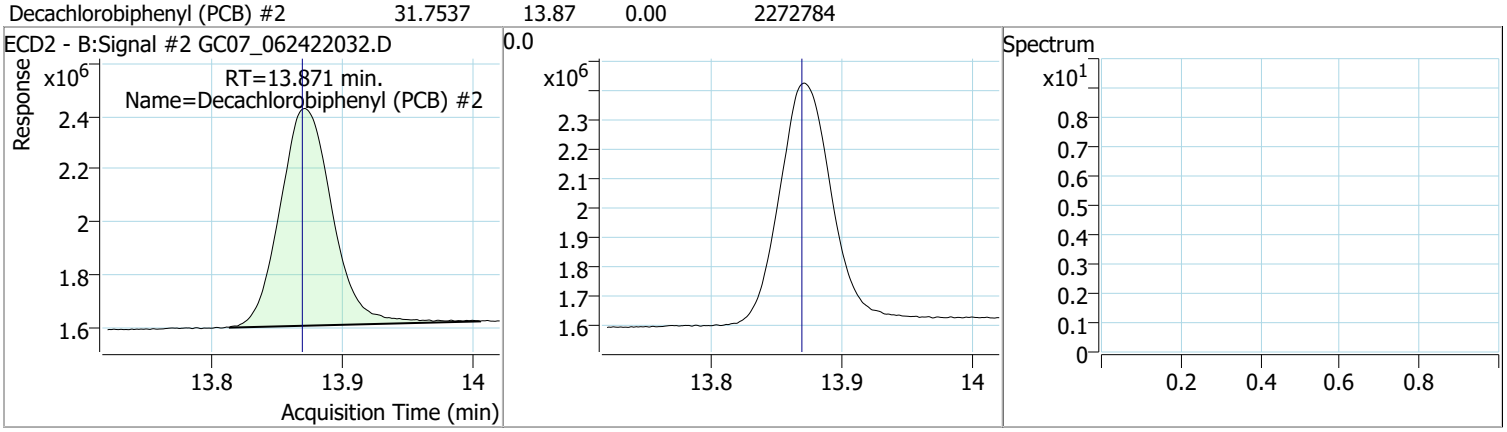
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	558.4443	12.19	0.00	2266613				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	31.1884	12.53	0.00	7630932				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	31.7537	13.87	0.00	2272784				



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 464779 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07			IDF:	1.0
Seqnum:	462258436004	File:	gc07_062822004	Time:	28-JUN-2022 11:51
Cal:	462252739001	Caldate:	25-JUN-2022		

Standards: S17006

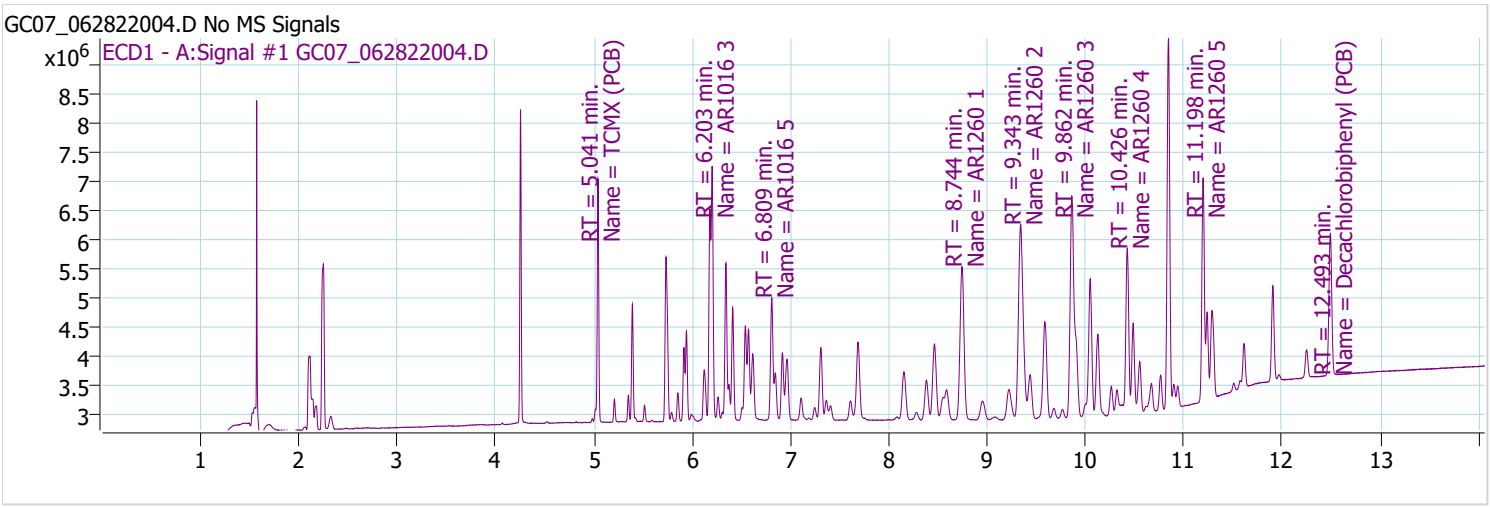
Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	462.7	ug/L	-7	15	0.0000	
Aroclor-1260	A			500.0	510.2	ug/L	2	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.1166	0.9481	20.00	16.98	pg/uL	-15	15	0.0000	
TCMX (PCB)	A	0.9428	0.8600	20.00	18.24	pg/uL	-9	15	0.0000	
Aroclor-1016	B			500.0	491.3	ug/L	-2	15	0.0000	
Aroclor-1260	B			500.0	506.3	ug/L	1	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2309	1.0800	20.00	17.55	pg/uL	-12	15	0.0000	
TCMX (PCB)	B	0.9071	0.8655	20.00	19.08	pg/uL	-5	15	0.0000	

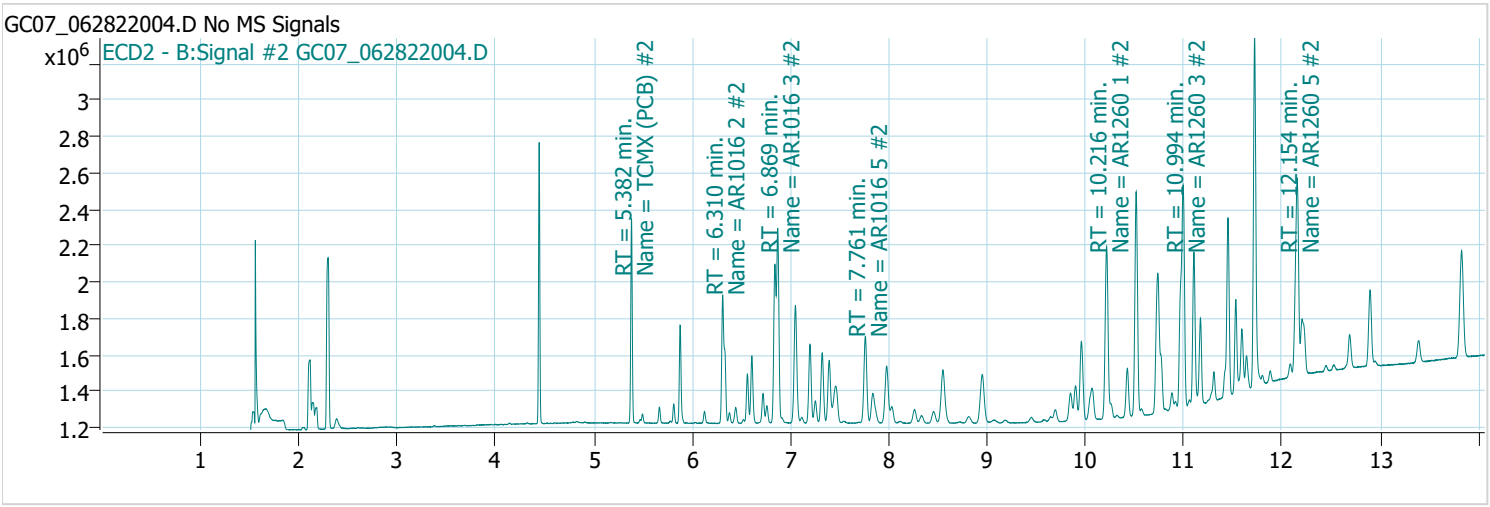
ISTD (ICAL gc07_062422023)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1166029	1389469	19.16
1-bromo-2-nitrobenzene (PCB)	A	4421081	5233508	18.38

Analyst: TRN 06/28/22 **Reviewer:** SLL 06/28/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_062822004.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/28/2022 11:51:24 AM
Sample Name	CCV, S17006	Instrument	SVOA-GC07
Vial	144	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_2.m	Comment	500 PPB PCB
Tune File	ATUNE.U	Tune Date	
Batch Name	062822PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



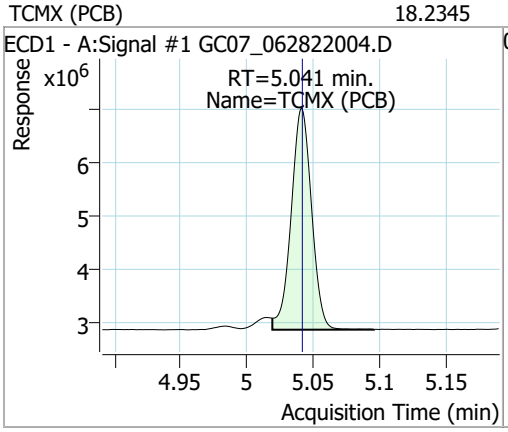


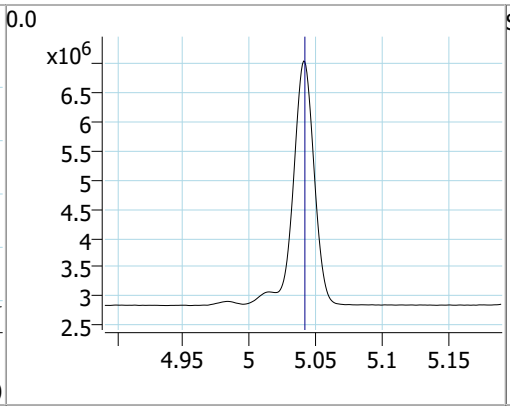
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.253	0.0	5233508.100	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.443	0.0	1389468.650	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.041	0.0	4500986.521	18.2345	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 91.17%		
S TCMX (PCB) #2	5.382	0.0	1202568.787	19.0709	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 95.35%		
S Decachlorobiphenyl (PCB)	12.493	0.0	4961928.958	16.9726	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 84.86%		
S Decachlorobiphenyl (PCB) #2	13.828	0.0	1500682.551	17.5397	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 87.70%		
Target Compounds						QValue

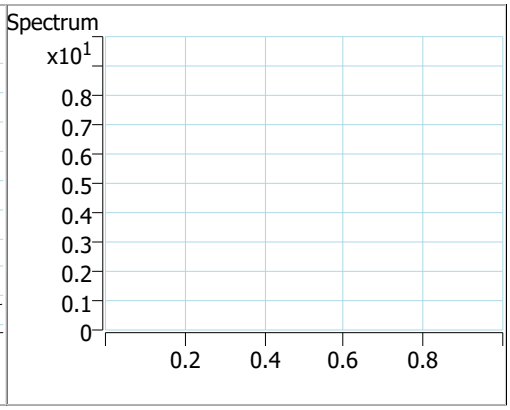
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.391	0.0	2365298.436	471.0966	ng/ml	100
T AR1016 2	5.733	0.0	4927063.941	452.7811	ng/ml	100
T AR1016 1 #2	5.877	0.0	670759.537	479.3659	ng/ml	100
T AR1016 3	6.203	0.0	6047853.656	479.9520	ng/ml	100
T AR1016 2 #2	6.310	0.0	1437129.412	471.6622	ng/ml	100
T AR1016 4	6.343	0.0	3889610.364	429.2465	ng/ml	100
T AR1016 5	6.809	0.0	3618666.108	479.4264	ng/ml	100
T AR1016 3 #2	6.869	0.0	1754709.336	502.0536	ng/ml	100
T AR1016 4 #2	7.049	0.0	1257840.829	518.5417	ng/ml	100
T AR1016 5 #2	7.761	0.0	979880.133	483.5781	ng/ml	100
T AR1260 1	8.744	0.0	7442303.496	466.9149	ng/ml	100
T AR1260 2	9.343	0.0	11014598.018	481.3853	ng/ml	100
T AR1260 3	9.862	0.0	12190060.957	525.7249	ng/ml	100
T AR1260 1 #2	10.216	0.0	2086835.333	474.2291	ng/ml	100
T AR1260 4	10.426	0.0	5307953.235	447.7978	ng/ml	100
T AR1260 2 #2	10.517	0.0	2320659.457	474.6729	ng/ml	100
T AR1260 3 #2	10.994	0.0	3196046.593	531.1165	ng/ml	100
T AR1260 5	11.198	0.0	6830863.197	627.6905	ng/ml	100
T AR1260 4 #2	11.451	0.0	1791211.762	530.5347	ng/ml	100
T AR1260 5 #2	12.154	0.0	2520832.260	519.5700	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

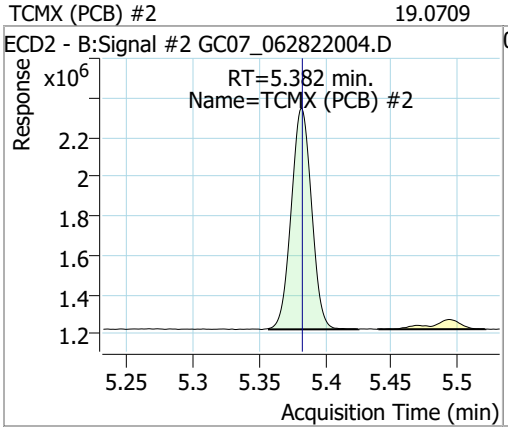
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	18.2345	5.04	0.00	4500987				

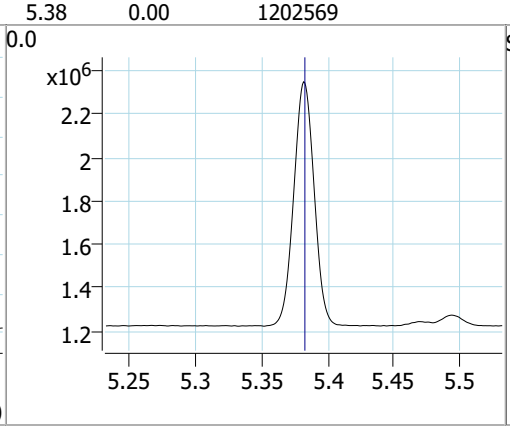


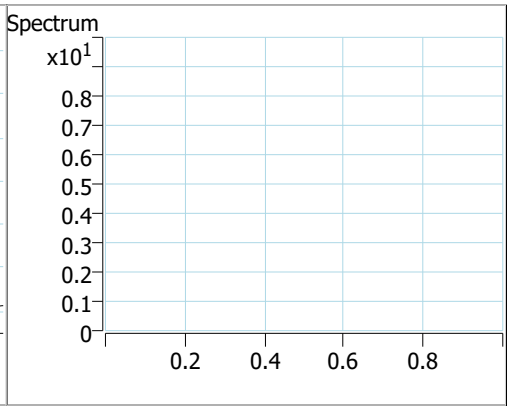




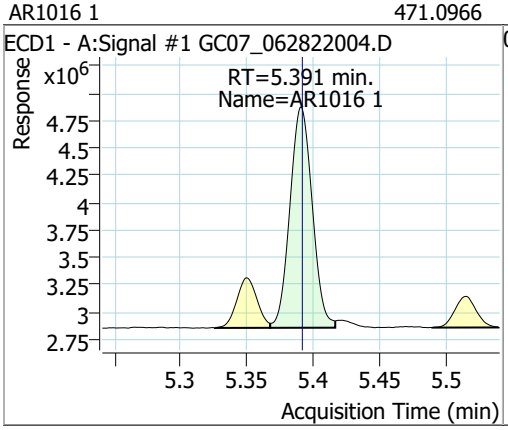
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	19.0709	5.38	0.00	1202569				

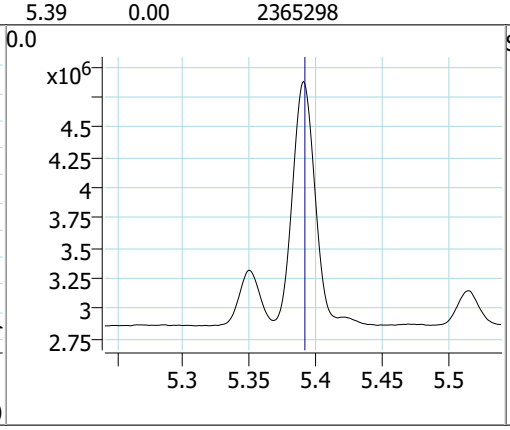


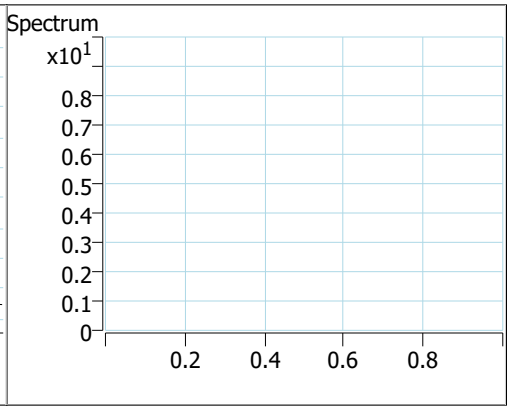




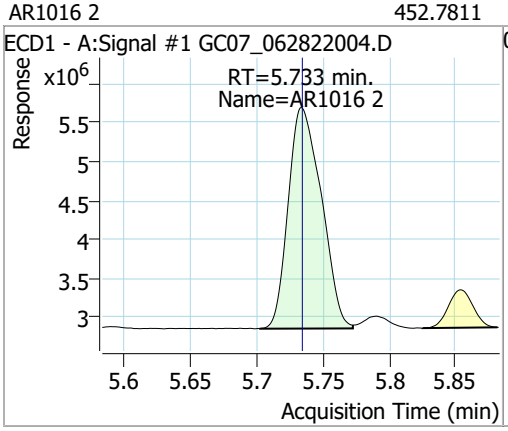
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	471.0966	5.39	0.00	2365298				

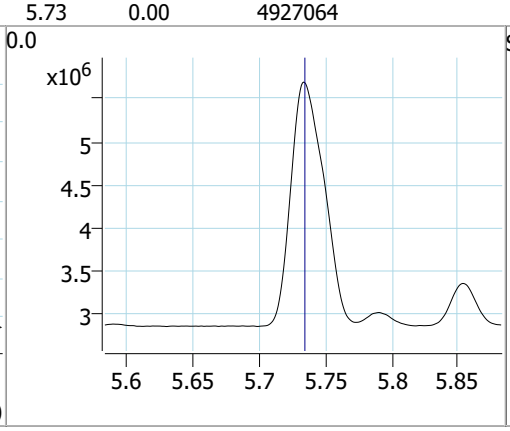


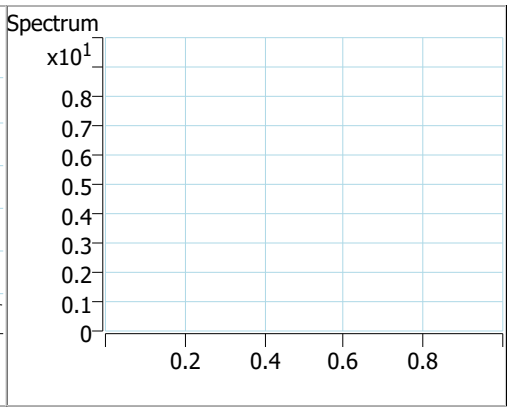




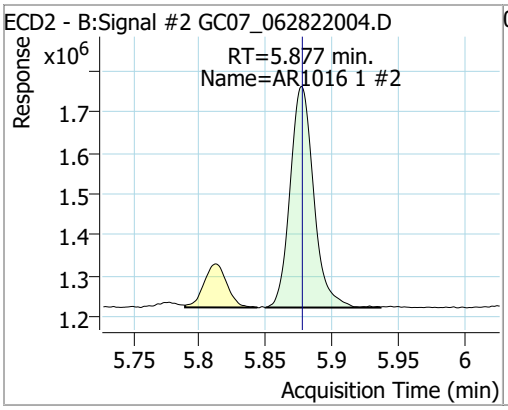
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	452.7811	5.73	0.00	4927064				

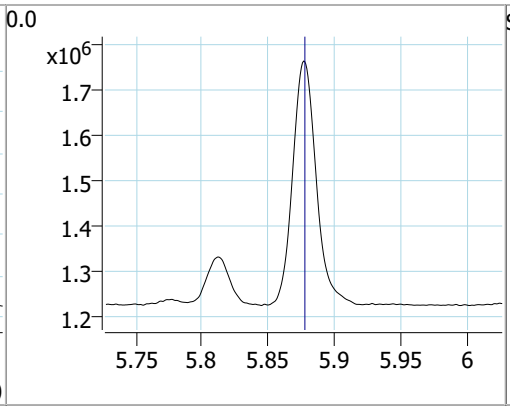


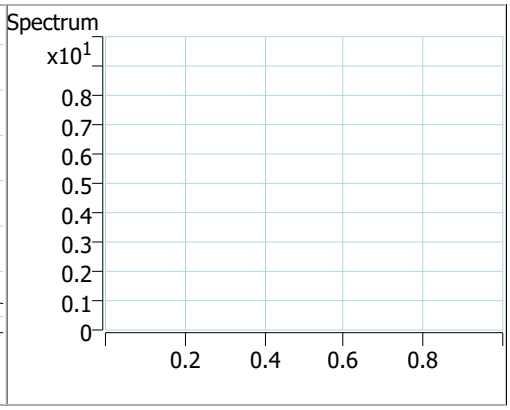




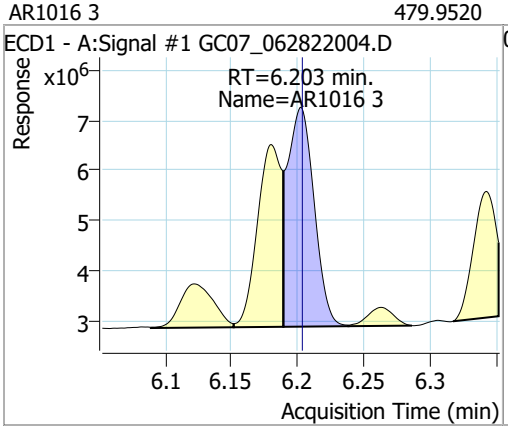
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	479.3659	5.88	0.00	670760				

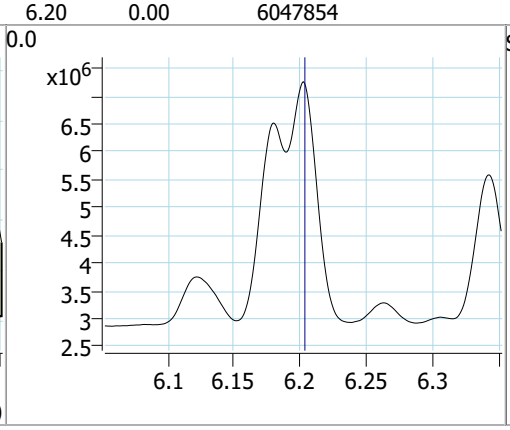


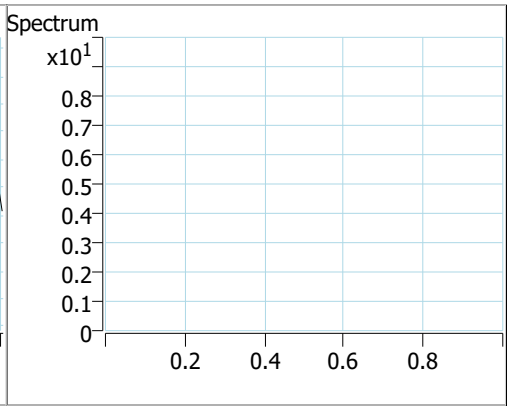




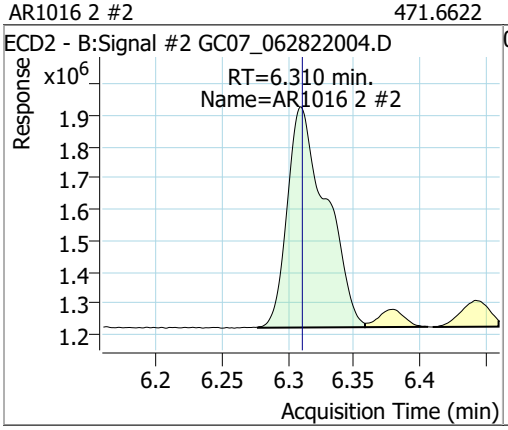
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	479.9520	6.20	0.00	6047854				

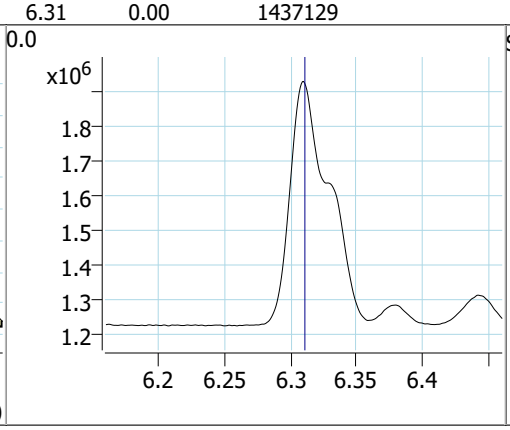


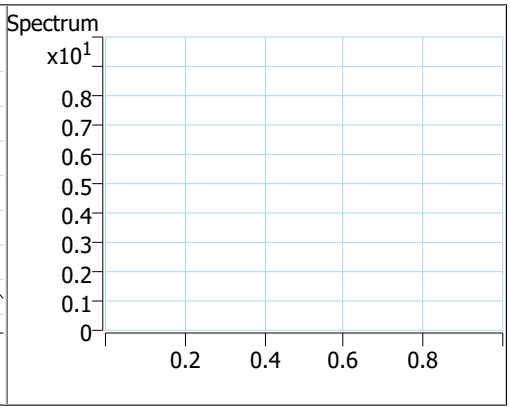




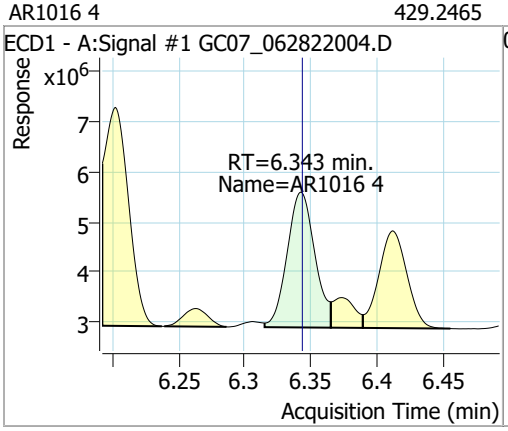
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	471.6622	6.31	0.00	1437129				

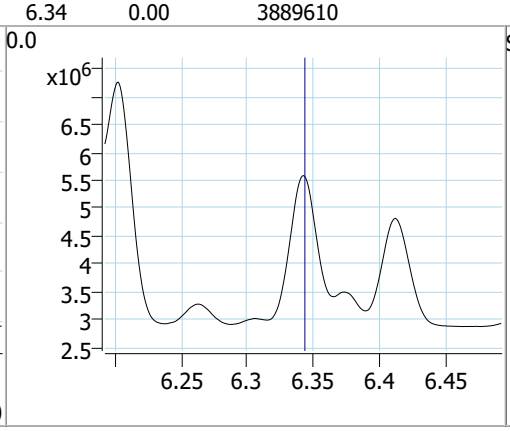


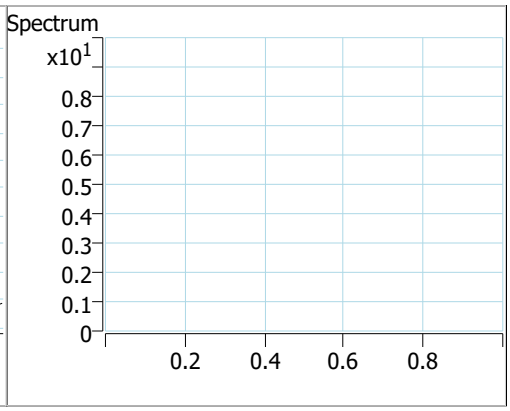




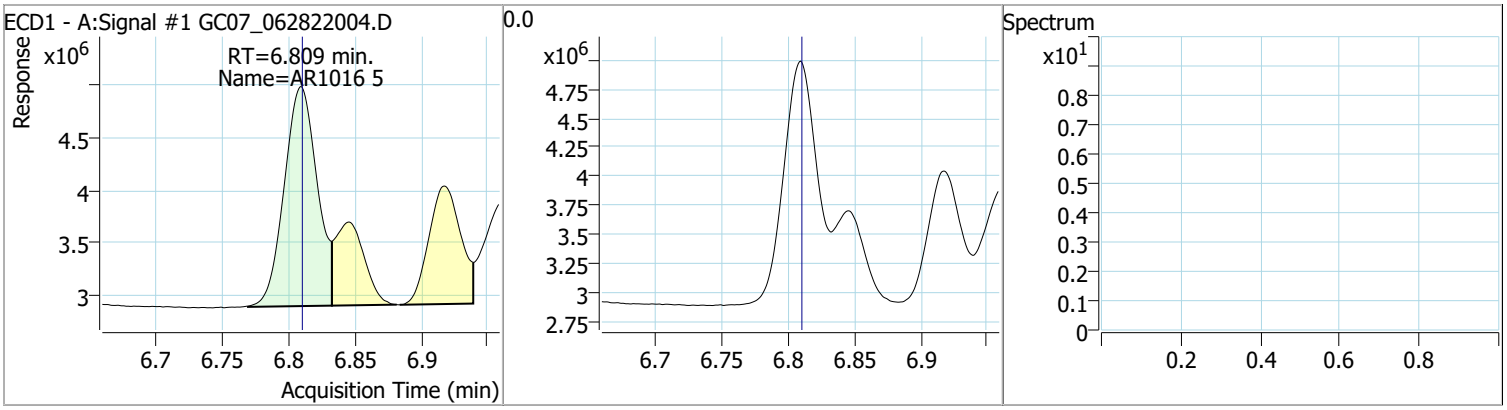
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	429.2465	6.34	0.00	3889610				



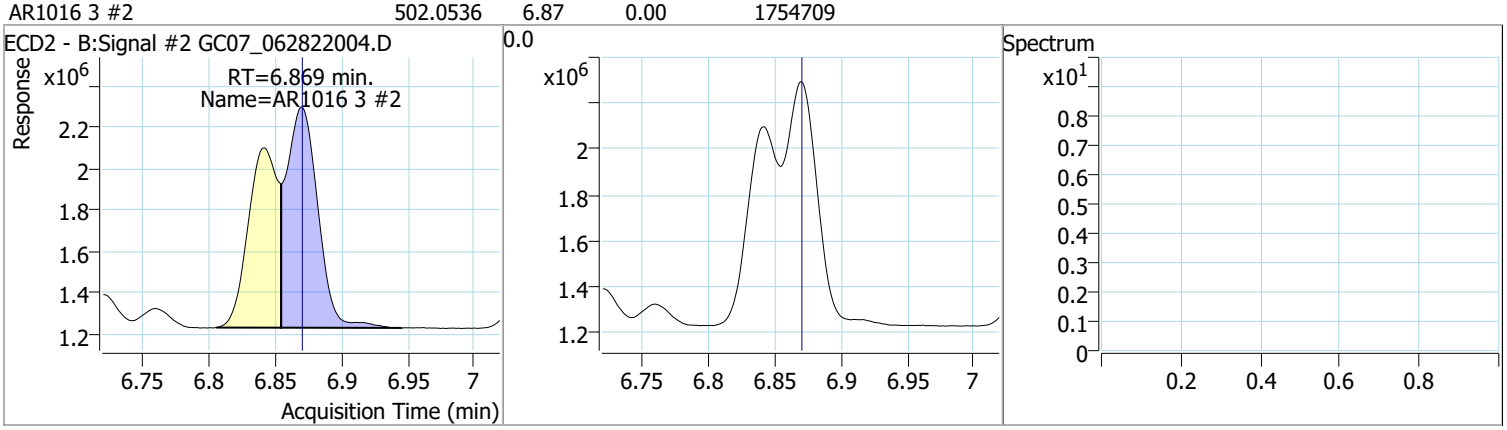




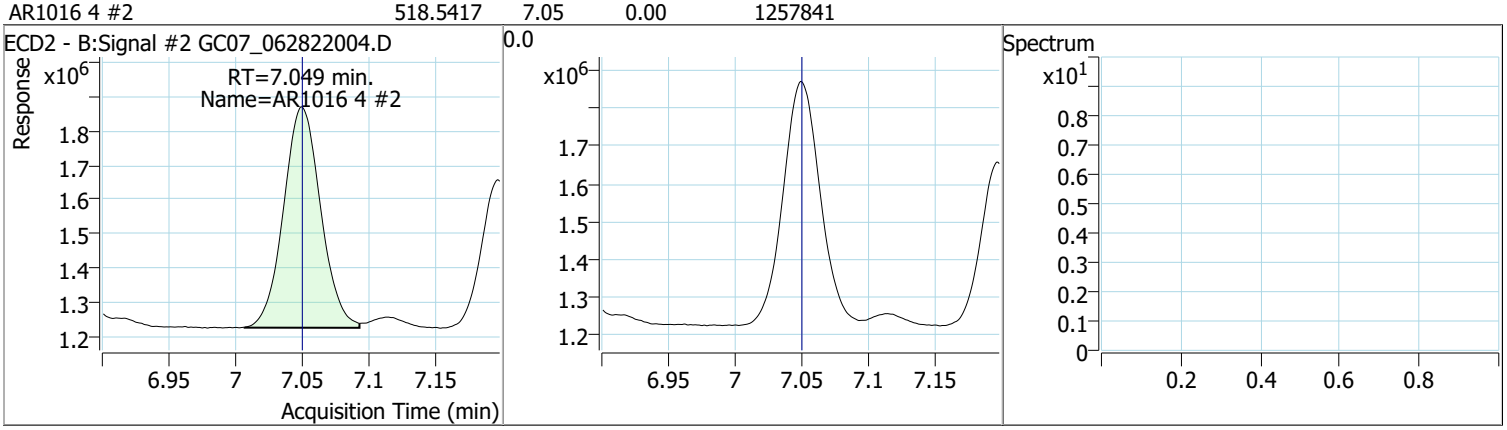
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	479.4264	6.81	0.00	3618666				



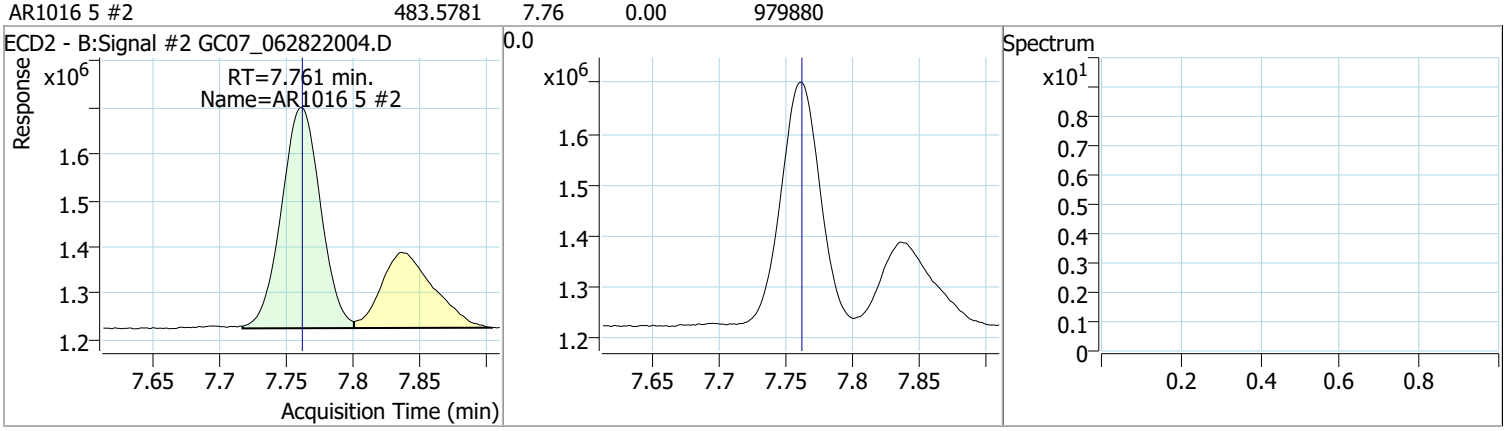
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	502.0536	6.87	0.00	1754709				



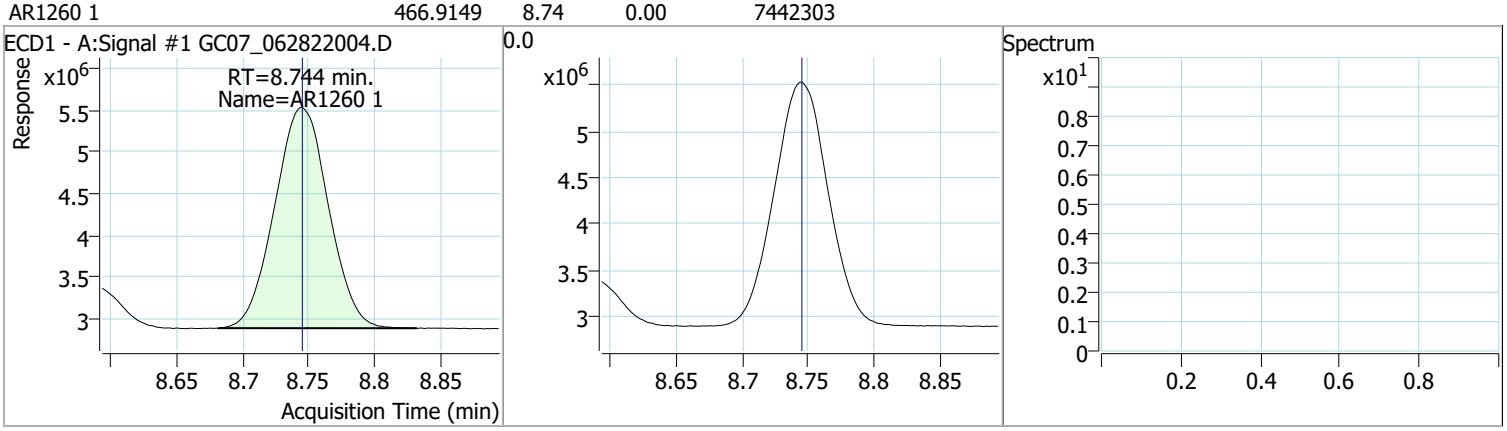
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	518.5417	7.05	0.00	1257841				



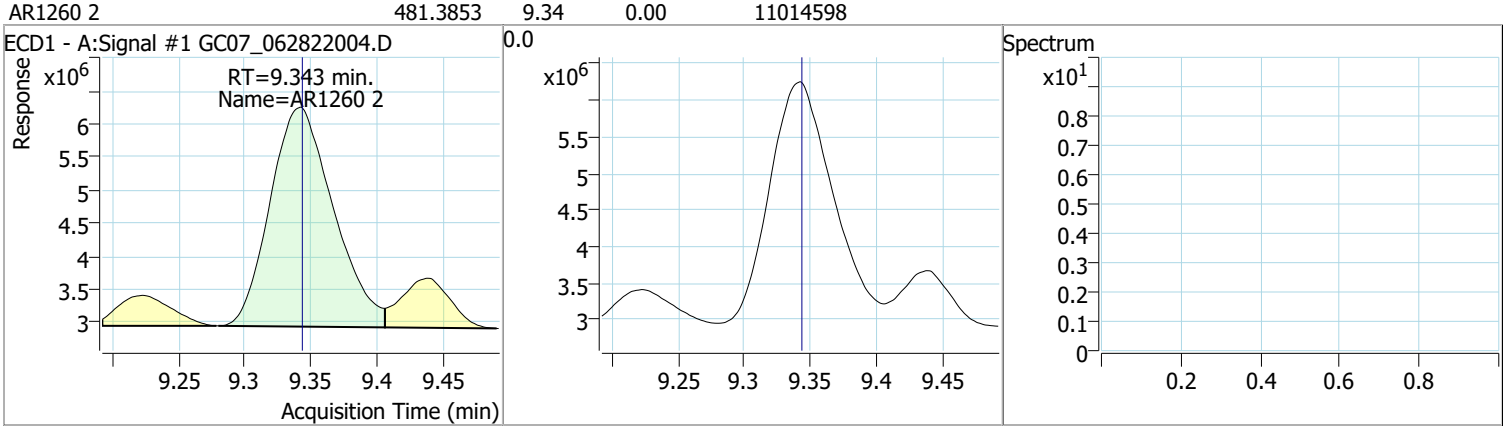
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	483.5781	7.76	0.00	979880				



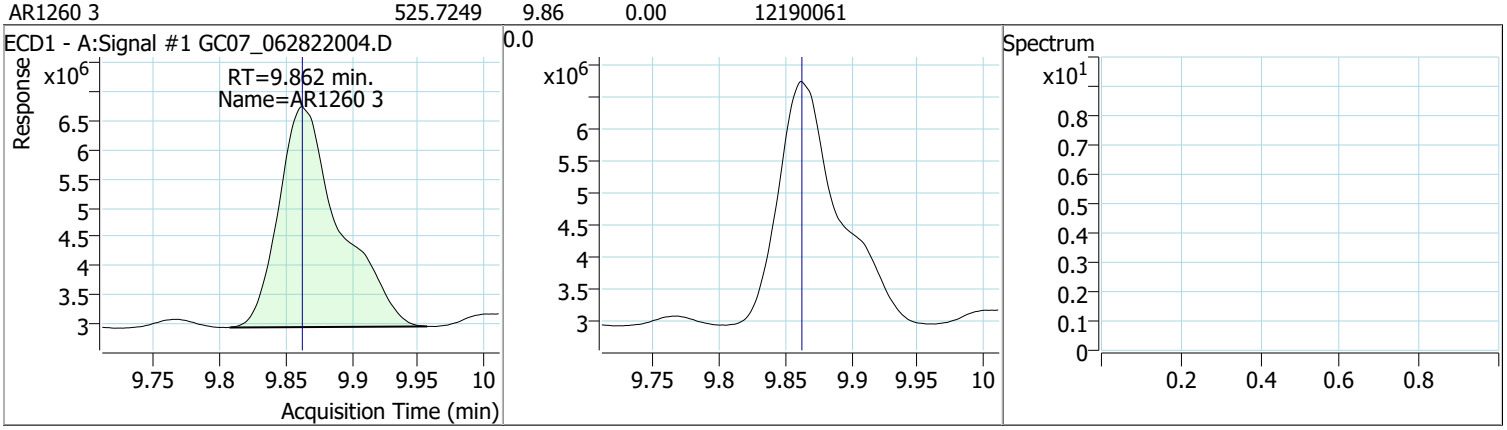
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	466.9149	8.74	0.00	7442303				



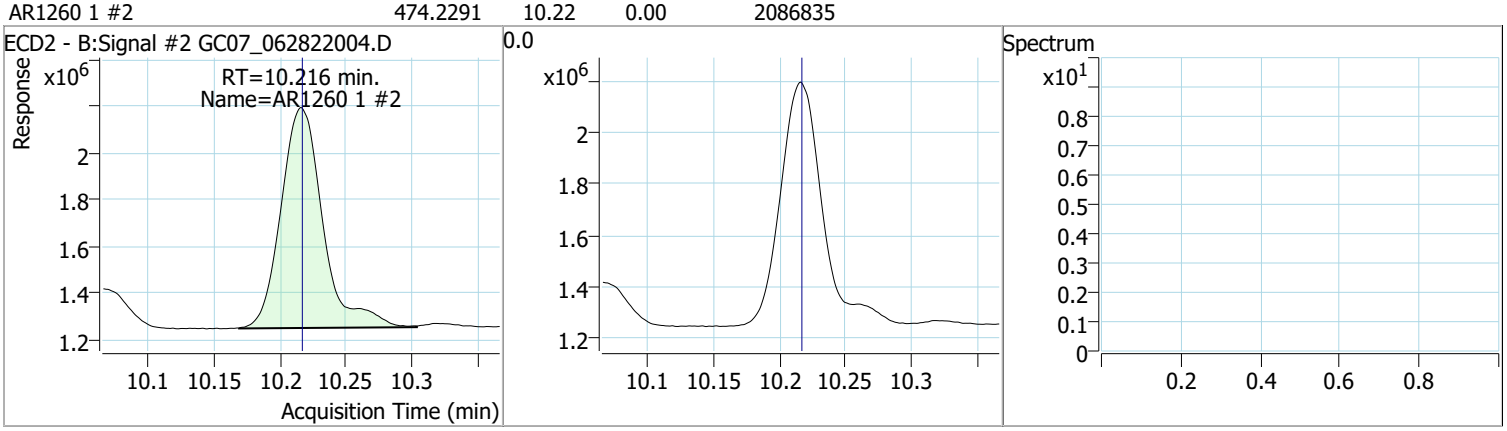
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	481.3853	9.34	0.00	11014598				



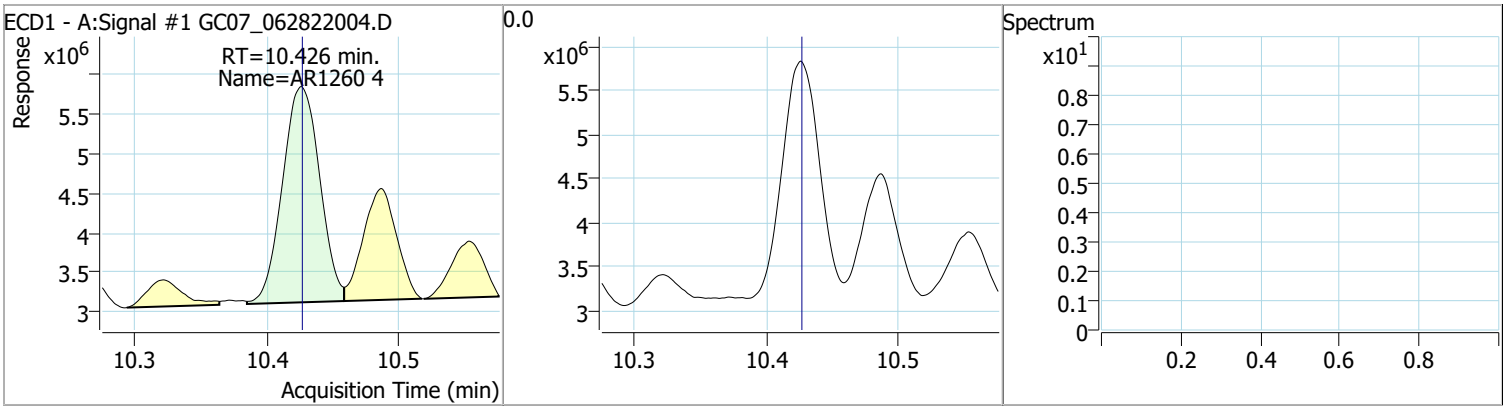
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	525.7249	9.86	0.00	12190061				



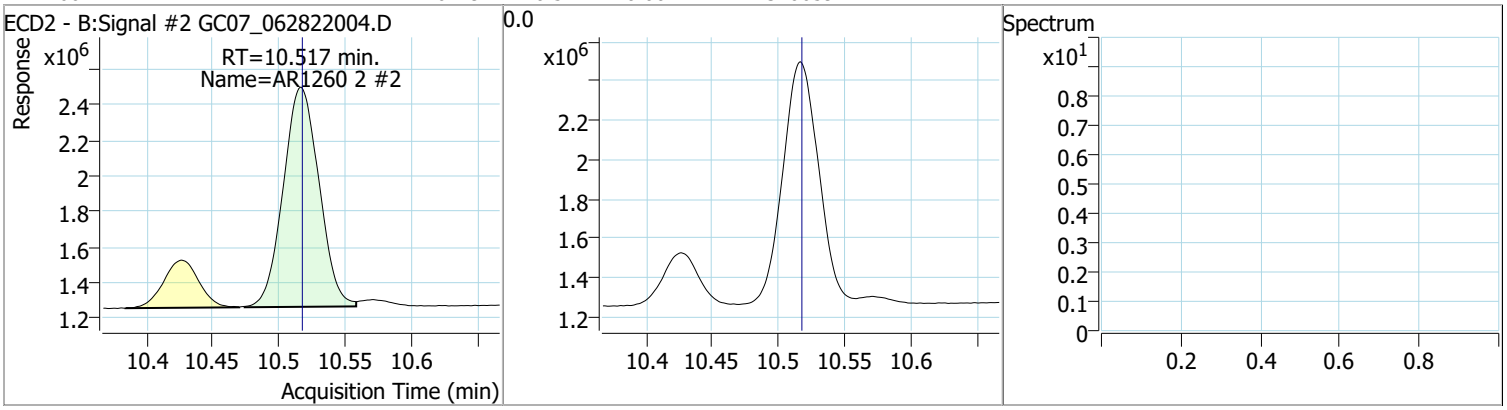
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	474.2291	10.22	0.00	2086835				



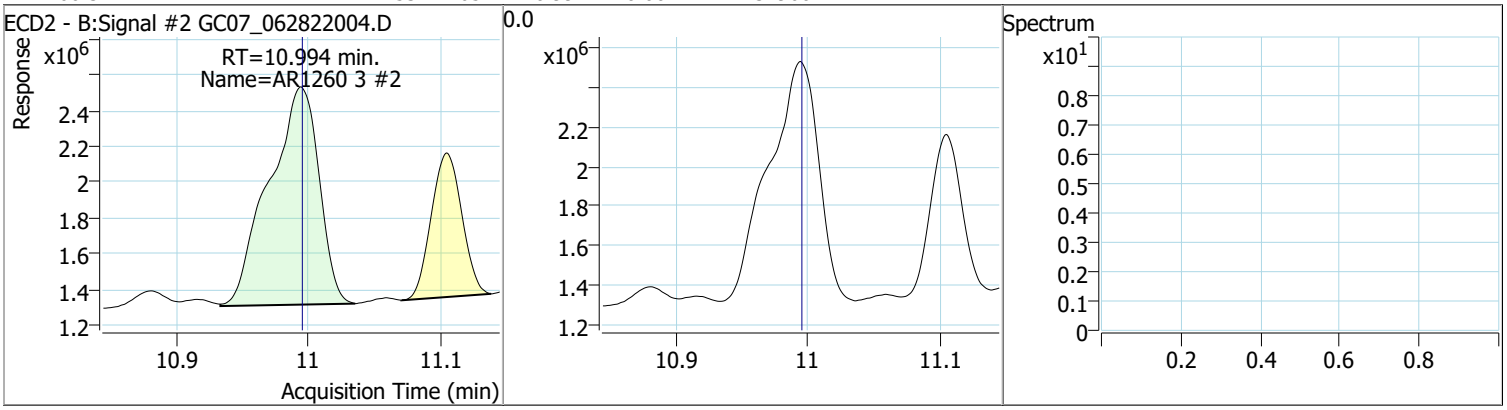
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	447.7978	10.43	0.00	5307953				



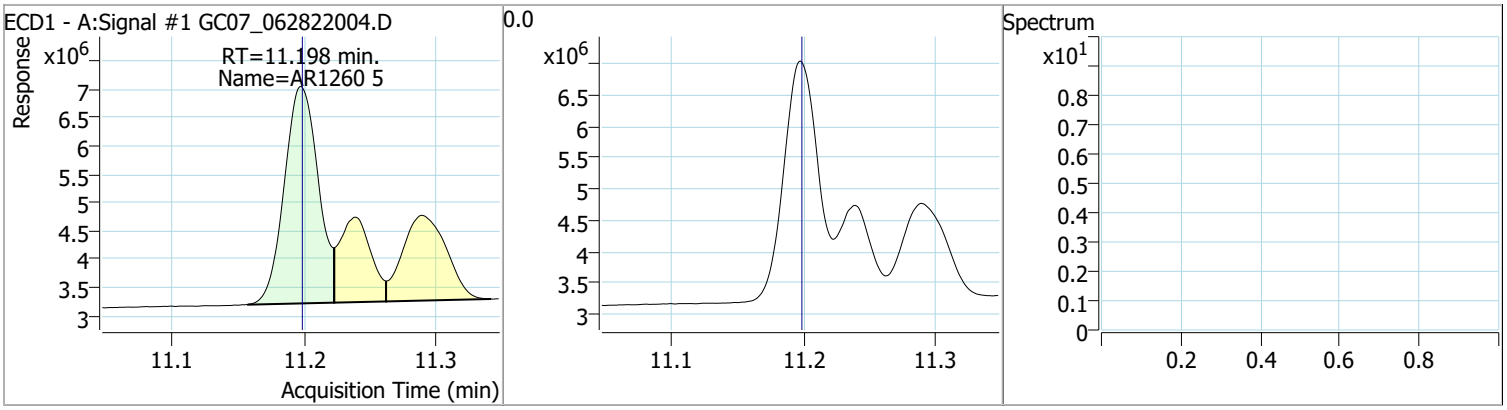
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	474.6729	10.52	0.00	2320659				



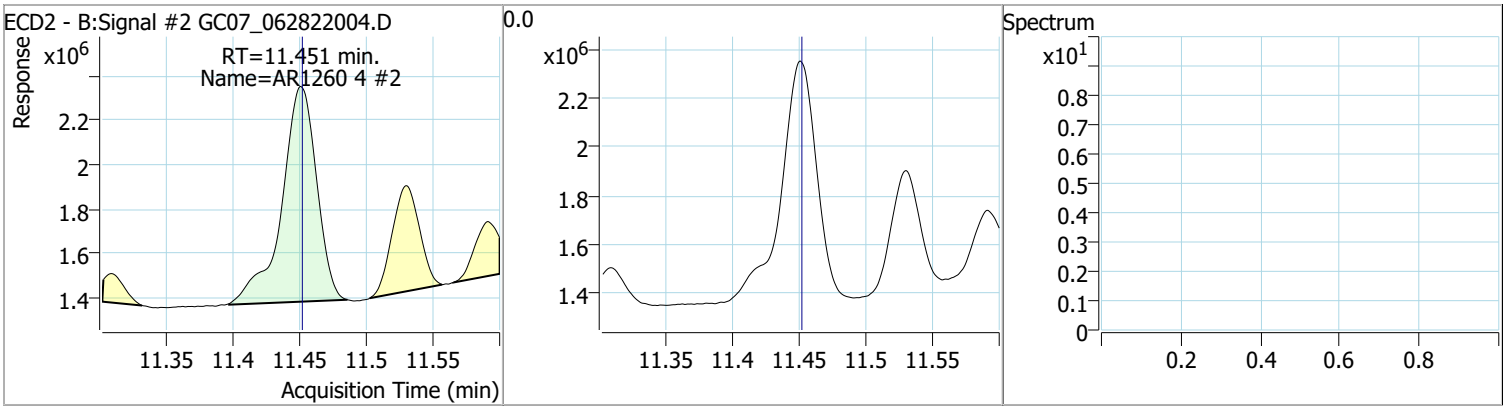
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	531.1165	10.99	0.00	3196047				



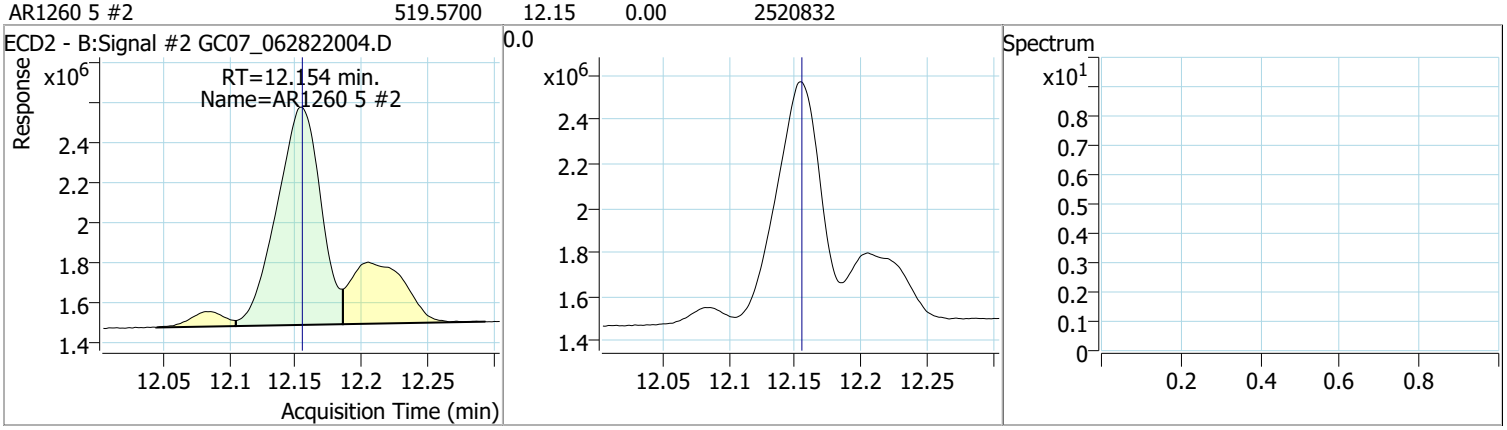
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	627.6905	11.20	0.00	6830863				



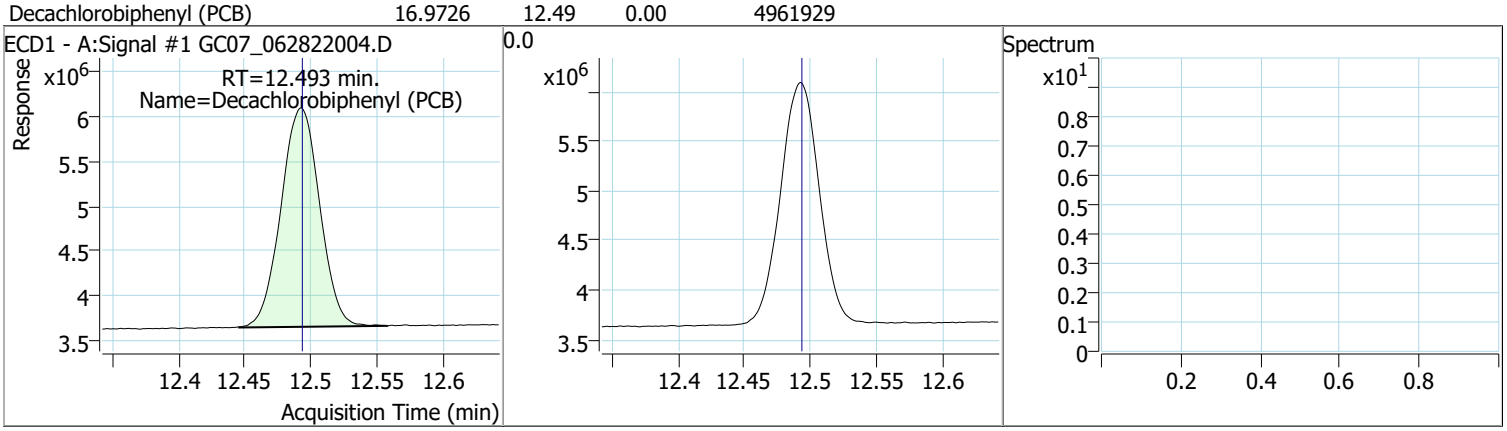
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	530.5347	11.45	0.00	1791212				



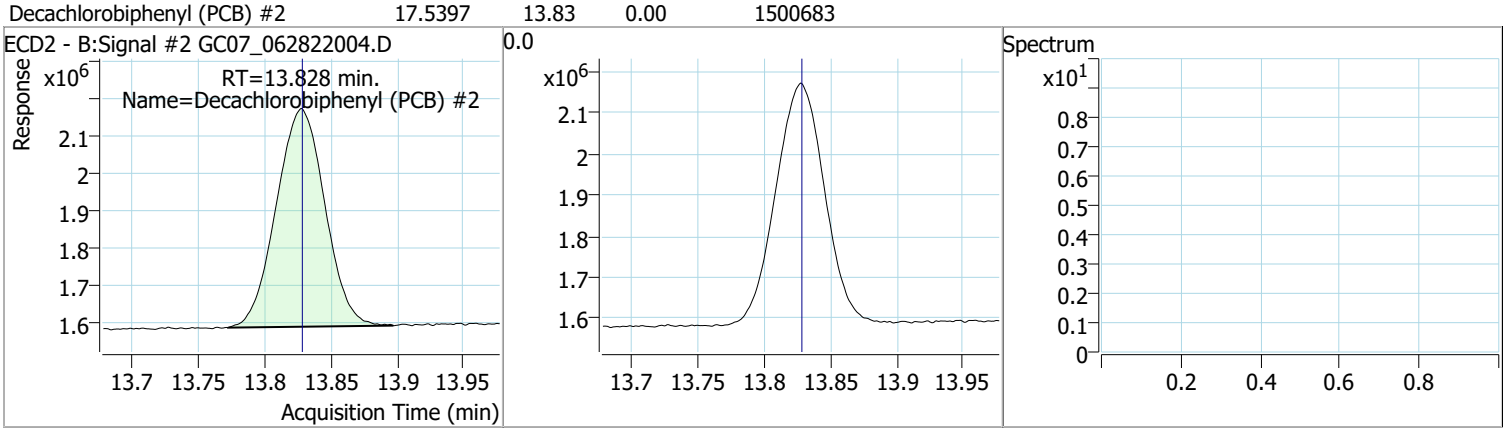
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	519.5700	12.15	0.00	2520832				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	16.9726	12.49	0.00	4961929				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	17.5397	13.83	0.00	1500683				



Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 464779
Report Level: IV
Report Date: 01/05/2023

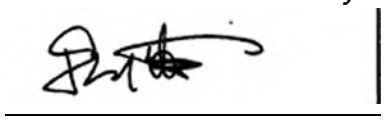
Metals

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	464779
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	06/23/22

Sample ID	Lab ID	Collected	Matrix
ARCH-C1W-PS-5.5-220623-L-G	464779-001	06/23/22 10:51	Wipe
ARCH-C1W-EXT-5 TO 6-220623-L-I	464779-004	06/23/22 10:22	Wipe
ARCH-C1W-EXT-5 TO 6-220623-L-DUP-I	464779-005	06/23/22 10:22	Wipe

ENTHALPY ANALYTICAL

Case Narrative

METALS (EPA 6010B)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 464779 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 06/23/22

This data package contains sample and QC results for three wipe samples, requested for the above referenced project on 06/23/22. See attached cooler receipt form for any sample receipt problems or discrepancies.

Metals (EPA 6010B):

No analytical problems were encountered.

Chain of Custody

461779

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim and T. Sinnott

Test Instructions / Comments

Confirmation Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis
Report lead concentrations on a µg/ft² basis
Report Aroclor 1268 concentrations in addition to the standard Aroclors
Report requires Stage 3 Data Validation

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
1	~~ARCH-C1W-DG-5 TO 5.5-220623-L-~~ TS	6/23/2022		WP				X	TS
2	~~ARCH-C1W-DG-5 TO 5.5-220623-L-DUP-~~ TS	~~6/23/2022~~		WP				X	TS
3	~~ARCH-C1W-DG-5 TO 5.5-220623-P-~~ TS	~~6/23/2022~~		WP			X		TS
4	ARCH-C1W-PS-5.5-220623-L- G	6/23/2022	1051	WP				X	
5	ARCH-C1W-PS-5.5-220623-P- G	6/23/2022	~~1051~~ 1051	WP			X		
6	ARCH-C1W-PS-5.5-220623-P-DUP- G	6/23/2022	1051	WP			X		
7	~~Arch-C1W-~~ TS								
8	Arch-C1W-EXT-5to6-220623-L-I	6/23/22	1022	WP				X	
9	Arch-C1W-EXT-5to6-220623-L-DUP-I	6/23/22	1022	WP				X	
10	Arch-C1W-EXT-5to6-220623-P-I	6/23/22	1022	WP			X		
11									
12									
13									
14									
15									

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Tyler Sinnott	Rincon / Envi. Scientist	6/23/22 / 1330
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	6/23/22 13:30
2 Relinquished By:	Audrey Hudson	"	"	6/23/22 15:25
2 Received By:		Maccammil Yin	FB	6/23/22 15:25
3 Relinquished By:		Maccammil, Yin	FB	6/23/22 16:10
3 Received By:		Jamie		6/24/22 08:40

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 464779 Client: Ronco

Date Received: 6/23/22 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☐ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☐ Yes, how many? _____ ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☑ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 6/23/22 By (print) MY (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☑ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: _____, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 6/23/22 **By (print)** MY **(sign)** _____

Date Labeled 6/23/22 **By (print)** MY **(sign)** _____

ENTHALPY

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Project: Hangar 1 – NCTRA WP

Date Received: 6/24/2022 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.3 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: Greyhound

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: _____ #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Yunita Date: 6/24/2022

STD PPD 23JUN22 20:57A

Schd: GLI 68

Pcs: 3 of 4 LOS ANGELES, CA

From: Enthalpy Analytical - Or
000-000-0000

RECV: ENTHALPY ANALYTICAL

921 W. B LEY

LOS ANGELES

ORANGE, CA 92868

Phone: 925-487-8029

Standard

Agency Phone: (213)629-8420

Manual Wght:
181.8

Tariff Wght:
184.0

PO/Ref #:

WWW.SHIPGREYHOUND.COM

5/3.0 4/1.0 @ 08:48

Results & QC Summary

ENTHALPY ANALYTICAL

Lead

Lab #: 464779 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C1W-PS-5.5-220623-L-G **Batch#:** 291864 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/23/22 **Analysis:** EPA 6010B
Lab ID: 464779-001 **Received:** 06/23/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 06/24/22
Diln Fac: 1.000 **Analyzed:** 06/24/22

Analyte	Result	RL	Units
Lead	**120**	1.0	ug/ft2

Field ID: ARCH-C1W-EXT-5 TO 6-220623-L-I **Batch#:** 291864 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/23/22 **Analysis:** EPA 6010B
Lab ID: 464779-004 **Received:** 06/23/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 06/24/22
Diln Fac: 1.000 **Analyzed:** 06/24/22

Analyte	Result	RL	Units
Lead	**130**	1.0	ug/ft2

Field ID: ARCH-C1W-EXT-5 TO 6-220623-L-DUP-I **Batch#:** 291864 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/23/22 **Analysis:** EPA 6010B
Lab ID: 464779-005 **Received:** 06/23/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 06/24/22
Diln Fac: 1.000 **Analyzed:** 06/24/22

Analyte	Result	RL	Units
Lead	**160**	1.0	ug/ft2

Type: BLANK **Batch#:** 291864 **Analysis:** EPA 6010B
Lab ID: QC996928 **Prepared:** 06/24/22 **Analyst:** KLN
Matrix: Wipe **Analyzed:** 06/24/22
Diln Fac: 1.000 **Prep:** EPA 3050B

Analyte	Result	RL	Units
Lead	ND	1.0	ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 464779 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 291864 **Analysis:** EPA 6010B

Lab ID: QC996929 **Prepared:** 06/24/22 **Analyst:** KLN

Matrix: Wipe **Analyzed:** 06/24/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	103.4	103	80-120	ug/ft2

Type: BSD **Batch#:** 291864 **Analysis:** EPA 6010B

Lab ID: QC996930 **Prepared:** 06/24/22 **Analyst:** KLN

Matrix: Wipe **Analyzed:** 06/24/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	104.3	104	80-120	ug/ft2	1	20

Legend

RPD: Relative Percent Difference

REPORTING SUMMARY FOR 464779 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	PB	
464779-001	MET06	06/24/22 22:11	1.0	+	
464779-004	MET06	06/24/22 22:14	1.0	+	
464779-005	MET06	06/24/22 22:18	1.0	+	
QC996928	MET06	06/24/22 22:01	1.0	+	
QC996929	MET06	06/24/22 22:05	1.0	+	
QC996930	MET06	06/24/22 22:08	1.0	+	

Enthalpy Sequence Summary for Sequence 482252582

Instrument : MET06 Begun : 06/24/22 09:42
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master	ICALBLK	CALBLANK			06/24/22 09:42	1.0	1	
002	met06_master	ICALBLK	CALBLANK			06/24/22 09:46	1.0	1	
003	met06_master	ICAL	L1			06/24/22 09:49	1.0	2 1	
004	met06_master	ICAL	L2			06/24/22 09:52	1.0	3 1	
005	met06_master	ICAL	L3			06/24/22 09:55	1.0	4 1	
006	met06_master	ICAL	L4			06/24/22 09:59	1.0	5 1	
007	met06_master	ICAL	L5			06/24/22 10:02	1.0	6 1	
008	met06_master	ICAL	L6			06/24/22 10:05	1.0	7 1	
009	met06_master	ICAL	L7			06/24/22 10:09	1.0	8 1	
010	met06_master	ICAL	L8			06/24/22 10:12	1.0	9 1	
011	met06_master	ICV				06/24/22 10:15	1.0	10 1	
012	met06_master	CRI				06/24/22 10:32	1.0	11 1	
013	met06_master	ICB				06/24/22 10:35	1.0	1	
014	met06_master	ICSA				06/24/22 10:38	1.0	12 1	4:MGASMGCO3=1400
015	met06_master	ICSAB				06/24/22 10:42	1.0	13 1	4:MGASMGCO3=1400
016	met06_master	BLANK	QC996376	Drinking Water	291675	06/24/22 10:45	1.0	1	
017	met06_master	BLANK	QC996714	Water	291785	06/24/22 10:57	1.0	1	
018	met06_master	LCS	QC996715	Water	291785	06/24/22 11:01	1.0	1	
019	met06_master	SAMPLE	464701-001	Water	291785	06/24/22 11:04	50.0	1	
020	met06_master	MSS	464716-001	Water	291785	06/24/22 11:07	1.0	1	1:SULFUR=110
021	met06_master	MS	QC996716	Water	291785	06/24/22 11:10	1.0	1	2:MGASMGCO3=740
022	met06_master	MSD	QC996717	Water	291785	06/24/22 11:14	1.0	1	2:MGASMGCO3=730
023	met06_master	SAMPLE	464274-022	Soil	291711	06/24/22 11:17	25.0	1	
024	met06_master	CCV				06/24/22 11:20	1.0	10 1	
025	met06_master	CCB				06/24/22 11:23	1.0	1	
026	met06_master	SAMPLE	464701-001	Water	291785	06/24/22 11:40	50.0	1	
027	met06_master	BLANK	QC996199	Soil	291607	06/24/22 11:46	1.0	1	
028	met06_master	LCS	QC996200	Soil	291607	06/24/22 11:49	1.0	1	
029	met06_master	SAMPLE	463774-053	Soil	291607	06/24/22 11:52	1.0	1	
030	met06_master	MSS	464274-009	Soil	291607	06/24/22 11:55	1.0	1	4:ALASAL2O3=410
031	met06_master	MS	QC996201	Soil	291607	06/24/22 11:59	1.0	1	4:ALASAL2O3=450
032	met06_master	MSD	QC996202	Soil	291607	06/24/22 12:02	1.0	1	4:ALASAL2O3=530
033	met06_master	PDS	QC996203	Soil	291607	06/24/22 12:05	1.0	1	2:FE=210
034	met06_master	SAMPLE	464406-001	Miscell.	291607	06/24/22 12:08	1.0	1	4:CU=150
035	met06_master	SAMPLE	464407-001	Soil	291607	06/24/22 12:12	1.0	1	
036	met06_master	CCV				06/24/22 12:15	1.0	10 1	
037	met06_master	CCB				06/24/22 12:18	1.0	1	
038	met06_master	SAMPLE	464427-001	Soil	291607	06/24/22 12:21	1.0	1	1:FE=200
039	met06_master	SAMPLE	464475-005	Soil	291607	06/24/22 12:25	1.0	1	1:FE=180
040	met06_master	SAMPLE	464530-001	Soil	291607	06/24/22 12:28	1.0	1	1:FE=330
041	met06_master	SAMPLE	464530-002	Soil	291607	06/24/22 12:31	1.0	1	2:MG=1200
042	met06_master	SAMPLE	464530-003	Soil	291607	06/24/22 12:35	1.0	1	1:FE=240
043	met06_master	SAMPLE	464543-001	Soil	291607	06/24/22 12:38	1.0	1	1:FE=200
044	met06_master	SAMPLE	464543-002	Soil	291607	06/24/22 12:41	1.0	1	1:FE=180
045	met06_master	SAMPLE	464543-004	Soil	291607	06/24/22 12:44	1.0	1	1:FE=190
046	met06_master	SAMPLE	464543-005	Soil	291607	06/24/22 12:48	1.0	1	1:FE=230
047	met06_master	SAMPLE	464543-007	Soil	291607	06/24/22 12:51	1.0	1	1:FE=170
048	met06_master	CCV				06/24/22 12:54	1.0	10 1	
049	met06_master	CCB				06/24/22 12:57	1.0	1	
050	met06_master	SAMPLE	464543-008	Soil	291607	06/24/22 13:01	1.0	1	1:FE=160
051	met06_master	SAMPLE	464543-010	Soil	291607	06/24/22 13:04	1.0	1	1:FE=160
052	met06_master	SAMPLE	464543-011	Soil	291607	06/24/22 13:07	1.0	1	1:FE=160

Enthalpy Sequence Summary for Sequence 482252582

Instrument : MET06 Begun : 06/24/22 09:42
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met06_master	SAMPLE	464543-012	Soil	291607	06/24/22 13:10	1.0	1	1:FE=190
054	met06_master	SAMPLE	464543-015	Soil	291607	06/24/22 13:17	1.0	1	1:FE=190
055	met06_master	SAMPLE	464059-001	Water	291005	06/24/22 13:20	25.0	1	
056	met06_master	CCV				06/24/22 13:23	1.0	10 1	
057	met06_master	CCB				06/24/22 13:27	1.0	1	
058	met06_master	BLANK	QC996810	Water	291823	06/24/22 13:34	1.0	1	
059	met06_master	LCS	QC996811	Water	291823	06/24/22 13:37	1.0	1	
060	met06_master	MSS	464684-003	Water	291823	06/24/22 13:41	1.0	1	
061	met06_master	XMS	QC996812	Water	291823	06/24/22 13:44	1.0	1	
062	met06_master	MSD	QC996813	Water	291823	06/24/22 13:47	1.0	1	
063	met06_master	SAMPLE	464723-002	Water	291823	06/24/22 13:50	1.0	1	
064	met06_master	SAMPLE	464747-001	Water	291823	06/24/22 13:54	1.0	1	1:SULFUR=190
065	met06_master	SAMPLE	464763-001	Water	291823	06/24/22 13:57	1.0	1	1:SULFUR=210
066	met06_master	SAMPLE	464764-001	Water	291823	06/24/22 14:00	1.0	1	2:NA=2800
067	met06_master	SAMPLE	464764-002	Water	291823	06/24/22 14:03	1.0	1	2:NA=3700
068	met06_master	CCV				06/24/22 14:07	1.0	10 1	
069	met06_master	CCB				06/24/22 14:10	1.0	1	
070	met06_master	SAMPLE	464764-003	Water	291823	06/24/22 14:13	1.0	1	2:SULFUR=4700
071	met06_master	BLANK	QC996852	TCLP Leachate	291835	06/24/22 14:16	1.0	1	1:NA=1200
072	met06_master	LCS	QC996853	TCLP Leachate	291835	06/24/22 14:20	1.0	1	1:NA=1200
073	met06_master	MSS	464186-060	TCLP Leachate	291835	06/24/22 14:26	1.0	1	1:NA=1100
074	met06_master	MS	QC996854	TCLP Leachate	291835	06/24/22 14:29	1.0	1	1:NA=1200
075	met06_master	MSD	QC996855	TCLP Leachate	291835	06/24/22 14:33	1.0	1	1:NA=1300
076	met06_master	BS	QC996840	Air	291832	06/24/22 14:39	1.0	1	
077	met06_master	BSD	QC996841	Air	291832	06/24/22 14:42	1.0	1	
078	met06_master	CCV				06/24/22 14:46	1.0	10 1	
079	met06_master	CCB				06/24/22 14:49	1.0	1	
080	met06_master	SAMPLE	464737-001	Air	291832	06/24/22 14:52	1.0	1	
081	met06_master	SAMPLE	464737-003	Air	291832	06/24/22 14:56	1.0	1	
082	met06_master	SAMPLE	464737-005	Air	291832	06/24/22 14:59	1.0	1	
083	met06_master	BLANK	QC994465	Water	291005	06/24/22 15:02	1.0	1	
084	met06_master	LCS	QC994466	Water	291005	06/24/22 15:05	1.0	1	
085	met06_master	MSS	464073-001	Water	291005	06/24/22 15:09	1.0	1	
086	met06_master	MS	QC994467	Water	291005	06/24/22 15:12	1.0	1	
087	met06_master	CCV				06/24/22 15:18	1.0	10 1	
088	met06_master	CCB				06/24/22 15:22	1.0	1	
089	met06_master	BLANK	QC996916	WET Leachate	291860	06/24/22 15:50	1.0	1	
090	met06_master	BLANK	QC996919	WET Leachate	291860	06/24/22 15:53	1.0	1	
091	met06_master	BS	QC996917	WET Leachate	291860	06/24/22 15:57	1.0	1	
092	met06_master	BSD	QC996918	WET Leachate	291860	06/24/22 16:00	1.0	1	
093	met06_master	SAMPLE	462959-007	WET Leachate	291860	06/24/22 16:03	1.0	1	
094	met06_master	SAMPLE	462959-008	WET Leachate	291860	06/24/22 16:06	1.0	1	
095	met06_master	SAMPLE	462959-009	WET Leachate	291860	06/24/22 16:10	1.0	1	
096	met06_master	SAMPLE	462959-010	WET Leachate	291860	06/24/22 16:13	1.0	1	
097	met06_master	SAMPLE	462959-014	WET Leachate	291860	06/24/22 16:16	1.0	1	
098	met06_master	XMS	QC996812	Water	291823	06/24/22 16:20	1.0	1	
099	met06_master	CCV				06/24/22 16:25	1.0	10 1	
100	met06_master	CCB				06/24/22 16:28	1.0	1	
101	met06_master	BLANK	QC996852	TCLP Leachate	291835	06/24/22 16:31	1.0	1	1:NA=1200
102	met06_master	SAMPLE	464186-019	TCLP Leachate	291835	06/24/22 16:34	1.0	1	1:NA=1200
103	met06_master	LCS	QC996399	Water	291680	06/24/22 16:38	1.0	1	
104	met06_master	MSS	464619-001	Water	291680	06/24/22 16:41	1.0	1	1:SULFUR=360

Enthalpy Sequence Summary for Sequence 482252582

Instrument : MET06 Begun : 06/24/22 09:42
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
105	met06_master	MS	QC996400	Water	291680	06/24/22 16:44	1.0	1	1:SULFUR=370
106	met06_master	MSD	QC996401	Water	291680	06/24/22 16:47	1.0	1	1:SULFUR=380
107	met06_master	SAMPLE	464641-001	Water	291680	06/24/22 16:51	1.0	1	
108	met06_master	SAMPLE	464646-002	Sea Water	291680	06/24/22 16:54	1.0	1	4:NA=4100
109	met06_master	MS	QC996812	Water	291823	06/24/22 16:58	1.0	1	
110	met06_master	CCV				06/24/22 17:03	1.0	10 1	
111	met06_master	CCB				06/24/22 17:06	1.0	1	
112	met06_master	SAMPLE	462959-015	WET Leachate	291860	06/24/22 17:12	1.0	1	
113	met06_master	SAMPLE	462959-016	WET Leachate	291860	06/24/22 17:15	1.0	1	
114	met06_master	SAMPLE	462959-017	WET Leachate	291860	06/24/22 17:18	1.0	1	
115	met06_master	BLANK	QC996839	Air	291832	06/24/22 17:23	1.0	1	
116	met06_master	SAMPLE	462959-018	WET Leachate	291860	06/24/22 17:26	1.0	1	
117	met06_master	SAMPLE	462959-020	WET Leachate	291860	06/24/22 17:30	1.0	1	
118	met06_master	SAMPLE	463034-001	WET Leachate	291860	06/24/22 17:33	1.0	1	
119	met06_master	SAMPLE	463034-003	WET Leachate	291860	06/24/22 17:36	1.0	1	
120	met06_master	SAMPLE	463034-005	WET Leachate	291860	06/24/22 17:40	1.0	1	
121	met06_master	CCV				06/24/22 17:49	1.0	10 1	
122	met06_master	CCB				06/24/22 17:53	1.0	1	
123	met06_master	SAMPLE	463034-006	WET Leachate	291860	06/24/22 17:56	1.0	1	
124	met06_master	SAMPLE	463034-007	WET Leachate	291860	06/24/22 17:59	1.0	1	
125	met06_master	SAMPLE	463034-011	WET Leachate	291860	06/24/22 18:02	1.0	1	
126	met06_master	SAMPLE	463034-012	WET Leachate	291860	06/24/22 18:06	1.0	1	
127	met06_master	SAMPLE	464543-014	Soil	291607	06/24/22 18:09	1.0	1	1:FE=250
128	met06_master	CCV				06/24/22 18:12	1.0	10 1	
129	met06_master	CCB				06/24/22 18:15	1.0	1	
130	met06_master	BLANK	QC996976	WET Leachate	291877	06/24/22 18:32	1.0	1	
131	met06_master	BLANK	QC996977	WET Leachate	291877	06/24/22 18:35	1.0	1	
132	met06_master	BS	QC996978	WET Leachate	291877	06/24/22 18:38	1.0	1	
133	met06_master	BSD	QC996979	WET Leachate	291877	06/24/22 18:42	1.0	1	
134	met06_master	SAMPLE	464274-004	WET Leachate	291877	06/24/22 18:45	1.0	1	
135	met06_master	SAMPLE	464274-007	WET Leachate	291877	06/24/22 18:48	1.0	1	
136	met06_master	SAMPLE	464274-022	WET Leachate	291877	06/24/22 18:51	1.0	1	
137	met06_master	BLANK	QC996920	TCLP Leachate	291862	06/24/22 18:55	1.0	1	1:NA=1200
138	met06_master	LCS	QC996921	TCLP Leachate	291862	06/24/22 18:58	1.0	1	1:NA=1200
139	met06_master	MSS	464274-004	TCLP Leachate	291862	06/24/22 19:01	1.0	1	1:NA=1200
140	met06_master	CCV				06/24/22 19:04	1.0	10 1	
141	met06_master	CCB				06/24/22 19:08	1.0	1	
142	met06_master	MS	QC996922	TCLP Leachate	291862	06/24/22 19:12	1.0	1	1:NA=1200
143	met06_master	MSD	QC996923	TCLP Leachate	291862	06/24/22 19:15	1.0	1	1:NA=1200
144	met06_master	SAMPLE	464274-022	TCLP Leachate	291862	06/24/22 19:19	1.0	1	1:NA=1200
145	met06_master	MSS	464349-001	Drinking Water	291893	06/24/22 19:22	1.0	1	
146	met06_master	MS	QC997004	Drinking Water	291893	06/24/22 19:25	1.0	1	
147	met06_master	MSD	QC997005	Drinking Water	291893	06/24/22 19:28	1.0	1	
148	met06_master	SAMPLE	464349-002	Drinking Water	291893	06/24/22 19:32	1.0	1	
149	met06_master	SAMPLE	464349-003	Drinking Water	291893	06/24/22 19:35	1.0	1	
150	met06_master	SAMPLE	464349-004	Drinking Water	291893	06/24/22 19:38	1.0	1	
151	met06_master	SAMPLE	464349-005	Drinking Water	291893	06/24/22 19:41	1.0	1	
152	met06_master	CCV				06/24/22 19:45	1.0	10 1	
153	met06_master	CCB				06/24/22 19:48	1.0	1	
154	met06_master	SAMPLE	464349-006	Drinking Water	291893	06/24/22 19:51	1.0	1	
155	met06_master	SAMPLE	464349-007	Drinking Water	291893	06/24/22 19:54	1.0	1	
156	met06_master	SAMPLE	464349-008	Drinking Water	291893	06/24/22 19:58	1.0	1	

Enthalpy Sequence Summary for Sequence 482252582

Instrument : MET06 Begun : 06/24/22 09:42
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
157	met06_master	SAMPLE	464349-009	Drinking Water	291893	06/24/22 20:01	1.0	1	
158	met06_master	SAMPLE	464349-010	Drinking Water	291893	06/24/22 20:04	1.0	1	
159	met06_master	BLANK	QC996821	Water	291826	06/24/22 20:07	1.0	1	
160	met06_master	LCS	QC996822	Water	291826	06/24/22 20:11	1.0	1	
161	met06_master	SAMPLE	464654-001	Water	291826	06/24/22 20:14	1.0	1	
162	met06_master	SAMPLE	464781-001	Water	291826	06/24/22 20:17	1.0	1	
163	met06_master	MSS	464782-002	Water	291826	06/24/22 20:20	1.0	1	7:SULFUR=1600
164	met06_master	CCV				06/24/22 20:24	1.0	10 1	
165	met06_master	CCB				06/24/22 20:27	1.0	1	
166	met06_master	MS	QC996823	Water	291826	06/24/22 20:30	1.0	1	7:SULFUR=1600
167	met06_master	MSD	QC996824	Water	291826	06/24/22 20:33	1.0	1	7:SULFUR=1700
168	met06_master	BLANK	QC996814	Water	291825	06/24/22 20:37	1.0	1	
169	met06_master	LCS	QC996815	Water	291825	06/24/22 20:40	1.0	1	
170	met06_master	MSS	464765-002	Water	291825	06/24/22 20:43	1.0	1	3:NA=3700
171	met06_master	MS	QC996819	Water	291825	06/24/22 20:46	1.0	1	3:NA=3700
172	met06_master	MSD	QC996820	Water	291825	06/24/22 20:50	1.0	1	3:NA=3600
173	met06_master	BLANK	QC996825	Water	291827	06/24/22 20:53	1.0	1	
174	met06_master	LCS	QC996826	Water	291827	06/24/22 20:56	1.0	1	
175	met06_master	MSS	464778-001	Water	291827	06/24/22 21:00	1.0	1	
176	met06_master	CCV				06/24/22 21:03	1.0	10 1	
177	met06_master	CCB				06/24/22 21:06	1.0	1	
178	met06_master	MS	QC996827	Water	291827	06/24/22 21:09	1.0	1	
179	met06_master	MSD	QC996828	Water	291827	06/24/22 21:13	1.0	1	
180	met06_master	SAMPLE	464782-001	Water	291827	06/24/22 21:16	1.0	1	1:SULFUR=570
181	met06_master	SAMPLE	464782-003	Water	291827	06/24/22 21:19	1.0	1	3:NA=2700
182	met06_master	BLANK	QC996911	Soil	291859	06/24/22 21:22	1.0	1	
183	met06_master	LCS	QC996912	Soil	291859	06/24/22 21:26	1.0	1	
184	met06_master	MSS	464254-001	Soil	291859	06/24/22 21:29	1.0	1	2:FEASFE2O3=130
185	met06_master	MS	QC996913	Soil	291859	06/24/22 21:32	1.0	1	2:ALASAL2O3=130
186	met06_master	MSD	QC996914	Soil	291859	06/24/22 21:35	1.0	1	2:ALASAL2O3=120
187	met06_master	PDS	QC996915	Soil	291859	06/24/22 21:39	1.0	1	
188	met06_master	CCV				06/24/22 21:42	1.0	10 1	
189	met06_master	CCB				06/24/22 21:45	1.0	1	
190	met06_master	SAMPLE	464254-002	Soil	291859	06/24/22 21:48	1.0	1	
191	met06_master	SAMPLE	464254-003	Soil	291859	06/24/22 21:52	1.0	1	
192	met06_master	SAMPLE	464254-004	Soil	291859	06/24/22 21:55	1.0	1	1:FE=230
193	met06_master	SAMPLE	464254-005	Soil	291859	06/24/22 21:58	1.0	1	1:FE=340
194	met06_master	BLANK	QC996928	Wipe	291864	06/24/22 22:01	1.0	1	
195	met06_master	BS	QC996929	Wipe	291864	06/24/22 22:05	1.0	1	
196	met06_master	BSD	QC996930	Wipe	291864	06/24/22 22:08	1.0	1	
197	met06_master	SAMPLE	464779-001	Wipe	291864	06/24/22 22:11	1.0	1	
198	met06_master	SAMPLE	464779-004	Wipe	291864	06/24/22 22:14	1.0	1	
199	met06_master	SAMPLE	464779-005	Wipe	291864	06/24/22 22:18	1.0	1	
200	met06_master	CCV				06/24/22 22:21	1.0	10 1	
201	met06_master	CCB				06/24/22 22:24	1.0	1	
202	met06_master	SAMPLE	464785-001	Wipe	291864	06/24/22 22:27	1.0	1	
203	met06_master	SAMPLE	464785-003	Wipe	291864	06/24/22 22:31	1.0	1	
204	met06_master	SAMPLE	464785-005	Wipe	291864	06/24/22 22:34	1.0	1	
205	met06_master	BLANK	QC996194	Soil	291606	06/24/22 22:37	1.0	1	
206	met06_master	LCS	QC996195	Soil	291606	06/24/22 22:40	1.0	1	
207	met06_master	MSS	463774-003	Soil	291606	06/24/22 22:44	1.0	1	3:FEASFE2O3=370
208	met06_master	MS	QC996196	Soil	291606	06/24/22 22:47	1.0	1	3:ALASAL2O3=400

Enthalpy Sequence Summary for Sequence 482252582

Instrument : MET06 Begun : 06/24/22 09:42
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
209	met06_master	MSD	QC996197	Soil	291606	06/24/22 22:50	1.0	1	3:FEASFE2O3=440
210	met06_master	PDS	QC996198	Soil	291606	06/24/22 22:53	1.0	1	1:FE=260
211	met06_master	SAMPLE	463774-004	Soil	291606	06/24/22 22:56	1.0	1	1:FE=170
212	met06_master	CCV				06/24/22 23:00	1.0	10 1	
213	met06_master	CCB				06/24/22 23:03	1.0	1	
214	met06_master	SAMPLE	463774-005	Soil	291606	06/24/22 23:06	1.0	1	1:FE=230
215	met06_master	SAMPLE	463774-006	Soil	291606	06/24/22 23:09	1.0	1	
216	met06_master	SAMPLE	463774-012	Soil	291606	06/24/22 23:13	1.0	1	1:FE=210
217	met06_master	SAMPLE	463774-013	Soil	291606	06/24/22 23:16	1.0	1	
218	met06_master	SAMPLE	463774-015	Soil	291606	06/24/22 23:19	1.0	1	
219	met06_master	SAMPLE	463774-021	Soil	291606	06/24/22 23:22	1.0	1	1:FE=180
220	met06_master	SAMPLE	463774-022	Soil	291606	06/24/22 23:26	1.0	1	
221	met06_master	SAMPLE	463774-024	Soil	291606	06/24/22 23:29	1.0	1	
222	met06_master	SAMPLE	463774-027	Soil	291606	06/24/22 23:32	1.0	1	
223	met06_master	SAMPLE	463774-029	Soil	291606	06/24/22 23:35	1.0	1	1:FE=270
224	met06_master	CCV				06/24/22 23:39	1.0	10 1	
225	met06_master	CCB				06/24/22 23:42	1.0	1	
226	met06_master	SAMPLE	464335-001	WET Leachate	291852	06/24/22 23:51	1.0	1	
227	met06_master	BLANK	QC996636	Soil	291766	06/24/22 23:54	1.0	1	
228	met06_master	LCS	QC996637	Soil	291766	06/24/22 23:57	1.0	1	
229	met06_master	SAMPLE	464266-001	Miscell.	291766	06/25/22 00:01	1.0	1	2:FE=220
230	met06_master	SAMPLE	464277-001	Miscell.	291766	06/25/22 00:04	1.0	1	2:FE=220
231	met06_master	SAMPLE	464324-001	Soil	291766	06/25/22 00:07	1.0	1	2:MG=1400
232	met06_master	SAMPLE	464362-002	Miscell.	291766	06/25/22 00:10	1.0	1	1:CA=2100
233	met06_master	SAMPLE	464362-003	Miscell.	291766	06/25/22 00:14	1.0	1	1:V=21
234	met06_master	SAMPLE	464403-001	Soil	291766	06/25/22 00:17	1.0	1	1:FE=210
235	met06_master	SAMPLE	464403-002	Soil	291766	06/25/22 00:20	1.0	1	1:FE=200
236	met06_master	CCV				06/25/22 00:23	1.0	10 1	
237	met06_master	CCB				06/25/22 00:27	1.0	1	
238	met06_master	SAMPLE	464403-003	Soil	291766	06/25/22 00:31	1.0	1	1:FE=210
239	met06_master	SAMPLE	464403-004	Soil	291766	06/25/22 00:34	1.0	1	1:FE=180
240	met06_master	MSS	464413-001	Soil	291766	06/25/22 00:37	1.0	1	3:FEASFE2O3=260
241	met06_master	MS	QC996638	Soil	291766	06/25/22 00:41	1.0	1	3:FEASFE2O3=280
242	met06_master	MSD	QC996639	Soil	291766	06/25/22 00:44	1.0	1	3:FEASFE2O3=270
243	met06_master	PDS	QC996640	Soil	291766	06/25/22 00:47	1.0	1	1:FE=180
244	met06_master	SAMPLE	464413-002	Soil	291766	06/25/22 00:50	1.0	1	1:P=170
245	met06_master	SAMPLE	464413-004	Soil	291766	06/25/22 00:54	1.0	1	1:FE=200
246	met06_master	SAMPLE	464413-005	Soil	291766	06/25/22 00:57	1.0	1	
247	met06_master	SAMPLE	464413-006	Soil	291766	06/25/22 01:00	1.0	1	1:FE=220
248	met06_master	CCV				06/25/22 01:03	1.0	10 1	
249	met06_master	CCB				06/25/22 01:07	1.0	1	
250	met06_master	SAMPLE	464421-001	Soil	291766	06/25/22 01:10	1.0	1	2:FE=250
251	met06_master	SAMPLE	464421-003	Soil	291766	06/25/22 01:13	1.0	1	
252	met06_master	SAMPLE	464421-005	Soil	291766	06/25/22 01:16	1.0	1	
253	met06_master	SAMPLE	464421-006	Soil	291766	06/25/22 01:20	1.0	1	1:FE=230
254	met06_master	SAMPLE	464421-011	Soil	291766	06/25/22 01:23	1.0	1	1:FE=360
255	met06_master	SAMPLE	464421-013	Soil	291766	06/25/22 01:26	1.0	1	1:FE=160
256	met06_master	BLANK	QC996641	Soil	291767	06/25/22 01:30	1.0	1	
257	met06_master	LCS	QC996642	Soil	291767	06/25/22 01:33	1.0	1	
258	met06_master	MSS	464506-001	Soil	291767	06/25/22 01:36	1.0	1	4:FEASFE2O3=320
259	met06_master	MS	QC996643	Soil	291767	06/25/22 01:39	1.0	1	4:FEASFE2O3=300
260	met06_master	CCV				06/25/22 01:43	1.0	10 1	

Enthalpy Sequence Summary for Sequence 482252582

Instrument : MET06 Begun : 06/24/22 09:42
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
261	met06_master	CCB				06/25/22 01:46	1.0	1	
262	met06_master	MSD	QC996644	Soil	291767	06/25/22 01:49	1.0	1	4:FEASFE2O3=360
263	met06_master	PDS	QC996645	Soil	291767	06/25/22 01:52	1.0	1	2:FE=220
264	met06_master	SAMPLE	464508-001	Soil	291767	06/25/22 01:56	1.0	1	2:FE=160
265	met06_master	SAMPLE	464508-003	Soil	291767	06/25/22 01:59	1.0	1	2:FE=170
266	met06_master	SAMPLE	464509-001	Soil	291767	06/25/22 02:02	1.0	1	2:FE=170
267	met06_master	SAMPLE	464509-003	Soil	291767	06/25/22 02:05	1.0	1	3:FE=250
268	met06_master	SAMPLE	464528-001	Soil	291767	06/25/22 02:09	1.0	1	1:FE=230
269	met06_master	SAMPLE	464581-003	Soil	291767	06/25/22 02:12	1.0	1	1:FE=190
270	met06_master	SAMPLE	464606-001	Miscell.	291767	06/25/22 02:15	1.0	1	
271	met06_master	SAMPLE	464617-001	Soil	291767	06/25/22 02:18	1.0	1	2:FE=240
272	met06_master	CCV				06/25/22 02:22	1.0	10 1	
273	met06_master	CCB				06/25/22 02:25	1.0	1	
274	met06_master	SAMPLE	464665-001	Soil	291767	06/25/22 02:28	1.0	1	1:FE=230
275	met06_master	SAMPLE	464665-002	Soil	291767	06/25/22 02:31	1.0	1	1:FE=200
276	met06_master	SAMPLE	464665-003	Soil	291767	06/25/22 02:35	1.0	1	2:FE=200
277	met06_master	SAMPLE	464665-004	Soil	291767	06/25/22 02:38	1.0	1	1:FE=160
278	met06_master	SAMPLE	464665-005	Soil	291767	06/25/22 02:41	1.0	1	1:FE=200
279	met06_master	SAMPLE	464665-006	Soil	291767	06/25/22 02:44	1.0	1	1:FE=180
280	met06_master	SAMPLE	464665-007	Soil	291767	06/25/22 02:48	1.0	1	1:FE=180
281	met06_master	SAMPLE	464665-008	Soil	291767	06/25/22 02:51	1.0	1	1:FE=170
282	met06_master	SAMPLE	464665-009	Soil	291767	06/25/22 02:54	1.0	1	1:FE=190
283	met06_master	SAMPLE	464665-010	Soil	291767	06/25/22 02:57	1.0	1	1:FE=220
284	met06_master	CCV				06/25/22 03:01	1.0	10 1	
285	met06_master	CCB				06/25/22 03:04	1.0	1	
286	met06_master	SAMPLE	464665-011	Soil	291767	06/25/22 03:07	1.0	1	2:FE=200
287	met06_master	BLANK	QC996646	Soil	291768	06/25/22 03:10	1.0	1	
288	met06_master	LCS	QC996647	Soil	291768	06/25/22 03:14	1.0	1	
289	met06_master	MSS	464665-012	Soil	291768	06/25/22 03:17	1.0	1	3:FEASFE2O3=280
290	met06_master	MS	QC996648	Soil	291768	06/25/22 03:20	1.0	1	3:ALASAL2O3=290
291	met06_master	MSD	QC996649	Soil	291768	06/25/22 03:23	1.0	1	3:ALASAL2O3=310
292	met06_master	PDS	QC996650	Soil	291768	06/25/22 03:27	1.0	1	1:FE=200
293	met06_master	SAMPLE	464665-013	Soil	291768	06/25/22 03:30	1.0	1	1:FE=220
294	met06_master	SAMPLE	464665-014	Soil	291768	06/25/22 03:33	1.0	1	1:FE=190
295	met06_master	SAMPLE	464665-015	Soil	291768	06/25/22 03:37	1.0	1	1:FE=160
296	met06_master	CCV				06/25/22 03:40	1.0	10 1	
297	met06_master	CCB				06/25/22 03:43	1.0	1	
298	met06_master	SAMPLE	464665-016	Soil	291768	06/25/22 03:46	1.0	1	1:FE=210
299	met06_master	SAMPLE	464665-017	Soil	291768	06/25/22 03:49	1.0	1	2:FE=190
300	met06_master	SAMPLE	464665-018	Soil	291768	06/25/22 03:53	1.0	1	1:FE=180
301	met06_master	SAMPLE	464665-019	Soil	291768	06/25/22 03:56	1.0	1	1:FE=210
302	met06_master	SAMPLE	464665-020	Soil	291768	06/25/22 03:59	1.0	1	1:FE=170
303	met06_master	SAMPLE	464665-021	Soil	291768	06/25/22 04:02	1.0	1	1:FE=200
304	met06_master	SAMPLE	464665-022	Soil	291768	06/25/22 04:06	1.0	1	1:FE=190
305	met06_master	SAMPLE	464665-023	Soil	291768	06/25/22 04:09	1.0	1	1:FE=170
306	met06_master	SAMPLE	464665-024	Soil	291768	06/25/22 04:12	1.0	1	1:FE=210
307	met06_master	SAMPLE	464670-004	Soil	291768	06/25/22 04:15	1.0	1	2:FE=190
308	met06_master	CCV				06/25/22 04:19	1.0	10 1	
309	met06_master	CCB				06/25/22 04:22	1.0	1	
310	met06_master	SAMPLE	464674-004	Soil	291768	06/25/22 04:25	1.0	1	1:TI=11
311	met06_master	SAMPLE	464674-009	Soil	291768	06/25/22 04:28	1.0	1	2:FE=160
312	met06_master	SAMPLE	464674-014	Soil	291768	06/25/22 04:32	1.0	1	1:TI=12

Enthalpy Sequence Summary for Sequence 482252582

Instrument : MET06 Begun : 06/24/22 09:42
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
313	met06_master	SAMPLE	464674-019	Soil	291768	06/25/22 04:35	1.0	1	
314	met06_master	SAMPLE	464674-024	Soil	291768	06/25/22 04:38	1.0	1	
315	met06_master	SAMPLE	464674-029	Soil	291768	06/25/22 04:41	1.0	1	1:TI=11
316	met06_master	BLANK	QC996651	Soil	291769	06/25/22 04:45	1.0	1	
317	met06_master	LCS	QC996652	Soil	291769	06/25/22 04:48	1.0	1	
318	met06_master	MSS	464735-001	Soil	291769	06/25/22 04:51	1.0	1	3:FEASFE2O3=270
319	met06_master	MS	QC996653	Soil	291769	06/25/22 04:54	1.0	1	3:ALASAL2O3=300
320	met06_master	CCV				06/25/22 04:58	1.0	10 1	
321	met06_master	CCB				06/25/22 05:01	1.0	1	
322	met06_master	SAMPLE	463774-036	Soil	291606	06/25/22 05:04	1.0	1	1:FE=180
323	met06_master	SAMPLE	463774-037	Soil	291606	06/25/22 05:07	1.0	1	1:FE=190
324	met06_master	SAMPLE	463774-039	Soil	291606	06/25/22 05:11	1.0	1	
325	met06_master	SAMPLE	463774-042	Soil	291606	06/25/22 05:14	1.0	1	1:FE=200
326	met06_master	SAMPLE	463774-043	Soil	291606	06/25/22 05:17	1.0	1	
327	met06_master	SAMPLE	463774-048	Soil	291606	06/25/22 05:20	1.0	1	1:FE=170
328	met06_master	SAMPLE	463774-049	Soil	291606	06/25/22 05:24	1.0	1	1:FE=200
329	met06_master	SAMPLE	463774-052	Soil	291606	06/25/22 05:27	1.0	1	
330	met06_master	BLANK	QC996204	Soil	291608	06/25/22 05:30	1.0	1	
331	met06_master	LCS	QC996205	Soil	291608	06/25/22 05:33	1.0	1	
332	met06_master	CCV				06/25/22 05:37	1.0	10 1	
333	met06_master	CCB				06/25/22 05:40	1.0	1	
334	met06_master	SAMPLE	464292-001	Soil	291608	06/25/22 05:43	1.0	1	
335	met06_master	SAMPLE	464427-002	Soil	291608	06/25/22 05:46	1.0	1	2:FE=240
336	met06_master	MSS	464581-006	Soil	291608	06/25/22 05:50	1.0	1	3:ALASAL2O3=260
337	met06_master	MS	QC996206	Soil	291608	06/25/22 05:53	1.0	1	4:ALASAL2O3=300
338	met06_master	MSD	QC996207	Soil	291608	06/25/22 05:56	1.0	1	4:ALASAL2O3=310
339	met06_master	PDS	QC996208	Soil	291608	06/25/22 05:59	1.0	1	1:FE=170
340	met06_master	SAMPLE	464581-008	Soil	291608	06/25/22 06:03	1.0	1	1:FE=220
341	met06_master	BLANK	QC996947	Miscell.	291867	06/25/22 06:06	1.0	1	
342	met06_master	BS	QC996949	Miscell.	291867	06/25/22 06:09	1.0	1	
343	met06_master	BSD	QC996950	Miscell.	291867	06/25/22 06:12	1.0	1	
344	met06_master	CCV				06/25/22 06:16	1.0	10 1	
345	met06_master	CCB				06/25/22 06:19	1.0	1	
346	met06_master	SAMPLE	464162-001	Miscell.	291867	06/25/22 06:22	1.0	1	1:P=68
347	met06_master	SAMPLE	464162-002	Miscell.	291867	06/25/22 06:25	1.0	1	1:P=77
348	met06_master	SAMPLE	464765-001	Miscell.	291867	06/25/22 06:29	1.0	1	
349	met06_master	BLANK	QC996666	Soil	291772	06/25/22 06:32	1.0	1	
350	met06_master	LCS	QC996667	Soil	291772	06/25/22 06:35	1.0	1	
351	met06_master	SAMPLE	464436-005	Soil	291772	06/25/22 06:38	1.0	1	3:CA=1100
352	met06_master	SAMPLE	464438-005	Soil	291772	06/25/22 06:42	1.0	1	
353	met06_master	MSS	464735-061	Soil	291772	06/25/22 06:45	1.0	1	3:FEASFE2O3=240
354	met06_master	MS	QC996668	Soil	291772	06/25/22 06:48	1.0	1	3:FEASFE2O3=280
355	met06_master	MSD	QC996669	Soil	291772	06/25/22 06:51	1.0	1	3:ALASAL2O3=300
356	met06_master	CCV				06/25/22 06:55	1.0	10 1	
357	met06_master	CCB				06/25/22 06:58	1.0	1	
358	met06_master	PDS	QC996670	Soil	291772	06/25/22 07:01	1.0	1	1:FE=160
359	met06_master	SAMPLE	464735-062	Soil	291772	06/25/22 07:04	1.0	1	1:FE=210
360	met06_master	SAMPLE	464735-063	Soil	291772	06/25/22 07:08	1.0	1	1:FE=200
361	met06_master	SAMPLE	464735-064	Soil	291772	06/25/22 07:11	1.0	1	1:FE=210
362	met06_master	SAMPLE	464735-065	Soil	291772	06/25/22 07:14	1.0	1	1:FE=210
363	met06_master	SAMPLE	464735-066	Soil	291772	06/25/22 07:17	1.0	1	1:FE=230
364	met06_master	SAMPLE	464735-067	Soil	291772	06/25/22 07:21	1.0	1	1:FE=190

Enthalpy Sequence Summary for Sequence 482252582

Instrument : MET06 Begun : 06/24/22 09:42
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
365	met06_master	BLANK	QC996656	Soil	291770	06/25/22 07:24	1.0	1	
366	met06_master	LCS	QC996657	Soil	291770	06/25/22 07:27	1.0	1	
367	met06_master	MSS	464735-021	Soil	291770	06/25/22 07:30	1.0	1	3:FEASFE2O3=300
368	met06_master	CCV				06/25/22 07:34	1.0	10 1	
369	met06_master	CCB				06/25/22 07:37	1.0	1	
370	met06_master	MS	QC996658	Soil	291770	06/25/22 07:40	1.0	1	3:ALASAL2O3=370
371	met06_master	MSD	QC996659	Soil	291770	06/25/22 07:43	1.0	1	3:ALASAL2O3=400
372	met06_master	PDS	QC996660	Soil	291770	06/25/22 07:47	1.0	1	1:FE=210
373	met06_master	SAMPLE	464735-022	Soil	291770	06/25/22 07:50	1.0	1	2:FE=230
374	met06_master	SAMPLE	464735-023	Soil	291770	06/25/22 07:53	1.0	1	1:FE=200
375	met06_master	SAMPLE	464735-024	Soil	291770	06/25/22 07:56	1.0	1	1:FE=190
376	met06_master	SAMPLE	464735-025	Soil	291770	06/25/22 08:00	1.0	1	1:FE=230
377	met06_master	SAMPLE	464735-026	Soil	291770	06/25/22 08:03	1.0	1	1:FE=210
378	met06_master	SAMPLE	464735-027	Soil	291770	06/25/22 08:06	1.0	1	1:FE=230
379	met06_master	SAMPLE	464735-028	Soil	291770	06/25/22 08:09	1.0	1	1:FE=200
380	met06_master	CCV				06/25/22 08:13	1.0	10 1	
381	met06_master	CCB				06/25/22 08:16	1.0	1	
382	met06_master	SAMPLE	464735-029	Soil	291770	06/25/22 08:19	1.0	1	1:FE=240
383	met06_master	SAMPLE	464735-030	Soil	291770	06/25/22 08:22	1.0	1	2:FE=190
384	met06_master	SAMPLE	464735-031	Soil	291770	06/25/22 08:26	1.0	1	1:FE=200
385	met06_master	SAMPLE	464735-032	Soil	291770	06/25/22 08:29	1.0	1	1:FE=250
386	met06_master	SAMPLE	464735-033	Soil	291770	06/25/22 08:32	1.0	1	1:FE=220
387	met06_master	SAMPLE	464735-034	Soil	291770	06/25/22 08:35	1.0	1	1:FE=240
388	met06_master	SAMPLE	464735-035	Soil	291770	06/25/22 08:39	1.0	1	1:FE=210
389	met06_master	SAMPLE	464735-036	Soil	291770	06/25/22 08:42	1.0	1	1:FE=190
390	met06_master	SAMPLE	464735-037	Soil	291770	06/25/22 08:45	1.0	1	1:FE=250
391	met06_master	SAMPLE	464735-038	Soil	291770	06/25/22 08:48	1.0	1	1:FE=230
392	met06_master	CCV				06/25/22 08:52	1.0	10 1	
393	met06_master	CCB				06/25/22 08:55	1.0	1	
394	met06_master	SAMPLE	464735-039	Soil	291770	06/25/22 08:58	1.0	1	1:FE=210
395	met06_master	SAMPLE	464735-040	Soil	291770	06/25/22 09:01	1.0	1	1:FE=210
396	met06_master	BLANK	QC996661	Soil	291771	06/25/22 09:05	1.0	1	
397	met06_master	LCS	QC996662	Soil	291771	06/25/22 09:08	1.0	1	
398	met06_master	MSS	464735-041	Soil	291771	06/25/22 09:11	1.0	1	3:ALASAL2O3=330
399	met06_master	MS	QC996663	Soil	291771	06/25/22 09:15	1.0	1	3:ALASAL2O3=300
400	met06_master	MSD	QC996664	Soil	291771	06/25/22 09:18	1.0	1	3:ALASAL2O3=380
401	met06_master	PDS	QC996665	Soil	291771	06/25/22 09:21	1.0	1	1:FE=220
402	met06_master	SAMPLE	464735-042	Soil	291771	06/25/22 09:24	1.0	1	1:FE=190
403	met06_master	SAMPLE	464735-043	Soil	291771	06/25/22 09:28	1.0	1	1:FE=210
404	met06_master	CCV				06/25/22 09:31	1.0	10 1	
405	met06_master	CCB				06/25/22 09:34	1.0	1	
406	met06_master	SAMPLE	464735-044	Soil	291771	06/25/22 09:37	1.0	1	1:FE=180
407	met06_master	SAMPLE	464735-045	Soil	291771	06/25/22 09:41	1.0	1	1:FE=190
408	met06_master	SAMPLE	464735-046	Soil	291771	06/25/22 09:44	1.0	1	1:FE=280
409	met06_master	SAMPLE	464735-047	Soil	291771	06/25/22 09:47	1.0	1	1:FE=210
410	met06_master	SAMPLE	464735-048	Soil	291771	06/25/22 09:50	1.0	1	1:FE=230
411	met06_master	SAMPLE	464735-049	Soil	291771	06/25/22 09:54	1.0	1	1:FE=190
412	met06_master	SAMPLE	464735-050	Soil	291771	06/25/22 09:57	1.0	1	1:FE=210
413	met06_master	SAMPLE	464735-051	Soil	291771	06/25/22 10:00	1.0	1	1:FE=210
414	met06_master	SAMPLE	464735-052	Soil	291771	06/25/22 10:03	1.0	1	1:FE=210
415	met06_master	SAMPLE	464735-053	Soil	291771	06/25/22 10:07	1.0	1	1:FE=210
416	met06_master	CCV				06/25/22 10:10	1.0	10 1	

Enthalpy Sequence Summary for Sequence 482252582

Instrument : MET06 Begun : 06/24/22 09:42
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
417	met06_master	CCB				06/25/22 10:13	1.0	1	
418	met06_master	SAMPLE	464735-054	Soil	291771	06/25/22 10:16	1.0	1	1:FE=220
419	met06_master	SAMPLE	464735-055	Soil	291771	06/25/22 10:20	1.0	1	1:FE=200
420	met06_master	SAMPLE	464735-056	Soil	291771	06/25/22 10:23	1.0	1	1:FE=210
421	met06_master	SAMPLE	464735-057	Soil	291771	06/25/22 10:26	1.0	1	1:FE=190
422	met06_master	SAMPLE	464735-058	Soil	291771	06/25/22 10:29	1.0	1	1:FE=190
423	met06_master	SAMPLE	464735-059	Soil	291771	06/25/22 10:33	1.0	1	2:FE=310
424	met06_master	SAMPLE	464735-060	Soil	291771	06/25/22 10:36	1.0	1	1:FE=210
425	met06_master	BLANK	QC996888	WET Leachate	291852	06/25/22 10:39	1.0	1	
426	met06_master	BLANK	QC996889	WET Leachate	291852	06/25/22 10:42	1.0	1	
427	met06_master	BLANK	QC996890	WET Leachate	291852	06/25/22 10:46	1.0	1	
428	met06_master	CCV				06/25/22 10:49	1.0	10 1	
429	met06_master	CCB				06/25/22 10:52	1.0	1	
430	met06_master	BS	QC996891	WET Leachate	291852	06/25/22 10:56	1.0	1	
431	met06_master	BSD	QC996892	WET Leachate	291852	06/25/22 10:59	1.0	1	
432	met06_master	SAMPLE	464274-011	WET Leachate	291852	06/25/22 11:02	1.0	1	
433	met06_master	SAMPLE	464274-012	WET Leachate	291852	06/25/22 11:05	1.0	1	
434	met06_master	SAMPLE	464274-013	WET Leachate	291852	06/25/22 11:09	1.0	1	
435	met06_master	SAMPLE	464274-015	WET Leachate	291852	06/25/22 11:12	1.0	1	
436	met06_master	SAMPLE	464274-018	WET Leachate	291852	06/25/22 11:15	1.0	1	
437	met06_master	CCV				06/25/22 11:18	1.0	10 1	
438	met06_master	CCB				06/25/22 11:22	1.0	1	

SBW 06/27/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 438.

Standards used: 1=S13369 2=S16950 3=S16949 4=S16948 5=S16947 6=S16645 7=S16518 8=S16675 9=S16519 10=S16870 11=S16646 12=S16520 13=S16601

Enthalpy Internal Standard Summary for Sequence 482252582

Date : 06/24/22 Reference : met06_master
Sequence : MET06 06/24/22 Analyzed : 06/24/22 09:46

#	Type	Sample ID	Y H	Y A	Y R
		ICALBLK STD	33514014	1559261	337694
		LOWER LIMIT	10054204	467778	101308
		UPPER LIMIT	67028028	3118522	675388
013	ICB		34287243	1634576	346227
014	ICSA		28952697	1392676	315474
015	ICSAB		29272124	1400842	316127
016	BLANK	QC996376	34513198	1647304	344814
017	BLANK	QC996714	34849281	1639537	342120
018	LCS	QC996715	30459607	1475555	324331
019	SAMPLE	464701-001	34385799	1659474	344675
020	MSS	464716-001	31572286	1531574	331253
021	MS	QC996716	29498576	1441594	323096
022	MSD	QC996717	29510595	1445426	322769
023	SAMPLE	464274-022	35457865	1699324	349645
024	CCV		30553752	1488692	323769
025	CCB		34424779	1663017	343378
026	SAMPLE	464701-001	32663888	1537126	353676
027	BLANK	QC996199	33671520	1572690	349201
028	LCS	QC996200	33206972	1568769	343887
029	SAMPLE	463774-053	32239883	1551777	340692
030	MSS	464274-009	31782731	1540481	337457
031	MS	QC996201	31766460	1551466	339322
032	MSD	QC996202	31669979	1559793	337210
034	SAMPLE	464406-001	32123166	1979095	333353
035	SAMPLE	464407-001	33019405	1612631	337213
036	CCV		31092408	1531842	328634
037	CCB		35034946	1719214	347275
038	SAMPLE	464427-001	31828160	1552946	330612
039	SAMPLE	464475-005	32985722	1609836	337999
040	SAMPLE	464530-001	30320893	1503057	323299
041	SAMPLE	464530-002	29741928	1478250	319856
042	SAMPLE	464530-003	32078787	1593317	330757
043	SAMPLE	464543-001	32328843	1593784	335201
044	SAMPLE	464543-002	33190735	1634394	339841
045	SAMPLE	464543-004	32811764	1624827	338114
046	SAMPLE	464543-005	32954602	1640186	336954
047	SAMPLE	464543-007	32998373	1645664	336773
048	CCV		31753807	1595758	329138
049	CCB		35548801	1780084	349937
050	SAMPLE	464543-008	33710044	1684341	342053
051	SAMPLE	464543-010	33877296	1698583	344164
052	SAMPLE	464543-011	33623330	1684409	339980
053	SAMPLE	464543-012	33880622	1709371	342676
054	SAMPLE	464543-015	33272936	1677750	337417
055	SAMPLE	464059-001	36460303	1837206	355161
056	CCV		31774615	1609884	327073
057	CCB		35433432	1803048	347777
058	BLANK	QC996810	34762106	1691764	339451
059	LCS	QC996811	33172619	1651270	333100
060	MSS	464684-003	33727035	1664503	334113
062	MSD	QC996813	32812562	1645299	330049

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#	Type	Sample ID	Y H	Y A	Y R
063	SAMPLE	464723-002	31875657	1603460	327266
064	SAMPLE	464747-001	31151861	1571568	325773
065	SAMPLE	464763-001	29650615	1518188	315584
066	SAMPLE	464764-001	26008749	1401281	304587
067	SAMPLE	464764-002	24384841	1335442	296635
068	CCV		31632573	1622389	333183
069	CCB		36589497	1857469	355210
070	SAMPLE	464764-003	23455771	1310645	292629
071	BLANK	QC996852	29463362	1593408	323259
072	LCS	QC996853	29389656	1592741	321875
073	MSS	464186-060	29508700	1563796	323068
074	MS	QC996854	29478247	1574357	320817
075	MSD	QC996855	29167355	1550473	320473
076	BS	QC996840	33376772	1689530	329978
077	BSD	QC996841	33332815	1671503	329510
078	CCV		32542114	1660409	331232
079	CCB		36297173	1848203	347822
080	SAMPLE	464737-001	34111970	1703465	334855
081	SAMPLE	464737-003	34359022	1712189	334057
082	SAMPLE	464737-005	34529623	1716420	333176
083	BLANK	QC994465	36731130	1841772	351413
084	LCS	QC994466	34928085	1785465	345707
085	MSS	464073-001	33383663	1741515	337586
086	MS	QC994467	32791341	1725449	337349
087	CCV		31857922	1655104	328960
088	CCB		35877043	1839997	347170
089	BLANK	QC996916	33950761	1767802	351912
090	BLANK	QC996919	33211447	1720604	334493
091	BS	QC996917	33157181	1722111	336820
092	BSD	QC996918	33270904	1716749	335894
093	SAMPLE	462959-007	33271435	1720046	337653
094	SAMPLE	462959-008	33249424	1721220	334515
095	SAMPLE	462959-009	33243290	1719263	337346
096	SAMPLE	462959-010	33447754	1743166	336002
097	SAMPLE	462959-014	33267299	1736231	336301
099	CCV		32224196	1669855	332833
100	CCB		36439293	1875294	350448
101	BLANK	QC996852	29572651	1586471	321113
102	SAMPLE	464186-019	29273125	1574519	322965
103	LCS	QC996399	34630478	1779830	341335
104	MSS	464619-001	31527968	1676008	334242
105	MS	QC996400	31217196	1664251	330235
106	MSD	QC996401	31287734	1659223	331067
107	SAMPLE	464641-001	30643967	1639701	324732
108	SAMPLE	464646-002	22003821	1198355	284107
109	MS	QC996812	32916906	1693114	330075
110	CCV		32573309	1683226	331091
111	CCB		36166315	1859703	349813
112	SAMPLE	462959-015	33135869	1724971	335235
113	SAMPLE	462959-016	33130289	1731648	336650
114	SAMPLE	462959-017	33332325	1754954	337445
115	BLANK	QC996839	33810366	1741025	331676

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#	Type	Sample ID	Y H	Y A	Y R
116	SAMPLE	462959-018	33860958	1771691	337304
117	SAMPLE	462959-020	33438063	1761208	337722
118	SAMPLE	463034-001	33302986	1753347	333114
119	SAMPLE	463034-003	33341437	1758075	335255
120	SAMPLE	463034-005	33443513	1754298	334483
121	CCV		32564981	1692641	332351
122	CCB		36539446	1876075	352715
123	SAMPLE	463034-006	33092643	1726110	334942
124	SAMPLE	463034-007	33266862	1740015	337427
125	SAMPLE	463034-011	33479026	1735315	335080
126	SAMPLE	463034-012	33255588	1726974	336468
127	SAMPLE	464543-014	33516925	1736485	337944
128	CCV		32018905	1658524	327960
129	CCB		36425926	1861549	349817
130	BLANK	QC996976	34207274	1754970	340930
131	BLANK	QC996977	33210410	1716326	334592
132	BS	QC996978	33421512	1722967	337770
133	BSD	QC996979	33431855	1722746	333992
134	SAMPLE	464274-004	33041697	1711340	337224
135	SAMPLE	464274-007	33203175	1708594	335134
137	BLANK	QC996920	29364772	1570251	321975
138	LCS	QC996921	29389826	1572034	321268
139	MSS	464274-004	29381566	1536215	319220
140	CCV		31954490	1634788	329238
141	CCB		36168942	1830942	349801
142	MS	QC996922	29002863	1532846	319777
143	MSD	QC996923	29117295	1534534	317697
144	SAMPLE	464274-022	28767598	1501840	315018
145	MSS	464349-001	35185578	1792158	345652
146	MS	QC997004	34883839	1773247	346180
147	MSD	QC997005	34401754	1760006	344028
148	SAMPLE	464349-002	34569378	1758610	346017
149	SAMPLE	464349-003	34463411	1750570	345840
150	SAMPLE	464349-004	34349088	1750477	345807
151	SAMPLE	464349-005	34201218	1744512	343982
152	CCV		31337989	1576827	323791
153	CCB		35711668	1782485	345886
154	SAMPLE	464349-006	34434899	1738944	343401
155	SAMPLE	464349-007	34182221	1730763	343086
156	SAMPLE	464349-008	34120150	1728092	343101
157	SAMPLE	464349-009	34119086	1729477	347418
158	SAMPLE	464349-010	34109895	1722356	341961
159	BLANK	QC996821	35514099	1753389	348051
160	LCS	QC996822	34223280	1701211	339985
161	SAMPLE	464654-001	32506678	1608181	325501
162	SAMPLE	464781-001	32454214	1626914	332780
163	MSS	464782-002	30997786	1699349	326735
164	CCV		31279846	1569476	324776
165	CCB		35931490	1780587	348376
166	MS	QC996823	30792634	1676287	325696
167	MSD	QC996824	30643364	1684121	323879
168	BLANK	QC996814	33689055	1657115	332824

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#	Type	Sample ID	Y H	Y A	Y R
169	LCS	QC996815	32725661	1616787	326679
170	MSS	464765-002	24469040	1311616	301342
171	MS	QC996819	24398331	1310547	302181
172	MSD	QC996820	24559461	1315642	303699
173	BLANK	QC996825	34873056	1715927	335258
174	LCS	QC996826	33456117	1664436	330618
175	MSS	464778-001	33714268	1665770	334039
176	CCV		30537057	1527004	318285
177	CCB		35234272	1743566	342341
178	MS	QC996827	32970409	1619062	329043
179	MSD	QC996828	33061181	1619060	328960
180	SAMPLE	464782-001	30230839	1540208	326534
181	SAMPLE	464782-003	26571090	1406299	311566
182	BLANK	QC996911	33664283	1652246	337913
183	LCS	QC996912	33149836	1614762	333652
184	MSS	464254-001	32660797	1599598	330066
185	MS	QC996913	32385590	1588521	330147
186	MSD	QC996914	32557112	1593617	330437
188	CCV		30821822	1523573	323485
189	CCB		35362063	1712891	345371
190	SAMPLE	464254-002	32352645	1579952	331489
191	SAMPLE	464254-003	32452195	1591117	330790
192	SAMPLE	464254-004	31490297	1540317	324573
193	SAMPLE	464254-005	31221348	1546959	328579
194	BLANK	QC996928	32889022	1585097	328111
195	BS	QC996929	32560508	1567142	327312
196	BSD	QC996930	32728818	1580252	326591
197	SAMPLE	464779-001	32480780	1550264	327544
198	SAMPLE	464779-004	32477868	1549782	327630
199	SAMPLE	464779-005	32514284	1559374	327939
200	CCV		30982416	1510568	320648
201	CCB		35038961	1686625	342251
202	SAMPLE	464785-001	32021033	1525343	326332
203	SAMPLE	464785-003	32352901	1540415	326750
204	SAMPLE	464785-005	32387767	1550999	326707
205	BLANK	QC996194	33924333	1614942	334410
206	LCS	QC996195	32988595	1589579	332031
207	MSS	463774-003	32089571	1566686	329692
208	MS	QC996196	31688760	1549817	330382
209	MSD	QC996197	31612815	1553659	328955
211	SAMPLE	463774-004	32084250	1557008	328414
212	CCV		30456359	1485937	316516
213	CCB		34845400	1673357	341271
214	SAMPLE	463774-005	31750145	1548499	331397
215	SAMPLE	463774-006	32115675	1553527	326894
216	SAMPLE	463774-012	31443727	1531731	326606
217	SAMPLE	463774-013	31862673	1540062	323481
218	SAMPLE	463774-015	31718217	1525253	323088
219	SAMPLE	463774-021	31718345	1519615	323240
220	SAMPLE	463774-022	31673218	1527894	323044
221	SAMPLE	463774-024	31625123	1527648	324245
222	SAMPLE	463774-027	31726178	1538767	325326

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#	Type	Sample ID	Y H	Y A	Y R
223	SAMPLE	463774-029	31945631	1554086	331668
224	CCV		30198682	1466989	317696
225	CCB		34602956	1661954	342104
226	SAMPLE	464335-001	32030516	1539846	327356
227	BLANK	QC996636	33006858	1554272	329349
228	LCS	QC996637	32193326	1527396	322817
229	SAMPLE	464266-001	29052593	1393619	310572
230	SAMPLE	464277-001	31463497	1506200	324480
231	SAMPLE	464324-001	27873689	1371465	305748
232	SAMPLE	464362-002	27071120	1312388	299646
233	SAMPLE	464362-003	32166099	1538447	324568
234	SAMPLE	464403-001	30485555	1453786	320078
235	SAMPLE	464403-002	30429291	1447715	318868
236	CCV		29959659	1449719	314032
237	CCB		34339938	1634817	336849
238	SAMPLE	464403-003	30301295	1456976	317986
239	SAMPLE	464403-004	30166683	1449122	317075
240	MSS	464413-001	31078267	1483077	320481
241	MS	QC996638	30295626	1464905	316183
242	MSD	QC996639	30516010	1471889	316493
244	SAMPLE	464413-002	29541025	1414107	311086
245	SAMPLE	464413-004	30493997	1456798	317016
246	SAMPLE	464413-005	31326754	1490244	320283
247	SAMPLE	464413-006	30568469	1478225	316815
248	CCV		29766804	1433460	312027
249	CCB		34068890	1616638	334801
250	SAMPLE	464421-001	29595581	1419744	314163
251	SAMPLE	464421-003	30804164	1474661	316029
252	SAMPLE	464421-005	31402750	1485183	316158
253	SAMPLE	464421-006	30667840	1453097	317798
254	SAMPLE	464421-011	30293277	1466281	316111
255	SAMPLE	464421-013	30612333	1458771	314723
256	BLANK	QC996641	32551937	1525762	321510
257	LCS	QC996642	31608886	1490908	316471
258	MSS	464506-001	29798197	1423753	314750
259	MS	QC996643	29811856	1418273	312372
260	CCV		29569185	1422505	311161
261	CCB		34024278	1617359	333391
262	MSD	QC996644	29585409	1412811	310687
264	SAMPLE	464508-001	30678248	1463450	315060
265	SAMPLE	464508-003	30339924	1439592	311026
266	SAMPLE	464509-001	29863772	1416440	311045
267	SAMPLE	464509-003	29845856	1414279	310602
268	SAMPLE	464528-001	29242691	1391463	308750
269	SAMPLE	464581-003	30486703	1461654	317511
270	SAMPLE	464606-001	32085049	1514115	319163
271	SAMPLE	464617-001	30278618	1445974	313195
272	CCV		29654898	1424444	307573
273	CCB		33948183	1598355	329603
274	SAMPLE	464665-001	30447269	1465789	315818
275	SAMPLE	464665-002	30553820	1464281	312649
276	SAMPLE	464665-003	30741817	1461974	315351

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#	Type	Sample ID	Y H	Y A	Y R
277	SAMPLE	464665-004	31090653	1474649	317322
278	SAMPLE	464665-005	30905145	1475115	316561
279	SAMPLE	464665-006	31061815	1480890	317829
280	SAMPLE	464665-007	31109776	1479492	316270
281	SAMPLE	464665-008	31340961	1489084	318246
282	SAMPLE	464665-009	31031806	1487743	313708
283	SAMPLE	464665-010	31009629	1490782	317328
284	CCV		30074091	1443644	311168
285	CCB		34485459	1631353	334096
286	SAMPLE	464665-011	30864393	1481525	316271
287	BLANK	QC996646	32986130	1543370	321377
288	LCS	QC996647	32159142	1527109	317326
289	MSS	464665-012	31103543	1498752	316338
290	MS	QC996648	30844751	1493212	314247
291	MSD	QC996649	30703391	1487738	314740
293	SAMPLE	464665-013	31041461	1487724	315139
294	SAMPLE	464665-014	31135761	1492034	314035
295	SAMPLE	464665-015	31513285	1503202	313528
296	CCV		30137089	1461116	310751
297	CCB		34615651	1635514	332440
298	SAMPLE	464665-016	30804435	1484834	313093
299	SAMPLE	464665-017	31282960	1504298	315978
300	SAMPLE	464665-018	31456177	1508715	317502
301	SAMPLE	464665-019	31038882	1497934	312290
302	SAMPLE	464665-020	31487552	1516498	315720
303	SAMPLE	464665-021	31099075	1506155	312803
304	SAMPLE	464665-022	31104546	1510266	314349
305	SAMPLE	464665-023	31097208	1494554	310891
306	SAMPLE	464665-024	31136685	1496250	314453
307	SAMPLE	464670-004	30724549	1476445	313130
308	CCV		30070911	1461219	305630
309	CCB		34273082	1645811	328407
310	SAMPLE	464674-004	30851042	1490547	311572
311	SAMPLE	464674-009	31047912	1497397	312640
312	SAMPLE	464674-014	31360639	1506033	313382
313	SAMPLE	464674-019	31390075	1512760	312219
314	SAMPLE	464674-024	32792496	1574791	325731
315	SAMPLE	464674-029	31218548	1509878	312219
316	BLANK	QC996651	33169692	1557654	319134
317	LCS	QC996652	32296899	1536262	314691
318	MSS	464735-001	31211919	1497048	312021
319	MS	QC996653	30905333	1485273	309826
320	CCV		30101679	1452142	307147
321	CCB		34454939	1641407	328371
322	SAMPLE	463774-036	30976339	1491549	310722
323	SAMPLE	463774-037	32847678	1565489	323465
324	SAMPLE	463774-039	31926581	1528952	316374
325	SAMPLE	463774-042	31714338	1521580	315155
326	SAMPLE	463774-043	31476020	1519215	313068
327	SAMPLE	463774-048	31897887	1535526	311509
328	SAMPLE	463774-049	31736379	1532787	315806
329	SAMPLE	463774-052	31368372	1510741	309484

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#	Type	Sample ID	Y H	Y A	Y R
330	BLANK	QC996204	33193389	1567119	319044
331	LCS	QC996205	32418383	1539062	314731
332	CCV		30213406	1454275	305871
333	CCB		34340012	1645302	328687
334	SAMPLE	464292-001	32718928	1557614	321367
335	SAMPLE	464427-002	31084173	1489326	311856
336	MSS	464581-006	31256550	1492055	312373
337	MS	QC996206	30991198	1490647	310901
338	MSD	QC996207	30910219	1490713	308859
340	SAMPLE	464581-008	30859542	1491562	310283
341	BLANK	QC996947	32574644	1518711	311158
342	BS	QC996949	31013622	1473624	304937
343	BSD	QC996950	30986495	1476920	304900
344	CCV		30160776	1461300	302755
345	CCB		34466445	1651832	324453
346	SAMPLE	464162-001	31333131	1495508	309306
347	SAMPLE	464162-002	31737160	1513400	310988
348	SAMPLE	464765-001	30785032	1477433	304150
349	BLANK	QC996666	33880846	1590958	322554
350	LCS	QC996667	32608167	1545617	314468
351	SAMPLE	464436-005	28688651	1385668	298324
352	SAMPLE	464438-005	33004841	1568271	317807
353	MSS	464735-061	31087004	1497444	312016
354	MS	QC996668	30733673	1484570	307002
355	MSD	QC996669	30724096	1483960	308133
356	CCV		30183203	1452085	300669
357	CCB		34014740	1631317	323011
359	SAMPLE	464735-062	30617224	1478738	302198
360	SAMPLE	464735-063	30962533	1491637	305523
361	SAMPLE	464735-064	30636908	1467571	303618
362	SAMPLE	464735-065	30554485	1476474	302670
363	SAMPLE	464735-066	30538341	1466448	301599
364	SAMPLE	464735-067	30595587	1459657	303256
365	BLANK	QC996656	32294640	1511937	308096
366	LCS	QC996657	31788981	1486039	303415
367	MSS	464735-021	30575515	1464049	302538
368	CCV		29178728	1399774	293929
369	CCB		33305670	1574592	314550
370	MS	QC996658	29768328	1424274	297908
371	MSD	QC996659	29727746	1433399	298925
373	SAMPLE	464735-022	30453154	1454453	304914
374	SAMPLE	464735-023	30573785	1461981	303397
375	SAMPLE	464735-024	30165777	1431783	300428
376	SAMPLE	464735-025	30368698	1449204	302392
377	SAMPLE	464735-026	30422372	1450724	299614
378	SAMPLE	464735-027	30187613	1441969	298686
379	SAMPLE	464735-028	30218256	1445744	299333
380	CCV		29259392	1396706	291997
381	CCB		33286600	1577548	315088
382	SAMPLE	464735-029	30277530	1443282	301867
383	SAMPLE	464735-030	30762765	1464250	302108
384	SAMPLE	464735-031	30403815	1459205	299264

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Date : 06/24/22 Reference : met06_master
Sequence : MET06 06/24/22 Analyzed : 06/24/22 09:46

#	Type	Sample ID	Y H	Y A	Y R
385	SAMPLE	464735-032	30185412	1451438	299507
386	SAMPLE	464735-033	30270191	1448901	299966
387	SAMPLE	464735-034	30453395	1458323	303085
388	SAMPLE	464735-035	30498258	1458343	302436
389	SAMPLE	464735-036	30568800	1452171	298409
390	SAMPLE	464735-037	30148437	1449048	298733
391	SAMPLE	464735-038	30215021	1447012	299558
392	CCV		29315331	1400011	293447
393	CCB		33403996	1575540	313823
394	SAMPLE	464735-039	30106729	1444078	296577
395	SAMPLE	464735-040	30325107	1447648	301220
396	BLANK	QC996661	32700951	1518252	308135
397	LCS	QC996662	31666016	1492995	303725
398	MSS	464735-041	30828186	1472583	302322
399	MS	QC996663	30513828	1446019	296760
400	MSD	QC996664	30433904	1463129	298388
402	SAMPLE	464735-042	30429561	1465665	298745
403	SAMPLE	464735-043	30407418	1455095	298631
404	CCV		29559932	1408189	290405
405	CCB		32346982	1578517	311440
406	SAMPLE	464735-044	30173824	1439830	297507
407	SAMPLE	464735-045	30316481	1446711	297211
408	SAMPLE	464735-046	30087583	1444204	295510
409	SAMPLE	464735-047	29973216	1435078	295833
410	SAMPLE	464735-048	30226417	1438492	296131
411	SAMPLE	464735-049	30573094	1463379	298032
412	SAMPLE	464735-050	30414549	1451966	297659
413	SAMPLE	464735-051	30361777	1461074	296850
414	SAMPLE	464735-052	30134933	1447495	294922
415	SAMPLE	464735-053	30242412	1440879	294849
416	CCV		29459607	1402353	291880
417	CCB		32275744	1573407	310960
418	SAMPLE	464735-054	30093008	1442097	297483
419	SAMPLE	464735-055	30537288	1452461	297060
420	SAMPLE	464735-056	30412427	1453953	296377
421	SAMPLE	464735-057	30415414	1440377	294219
422	SAMPLE	464735-058	30601959	1458556	296112
423	SAMPLE	464735-059	30583826	1464257	294784
424	SAMPLE	464735-060	30429820	1452007	293362
425	BLANK	QC996888	30787037	1476761	295981
426	BLANK	QC996889	30688555	1479268	296119
427	BLANK	QC996890	31243787	1489532	295339
428	CCV		29445684	1412202	288992
429	CCB		32369133	1591220	307374
430	BS	QC996891	30830323	1475564	293347
431	BSD	QC996892	30785320	1479495	295562
432	SAMPLE	464274-011	30844008	1477294	292287
433	SAMPLE	464274-012	30800037	1475157	292445
434	SAMPLE	464274-013	31044660	1494146	293239
435	SAMPLE	464274-015	31420517	1504721	294363
436	SAMPLE	464274-018	31387530	1499813	294461
437	CCV		29770231	1431540	288233

Enthalpy Internal Standard Summary for Sequence 482252582

Date : 06/24/22 Reference : met06_master
Sequence : MET06 06/24/22 Analyzed : 06/24/22 09:46

#	Type	Sample ID	Y H	Y A	Y R
438	CCB		32443888	1600398	308291

ENTHALPY INITIAL CALIBRATION FOR 464779 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	482252582001	Date:	24-JUN-2022 09:46
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master	482252582003	L1	24-JUN-2022 09:49	S16950, S13369 (100X)
L2	met06_master	482252582004	L2	24-JUN-2022 09:52	S16949, S13369 (100X)
L3	met06_master	482252582005	L3	24-JUN-2022 09:55	S16948, S13369 (100X)
L4	met06_master	482252582006	L4	24-JUN-2022 09:59	S16947, S13369 (100X)

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	0.0290	0.0337	0.0339	0.0320	WB1K	5.85E-4	31.2250		0.0322	1.000		5	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
WB1K: Linear regression with ICALBLK weighting factor of 1000

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D
Lead	A	0.0033	8	0.1000	6	1.0000	6	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 464779 METALS Wipe
EPA 6010B

Inst : MET06
Calnum : 482252582001 Cal Date : 24-JUN-2022

ICV 482252582011 (24-JUN-2022) stds: S16870, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	0.9799	mg/l	-2	

ENTHALPY INSTRUMENT BLANK FOR 464779 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482252582013 File : met06_master Time : 24-JUN-2022 10:35
Cal : 482252582001 Caldate : 24-JUN-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33514014	34287243	2.31
Yttrium	A	1559261	1634576	4.83
Yttrium	R	337694	346227	2.53

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 464779 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482252582014 File : met06_master Time : 24-JUN-2022 10:38
Cal : 482252582001 Caldate : 24-JUN-2022
Standards: S16520, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.01468]	0.003333	mg/l	a- ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	145.3	mg/l	91	
Aluminum	R	400.0	368.7	mg/l	92	
Calcium	R	400.0	390.1	mg/l	98	
Magnesium	R	400.0	408.6	mg/l	102	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33514014	28952697	-13.61
Yttrium	A	1559261	1392676	-10.68
Yttrium	R	337694	315474	-6.58

-=low bias a=ICSA

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 464779 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482252582015 File : met06_master Time : 24-JUN-2022 10:42
Cal : 482252582001 Caldate : 24-JUN-2022
Standards: S16601, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	0.9614	mg/l	-4	20	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33514014	29272124	-12.66
Yttrium	A	1559261	1400842	-10.16
Yttrium	R	337694	316127	-6.39

ENTHALPY CONTINUING CALIBRATION FOR 464779 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482252582188 File : met06_master Time : 24-JUN-2022 21:42
Cal : 482252582001 Caldate : 24-JUN-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0322	0.0322	1.000	1.006	mg/l	1	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33514014	30821822	-8.03
Yttrium	A	1559261	1523573	-2.29
Yttrium	R	337694	323485	-4.21

ENTHALPY INSTRUMENT BLANK FOR 464779 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482252582189 File : met06_master Time : 24-JUN-2022 21:45
Cal : 482252582001 Caldate : 24-JUN-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33514014	35362063	5.51
Yttrium	A	1559261	1712891	9.85
Yttrium	R	337694	345371	2.27

ENTHALPY CONTINUING CALIBRATION FOR 464779 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482252582200 File : met06_master Time : 24-JUN-2022 22:21
Cal : 482252582001 Caldate : 24-JUN-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0322	0.0323	1.000	1.008	mg/l	1	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33514014	30982416	-7.55
Yttrium	A	1559261	1510568	-3.12
Yttrium	R	337694	320648	-5.05

ENTHALPY INSTRUMENT BLANK FOR 464779 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482252582201 File : met06_master Time : 24-JUN-2022 22:24
Cal : 482252582001 Caldate : 24-JUN-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33514014	35038961	4.55
Yttrium	A	1559261	1686625	8.17
Yttrium	R	337694	342251	1.35

SAMPLE PREPARATION SUMMARY

Batch # : 291864 Analysis : ICP
Started By : DLS Prep Date : 24-JUN-2022 14:50 Finished By : DLS
Method : 3050B Units : ft2
Spike #1 ID : S16855 Spike #2 ID : S16906

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
464779-001		Wipe	1	100	1	100.0						6010	
464779-004		Wipe	1	100	1	100.0						6010	
464779-005		Wipe	1	100	1	100.0						6010	
464785-001		Wipe	1.0276	100	1	97.31						6010	
464785-003		Wipe	1.0276	100	1	97.31						6010	
464785-005		Wipe	1	100	1	100.0						6010	
QC996928	BLANK	Wipe	1	100	1	100.0						ICP	
QC996929	BS	Wipe	1	100	1	100.0		1	1			ICP	
QC996930	BSD	Wipe	1	100	1	100.0		1	1			ICP	

Analyst: KLN Date: 06/26/22 Reviewer: SLL Date: 06/27/22

ICP Prep Log

Initials: BR Prep Method: 3050B / 3010A / 200.7 / STLC QC Batch #: 291864 Thermometer ID: 918625

Prep Start, Date/Time: 6/21/22 14:50 Prep End, Date/Time: 6/21/22 16:15 HotBlock Temperature, °C: 95

HotBlock ID: 3

Sample ID	Bottle #	Sample pH (Water Only)	Sample Appearance	Initial Vol. or Weight (mL or g)	Bal. ID	Final Vol (mL)	Digestion Tube Lot#	Comment
Blank	-----	-----	—	1	NA	100	MD0150000027	
LCS	-----	-----	—	1				
LCSD	—	—	—	1				
464779-1	A	NA	wipe	1 wipe				
-4	~~A~~							
-5	A							
464785-1	~~A~~							
-3	A							
-5	~~A~~							

Hydrochloric Acid ID: 10mL - 21290204

Nitric Acid ID: 10mL - 20220131336

H_2O_2 ID: 3mL - 216661

LCS Spike ID: 1mL - 516855/516906

MS/MSD Spike ID: N/A

ICP Raw Data

Enthalpy Sequence Summary for Sequence 482252582

Instrument : MET06 Begun : 06/24/22 09:42
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master	ICALBLK	CALBLANK			06/24/22 09:42	1.0	1	
002	met06_master	ICALBLK	CALBLANK			06/24/22 09:46	1.0	1	
003	met06_master	ICAL	L1			06/24/22 09:49	1.0	2 1	
004	met06_master	ICAL	L2			06/24/22 09:52	1.0	3 1	
005	met06_master	ICAL	L3			06/24/22 09:55	1.0	4 1	
006	met06_master	ICAL	L4			06/24/22 09:59	1.0	5 1	
007	met06_master	ICAL	L5			06/24/22 10:02	1.0	6 1	
008	met06_master	ICAL	L6			06/24/22 10:05	1.0	7 1	
009	met06_master	ICAL	L7			06/24/22 10:09	1.0	8 1	
010	met06_master	ICAL	L8			06/24/22 10:12	1.0	9 1	
011	met06_master	ICV				06/24/22 10:15	1.0	10 1	
012	met06_master	CRI				06/24/22 10:32	1.0	11 1	
013	met06_master	ICB				06/24/22 10:35	1.0	1	
014	met06_master	ICSA				06/24/22 10:38	1.0	12 1	4:MGASMGCO3=1400
015	met06_master	ICSAB				06/24/22 10:42	1.0	13 1	4:MGASMGCO3=1400
016	met06_master	BLANK	QC996376	Drinking Water	291675	06/24/22 10:45	1.0	1	
017	met06_master	BLANK	QC996714	Water	291785	06/24/22 10:57	1.0	1	
018	met06_master	LCS	QC996715	Water	291785	06/24/22 11:01	1.0	1	
019	met06_master	SAMPLE	464701-001	Water	291785	06/24/22 11:04	50.0	1	
020	met06_master	MSS	464716-001	Water	291785	06/24/22 11:07	1.0	1	1:SULFUR=110
021	met06_master	MS	QC996716	Water	291785	06/24/22 11:10	1.0	1	2:MGASMGCO3=740
022	met06_master	MSD	QC996717	Water	291785	06/24/22 11:14	1.0	1	2:MGASMGCO3=730
023	met06_master	SAMPLE	464274-022	Soil	291711	06/24/22 11:17	25.0	1	
024	met06_master	CCV				06/24/22 11:20	1.0	10 1	
025	met06_master	CCB				06/24/22 11:23	1.0	1	
026	met06_master	SAMPLE	464701-001	Water	291785	06/24/22 11:40	50.0	1	
027	met06_master	BLANK	QC996199	Soil	291607	06/24/22 11:46	1.0	1	
028	met06_master	LCS	QC996200	Soil	291607	06/24/22 11:49	1.0	1	
029	met06_master	SAMPLE	463774-053	Soil	291607	06/24/22 11:52	1.0	1	
030	met06_master	MSS	464274-009	Soil	291607	06/24/22 11:55	1.0	1	4:ALASAL2O3=410
031	met06_master	MS	QC996201	Soil	291607	06/24/22 11:59	1.0	1	4:ALASAL2O3=450
032	met06_master	MSD	QC996202	Soil	291607	06/24/22 12:02	1.0	1	4:ALASAL2O3=530
033	met06_master	PDS	QC996203	Soil	291607	06/24/22 12:05	1.0	1	2:FE=210
034	met06_master	SAMPLE	464406-001	Miscell.	291607	06/24/22 12:08	1.0	1	4:CU=150
035	met06_master	SAMPLE	464407-001	Soil	291607	06/24/22 12:12	1.0	1	
036	met06_master	CCV				06/24/22 12:15	1.0	10 1	
037	met06_master	CCB				06/24/22 12:18	1.0	1	
038	met06_master	SAMPLE	464427-001	Soil	291607	06/24/22 12:21	1.0	1	1:FE=200
039	met06_master	SAMPLE	464475-005	Soil	291607	06/24/22 12:25	1.0	1	1:FE=180
040	met06_master	SAMPLE	464530-001	Soil	291607	06/24/22 12:28	1.0	1	1:FE=330
041	met06_master	SAMPLE	464530-002	Soil	291607	06/24/22 12:31	1.0	1	2:MG=1200
042	met06_master	SAMPLE	464530-003	Soil	291607	06/24/22 12:35	1.0	1	1:FE=240
043	met06_master	SAMPLE	464543-001	Soil	291607	06/24/22 12:38	1.0	1	1:FE=200
044	met06_master	SAMPLE	464543-002	Soil	291607	06/24/22 12:41	1.0	1	1:FE=180
045	met06_master	SAMPLE	464543-004	Soil	291607	06/24/22 12:44	1.0	1	1:FE=190
046	met06_master	SAMPLE	464543-005	Soil	291607	06/24/22 12:48	1.0	1	1:FE=230
047	met06_master	SAMPLE	464543-007	Soil	291607	06/24/22 12:51	1.0	1	1:FE=170
048	met06_master	CCV				06/24/22 12:54	1.0	10 1	
049	met06_master	CCB				06/24/22 12:57	1.0	1	
050	met06_master	SAMPLE	464543-008	Soil	291607	06/24/22 13:01	1.0	1	1:FE=160
051	met06_master	SAMPLE	464543-010	Soil	291607	06/24/22 13:04	1.0	1	1:FE=160
052	met06_master	SAMPLE	464543-011	Soil	291607	06/24/22 13:07	1.0	1	1:FE=160

Enthalpy Sequence Summary for Sequence 482252582

Instrument : MET06 Begun : 06/24/22 09:42
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met06_master	SAMPLE	464543-012	Soil	291607	06/24/22 13:10	1.0	1	1:FE=190
054	met06_master	SAMPLE	464543-015	Soil	291607	06/24/22 13:17	1.0	1	1:FE=190
055	met06_master	SAMPLE	464059-001	Water	291005	06/24/22 13:20	25.0	1	
056	met06_master	CCV				06/24/22 13:23	1.0	10 1	
057	met06_master	CCB				06/24/22 13:27	1.0	1	
058	met06_master	BLANK	QC996810	Water	291823	06/24/22 13:34	1.0	1	
059	met06_master	LCS	QC996811	Water	291823	06/24/22 13:37	1.0	1	
060	met06_master	MSS	464684-003	Water	291823	06/24/22 13:41	1.0	1	
061	met06_master	XMS	QC996812	Water	291823	06/24/22 13:44	1.0	1	
062	met06_master	MSD	QC996813	Water	291823	06/24/22 13:47	1.0	1	
063	met06_master	SAMPLE	464723-002	Water	291823	06/24/22 13:50	1.0	1	
064	met06_master	SAMPLE	464747-001	Water	291823	06/24/22 13:54	1.0	1	1:SULFUR=190
065	met06_master	SAMPLE	464763-001	Water	291823	06/24/22 13:57	1.0	1	1:SULFUR=210
066	met06_master	SAMPLE	464764-001	Water	291823	06/24/22 14:00	1.0	1	2:NA=2800
067	met06_master	SAMPLE	464764-002	Water	291823	06/24/22 14:03	1.0	1	2:NA=3700
068	met06_master	CCV				06/24/22 14:07	1.0	10 1	
069	met06_master	CCB				06/24/22 14:10	1.0	1	
070	met06_master	SAMPLE	464764-003	Water	291823	06/24/22 14:13	1.0	1	2:SULFUR=4700
071	met06_master	BLANK	QC996852	TCLP Leachate	291835	06/24/22 14:16	1.0	1	1:NA=1200
072	met06_master	LCS	QC996853	TCLP Leachate	291835	06/24/22 14:20	1.0	1	1:NA=1200
073	met06_master	MSS	464186-060	TCLP Leachate	291835	06/24/22 14:26	1.0	1	1:NA=1100
074	met06_master	MS	QC996854	TCLP Leachate	291835	06/24/22 14:29	1.0	1	1:NA=1200
075	met06_master	MSD	QC996855	TCLP Leachate	291835	06/24/22 14:33	1.0	1	1:NA=1300
076	met06_master	BS	QC996840	Air	291832	06/24/22 14:39	1.0	1	
077	met06_master	BSD	QC996841	Air	291832	06/24/22 14:42	1.0	1	
078	met06_master	CCV				06/24/22 14:46	1.0	10 1	
079	met06_master	CCB				06/24/22 14:49	1.0	1	
080	met06_master	SAMPLE	464737-001	Air	291832	06/24/22 14:52	1.0	1	
081	met06_master	SAMPLE	464737-003	Air	291832	06/24/22 14:56	1.0	1	
082	met06_master	SAMPLE	464737-005	Air	291832	06/24/22 14:59	1.0	1	
083	met06_master	BLANK	QC994465	Water	291005	06/24/22 15:02	1.0	1	
084	met06_master	LCS	QC994466	Water	291005	06/24/22 15:05	1.0	1	
085	met06_master	MSS	464073-001	Water	291005	06/24/22 15:09	1.0	1	
086	met06_master	MS	QC994467	Water	291005	06/24/22 15:12	1.0	1	
087	met06_master	CCV				06/24/22 15:18	1.0	10 1	
088	met06_master	CCB				06/24/22 15:22	1.0	1	
089	met06_master	BLANK	QC996916	WET Leachate	291860	06/24/22 15:50	1.0	1	
090	met06_master	BLANK	QC996919	WET Leachate	291860	06/24/22 15:53	1.0	1	
091	met06_master	BS	QC996917	WET Leachate	291860	06/24/22 15:57	1.0	1	
092	met06_master	BSD	QC996918	WET Leachate	291860	06/24/22 16:00	1.0	1	
093	met06_master	SAMPLE	462959-007	WET Leachate	291860	06/24/22 16:03	1.0	1	
094	met06_master	SAMPLE	462959-008	WET Leachate	291860	06/24/22 16:06	1.0	1	
095	met06_master	SAMPLE	462959-009	WET Leachate	291860	06/24/22 16:10	1.0	1	
096	met06_master	SAMPLE	462959-010	WET Leachate	291860	06/24/22 16:13	1.0	1	
097	met06_master	SAMPLE	462959-014	WET Leachate	291860	06/24/22 16:16	1.0	1	
098	met06_master	XMS	QC996812	Water	291823	06/24/22 16:20	1.0	1	
099	met06_master	CCV				06/24/22 16:25	1.0	10 1	
100	met06_master	CCB				06/24/22 16:28	1.0	1	
101	met06_master	BLANK	QC996852	TCLP Leachate	291835	06/24/22 16:31	1.0	1	1:NA=1200
102	met06_master	SAMPLE	464186-019	TCLP Leachate	291835	06/24/22 16:34	1.0	1	1:NA=1200
103	met06_master	LCS	QC996399	Water	291680	06/24/22 16:38	1.0	1	
104	met06_master	MSS	464619-001	Water	291680	06/24/22 16:41	1.0	1	1:SULFUR=360

Enthalpy Sequence Summary for Sequence 482252582

Instrument : MET06 Begun : 06/24/22 09:42
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
105	met06_master	MS	QC996400	Water	291680	06/24/22 16:44	1.0	1	1:SULFUR=370
106	met06_master	MSD	QC996401	Water	291680	06/24/22 16:47	1.0	1	1:SULFUR=380
107	met06_master	SAMPLE	464641-001	Water	291680	06/24/22 16:51	1.0	1	
108	met06_master	SAMPLE	464646-002	Sea Water	291680	06/24/22 16:54	1.0	1	4:NA=4100
109	met06_master	MS	QC996812	Water	291823	06/24/22 16:58	1.0	1	
110	met06_master	CCV				06/24/22 17:03	1.0	10 1	
111	met06_master	CCB				06/24/22 17:06	1.0	1	
112	met06_master	SAMPLE	462959-015	WET Leachate	291860	06/24/22 17:12	1.0	1	
113	met06_master	SAMPLE	462959-016	WET Leachate	291860	06/24/22 17:15	1.0	1	
114	met06_master	SAMPLE	462959-017	WET Leachate	291860	06/24/22 17:18	1.0	1	
115	met06_master	BLANK	QC996839	Air	291832	06/24/22 17:23	1.0	1	
116	met06_master	SAMPLE	462959-018	WET Leachate	291860	06/24/22 17:26	1.0	1	
117	met06_master	SAMPLE	462959-020	WET Leachate	291860	06/24/22 17:30	1.0	1	
118	met06_master	SAMPLE	463034-001	WET Leachate	291860	06/24/22 17:33	1.0	1	
119	met06_master	SAMPLE	463034-003	WET Leachate	291860	06/24/22 17:36	1.0	1	
120	met06_master	SAMPLE	463034-005	WET Leachate	291860	06/24/22 17:40	1.0	1	
121	met06_master	CCV				06/24/22 17:49	1.0	10 1	
122	met06_master	CCB				06/24/22 17:53	1.0	1	
123	met06_master	SAMPLE	463034-006	WET Leachate	291860	06/24/22 17:56	1.0	1	
124	met06_master	SAMPLE	463034-007	WET Leachate	291860	06/24/22 17:59	1.0	1	
125	met06_master	SAMPLE	463034-011	WET Leachate	291860	06/24/22 18:02	1.0	1	
126	met06_master	SAMPLE	463034-012	WET Leachate	291860	06/24/22 18:06	1.0	1	
127	met06_master	SAMPLE	464543-014	Soil	291607	06/24/22 18:09	1.0	1	1:FE=250
128	met06_master	CCV				06/24/22 18:12	1.0	10 1	
129	met06_master	CCB				06/24/22 18:15	1.0	1	
130	met06_master	BLANK	QC996976	WET Leachate	291877	06/24/22 18:32	1.0	1	
131	met06_master	BLANK	QC996977	WET Leachate	291877	06/24/22 18:35	1.0	1	
132	met06_master	BS	QC996978	WET Leachate	291877	06/24/22 18:38	1.0	1	
133	met06_master	BSD	QC996979	WET Leachate	291877	06/24/22 18:42	1.0	1	
134	met06_master	SAMPLE	464274-004	WET Leachate	291877	06/24/22 18:45	1.0	1	
135	met06_master	SAMPLE	464274-007	WET Leachate	291877	06/24/22 18:48	1.0	1	
136	met06_master	SAMPLE	464274-022	WET Leachate	291877	06/24/22 18:51	1.0	1	
137	met06_master	BLANK	QC996920	TCLP Leachate	291862	06/24/22 18:55	1.0	1	1:NA=1200
138	met06_master	LCS	QC996921	TCLP Leachate	291862	06/24/22 18:58	1.0	1	1:NA=1200
139	met06_master	MSS	464274-004	TCLP Leachate	291862	06/24/22 19:01	1.0	1	1:NA=1200
140	met06_master	CCV				06/24/22 19:04	1.0	10 1	
141	met06_master	CCB				06/24/22 19:08	1.0	1	
142	met06_master	MS	QC996922	TCLP Leachate	291862	06/24/22 19:12	1.0	1	1:NA=1200
143	met06_master	MSD	QC996923	TCLP Leachate	291862	06/24/22 19:15	1.0	1	1:NA=1200
144	met06_master	SAMPLE	464274-022	TCLP Leachate	291862	06/24/22 19:19	1.0	1	1:NA=1200
145	met06_master	MSS	464349-001	Drinking Water	291893	06/24/22 19:22	1.0	1	
146	met06_master	MS	QC997004	Drinking Water	291893	06/24/22 19:25	1.0	1	
147	met06_master	MSD	QC997005	Drinking Water	291893	06/24/22 19:28	1.0	1	
148	met06_master	SAMPLE	464349-002	Drinking Water	291893	06/24/22 19:32	1.0	1	
149	met06_master	SAMPLE	464349-003	Drinking Water	291893	06/24/22 19:35	1.0	1	
150	met06_master	SAMPLE	464349-004	Drinking Water	291893	06/24/22 19:38	1.0	1	
151	met06_master	SAMPLE	464349-005	Drinking Water	291893	06/24/22 19:41	1.0	1	
152	met06_master	CCV				06/24/22 19:45	1.0	10 1	
153	met06_master	CCB				06/24/22 19:48	1.0	1	
154	met06_master	SAMPLE	464349-006	Drinking Water	291893	06/24/22 19:51	1.0	1	
155	met06_master	SAMPLE	464349-007	Drinking Water	291893	06/24/22 19:54	1.0	1	
156	met06_master	SAMPLE	464349-008	Drinking Water	291893	06/24/22 19:58	1.0	1	

Enthalpy Sequence Summary for Sequence 482252582

Instrument : MET06 Begun : 06/24/22 09:42
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
157	met06_master	SAMPLE	464349-009	Drinking Water	291893	06/24/22 20:01	1.0	1	
158	met06_master	SAMPLE	464349-010	Drinking Water	291893	06/24/22 20:04	1.0	1	
159	met06_master	BLANK	QC996821	Water	291826	06/24/22 20:07	1.0	1	
160	met06_master	LCS	QC996822	Water	291826	06/24/22 20:11	1.0	1	
161	met06_master	SAMPLE	464654-001	Water	291826	06/24/22 20:14	1.0	1	
162	met06_master	SAMPLE	464781-001	Water	291826	06/24/22 20:17	1.0	1	
163	met06_master	MSS	464782-002	Water	291826	06/24/22 20:20	1.0	1	7:SULFUR=1600
164	met06_master	CCV				06/24/22 20:24	1.0	10 1	
165	met06_master	CCB				06/24/22 20:27	1.0	1	
166	met06_master	MS	QC996823	Water	291826	06/24/22 20:30	1.0	1	7:SULFUR=1600
167	met06_master	MSD	QC996824	Water	291826	06/24/22 20:33	1.0	1	7:SULFUR=1700
168	met06_master	BLANK	QC996814	Water	291825	06/24/22 20:37	1.0	1	
169	met06_master	LCS	QC996815	Water	291825	06/24/22 20:40	1.0	1	
170	met06_master	MSS	464765-002	Water	291825	06/24/22 20:43	1.0	1	3:NA=3700
171	met06_master	MS	QC996819	Water	291825	06/24/22 20:46	1.0	1	3:NA=3700
172	met06_master	MSD	QC996820	Water	291825	06/24/22 20:50	1.0	1	3:NA=3600
173	met06_master	BLANK	QC996825	Water	291827	06/24/22 20:53	1.0	1	
174	met06_master	LCS	QC996826	Water	291827	06/24/22 20:56	1.0	1	
175	met06_master	MSS	464778-001	Water	291827	06/24/22 21:00	1.0	1	
176	met06_master	CCV				06/24/22 21:03	1.0	10 1	
177	met06_master	CCB				06/24/22 21:06	1.0	1	
178	met06_master	MS	QC996827	Water	291827	06/24/22 21:09	1.0	1	
179	met06_master	MSD	QC996828	Water	291827	06/24/22 21:13	1.0	1	
180	met06_master	SAMPLE	464782-001	Water	291827	06/24/22 21:16	1.0	1	1:SULFUR=570
181	met06_master	SAMPLE	464782-003	Water	291827	06/24/22 21:19	1.0	1	3:NA=2700
182	met06_master	BLANK	QC996911	Soil	291859	06/24/22 21:22	1.0	1	
183	met06_master	LCS	QC996912	Soil	291859	06/24/22 21:26	1.0	1	
184	met06_master	MSS	464254-001	Soil	291859	06/24/22 21:29	1.0	1	2:FEASFE2O3=130
185	met06_master	MS	QC996913	Soil	291859	06/24/22 21:32	1.0	1	2:ALASAL2O3=130
186	met06_master	MSD	QC996914	Soil	291859	06/24/22 21:35	1.0	1	2:ALASAL2O3=120
187	met06_master	PDS	QC996915	Soil	291859	06/24/22 21:39	1.0	1	
188	met06_master	CCV				06/24/22 21:42	1.0	10 1	
189	met06_master	CCB				06/24/22 21:45	1.0	1	
190	met06_master	SAMPLE	464254-002	Soil	291859	06/24/22 21:48	1.0	1	
191	met06_master	SAMPLE	464254-003	Soil	291859	06/24/22 21:52	1.0	1	
192	met06_master	SAMPLE	464254-004	Soil	291859	06/24/22 21:55	1.0	1	1:FE=230
193	met06_master	SAMPLE	464254-005	Soil	291859	06/24/22 21:58	1.0	1	1:FE=340
194	met06_master	BLANK	QC996928	Wipe	291864	06/24/22 22:01	1.0	1	
195	met06_master	BS	QC996929	Wipe	291864	06/24/22 22:05	1.0	1	
196	met06_master	BSD	QC996930	Wipe	291864	06/24/22 22:08	1.0	1	
197	met06_master	SAMPLE	464779-001	Wipe	291864	06/24/22 22:11	1.0	1	
198	met06_master	SAMPLE	464779-004	Wipe	291864	06/24/22 22:14	1.0	1	
199	met06_master	SAMPLE	464779-005	Wipe	291864	06/24/22 22:18	1.0	1	
200	met06_master	CCV				06/24/22 22:21	1.0	10 1	
201	met06_master	CCB				06/24/22 22:24	1.0	1	
202	met06_master	SAMPLE	464785-001	Wipe	291864	06/24/22 22:27	1.0	1	
203	met06_master	SAMPLE	464785-003	Wipe	291864	06/24/22 22:31	1.0	1	
204	met06_master	SAMPLE	464785-005	Wipe	291864	06/24/22 22:34	1.0	1	
205	met06_master	BLANK	QC996194	Soil	291606	06/24/22 22:37	1.0	1	
206	met06_master	LCS	QC996195	Soil	291606	06/24/22 22:40	1.0	1	
207	met06_master	MSS	463774-003	Soil	291606	06/24/22 22:44	1.0	1	3:FEASFE2O3=370
208	met06_master	MS	QC996196	Soil	291606	06/24/22 22:47	1.0	1	3:ALASAL2O3=400

Enthalpy Sequence Summary for Sequence 482252582

Instrument : MET06 Begun : 06/24/22 09:42
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
209	met06_master	MSD	QC996197	Soil	291606	06/24/22 22:50	1.0	1	3:FEASFE2O3=440
210	met06_master	PDS	QC996198	Soil	291606	06/24/22 22:53	1.0	1	1:FE=260
211	met06_master	SAMPLE	463774-004	Soil	291606	06/24/22 22:56	1.0	1	1:FE=170
212	met06_master	CCV				06/24/22 23:00	1.0	10 1	
213	met06_master	CCB				06/24/22 23:03	1.0	1	
214	met06_master	SAMPLE	463774-005	Soil	291606	06/24/22 23:06	1.0	1	1:FE=230
215	met06_master	SAMPLE	463774-006	Soil	291606	06/24/22 23:09	1.0	1	
216	met06_master	SAMPLE	463774-012	Soil	291606	06/24/22 23:13	1.0	1	1:FE=210
217	met06_master	SAMPLE	463774-013	Soil	291606	06/24/22 23:16	1.0	1	
218	met06_master	SAMPLE	463774-015	Soil	291606	06/24/22 23:19	1.0	1	
219	met06_master	SAMPLE	463774-021	Soil	291606	06/24/22 23:22	1.0	1	1:FE=180
220	met06_master	SAMPLE	463774-022	Soil	291606	06/24/22 23:26	1.0	1	
221	met06_master	SAMPLE	463774-024	Soil	291606	06/24/22 23:29	1.0	1	
222	met06_master	SAMPLE	463774-027	Soil	291606	06/24/22 23:32	1.0	1	
223	met06_master	SAMPLE	463774-029	Soil	291606	06/24/22 23:35	1.0	1	1:FE=270
224	met06_master	CCV				06/24/22 23:39	1.0	10 1	
225	met06_master	CCB				06/24/22 23:42	1.0	1	
226	met06_master	SAMPLE	464335-001	WET Leachate	291852	06/24/22 23:51	1.0	1	
227	met06_master	BLANK	QC996636	Soil	291766	06/24/22 23:54	1.0	1	
228	met06_master	LCS	QC996637	Soil	291766	06/24/22 23:57	1.0	1	
229	met06_master	SAMPLE	464266-001	Miscell.	291766	06/25/22 00:01	1.0	1	2:FE=220
230	met06_master	SAMPLE	464277-001	Miscell.	291766	06/25/22 00:04	1.0	1	2:FE=220
231	met06_master	SAMPLE	464324-001	Soil	291766	06/25/22 00:07	1.0	1	2:MG=1400
232	met06_master	SAMPLE	464362-002	Miscell.	291766	06/25/22 00:10	1.0	1	1:CA=2100
233	met06_master	SAMPLE	464362-003	Miscell.	291766	06/25/22 00:14	1.0	1	1:V=21
234	met06_master	SAMPLE	464403-001	Soil	291766	06/25/22 00:17	1.0	1	1:FE=210
235	met06_master	SAMPLE	464403-002	Soil	291766	06/25/22 00:20	1.0	1	1:FE=200
236	met06_master	CCV				06/25/22 00:23	1.0	10 1	
237	met06_master	CCB				06/25/22 00:27	1.0	1	
238	met06_master	SAMPLE	464403-003	Soil	291766	06/25/22 00:31	1.0	1	1:FE=210
239	met06_master	SAMPLE	464403-004	Soil	291766	06/25/22 00:34	1.0	1	1:FE=180
240	met06_master	MSS	464413-001	Soil	291766	06/25/22 00:37	1.0	1	3:FEASFE2O3=260
241	met06_master	MS	QC996638	Soil	291766	06/25/22 00:41	1.0	1	3:FEASFE2O3=280
242	met06_master	MSD	QC996639	Soil	291766	06/25/22 00:44	1.0	1	3:FEASFE2O3=270
243	met06_master	PDS	QC996640	Soil	291766	06/25/22 00:47	1.0	1	1:FE=180
244	met06_master	SAMPLE	464413-002	Soil	291766	06/25/22 00:50	1.0	1	1:P=170
245	met06_master	SAMPLE	464413-004	Soil	291766	06/25/22 00:54	1.0	1	1:FE=200
246	met06_master	SAMPLE	464413-005	Soil	291766	06/25/22 00:57	1.0	1	
247	met06_master	SAMPLE	464413-006	Soil	291766	06/25/22 01:00	1.0	1	1:FE=220
248	met06_master	CCV				06/25/22 01:03	1.0	10 1	
249	met06_master	CCB				06/25/22 01:07	1.0	1	
250	met06_master	SAMPLE	464421-001	Soil	291766	06/25/22 01:10	1.0	1	2:FE=250
251	met06_master	SAMPLE	464421-003	Soil	291766	06/25/22 01:13	1.0	1	
252	met06_master	SAMPLE	464421-005	Soil	291766	06/25/22 01:16	1.0	1	
253	met06_master	SAMPLE	464421-006	Soil	291766	06/25/22 01:20	1.0	1	1:FE=230
254	met06_master	SAMPLE	464421-011	Soil	291766	06/25/22 01:23	1.0	1	1:FE=360
255	met06_master	SAMPLE	464421-013	Soil	291766	06/25/22 01:26	1.0	1	1:FE=160
256	met06_master	BLANK	QC996641	Soil	291767	06/25/22 01:30	1.0	1	
257	met06_master	LCS	QC996642	Soil	291767	06/25/22 01:33	1.0	1	
258	met06_master	MSS	464506-001	Soil	291767	06/25/22 01:36	1.0	1	4:FEASFE2O3=320
259	met06_master	MS	QC996643	Soil	291767	06/25/22 01:39	1.0	1	4:FEASFE2O3=300
260	met06_master	CCV				06/25/22 01:43	1.0	10 1	

Enthalpy Sequence Summary for Sequence 482252582

Instrument : MET06 Begun : 06/24/22 09:42
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
261	met06_master	CCB				06/25/22 01:46	1.0	1	
262	met06_master	MSD	QC996644	Soil	291767	06/25/22 01:49	1.0	1	4:FEASFE2O3=360
263	met06_master	PDS	QC996645	Soil	291767	06/25/22 01:52	1.0	1	2:FE=220
264	met06_master	SAMPLE	464508-001	Soil	291767	06/25/22 01:56	1.0	1	2:FE=160
265	met06_master	SAMPLE	464508-003	Soil	291767	06/25/22 01:59	1.0	1	2:FE=170
266	met06_master	SAMPLE	464509-001	Soil	291767	06/25/22 02:02	1.0	1	2:FE=170
267	met06_master	SAMPLE	464509-003	Soil	291767	06/25/22 02:05	1.0	1	3:FE=250
268	met06_master	SAMPLE	464528-001	Soil	291767	06/25/22 02:09	1.0	1	1:FE=230
269	met06_master	SAMPLE	464581-003	Soil	291767	06/25/22 02:12	1.0	1	1:FE=190
270	met06_master	SAMPLE	464606-001	Miscell.	291767	06/25/22 02:15	1.0	1	
271	met06_master	SAMPLE	464617-001	Soil	291767	06/25/22 02:18	1.0	1	2:FE=240
272	met06_master	CCV				06/25/22 02:22	1.0	10 1	
273	met06_master	CCB				06/25/22 02:25	1.0	1	
274	met06_master	SAMPLE	464665-001	Soil	291767	06/25/22 02:28	1.0	1	1:FE=230
275	met06_master	SAMPLE	464665-002	Soil	291767	06/25/22 02:31	1.0	1	1:FE=200
276	met06_master	SAMPLE	464665-003	Soil	291767	06/25/22 02:35	1.0	1	2:FE=200
277	met06_master	SAMPLE	464665-004	Soil	291767	06/25/22 02:38	1.0	1	1:FE=160
278	met06_master	SAMPLE	464665-005	Soil	291767	06/25/22 02:41	1.0	1	1:FE=200
279	met06_master	SAMPLE	464665-006	Soil	291767	06/25/22 02:44	1.0	1	1:FE=180
280	met06_master	SAMPLE	464665-007	Soil	291767	06/25/22 02:48	1.0	1	1:FE=180
281	met06_master	SAMPLE	464665-008	Soil	291767	06/25/22 02:51	1.0	1	1:FE=170
282	met06_master	SAMPLE	464665-009	Soil	291767	06/25/22 02:54	1.0	1	1:FE=190
283	met06_master	SAMPLE	464665-010	Soil	291767	06/25/22 02:57	1.0	1	1:FE=220
284	met06_master	CCV				06/25/22 03:01	1.0	10 1	
285	met06_master	CCB				06/25/22 03:04	1.0	1	
286	met06_master	SAMPLE	464665-011	Soil	291767	06/25/22 03:07	1.0	1	2:FE=200
287	met06_master	BLANK	QC996646	Soil	291768	06/25/22 03:10	1.0	1	
288	met06_master	LCS	QC996647	Soil	291768	06/25/22 03:14	1.0	1	
289	met06_master	MSS	464665-012	Soil	291768	06/25/22 03:17	1.0	1	3:FEASFE2O3=280
290	met06_master	MS	QC996648	Soil	291768	06/25/22 03:20	1.0	1	3:ALASAL2O3=290
291	met06_master	MSD	QC996649	Soil	291768	06/25/22 03:23	1.0	1	3:ALASAL2O3=310
292	met06_master	PDS	QC996650	Soil	291768	06/25/22 03:27	1.0	1	1:FE=200
293	met06_master	SAMPLE	464665-013	Soil	291768	06/25/22 03:30	1.0	1	1:FE=220
294	met06_master	SAMPLE	464665-014	Soil	291768	06/25/22 03:33	1.0	1	1:FE=190
295	met06_master	SAMPLE	464665-015	Soil	291768	06/25/22 03:37	1.0	1	1:FE=160
296	met06_master	CCV				06/25/22 03:40	1.0	10 1	
297	met06_master	CCB				06/25/22 03:43	1.0	1	
298	met06_master	SAMPLE	464665-016	Soil	291768	06/25/22 03:46	1.0	1	1:FE=210
299	met06_master	SAMPLE	464665-017	Soil	291768	06/25/22 03:49	1.0	1	2:FE=190
300	met06_master	SAMPLE	464665-018	Soil	291768	06/25/22 03:53	1.0	1	1:FE=180
301	met06_master	SAMPLE	464665-019	Soil	291768	06/25/22 03:56	1.0	1	1:FE=210
302	met06_master	SAMPLE	464665-020	Soil	291768	06/25/22 03:59	1.0	1	1:FE=170
303	met06_master	SAMPLE	464665-021	Soil	291768	06/25/22 04:02	1.0	1	1:FE=200
304	met06_master	SAMPLE	464665-022	Soil	291768	06/25/22 04:06	1.0	1	1:FE=190
305	met06_master	SAMPLE	464665-023	Soil	291768	06/25/22 04:09	1.0	1	1:FE=170
306	met06_master	SAMPLE	464665-024	Soil	291768	06/25/22 04:12	1.0	1	1:FE=210
307	met06_master	SAMPLE	464670-004	Soil	291768	06/25/22 04:15	1.0	1	2:FE=190
308	met06_master	CCV				06/25/22 04:19	1.0	10 1	
309	met06_master	CCB				06/25/22 04:22	1.0	1	
310	met06_master	SAMPLE	464674-004	Soil	291768	06/25/22 04:25	1.0	1	1:TI=11
311	met06_master	SAMPLE	464674-009	Soil	291768	06/25/22 04:28	1.0	1	2:FE=160
312	met06_master	SAMPLE	464674-014	Soil	291768	06/25/22 04:32	1.0	1	1:TI=12

Enthalpy Sequence Summary for Sequence 482252582

Instrument : MET06 Begun : 06/24/22 09:42
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
313	met06_master	SAMPLE	464674-019	Soil	291768	06/25/22 04:35	1.0	1	
314	met06_master	SAMPLE	464674-024	Soil	291768	06/25/22 04:38	1.0	1	
315	met06_master	SAMPLE	464674-029	Soil	291768	06/25/22 04:41	1.0	1	1:TI=11
316	met06_master	BLANK	QC996651	Soil	291769	06/25/22 04:45	1.0	1	
317	met06_master	LCS	QC996652	Soil	291769	06/25/22 04:48	1.0	1	
318	met06_master	MSS	464735-001	Soil	291769	06/25/22 04:51	1.0	1	3:FEASFE2O3=270
319	met06_master	MS	QC996653	Soil	291769	06/25/22 04:54	1.0	1	3:ALASAL2O3=300
320	met06_master	CCV				06/25/22 04:58	1.0	10 1	
321	met06_master	CCB				06/25/22 05:01	1.0	1	
322	met06_master	SAMPLE	463774-036	Soil	291606	06/25/22 05:04	1.0	1	1:FE=180
323	met06_master	SAMPLE	463774-037	Soil	291606	06/25/22 05:07	1.0	1	1:FE=190
324	met06_master	SAMPLE	463774-039	Soil	291606	06/25/22 05:11	1.0	1	
325	met06_master	SAMPLE	463774-042	Soil	291606	06/25/22 05:14	1.0	1	1:FE=200
326	met06_master	SAMPLE	463774-043	Soil	291606	06/25/22 05:17	1.0	1	
327	met06_master	SAMPLE	463774-048	Soil	291606	06/25/22 05:20	1.0	1	1:FE=170
328	met06_master	SAMPLE	463774-049	Soil	291606	06/25/22 05:24	1.0	1	1:FE=200
329	met06_master	SAMPLE	463774-052	Soil	291606	06/25/22 05:27	1.0	1	
330	met06_master	BLANK	QC996204	Soil	291608	06/25/22 05:30	1.0	1	
331	met06_master	LCS	QC996205	Soil	291608	06/25/22 05:33	1.0	1	
332	met06_master	CCV				06/25/22 05:37	1.0	10 1	
333	met06_master	CCB				06/25/22 05:40	1.0	1	
334	met06_master	SAMPLE	464292-001	Soil	291608	06/25/22 05:43	1.0	1	
335	met06_master	SAMPLE	464427-002	Soil	291608	06/25/22 05:46	1.0	1	2:FE=240
336	met06_master	MSS	464581-006	Soil	291608	06/25/22 05:50	1.0	1	3:ALASAL2O3=260
337	met06_master	MS	QC996206	Soil	291608	06/25/22 05:53	1.0	1	4:ALASAL2O3=300
338	met06_master	MSD	QC996207	Soil	291608	06/25/22 05:56	1.0	1	4:ALASAL2O3=310
339	met06_master	PDS	QC996208	Soil	291608	06/25/22 05:59	1.0	1	1:FE=170
340	met06_master	SAMPLE	464581-008	Soil	291608	06/25/22 06:03	1.0	1	1:FE=220
341	met06_master	BLANK	QC996947	Miscell.	291867	06/25/22 06:06	1.0	1	
342	met06_master	BS	QC996949	Miscell.	291867	06/25/22 06:09	1.0	1	
343	met06_master	BSD	QC996950	Miscell.	291867	06/25/22 06:12	1.0	1	
344	met06_master	CCV				06/25/22 06:16	1.0	10 1	
345	met06_master	CCB				06/25/22 06:19	1.0	1	
346	met06_master	SAMPLE	464162-001	Miscell.	291867	06/25/22 06:22	1.0	1	1:P=68
347	met06_master	SAMPLE	464162-002	Miscell.	291867	06/25/22 06:25	1.0	1	1:P=77
348	met06_master	SAMPLE	464765-001	Miscell.	291867	06/25/22 06:29	1.0	1	
349	met06_master	BLANK	QC996666	Soil	291772	06/25/22 06:32	1.0	1	
350	met06_master	LCS	QC996667	Soil	291772	06/25/22 06:35	1.0	1	
351	met06_master	SAMPLE	464436-005	Soil	291772	06/25/22 06:38	1.0	1	3:CA=1100
352	met06_master	SAMPLE	464438-005	Soil	291772	06/25/22 06:42	1.0	1	
353	met06_master	MSS	464735-061	Soil	291772	06/25/22 06:45	1.0	1	3:FEASFE2O3=240
354	met06_master	MS	QC996668	Soil	291772	06/25/22 06:48	1.0	1	3:FEASFE2O3=280
355	met06_master	MSD	QC996669	Soil	291772	06/25/22 06:51	1.0	1	3:ALASAL2O3=300
356	met06_master	CCV				06/25/22 06:55	1.0	10 1	
357	met06_master	CCB				06/25/22 06:58	1.0	1	
358	met06_master	PDS	QC996670	Soil	291772	06/25/22 07:01	1.0	1	1:FE=160
359	met06_master	SAMPLE	464735-062	Soil	291772	06/25/22 07:04	1.0	1	1:FE=210
360	met06_master	SAMPLE	464735-063	Soil	291772	06/25/22 07:08	1.0	1	1:FE=200
361	met06_master	SAMPLE	464735-064	Soil	291772	06/25/22 07:11	1.0	1	1:FE=210
362	met06_master	SAMPLE	464735-065	Soil	291772	06/25/22 07:14	1.0	1	1:FE=210
363	met06_master	SAMPLE	464735-066	Soil	291772	06/25/22 07:17	1.0	1	1:FE=230
364	met06_master	SAMPLE	464735-067	Soil	291772	06/25/22 07:21	1.0	1	1:FE=190

Enthalpy Sequence Summary for Sequence 482252582

Instrument : MET06 Begun : 06/24/22 09:42
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
365	met06_master	BLANK	QC996656	Soil	291770	06/25/22 07:24	1.0	1	
366	met06_master	LCS	QC996657	Soil	291770	06/25/22 07:27	1.0	1	
367	met06_master	MSS	464735-021	Soil	291770	06/25/22 07:30	1.0	1	3:FEASFE2O3=300
368	met06_master	CCV				06/25/22 07:34	1.0	10 1	
369	met06_master	CCB				06/25/22 07:37	1.0	1	
370	met06_master	MS	QC996658	Soil	291770	06/25/22 07:40	1.0	1	3:ALASAL2O3=370
371	met06_master	MSD	QC996659	Soil	291770	06/25/22 07:43	1.0	1	3:ALASAL2O3=400
372	met06_master	PDS	QC996660	Soil	291770	06/25/22 07:47	1.0	1	1:FE=210
373	met06_master	SAMPLE	464735-022	Soil	291770	06/25/22 07:50	1.0	1	2:FE=230
374	met06_master	SAMPLE	464735-023	Soil	291770	06/25/22 07:53	1.0	1	1:FE=200
375	met06_master	SAMPLE	464735-024	Soil	291770	06/25/22 07:56	1.0	1	1:FE=190
376	met06_master	SAMPLE	464735-025	Soil	291770	06/25/22 08:00	1.0	1	1:FE=230
377	met06_master	SAMPLE	464735-026	Soil	291770	06/25/22 08:03	1.0	1	1:FE=210
378	met06_master	SAMPLE	464735-027	Soil	291770	06/25/22 08:06	1.0	1	1:FE=230
379	met06_master	SAMPLE	464735-028	Soil	291770	06/25/22 08:09	1.0	1	1:FE=200
380	met06_master	CCV				06/25/22 08:13	1.0	10 1	
381	met06_master	CCB				06/25/22 08:16	1.0	1	
382	met06_master	SAMPLE	464735-029	Soil	291770	06/25/22 08:19	1.0	1	1:FE=240
383	met06_master	SAMPLE	464735-030	Soil	291770	06/25/22 08:22	1.0	1	2:FE=190
384	met06_master	SAMPLE	464735-031	Soil	291770	06/25/22 08:26	1.0	1	1:FE=200
385	met06_master	SAMPLE	464735-032	Soil	291770	06/25/22 08:29	1.0	1	1:FE=250
386	met06_master	SAMPLE	464735-033	Soil	291770	06/25/22 08:32	1.0	1	1:FE=220
387	met06_master	SAMPLE	464735-034	Soil	291770	06/25/22 08:35	1.0	1	1:FE=240
388	met06_master	SAMPLE	464735-035	Soil	291770	06/25/22 08:39	1.0	1	1:FE=210
389	met06_master	SAMPLE	464735-036	Soil	291770	06/25/22 08:42	1.0	1	1:FE=190
390	met06_master	SAMPLE	464735-037	Soil	291770	06/25/22 08:45	1.0	1	1:FE=250
391	met06_master	SAMPLE	464735-038	Soil	291770	06/25/22 08:48	1.0	1	1:FE=230
392	met06_master	CCV				06/25/22 08:52	1.0	10 1	
393	met06_master	CCB				06/25/22 08:55	1.0	1	
394	met06_master	SAMPLE	464735-039	Soil	291770	06/25/22 08:58	1.0	1	1:FE=210
395	met06_master	SAMPLE	464735-040	Soil	291770	06/25/22 09:01	1.0	1	1:FE=210
396	met06_master	BLANK	QC996661	Soil	291771	06/25/22 09:05	1.0	1	
397	met06_master	LCS	QC996662	Soil	291771	06/25/22 09:08	1.0	1	
398	met06_master	MSS	464735-041	Soil	291771	06/25/22 09:11	1.0	1	3:ALASAL2O3=330
399	met06_master	MS	QC996663	Soil	291771	06/25/22 09:15	1.0	1	3:ALASAL2O3=300
400	met06_master	MSD	QC996664	Soil	291771	06/25/22 09:18	1.0	1	3:ALASAL2O3=380
401	met06_master	PDS	QC996665	Soil	291771	06/25/22 09:21	1.0	1	1:FE=220
402	met06_master	SAMPLE	464735-042	Soil	291771	06/25/22 09:24	1.0	1	1:FE=190
403	met06_master	SAMPLE	464735-043	Soil	291771	06/25/22 09:28	1.0	1	1:FE=210
404	met06_master	CCV				06/25/22 09:31	1.0	10 1	
405	met06_master	CCB				06/25/22 09:34	1.0	1	
406	met06_master	SAMPLE	464735-044	Soil	291771	06/25/22 09:37	1.0	1	1:FE=180
407	met06_master	SAMPLE	464735-045	Soil	291771	06/25/22 09:41	1.0	1	1:FE=190
408	met06_master	SAMPLE	464735-046	Soil	291771	06/25/22 09:44	1.0	1	1:FE=280
409	met06_master	SAMPLE	464735-047	Soil	291771	06/25/22 09:47	1.0	1	1:FE=210
410	met06_master	SAMPLE	464735-048	Soil	291771	06/25/22 09:50	1.0	1	1:FE=230
411	met06_master	SAMPLE	464735-049	Soil	291771	06/25/22 09:54	1.0	1	1:FE=190
412	met06_master	SAMPLE	464735-050	Soil	291771	06/25/22 09:57	1.0	1	1:FE=210
413	met06_master	SAMPLE	464735-051	Soil	291771	06/25/22 10:00	1.0	1	1:FE=210
414	met06_master	SAMPLE	464735-052	Soil	291771	06/25/22 10:03	1.0	1	1:FE=210
415	met06_master	SAMPLE	464735-053	Soil	291771	06/25/22 10:07	1.0	1	1:FE=210
416	met06_master	CCV				06/25/22 10:10	1.0	10 1	

Enthalpy Sequence Summary for Sequence 482252582

Instrument : MET06 Begun : 06/24/22 09:42
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
417	met06_master	CCB				06/25/22 10:13	1.0	1	
418	met06_master	SAMPLE	464735-054	Soil	291771	06/25/22 10:16	1.0	1	1:FE=220
419	met06_master	SAMPLE	464735-055	Soil	291771	06/25/22 10:20	1.0	1	1:FE=200
420	met06_master	SAMPLE	464735-056	Soil	291771	06/25/22 10:23	1.0	1	1:FE=210
421	met06_master	SAMPLE	464735-057	Soil	291771	06/25/22 10:26	1.0	1	1:FE=190
422	met06_master	SAMPLE	464735-058	Soil	291771	06/25/22 10:29	1.0	1	1:FE=190
423	met06_master	SAMPLE	464735-059	Soil	291771	06/25/22 10:33	1.0	1	2:FE=310
424	met06_master	SAMPLE	464735-060	Soil	291771	06/25/22 10:36	1.0	1	1:FE=210
425	met06_master	BLANK	QC996888	WET Leachate	291852	06/25/22 10:39	1.0	1	
426	met06_master	BLANK	QC996889	WET Leachate	291852	06/25/22 10:42	1.0	1	
427	met06_master	BLANK	QC996890	WET Leachate	291852	06/25/22 10:46	1.0	1	
428	met06_master	CCV				06/25/22 10:49	1.0	10 1	
429	met06_master	CCB				06/25/22 10:52	1.0	1	
430	met06_master	BS	QC996891	WET Leachate	291852	06/25/22 10:56	1.0	1	
431	met06_master	BSD	QC996892	WET Leachate	291852	06/25/22 10:59	1.0	1	
432	met06_master	SAMPLE	464274-011	WET Leachate	291852	06/25/22 11:02	1.0	1	
433	met06_master	SAMPLE	464274-012	WET Leachate	291852	06/25/22 11:05	1.0	1	
434	met06_master	SAMPLE	464274-013	WET Leachate	291852	06/25/22 11:09	1.0	1	
435	met06_master	SAMPLE	464274-015	WET Leachate	291852	06/25/22 11:12	1.0	1	
436	met06_master	SAMPLE	464274-018	WET Leachate	291852	06/25/22 11:15	1.0	1	
437	met06_master	CCV				06/25/22 11:18	1.0	10 1	
438	met06_master	CCB				06/25/22 11:22	1.0	1	

SBW 06/27/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 438.

Standards used: 1=S13369 2=S16950 3=S16949 4=S16948 5=S16947 6=S16645 7=S16518 8=S16675 9=S16519 10=S16870 11=S16646 12=S16520 13=S16601

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 464779-001	Client ID	: ARCH-C1W-PS-5.5-220623-L-G
Seqnum	: 482252582197	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 291864	Time	: 24-JUN-2022 22:11
Cal	: 482252582001	Caldate	: 24-JUN-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.155	120	1.0	0.035	!<a- u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1559261	1550264	-0.58

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 464779-001,291864			Sample Type: Unknown Sample
Measure Date: 2022-06-24 22:11:34	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	47512.55600	5038.15850	4571.45090	9693.80950	11262.27200	59504.82100	8013.91080
Int RSD	*0.44073493*	*0.43504594*	*0.75881003*	*0.39687755*	*0.54719328*	*0.18055406*	*0.45256371*
Int SD	*209.40443000*	*21.91830400*	*34.68862800*	*38.47255400*	*61.62639600*	*107.43837000*	*36.26805200*
RelInt Mean	0.00004040	0.00811193	-0.00007026	0.00204961	0.00270234	0.18159017	0.00084366
RelInt RSD	*13.52836626*	*1.50830345*	*21.10800457*	*1.01142531*	*1.69468936*	*0.68608334*	*4.20803561*
RelInt SD	*0.00000547*	*0.00012235*	*0.00001483*	*0.00002073*	*0.00004580*	*0.00124586*	*0.00003550*
Conc Mean	<0.00046775[mg/l]	0.76292523[mg/l]	<-0.00204561[mg/l]	0.02956712[mg/l]	0.00836881[mg/l]	11.85613600[mg/l]	0.00491530[mg/l]
Conc RSD	*53.53544650*	*1.59121347*	*43.49200907*	*1.07574049*	*1.74442677*	*0.69657064*	*4.46853598*
Conc SD	*0.00025041[mg/l]*	*0.01213977[mg/l]*	*0.00088968[mg/l]*	*0.00031807[mg/l]*	*0.00014599[mg/l]*	*0.08258636[mg/l]*	*0.00021964[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	8334.84210	212848	9909813	2440.08780	5331.96500	352383	5023.33500
Int RSD	*0.61661554*	*0.76093991*	*0.50667322*	*8.13514251*	*1.44523383*	*0.29717919*	*1.53896246*
Int SD	*51.39393200*	*1619.64750*	*50210.36800*	*198.50462000*	*77.05936200*	*1047.20760*	*77.30724000*
RelInt Mean	0.00138704	0.00527267	6.42204260	0.00590666	0.00756789	0.22351913	0.00015924
RelInt RSD	*1.62380381*	*0.50677010*	*0.20183018*	*7.81940453*	*0.73912999*	*0.43773947*	*22.21460012*
RelInt SD	*0.00002252*	*0.00002672*	*0.01296162*	*0.00046187*	*0.00005594*	*0.00097843*	*0.00003537*
Conc Mean	0.01034217[mg/l]	0.17870747[mg/l]	25.52583300[mg/l]	4.82636500[mg/l]	2.32637380[mg/l]	0.17366272[mg/l]	0.00119390[mg/l]
Conc RSD	*1.71634682*	*0.52231629*	*0.20184305*	*8.01162386*	*0.74366076*	*0.43793400*	*22.83784924*
Conc SD	*0.00017751[mg/l]*	*0.00093342[mg/l]*	*0.05152212[mg/l]*	*0.38667021[mg/l]*	*0.01730033[mg/l]*	*0.00076053[mg/l]*	*0.00027266[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	59071.98000	10821.05100	64056.06100	5699.87170	4338.39870	5781.62140	7109.68840
Int RSD	*0.15261821*	*0.28048459*	*0.19540764*	*1.29978605*	*0.73453399*	*0.29492706*	*1.28088982*
Int SD	*90.15459900*	*30.35138100*	*125.17044000*	*74.08613700*	*31.86701300*	*17.05156600*	*91.06727500*
RelInt Mean	0.15010993	0.00239772	0.03697859	0.00035443	-0.00001024	0.00024945	0.01555658
RelInt RSD	*0.52273253*	*0.88426700*	*0.10660284*	*11.13605298*	*84.38996460*	*7.11979852*	*2.54527168*
RelInt SD	*0.00078467*	*0.00002120*	*0.00003942*	*0.00003947*	*0.00000864*	*0.00001776*	*0.00039596*
Conc Mean	7.04828370[mg/l]	0.02021276[mg/l]	1.15505060[mg/l]	0.02036902[mg/l]	<-0.00110628[mg/l]	0.00470381[mg/l]	0.01485453[mg/l]
Conc RSD	*0.53770275*	*0.94670307*	*0.10648008*	*10.18070484*	*54.62796181*	*7.20872370*	*2.51360332*
Conc SD	*0.03789882[mg/l]*	*0.00019135[mg/l]*	*0.00122990[mg/l]*	*0.00207371[mg/l]*	*0.00060434[mg/l]*	*0.00033908[mg/l]*	*0.00037338[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	211366	4999.59570	12389.40200	1550264	32480780	327544	447177
Int RSD	*7.33057616*	*0.45023533*	*0.32365510*	*0.31311906*	*0.37342007*	*0.38377508*	*0.14061670*
Int SD	*15494.37200*	*22.50994600*	*40.09893100*	*4854.17200*	*121290*	*1257.03350*	*628.80533000*
RelInt Mean	0.00497642	0.00016992	0.00005268	---	---	---	0.28687368
RelInt RSD	*10.01897829*	*7.57963093*	*4.65715576*	---	---	---	*0.35440682*
RelInt SD	*0.00049859*	*0.00001288*	*0.00000245*	---	---	---	*0.00101670*
Conc Mean	0.04855719[mg/l]	0.02402917[mg/l]	0.00457808[mg/l]	1541795	32409401	325253	1.05891890[mg/l]
Conc RSD	*10.02756811*	*6.45927373*	*10.11973537*	---	---	---	*0.35462398*
Conc SD	*0.00486911[mg/l]*	*0.00155211[mg/l]*	*0.00046329[mg/l]*	*4869.80050*	*121031*	*1294.59200*	*0.00375518[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	318.74104000	8193.03450	123790	14918.47400	6940.06810	69836.72900	
Int RSD	*26.77181012*	*0.75764187*	*0.72956571*	*0.42304538*	*0.53711610*	*0.37537504*	
Int SD	*85.33274600*	*62.07386000*	*903.12750000*	*63.11191500*	*37.27622300*	*262.14965000*	
RelInt Mean	-0.00022877	0.00085689	0.07583618	0.00645472	0.00008402	0.04195463	
RelInt RSD	*94.02926858*	*54.74479708*	*0.93412298*	*0.70396448*	*30.21758225*	*0.11511036*	
RelInt SD	*0.00021511*	*0.00046910*	*0.00070840*	*0.00004544*	*0.00002539*	*0.00004829*	
Conc Mean	<0.00062584[mg/l]	<0.00379827[mg/l]	1.38892260[mg/l]	0.22384747[mg/l]	<0.00018360[mg/l]	3.54295560[mg/l]	
Conc RSD	*128.11132055*	*125.66002573*	*0.93934774*	*0.72643260*	*57.36733776*	*0.11509935*	
Conc SD	*0.00080177[mg/l]*	*0.00477291[mg/l]*	*0.01304681[mg/l]*	*0.00162610[mg/l]*	*0.00010533[mg/l]*	*0.00407792[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 464779-004	Client ID	: ARCH-C1W-EXT-5 TO 6-220623-L-I
Seqnum	: 482252582198	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 291864	Time	: 24-JUN-2022 22:14
Cal	: 482252582001	Caldate	: 24-JUN-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.252	130	1.0	0.035	!<a- u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1559261	1549782	-0.61

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 464779-004,291864			Sample Type: Unknown Sample
Measure Date: 2022-06-24 22:14:49	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	47465.34200	4792.24700	4323.67480	9245.59890	10472.28300	67462.89400	8043.93510
Int RSD	*0.24300821*	*3.47332598*	*0.76387553*	*0.34317662*	*0.73714730*	*0.68560720*	*0.95915661*
Int SD	*115.34468000*	*166.45036000*	*33.02749400*	*31.72873400*	*77.19615100*	*462.53046000*	*77.15393500*
RelInt Mean	0.00003396	0.00707919	-0.00021087	0.00179903	0.00223220	0.20618642	0.00089014
RelInt RSD	*11.58818203*	*4.33312641*	*12.79133026*	*0.87881558*	*2.09112688*	*0.72708377*	*6.12943225*
RelInt SD	*0.00000394*	*0.00030675*	*0.00002697*	*0.00001581*	*0.00004668*	*0.00149915*	*0.00005456*
Conc Mean	<0.00017266[mg/l]	0.66045746[mg/l]	<-0.01047871[mg/l]	0.02572256[mg/l]	0.00686022[mg/l]	13.48658200[mg/l]	0.00521196[mg/l]
Conc RSD	*104.43023667*	*4.60826970*	*15.43802867*	*0.94305175*	*2.18835010*	*0.73685487*	*6.20668142*
Conc SD	*0.00018030[mg/l]*	*0.03043566[mg/l]*	*0.00161771[mg/l]*	*0.00024258[mg/l]*	*0.00015013[mg/l]*	*0.09937654[mg/l]*	*0.00032349[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	8199.00500	256846	7739207	3244.26040	5038.28170	357541	4986.30430
Int RSD	*0.07539627*	*1.03437140*	*0.39643680*	*2.22580980*	*0.88480513*	*0.38849055*	*0.48837348*
Int SD	*6.18174400*	*2656.74260*	*30681.06300*	*72.21106600*	*44.57897500*	*1389.01330*	*24.35178800*
RelInt Mean	0.00135664	0.00662599	5.01581560	0.00842987	0.00688786	0.22699240	0.00016976
RelInt RSD	*1.58325085*	*0.90696634*	*0.24705657*	*1.54317692*	*4.24751177*	*0.27887846*	*17.45564718*
RelInt SD	*0.00002148*	*0.00006010*	*0.01239190*	*0.00013009*	*0.00029256*	*0.00063303*	*0.00002963*
Conc Mean	0.01010259[mg/l]	0.22598284[mg/l]	19.93611100[mg/l]	6.93878280[mg/l]	2.11605120[mg/l]	0.17636245[mg/l]	0.00127499[mg/l]
Conc RSD	*1.67562843*	*0.92896695*	*0.24707758*	*1.56956289*	*4.27613429*	*0.27899775*	*17.91423609*
Conc SD	*0.00016928[mg/l]*	*0.00209931[mg/l]*	*0.04925766[mg/l]*	*0.10890856[mg/l]*	*0.09048519[mg/l]*	*0.00049205[mg/l]*	*0.00022840[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	59898.39000	12659.85300	68819.05500	5278.16530	4320.85700	5936.72320	6508.52300
Int RSD	*0.25276654*	*1.38864835*	*0.34060854*	*0.09719993*	*0.53948393*	*1.11790883*	*2.59009102*
Int SD	*151.40309000*	*175.80084000*	*234.40358000*	*5.13037290*	*23.31032900*	*66.36715300*	*168.57667000*
RelInt Mean	0.15305035	0.00361758	0.04009448	0.00011614	-0.00000813	0.00037796	0.01386798
RelInt RSD	*0.65763528*	*3.19703692*	*0.48812258*	*6.19729678*	*149.61797517*	*11.33245687*	*0.81344278*
RelInt SD	*0.00100651*	*0.00011566*	*0.00019571*	*0.00000720*	*0.00001216*	*0.00004283*	*0.00011281*
Conc Mean	7.19030340[mg/l]	0.03122226[mg/l]	1.25236120[mg/l]	0.00784915[mg/l]	<-0.00095865[mg/l]	0.00715734[mg/l]	0.01326220[mg/l]
Conc RSD	*0.67609902*	*3.34317065*	*0.48745968*	*4.80708904*	*88.72607695*	*11.42547626*	*0.80210816*
Conc SD	*0.04861357[mg/l]*	*0.00104381[mg/l]*	*0.00610476[mg/l]*	*0.00037732[mg/l]*	*0.00085057[mg/l]*	*0.00081776[mg/l]*	*0.00010638[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	172990	4975.87020	11899.21700	1549782	32477868	327630	387085
Int RSD	*5.22558496*	*0.52238971*	*1.13081625*	*0.15608845*	*0.50798689*	*0.29280020*	*0.15789784*
Int SD	*9039.73890*	*25.99343400*	*134.55828000*	*2419.03010*	*164983*	*959.30166000*	*611.19953000*
RelInt Mean	0.00379021	0.00016625	0.00004101	---	---	---	0.24798800
RelInt RSD	*7.13099271*	*11.10143176*	*12.49568280*	---	---	---	*0.30466956*
RelInt SD	*0.00027028*	*0.00001846*	*0.00000512*	---	---	---	*0.00075554*
Conc Mean	0.03697287[mg/l]	0.02361285[mg/l]	<0.00237359[mg/l]	1541341	32406914	325379	0.91529201[mg/l]
Conc RSD	*7.13902248*	*9.48554249*	*40.77796696*	---	---	---	*0.30490123*
Conc SD	*0.00263950[mg/l]*	*0.00223981[mg/l]*	*0.00096790[mg/l]*	*2409.31550*	*164830*	*888.24528000*	*0.00279074[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	250.67943000	8083.95030	113671	14713.95100	6834.28530	79212.98600	
Int RSD	*40.00468247*	*3.41993283*	*1.18908261*	*0.72490564*	*0.57222368*	*0.08847861*	
Int SD	*100.28351000*	*276.46567000*	*1351.64530*	*106.66226000*	*39.10739900*	*70.08655000*	
RelInt Mean	-0.00018777	0.00086224	0.06939078	0.00634426	0.00005040	0.04804681	
RelInt RSD	*188.01395823*	*30.45416705*	*1.38701614*	*1.08732041*	*53.83589098*	*0.17245019*	
RelInt SD	*0.00035304*	*0.00026259*	*0.00096246*	*0.00006898*	*0.00002713*	*0.00008286*	
Conc Mean	<0.00077862[mg/l]	<0.00385272[mg/l]	1.27021200[mg/l]	0.21989478[mg/l]	<0.00007893[mg/l]	4.05738190[mg/l]	
Conc RSD	*169.00222827*	*69.34624178*	*1.39565828*	*1.12264952*	*142.06513735*	*0.17243770*	
Conc SD	*0.00131589[mg/l]*	*0.00267172[mg/l]*	*0.01772782[mg/l]*	*0.00246865[mg/l]*	*0.00011213[mg/l]*	*0.00699646[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 464779-005	Client ID	: ARCH-C1W-EXT-5 TO 6-220623-L-DUP-I
Seqnum	: 482252582199	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 291864	Time	: 24-JUN-2022 22:18
Cal	: 482252582001	Caldate	: 24-JUN-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.588	160	1.0	0.035	!<a- u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1559261	1559374	0.01

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 464779-005,291864			Sample Type: Unknown Sample
Measure Date: 2022-06-24 22:18:05	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	47193.60200	5193.07210	4407.30660	8964.09040	11016.79000	79216.92800	8103.28770
Int RSD	*0.49152728*	*0.70000865*	*0.79073096*	*0.47649795*	*0.36826107*	*0.43048567*	*0.13456665*
Int SD	*231.96943000*	*36.35195400*	*34.84993800*	*42.71370700*	*40.57054900*	*341.01752000*	*10.90432300*
RelInt Mean	0.00003651	0.00825462	-0.00018448	0.00160312	0.00256597	0.24206209	0.00093081
RelInt RSD	*18.11006497*	*3.14880788*	*9.92611890*	*2.00266355*	*1.64748202*	*0.64377805*	*0.74427884*
RelInt SD	*0.00000661*	*0.00025992*	*0.00001831*	*0.00003211*	*0.00004227*	*0.00155834*	*0.00000693*
Conc Mean	<0.00028954[mg/l]	0.77708274[mg/l]	<-0.00889577[mg/l]	0.02271672[mg/l]	0.00793157[mg/l]	15.86472200[mg/l]	0.00544604[mg/l]
Conc RSD	*104.62951137*	*3.31874235*	*12.34576699*	*2.16841014*	*1.70998484*	*0.65113167*	*0.70056430*
Conc SD	*0.00030295[mg/l]*	*0.02578937[mg/l]*	*0.00109825[mg/l]*	*0.00049259[mg/l]*	*0.00013563[mg/l]*	*0.10330023[mg/l]*	*0.00003815[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	8292.06650	124838	7659132	3660.03500	5224.08600	362861	4955.69380
Int RSD	*0.00475837*	*0.54222810*	*0.13898410*	*3.78291656*	*1.56836605*	*0.36583562*	*0.15639119*
Int SD	*0.39456754*	*676.90861000*	*10644.97600*	*138.45607000*	*81.93279100*	*1327.47620*	*7.75026870*
RelInt Mean	0.00139218	0.00256828	4.93308660	0.00974508	0.00739985	0.22901143	0.00015022
RelInt RSD	*0.78818368*	*0.52664858*	*0.18191851*	*3.70280517*	*5.64978006*	*0.63964777*	*1.75358656*
RelInt SD	*0.00001097*	*0.00001353*	*0.00897420*	*0.00036084*	*0.00041808*	*0.00146487*	*0.00000263*
Conc Mean	0.01038268[mg/l]	0.08423537[mg/l]	19.60726500[mg/l]	8.03986350[mg/l]	2.27440290[mg/l]	0.17793182[mg/l]	0.00112435[mg/l]
Conc RSD	*0.83292986*	*0.56092234*	*0.18193474*	*3.75744601*	*5.68520160*	*0.63992286*	*1.80582580*
Conc SD	*0.00008648[mg/l]*	*0.00047249[mg/l]*	*0.03567243[mg/l]*	*0.30209353[mg/l]*	*0.12930439[mg/l]*	*0.00113863[mg/l]*	*0.00002030[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	66075.54100	13216.20800	85889.70500	5217.78600	4325.23640	5873.17560	7251.10850
Int RSD	*0.09614043*	*0.96850299*	*0.06426267*	*1.57082667*	*0.65447946*	*1.18853865*	*1.01385537*
Int SD	*63.52530700*	*127.99937000*	*55.19501400*	*81.96237400*	*28.30778400*	*69.80496200*	*73.51575300*
RelInt Mean	0.17186078	0.00394044	0.05083656	0.00005736	-0.00000434	0.00031451	0.01615386
RelInt RSD	*0.53477581*	*1.87206482*	*0.36494908*	*86.51444403*	*268.23090215*	*16.54127159*	*0.13749538*
RelInt SD	*0.00091907*	*0.00007377*	*0.00018553*	*0.00004963*	*0.00001165*	*0.00005202*	*0.00002221*
Conc Mean	8.09882820[mg/l]	0.03413615[mg/l]	1.58774740[mg/l]	0.00475899[mg/l]	<-0.00069393[mg/l]	0.00594591[mg/l]	0.01541776[mg/l]
Conc RSD	*0.54810591*	*1.95033081*	*0.36515885*	*54.80538380*	*117.42193233*	*16.70470813*	*0.13584908*
Conc SD	*0.04439016[mg/l]*	*0.00066577[mg/l]*	*0.00579780[mg/l]*	*0.00260818[mg/l]*	*0.00081483[mg/l]*	*0.00099325[mg/l]*	*0.00002094[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	188435	4981.06420	11796.99600	1559374	32514284	327939	384112
Int RSD	*8.10780936*	*0.39167060*	*0.57271659*	*0.31786644*	*0.06678607*	*0.48768983*	*0.23450947*
Int SD	*15277.98300*	*19.50936400*	*67.56335300*	*4956.72540*	*21715.01200*	*1599.32500*	*900.77977000*
RelInt Mean	0.00427127	0.00016585	0.00003639	---	---	---	0.24450900
RelInt RSD	*10.77160908*	*11.49642072*	*13.45692792*	---	---	---	*0.32667058*
RelInt SD	*0.00046008*	*0.00001907*	*0.00000490*	---	---	---	*0.00079874*
Conc Mean	0.04167077[mg/l]	0.02355373[mg/l]	<0.00150037[mg/l]	1550972	32443110	325733	0.90244196[mg/l]
Conc RSD	*10.78236992*	*9.80819594*	*61.63938728*	---	---	---	*0.32690994*
Conc SD	*0.00449310[mg/l]*	*0.00231020[mg/l]*	*0.00092482[mg/l]*	*4987.67760*	*21550.98700*	*1583.59470*	*0.00295017[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	267.93986000	7966.42020	123609	15577.08700	6844.72820	96179.71900	
Int RSD	*33.32516857*	*3.16847271*	*2.39043272*	*0.41021599*	*0.38543022*	*0.24276306*	
Int SD	*89.29141000*	*252.41385000*	*2954.79500*	*63.89970200*	*26.38165100*	*233.48883000*	
RelInt Mean	-0.00023075	0.00083264	0.07538719	0.00684275	0.00005788	0.05867234	
RelInt RSD	*93.81827653*	*19.63241747*	*2.85972380*	*0.65670882*	*56.05302313*	*0.59811667*	
RelInt SD	*0.00021649*	*0.00016347*	*0.00215587*	*0.00004494*	*0.00003245*	*0.00035093*	
Conc Mean	<0.00061843[mg/l]	0.00355153[mg/l]	1.38065480[mg/l]	0.23773380[mg/l]	<0.00010330[mg/l]	4.95460640[mg/l]	
Conc RSD	*130.47774723*	*46.83063253*	*2.87584123*	*0.67644407*	*125.56515014*	*0.59808212*	
Conc SD	*0.00080691[mg/l]*	*0.00166320[mg/l]*	*0.03970544[mg/l]*	*0.00160814[mg/l]*	*0.00012971[mg/l]*	*0.02963262[mg/l]*	

ENTHALPY BLANK USER REPORT FOR 464779 METALS Wipe
EPA 6010B

Inst : MET06 Lab ID : QC996928
Seqnum : 482252582194.3 Matrix : Wipe
File : met06_master Batch : 291864 Time : 24-JUN-2022 22:01
Cal : 482252582001 Caldate : 24-JUN-2022
IDF : 1.0 Raw Units : mg/l Units : ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Flags
Lead	A	0.0003544	ND	1.0	!<a- u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	1559261	1585097	1.66

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BLANK,QC996928,291864	Sample Type: Unknown Sample		
Measure Date: 2022-06-24 22:01:50	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	48417.75300	2515.29870	3353.29630	9131.49060	7281.95730	1811.51330	6603.57580
Int RSD	*0.72958109*	*6.01926642*	*0.38841575*	*0.71479959*	*0.41074244*	*7.12822589*	*0.26594343*
Int SD	*353.24677000*	*151.40253000*	*13.02473100*	*65.27185700*	*29.91008900*	*129.12876000*	*17.56177600*
RelInt Mean	0.00003708	0.00109166	-0.00009978	0.00176039	0.00024309	0.00431354	-0.00001804
RelInt RSD	*3.82062487*	*27.69957214*	*3.71401730*	*1.75573659*	*21.17605054*	*5.54515080*	*50.13917463*
RelInt SD	*0.00000142*	*0.00030239*	*0.00000371*	*0.00003091*	*0.00005148*	*0.00023919*	*0.00000905*
Conc Mean	<0.00031544[mg/l]	0.06637678[mg/l]	<-0.00380770[mg/l]	0.02512970[mg/l]	0.00048229[mg/l]	0.10475509[mg/l]	<-0.00014285[mg/l]
Conc RSD	*20.57509747*	*45.20038211*	*5.83539066*	*1.88709385*	*34.25683900*	*15.13594900*	*34.53701096*
Conc SD	*0.00006490[mg/l]*	*0.03000256[mg/l]*	*0.00022219[mg/l]*	*0.00047422[mg/l]*	*0.00016522[mg/l]*	*0.01585568[mg/l]*	*0.00004934[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6417.88960	48252.34900	36451.09000	593.47583000	2928.70850	11080.70300	4360.75040
Int RSD	*0.14760832*	*0.64767006*	*15.85295447*	*12.04454662*	*3.67044006*	*3.64456136*	*0.29529216*
Int SD	*9.47333900*	*312.51602000*	*5778.57470*	*71.48147300*	*107.49649000*	*403.84302000*	*12.87695400*
RelInt Mean	0.00019486	0.00018385	0.01830137	0.00015970	-0.00009152	0.00232876	0.00004599
RelInt RSD	*7.27656788*	*2.17445891*	*20.28263083*	*140.80979428*	*283.53991966*	*12.15095473*	*19.99919728*
RelInt SD	*0.00001418*	*0.00000400*	*0.00371200*	*0.00022488*	*0.00025950*	*0.00028297*	*0.00000920*
Conc Mean	0.00094630[mg/l]	0.00094053[mg/l]	0.07110024[mg/l]	<0.01505958[mg/l]	<-0.04256537[mg/l]	0.00173355[mg/l]	<0.00032101[mg/l]
Conc RSD	*11.80892598*	*14.84832504*	*20.75254991*	*1250.14507*	*188.55474170*	*12.68772431*	*22.08600223*
Conc SD	*0.00011175[mg/l]*	*0.00013965[mg/l]*	*0.01475511[mg/l]*	*0.18826666[mg/l]*	*0.08025903[mg/l]*	*0.00021995[mg/l]*	*0.00007090[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	13273.84600	7346.52310	6855.32360	4869.24940	3719.65680	3446.59670	2104.96080
Int RSD	*1.09053149*	*0.35007533*	*0.50266695*	*0.53883482*	*0.55509551*	*0.38061268*	*3.32673012*
Int SD	*144.75547000*	*25.71836500*	*34.45944600*	*26.23721100*	*20.64764800*	*13.11818400*	*70.02636500*
RelInt Mean	0.00909264	0.00022305	-0.00000704	0.00004501	0.00003132	0.00003465	-0.00018504
RelInt RSD	*5.07555040*	*5.35508106*	*338.22995902*	*24.05179657*	*23.44233919*	*44.92432261*	*112.59157010*
RelInt SD	*0.00046150*	*0.00001194*	*0.00002380*	*0.00001083*	*0.00000734*	*0.00001556*	*0.00020834*
Conc Mean	0.23729070[mg/l]	0.00058595[mg/l]	<0.00035438[mg/l]	0.00416544[mg/l]	<0.00179970[mg/l]	<0.00060272[mg/l]	<0.00001033[mg/l]
Conc RSD	*9.39356494*	*18.39785794*	*208.14288886*	*13.65119003*	*28.52438117*	*49.30325141*	*1902.08339*
Conc SD	*0.02229006[mg/l]*	*0.00010780[mg/l]*	*0.00073762[mg/l]*	*0.00056863[mg/l]*	*0.00051335[mg/l]*	*0.00029716[mg/l]*	*0.00019646[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	72437.22500	3504.52310	11674.06800	1585097	32889022	328111	5172.05210
Int RSD	*12.55024388*	*0.09043117*	*2.25051482*	*0.24747178*	*0.80626387*	*0.54313112*	*0.62786200*
Int SD	*9091.04840*	*3.16918130*	*262.72663000*	*3922.66750*	*265172*	*1782.07040*	*32.47335000*
RelInt Mean	0.00064778	-0.00005798	0.00002580	---	---	---	0.00037748
RelInt RSD	*45.16832138*	*25.00455234*	*13.31311349*	---	---	---	*2.92155543*
RelInt SD	*0.00029259*	*0.00001450*	*0.00000343*	---	---	---	*0.00001103*
Conc Mean	0.00628448[mg/l]	<-0.00348832[mg/l]	<-0.00049976[mg/l]	1576768	32817117	325779	0.00072976[mg/l]
Conc RSD	*45.46753562*	*50.16931499*	*129.78769592*	---	---	---	*5.58169989*
Conc SD	*0.00285740[mg/l]*	*0.00175007[mg/l]*	*0.00064863[mg/l]*	*3939.10920*	*264977*	*1743.97950*	*0.00004073[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	382.24532000	8329.02560	8752.87970	3983.99510	6775.55580	4515.45270	
Int RSD	*22.57028994*	*1.76619616*	*0.36994243*	*1.11645599*	*0.76247132*	*0.58734924*	
Int SD	*86.27387700*	*147.10693000*	*32.38061600*	*44.47955200*	*51.66167000*	*26.52147700*	
RelInt Mean	-0.00003696	0.00077952	0.00129690	0.00035215	0.00010058	0.00022008	
RelInt RSD	*732.52445795*	*60.06898977*	*2.23930998*	*6.94477315*	*30.80341537*	*6.92397530*	
RelInt SD	*0.00027074*	*0.00046825*	*0.00002904*	*0.00002446*	*0.00003098*	*0.00001524*	
Conc Mean	<0.00134075[mg/l]	<0.00301102[mg/l]	0.01610880[mg/l]	<0.00545778[mg/l]	<0.00025669[mg/l]	0.01887101[mg/l]	
Conc RSD	*75.26678504*	*158.22551877*	*3.31358137*	*16.03582825*	*48.68025367*	*6.81853505*	
Conc SD	*0.00100914[mg/l]*	*0.00476420[mg/l]*	*0.00053378[mg/l]*	*0.00087520[mg/l]*	*0.00012496[mg/l]*	*0.00128673[mg/l]*	

ENTHALPY SPIKE USER REPORT FOR 464779 METALS Wipe
EPA 6010B

Type : BS
Inst : MET06
Seqnum : 482252582195.3
File : met06_master
IDF : 1.0
Lab ID : QC996929
Matrix : Wipe
Batch : 291864
Time : 24-JUN-2022 22:05
Cal : 482252582001
Units : ug/ft2

Type : BSD
Inst : MET06
Seqnum : 482252582196.3
File : met06_master
IDF : 1.0
Lab ID : QC996930
Matrix : Wipe
Batch : 291864
Time : 24-JUN-2022 22:08
Cal : 482252582001

BS: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF
BSD: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Lead	100.0	1.034	103.4	A	103	1.043	104.3	A	104	80-120	1	20	!<a- u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	1559261	1567142	0.51

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	1559261	1580252	1.35

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BS,QC996929,291864				Sample Type: Unknown Sample			
Measure Date: 2022-06-24 22:05:04		Recalculation Date:		State: Measured		Quality:	

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	389433	5824.09080	28759.11600	103052	503019	7011.40180	280571
Int RSD	*0.74636755*	*5.56366326*	*1.07649185*	*0.24681157*	*0.16413263*	*2.79763114*	*0.37616792*
Int SD	*2906.60290*	*324.03280000*	*309.58954000*	*254.34517000*	*825.61812000*	*196.15316000*	*1055.41660*
RelInt Mean	0.01046700	0.01103456	0.01613451	0.06193865	0.31810002	0.02060406	0.17552857
RelInt RSD	*0.73155485*	*7.66859083*	*1.93612854*	*0.80340727*	*0.87792365*	*4.65161808*	*0.73805717*
RelInt SD	*0.00007657*	*0.00084620*	*0.00031238*	*0.00049762*	*0.00279268*	*0.00095842*	*0.00129550*
Conc Mean	0.47814444[mg/l]	1.05290780[mg/l]	0.96899683[mg/l]	0.94844736[mg/l]	1.01651420[mg/l]	1.18462700[mg/l]	1.04338380[mg/l]
Conc RSD	*0.73366828*	*7.97403353*	*1.93281964*	*0.80499956*	*0.87798632*	*5.36305968*	*0.73901102*
Conc SD	*0.00350799[mg/l]*	*0.08395922[mg/l]*	*0.01872896[mg/l]*	*0.00763500[mg/l]*	*0.00892486[mg/l]*	*0.06353225[mg/l]*	*0.00771072[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	203677	949824	427468	4488.54610	4105.78310	2051401	209550
Int RSD	*0.10955642*	*1.12123771*	*0.27681129*	*2.15712754*	*3.64850934*	*0.74443857*	*0.14052936*
Int SD	*223.14080000*	*10649.78700*	*1183.28080*	*96.82366400*	*149.79988000*	*15271.42100*	*294.47907000*
RelInt Mean	0.12647608	0.02783174	0.26924181	0.01214654	0.00368073	1.31106620	0.13155402
RelInt RSD	*0.92278999*	*0.94353691*	*0.83038303*	*1.76811730*	*11.26735654*	*0.29761031*	*0.94152182*
RelInt SD	*0.00116711*	*0.00026260*	*0.00223574*	*0.00021477*	*0.00041472*	*0.00390187*	*0.00123861*
Conc Mean	0.99620167[mg/l]	0.96675972[mg/l]	1.06858310[mg/l]	10.05035200[mg/l]	1.12413490[mg/l]	1.01900270[mg/l]	1.01396500[mg/l]
Conc RSD	*0.92333625*	*0.94888709*	*0.83166456*	*1.78898938*	*11.41028003*	*0.29763281*	*0.94155734*
Conc SD	*0.00919829[mg/l]*	*0.00917346[mg/l]*	*0.00888703[mg/l]*	*0.17979973[mg/l]*	*0.12826694[mg/l]*	*0.00303289[mg/l]*	*0.00954706[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	21243.85000	187070	58700.98100	33537.07600	21337.69200	3606.22890	345809
Int RSD	*0.96573639*	*0.51746785*	*0.41980149*	*0.47871988*	*0.10777816*	*1.08298184*	*0.42308958*
Int SD	*205.15959000*	*968.02731000*	*246.42759000*	*160.54865000*	*22.99737100*	*39.05480400*	*1463.08340*
RelInt Mean	0.03346935	0.11529631	0.03309396	0.01831915	0.01126091	0.00006461	1.05726620
RelInt RSD	*1.27277456*	*0.77243035*	*0.91357040*	*0.60078055*	*1.01554608*	*19.31973238*	*0.60414995*
RelInt SD	*0.00042599*	*0.00089058*	*0.00030234*	*0.00011006*	*0.00011436*	*0.00001248*	*0.00638747*
Conc Mean	1.41466120[mg/l]	1.03914660[mg/l]	1.03369950[mg/l]	0.95857254[mg/l]	0.78708159[mg/l]	0.00117487[mg/l]	0.99717737[mg/l]
Conc RSD	*1.45439961*	*0.77349468*	*0.91351626*	*0.59817692*	*1.01604981*	*20.28581331*	*0.60403503*
Conc SD	*0.02057483[mg/l]*	*0.00803774[mg/l]*	*0.00944301[mg/l]*	*0.00573396[mg/l]*	*0.00799714[mg/l]*	*0.00023833[mg/l]*	*0.00602330[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3401465	16147.92000	179480	1567142	32560508	327312	429631
Int RSD	*0.60185742*	*0.43182298*	*1.26861570*	*1.03520587*	*0.44661343*	*0.86728222*	*0.20139789*
Int SD	*20471.96700*	*69.73042900*	*2276.91210*	*16223.14500*	*145420*	*2838.72060*	*865.26764000*
RelInt Mean	0.10293633	0.00792629	0.00517309	---	---	---	0.27252322
RelInt RSD	*0.52434554*	*0.71579618*	*1.12552734*	---	---	---	*0.91794740*
RelInt SD	*0.00053974*	*0.00005674*	*0.00005822*	---	---	---	*0.00250162*
Conc Mean	1.00521530[mg/l]	0.95918040[mg/l]	0.97123508[mg/l]	1558645	32488081	325001	1.00541670[mg/l]
Conc RSD	*0.52436309*	*0.71515174*	*1.13223237*	---	---	---	*0.91855653*
Conc SD	*0.00527098[mg/l]*	*0.00685960[mg/l]*	*0.01099664[mg/l]*	*16198.87700*	*145128*	*2925.34220*	*0.00923532[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	87929.60400	41641.62600	362335	4344.99500	375045	4722.26900	
Int RSD	*0.64692883*	*0.52664212*	*0.08819963*	*3.07843553*	*0.05491076*	*0.73485443*	
Int SD	*568.84196000*	*219.30234000*	*319.57772000*	*133.75787000*	*205.93987000*	*34.70180300*	
RelInt Mean	0.26924807	0.10280123	0.22791819	0.00050444	0.23597365	0.00029901	
RelInt RSD	*0.44642552*	*1.21395328*	*0.95839297*	*19.52708519*	*1.01047002*	*4.43368379*	
RelInt SD	*0.00120199*	*0.00124796*	*0.00218435*	*0.00009850*	*0.00238444*	*0.00001326*	
Conc Mean	1.00504430[mg/l]	1.04103520[mg/l]	4.16711220[mg/l]	0.01090775[mg/l]	0.94623728[mg/l]	0.02553583[mg/l]	
Conc RSD	*0.44576791*	*1.21969344*	*0.96027978*	*32.31719353*	*1.00807196*	*4.38378976*	
Conc SD	*0.00448017[mg/l]*	*0.01269744[mg/l]*	*0.04001594[mg/l]*	*0.00352508[mg/l]*	*0.00953875[mg/l]*	*0.00111944[mg/l]*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BSD,QC996930,291864			Sample Type: Unknown Sample
Measure Date: 2022-06-24 22:08:19	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	397615	5986.43290	29117.33800	104717	513833	7259.96680	284782
Int RSD	*0.54910030*	*3.44710621*	*0.38660622*	*0.28392356*	*0.05394937*	*1.87426463*	*0.20444146*
Int SD	*2183.30720*	*206.35870000*	*112.56944000*	*297.31533000*	*277.20944000*	*136.07099000*	*582.21325000*
RelInt Mean	0.01066350	0.01136509	0.01622484	0.06248594	0.32232093	0.02130930	0.17672110
RelInt RSD	*0.35380710*	*5.59191204*	*0.48483597*	*0.23125095*	*0.28898385*	*4.30784781*	*0.47423283*
RelInt SD	*0.00003773*	*0.00063553*	*0.00007866*	*0.00014450*	*0.00093146*	*0.00091797*	*0.00083807*
Conc Mean	0.48714663[mg/l]	1.08570340[mg/l]	0.97440652[mg/l]	0.95684445[mg/l]	1.03002210[mg/l]	1.23137610[mg/l]	1.05045900[mg/l]
Conc RSD	*0.35481311*	*5.80790711*	*0.48393518*	*0.23170546*	*0.28831873*	*4.94170002*	*0.47467932*
Conc SD	*0.00172846[mg/l]*	*0.06305664[mg/l]*	*0.00471550[mg/l]*	*0.00221706[mg/l]*	*0.00296975[mg/l]*	*0.06085091[mg/l]*	*0.00498631[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	207135	965251	428772	4518.67000	4151.41780	2087587	213119
Int RSD	*0.26449893*	*0.95599968*	*0.22390067*	*1.81484813*	*2.68616736*	*0.30096110*	*0.15536291*
Int SD	*547.87002000*	*9227.79870*	*960.02304000*	*82.00699800*	*111.51403000*	*6282.82510*	*331.10765000*
RelInt Mean	0.12762970	0.02815876	0.26783063	0.01236426	0.00366335	1.32310490	0.13274376
RelInt RSD	*0.59110425*	*0.49241428*	*0.51184161*	*2.77464318*	*4.93129027*	*0.21938107*	*0.49524505*
RelInt SD	*0.00075442*	*0.00013866*	*0.00137087*	*0.00034306*	*0.00018065*	*0.00290264*	*0.00065741*
Conc Mean	1.00529370[mg/l]	0.97818346[mg/l]	1.06297370[mg/l]	10.23262600[mg/l]	1.11876020[mg/l]	1.02836020[mg/l]	1.02313530[mg/l]
Conc RSD	*0.59145170*	*0.49517339*	*0.51263283*	*2.80681372*	*4.99414477*	*0.21940104*	*0.49526359*
Conc SD	*0.00594583[mg/l]*	*0.00484370[mg/l]*	*0.00544915[mg/l]*	*0.28721075[mg/l]*	*0.05587250[mg/l]*	*0.00225623[mg/l]*	*0.00506722[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	20880.39900	190297	59554.66500	34072.90800	21585.38000	3559.47320	351409
Int RSD	*1.49609555*	*0.20645399*	*0.48516732*	*0.63145784*	*0.14797471*	*0.10797723*	*0.78844133*
Int SD	*312.39072000*	*392.87478000*	*288.93977000*	*215.15605000*	*31.94090300*	*3.84342050*	*2770.65230*
RelInt Mean	0.03265346	0.11639579	0.03338093	0.01851930	0.01134475	0.00004243	1.07677290
RelInt RSD	*2.55148825*	*0.49232488*	*0.19657993*	*0.53923684*	*0.36430464*	*12.56612058*	*0.48488507*
RelInt SD	*0.00083315*	*0.00057305*	*0.00006562*	*0.00009986*	*0.00004133*	*0.00000533*	*0.00522111*
Conc Mean	1.37525450[mg/l]	1.04906960[mg/l]	1.04265310[mg/l]	0.96903636[mg/l]	0.79294465[mg/l]	<0.00075137[mg/l]	1.01557210[mg/l]
Conc RSD	*2.92602387*	*0.49299393*	*0.19767093*	*0.54272286*	*0.36448168*	*13.54865776*	*0.48479758*
Conc SD	*0.04024027[mg/l]*	*0.00517185[mg/l]*	*0.00206102[mg/l]*	*0.00525918[mg/l]*	*0.00289014[mg/l]*	*0.00010180[mg/l]*	*0.00492347[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3468360	16379.87500	182259	1580252	32728818	326591	436859
Int RSD	*0.91298668*	*0.37376633*	*0.96910023*	*0.33823809*	*0.48271160*	*1.16160936*	*0.25575580*
Int SD	*31665.66200*	*61.22245700*	*1766.27230*	*5345.01310*	*157986*	*3793.71640*	*1117.29140*
RelInt Mean	0.10444961	0.00800046	0.00523124	---	---	---	0.27484080
RelInt RSD	*0.44600389*	*0.32300879*	*0.55806027*	---	---	---	*0.58725604*
RelInt SD	*0.00046585*	*0.00002584*	*0.00002919*	---	---	---	*0.00161402*
Conc Mean	1.01999380[mg/l]	0.96810990[mg/l]	0.98221373[mg/l]	1571804	32655859	324275	1.01397230[mg/l]
Conc RSD	*0.44602413*	*0.32504727*	*0.56124525*	---	---	---	*0.58764377*
Conc SD	*0.00454942[mg/l]*	*0.00314681[mg/l]*	*0.00551263[mg/l]*	*5369.23110*	*158012*	*3834.56260*	*0.00595855[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	89837.28900	42069.38000	346946	4296.48820	382981	4681.70510	
Int RSD	*0.50789019*	*0.86791674*	*0.28855052*	*2.42833461*	*0.36307413*	*0.81494454*	
Int SD	*456.27478000*	*365.12719000*	*1001.11410*	*104.33311000*	*1390.50550*	*38.15330000*	
RelInt Mean	0.27557363	0.10448828	0.21621802	0.00048776	0.23907811	0.00027558	
RelInt RSD	*1.57613477*	*1.41165382*	*0.58343356*	*10.96208992*	*0.70694352*	*7.06261618*	
RelInt SD	*0.00434341*	*0.00147501*	*0.00126149*	*0.00005347*	*0.00169015*	*0.00001946*	
Conc Mean	1.02862160[mg/l]	1.05820010[mg/l]	3.95141700[mg/l]	0.01031074[mg/l]	0.95871476[mg/l]	0.02355730[mg/l]	
Conc RSD	*1.57386730*	*1.41821826*	*0.58525035*	*18.55792463*	*0.70887750*	*6.97646148*	
Conc SD	*0.01618914[mg/l]*	*0.01500759[mg/l]*	*0.02312568[mg/l]*	*0.00191346[mg/l]*	*0.00679611[mg/l]*	*0.00164347[mg/l]*	

ENTHALPY INITIAL CALIBRATION FOR 464779 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	482252582001	Date:	24-JUN-2022 09:46
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master	482252582003	L1	24-JUN-2022 09:49	S16950, S13369 (100X)
L2	met06_master	482252582004	L2	24-JUN-2022 09:52	S16949, S13369 (100X)
L3	met06_master	482252582005	L3	24-JUN-2022 09:55	S16948, S13369 (100X)
L4	met06_master	482252582006	L4	24-JUN-2022 09:59	S16947, S13369 (100X)

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	0.0290	0.0337	0.0339	0.0320	WB1K	5.85E-4	31.2250		0.0322	1.000		5	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
WB1K: Linear regression with ICALBLK weighting factor of 1000

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D
Lead	A	0.0033	8	0.1000	6	1.0000	6	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 464779 METALS Wipe
EPA 6010B

Inst : MET06
Calnum : 482252582001 Cal Date : 24-JUN-2022

ICV 482252582011 (24-JUN-2022) stds: S16870, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	0.9799	mg/l	-2	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICALBLK,CALBLANK			Sample Type: Calibration Sample
Measure Date: 2022-06-24 09:46:04	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	45824.58100	2230.08090	3276.58720	6273.29030	6771.76400	1256.29590	6382.26140
Int RSD	*0.21138546*	*1.24213184*	*0.22920960*	*0.02379887*	*0.23455218*	*6.18779501*	*0.30603447*
Int SD	*96.86650000*	*27.70054500*	*7.51025230*	*1.49297190*	*15.88332000*	*77.73701500*	*19.53192000*
RelInt Mean	0.00003019	0.00042180	-0.00003669	0.00012305	0.00008130	0.00272627	0.00000002
RelInt RSD	*23.30580017*	*55.96764773*	*54.43159496*	*14.89362878*	*12.38103382*	*6.08818475*	*119317*
RelInt SD	*0.00000704*	*0.00023607*	*0.00001997*	*0.00001833*	*0.00001007*	*0.00016598*	*0.00001815*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	5895.09530	45221.06600	7874.86440	494.22825000	2768.15770	7132.68060	4053.26790
Int RSD	*0.33111751*	*0.31609671*	*0.28465853*	*5.47234259*	*4.18289789*	*0.43853451*	*0.40007822*
Int SD	*19.51969300*	*142.94230000*	*22.41647300*	*27.04586300*	*115.78921000*	*31.27926600*	*16.21624200*
RelInt Mean	0.00006865	0.00015687	0.00038767	0.00014172	0.00004402	0.00002032	0.00000288
RelInt RSD	*28.75798372*	*2.67369302*	*7.91028429*	*48.84780832*	*325.52993120*	*84.56560691*	*281.17797833*
RelInt SD	*0.00001974*	*0.00000419*	*0.00003067*	*0.00006922*	*0.00014331*	*0.00001719*	*0.00000810*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	11083.21400	6985.80830	6566.63760	4574.53160	3480.91480	3241.59610	1923.24250
Int RSD	*1.62142768*	*0.39157401*	*0.31556567*	*0.49896147*	*0.56389053*	*0.79815767*	*5.45307053*
Int SD	*179.70630000*	*27.35461000*	*20.72205400*	*22.82515000*	*19.62854900*	*25.87304800*	*104.87577000*
RelInt Mean	0.00413463	0.00015246	-0.00002063	-0.00003486	0.00000547	0.00000170	-0.00020323
RelInt RSD	*9.66598890*	*6.07913370*	*147.86792665*	*75.17038827*	*117.93916959*	*1012.27298*	*78.13413180*
RelInt SD	*0.00039965*	*0.00000927*	*0.00003050*	*0.00002621*	*0.00000645*	*0.00001721*	*0.00015879*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	48516.40400	3237.95910	10951.66900	1559261	33514014	337694	4654.38640
Int RSD	*0.58605180*	*0.40099077*	*1.03062812*	*0.36393185*	*0.11731362*	*0.55432956*	*0.90342888*
Int SD	*284.33126000*	*12.98391700*	*112.87098000*	*5674.64880*	*39316.50300*	*1871.93490*	*42.04907100*
RelInt Mean	0.00000438	-0.00003135	0.00002843	---	---	---	0.00017939
RelInt RSD	*110.36122492*	*40.96934563*	*8.23186213*	---	---	---	*20.78471554*
RelInt SD	*0.00000483*	*0.00001284*	*0.00000234*	---	---	---	*0.00003729*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	218.67345000	7681.81310	7057.63190	3687.46410	6446.91680	4131.86080	
Int RSD	*43.45609355*	*0.21152544*	*0.82968017*	*2.95712818*	*0.82677980*	*0.25968014*	
Int SD	*95.02693900*	*16.24898900*	*58.55577200*	*109.04304000*	*53.30180600*	*10.72962200*	
RelInt Mean	-0.00039831	0.00047941	0.00042186	0.00019964	0.00003694	-0.00000340	
RelInt RSD	*107.56083378*	*65.87050244*	*7.72160232*	*34.23332870*	*96.86417898*	*171.87486382*	
RelInt SD	*0.00042842*	*0.00031579*	*0.00003257*	*0.00006834*	*0.00003578*	*0.00000585*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L1,S16950			Sample Type: Calibration Sample
Measure Date: 2022-06-24 09:49:22	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	46528.55200	2242.15380	3371.59170	6630.91410	8543.11140	1711.51390	6898.04060
Int RSD	*1.02237224*	*3.58481216*	*0.67562433*	*0.43255751*	*0.40182196*	*5.69927156*	*0.81745438*
Int SD	*475.69500000*	*80.37700200*	*22.77929400*	*28.68251700*	*34.32809800*	*97.54382500*	*56.38833500*
RelInt Mean	0.00003295	0.00073579	0.00002146	0.00034819	0.00120666	0.00411515	0.00030999
RelInt RSD	*20.76636910*	*13.72708094*	*66.21275454*	*5.44792314*	*0.81311951*	*5.32760027*	*13.47946617*
RelInt SD	*0.00000684*	*0.00010100*	*0.00001421*	*0.00001897*	*0.00000981*	*0.00021924*	*0.00004179*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6647.41670	48835.52500	10868.21200	722.21719000	2781.34570	14255.44700	4835.85090
Int RSD	*0.39722344*	*0.68664150*	*0.31824340*	*18.29774642*	*3.70691425*	*0.73088504*	*0.72010837*
Int SD	*26.40509700*	*335.32498000*	*34.58736700*	*132.14947000*	*103.10210000*	*104.19093000*	*34.82336700*
RelInt Mean	0.00051481	0.00024825	0.00229482	0.00094946	0.00010892	0.00461357	0.00048135
RelInt RSD	*4.14931984*	*2.53790618*	*1.81077077*	*17.42430901*	*120.61811942*	*1.16273950*	*6.10737180*
RelInt SD	*0.00002136*	*0.00000630*	*0.00004155*	*0.00016544*	*0.00013138*	*0.00005364*	*0.00002940*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	15517.22300	7645.29760	6779.68570	4919.14310	3708.97520	3558.70280	8273.88610
Int RSD	*1.32542659*	*0.12443497*	*0.47771486*	*1.06721404*	*0.12586843*	*0.45794220*	*3.70279281*
Int SD	*205.66940000*	*9.51342340*	*32.38756600*	*52.49778600*	*4.66842890*	*16.29680200*	*306.36486000*
RelInt Mean	0.01739690	0.00054561	0.00009667	0.00018135	0.00013904	0.00019027	0.01863322
RelInt RSD	*1.84202866*	*0.55182756*	*7.96973875*	*17.33624834*	*9.78695964*	*12.03217352*	*3.79909168*
RelInt SD	*0.00032046*	*0.00000301*	*0.00000770*	*0.00003144*	*0.00001361*	*0.00002289*	*0.00070789*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	60734.14800	3404.74830	11357.44200	1551235	33424926	341132	9338.26330
Int RSD	*0.74009139*	*0.25406247*	*1.49486601*	*0.36567130*	*0.21051171*	*0.11083417*	*0.31821124*
Int SD	*449.48820000*	*8.65018770*	*169.77854000*	*5672.41980*	*70363.38400*	*378.09078000*	*29.71540300*
RelInt Mean	0.00035298	0.00006058	0.00003312	---	---	---	0.00320884
RelInt RSD	*1.15786726*	*12.56794590*	*7.80641288*	---	---	---	*0.55281918*
RelInt SD	*0.00000409*	*0.00000761*	*0.00000259*	---	---	---	*0.00001774*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	386.69271000	7751.44640	15225.57100	49263.90000	7175.19560	23350.43600	
Int RSD	*10.18673173*	*4.78209989*	*0.49553070*	*0.16412680*	*0.36648627*	*0.36905286*	
Int SD	*39.39134900*	*370.68191000*	*75.44737900*	*80.85526400*	*26.29610700*	*86.17545100*	
RelInt Mean	0.00019100	0.00098676	0.00569491	0.02970356	0.00048860	0.01242905	
RelInt RSD	*85.54319341*	*24.54459950*	*1.22798051*	*0.25886226*	*5.11822960*	*0.45931567*	
RelInt SD	*0.00016339*	*0.00024220*	*0.00006993*	*0.00007689*	*0.00002501*	*0.00005709*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L2,S16949				Sample Type: Calibration Sample			
Measure Date: 2022-06-24 09:52:38		Recalculation Date:		State: Measured		Quality:	

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	46898.65200	2940.25230	5984.69480	16209.06500	57823.49600	1290.28990	20795.34400
Int RSD	*0.22198141*	*6.41270275*	*1.19870612*	*0.08013324*	*0.48339158*	*4.48176747*	*0.87321248*
Int SD	*104.10629000*	*188.54964000*	*71.73890300*	*12.98884900*	*279.51391000*	*57.82779300*	*181.58754000*
RelInt Mean	0.00003205	0.00267782	0.00169498	0.00649963	0.03297336	0.00284182	0.00924600
RelInt RSD	*8.84184626*	*2.90200883*	*2.96185441*	*0.40668978*	*0.47795197*	*14.86790113*	*1.12254949*
RelInt SD	*0.00000283*	*0.00007771*	*0.00005020*	*0.00002643*	*0.00015760*	*0.00042252*	*0.00010379*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	27430.69700	139922	91260.74700	467.62127000	2627.04910	220781	24963.28400
Int RSD	*0.18674512*	*0.26642375*	*0.17698502*	*12.60163337*	*6.97196257*	*0.65176226*	*0.24887679*
Int SD	*51.22548700*	*372.78571000*	*161.51785000*	*58.92791800*	*183.15688000*	*1438.96860*	*62.12781900*
RelInt Mean	0.01389047	0.00296243	0.05412511	0.00015666	-0.00024935	0.13775285	0.01344141
RelInt RSD	*0.47561320*	*0.41307893*	*0.49732281*	*102.10288762*	*66.57564609*	*0.86802937*	*0.20080771*
RelInt SD	*0.00006606*	*0.00001224*	*0.00026918*	*0.00015995*	*0.00016600*	*0.00119574*	*0.00002699*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	11341.11500	25540.40800	11902.58400	13394.96500	10355.48800	11767.20100	183021
Int RSD	*4.17810533*	*0.30352221*	*1.34669026*	*0.41439893*	*0.37218500*	*0.16176461*	*0.25184595*
Int SD	*473.84373000*	*77.52081000*	*160.29094000*	*55.50859200*	*38.54157300*	*19.03516700*	*460.92989000*
RelInt Mean	0.00500108	0.01205199	0.00337092	0.00562024	0.00441426	0.00547460	0.53882120
RelInt RSD	*5.04130714*	*0.73178498*	*3.31747959*	*0.68965014*	*0.08414990*	*0.13414156*	*0.21304589*
RelInt SD	*0.00025212*	*0.00008819*	*0.00011183*	*0.00003876*	*0.00000371*	*0.00000734*	*0.00114794*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	392217	7409.67100	20189.48400	1558149	33383157	338066	131304
Int RSD	*0.36484759*	*0.72835699*	*0.47285069*	*0.31524716*	*0.08775070*	*0.10773300*	*0.20755454*
Int SD	*1430.99370*	*53.96885700*	*95.46611500*	*4912.02020*	*29293.95500*	*364.20880000*	*272.52692000*
RelInt Mean	0.01027146	0.00262458	0.00029689	---	---	---	0.08182909
RelInt RSD	*0.41225597*	*1.20436964*	*2.41451076*	---	---	---	*0.51791726*
RelInt SD	*0.00004234*	*0.00003161*	*0.00000717*	---	---	---	*0.00042381*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	4590.27320	11108.70100	7402.13580	3698.72160	27247.46400	4192.41050	
Int RSD	*2.35847596*	*3.64991433*	*0.70547991*	*0.93532192*	*0.34831329*	*1.14266074*	
Int SD	*108.26049000*	*405.45807000*	*52.22058100*	*34.59495400*	*94.90653700*	*47.90502900*	
RelInt Mean	0.01262738	0.01095055	0.00062261	0.00018710	0.01342303	0.00001762	
RelInt RSD	*4.45013173*	*1.40859160*	*8.09946883*	*16.60963817*	*0.44879932*	*184.24136441*	
RelInt SD	*0.00056193*	*0.00015425*	*0.00005043*	*0.00003108*	*0.00006024*	*0.00003246*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L3,S16948				Sample Type: Calibration Sample			
Measure Date: 2022-06-24 09:55:55		Recalculation Date:		State: Measured		Quality:	

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	47834.37100	9272.26010	30142.98900	108498	514825	1269.88860	144797
Int RSD	*0.65072786*	*4.11461635*	*0.18850710*	*0.26645016*	*0.32085087*	*7.94774833*	*0.15259905*
Int SD	*311.27158000*	*381.51793000*	*56.82167400*	*289.09222000*	*1651.82190*	*100.92755000*	*220.95913000*
RelInt Mean	0.00003093	0.02128832	0.01691343	0.06488655	0.32228275	0.00261944	0.08764732
RelInt RSD	*17.10714960*	*4.39324251*	*0.22078010*	*0.50451143*	*0.32479231*	*11.32344628*	*0.20741953*
RelInt SD	*0.00000529*	*0.00093525*	*0.00003734*	*0.00032736*	*0.00104675*	*0.00029661*	*0.00018180*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	215150	1016910	842376	460.48044000	2760.83630	2157420	210560
Int RSD	*0.06842180*	*0.37467374*	*0.17821517*	*15.72499236*	*6.47872712*	*0.48035862*	*0.13831545*
Int SD	*147.20944000*	*3810.09400*	*1501.24100*	*72.41051400*	*178.86705000*	*10363.35400*	*291.23656000*
RelInt Mean	0.13256582	0.02890362	0.52969794	0.00011744	-0.00000482	1.36413320	0.13086321
RelInt RSD	*0.28947850*	*0.37608811*	*0.30293710*	*111.71884978*	*4525.93521*	*0.16907830*	*0.27638839*
RelInt SD	*0.00038375*	*0.00010870*	*0.00160465*	*0.00013121*	*0.00021804*	*0.00230645*	*0.00036169*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	11201.67400	190538	60263.84100	95779.61300	71197.82600	87950.30600	1803864
Int RSD	*2.04480866*	*0.19511854*	*0.09452185*	*0.21589787*	*0.52872805*	*0.24562016*	*0.48618572*
Int SD	*229.05280000*	*371.77437000*	*56.96250000*	*206.78614000*	*376.44288000*	*216.02368000*	*8770.12970*
RelInt Mean	0.00437810	0.11639532	0.03388750	0.05769912	0.04289362	0.05365719	5.30118730
RelInt RSD	*4.90379992*	*0.20113255*	*0.38154941*	*0.19214848*	*0.71628809*	*0.61761574*	*0.40963561*
RelInt SD	*0.00021469*	*0.00023411*	*0.00012930*	*0.00011087*	*0.00030724*	*0.00033140*	*0.02171555*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3495649	44324.20700	101063	1583981	33715493	342013	1285097
Int RSD	*0.53096146*	*0.09499110*	*0.71049778*	*0.36824519*	*0.19837129*	*0.21528710*	*0.40993193*
Int SD	*18560.55100*	*42.10405100*	*718.05122000*	*5832.93270*	*66881.86000*	*736.30931000*	*5268.02170*
RelInt Mean	0.10224619	0.02594225	0.00268843	---	---	---	0.81235908
RelInt RSD	*0.58724593*	*0.27179243*	*0.54774203*	---	---	---	*0.10018941*
RelInt SD	*0.00060044*	*0.00007051*	*0.00001473*	---	---	---	*0.00081390*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	46423.49700	42560.82700	8996.62420	4154.81670	206742	4456.98870	
Int RSD	*1.77864765*	*2.62162082*	*0.60253932*	*1.97614882*	*0.13493689*	*0.53262468*	
Int SD	*825.71044000*	*1115.78350*	*54.20819800*	*82.10536100*	*278.97106000*	*23.73902200*	
RelInt Mean	0.13535310	0.10271409	0.00155607	0.00042978	0.12688822	0.00011622	
RelInt RSD	*1.80984477*	*2.19430898*	*1.90951415*	*12.37936885*	*0.35573512*	*17.16493970*	
RelInt SD	*0.00244968*	*0.00225386*	*0.00002971*	*0.00005320*	*0.00045139*	*0.00001995*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L4,S16947			Sample Type: Calibration Sample
Measure Date: 2022-06-24 09:59:13	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	54147.26300	69913.31300	263444	1020116	4850538	1334.59560	1312819
Int RSD	*0.33329879*	*0.82902667*	*0.14222613*	*0.33905392*	*0.35211831*	*3.71357698*	*0.11810264*
Int SD	*180.47217000*	*579.60001000*	*374.68580000*	*3458.74160*	*17079.63200*	*49.56123500*	*1550.47350*
RelInt Mean	-0.00003247	0.20191959	0.16666553	0.65192604	3.11601110	0.00292273	0.83935320
RelInt RSD	*55.18674550*	*0.99764134*	*0.64803226*	*0.64529838*	*0.31815720*	*8.62989934*	*0.45231160*
RelInt SD	*0.00001792*	*0.00201443*	*0.00108005*	*0.00420687*	*0.00991381*	*0.00025223*	*0.00379649*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	1980096	9350798	7823983	528.85204000	2677.11690	19988377	2021871
Int RSD	*0.40902542*	*0.88603732*	*0.32715831*	*22.61326060*	*2.07334200*	*0.20644126*	*0.38673089*
Int SD	*8099.09400*	*82851.56300*	*25596.81200*	*119.59069000*	*55.50578900*	*41264.25700*	*7819.19890*
RelInt Mean	1.26830900	0.28640901	5.02910100	0.00029810	-0.00014917	12.85698100	1.29726540
RelInt RSD	*0.19195995*	*0.96906532*	*0.28266273*	*98.07327755*	*245.25001366*	*0.36802450*	*0.18002660*
RelInt SD	*0.00243465*	*0.00277549*	*0.01421539*	*0.00029236*	*0.00036583*	*0.04731684*	*0.00233542*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	10906.98000	1730461	505954	894046	4520.40390	818108	16414193
Int RSD	*1.30329349*	*0.41016325*	*0.18499280*	*0.27196840*	*0.52207045*	*0.22769364*	*0.29590582*
Int SD	*142.14996000*	*7097.71390*	*935.97892000*	*2431.52190*	*23.59969300*	*1862.77980*	*48570.55200*
RelInt Mean	0.00346010	1.10758580	0.32004752	0.57082204	0.00001167	0.52364221	48.92253200
RelInt RSD	*4.29217393*	*0.24959435*	*0.53868341*	*0.76191133*	*238.97916496*	*0.53432763*	*0.25793965*
RelInt SD	*0.00014851*	*0.00276447*	*0.00172404*	*0.00434916*	*0.00002788*	*0.00279796*	*0.12619061*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	33274326	390027	872165	1563212	32461781	337614	11965054
Int RSD	*0.32629644*	*0.25892958*	*0.18011946*	*0.56217745*	*0.31858249*	*0.38468267*	*0.91940805*
Int SD	*108573*	*1009.89550*	*1570.93820*	*8788.02250*	*103418*	*1298.74410*	*110008*
RelInt Mean	1.02399980	0.24731407	0.02650137	---	---	---	7.69419710
RelInt RSD	*0.50805939*	*0.56967240*	*0.48391064*	---	---	---	*0.37046598*
RelInt SD	*0.00520253*	*0.00140888*	*0.00012824*	---	---	---	*0.02850438*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	450580	338882	23699.72400	8604.51330	1940010	6938.22450	
Int RSD	*0.60309355*	*0.28623360*	*0.35630643*	*1.26926296*	*0.37657133*	*0.53507281*	
Int SD	*2717.41880*	*969.99275000*	*84.44364000*	*109.21390000*	*7305.52250*	*37.12455300*	
RelInt Mean	1.34090120	0.98291142	0.01064082	0.00261198	1.24182510	0.00115666	
RelInt RSD	*0.43497530*	*0.21120410*	*0.87604434*	*2.67081336*	*0.30423801*	*2.17878936*	
RelInt SD	*0.00583259*	*0.00207595*	*0.00009322*	*0.00006976*	*0.00377810*	*0.00002520*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L5,S16645			Sample Type: Calibration Sample
Measure Date: 2022-06-24 10:02:29	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	1509568	2394.10150	3367.63700	10347.83500	7207.94560	1222.47650	6579.50590
Int RSD	*0.48570579*	*3.75466792*	*1.13379082*	*3.86337210*	*0.31094169*	*1.49253977*	*0.67637514*
Int SD	*7332.06020*	*89.89056100*	*38.18195900*	*399.77537000*	*22.41250800*	*18.24594800*	*44.50214200*
RelInt Mean	0.04368565	0.00087463	0.00000054	0.00267982	0.00030590	0.00255143	0.00006880
RelInt RSD	*0.91738759*	*18.33685661*	*2920.74218*	*9.61721145*	*5.69333021*	*6.81504937*	*10.67695479*
RelInt SD	*0.00040077*	*0.00016038*	*0.00001576*	*0.00025772*	*0.00001742*	*0.00017388*	*0.00000735*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6069.43670	47771.45400	11934.99500	550.73970000	2832.93220	8639.38990	6995.76450
Int RSD	*1.17917655*	*2.14410619*	*5.12729867*	*28.18175083*	*7.10620219*	*1.50567333*	*15.89455162*
Int SD	*71.56937400*	*1024.27070*	*611.94284000*	*155.20809000*	*201.31389000*	*130.08099000*	*1111.94540*
RelInt Mean	0.00010262	0.00020410	0.00293436	0.00026739	0.00012449	0.00092189	0.00184666
RelInt RSD	*55.15491244*	*15.16234509*	*13.55344012*	*98.42101876*	*331.12505078*	*11.44434466*	*38.77227089*
RelInt SD	*0.00005660*	*0.00003095*	*0.00039771*	*0.00026317*	*0.00041222*	*0.00010550*	*0.00071599*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	10976.04400	7204.13590	6645.66350	5823.39810	3535.60260	4071.02940	2739.11100
Int RSD	*0.43050005*	*0.36514900*	*1.11213929*	*7.14069419*	*0.80428239*	*5.64366030*	*4.78628285*
Int SD	*47.25187500*	*26.30583000*	*73.90903500*	*415.83105000*	*28.43622900*	*229.75507000*	*131.10160000*
RelInt Mean	0.00340152	0.00022486	-0.00002548	0.00072569	0.00000615	0.00050050	0.00228192
RelInt RSD	*16.75419043*	*1.82797159*	*152.41769478*	*36.93676940*	*304.85933219*	*30.68390667*	*17.69728989*
RelInt SD	*0.00056990*	*0.00000411*	*0.00003883*	*0.00026804*	*0.00001875*	*0.00015357*	*0.00040384*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	92272.87100	3901.38910	11455.63800	1566264	33515608	338387	6438.58480
Int RSD	*19.74614185*	*10.18152406*	*0.32141898*	*0.31944278*	*0.40126436*	*0.47312529*	*1.51158638*
Int SD	*18220.33200*	*397.22087000*	*36.82059500*	*5003.31670*	*134486*	*1600.99240*	*97.32477100*
RelInt Mean	0.00128015	0.00036444	0.00003417	---	---	---	0.00129007
RelInt RSD	*42.98301023*	*77.49108958*	*11.48617432*	---	---	---	*5.62622985*
RelInt SD	*0.00055025*	*0.00028241*	*0.00000392*	---	---	---	*0.00007258*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	239.74886000	7821.55500	7255.18850	3745.53860	6731.09500	4233.07600	
Int RSD	*19.31300070*	*3.13854956*	*0.48345630*	*0.23349962*	*0.15393280*	*1.04025876*	
Int SD	*46.30269900*	*245.48338000*	*35.07566600*	*8.74581830*	*10.36136300*	*44.03494400*	
RelInt Mean	-0.00028851	0.00100291	0.00048842	0.00020712	0.00018379	0.00003433	
RelInt RSD	*67.95212841*	*15.03855685*	*5.43295243*	*9.08441545*	*4.02845681*	*102.98694060*	
RelInt SD	*0.00019605*	*0.00015082*	*0.00002654*	*0.00001882*	*0.00000740*	*0.00003536*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L6,S16518			Sample Type: Calibration Sample
Measure Date: 2022-06-24 10:05:46	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	47526.80500	2469.14230	3427.50360	8456.74350	7111.35340	53878.22000	6666.60870
Int RSD	*0.67905398*	*6.52483212*	*1.03711340*	*1.47256707*	*0.44562927*	*1.76480923*	*0.27277721*
Int SD	*322.73266000*	*161.10739000*	*35.54709900*	*124.53122000*	*31.69027200*	*950.84780000*	*18.18498900*
RelInt Mean	0.00003949	0.00030715	-0.00002192	0.00139709	0.00011116	0.16095247	0.00001167
RelInt RSD	*6.00652287*	*26.66917848*	*94.58691696*	*5.25099781*	*23.85962274*	*1.55780374*	*105.67284438*
RelInt SD	*0.00000237*	*0.00008191*	*0.00002073*	*0.00007336*	*0.00002652*	*0.00250732*	*0.00001234*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6175.56850	46608.43700	9344.62310	20007.63000	14225.14000	7787.03570	4636.85570
Int RSD	*0.86159103*	*0.69265670*	*0.95868723*	*3.89553975*	*2.15053961*	*0.69764421*	*2.35734315*
Int SD	*53.20814400*	*322.83646000*	*89.58570800*	*779.40518000*	*305.91727000*	*54.32580400*	*109.30660000*
RelInt Mean	0.00006812	0.00016635	0.00117195	0.05894144	0.03457635	0.00021233	0.00026764
RelInt RSD	*48.19335999*	*4.35403620*	*5.38486180*	*3.40874203*	*0.57078252*	*8.90674085*	*33.01478462*
RelInt SD	*0.00003283*	*0.00000724*	*0.00006311*	*0.00200916*	*0.00019736*	*0.00001891*	*0.00008836*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	376268	7259.73520	6818.74840	4989.60500	3629.08210	3598.93040	2147.55790
Int RSD	*0.32043455*	*0.80417603*	*1.08951596*	*1.02248370*	*1.67846183*	*0.99063024*	*6.08134710*
Int SD	*1205.69400*	*58.38105000*	*74.29135200*	*51.01789800*	*60.91275800*	*35.65209300*	*130.60045000*
RelInt Mean	1.10077590	0.00015372	-0.00002481	0.00010561	0.00000949	0.00013881	0.00067417
RelInt RSD	*0.49078870*	*24.69502320*	*151.92702717*	*16.44727814*	*264.50361014*	*30.95910598*	*35.60094884*
RelInt SD	*0.00540248*	*0.00003796*	*0.00003769*	*0.00001737*	*0.00002510*	*0.00004297*	*0.00024001*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	64758.22600	3398.05420	11507.30400	1524892	32053086	334528	5556.01840
Int RSD	*5.69992112*	*0.89740552*	*1.27800717*	*0.17923546*	*0.66111332*	*0.22437626*	*1.11083995*
Int SD	*3691.16780*	*30.49432600*	*147.06417000*	*2733.14750*	*211907*	*750.60046000*	*61.71847200*
RelInt Mean	0.00046182	0.00000046	0.00002906	---	---	---	0.00066664
RelInt RSD	*27.61912264*	*5973.48107*	*11.15549198*	---	---	---	*5.55137592*
RelInt SD	*0.00012755*	*0.00002772*	*0.00000324*	---	---	---	*0.00003701*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	260.78352000	7636.23910	831840	3775.93880	6756.45990	4324.69170	
Int RSD	*1.52169608*	*5.18866113*	*0.18940380*	*1.51864509*	*0.69625801*	*0.70861479*	
Int SD	*3.96833260*	*396.21857000*	*1575.53570*	*57.34310900*	*47.04239300*	*30.64540500*	
RelInt Mean	-0.00020016	0.00053770	0.54338124	0.00016112	0.00008560	0.00002679	
RelInt RSD	*61.56567889*	*41.75324856*	*0.09206269*	*31.48204286*	*29.16571924*	*45.43759364*	
RelInt SD	*0.00012323*	*0.00022451*	*0.00050025*	*0.00005072*	*0.00002497*	*0.00001217*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L7,S16675			Sample Type: Calibration Sample
Measure Date: 2022-06-24 10:09:02	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	46977.64900	2239.21960	3329.41730	7587.75620	6952.48580	1135.09380	6518.29840
Int RSD	*0.57329902*	*7.70167473*	*1.51599435*	*0.74391341*	*0.84369084*	*7.60102892*	*0.71989191*
Int SD	*269.32240000*	*172.45741000*	*50.47377800*	*56.44633600*	*58.65748600*	*86.27880800*	*46.92470300*
RelInt Mean	0.00004211	0.00047215	-0.00004789	0.00089003	0.00011631	0.00248492	-0.00000387
RelInt RSD	*17.56285891*	*69.45095252*	*41.68555350*	*4.37706343*	*24.00745572*	*15.68296082*	*962.57629890*
RelInt SD	*0.00000740*	*0.00032791*	*0.00001996*	*0.00003896*	*0.00002792*	*0.00038971*	*0.00003730*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6041.99390	45997.96700	8483.58140	479.60796000	2848.39330	7622.73770	4284.07010
Int RSD	*0.67238231*	*0.60430082*	*0.87118569*	*9.21217634*	*9.86867930*	*0.44441475*	*2.51446422*
Int SD	*40.62529800*	*277.96609000*	*73.90774700*	*44.18233100*	*281.09880000*	*33.87657100*	*107.72141000*
RelInt Mean	0.00007037	0.00015274	0.00067793	0.00012332	0.00025973	0.00024195	0.00008816
RelInt RSD	*44.44572103*	*4.44420721*	*7.48292398*	*117.19279563*	*236.32873103*	*3.83100460*	*78.40864490*
RelInt SD	*0.00003128*	*0.00000679*	*0.00005073*	*0.00014452*	*0.00061381*	*0.00000927*	*0.00006913*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	11445.20900	7105.17790	6665.93100	4790.30710	3542.42660	3467.20390	2089.17790
Int RSD	*1.38295413*	*0.53141087*	*0.26804904*	*0.13827253*	*0.55061691*	*1.55888233*	*6.32039091*
Int SD	*158.28199000*	*37.75768800*	*17.86796400*	*6.62367900*	*19.50520000*	*54.04962900*	*132.04421000*
RelInt Mean	0.00465816	0.00012842	-0.00003999	0.00005336	-0.00000618	0.00009587	0.00019833
RelInt RSD	*6.64537852*	*25.76269263*	*25.27793294*	*16.73039790*	*308.08862842*	*38.38066509*	*91.13569772*
RelInt SD	*0.00030955*	*0.00003308*	*0.00001011*	*0.00000893*	*0.00001903*	*0.00003680*	*0.00018075*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	51371.73900	3337.05660	11086.85000	1589301	33816424	341559	5283.69070
Int RSD	*0.93490518*	*0.51038631*	*1.52002047*	*0.37516912*	*0.54067482*	*0.56740355*	*0.90464871*
Int SD	*480.27705000*	*17.03188000*	*168.52239000*	*5962.56540*	*182837*	*1938.01880*	*47.79884000*
RelInt Mean	0.00006015	-0.00002036	0.00002553	---	---	---	0.00052226
RelInt RSD	*7.51366234*	*62.70441271*	*7.77038252*	---	---	---	*3.84249343*
RelInt SD	*0.00000452*	*0.00001277*	*0.00000198*	---	---	---	*0.00002007*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	311.98083000	7787.88610	7257.66480	446038	6574.86280	191569	
Int RSD	*11.06257683*	*4.98711133*	*0.57354579*	*0.21455288*	*0.38975580*	*0.37324638*	
Int SD	*34.51311900*	*388.39055000*	*41.62603100*	*956.98801000*	*25.62590900*	*715.02562000*	
RelInt Mean	-0.00021679	0.00060502	0.00043887	0.27963425	0.00003357	0.11842324	
RelInt RSD	*37.65199728*	*38.08104192*	*3.45427505*	*0.46511785*	*40.12404142*	*0.62376261*	
RelInt SD	*0.00008163*	*0.00023040*	*0.00001516*	*0.00130063*	*0.00001347*	*0.00073868*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L8,S16519			Sample Type: Calibration Sample	
Measure Date: 2022-06-24 10:12:19	Recalculation Date:	State: Measured	Quality:	

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	47518.50300	5959.66280	3881.63850	10691.82100	7756.68070	969028	7181.14720
Int RSD	*0.83111004*	*1.60815312*	*0.91287442*	*0.74924502*	*0.37443835*	*0.61168182*	*0.56417104*
Int SD	*394.93105000*	*95.84050300*	*35.43448500*	*80.10793600*	*29.04398700*	*5927.36910*	*40.51395300*
RelInt Mean	0.00004022	-0.00206354	-0.00002460	0.00252836	0.00022684	3.01946690	0.00001699
RelInt RSD	*3.88373240*	*40.04792777*	*113.60272184*	*2.94051046*	*18.80553038*	*0.67406723*	*236.33940502*
RelInt SD	*0.00000156*	*0.00082641*	*0.00002795*	*0.00007435*	*0.00004266*	*0.02035324*	*0.00004017*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6889.94440	47405.10200	9344.92910	77177.90500	210904	8588.26330	4684.49970
Int RSD	*0.30091477*	*0.52152990*	*0.34917610*	*0.93794578*	*0.81393200*	*0.36526736*	*0.60128257*
Int SD	*20.73286000*	*247.23178000*	*32.63025900*	*723.88690000*	*1716.61450*	*31.37012300*	*28.16708000*
RelInt Mean	0.00006245	0.00017605	0.00068424	0.23903537	0.64658180	0.00032185	0.00000063
RelInt RSD	*41.19633652*	*1.31035828*	*4.26460604*	*0.96967729*	*0.57135536*	*4.62422420*	*4686.79149*
RelInt SD	*0.00002573*	*0.00000231*	*0.00002918*	*0.00231787*	*0.00369428*	*0.00001488*	*0.00002973*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	1336443	7837.35750	7338.76590	5232.57700	3963.56810	3782.83930	2807.85100
Int RSD	*0.42411157*	*0.82889831*	*0.40559242*	*0.70627664*	*1.26778836*	*0.58140791*	*1.41771999*
Int SD	*5668.00770*	*64.96372400*	*29.76547800*	*36.95646900*	*50.24965500*	*21.99372700*	*39.80746500*
RelInt Mean	4.12873370	0.00016019	-0.00002858	0.00003122	0.00000506	0.00001424	0.00252784
RelInt RSD	*0.64436273*	*38.20356220*	*116.05612917*	*89.12768829*	*953.77470371*	*43.89117490*	*7.32324056*
RelInt SD	*0.02660402*	*0.00006120*	*0.00003316*	*0.00002783*	*0.00004827*	*0.00000625*	*0.00018512*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	55361.41900	3740.85340	12766.93900	1423888	29631835	322921	5824.30230
Int RSD	*0.49024164*	*0.50399620*	*0.62995299*	*0.43307867*	*0.73014921*	*0.55149529*	*0.14207311*
Int SD	*271.40473000*	*18.85375900*	*80.42571400*	*6166.55440*	*216357*	*1780.89190*	*8.27476770*
RelInt Mean	0.00011995	0.00001025	0.00002859	---	---	---	0.00066112
RelInt RSD	*7.81657634*	*196.83174070*	*13.26064669*	---	---	---	*1.68581990*
RelInt SD	*0.00000938*	*0.00002017*	*0.00000379*	---	---	---	*0.00001115*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	232.57449000	7640.83760	8318.01190	4088.52910	7246.16780	4832.21150	
Int RSD	*55.92208329*	*0.90727756*	*0.64954980*	*0.37327280*	*0.36527310*	*0.32545181*	
Int SD	*130.06050000*	*69.32360500*	*54.02963000*	*15.26136700*	*26.46830200*	*15.72652000*	
RelInt Mean	-0.00030652	0.00062257	0.00062510	0.00017036	0.00007495	0.00006818	
RelInt RSD	*137.16882360*	*64.22959432*	*5.47106204*	*3.34270269*	*8.27100874*	*29.77421275*	
RelInt SD	*0.00042044*	*0.00039987*	*0.00003420*	*0.00000569*	*0.00000620*	*0.00002030*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICV,S16870			Sample Type: Control Sample
Measure Date: 2022-06-24 10:15:44	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	374864	7763.61620	29357.55600	108555	456368	484712	244495
Int RSD	*0.21987620*	*2.94482319*	*0.70203868*	*0.66180121*	*0.07675731*	*0.54841104*	*0.15051802*
Int SD	*824.23756000*	*228.62477000*	*206.10140000*	*718.42082000*	*350.29545000*	*2658.21460*	*368.00902000*
RelInt Mean	0.01075890	0.01105074	0.01753366	0.06992218	0.30875822	1.49911460	0.16315173
RelInt RSD	*0.72788060*	*4.64592963*	*0.65962531*	*0.79966418*	*0.18069250*	*0.10019626*	*0.29893378*
RelInt SD	*0.00007831*	*0.00051341*	*0.00011566*	*0.00055914*	*0.00055790*	*0.00150206*	*0.00048772*
Conc Mean	0.49151720[mg/l]	1.05451360[mg/l]	1.05295510[mg/l]	1.07093890[mg/l]	0.98642434[mg/l]	99.19270600[mg/l]	0.96967853[mg/l]
Conc RSD	*0.72992831*	*4.83069569*	*0.65896629*	*0.80107016*	*0.18118951*	*0.10038060*	*0.29794164*
Conc SD	*0.00358772[mg/l]*	*0.05094034[mg/l]*	*0.00693862[mg/l]*	*0.00857897[mg/l]*	*0.00178730[mg/l]*	*0.09957023[mg/l]*	*0.00288908[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	182016	887584	379860	43075.11100	113119	1852961	202081
Int RSD	*0.28432985*	*0.60350358*	*0.10344100*	*1.29575738*	*0.38407888*	*0.11192610*	*0.18738660*
Int SD	*517.52651000*	*5356.60350*	*392.93054000*	*558.14893000*	*434.46454000*	*2073.94700*	*378.67303000*
RelInt Mean	0.12046790	0.02774085	0.25562122	0.13174148	0.34034521	1.26896810	0.13578761
RelInt RSD	*0.22584388*	*0.96125278*	*0.05805291*	*1.75997051*	*0.80397497*	*0.11666841*	*0.13246938*
RelInt SD	*0.00027207*	*0.00026666*	*0.00014840*	*0.00231861*	*0.00273629*	*0.00148048*	*0.00017988*
Conc Mean	0.94884962[mg/l]	0.96358479[mg/l]	1.01444150[mg/l]	110.17435000[mg/l]	105.24936000[mg/l]	0.98628022[mg/l]	1.04659680[mg/l]
Conc RSD	*0.22598353*	*0.96672238*	*0.05814941*	*1.76186617*	*0.80408600*	*0.11667884*	*0.13247569*
Conc SD	*0.00214424[mg/l]*	*0.00931519[mg/l]*	*0.00058989[mg/l]*	*1.94112460[mg/l]*	*0.84629537[mg/l]*	*0.00115078[mg/l]*	*0.00138649[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	711705	162737	52961.86000	33776.59200	24277.17300	372968	336513
Int RSD	*0.54348614*	*0.16212280*	*0.49711997*	*0.69881310*	*0.69123435*	*0.21819232*	*0.40960376*
Int SD	*3868.01680*	*263.83302000*	*263.28398000*	*236.03525000*	*167.81216000*	*813.78732000*	*1378.36830*
RelInt Mean	2.16936710	0.10663582	0.03137177	0.01964486	0.01400511	0.25400194	1.03547150
RelInt RSD	*0.37090691*	*0.31064420*	*0.73384379*	*0.97449058*	*0.64805584*	*0.09462519*	*0.03800339*
RelInt SD	*0.00804633*	*0.00033126*	*0.00023022*	*0.00019144*	*0.00009076*	*0.00024035*	*0.00039351*
Conc Mean	104.57637000[mg/l]	0.96098385[mg/l]	0.97992557[mg/l]	1.02851220[mg/l]	0.97898256[mg/l]	4.84941290[mg/l]	0.97662515[mg/l]
Conc RSD	*0.37162226*	*0.31110726*	*0.73397004*	*0.97707679*	*0.64831471*	*0.09462577*	*0.03799425*
Conc SD	*0.38862907[mg/l]*	*0.00298969[mg/l]*	*0.00719236[mg/l]*	*0.01004935[mg/l]*	*0.00634689[mg/l]*	*0.00458879[mg/l]*	*0.00037106[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3203785	15644.31900	170540	1462255	30456345	325160	390932
Int RSD	*0.85367350*	*0.35982351*	*0.46418604*	*0.14942504*	*0.41037600*	*0.46635687*	*0.24766079*
Int SD	*27349.86700*	*56.29193800*	*791.62125000*	*2184.97520*	*124986*	*1516.40600*	*968.18640000*
RelInt Mean	0.10358986	0.00812450	0.00522792	---	---	---	0.26543723
RelInt RSD	*1.16890958*	*0.65675268*	*0.74760410*	---	---	---	*0.38449275*
RelInt SD	*0.00121087*	*0.00005336*	*0.00003908*	---	---	---	*0.00102059*
Conc Mean	1.01159760[mg/l]	0.98310576[mg/l]	0.98157738[mg/l]	1453684	30382904	322953	0.97926801[mg/l]
Conc RSD	*1.16895878*	*0.65536195*	*0.75205425*	---	---	---	*0.38488890*
Conc SD	*0.01182516[mg/l]*	*0.00644290[mg/l]*	*0.00738199[mg/l]*	*2174.56330*	*124824*	*1514.97390*	*0.00376909[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	89652.34100	39785.29200	426851	223997	373558	4921.26360	
Int RSD	*0.53070256*	*0.67258793*	*0.02196366*	*0.14840078*	*0.08132475*	*0.76194559*	
Int SD	*475.78727000*	*267.59107000*	*93.75207700*	*332.41395000*	*303.79485000*	*37.49735100*	
RelInt Mean	0.27621474	0.09941699	0.28841125	0.15124498	0.25180968	0.00016413	
RelInt RSD	*0.75504240*	*1.09189272*	*0.12728291*	*0.11854859*	*0.11041891*	*10.00145556*	
RelInt SD	*0.00208554*	*0.00108553*	*0.00036710*	*0.00017930*	*0.00027805*	*0.00001642*	
Conc Mean	1.03101120[mg/l]	1.00660210[mg/l]	5.28051390[mg/l]	5.40539120[mg/l]	1.00968060[mg/l]	0.01414650[mg/l]	
Conc RSD	*0.75395873*	*1.09723057*	*0.12797683*	*0.11870380*	*0.10949040*	*9.79829071*	
Conc SD	*0.00777340[mg/l]*	*0.01104475[mg/l]*	*0.00675783[mg/l]*	*0.00641640[mg/l]*	*0.00110550[mg/l]*	*0.00138612[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 464779 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482252582013 File : met06_master Time : 24-JUN-2022 10:35
Cal : 482252582001 Caldate : 24-JUN-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33514014	34287243	2.31
Yttrium	A	1559261	1634576	4.83
Yttrium	R	337694	346227	2.53

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICB,1			Sample Type: Control Sample
Measure Date: 2022-06-24 10:35:27	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	48329.20300	2469.03380	3410.03150	6853.25500	7006.07920	1375.42040	6653.43430
Int RSD	*0.33005303*	*2.52119153*	*0.40605153*	*0.44488186*	*0.24233346*	*9.23491901*	*0.19873789*
Int SD	*159.51200000*	*62.24907100*	*13.84648500*	*30.48888800*	*16.97807400*	*127.01896000*	*13.22289500*
RelInt Mean	0.00004109	0.00044623	-0.00003251	0.00032051	0.00007294	0.00287961	-0.00000238
RelInt RSD	*3.61438817*	*64.54736586*	*42.68258142*	*12.24661471*	*19.25395182*	*21.31605937*	*399.61456384*
RelInt SD	*0.00000149*	*0.00028803*	*0.00001387*	*0.00003925*	*0.00001404*	*0.00061382*	*0.00000950*
Conc Mean	<0.00049920[mg/l]	<0.00233729[mg/l]	<0.00022846[mg/l]	0.00303747[mg/l]	<-0.00006184[mg/l]	<0.00970220[mg/l]	<-0.00003858[mg/l]
Conc RSD	*13.62981388*	*1222.70243*	*364.33651132*	*19.82685556*	*73.18897323*	*419.38033475*	*146.68067954*
Conc SD	*0.00006804[mg/l]*	*0.02857814[mg/l]*	*0.00083237[mg/l]*	*0.00060223[mg/l]*	*0.00004526[mg/l]*	*0.04068913[mg/l]*	*0.00005659[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6150.07150	46837.66200	7671.30710	701.10894000	3032.20000	7423.88310	4215.79870
Int RSD	*1.03286998*	*0.28807234*	*0.04941714*	*21.74240140*	*6.75132874*	*0.21518747*	*0.13288143*
Int SD	*63.52224200*	*134.92635000*	*3.79094030*	*152.43792000*	*204.71379000*	*15.97526600*	*5.60201340*
RelInt Mean	0.00003374	0.00013933	0.00002990	0.00054830	0.00010799	-0.00000895	-0.00001616
RelInt RSD	*95.39284526*	*5.20126067*	*68.70183455*	*55.04993543*	*459.55191264*	*338.26006950*	*92.09108756*
RelInt SD	*0.00003219*	*0.00000725*	*0.00002054*	*0.00030184*	*0.00049627*	*0.00003026*	*0.00001488*
Conc Mean	<-0.00032348[mg/l]	<-0.00061458[mg/l]	<-0.00152843[mg/l]	<0.34038788[mg/l]	<0.01914013[mg/l]	<-0.00008353[mg/l]	<-0.00015803[mg/l]
Conc RSD	*78.42364181*	*41.19237480*	*5.34274560*	*74.23775782*	*801.91562942*	*28.16051181*	*72.57161938*
Conc SD	*0.00025369[mg/l]*	*0.00025316[mg/l]*	*0.00008166[mg/l]*	*0.25269633[mg/l]*	*0.15348771[mg/l]*	*0.00002352[mg/l]*	*0.00011469[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	12257.53100	7234.92610	6798.03350	4783.24550	3605.55420	3373.99050	2135.24500
Int RSD	*2.08020530*	*0.31404091*	*0.45810917*	*0.41461618*	*0.79053223*	*0.55680009*	*3.73419149*
Int SD	*254.98181000*	*22.72062800*	*31.14241500*	*19.83211000*	*28.50306800*	*18.78638200*	*79.73413700*
RelInt Mean	0.00540936	0.00011882	-0.00004689	-0.00003371	0.00000680	0.00000450	-0.00004390
RelInt RSD	*12.56447534*	*22.39363862*	*81.71778877*	*17.81013496*	*398.35651481*	*225.19652816*	*469.15128389*
RelInt SD	*0.00067966*	*0.00002661*	*0.00003831*	*0.00000600*	*0.00002710*	*0.00001013*	*0.00020596*
Conc Mean	<0.05939201[mg/l]	<-0.00035474[mg/l]	<-0.00087707[mg/l]	<0.00003622[mg/l]	<0.00008558[mg/l]	<0.00002712[mg/l]	<0.00014342[mg/l]
Conc RSD	*55.27136580*	*67.69819565*	*136.20236448*	*867.36748400*	*2214.41345*	*713.03474538*	*135.41985879*
Conc SD	*0.03282677[mg/l]*	*0.00024015[mg/l]*	*0.00119459[mg/l]*	*0.00031413[mg/l]*	*0.00189513[mg/l]*	*0.00019337[mg/l]*	*0.00019422[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	50506.65100	3352.83230	11467.56500	1634576	34287243	346227	4996.78800
Int RSD	*0.04667404*	*0.44369395*	*1.29273172*	*0.71491866*	*0.36878882*	*0.12748934*	*0.68544635*
Int SD	*23.57349400*	*14.87631400*	*148.24485000*	*11685.88600*	*126448*	*441.40222000*	*34.25030100*
RelInt Mean	-0.00000791	-0.00001627	0.00002454	---	---	---	0.00026657
RelInt RSD	*31.43551202*	*85.95973725*	*22.13431188*	---	---	---	*3.54142002*
RelInt SD	*0.00000249*	*0.00001398*	*0.00000543*	---	---	---	*0.00000944*
Conc Mean	<-0.00011889[mg/l]	<0.00158530[mg/l]	<-0.00073648[mg/l]	1626390	34214731	343797	0.00032074[mg/l]
Conc RSD	*20.42827124*	*106.92810393*	*139.30422682*	---	---	---	*10.83498270*
Conc SD	*0.00002429[mg/l]*	*0.00169513[mg/l]*	*0.00102594[mg/l]*	*11622.35300*	*126317*	*519.97113000*	*0.00003475[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	395.71993000	8197.81070	7579.97950	3809.69790	6731.79700	4268.70560	
Int RSD	*36.09643062*	*2.79287249*	*0.08818065*	*1.49174456*	*0.45276451*	*0.46787799*	
Int SD	*142.84077000*	*228.95440000*	*6.68407500*	*56.83096100*	*30.47918800*	*19.97233400*	
RelInt Mean	-0.00001929	0.00060617	0.00056503	0.00019728	0.00004119	-0.00004386	
RelInt RSD	*1529.18210*	*107.34074347*	*3.43892161*	*15.66176194*	*27.06986443*	*30.02691447*	
RelInt SD	*0.00029495*	*0.00065067*	*0.00001943*	*0.00003090*	*0.00001115*	*0.00001317*	
Conc Mean	<0.00140662[mg/l]	<0.00124729[mg/l]	0.00264033[mg/l]	<-0.00008455[mg/l]	<0.00000293[mg/l]	<-0.00341647[mg/l]	
Conc RSD	*78.15516245*	*530.76738863*	*13.45756722*	*1307.82744*	*1611.05229*	*32.55258083*	
Conc SD	*0.00109935[mg/l]*	*0.00662023[mg/l]*	*0.00035532[mg/l]*	*0.00110571[mg/l]*	*0.00004718[mg/l]*	*0.00111215[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 464779 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482252582014 File : met06_master Time : 24-JUN-2022 10:38
Cal : 482252582001 Caldate : 24-JUN-2022
Standards: S16520, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.01468]	0.003333	mg/l	a- ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	145.3	mg/l	91	
Aluminum	R	400.0	368.7	mg/l	92	
Calcium	R	400.0	390.1	mg/l	98	
Magnesium	R	400.0	408.6	mg/l	102	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33514014	28952697	-13.61
Yttrium	A	1559261	1392676	-10.68
Yttrium	R	337694	315474	-6.58

-=low bias a=ICSA

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICSA,S16520			Sample Type: Control Sample
Measure Date: 2022-06-24 10:38:43	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	48903.10600	1176595	10108.19600	10131.21900	8884.67670	1845705	8410.82450
Int RSD	*0.24703770*	*0.26274423*	*0.22473390*	*0.43551931*	*0.65366099*	*0.49226923*	*1.04420979*
Int SD	*120.80911000*	*3091.43440*	*22.71654300*	*44.12341500*	*58.07566600*	*9085.83870*	*87.82665300*
RelInt Mean	0.00003598	3.71622320	-0.00006617	0.00088133	0.00018725	5.88765130	0.00014665
RelInt RSD	*34.71206430*	*1.40442245*	*38.25359869*	*3.00417323*	*26.51462424*	*1.50537847*	*28.02877915*
RelInt SD	*0.00001249*	*0.05219147*	*0.00002531*	*0.00002648*	*0.00004965*	*0.08863144*	*0.00004110*
Conc Mean	<0.00026494[mg/l]	>368.68047000[mg/l]	<-0.00178821[mg/l]	0.01164212[mg/l]	0.00030859[mg/l]	>390.10171000[mg/l]	0.00084461[mg/l]
Conc RSD	*215.94566446*	*1.40458319*	*84.89217613*	*3.48931651*	*51.41669433*	*1.50607809*	*29.02256204*
Conc SD	*0.00057213[mg/l]*	*5.17842390[mg/l]*	*0.00151805[mg/l]*	*0.00040623[mg/l]*	*0.00015867[mg/l]*	*5.87523640[mg/l]*	*0.00024513[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7905.47790	50602.12900	50546410	423.57823000	418101	13585.13100	14415.65800
Int RSD	*0.96667630*	*0.68343063*	*0.40662306*	*13.79966081*	*0.83392597*	*0.46670575*	*1.13726331*
Int SD	*76.42038100*	*345.83045000*	*205533*	*58.45235900*	*3486.65050*	*63.40258800*	*163.94399000*
RelInt Mean	-0.00027440	0.00018185	36.55364500	0.00013425	1.32122050	0.00153088	-0.00014748
RelInt RSD	*13.43659382*	*5.07024255*	*0.24922555*	*66.17868344*	*0.52482986*	*3.34736403*	*57.71097615*
RelInt SD	*0.00003687*	*0.00000922*	*0.09110102*	*0.00008884*	*0.00693416*	*0.00005124*	*0.00008511*
Conc Mean	<-0.00275205[mg/l]	0.00087050[mg/l]	>145.29830000[mg/l]	<-0.00625392[mg/l]	>408.61923000[mg/l]	0.00111336[mg/l]	<-0.00117026[mg/l]
Conc RSD	*10.55879986*	*36.99940094*	*0.24922782*	*1189.29773*	*0.52484757*	*3.57760148*	*56.05913651*
Conc SD	*0.00029058[mg/l]*	*0.00032208[mg/l]*	*0.36212378[mg/l]*	*0.07437776[mg/l]*	*2.14462810[mg/l]*	*0.00003983[mg/l]*	*0.00065604[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	10814.45900	8658.00170	17147.43900	16937.86700	11579.58200	9800.44720	8041.06510
Int RSD	*2.77225084*	*1.06648927*	*0.52098040*	*0.19463803*	*0.70416893*	*1.01815190*	*1.08594900*
Int SD	*299.80393000*	*92.33665900*	*89.33479600*	*32.96753000*	*81.53981900*	*99.78343900*	*87.32186600*
RelInt Mean	0.00501719	-0.00004358	0.00186882	0.00009896	-0.00016930	-0.00022494	0.01953485
RelInt RSD	*9.08269181*	*97.95114910*	*5.88905102*	*47.60632401*	*57.71388950*	*50.09063983*	*1.53302892*
RelInt SD	*0.00045570*	*0.00004269*	*0.00011006*	*0.00004711*	*0.00009771*	*0.00011267*	*0.00029947*
Conc Mean	<0.04045063[mg/l]	<-0.00182044[mg/l]	<-0.01467907[mg/l]	0.00702193[mg/l]	<-0.01222940[mg/l]	<-0.00435336[mg/l]	0.01860600[mg/l]
Conc RSD	*54.41114761*	*21.16212228*	*30.23285120*	*35.24441095*	*55.87264168*	*49.41465524*	*1.51779802*
Conc SD	*0.02200965[mg/l]*	*0.00038524[mg/l]*	*0.00443790[mg/l]*	*0.00247484[mg/l]*	*0.00683289[mg/l]*	*0.00215120[mg/l]*	*0.00028240[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	61104.15200	10651.29300	14611.81500	1392676	28952697	315474	16928.08600
Int RSD	*1.17678681*	*0.66865302*	*0.79129786*	*0.60483244*	*0.68050641*	*1.28590370*	*1.28975136*
Int SD	*719.06560000*	*71.22019200*	*115.62298000*	*8423.35500*	*197025*	*4056.68760*	*218.33022000*
RelInt Mean	0.00023987	0.00025854	0.00001650	---	---	---	0.00076837
RelInt RSD	*9.94779713*	*17.15455549*	*32.93573638*	---	---	---	*26.64440451*
RelInt SD	*0.00002386*	*0.00004435*	*0.00000543*	---	---	---	*0.00020473*
Conc Mean	0.00230093[mg/l]	0.03489476[mg/l]	<-0.00225547[mg/l]	1382442	28868603	313283	0.00217542[mg/l]
Conc RSD	*10.12778346*	*15.40976736*	*45.49387929*	---	---	---	*34.75828516*
Conc SD	*0.00023303[mg/l]*	*0.00537720[mg/l]*	*0.00102610[mg/l]*	*8405.04100*	*196695*	*4184.82100*	*0.00075614[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	278.17422000	7195.17200	10646.10300	8219.56900	8786.94500	9898.03410	
Int RSD	*77.18918022*	*5.12891561*	*0.78227345*	*1.11726589*	*0.53291790*	*0.57484064*	
Int SD	*214.72040000*	*369.03430000*	*83.28163700*	*91.83444100*	*46.82720300*	*56.89792300*	
RelInt Mean	-0.00026402	0.00050803	0.00098769	0.00015822	-0.00023350	0.00006049	
RelInt RSD	*136.74072461*	*106.93337715*	*5.32418719*	*31.60727945*	*1.48043991*	*70.75591533*	
RelInt SD	*0.00036103*	*0.00054325*	*0.00005259*	*0.00005001*	*0.00000346*	*0.00004280*	
Conc Mean	<0.00049443[mg/l]	<0.00024877[mg/l]	0.01044740[mg/l]	<-0.00148242[mg/l]	<-0.00109552[mg/l]	0.00539522[mg/l]	
Conc RSD	*272.16185948*	*2221.83008*	*9.16123931*	*120.72324556*	*1.31801002*	*66.98717124*	
Conc SD	*0.00134565[mg/l]*	*0.00552735[mg/l]*	*0.00095711[mg/l]*	*0.00178963[mg/l]*	*0.00001444[mg/l]*	*0.00361411[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 464779 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482252582015 File : met06_master Time : 24-JUN-2022 10:42
Cal : 482252582001 Caldate : 24-JUN-2022
Standards: S16601, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	0.9614	mg/l	-4	20	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33514014	29272124	-12.66
Yttrium	A	1559261	1400842	-10.16
Yttrium	R	337694	316127	-6.39

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICSAB,S16601			Sample Type: Control Sample
Measure Date: 2022-06-24 10:42:00	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	711111	1155763	10096.25200	10164.28800	227915	1817483	115091
Int RSD	*0.15285001*	*0.89792096*	*0.58462292*	*0.55199146*	*0.24641453*	*1.12323987*	*0.21681935*
Int SD	*1086.93290*	*10377.84000*	*59.02500300*	*56.10600200*	*561.61584000*	*20414.69600*	*249.53964000*
RelInt Mean	0.02264606	3.64274090	-0.00005237	0.00085335	0.15761519	5.78636560	0.07668636
RelInt RSD	*0.59521939*	*1.10500730*	*74.17367483*	*2.11547694*	*0.62699529*	*1.32236537*	*0.49294021*
RelInt SD	*0.00013479*	*0.04025255*	*0.00003885*	*0.00001805*	*0.00098824*	*0.07651690*	*0.00037802*
Conc Mean	1.03610700[mg/l]	>361.38957000[mg/l]	<-0.00141950[mg/l]	0.01121294[mg/l]	0.50537032[mg/l]	>383.38764000[mg/l]	0.45657548[mg/l]
Conc RSD	*0.59601440*	*1.10513452*	*164.02020598*	*2.47018134*	*0.62749002*	*1.32298965*	*0.49295494*
Conc SD	*0.00617535[mg/l]*	*3.99384090[mg/l]*	*0.00232827[mg/l]*	*0.00027698[mg/l]*	*0.00317115[mg/l]*	*5.07217880[mg/l]*	*0.00225071[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	99671.46200	479554	48997855	494.44222000	405287	904387	14201.94100
Int RSD	*0.03027082*	*0.12818097*	*0.21547343*	*20.92978832*	*0.19412513*	*0.11639639*	*0.50824493*
Int SD	*30.17136700*	*614.69705000*	*105577*	*103.48571000*	*786.76326000*	*1052.67400*	*72.18064500*
RelInt Mean	0.06559219	0.01481962	35.23047800	0.00034837	1.27771410	0.64209192	-0.00024668
RelInt RSD	*0.55577854*	*0.53928883*	*0.87475313*	*58.54858673*	*0.07395886*	*0.56594900*	*26.67670025*
RelInt SD	*0.00036455*	*0.00007992*	*0.30817971*	*0.00020396*	*0.00094498*	*0.00363391*	*0.00006581*
Conc Mean	0.51635982[mg/l]	0.51220956[mg/l]	>140.03874000[mg/l]	<0.17300538[mg/l]	>395.16334000[mg/l]	0.49901536[mg/l]	<-0.00193491[mg/l]
Conc RSD	*0.55641279*	*0.54506085*	*0.87476308*	*98.69990170*	*0.07396260*	*0.56603524*	*26.21488873*
Conc SD	*0.00287309[mg/l]*	*0.00279185[mg/l]*	*1.22500720[mg/l]*	*0.17075614[mg/l]*	*0.29227307[mg/l]*	*0.00282460[mg/l]*	*0.00050723[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	11181.95300	153167	60712.74800	16994.24400	11526.30500	9847.54450	9612.29630
Int RSD	*1.42414389*	*0.30320851*	*0.48273358*	*0.98565297*	*0.87050386*	*1.15810464*	*2.55958464*
Int SD	*159.24710000*	*464.41511000*	*293.08082000*	*167.50427000*	*100.33693000*	*114.04487000*	*246.03486000*
RelInt Mean	0.00593411	0.10378012	0.03308442	0.00017615	-0.00012074	-0.00018311	0.02413688
RelInt RSD	*4.05970112*	*0.96965633*	*0.95499444*	*82.50283358*	*104.29106729*	*47.89788206*	*1.45049287*
RelInt SD	*0.00024091*	*0.00100631*	*0.00031595*	*0.00014533*	*0.00012592*	*0.00008770*	*0.00035010*
Conc Mean	<0.08473710[mg/l]	0.93521053[mg/l]	0.96144963[mg/l]	<0.00803298[mg/l]	<-0.00883318[mg/l]	<-0.00355467[mg/l]	0.02294568[mg/l]
Conc RSD	*13.73138395*	*0.97113337*	*0.97369438*	*94.91760765*	*99.68460736*	*47.10625629*	*1.43880764*
Conc SD	*0.01163558[mg/l]*	*0.00908214[mg/l]*	*0.00936158[mg/l]*	*0.00762471[mg/l]*	*0.00880532[mg/l]*	*0.00167447[mg/l]*	*0.00033014[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	67064.49500	10651.19900	92596.55700	1400842	29272124	316127	371369
Int RSD	*0.49873877*	*0.44804757*	*0.64768999*	*0.65356489*	*0.41641908*	*0.21298840*	*0.10078510*
Int SD	*334.47664000*	*47.72243800*	*599.73863000*	*9155.41350*	*121895*	*673.31394000*	*374.28466000*
RelInt Mean	0.00041091	0.00029354	0.00267478	---	---	---	0.25566357
RelInt RSD	*1.33771687*	*19.85896425*	*0.97542011*	---	---	---	*0.57990742*
RelInt SD	*0.00000550*	*0.00005829*	*0.00002609*	---	---	---	*0.00148261*
Conc Mean	0.00397127[mg/l]	0.03913617[mg/l]	0.49979601[mg/l]	1390447	29187306	313842	0.94338668[mg/l]
Conc RSD	*1.35174082*	*18.05940070*	*0.98590781*	---	---	---	*0.58032628*
Conc SD	*0.00005368[mg/l]*	*0.00706776[mg/l]*	*0.00492753[mg/l]*	*9155.13940*	*121698*	*629.71718000*	*0.00547472[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	42939.90800	7398.24120	11365.34600	8384.94830	368432	10242.00000	
Int RSD	*0.83234624*	*4.08722603*	*0.65219345*	*1.02994775*	*0.07242067*	*0.18701343*	
Int SD	*357.40871000*	*302.38284000*	*74.12404200*	*86.36058600*	*266.82110000*	*19.15391600*	
RelInt Mean	0.13556873	0.00062526	0.00147393	0.00030066	0.25810316	0.00029298	
RelInt RSD	*0.74629105*	*39.50826396*	*4.62099488*	*24.26334361*	*0.71634629*	*8.24148511*	
RelInt SD	*0.00101174*	*0.00024703*	*0.00006811*	*0.00007295*	*0.00184891*	*0.00002415*	
Conc Mean	0.50678259[mg/l]	<0.00144153[mg/l]	0.01942011[mg/l]	<0.00361507[mg/l]	1.03885130[mg/l]	0.02502638[mg/l]	
Conc RSD	*0.74411100*	*174.35661380*	*6.47791099*	*72.21531794*	*0.71587927*	*8.14685002*	
Conc SD	*0.00377102[mg/l]*	*0.00251341[mg/l]*	*0.00125802[mg/l]*	*0.00261063[mg/l]*	*0.00743692[mg/l]*	*0.00203886[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 464779 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482252582188 File : met06_master Time : 24-JUN-2022 21:42
Cal : 482252582001 Caldate : 24-JUN-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0322	0.0322	1.000	1.006	mg/l	1	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33514014	30821822	-8.03
Yttrium	A	1559261	1523573	-2.29
Yttrium	R	337694	323485	-4.21

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S16870	Sample Type: Control Sample		
Measure Date: 2022-06-24 21:42:19	Recalculation Date:	State: Check failed	Quality: Failed

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	388182	7837.05430	30947.91100	116476	478542	490073	262884
Int RSD	*0.52426034*	*1.24598190*	*0.41168947*	*0.38744053*	*0.05766629*	*0.17441611*	*0.15633045*
Int SD	*2035.08340*	*97.64827800*	*127.40929000*	*451.27484000*	*275.95728000*	*854.76570000*	*410.96805000*
RelInt Mean	0.01095620	0.01130151	0.01772154	0.07202311	0.31066804	1.52392670	0.16843325
RelInt RSD	*0.88422252*	*3.60686705*	*0.10582729*	*0.21717811*	*0.43117860*	*0.28637840*	*0.56660781*
RelInt SD	*0.00009688*	*0.00040763*	*0.00001875*	*0.00015642*	*0.00133953*	*0.00436420*	*0.00095436*
Conc Mean	0.50055614[mg/l]	1.07939460[mg/l]	1.06420780[mg/l]	1.10317350[mg/l]	0.99258122[mg/l]	100.83746000[mg/l]	1.00108660[mg/l]
Conc RSD	*0.88666802*	*3.74700346*	*0.10582556*	*0.21755048*	*0.43151817*	*0.28688947*	*0.56810113*
Conc SD	*0.00443827[mg/l]*	*0.04044495[mg/l]*	*0.00112620[mg/l]*	*0.00239996[mg/l]*	*0.00428317[mg/l]*	*0.28929205[mg/l]*	*0.00568718[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	193180	896739	397569	42874.83600	111701	1898204	209044
Int RSD	*0.07928887*	*0.74053955*	*0.48373555*	*1.05635655*	*0.53995383*	*0.32801023*	*0.13911832*
Int SD	*153.17011000*	*6640.70840*	*1923.18190*	*452.91114000*	*603.13167000*	*6226.30300*	*290.81824000*
RelInt Mean	0.12269972	0.02761332	0.25669406	0.13167489	0.33727762	1.24749920	0.13473126
RelInt RSD	*0.33929346*	*0.93005702*	*0.87593819*	*0.92395118*	*0.49154925*	*0.10299527*	*0.38942214*
RelInt SD	*0.00041631*	*0.00025682*	*0.00224848*	*0.00121661*	*0.00165789*	*0.00128487*	*0.00052467*
Conc Mean	0.96643923[mg/l]	0.95912981[mg/l]	1.01870600[mg/l]	110.11860000[mg/l]	104.30060000[mg/l]	0.96959269[mg/l]	1.03845460[mg/l]
Conc RSD	*0.33950373*	*0.93537335*	*0.87735593*	*0.92494674*	*0.49161537*	*0.10300433*	*0.38943500*
Conc SD	*0.00328110[mg/l]*	*0.00897144[mg/l]*	*0.00893768[mg/l]*	*1.01853840[mg/l]*	*0.51275778[mg/l]*	*0.00099872[mg/l]*	*0.00404411[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	709301	175979	56639.55300	35924.60400	25490.70200	395778	334502
Int RSD	*0.32462133*	*0.18782115*	*0.22164589*	*0.24503713*	*0.36438577*	*0.23399884*	*0.40771455*
Int SD	*2302.54360*	*330.52512000*	*125.53924000*	*88.02861800*	*92.88449200*	*926.11604000*	*1363.81490*
RelInt Mean	2.17265380	0.11078497	0.03221817	0.02005711	0.01407733	0.25870372	1.03463360
RelInt RSD	*0.50445331*	*0.58192135*	*0.14560615*	*0.66894887*	*0.57446930*	*0.39838612*	*0.59470474*
RelInt SD	*0.01096002*	*0.00064468*	*0.00004691*	*0.00013417*	*0.00008087*	*0.00103064*	*0.00615302*
Conc Mean	104.73512000[mg/l]	0.99843087[mg/l]	1.00634850[mg/l]	1.05007100[mg/l]	0.98403314[mg/l]	4.93918050[mg/l]	0.97583503[mg/l]
Conc RSD	*0.50542312*	*0.58275142*	*0.14610372*	*0.66957786*	*0.57469732*	*0.39839192*	*0.59459340*
Conc SD	*0.52935551[mg/l]*	*0.00581837[mg/l]*	*0.00147031[mg/l]*	*0.00703104[mg/l]*	*0.00565521[mg/l]*	*0.01967730[mg/l]*	*0.00580225[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3316818	16043.43000	177275	1523573	30821822	323485	425265
Int RSD	*0.28872788*	*0.07128669*	*1.00586039*	*0.39459144*	*0.40872701*	*0.20027780*	*0.15801104*
Int SD	*9576.57780*	*11.43683100*	*1783.13760*	*6011.88790*	*125977*	*647.86821000*	*671.96593000*
RelInt Mean	0.10592858	0.00789786	0.00535540	---	---	---	0.27726186
RelInt RSD	*0.26765832*	*0.42416022*	*1.10409236*	---	---	---	*0.25039134*
RelInt SD	*0.00028353*	*0.00003350*	*0.00005913*	---	---	---	*0.00069424*
Conc Mean	1.03443710[mg/l]	0.95559564[mg/l]	1.00565760[mg/l]	1514495	30744493	321159	1.02293430[mg/l]
Conc RSD	*0.26766883*	*0.42477870*	*1.11056198*	---	---	---	*0.25051316*
Conc SD	*0.00276887[mg/l]*	*0.00405917[mg/l]*	*0.01116845[mg/l]*	*5997.88020*	*126033*	*663.11211000*	*0.00256259[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	88511.88700	40069.68500	452388	241655	390594	5395.20590	
Int RSD	*0.18884067*	*0.38065939*	*0.10652440*	*0.19582967*	*0.18625261*	*0.25585365*	
Int SD	*167.14644000*	*152.52902000*	*481.90362000*	*473.23251000*	*727.49176000*	*13.80383100*	
RelInt Mean	0.27418146	0.09941984	0.29340056	0.15669681	0.25261252	0.00028717	
RelInt RSD	*0.02659810*	*0.75285829*	*0.31140492*	*0.55455985*	*0.36440484*	*0.93514782*	
RelInt SD	*0.00007293*	*0.00074849*	*0.00091366*	*0.00086898*	*0.00092053*	*0.00000269*	
Conc Mean	1.02343250[mg/l]	1.00663110[mg/l]	5.37258820[mg/l]	5.60049330[mg/l]	1.01287160[mg/l]	0.02453646[mg/l]	
Conc RSD	*0.02656131*	*0.75654268*	*0.31156996*	*0.55526877*	*0.36592838*	*0.92419531*	
Conc SD	*0.00027184[mg/l]*	*0.00761559[mg/l]*	*0.01673937[mg/l]*	*0.03109779[mg/l]*	*0.00370638[mg/l]*	*0.00022676[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 464779 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482252582189 File : met06_master Time : 24-JUN-2022 21:45
Cal : 482252582001 Caldate : 24-JUN-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33514014	35362063	5.51
Yttrium	A	1559261	1712891	9.85
Yttrium	R	337694	345371	2.27

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2022-06-24 21:45:33	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	51145.54600	2629.15160	3616.32090	9969.88290	7440.49130	1450.74710	7067.10650
Int RSD	*0.33982642*	*3.34033416*	*0.35399881*	*0.43028827*	*0.69934312*	*13.17647576*	*0.52698030*
Int SD	*173.80608000*	*87.82244900*	*12.80173300*	*42.89923700*	*52.03456400*	*191.15734000*	*37.24225900*
RelInt Mean	0.00002800	0.00069028	-0.00002652	0.00189412	0.00008941	0.00293365	0.00002896
RelInt RSD	*3.21063303*	*28.35505496*	*20.36860981*	*2.58775969*	*41.19843969*	*10.89959488*	*93.80344989*
RelInt SD	*0.00000090*	*0.00019573*	*0.00000540*	*0.00004902*	*0.00003683*	*0.00031976*	*0.00002717*
Conc Mean	<-0.00010049[mg/l]	<0.02655231[mg/l]	<0.00058740[mg/l]	0.02718151[mg/l]	<-0.00001075[mg/l]	<0.01328401[mg/l]	<0.00014776[mg/l]
Conc RSD	*40.98633605*	*73.13974841*	*55.15277926*	*2.76675071*	*1096.45693*	*159.56086142*	*109.45793438*
Conc SD	*0.00004119[mg/l]*	*0.01942029[mg/l]*	*0.00032397[mg/l]*	*0.00075204[mg/l]*	*0.00011790[mg/l]*	*0.02119608[mg/l]*	*0.00016174[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6531.67320	49881.12600	9149.81140	799.11368000	3165.84820	8113.19400	4561.00500
Int RSD	*0.37054730*	*0.89929405*	*0.92649481*	*9.99825569*	*2.63367662*	*0.50188844*	*0.03394095*
Int SD	*24.20293900*	*448.57800000*	*84.77252800*	*79.89742900*	*83.37820400*	*40.71918300*	*1.54804830*
RelInt Mean	0.00004589	0.00014507	0.00062744	0.00045480	0.00019939	0.00015142	0.00004551
RelInt RSD	*37.63834430*	*5.22135524*	*6.87975904*	*27.49455361*	*72.27564300*	*18.10243070*	*22.74039790*
RelInt SD	*0.00001727*	*0.00000757*	*0.00004317*	*0.00012505*	*0.00014411*	*0.00002741*	*0.00001035*
Conc Mean	<-0.00022779[mg/l]	<-0.00041405[mg/l]	0.00084677[mg/l]	<0.26211273[mg/l]	<0.04740764[mg/l]	<0.00004112[mg/l]	<0.00031726[mg/l]
Conc RSD	*59.75379559*	*63.90745918*	*20.26347066*	*39.93974272*	*94.01475214*	*51.81848110*	*25.14131407*
Conc SD	*0.00013611[mg/l]*	*0.00026461[mg/l]*	*0.00017159[mg/l]*	*0.10468715[mg/l]*	*0.04457018[mg/l]*	*0.00002131[mg/l]*	*0.00007976[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	16240.00500	7652.46420	7201.50580	5136.14540	3815.41440	3616.35250	2219.70970
Int RSD	*0.87053452*	*0.73581383*	*0.70705570*	*0.65105297*	*0.22738100*	*1.40953853*	*1.73313758*
Int SD	*141.37485000*	*56.30789000*	*50.91865700*	*33.43902700*	*8.67552730*	*50.97388200*	*38.47062300*
RelInt Mean	0.01582037	0.00013692	-0.00003735	0.00001536	-0.00000065	0.00002694	-0.00004467
RelInt RSD	*3.08676338*	*22.87082916*	*33.73808545*	*172.97859011*	*2079.93359*	*86.93571072*	*293.33554011*
RelInt SD	*0.00048834*	*0.00003132*	*0.00001260*	*0.00002656*	*0.00001359*	*0.00002342*	*0.00013105*
Conc Mean	0.56223348[mg/l]	<-0.00019138[mg/l]	<-0.00058426[mg/l]	<0.00261390[mg/l]	<-0.00043584[mg/l]	<0.00045566[mg/l]	<0.00014269[mg/l]
Conc RSD	*4.19509311*	*147.67869384*	*67.51837160*	*53.36490455*	*218.02085820*	*98.14453446*	*86.60444481*
Conc SD	*0.02358622[mg/l]*	*0.00028263[mg/l]*	*0.00039448[mg/l]*	*0.00139491[mg/l]*	*0.00095022[mg/l]*	*0.00044720[mg/l]*	*0.00012358[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	54375.70500	3551.81250	12275.28500	1712891	35362063	345371	5380.22890
Int RSD	*0.39221836*	*0.37341219*	*0.87373572*	*0.73014752*	*0.32224005*	*0.51128665*	*0.51839073*
Int SD	*213.27150000*	*13.26290100*	*107.25355000*	*12506.63400*	*113951*	*1765.83530*	*27.89060800*
RelInt Mean	0.00000780	0.00000007	0.00002518	---	---	---	0.00031864
RelInt RSD	*28.63697017*	*17747.09441*	*11.72901308*	---	---	---	*4.82221655*
RelInt SD	*0.00000223*	*0.00001181*	*0.00000295*	---	---	---	*0.00001537*
Conc Mean	<0.00003457[mg/l]	<0.00356364[mg/l]	<-0.00061617[mg/l]	1704228	35285718	342875	0.00051304[mg/l]
Conc RSD	*63.12783004*	*40.19173027*	*90.52406692*	---	---	---	*11.05018275*
Conc SD	*0.00002182[mg/l]*	*0.00143229[mg/l]*	*0.00055778[mg/l]*	*12530.86100*	*114320*	*1724.66460*	*0.00005669[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	264.42833000	8656.62650	8605.95380	3943.99720	7252.70330	4515.22830	
Int RSD	*5.79447028*	*0.43483403*	*0.78158579*	*1.78892647*	*0.35411524*	*0.41250840*	
Int SD	*15.32222100*	*37.64195800*	*67.26291200*	*70.55521000*	*25.68292800*	*18.62569600*	
RelInt Mean	-0.00036239	0.00077344	0.00089754	0.00014941	0.00014431	-0.00002420	
RelInt RSD	*21.34845488*	*40.69543120*	*5.63382456*	*29.34968878*	*20.17758819*	*58.88398246*	
RelInt SD	*0.00007736*	*0.00031475*	*0.00005057*	*0.00004385*	*0.00002912*	*0.00001425*	
Conc Mean	<0.00012779[mg/l]	<0.00294917[mg/l]	0.00875372[mg/l]	<-0.00179765[mg/l]	<0.00041671[mg/l]	<-0.00175603[mg/l]	
Conc RSD	*225.64309267*	*108.58889013*	*10.61845183*	*87.29635305*	*27.86990119*	*68.52024221*	
Conc SD	*0.00028836[mg/l]*	*0.00320247[mg/l]*	*0.00092951[mg/l]*	*0.00156928[mg/l]*	*0.00011614[mg/l]*	*0.00120324[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 464779 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482252582200 File : met06_master Time : 24-JUN-2022 22:21
Cal : 482252582001 Caldate : 24-JUN-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0322	0.0323	1.000	1.008	mg/l	1	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33514014	30982416	-7.55
Yttrium	A	1559261	1510568	-3.12
Yttrium	R	337694	320648	-5.05

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S16870	Sample Type: Control Sample		
Measure Date: 2022-06-24 22:21:20	Recalculation Date:	State: Check failed	Quality: Failed

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	384917	7594.70090	30365.47000	113124	475917	485816	259693
Int RSD	*0.35805544*	*1.97597051*	*0.66388352*	*0.16261673*	*0.10016039*	*0.20206566*	*0.41612420*
Int SD	*1378.21760*	*150.06905000*	*201.59135000*	*183.95848000*	*476.68042000*	*981.66640000*	*1080.64410*
RelInt Mean	0.01083088	0.01070564	0.01756542	0.07053730	0.31173794	1.52399060	0.16788521
RelInt RSD	*0.80940464*	*3.93812270*	*0.65739969*	*0.46913308*	*0.40049803*	*0.37113149*	*0.65010134*
RelInt SD	*0.00008767*	*0.00042160*	*0.00011547*	*0.00033091*	*0.00124850*	*0.00565601*	*0.00109142*
Conc Mean	0.49481502[mg/l]	1.02027240[mg/l]	1.05484330[mg/l]	1.08037680[mg/l]	0.99600351[mg/l]	100.84169000[mg/l]	0.99785049[mg/l]
Conc RSD	*0.81166817*	*4.09999379*	*0.65673647*	*0.46995080*	*0.39966702*	*0.37179706*	*0.65060545*
Conc SD	*0.00401626[mg/l]*	*0.04183110[mg/l]*	*0.00692754[mg/l]*	*0.00507724[mg/l]*	*0.00398070[mg/l]*	*0.37492644[mg/l]*	*0.00649207[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	191592	897933	391271	42638.39400	112285	1893116	207730
Int RSD	*0.18013357*	*0.65043375*	*0.21545406*	*0.35656993*	*0.60371247*	*0.27892026*	*0.37557990*
Int SD	*345.12164000*	*5840.45650*	*843.00827000*	*152.03569000*	*677.87758000*	*5280.28300*	*780.19055000*
RelInt Mean	0.12283549	0.02753807	0.25483211	0.13196724	0.34244750	1.25489010	0.13509129
RelInt RSD	*0.48358872*	*1.09501337*	*0.49895886*	*0.59146872*	*0.90227705*	*0.02795662*	*0.65817124*
RelInt SD	*0.00059402*	*0.00030155*	*0.00127151*	*0.00078054*	*0.00308983*	*0.00035082*	*0.00088913*
Conc Mean	0.96750924[mg/l]	0.95650112[mg/l]	1.01130490[mg/l]	110.36335000[mg/l]	105.89957000[mg/l]	0.97533757[mg/l]	1.04122970[mg/l]
Conc RSD	*0.48388248*	*1.10128925*	*0.49977520*	*0.59210500*	*0.90239849*	*0.02795933*	*0.65819376*
Conc SD	*0.00468161[mg/l]*	*0.01053384[mg/l]*	*0.00505425[mg/l]*	*0.65346691[mg/l]*	*0.95563612[mg/l]*	*0.00027270[mg/l]*	*0.00685331[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	710634	173437	56088.69900	35265.80000	25184.77300	390928	334012
Int RSD	*0.48498847*	*0.10689295*	*0.35365436*	*0.18129485*	*0.96627589*	*0.27978145*	*0.35277140*
Int SD	*3446.49110*	*185.39176000*	*198.36013000*	*63.93507800*	*243.35439000*	*1093.74540*	*1178.29780*
RelInt Mean	2.19651660	0.11015527	0.03227043	0.01989393	0.01405951	0.25774100	1.04237680
RelInt RSD	*0.54240924*	*0.31005887*	*0.68101263*	*0.35201341*	*1.43719699*	*0.54836658*	*0.44602292*
RelInt SD	*0.01191411*	*0.00034155*	*0.00021977*	*0.00007003*	*0.00020206*	*0.00141337*	*0.00464924*
Conc Mean	105.88766000[mg/l]	0.99274770[mg/l]	1.00799220[mg/l]	1.04149010[mg/l]	0.98278693[mg/l]	4.92079980[mg/l]	0.98313683[mg/l]
Conc RSD	*0.54344568*	*0.31050115*	*0.68089766*	*0.35143167*	*1.43776759*	*0.54837299*	*0.44594264*
Conc SD	*0.57544191[mg/l]*	*0.00308249[mg/l]*	*0.00686340[mg/l]*	*0.00366013[mg/l]*	*0.01413019[mg/l]*	*0.02698434[mg/l]*	*0.00438423[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3283008	15881.85300	175482	1510568	30982416	320648	418494
Int RSD	*0.83569397*	*0.25924843*	*0.40384366*	*0.30052155*	*0.38150166*	*0.25541680*	*0.06240329*
Int SD	*27435.89900*	*41.17345400*	*708.67151000*	*4539.58170*	*118198*	*818.98800000*	*261.15391000*
RelInt Mean	0.10431541	0.00792335	0.00527690	---	---	---	0.27520816
RelInt RSD	*1.23003850*	*0.54627691*	*0.82901830*	---	---	---	*0.27014356*
RelInt SD	*0.00128312*	*0.00004328*	*0.00004375*	---	---	---	*0.00074346*
Conc Mean	1.01868320[mg/l]	0.95871754[mg/l]	0.99083090[mg/l]	1501736	30906693	318372	1.01534820[mg/l]
Conc RSD	*1.23008831*	*0.54228950*	*0.83364273*	---	---	---	*0.27023539*
Conc SD	*0.01253070[mg/l]*	*0.00519902[mg/l]*	*0.00825999[mg/l]*	*4475.64720*	*118138*	*771.21459000*	*0.00274383[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	88787.83100	40120.53300	448849	238976	388835	5439.14350	
Int RSD	*0.54143044*	*0.63440443*	*0.21470634*	*0.39359624*	*0.18863685*	*1.69850527*	
Int SD	*480.72434000*	*254.52644000*	*963.70711000*	*940.60048000*	*733.48529000*	*92.38413900*	
RelInt Mean	0.27752453	0.10088376	0.29366385	0.15628489	0.25370167	0.00039517	
RelInt RSD	*0.71735353*	*0.77731097*	*0.47078600*	*0.60734936*	*0.39766195*	*17.87207821*	
RelInt SD	*0.00199083*	*0.00078418*	*0.00138253*	*0.00094920*	*0.00100888*	*0.00007063*	
Conc Mean	1.03589310[mg/l]	1.02152580[mg/l]	5.37737490[mg/l]	5.58575220[mg/l]	1.01729000[mg/l]	0.03365589[mg/l]	
Conc RSD	*0.71633102*	*0.78105444*	*0.47113427*	*0.60812531*	*0.39871011*	*17.71947827*	
Conc SD	*0.00742042[mg/l]*	*0.00797867[mg/l]*	*0.02533466[mg/l]*	*0.03396837[mg/l]*	*0.00405604[mg/l]*	*0.00596365[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 464779 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482252582201 File : met06_master Time : 24-JUN-2022 22:24
Cal : 482252582001 Caldate : 24-JUN-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33514014	35038961	4.55
Yttrium	A	1559261	1686625	8.17
Yttrium	R	337694	342251	1.35

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2022-06-24 22:24:35	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	50080.89900	2525.85460	3541.51210	7935.20750	7208.76450	1398.59570	6857.14050
Int RSD	*0.40291509*	*1.50221913*	*0.70082677*	*0.52960766*	*0.62046624*	*7.43951236*	*0.54907457*
Int SD	*201.78350000*	*37.94387100*	*24.81986500*	*42.02546700*	*44.72795000*	*104.04870000*	*37.65081500*
RelInt Mean	0.00004029	0.00040028	-0.00000964	0.00083526	0.00008397	0.00304514	0.00001801
RelInt RSD	*6.72237498*	*55.40825244*	*105.13858483*	*3.56468571*	*23.03158333*	*13.52132042*	*119.79179867*
RelInt SD	*0.00000271*	*0.00022179*	*0.00001013*	*0.00002977*	*0.00001934*	*0.00041174*	*0.00002157*
Conc Mean	<0.00046244[mg/l]	<-0.00222140[mg/l]	<0.00160000[mg/l]	0.01093530[mg/l]	<-0.00002998[mg/l]	<0.02067452[mg/l]	<0.00008263[mg/l]
Conc RSD	*26.83052044*	*990.63294051*	*37.97809484*	*4.17755827*	*208.50600923*	*132.01638384*	*155.37260475*
Conc SD	*0.00012408[mg/l]*	*0.02200594[mg/l]*	*0.00060765[mg/l]*	*0.00045683[mg/l]*	*0.00006251[mg/l]*	*0.02729375[mg/l]*	*0.00012838[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6344.07260	48617.60000	8231.06800	717.87763000	3099.84170	7812.49880	4540.76310
Int RSD	*0.42530736*	*0.32778282*	*0.40392733*	*19.95328786*	*6.60661123*	*0.39954903*	*0.51438195*
Int SD	*26.98180800*	*159.36014000*	*33.24753300*	*143.24019000*	*204.79449000*	*31.21476300*	*23.35686600*
RelInt Mean	0.00005828	0.00014299	0.00022571	0.00041840	0.00007819	0.00010290	0.00010893
RelInt RSD	*14.61466995*	*2.82736158*	*16.39187486*	*95.41109234*	*708.62021272*	*18.11483327*	*18.70146399*
RelInt SD	*0.00000852*	*0.00000404*	*0.00003700*	*0.00039920*	*0.00055404*	*0.00001864*	*0.00002037*
Conc Mean	<-0.00013010[mg/l]	<-0.00048669[mg/l]	<-0.00075011[mg/l]	<0.23164145[mg/l]	<0.00992232[mg/l]	<0.00000340[mg/l]	0.00080612[mg/l]
Conc RSD	*51.60020487*	*29.01885064*	*19.60562430*	*144.27919960*	*1726.97313*	*425.88581074*	*19.47855270*
Conc SD	*0.00006713[mg/l]*	*0.00014123[mg/l]*	*0.00014706[mg/l]*	*0.33421043[mg/l]*	*0.17135583[mg/l]*	*0.00001449[mg/l]*	*0.00015702[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	13917.61100	7437.39640	6987.53820	4927.38860	3697.46360	3456.97340	2150.78400
Int RSD	*1.38160163*	*0.65955192*	*0.37807617*	*0.53642810*	*0.48920103*	*1.22959743*	*1.06156178*
Int SD	*192.28594000*	*49.05349100*	*26.41821700*	*26.43189700*	*18.08803000*	*42.50685600*	*22.83190100*
RelInt Mean	0.00930161	0.00013711	-0.00003113	-0.00001954	0.00000590	-0.00000664	-0.00024929
RelInt RSD	*4.12137115*	*10.56533434*	*39.20219271*	*98.51210243*	*196.38090935*	*319.08168571*	*46.92338445*
RelInt SD	*0.00038335*	*0.00001449*	*0.00001220*	*0.00001925*	*0.00001159*	*0.00002118*	*0.00011697*
Conc Mean	0.24738361[mg/l]	<-0.00018969[mg/l]	<-0.00038411[mg/l]	<0.00077984[mg/l]	<0.00002272[mg/l]	<-0.00018548[mg/l]	<-0.00005026[mg/l]
Conc RSD	*7.48456779*	*68.92495156*	*98.05105502*	*129.72980605*	*3569.12746*	*218.01791359*	*219.47588679*
Conc SD	*0.01851559[mg/l]*	*0.00013074[mg/l]*	*0.00037662[mg/l]*	*0.00101168[mg/l]*	*0.00081080[mg/l]*	*0.00040439[mg/l]*	*0.00011031[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	52707.28300	3450.45200	11949.79800	1686625	35038961	342251	5134.38910
Int RSD	*0.55568006*	*0.37923889*	*1.27882061*	*0.37247058*	*0.23653880*	*0.24634048*	*0.32214680*
Int SD	*292.88386000*	*13.08545600*	*152.81648000*	*6282.18010*	*82880.73800*	*843.10363000*	*16.54027000*
RelInt Mean	0.00000243	-0.00001383	0.00002638	---	---	---	0.00026769
RelInt RSD	*165.57683144*	*83.50934634*	*19.87548303*	---	---	---	*6.51909250*
RelInt SD	*0.00000402*	*0.00001155*	*0.00000524*	---	---	---	*0.00001745*
Conc Mean	<-0.00001790[mg/l]	<0.00187763[mg/l]	<-0.00038896[mg/l]	1678227	34964027	339767	<0.00032478[mg/l]
Conc RSD	*219.47446569*	*74.59893868*	*254.63286416*	---	---	---	*19.84826389*
Conc SD	*0.00003929[mg/l]*	*0.00140069[mg/l]*	*0.00099043[mg/l]*	*6293.43560*	*83144.09000*	*764.95207000*	*0.00006446[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	387.79898000	8537.40580	7894.42190	3964.77390	6963.80320	4508.52570	
Int RSD	*44.74321206*	*1.25333283*	*0.40035857*	*2.08543718*	*0.32959669*	*1.16358299*	
Int SD	*173.51372000*	*107.00211000*	*31.60599500*	*82.68286900*	*22.95246500*	*52.46043800*	
RelInt Mean	-0.00007650	0.00055073	0.00057710	0.00021368	0.00008877	0.00002453	
RelInt RSD	*300.51307090*	*49.13483687*	*5.93978349*	*24.29777129*	*34.44317670*	*68.04693933*	
RelInt SD	*0.00022989*	*0.00027060*	*0.00003428*	*0.00005192*	*0.00003058*	*0.00001669*	
Conc Mean	<0.00119338[mg/l]	<0.00068324[mg/l]	0.00284087[mg/l]	<0.00050229[mg/l]	<0.00018947[mg/l]	<0.00235905[mg/l]	
Conc RSD	*71.80060512*	*402.96876097*	*22.20583987*	*369.90854933*	*65.81840149*	*59.75767654*	
Conc SD	*0.00085686[mg/l]*	*0.00275324[mg/l]*	*0.00063084[mg/l]*	*0.00185800[mg/l]*	*0.00012471[mg/l]*	*0.00140971[mg/l]*	

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number:	464785
Report Level:	IV
Report Date:	01/05/2023

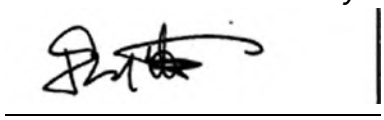
PCBs

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	464785
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	06/23/22

Sample ID	Lab ID	Collected	Matrix
DOOR-N-0.2GW-DG-7 TO 21-220623-P-LA	464785-002	06/23/22 10:05	Wipe
DOOR-N-0.3GW-DG-6 TO 20-220623-P-G	464785-004	06/23/22 11:25	Wipe
DOOR-N-0.4GW-EXT-6 TO 7-220623-P-CB	464785-006	06/23/22 11:09	Wipe

ENTHALPY ANALYTICAL

Case Narrative

PCBS (EPA 8082)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 464785 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 06/23/22

This data package contains sample and QC results for three wipe samples, requested for the above referenced project on 06/23/22. See attached cooler receipt form for any sample receipt problems or discrepancies. Revised units 07/13/22. Reissued 1/5/23 to revise the preparation method reference.

PCBs (EPA 8082):

No analytical problems were encountered.

Chain of Custody

464785

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)					
Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim and T. Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	DOOR-N-0.2GW-DG-7 TO 21-220623-L- LA	6/23/2022	1005	WP				X		2x Rivet Type 1 = 0.0276 ft² added
2	DOOR-N-0.2GW-DG-7 TO 21-220623-P- LA	6/23/2022	1005	WP			X			~~2x Rivet Type 1 =~~ JS
3	DOOR-N-0.3GW-DG-6 TO 20-220623-L- G	6/23/2022	1125	WP				X		2x Rivet Type 1 = 0.0276 ft² added
4	DOOR-N-0.3GW-DG-6 TO 20-220623-P- G	6/23/2022	1125	WP			X			surface area
5	DOOR-N-0.4GW-EXT-6 TO 7-220623-L- CB	6/23/2022	1109	WP				X		
6	DOOR-N-0.4GW-EXT-6 TO 7-220623-P- CB	6/23/2022	1109	WP			X			
7										
8										
9										
10										
11										
12										
13										
14										
15										

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	TJSinnott	Tyler Sinnott	Rincon / Envi. Scientist	6/23/22 / 1330
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	6/23/22 13:30
2 Relinquished By:	Audrey Hudson	"	"	6/26/22 15:25
2 Received By:		Maxwell Yip	EA	6/23/22 15:25
3 Relinquished By:		Maxwell Yip	EA	6/23/22 16:10
3 Received By:		Yanira	ea	6/24 08:40

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 464785 Client: Ramon

Date Received: 6/23/22 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☐ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☐ Yes, how many? _____ ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☑ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 6/23/22 By (print) MY (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☑ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: _____, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 6/23/22 **By (print)** MY **(sign)** _____

Date Labeled 6/23/22 **By (print)** MY **(sign)** _____

ENTHALPY

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Kinder Morgan Project: Hangar 1 - NCTRAW

Date Received: 6/24/2022 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.5 (3.0 corr) #2: 3.0 #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: Greyhound

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.0 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Yanita Date: 6/24/2022

STD PPD 23JUN22 20:57A

Schd: GLI 68

Pcs: 3 of 4 LOS ANGELES, CA

From: Enthalpy Analytical - Or
000-000-0000

RECV: ENTHALPY ANALYTICAL
931 W. BARKLEY A
ORANGE, CA 92868
Phone: 925-487-8029
Standard
Agency Phone: (213)629-8420

LOS ANGELES

Manual Wght:
181.8
Tariff Wght:
184.0

PO/Ref #:

WWW.SHIPGREYHOUND.COM

5/30 6/10 @ 08:40

Results & QC Summary

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 464785 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.2GW-DG-7 TO 21-220623-P-LA **Batch#:** 291960 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 06/23/22 **Analysis:** EPA 8082

Lab ID: 464785-002 **Received:** 06/23/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 06/27/22

Diln Fac: 1.000 **Analyzed:** 06/28/22

464785-002 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

464785-002 Surrogate	%REC	Limits
TCMX (PCB)	63	52-186
Decachlorobiphenyl (PCB)	59	50-150

Field ID: DOOR-N-0.3GW-DG-6 TO 20-220623-P-G **Batch#:** 291960 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 06/23/22 **Analysis:** EPA 8082

Lab ID: 464785-004 **Received:** 06/23/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 06/27/22

Diln Fac: 1.000 **Analyzed:** 06/28/22

464785-004 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

464785-004 Surrogate	%REC	Limits
TCMX (PCB)	61	52-186
Decachlorobiphenyl (PCB)	61	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 464785 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.4GW-EXT-6 TO 7-220623-P-CB **Batch#:** 291960 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 06/23/22 **Analysis:** EPA 8082

Lab ID: 464785-006 **Received:** 06/23/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 06/27/22

Dil n Fac: 1.000 **Analyzed:** 06/28/22

464785-006 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

464785-006 Surrogate	%REC	Limits
TCMX (PCB)	63	52-186
Decachlorobiphenyl (PCB)	56	50-150

Type: BLANK **Batch#:** 291960 **Analysis:** EPA 8082

Lab ID: QC997361 **Prepared:** 06/27/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 06/28/22

Dil n Fac: 1.000 **Prep:** EPA 3572M

QC997361 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC997361 Surrogate	%REC	Limits
TCMX (PCB)	82	52-186
Decachlorobiphenyl (PCB)	76	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 464785 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 291960 **Analysis:** EPA 8082

Lab ID: QC997362 **Prepared:** 06/27/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 06/28/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC997362 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.031	81	60-140	ug/100 cm2
Aroclor-1260	5.000	4.355	87	60-140	ug/100 cm2

QC997362 Surrogate	%REC	Limits
TCMX (PCB)	82	52-186
Decachlorobiphenyl (PCB)	73	60-140

Type: BSD **Batch#:** 291960 **Analysis:** EPA 8082

Lab ID: QC997363 **Prepared:** 06/27/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 06/28/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC997363 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.466	89	60-140	ug/100 cm2	10	20
Aroclor-1260	5.000	4.845	97	60-140	ug/100 cm2	11	20

QC997363 Surrogate	%REC	Limits
TCMX (PCB)	90	52-186
Decachlorobiphenyl (PCB)	80	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY INITIAL CALIBRATION FOR 464785 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_062422_1
Calibration #:	462252739001	Date:	25-JUN-2022 00:39
		X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc07_062422022	462252739022		25-JUN-2022 00:39	S16671 (100X), S16725 (250X)
L2	gc07_062422023	462252739023		25-JUN-2022 00:57	S16671 (40X), S16725 (250X)
L3	gc07_062422024	462252739024		25-JUN-2022 01:14	S16671 (20X), S16725 (250X)
L4	gc07_062422025	462252739025		25-JUN-2022 01:32	S16671 (8X), S16725 (250X)
L5	gc07_062422026	462252739026		25-JUN-2022 01:49	S16671 (4X), S16725 (250X)
L6	gc07_062422027	462252739027		25-JUN-2022 02:07	S16671 (2.66X), S16725 (250X)
L7	gc07_062422028	462252739028		25-JUN-2022 02:24	S16671 (2X), S16725 (250X)
L8	gc07_062422029	462252739029		25-JUN-2022 02:42	S16671 (1.33X), S16725 (250X)
L9	gc07_062422030	462252739030		25-JUN-2022 02:59	S16671, S16725 (250X)

Analyte	Ch	Type	a0	a1	a2	Units	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		52.1446		ug/L	0.0192	12	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		24.0592		ug/L	0.0416	14	9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		20.7771		ug/L	0.0481	12	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		28.8928		ug/L	0.0346	11	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		34.6865		ug/L	0.0288	11	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		16.4257		ug/L	0.0609	12	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		11.4424		ug/L	0.0874	10	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		11.2915		ug/L	0.0886	7	9	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		22.0875		ug/L	0.0453	10	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		24.0599		ug/L	0.0416	7	9	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.89555		pg/uL	1.1166	9	9	.99	20	
TCMX (PCB)	A	AVRG		1.06067		pg/uL	0.9428	8	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		49.6768		ug/L	0.0201	7	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		22.8132		ug/L	0.0438	9	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		19.8883		ug/L	0.0503	9	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		28.6560		ug/L	0.0349	6	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		34.3044		ug/L	0.0292	7	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		15.7963		ug/L	0.0633	8	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		14.2181		ug/L	0.0703	6	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		11.5518		ug/L	0.0866	3	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		20.5890		ug/L	0.0486	5	9	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		14.3273		ug/L	0.0698	4	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.81243		pg/uL	1.2309	10	9	.99	20	
TCMX (PCB)	B	AVRG		1.10236		pg/uL	0.9071	4	9	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

ENTHALPY INITIAL CALIBRATION FOR 464785 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_062422_1
Calibration #:	462252739001	Date:	25-JUN-2022 00:39
		X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0234	0.0215	0.0200	0.0192	0.0192	0.0180	0.0176	0.0174	0.0163
Aroclor-1016 Peak # 2	A	0.0506	0.0484	0.0464	0.0430	0.0395	0.0384	0.0372	0.0366	0.0339
Aroclor-1016 Peak # 3	A	0.0594	0.0542	0.0518	0.0468	0.0454	0.0453	0.0443	0.0447	0.0413
Aroclor-1016 Peak # 4	A	0.0413	0.0385	0.0369	0.0348	0.0332	0.0331	0.0323	0.0317	0.0297
Aroclor-1016 Peak # 5	A	0.0337	0.0322	0.0318	0.0293	0.0277	0.0275	0.0267	0.0261	0.0245
Aroclor-1260 Peak # 1	A	0.0727	0.0690	0.0664	0.0613	0.0580	0.0617	0.0550	0.0540	0.0499
Aroclor-1260 Peak # 2	A	0.1010	0.0978	0.0943	0.0864	0.0838	0.0853	0.0816	0.0810	0.0754
Aroclor-1260 Peak # 3	A	0.0987	0.0952	0.0933	0.0862	0.0848	0.0876	0.0843	0.0855	0.0813
Aroclor-1260 Peak # 4	A	0.0539	0.0502	0.0485	0.0445	0.0431	0.0439	0.0418	0.0418	0.0398
Aroclor-1260 Peak # 5	A	0.0379	0.0402	0.0409	0.0376	0.0404	0.0447	0.0428	0.0450	0.0446
Decachlorobiphenyl (PCB)	A	1.3136	1.2521	1.1395	1.0914	1.0462	1.0936	1.0474	1.0457	1.0202
TCMX (PCB)	A	1.0556	1.0443	1.0018	0.9534	0.8960	0.8931	0.8839	0.9007	0.8564
Aroclor-1016 Peak # 1	B	0.0237	0.0206	0.0205	0.0201	0.0194	0.0196	0.0193	0.0195	0.0184
Aroclor-1016 Peak # 2	B	0.0520	0.0470	0.0451	0.0431	0.0429	0.0424	0.0413	0.0416	0.0391
Aroclor-1016 Peak # 3	B	0.0609	0.0528	0.0500	0.0478	0.0483	0.0487	0.0479	0.0490	0.0470
Aroclor-1016 Peak # 4	B	0.0385	0.0379	0.0349	0.0334	0.0336	0.0344	0.0340	0.0346	0.0328
Aroclor-1016 Peak # 5	B	0.0329	0.0318	0.0294	0.0281	0.0280	0.0286	0.0281	0.0285	0.0271
Aroclor-1260 Peak # 1	B	0.0741	0.0656	0.0651	0.0617	0.0619	0.0631	0.0605	0.0606	0.0572
Aroclor-1260 Peak # 2	B	0.0777	0.0735	0.0724	0.0698	0.0688	0.0709	0.0674	0.0682	0.0642
Aroclor-1260 Peak # 3	B	0.0823	0.0865	0.0833	0.0845	0.0876	0.0917	0.0876	0.0898	0.0859
Aroclor-1260 Peak # 4	B	0.0506	0.0519	0.0474	0.0468	0.0460	0.0516	0.0476	0.0489	0.0462
Aroclor-1260 Peak # 5	B	0.0736	0.0727	0.0678	0.0662	0.0681	0.0716	0.0685	0.0706	0.0691
Decachlorobiphenyl (PCB)	B	1.4473	1.4291	1.1927	1.1850	1.1442	1.2016	1.1565	1.1753	1.1462
TCMX (PCB)	B	0.9875	0.8886	0.8748	0.8877	0.8943	0.8998	0.8927	0.9329	0.9059

ENTHALPY INITIAL CALIBRATION FOR 464785 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_062422_1
Calibration #:	462252739001	Date:	25-JUN-2022 00:39
		X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	**22**	50.000	12	100.00	4	250.00	0	500.00	0	751.88	-6	1000.0	-8	1503.8	-9
Aroclor-1016 Peak # 2	A	20.000	**22**	50.000	16	100.00	12	250.00	3	500.00	-5	751.88	-8	1000.0	-10	1503.8	-12
Aroclor-1016 Peak # 3	A	20.000	**23**	50.000	13	100.00	8	250.00	-3	500.00	-6	751.88	-6	1000.0	-8	1503.8	-7
Aroclor-1016 Peak # 4	A	20.000	19	50.000	11	100.00	7	250.00	1	500.00	-4	751.88	-4	1000.0	-7	1503.8	-8
Aroclor-1016 Peak # 5	A	20.000	17	50.000	12	100.00	10	250.00	2	500.00	-4	751.88	-5	1000.0	-7	1503.8	-10
Aroclor-1260 Peak # 1	A	20.000	19	50.000	13	100.00	9	250.00	1	500.00	-5	751.88	1	1000.0	-10	1503.8	-11
Aroclor-1260 Peak # 2	A	20.000	16	50.000	12	100.00	8	250.00	-1	500.00	-4	751.88	-2	1000.0	-7	1503.8	-7
Aroclor-1260 Peak # 3	A	20.000	11	50.000	8	100.00	5	250.00	-3	500.00	-4	751.88	-1	1000.0	-5	1503.8	-3
Aroclor-1260 Peak # 4	A	20.000	19	50.000	11	100.00	7	250.00	-2	500.00	-5	751.88	-3	1000.0	-8	1503.8	-8
Aroclor-1260 Peak # 5	A	20.000	-9	50.000	-3	100.00	-2	250.00	-9	500.00	-3	751.88	8	1000.0	3	1503.8	8
Decachlorobiphenyl (PCB)	A	0.8000	18	2.0000	12	4.0000	2	10.000	-2	20.000	-6	30.075	-2	40.000	-6	60.150	-6
TCMX (PCB)	A	0.8000	12	2.0000	11	4.0000	6	10.000	1	20.000	-5	30.075	-5	40.000	-6	60.150	-4
Aroclor-1016 Peak # 1	B	20.000	18	50.000	2	100.00	2	250.00	0	500.00	-3	751.88	-3	1000.0	-4	1503.8	-3
Aroclor-1016 Peak # 2	B	20.000	19	50.000	7	100.00	3	250.00	-2	500.00	-2	751.88	-3	1000.0	-6	1503.8	-5
Aroclor-1016 Peak # 3	B	20.000	**21**	50.000	5	100.00	-1	250.00	-5	500.00	-4	751.88	-3	1000.0	-5	1503.8	-2
Aroclor-1016 Peak # 4	B	20.000	10	50.000	9	100.00	0	250.00	-4	500.00	-4	751.88	-1	1000.0	-2	1503.8	-1
Aroclor-1016 Peak # 5	B	20.000	13	50.000	9	100.00	1	250.00	-4	500.00	-4	751.88	-2	1000.0	-4	1503.8	-2
Aroclor-1260 Peak # 1	B	20.000	17	50.000	4	100.00	3	250.00	-3	500.00	-2	751.88	0	1000.0	-4	1503.8	-4
Aroclor-1260 Peak # 2	B	20.000	10	50.000	5	100.00	3	250.00	-1	500.00	-2	751.88	1	1000.0	-4	1503.8	-3
Aroclor-1260 Peak # 3	B	20.000	-5	50.000	0	100.00	-4	250.00	-2	500.00	1	751.88	6	1000.0	1	1503.8	4
Aroclor-1260 Peak # 4	B	20.000	4	50.000	7	100.00	-2	250.00	-4	500.00	-5	751.88	6	1000.0	-2	1503.8	1
Aroclor-1260 Peak # 5	B	20.000	5	50.000	4	100.00	-3	250.00	-5	500.00	-2	751.88	3	1000.0	-2	1503.8	1
Decachlorobiphenyl (PCB)	B	0.8000	18	2.0000	16	4.0000	-3	10.000	-4	20.000	-7	30.075	-2	40.000	-6	60.150	-5
TCMX (PCB)	B	0.8000	9	2.0000	-2	4.0000	-4	10.000	-2	20.000	-1	30.075	-1	40.000	-2	60.150	3

ENTHALPY INITIAL CALIBRATION FOR 464785 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_062422_1
Calibration #:	462252739001	Date:	25-JUN-2022 00:39
		X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-15
Aroclor-1016 Peak # 2	A	2000.0	-18
Aroclor-1016 Peak # 3	A	2000.0	-14
Aroclor-1016 Peak # 4	A	2000.0	-14
Aroclor-1016 Peak # 5	A	2000.0	-15
Aroclor-1260 Peak # 1	A	2000.0	-18
Aroclor-1260 Peak # 2	A	2000.0	-14
Aroclor-1260 Peak # 3	A	2000.0	-8
Aroclor-1260 Peak # 4	A	2000.0	-12
Aroclor-1260 Peak # 5	A	2000.0	7
Decachlorobiphenyl (PCB)	A	80.000	-9
TCMX (PCB)	A	80.000	-9
Aroclor-1016 Peak # 1	B	2000.0	-8
Aroclor-1016 Peak # 2	B	2000.0	-11
Aroclor-1016 Peak # 3	B	2000.0	-6
Aroclor-1016 Peak # 4	B	2000.0	-6
Aroclor-1016 Peak # 5	B	2000.0	-7
Aroclor-1260 Peak # 1	B	2000.0	-10
Aroclor-1260 Peak # 2	B	2000.0	-9
Aroclor-1260 Peak # 3	B	2000.0	-1
Aroclor-1260 Peak # 4	B	2000.0	-5
Aroclor-1260 Peak # 5	B	2000.0	-1
Decachlorobiphenyl (PCB)	B	80.000	-7
TCMX (PCB)	B	80.000	0

TRN 06/25/22 : Manually integrated for coeluting peak and automatic draw baseline on both/one channel and on multiple levels

Analyst: TRN 06/25/22

Reviewer: LW 06/27/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 464785 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07	Name:	PCB_062422_1
Calnum:	462252739001	Cal Date:	25-JUN-2022

- ICV 462252739032 (gc07_062422032 25-JUN-2022) stds: S16736

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	518.1	ug/L	4	15	
Aroclor-1260	A	500.0	539.6	ug/L	8	15	
Aroclor-1016	B	500.0	525.9	ug/L	5	15	
Aroclor-1260	B	500.0	563.1	ug/L	13	15	

-

Analyst: TRN 06/25/22 **Reviewer:** LW 06/27/22

ENTHALPY CONTINUING CALIBRATION FOR 464785 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07			IDF:	1.0
Seqnum:	462258436004	File:	gc07_062822004	Time:	28-JUN-2022 11:51
Cal:	462252739001	Caldate:	25-JUN-2022		

Standards: S17006

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	462.7	ug/L	-7	15	0.0000	
Aroclor-1260	A			500.0	510.2	ug/L	2	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.1166	0.9481	20.00	16.98	pg/uL	-15	15	0.0000	
TCMX (PCB)	A	0.9428	0.8600	20.00	18.24	pg/uL	-9	15	0.0000	
Aroclor-1016	B			500.0	491.3	ug/L	-2	15	0.0000	
Aroclor-1260	B			500.0	506.3	ug/L	1	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2309	1.0800	20.00	17.55	pg/uL	-12	15	0.0000	
TCMX (PCB)	B	0.9071	0.8655	20.00	19.08	pg/uL	-5	15	0.0000	

ISTD (ICAL gc07_062422023)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1166029	1389469	19.16
1-bromo-2-nitrobenzene (PCB)	A	4421081	5233508	18.38

Analyst: TRN 06/28/22 **Reviewer:** SLL 06/28/22

Enthalpy Internal Standard Summary for Sequence 462258436

Date:	06/28/22	Reference:	gc07_062422023
Sequence:	SVOA-GC07 gc07_062822	Analyzed:	06/25/22 00:57

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	1166029	4421081
		LOWER LIMIT	583015	2210541
		UPPER LIMIT	2332058	8842162
004	CCV		1389469	5233508

Enthalpy Internal Standard Summary for Sequence 462258436

Date:	06/28/22	Reference:	gc07_062822004
Sequence:	SVOA-GC07 gc07_062822	Analyzed:	06/28/22 11:51

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	1389469	5233508
		LOWER LIMIT	694734	2616754
		UPPER LIMIT	2778937	10467016
007	BLANK	QC997361	1568156	5612864
008	BS	QC997362	1410452	5058676
009	BSD	QC997363	1222092	4449476
010	SAMPLE	464405-001	1292327	4500532
011	SAMPLE	464405-004	1720983	5961053
012	SAMPLE	464405-006	1841865	6275263
013	SAMPLE	464405-008	1521750	5276313
014	SAMPLE	464405-010	1386429	4816272
015	SAMPLE	464405-012	1595756	5518706
016	SAMPLE	464405-014	1368143	4731126
017	SAMPLE	464405-015	1276515	4447708
018	LCS	QC995759	1397648	4986201
019	SAMPLE	464098-003	1505925	5431870
020	SAMPLE	464098-013	1140371	4123940
021	BLANK	QC995755	1307616	4732356
022	LCS	QC995759	1336734	4859224
025	SAMPLE	464779-002	1710267	5849045
027	SAMPLE	464255-013	1798197	8951752
028	SAMPLE	464779-003	1454182	5011612
029	SAMPLE	464779-006	1336986	4620510
030	SAMPLE	464785-002	1689800	6109957
031	SAMPLE	464785-004	1536965	5273020
032	SAMPLE	464785-006	1994901	6756651
035	BLANK	QC997502	1355424	4494240
035	BLANK	QC997502	1355424	4494240

Enthalpy Internal Standard Summary for Sequence 462258436

Date:	06/28/22	Reference:	gc07_062822004
Sequence:	SVOA-GC07 gc07_062822	Analyzed:	06/28/22 11:51

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.44	4.25
		LOWER LIMIT	4.24	4.05
		UPPER LIMIT	4.64	4.45
007	BLANK	QC997361	4.44	4.26
008	BS	QC997362	4.44	4.25
009	BSD	QC997363	4.44	4.25
010	SAMPLE	464405-001	4.44	4.25
011	SAMPLE	464405-004	4.44	4.25
012	SAMPLE	464405-006	4.44	4.25
013	SAMPLE	464405-008	4.44	4.25
014	SAMPLE	464405-010	4.44	4.25
015	SAMPLE	464405-012	4.44	4.25
016	SAMPLE	464405-014	4.44	4.25
017	SAMPLE	464405-015	4.44	4.25
018	LCS	QC995759	4.44	4.25
019	SAMPLE	464098-003	4.44	4.25
020	SAMPLE	464098-013	4.44	4.25
021	BLANK	QC995755	4.44	4.25
022	LCS	QC995759	4.44	4.25
025	SAMPLE	464779-002	4.44	4.25
027	SAMPLE	464255-013	4.44	4.25
028	SAMPLE	464779-003	4.44	4.25
029	SAMPLE	464779-006	4.44	4.25
030	SAMPLE	464785-002	4.44	4.25
031	SAMPLE	464785-004	4.44	4.25
032	SAMPLE	464785-006	4.44	4.25
035	BLANK	QC997502	4.44	4.25

Enthalpy Internal Standard Summary for Sequence 462258436

Date:	06/28/22	Reference:	gc07_062822026
Sequence:	SVOA-GC07 gc07_062822	Analyzed:	06/28/22 18:11

#	Type	Sample ID	1BR2NITROBZ1254 B	1BR2NITROBZ1254 A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	1445468	5189113
		LOWER LIMIT	722734	2594557
		UPPER LIMIT	2890936	10378227
027	SAMPLE	464255-013	1811950	8955411
028	SAMPLE	464779-003		
029	SAMPLE	464779-006		
030	SAMPLE	464785-002		
031	SAMPLE	464785-004		
032	SAMPLE	464785-006		
035	BLANK	QC997502		
035	BLANK	QC997502		

Enthalpy Internal Standard Summary for Sequence 462258436

Date:	06/28/22	Reference:	gc07_062822026
Sequence:	SVOA-GC07 gc07_062822	Analyzed:	06/28/22 18:11

#	Type	Sample ID	1BR2NITROBZ1254 B RT	1BR2NITROBZ1254 A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.44	4.25
		LOWER LIMIT	4.24	4.05
		UPPER LIMIT	4.64	4.45
027	SAMPLE	464255-013	4.44	4.25
028	SAMPLE	464779-003		
029	SAMPLE	464779-006		
030	SAMPLE	464785-002		
031	SAMPLE	464785-004		
032	SAMPLE	464785-006		
035	BLANK	QC997502		

Enthalpy Sequence Summary for Sequence 462252739

Instrument: SVOA-GC07 Begun: 06/24/22 12:19
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc07_062422002	PEM				06/24/22 12:19	1.0	1	
003	gc07_062422003	CCV				06/24/22 12:37	1.0	2	ac
004	gc07_062422004	CCV				06/24/22 12:55	1.0	3	
011	gc07_062422011	PEM				06/24/22 21:26	1.0	1	
022	gc07_062422022	ICAL				06/25/22 00:39	1.0	4 5	
023	gc07_062422023	ICAL				06/25/22 00:57	1.0	4 5	
024	gc07_062422024	ICAL				06/25/22 01:14	1.0	4 5	
025	gc07_062422025	ICAL				06/25/22 01:32	1.0	4 5	
026	gc07_062422026	ICAL				06/25/22 01:49	1.0	4 5	
027	gc07_062422027	ICAL				06/25/22 02:07	1.0	4 5	
028	gc07_062422028	ICAL				06/25/22 02:24	1.0	4 5	
029	gc07_062422029	ICAL				06/25/22 02:42	1.0	4 5	
030	gc07_062422030	ICAL				06/25/22 02:59	1.0	4 5	
032	gc07_062422032	ICV				06/25/22 03:34	1.0	6	

TRN 06/25/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 32.

ac=average CCV drift out

Standards Used:
1=S16549 2=S16729 3=S17006 4=S16671 5=S16725 6=S16736

Enthalpy Sequence Summary for Sequence 462258436

Instrument: SVOA-GC07 Begun: 06/28/22 11:16
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc07_062822002	PEM				06/28/22 11:16	1.0	1	
003	gc07_062822003	CCV				06/28/22 11:33	1.0	2	ac
004	gc07_062822004	CCV				06/28/22 11:51	1.0	3	
005	gc07_062822005	CCV				06/28/22 12:09	1.0	2	ac
007	gc07_062822007	BLANK	QC997361	Wipe	291960	06/28/22 12:37	1.0	4	
008	gc07_062822008	BS	QC997362	Wipe	291960	06/28/22 12:55	1.0	4	
009	gc07_062822009	BSD	QC997363	Wipe	291960	06/28/22 13:13	1.0	4	
010	gc07_062822010	SAMPLE	464405-001	Wipe	291960	06/28/22 13:30	1.0	4	
011	gc07_062822011	SAMPLE	464405-004	Wipe	291960	06/28/22 13:48	1.0	4	
012	gc07_062822012	SAMPLE	464405-006	Wipe	291960	06/28/22 14:05	1.0	4	
013	gc07_062822013	SAMPLE	464405-008	Wipe	291960	06/28/22 14:23	1.0	4	
014	gc07_062822014	SAMPLE	464405-010	Wipe	291960	06/28/22 14:40	1.0	4	
015	gc07_062822015	SAMPLE	464405-012	Wipe	291960	06/28/22 14:58	1.0	4	
016	gc07_062822016	SAMPLE	464405-014	Wipe	291960	06/28/22 15:15	1.0	4	
017	gc07_062822017	SAMPLE	464405-015	Wipe	291960	06/28/22 15:33	1.0	4	
018	gc07_062822018	LCS	QC995759	Soil	291473	06/28/22 15:51	1.0	4	
019	gc07_062822019	SAMPLE	464098-003	Soil	291473	06/28/22 16:08	1.0	4	
020	gc07_062822020	SAMPLE	464098-013	Soil	291473	06/28/22 16:26	5.0	4	
021	gc07_062822021	BLANK	QC995755	Soil	291473	06/28/22 16:43	1.0	4	
022	gc07_062822022	LCS	QC995759	Soil	291473	06/28/22 17:01	1.0	4	
023	gc07_062822023	SAMPLE	464325-014	Soil	291554	06/28/22 17:19	10.0	4	<ac
025	gc07_062822025	SAMPLE	464779-002	Wipe	291960	06/28/22 17:54	1.0	4	
026	gc07_062822026	ICAL				06/28/22 18:11	1.0	5	
027	gc07_062822027	SAMPLE	464255-013	Soil	291554	06/28/22 18:29	1.0	4	
028	gc07_062822028	SAMPLE	464779-003	Wipe	291960	06/28/22 18:46	1.0	4	
029	gc07_062822029	SAMPLE	464779-006	Wipe	291960	06/28/22 19:04	1.0	4	
030	gc07_062822030	SAMPLE	464785-002	Wipe	291960	06/28/22 19:21	1.0	4	
031	gc07_062822031	SAMPLE	464785-004	Wipe	291960	06/28/22 19:39	1.0	4	
032	gc07_062822032	SAMPLE	464785-006	Wipe	291960	06/28/22 19:56	1.0	4	
035	gc07_062822035	BLANK	QC997502	Soil	292025	06/28/22 20:49	1.0	4	<ac
036	gc07_062822036	LCS	QC997503	Soil	292025	06/28/22 21:07	1.0	4	<ac
037	gc07_062822037	MS	QC997505	Soil	292025	06/28/22 21:24	10.0	4	<ac
038	gc07_062822038	MSD	QC997506	Soil	292025	06/28/22 21:42	10.0	4	<ac
039	gc07_062822039	SAMPLE	463961-036	Soil	292025	06/28/22 21:59	1.0	4	sh <ac
040	gc07_062822040	MSS	464039-007	Soil	292025	06/28/22 22:17	10.0	4	sh <ac

TRN 06/29/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 40.

<=opening ac=average CCV drift out sh=out of sample hold

Standards Used:
1=S16549 2=S16729 3=S17006 4=S17010 5=S16977

SAMPLE PREPARATION SUMMARY

Batch # : 291960
Started By : SME
Prep Date : 27-JUN-2022 13:27
Method : 3572M
Spike #1 ID : S16989
Analysis : 8080
Finished By : SME
Units : dm2
Spike #3 ID : S16834

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
464405-001		Wipe	1	20	1	20.0		1				PCB	
464405-004		Wipe	1	20	1	20.0		1				PCB	
464405-006		Wipe	1	20	1	20.0		1				PCB	
464405-008		Wipe	1	20	1	20.0		1				PCB	
464405-010		Wipe	1	20	1	20.0		1				PCB	
464405-012		Wipe	1	20	1	20.0		1				PCB	
464405-014		Wipe	1	20	1	20.0		1				PCB	
464405-015		Wipe	1	20	1	20.0		1				PCB	
464779-002		Wipe	1	20	1	20.0		1				PCB	
464779-003		Wipe	1	20	1	20.0		1				PCB	
464779-006		Wipe	1	20	1	20.0		1				PCB	
464785-002		Wipe	1	20	1	20.0		1				PCB	
464785-004		Wipe	1	20	1	20.0		1				PCB	
464785-006		Wipe	1	20	1	20.0		1				PCB	
QC997361	BLANK	Wipe	1	10	1	10.0		.5				8080	
QC997362	BS	Wipe	1	10	1	10.0		.5		.5		8080	
QC997363	BSD	Wipe	1	10	1	10.0		.5		.5		8080	

TRN 06/28/22 : BS/D verify the batch

Analyst: TRN Date: 06/28/22 Reviewer: SLL Date: 06/28/22

13:27

8081/8082 Prep Log

Date/Time: 06/27/2022 Initials: SME

3572M 1-5-23 MAG

608 QC Batch#:

8081 QC Batch #:

Matrix: Wipe Prep Method: ~~3580~~ Balance ID: N/A

8082 QC Batch #: 291960

Sample ID	Cont. ID	Sample Initial Amount Circle one: mL ~~WIPE~~	pH is 5-9?	Extraction Equipment ID (Sox, Sonic., Shaker)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Witness ID	Comment
Blank		1 WIPE	N/A	SH2	N/A	10.0		JAP	500 µL PCB Surr.
LCS						10.0			
LCSD						10.0			
464405-001	A					20.0			1000 µL PCB Surr.
-004						20.0			
-006						20.0			
-008						20.0			
-010						20.0			
-012						20.0			
-014						20.0			
-015						20.0			
464779-002						20.0			
-003						20.0			
-006						20.0			
464785-002						20.0			
-004						20.0			
-006						20.0			

Methylene Chloride Lot: N/A

Exchange Solvent (Hexane) ID: S110897

Acetone-Hexane Mix ID: N/A

Sodium Sulfate Lot: N/A

Baked Sand Lot: N/A

Surrogate ID: S110989 Volume: µL

Pest LCS Spike ID: Volume: µL

PCB LCS Spike ID: S110834 Volume: 500 µL

Pest MS/MSD Spike ID: Volume: µL

PCB MS/MSD Spike ID: Volume: µL

REPORTING SUMMARY FOR 464785 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
464785-002	Aroclor-1016	SVOA-GC07	B	06/28/22 19:21
464785-002	Aroclor-1221	SVOA-GC07	B	06/28/22 19:21
464785-002	Aroclor-1232	SVOA-GC07	B	06/28/22 19:21
464785-002	Aroclor-1242	SVOA-GC07	B	06/28/22 19:21
464785-002	Aroclor-1248	SVOA-GC07	B	06/28/22 19:21
464785-002	Aroclor-1254	SVOA-GC07	B	06/28/22 19:21
464785-002	Aroclor-1260	SVOA-GC07	B	06/28/22 19:21
464785-002	Aroclor-1268	SVOA-GC07	B	06/28/22 19:21
464785-002	TCMX (PCB)	SVOA-GC07	B	06/28/22 19:21
464785-002	Decachlorobiphenyl (PCB)	SVOA-GC07	B	06/28/22 19:21
464785-004	Aroclor-1016	SVOA-GC07	B	06/28/22 19:39
464785-004	Aroclor-1221	SVOA-GC07	B	06/28/22 19:39
464785-004	Aroclor-1232	SVOA-GC07	B	06/28/22 19:39
464785-004	Aroclor-1242	SVOA-GC07	B	06/28/22 19:39
464785-004	Aroclor-1248	SVOA-GC07	B	06/28/22 19:39
464785-004	Aroclor-1254	SVOA-GC07	B	06/28/22 19:39
464785-004	Aroclor-1260	SVOA-GC07	B	06/28/22 19:39
464785-004	Aroclor-1268	SVOA-GC07	B	06/28/22 19:39
464785-004	TCMX (PCB)	SVOA-GC07	B	06/28/22 19:39
464785-004	Decachlorobiphenyl (PCB)	SVOA-GC07	B	06/28/22 19:39
464785-006	Aroclor-1016	SVOA-GC07	B	06/28/22 19:56
464785-006	Aroclor-1221	SVOA-GC07	B	06/28/22 19:56
464785-006	Aroclor-1232	SVOA-GC07	B	06/28/22 19:56
464785-006	Aroclor-1242	SVOA-GC07	B	06/28/22 19:56
464785-006	Aroclor-1248	SVOA-GC07	B	06/28/22 19:56
464785-006	Aroclor-1254	SVOA-GC07	B	06/28/22 19:56
464785-006	Aroclor-1260	SVOA-GC07	B	06/28/22 19:56
464785-006	Aroclor-1268	SVOA-GC07	B	06/28/22 19:56
464785-006	TCMX (PCB)	SVOA-GC07	B	06/28/22 19:56
464785-006	Decachlorobiphenyl (PCB)	SVOA-GC07	B	06/28/22 19:56
QC997361	Aroclor-1016	SVOA-GC07	B	06/28/22 12:37
QC997361	Aroclor-1221	SVOA-GC07	B	06/28/22 12:37
QC997361	Aroclor-1232	SVOA-GC07	B	06/28/22 12:37
QC997361	Aroclor-1242	SVOA-GC07	B	06/28/22 12:37
QC997361	Aroclor-1248	SVOA-GC07	B	06/28/22 12:37
QC997361	Aroclor-1254	SVOA-GC07	B	06/28/22 12:37
QC997361	Aroclor-1260	SVOA-GC07	B	06/28/22 12:37
QC997361	Aroclor-1268	SVOA-GC07	B	06/28/22 12:37
QC997361	TCMX (PCB)	SVOA-GC07	B	06/28/22 12:37
QC997361	Decachlorobiphenyl (PCB)	SVOA-GC07	B	06/28/22 12:37
QC997362	Aroclor-1016	SVOA-GC07	B	06/28/22 12:55
QC997362	Aroclor-1260	SVOA-GC07	B	06/28/22 12:55
QC997362	TCMX (PCB)	SVOA-GC07	B	06/28/22 12:55
QC997362	Decachlorobiphenyl (PCB)	SVOA-GC07	B	06/28/22 12:55
QC997363	Aroclor-1016	SVOA-GC07	B	06/28/22 13:13
QC997363	Aroclor-1260	SVOA-GC07	B	06/28/22 13:13
QC997363	TCMX (PCB)	SVOA-GC07	B	06/28/22 13:13
QC997363	Decachlorobiphenyl (PCB)	SVOA-GC07	B	06/28/22 13:13

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	464785-002	Client ID:	DOOR-N-0.2GW-DG-7 TO 21-220623-P-LA
Seqnum:	462258436030.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_062822030	Batch:	291960	Time:	28-JUN-2022 19:21
Cal:	462252739001	Caldate:	25-JUN-2022		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	10.53	ug/L	ND	0.67	104%	1.0		u
Aroclor-1016 Peak # 1	B	22.91	ug/L	0.46	1.18	88%			
Aroclor-1016 Peak # 2	B	0.2992	ug/L	0.01	0.09	174%			
Aroclor-1016 Peak # 3	B	18.95	ug/L	0.38	1.22	105%			
Aroclor-1016 Peak # 4	B	10.33	ug/L	0.21	0.01	188%			
Aroclor-1016 Peak # 5	B	0.1551	ug/L	0.00	0.83	199%			
Aroclor-1221	B			ND			1.0		u
Aroclor-1232	B			ND			1.0		u
Aroclor-1242	B			ND			1.0		u
Aroclor-1248	B			ND			1.0		u
Aroclor-1254	B			ND			1.0		u
Aroclor-1260	B	4.777	ug/L	ND	0.75	155%	1.0		u
Aroclor-1260 Peak # 1	B	3.958	ug/L	0.08	0.83	165%			
Aroclor-1260 Peak # 2	B	0.9673	ug/L	0.02	0.02	16%			
Aroclor-1260 Peak # 3	B	2.925	ug/L	0.06	0.04	49%			
Aroclor-1260 Peak # 4	B	3.151	ug/L	0.06	0.63	164%			
Aroclor-1260 Peak # 5	B	12.89	ug/L	0.26	2.23	158%			
Aroclor-1268	B			ND			1.0		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	31.68	pg/uL	1.000	0.6335	63	52-186	u
Decachlorobiphenyl (PCB)	B	29.28	pg/uL	1.000	0.5857	59	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221)

ISTD (CCV gc07_062822004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1389469	1689800	21.61
1-bromo-2-nitrobenzene (PCB)	A	5233508	6109957	16.75

ISTD (ICAL gc07_062822026)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	1445468	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1254)	A	5189113	**???**	**-100.00 ***

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221)

ISTD (CCV gc07_062822004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.25	4.25	0.00

ISTD (ICAL gc07_062822026)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1254)	B	4.44	**???**	
1-bromo-2-nitrobenzene (1254)	A	4.25	**???**	

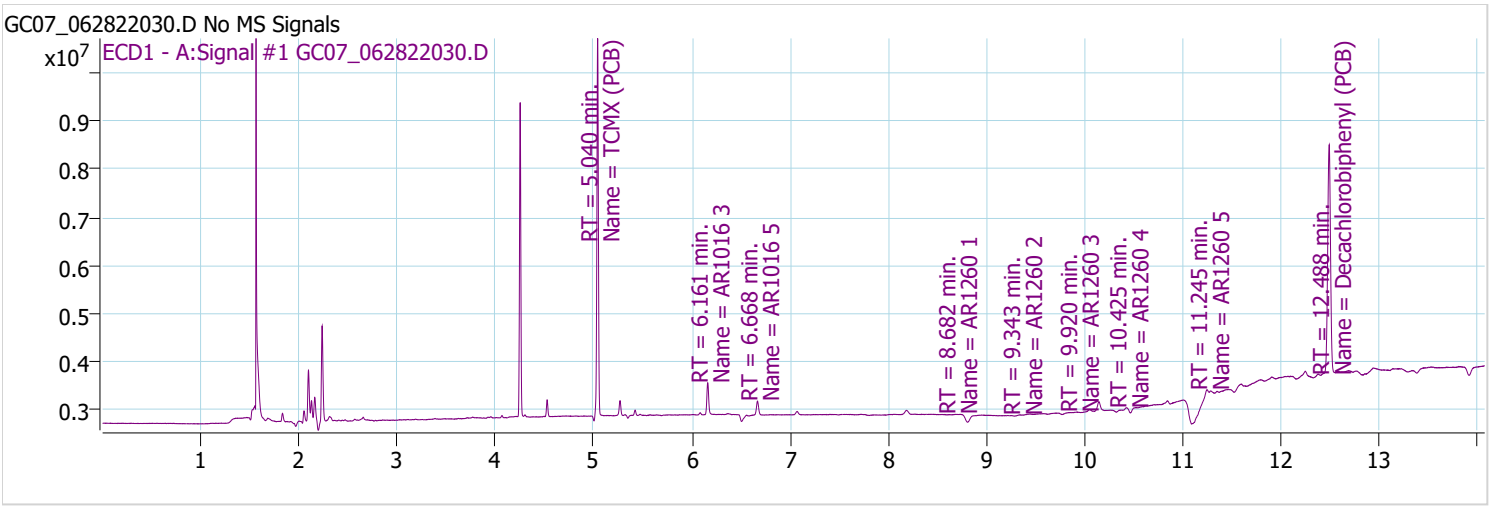
u=use

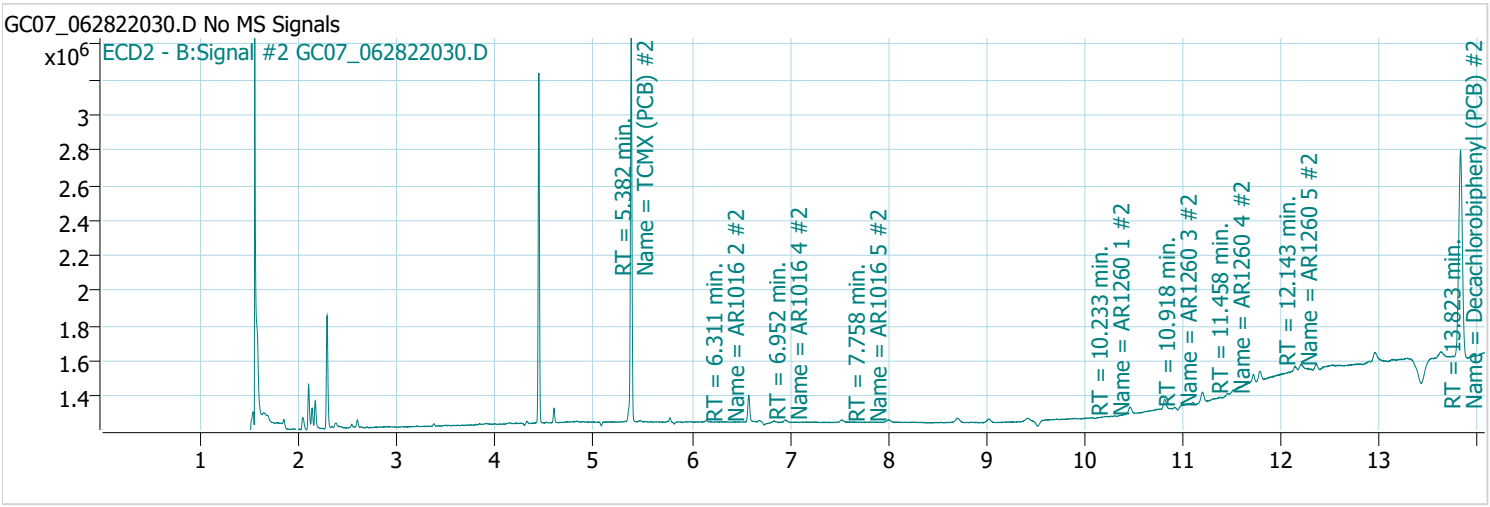
Analyst: TRN 06/29/22 *

Reviewer: SLL 06/29/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC07_062822030.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/28/2022 7:21:57 PM
Sample Name	464785-002, 291960, 1	Instrument	SVOA-GC07
Vial	22	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_2.m	Comment	Wipe/1s-20ml//3580 method
Tune File	ATUNE.U	Tune Date	
Batch Name	062822PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



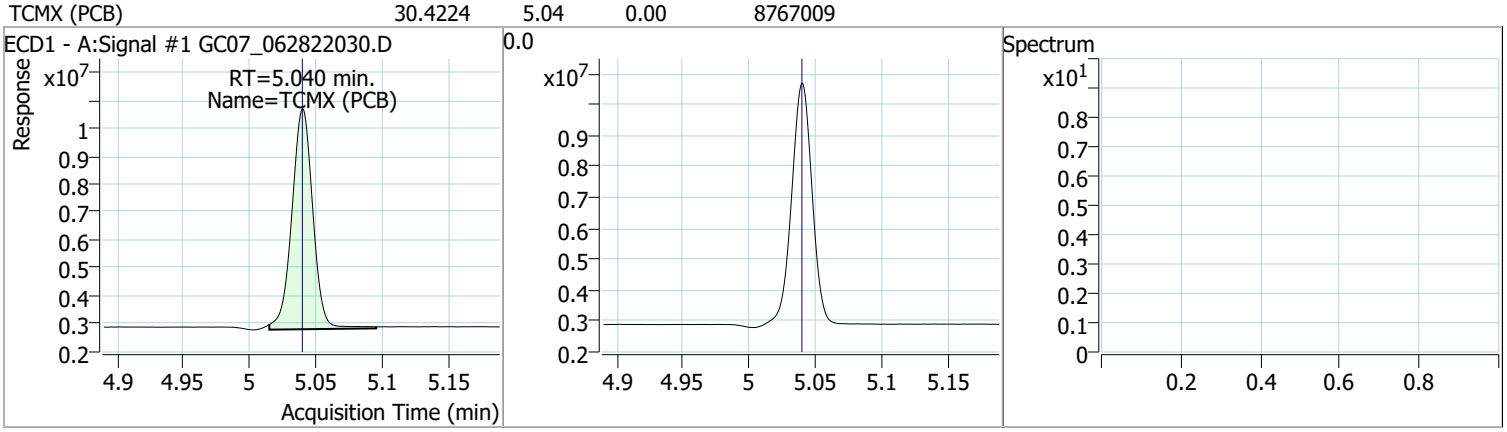


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.252	0.0	6109956.702	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.442	0.0	1689800.253	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.040	0.0	8767009.012	30.4224	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 152.11%		*	
S TCMX (PCB) #2	5.382	0.0	2427846.818	31.6589	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 158.29%		*	
S Decachlorobiphenyl (PCB)	12.488	0.0	9747413.910	28.5589	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 142.79%			
S Decachlorobiphenyl (PCB) #2	13.823	0.0	3045497.326	29.2688	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 146.34%			
Target Compounds							QValue

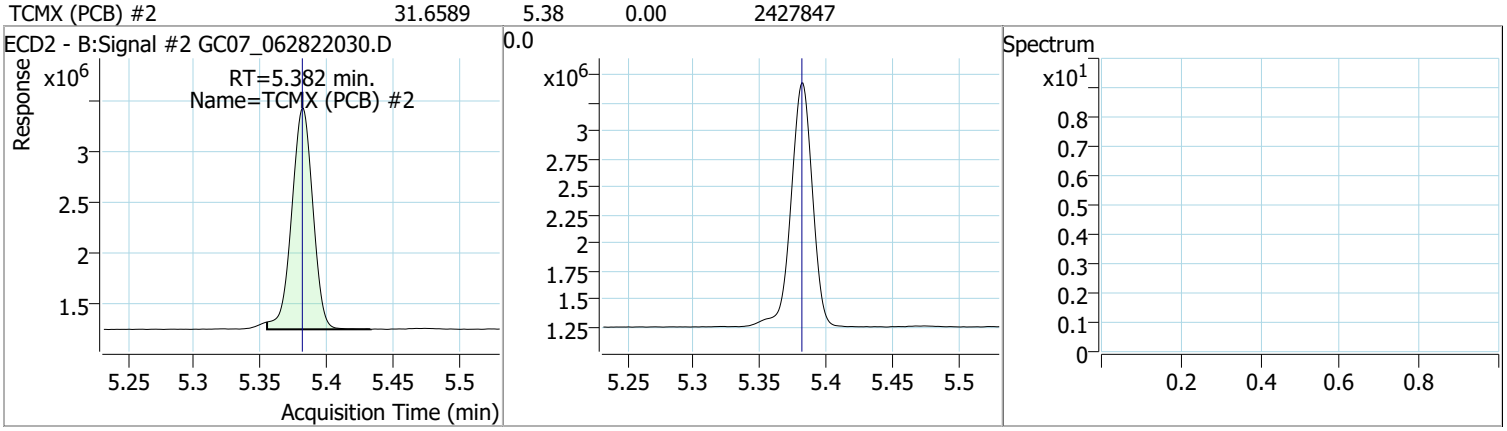
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.422	0.0	346263.447	59.0725	ng/ml	100
T AR1016 2	5.763	0.0	54143.465	4.2619	ng/ml	100
T AR1016 1 #2	5.888	0.0	38956.918	22.8928	ng/ml	100
T AR1016 3	6.161	0.0	898130.449	61.0507	ng/ml	100
T AR1016 2 #2	6.311	0.0	1108.198	0.2991	ng/ml	100
T AR1016 4	6.326	0.0	3260.220	0.3082	ng/ml	100
T AR1016 5	6.668	0.0	366250.900	41.5630	ng/ml	100
T AR1016 3 #2	6.834	0.0	80523.245	18.9443	ng/ml	100
T AR1016 4 #2	6.952	0.0	30445.514	10.3204	ng/ml	100
T AR1016 5 #2	7.758	0.0	381.958	0.1550	ng/ml	100
T AR1260 1	8.682	0.0	772621.195	41.5195	ng/ml	100
T AR1260 2	9.343	0.0	30451.773	1.1400	ng/ml	100
T AR1260 3	9.920	0.0	47966.169	1.7719	ng/ml	100
T AR1260 1 #2	10.233	0.0	21169.246	3.9557	ng/ml	100
T AR1260 4	10.425	0.0	435048.050	31.4374	ng/ml	100
T AR1260 2 #2	10.516	0.0	5748.187	0.9668	ng/ml	100
T AR1260 3 #2	10.918	0.0	21396.484	2.9237	ng/ml	100
T AR1260 5	11.245	0.0	1413159.718	111.2285	ng/ml	100
T AR1260 4 #2	11.458	0.0	12929.204	3.1489	ng/ml	100
T AR1260 5 #2	12.143	0.0	75990.995	12.8788	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

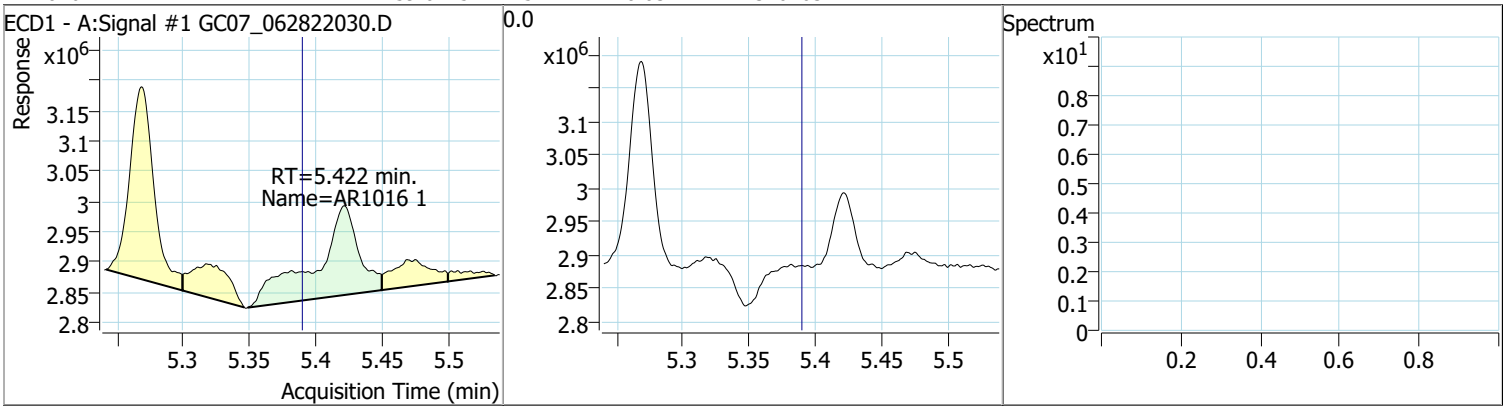
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	30.4224	5.04	0.00	8767009				



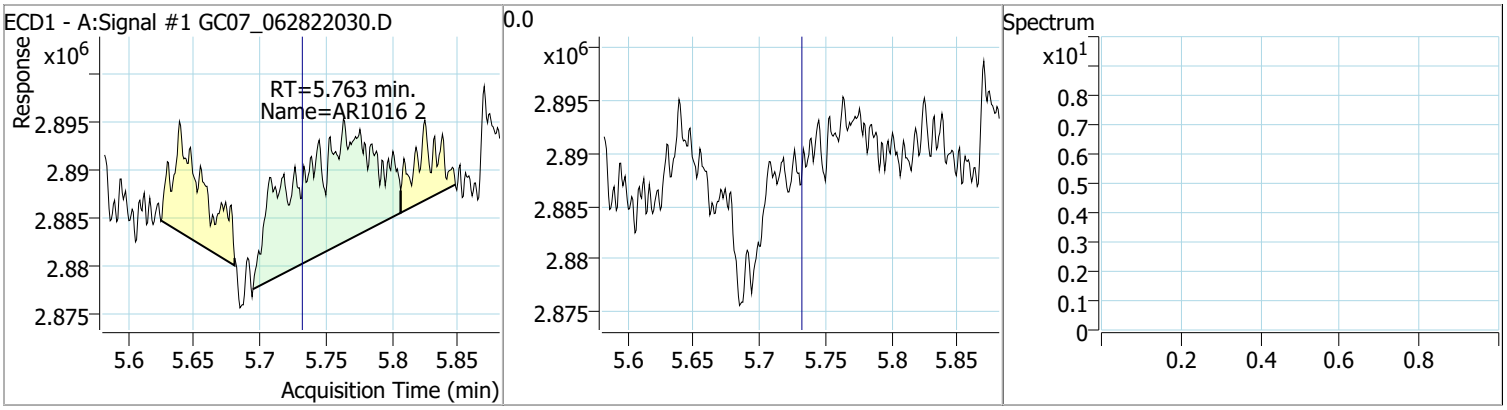
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	31.6589	5.38	0.00	2427847				



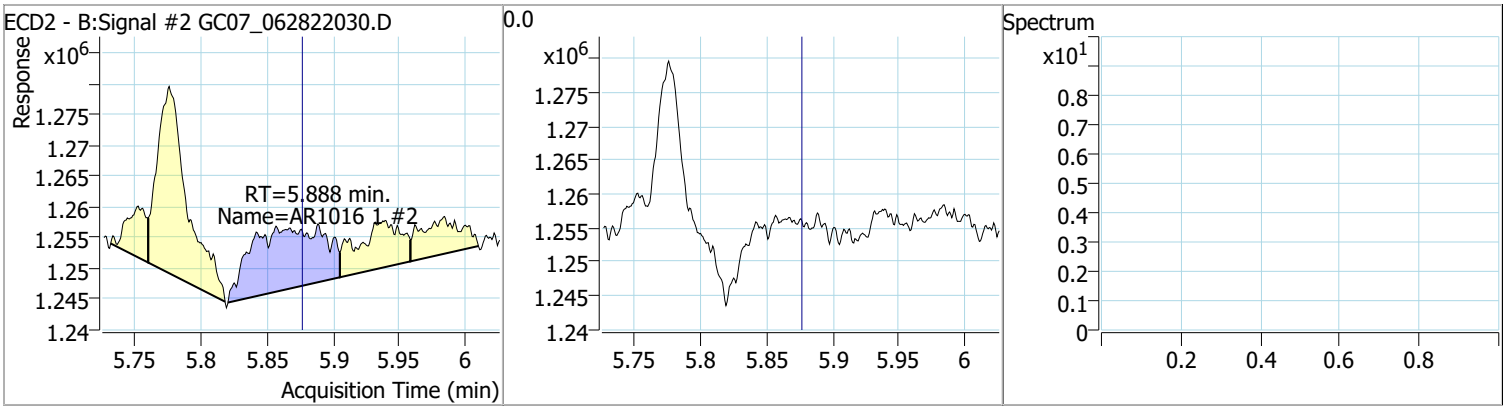
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	59.0725	5.42	0.03	346263				



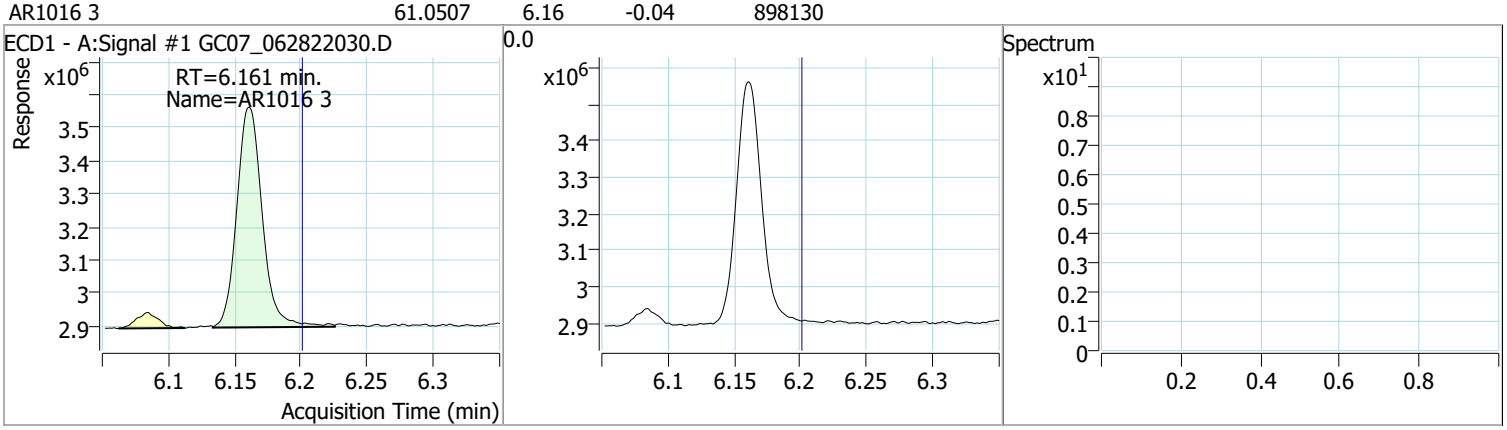
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	4.2619	5.76	0.03	54143				



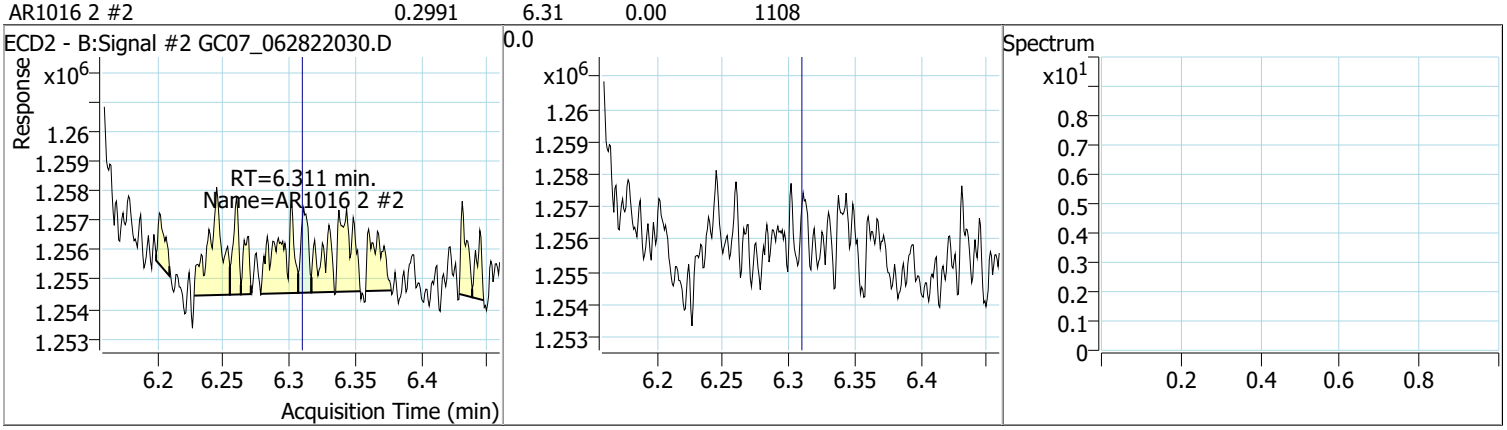
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	22.8928	5.89	0.01	38957				



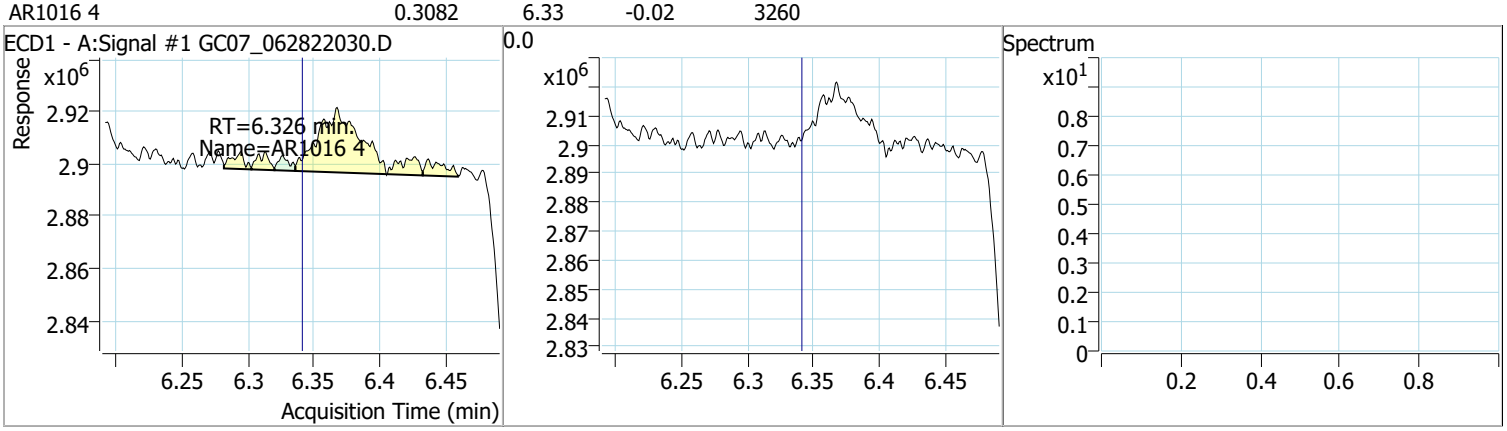
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	61.0507	6.16	-0.04	898130				



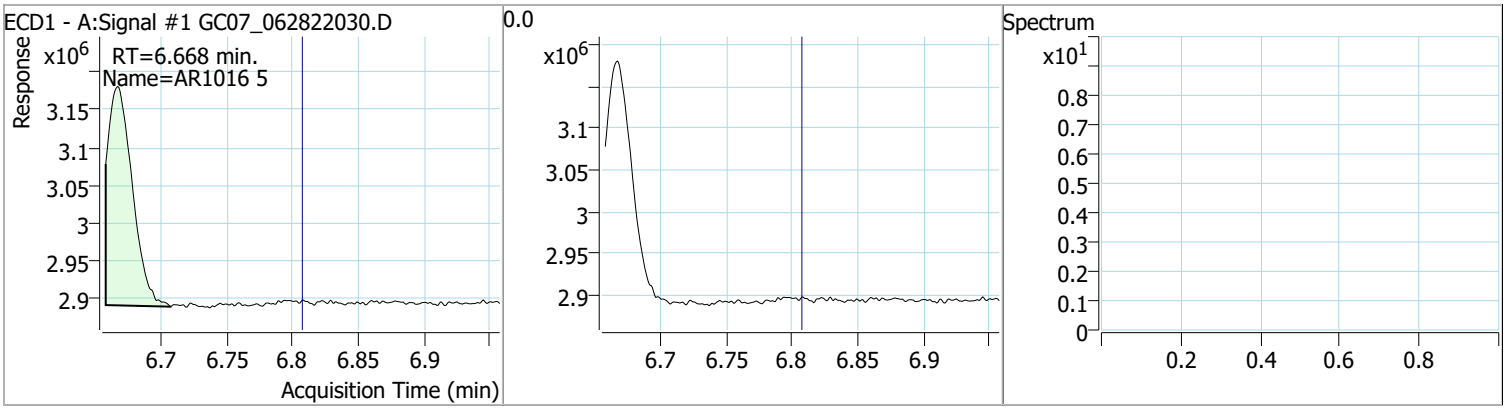
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	0.2991	6.31	0.00	1108				



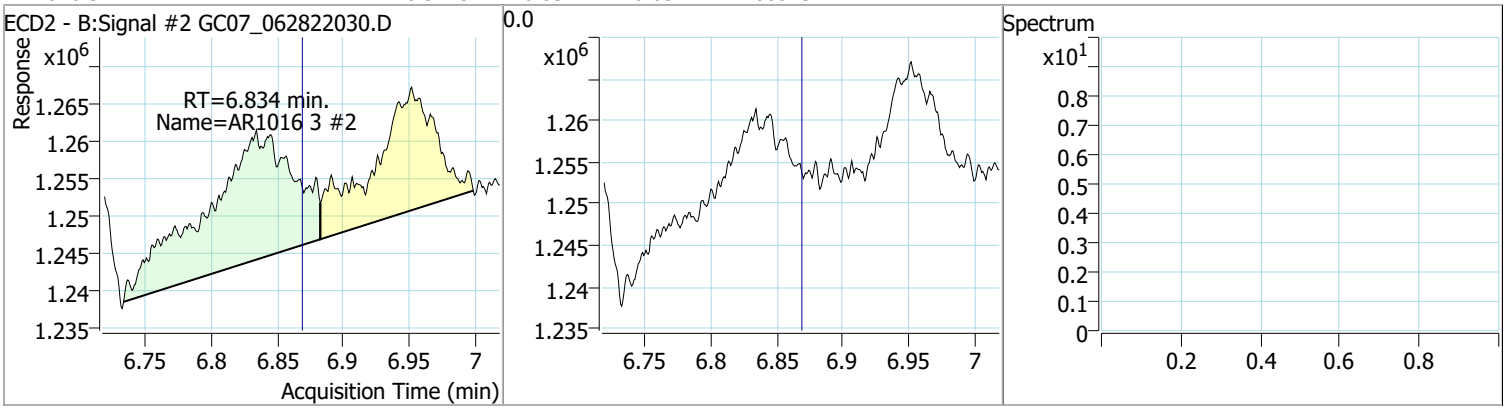
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	0.3082	6.33	-0.02	3260				



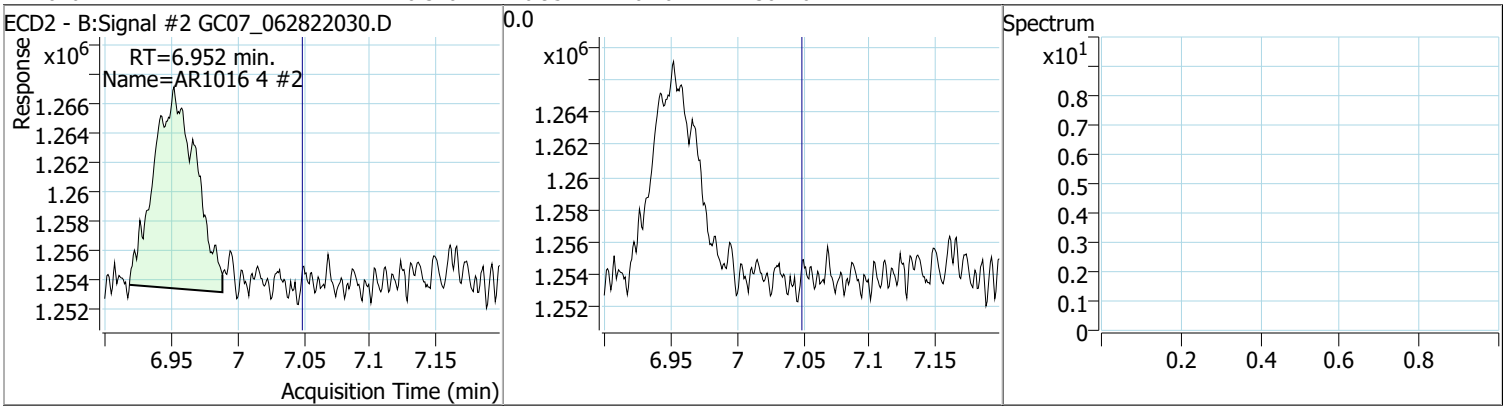
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	41.5630	6.67	-0.14	366251				



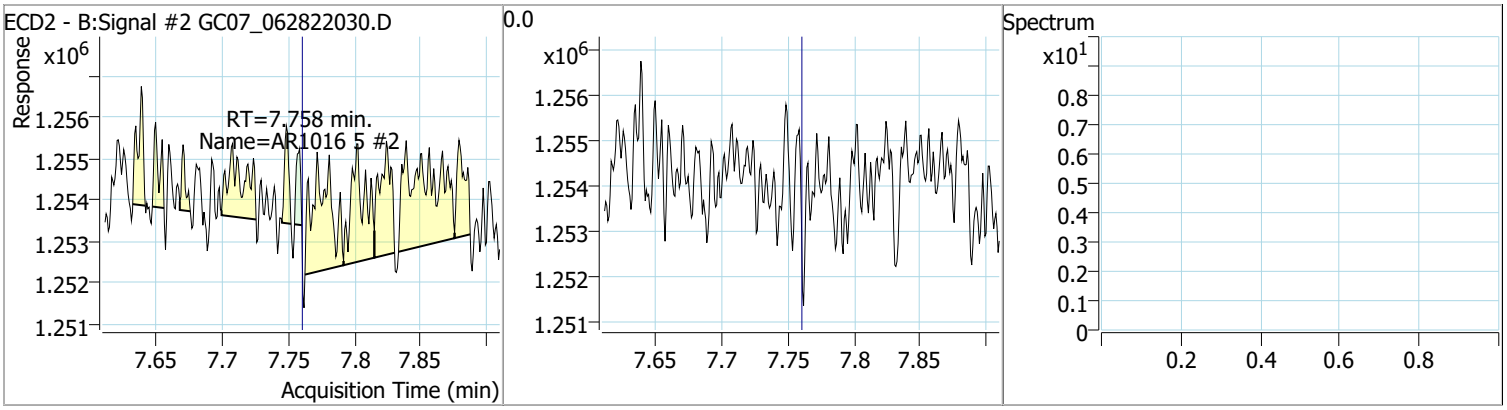
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	18.9443	6.83	-0.03	80523				



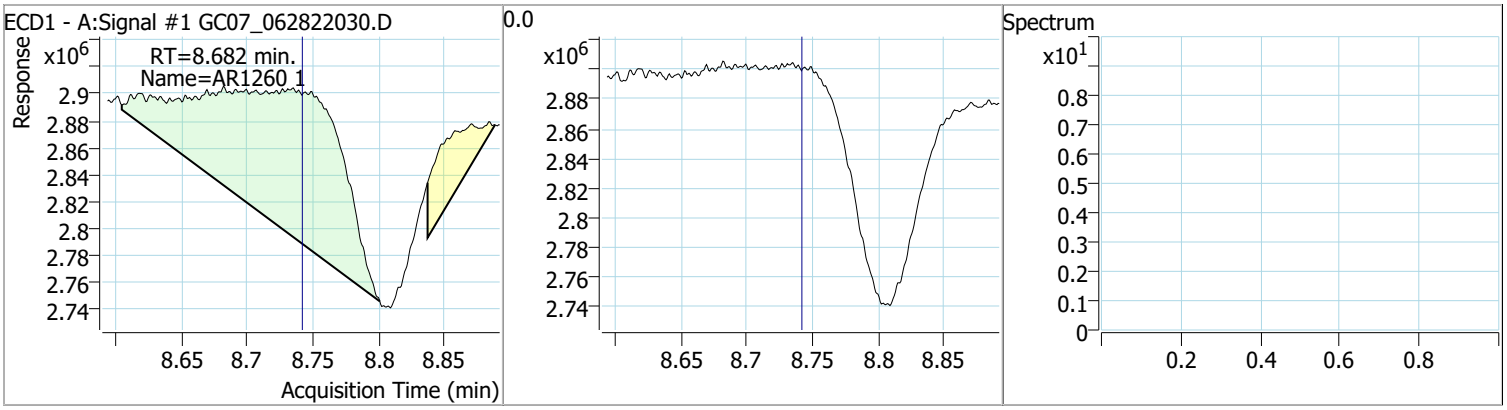
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	10.3204	6.95	-0.10	30446				



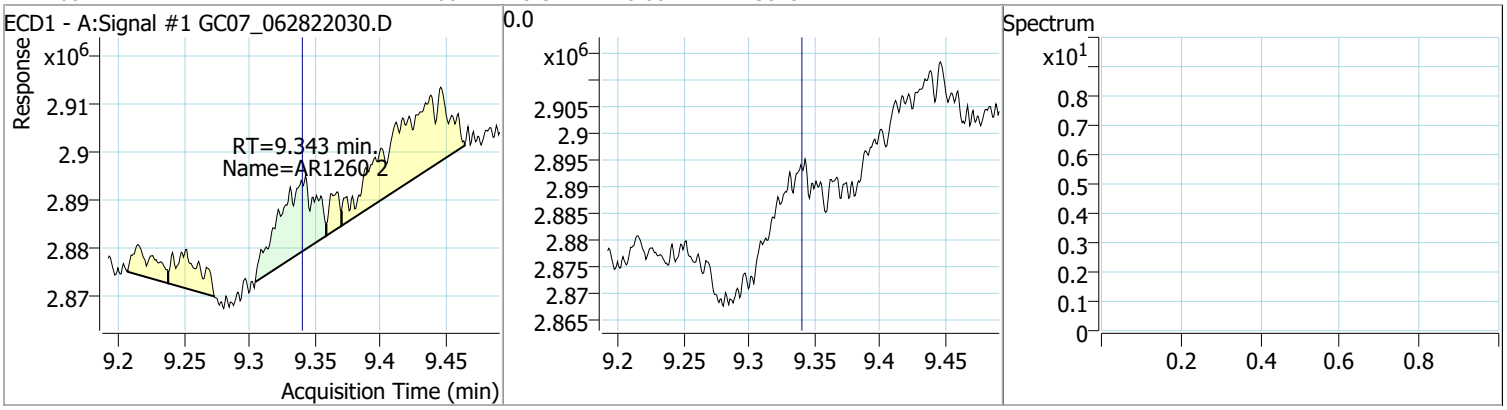
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.1550	7.76	0.00	382				



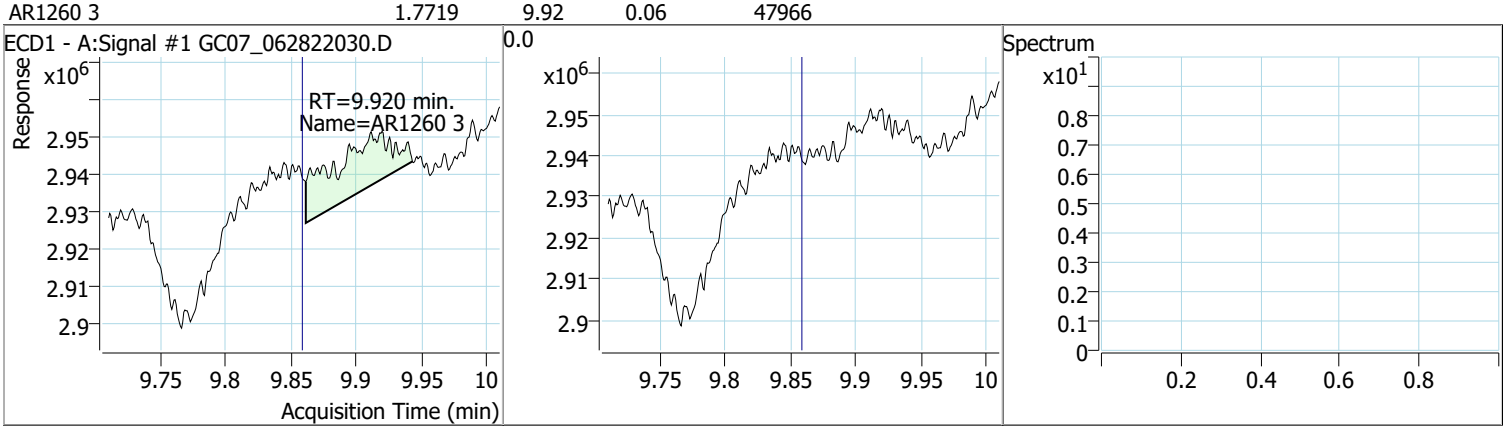
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	41.5195	8.68	-0.06	772621				



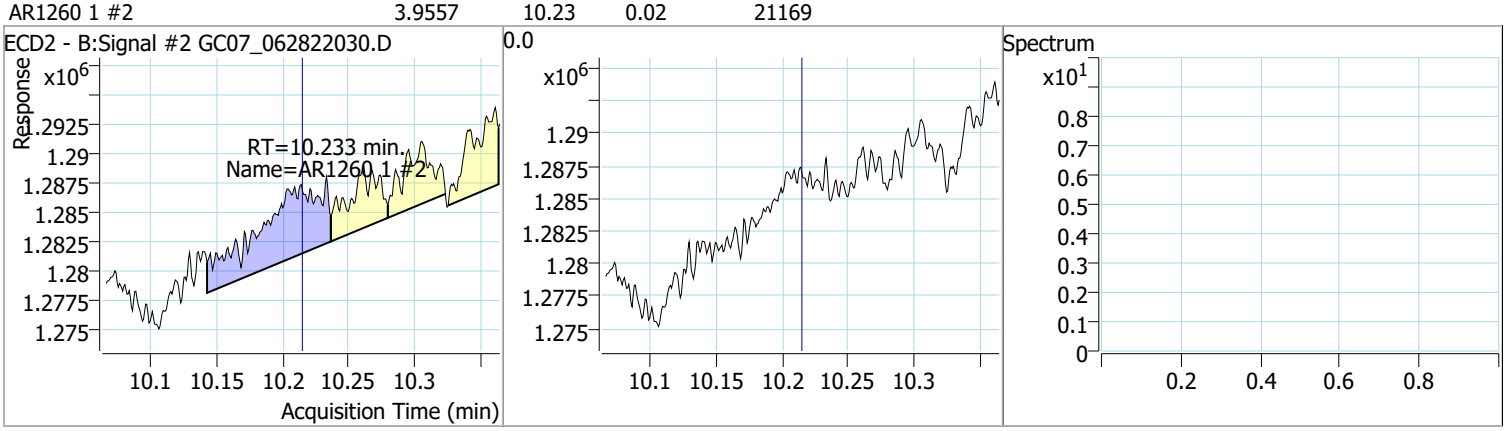
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.1400	9.34	0.00	30452				



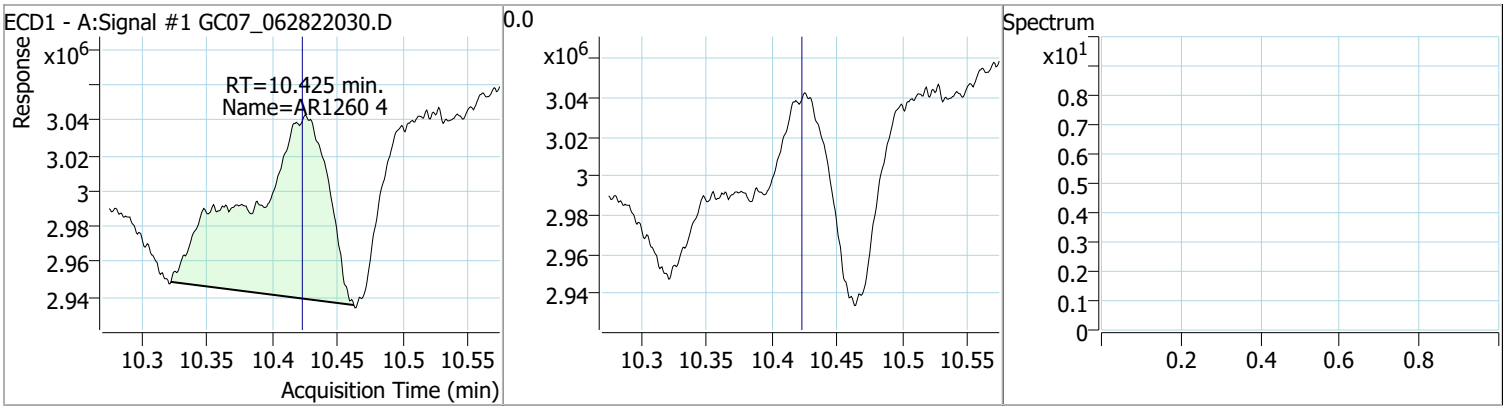
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1.7719	9.92	0.06	47966				



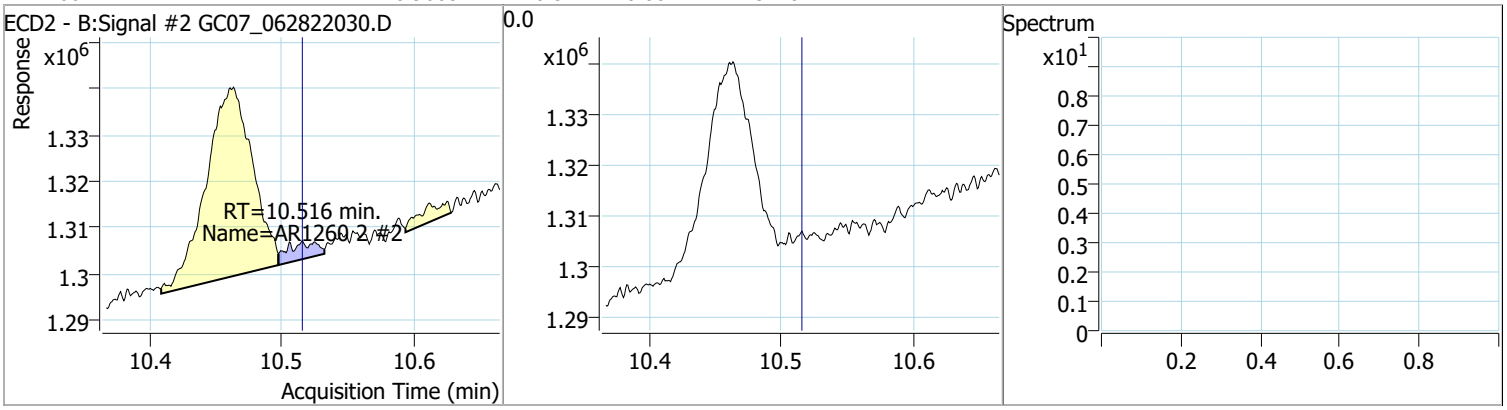
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	3.9557	10.23	0.02	21169				



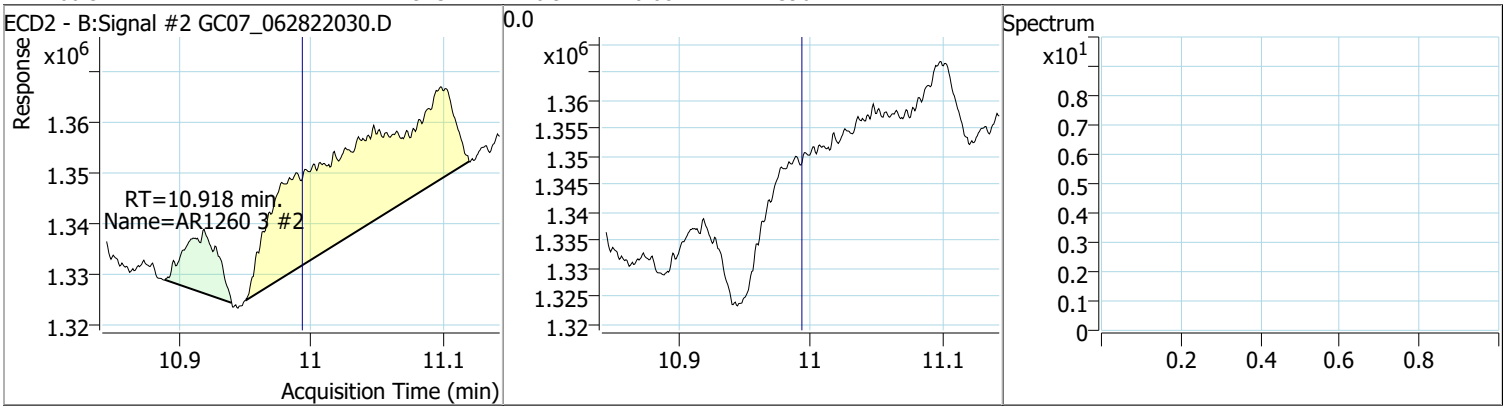
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	31.4374	10.43	0.00	435048				



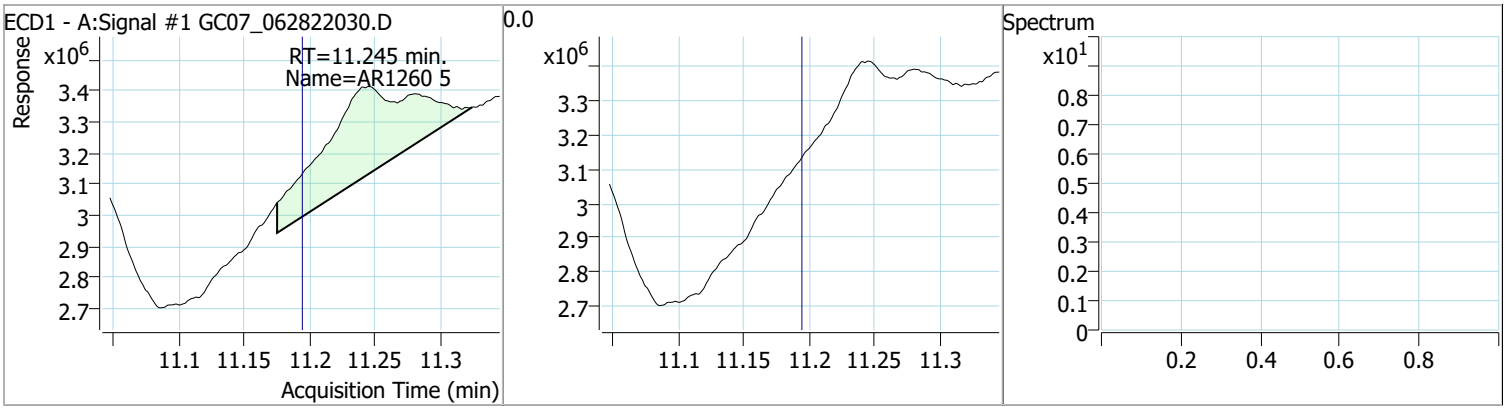
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	0.9668	10.52	0.00	5748				



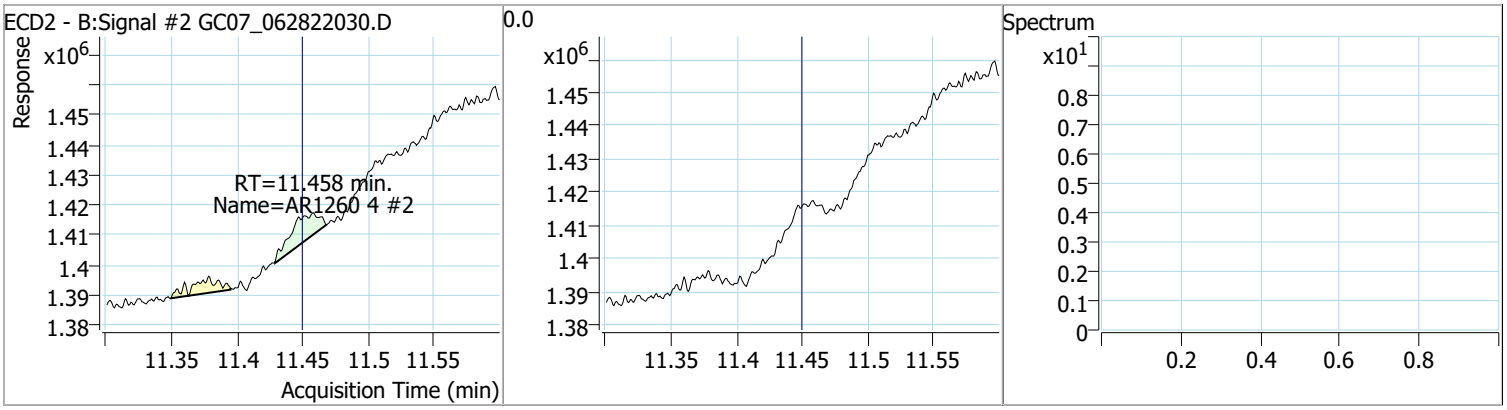
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	2.9237	10.92	-0.08	21396				



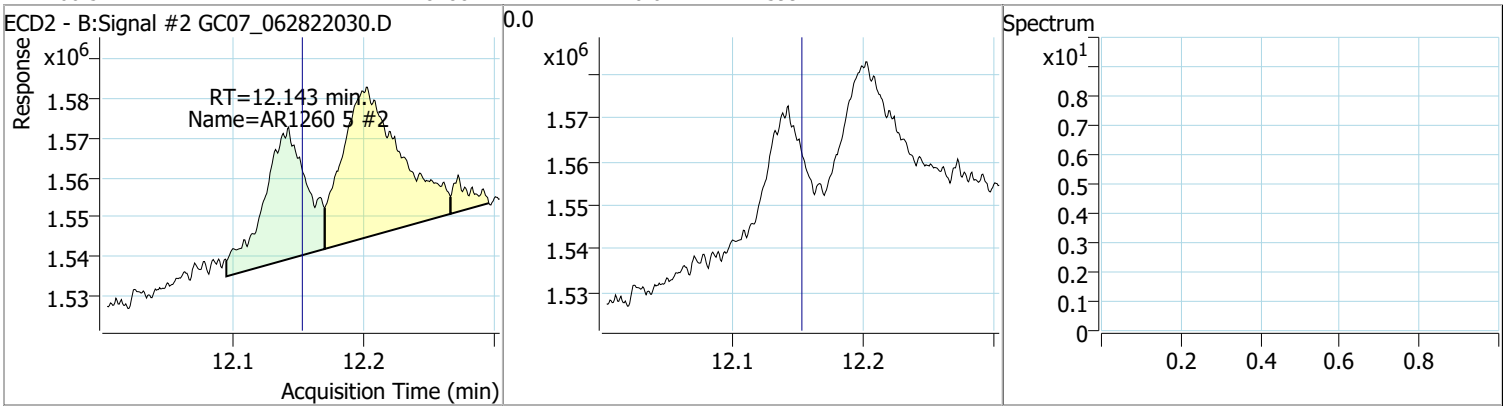
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	111.2285	11.25	0.05	1413160				



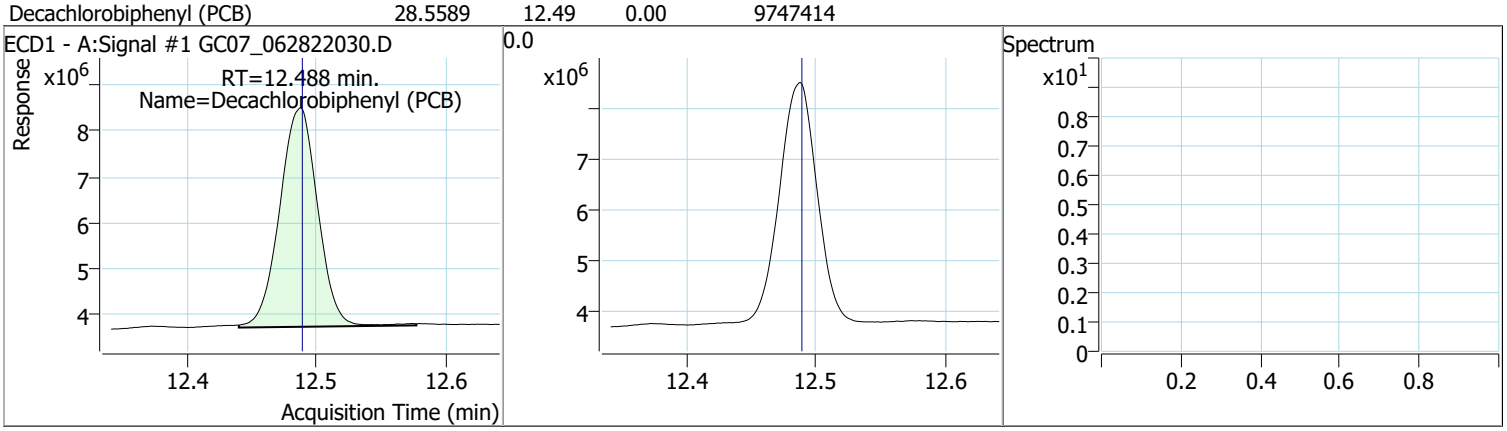
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	3.1489	11.46	0.01	12929				



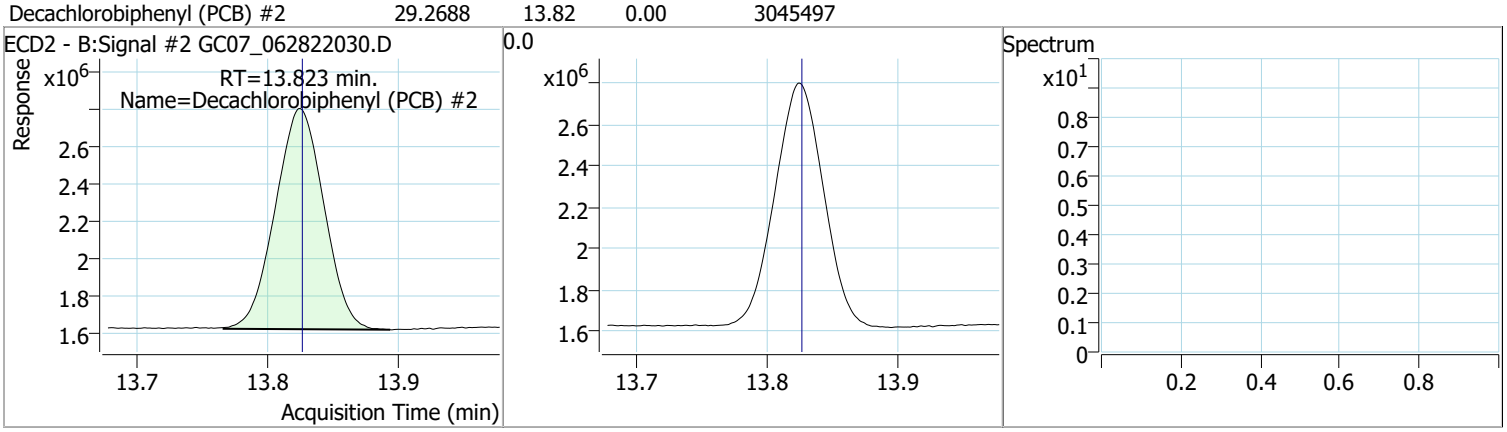
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	12.8788	12.14	-0.01	75991				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	28.5589	12.49	0.00	9747414				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	29.2688	13.82	0.00	3045497				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	464785-004	Client ID:	DOOR-N-0.3GW-DG-6 TO 20-220623-P-G
Seqnum:	462258436031.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_062822031	Batch:	291960	Time:	28-JUN-2022 19:39
Cal:	462252739001	Caldate:	25-JUN-2022		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	11.53	ug/L	ND	0.45	65%	1.0		u
Aroclor-1016 Peak # 1	B	20.63	ug/L	0.41	1.13	93%			
Aroclor-1016 Peak # 2	B	0.7471	ug/L	0.01	0.08	135%			
Aroclor-1016 Peak # 3	B	34.62	ug/L	0.69	0.90	26%			
Aroclor-1016 Peak # 4	B	1.481	ug/L	0.03	0.10	110%			
Aroclor-1016 Peak # 5	B	0.1697	ug/L	0.00	0.07	180%			
Aroclor-1221	B			ND			1.0		u
Aroclor-1232	B			ND			1.0		u
Aroclor-1242	B			ND			1.0		u
Aroclor-1248	B			ND			1.0		u
Aroclor-1254	B			ND			1.0		u
Aroclor-1260	B	5.859	ug/L	ND	0.81	149%	1.0		u
Aroclor-1260 Peak # 1	B	3.353	ug/L	0.07	0.78	168%			
Aroclor-1260 Peak # 2	B	1.125	ug/L	0.02	0.04	56%			
Aroclor-1260 Peak # 3	B	3.849	ug/L	0.08	0.01	158%			
Aroclor-1260 Peak # 4	B	4.391	ug/L	0.09	0.62	151%			
Aroclor-1260 Peak # 5	B	16.58	ug/L	0.33	2.60	155%			
Aroclor-1268	B			ND			1.0		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	30.47	pg/uL	1.000	0.6093	61	52-186	u
Decachlorobiphenyl (PCB)	B	30.32	pg/uL	1.000	0.6065	61	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221)

ISTD (CCV gc07_062822004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1389469	1536965	10.62
1-bromo-2-nitrobenzene (PCB)	A	5233508	5273020	0.75

ISTD (ICAL gc07_062822026)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	1445468	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1254)	A	5189113	**???**	**-100.00 ***

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221)

ISTD (CCV gc07_062822004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.25	4.25	0.00

ISTD (ICAL gc07_062822026)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1254)	B	4.44	**???**	
1-bromo-2-nitrobenzene (1254)	A	4.25	**???**	

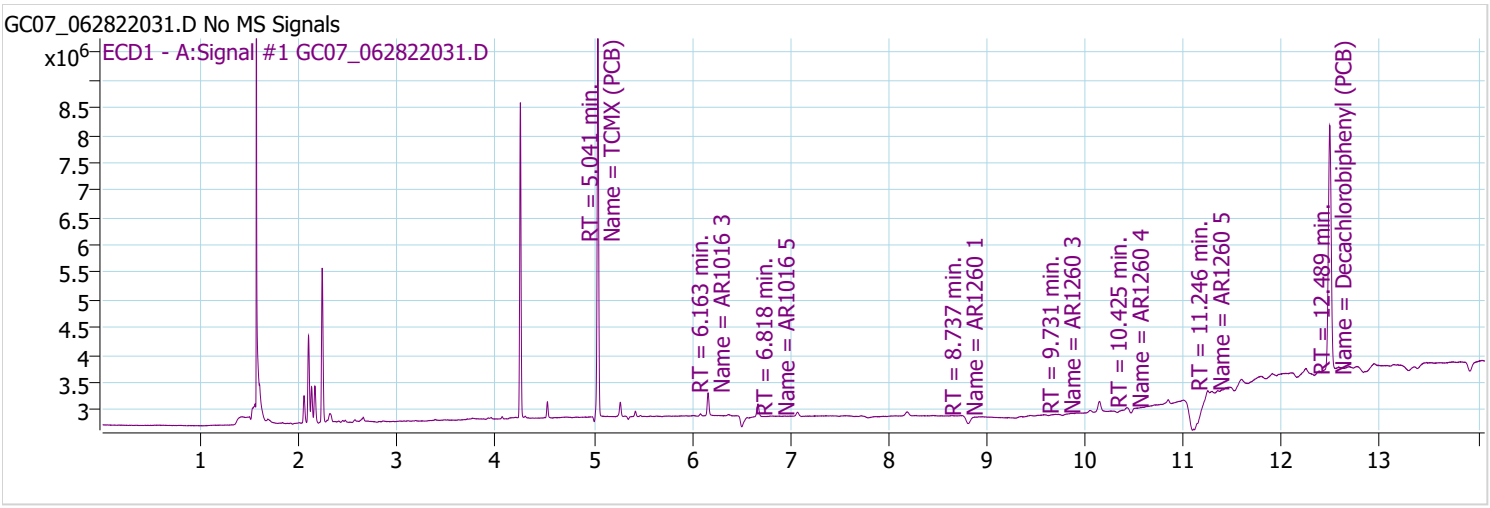
u=use

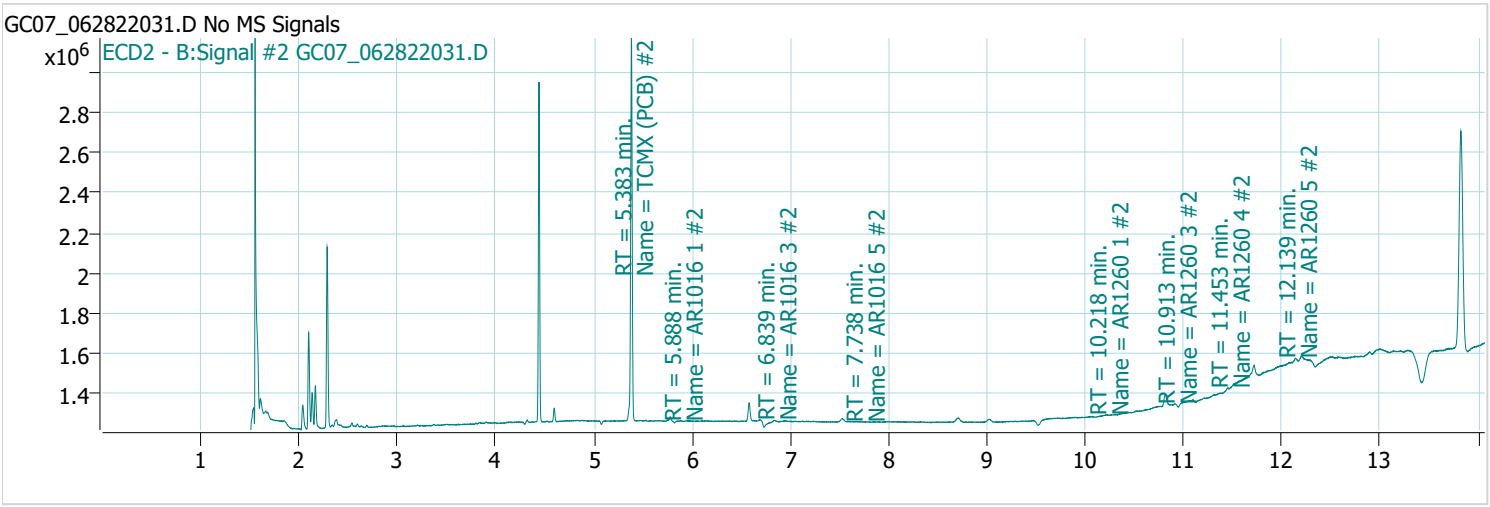
Analyst: TRN 06/29/22 *

Reviewer: SLL 06/29/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC07_062822031.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/28/2022 7:39:27 PM
Sample Name	464785-004, 291960, 1	Instrument	SVOA-GC07
Vial	23	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_2.m	Comment	Wipe/1s-20ml//3580 method
Tune File	ATUNE.U	Tune Date	
Batch Name	062822PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



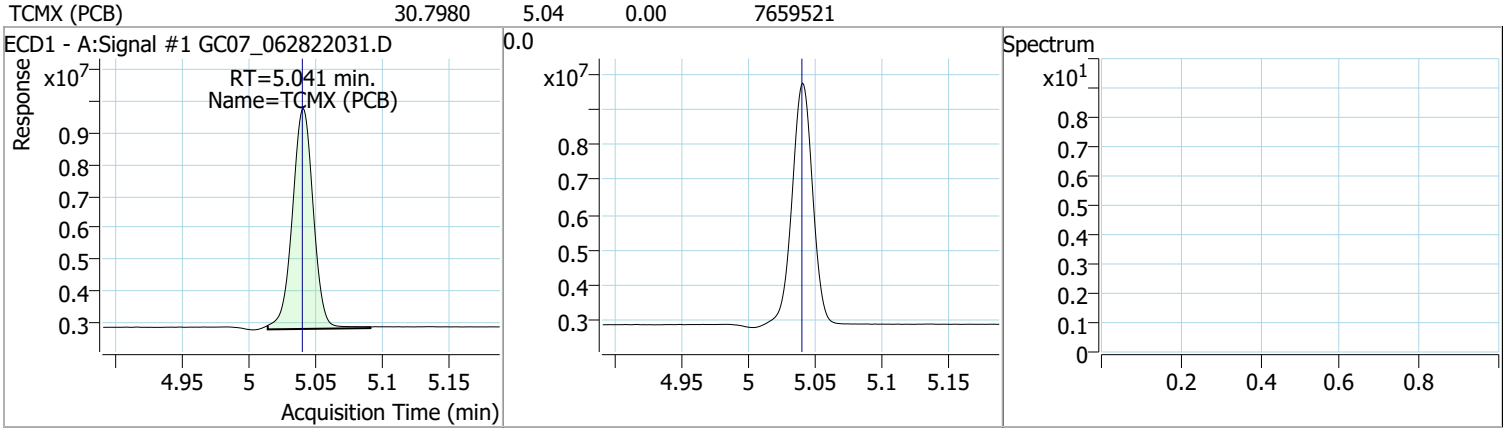


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.252	0.0	5273019.638	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.442	0.0	1536964.837	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.041	0.0	7659521.243	30.7980	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 153.99%		*	
S TCMX (PCB) #2	5.383	0.0	2123899.262	30.4495	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 152.25%		*	
S Decachlorobiphenyl (PCB)	12.489	0.0	9231674.099	31.3408	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 156.70%		*	
S Decachlorobiphenyl (PCB) #2	13.823	0.0	2868281.471	30.3068	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 151.53%		*	
Target Compounds							QValue

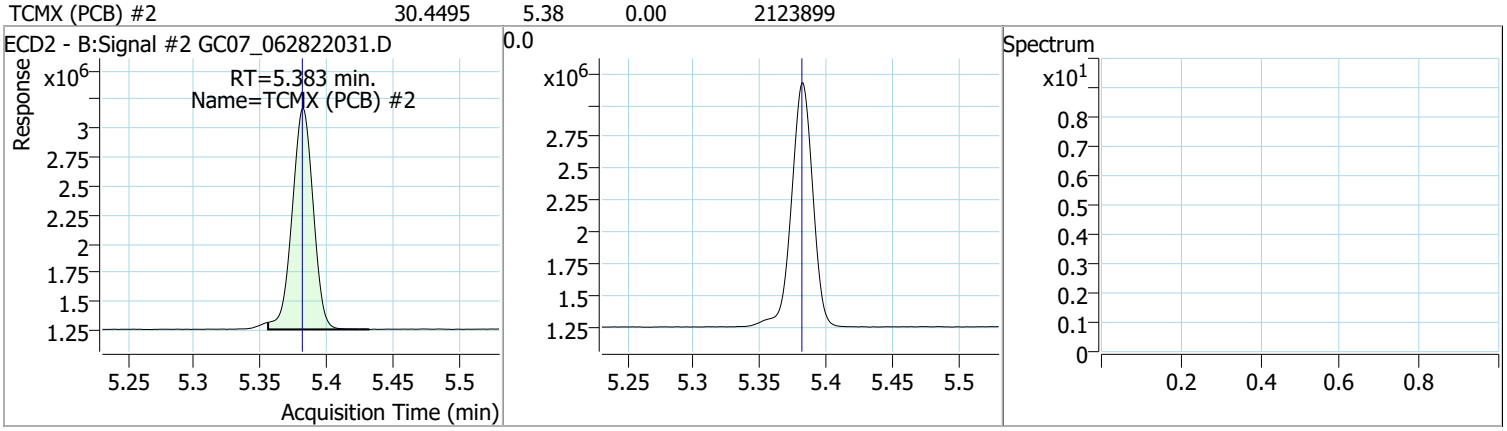
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.422	0.0	286134.877	56.5625	ng/ml	100
T AR1016 2	5.757	0.0	42246.929	3.8533	ng/ml	100
T AR1016 1 #2	5.888	0.0	31914.377	20.6192	ng/ml	100
T AR1016 3	6.163	0.0	569037.266	44.8199	ng/ml	100
T AR1016 2 #2	6.308	0.0	2516.819	0.7467	ng/ml	100
T AR1016 4	6.377	0.0	46324.102	5.0739	ng/ml	100
T AR1016 5	6.818	0.0	24710.274	3.2493	ng/ml	100
T AR1016 3 #2	6.839	0.0	133759.292	34.5982	ng/ml	100
T AR1016 4 #2	7.047	0.0	3970.400	1.4797	ng/ml	100
T AR1016 5 #2	7.738	0.0	380.204	0.1696	ng/ml	100
T AR1260 1	8.737	0.0	622499.926	38.7617	ng/ml	100
T AR1260 2	9.348	0.0	46130.594	2.0010	ng/ml	100
T AR1260 3	9.731	0.0	10604.280	0.4539	ng/ml	100
T AR1260 1 #2	10.218	0.0	16312.405	3.3512	ng/ml	100
T AR1260 4	10.425	0.0	372646.777	31.2022	ng/ml	100
T AR1260 2 #2	10.524	0.0	6080.094	1.1243	ng/ml	100
T AR1260 3 #2	10.913	0.0	25604.152	3.8466	ng/ml	100
T AR1260 5	11.246	0.0	1422176.063	129.7050	ng/ml	100
T AR1260 4 #2	11.453	0.0	16391.135	4.3890	ng/ml	100
T AR1260 5 #2	12.139	0.0	88911.715	16.5670	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

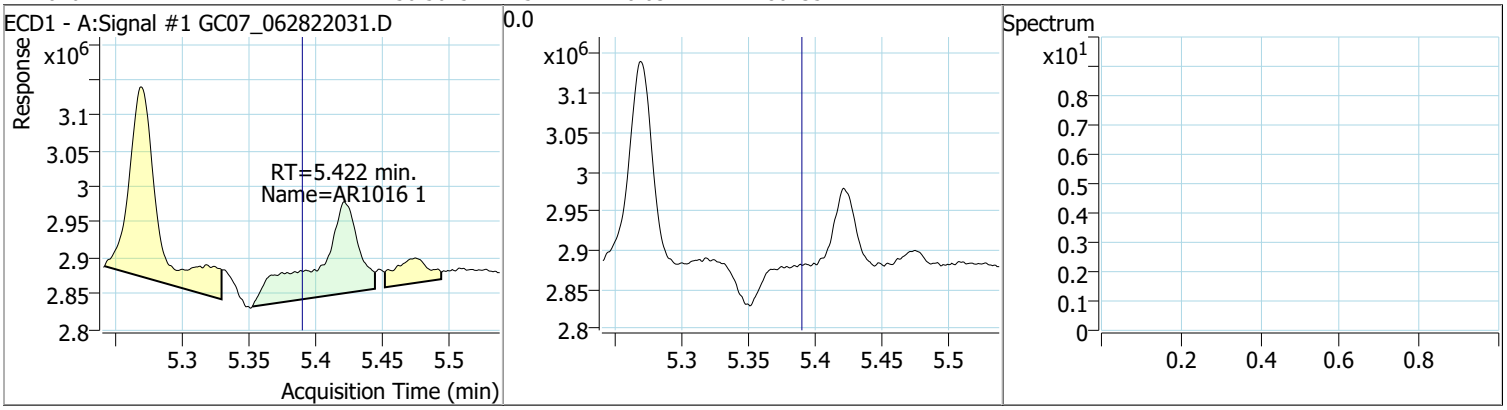
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	30.7980	5.04	0.00	7659521				



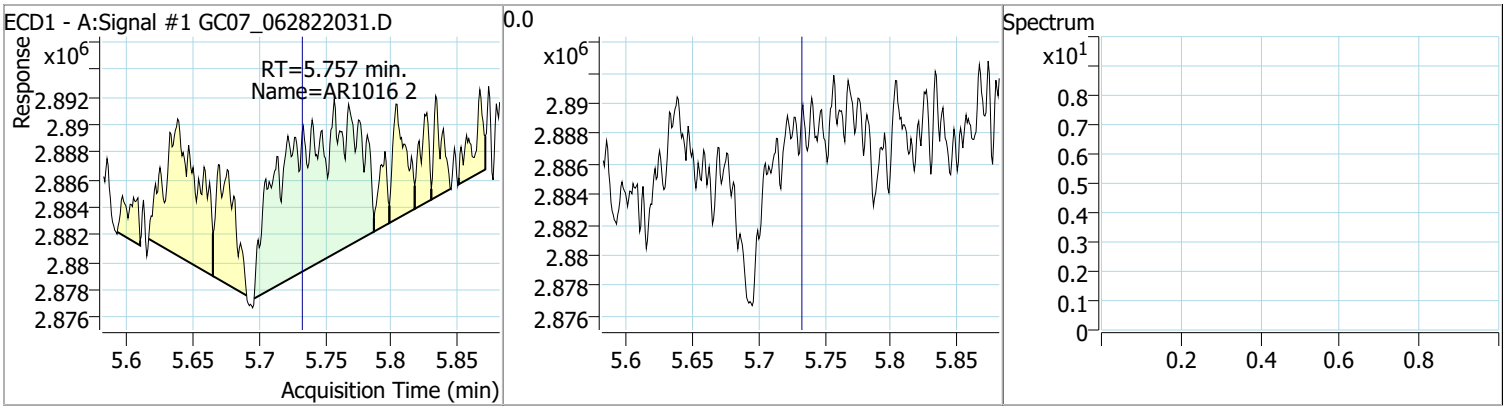
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	30.4495	5.38	0.00	2123899				



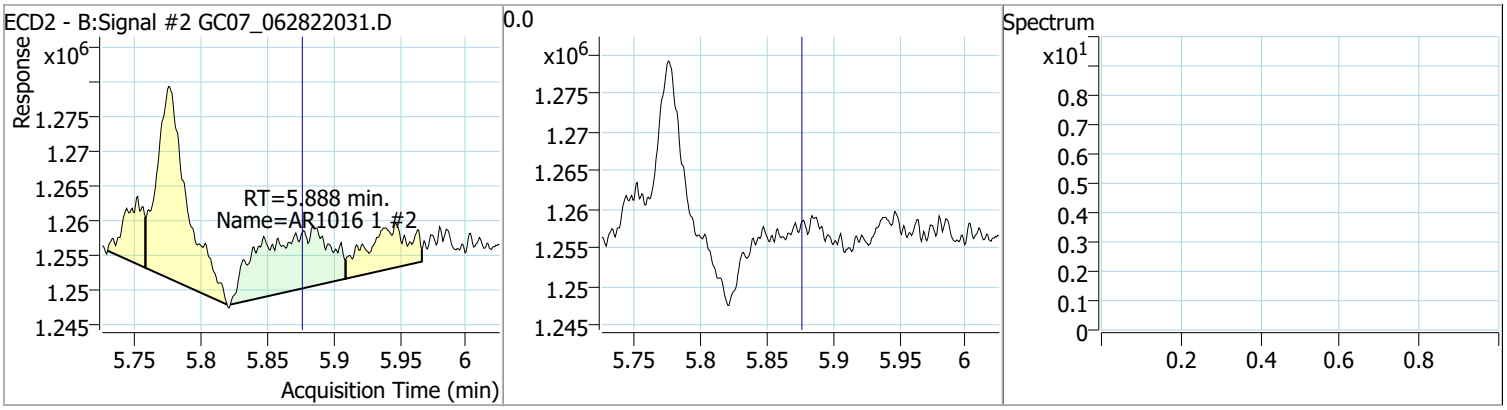
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	56.5625	5.42	0.03	286135				



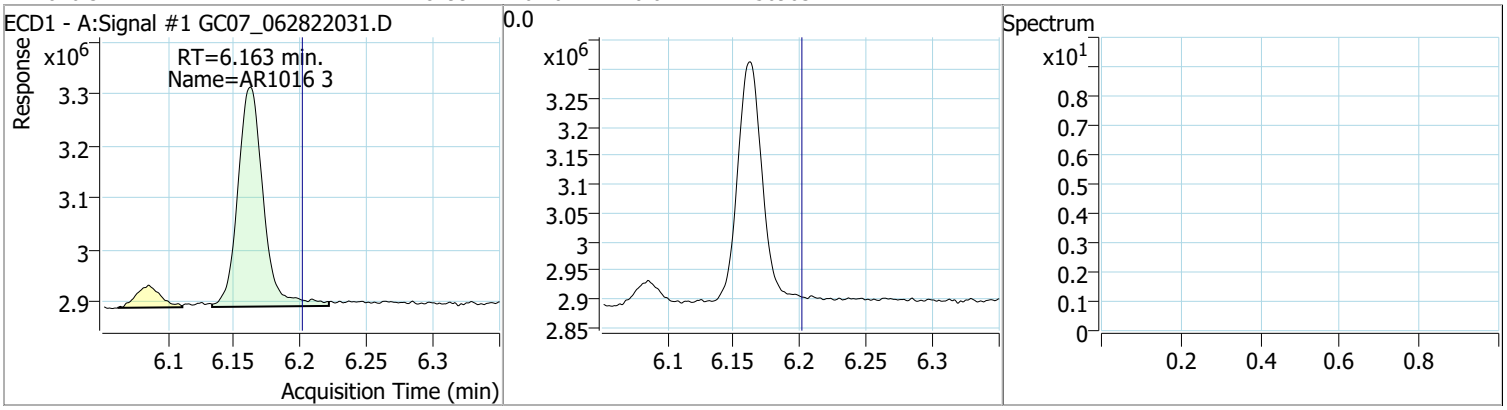
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	3.8533	5.76	0.02	42247				



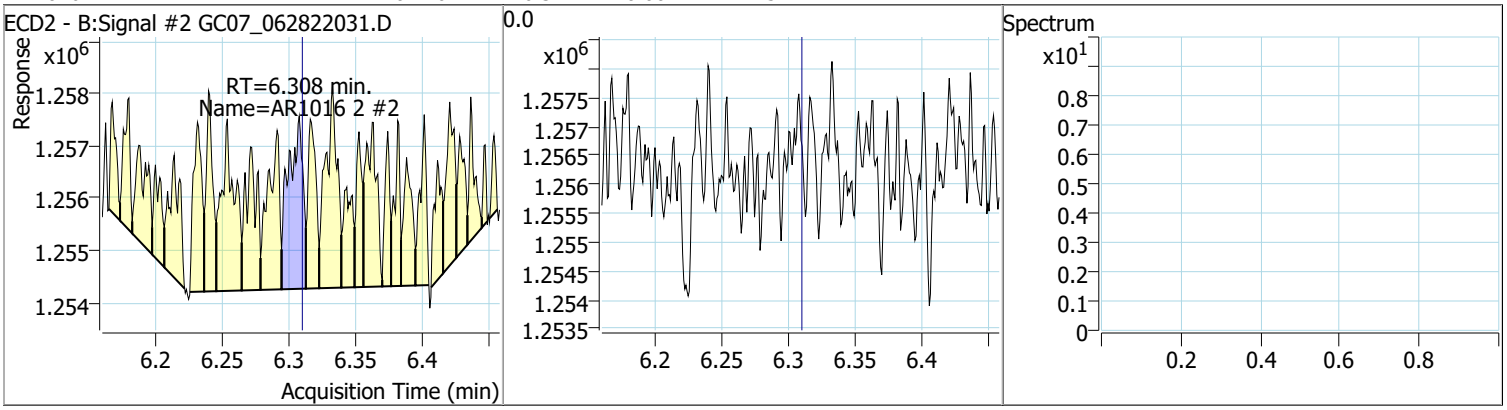
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	20.6192	5.89	0.01	31914				



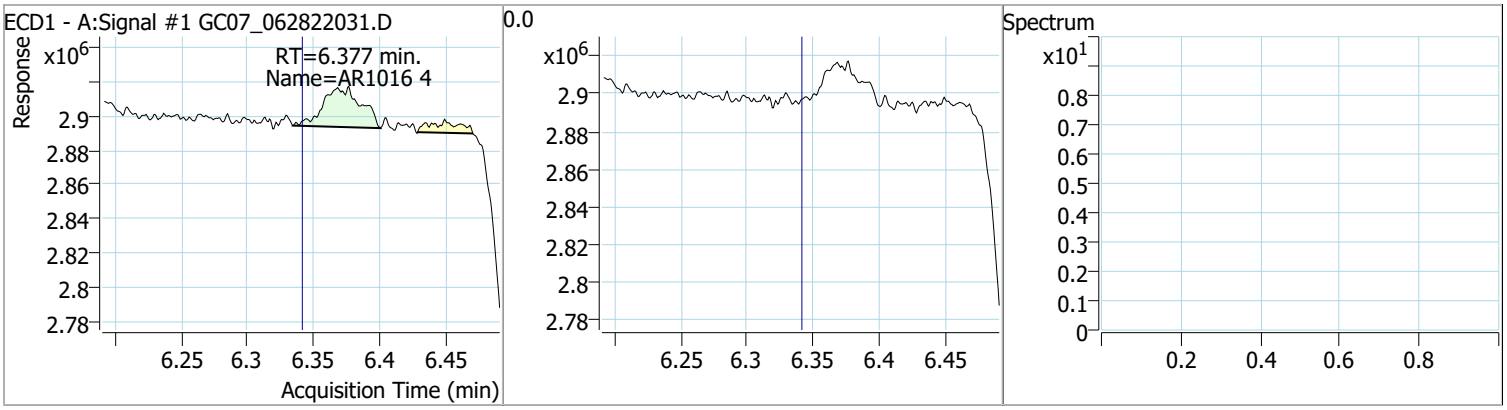
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	44.8199	6.16	-0.04	569037				



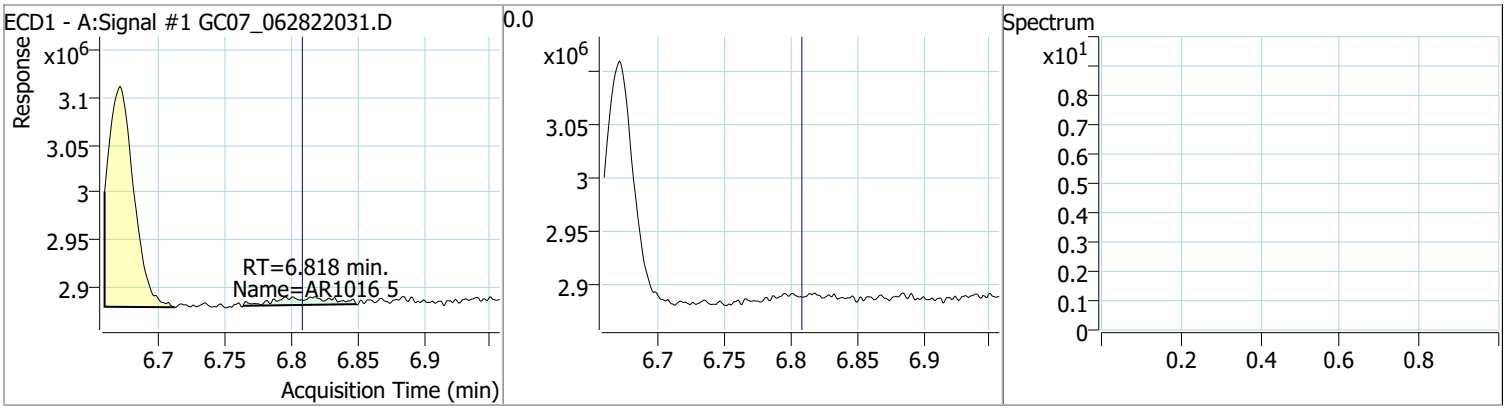
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	0.7467	6.31	0.00	2517				



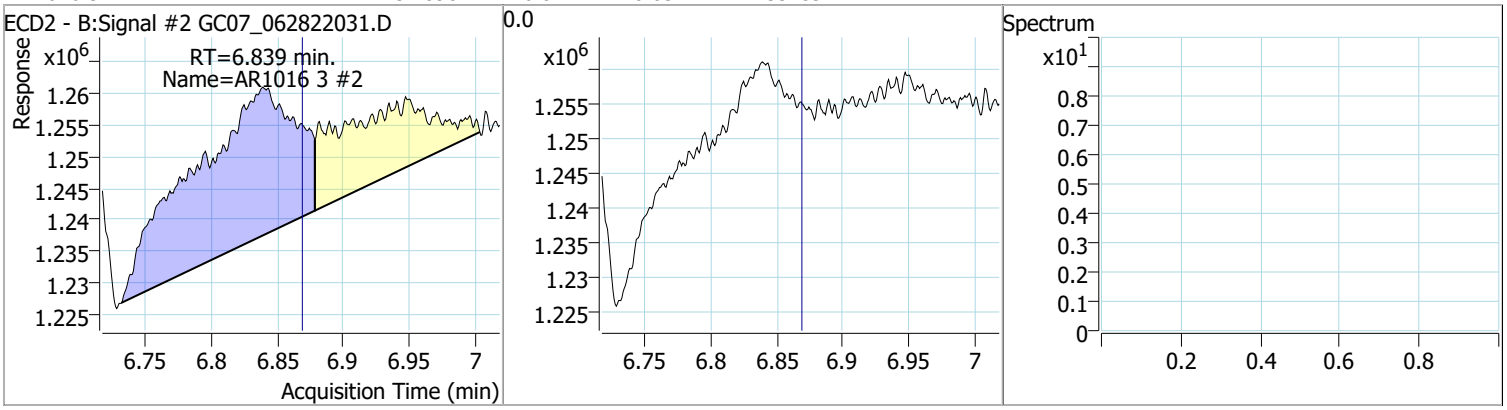
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	5.0739	6.38	0.03	46324				



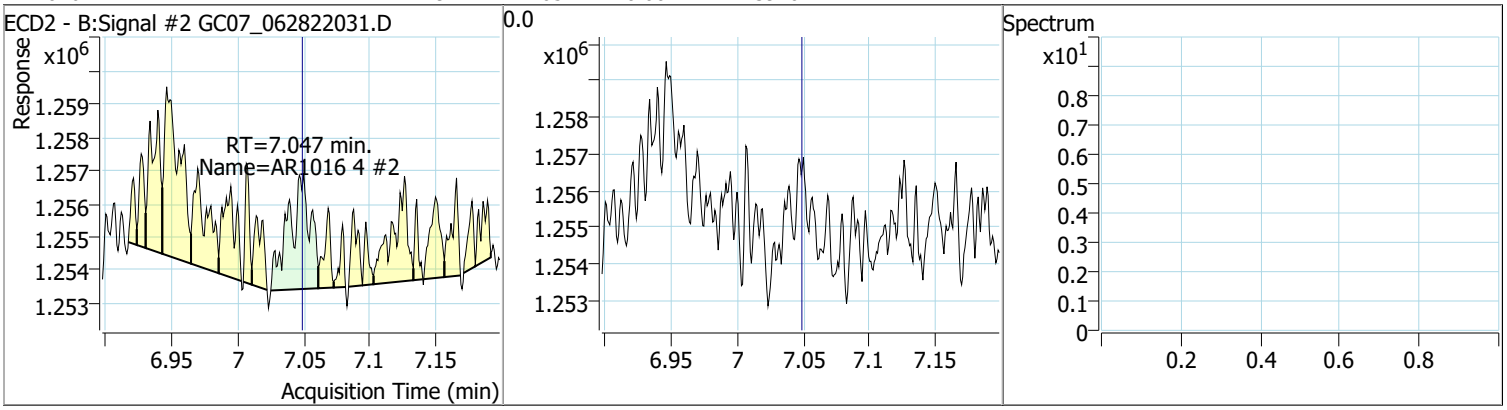
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	3.2493	6.82	0.01	24710				



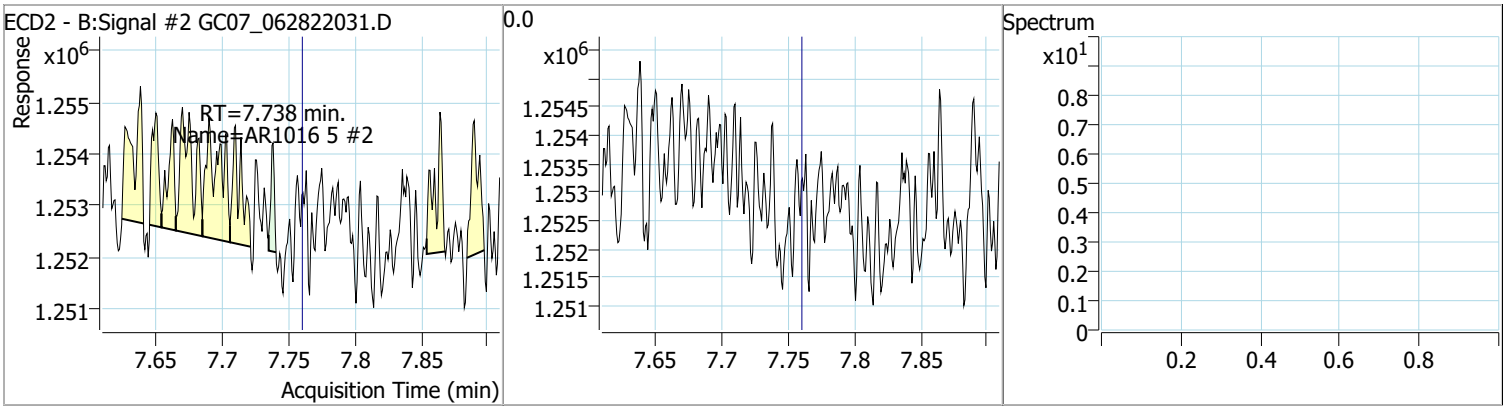
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	34.5982	6.84	-0.03	133759				



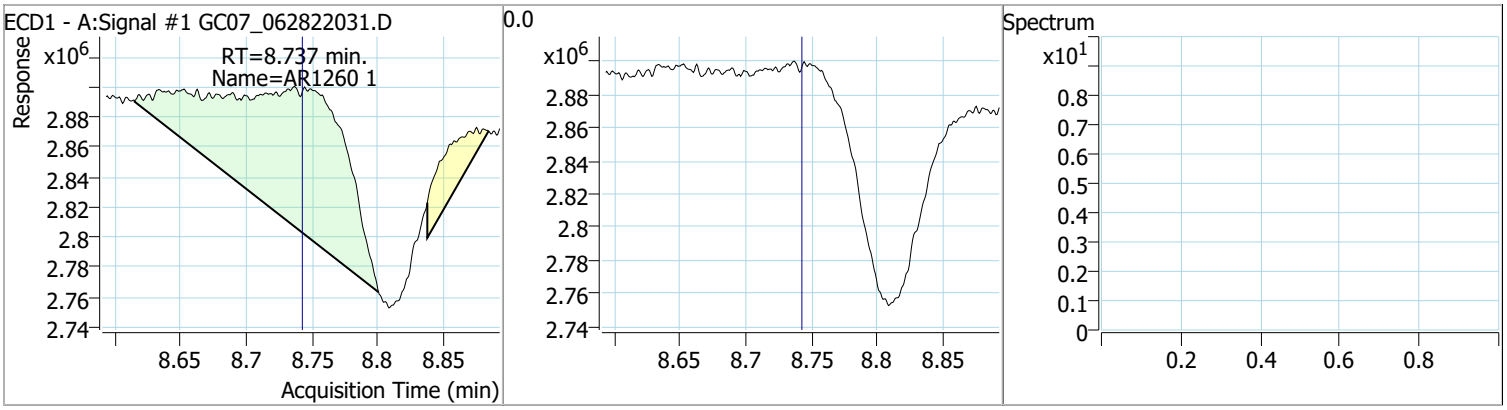
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1.4797	7.05	0.00	3970				



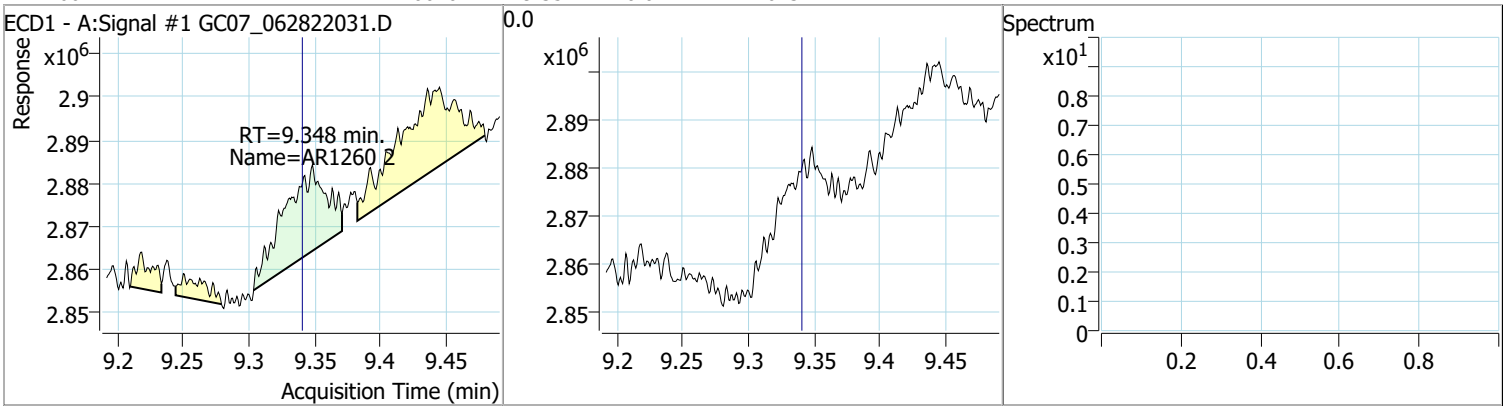
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.1696	7.74	-0.02	380				



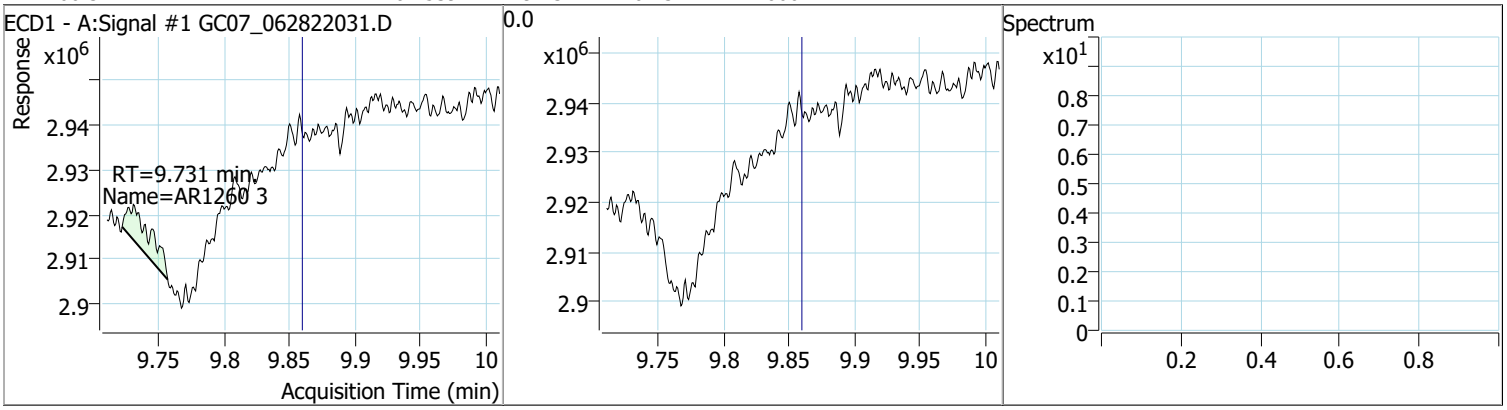
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	38.7617	8.74	-0.01	622500				



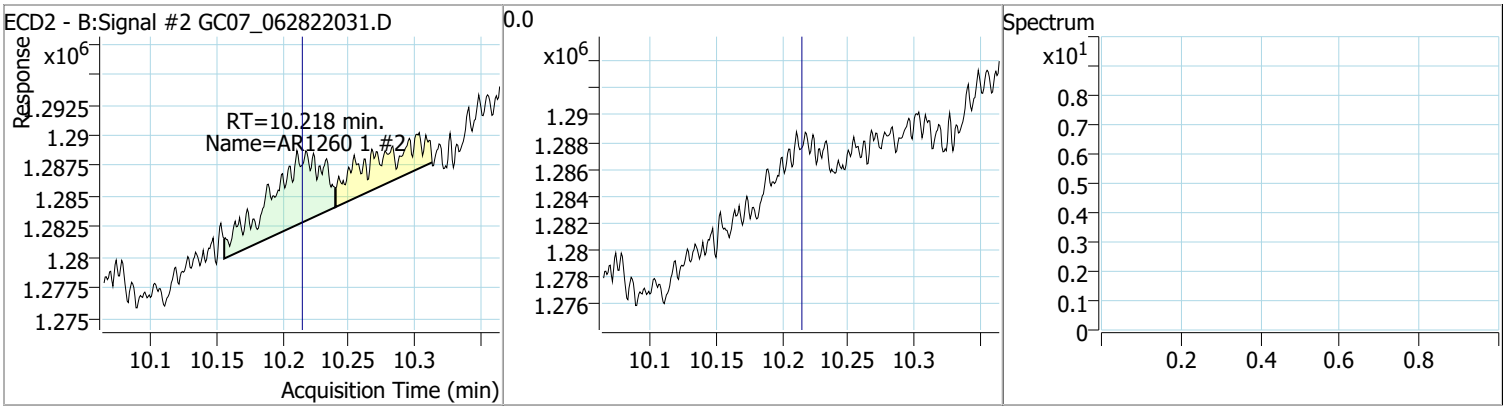
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2.0010	9.35	0.01	46131				



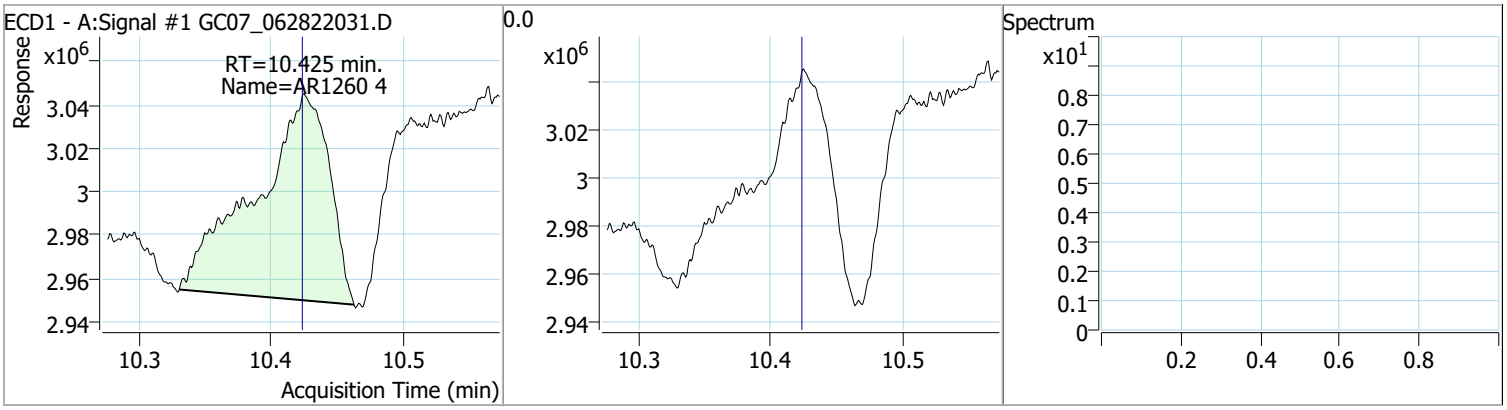
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	0.4539	9.73	-0.13	10604				



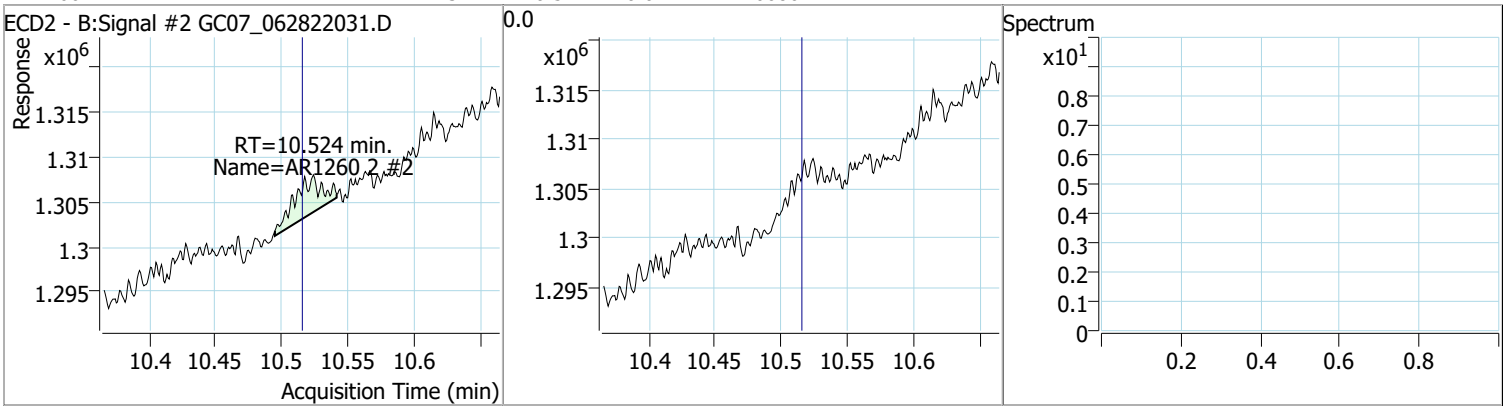
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	3.3512	10.22	0.00	16312				



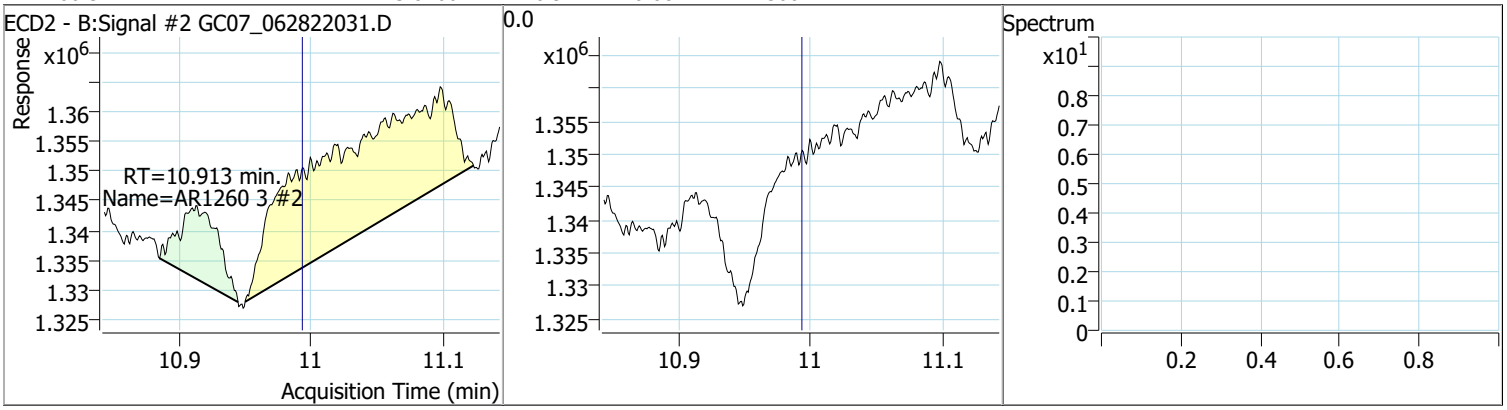
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	31.2022	10.43	0.00	372647				



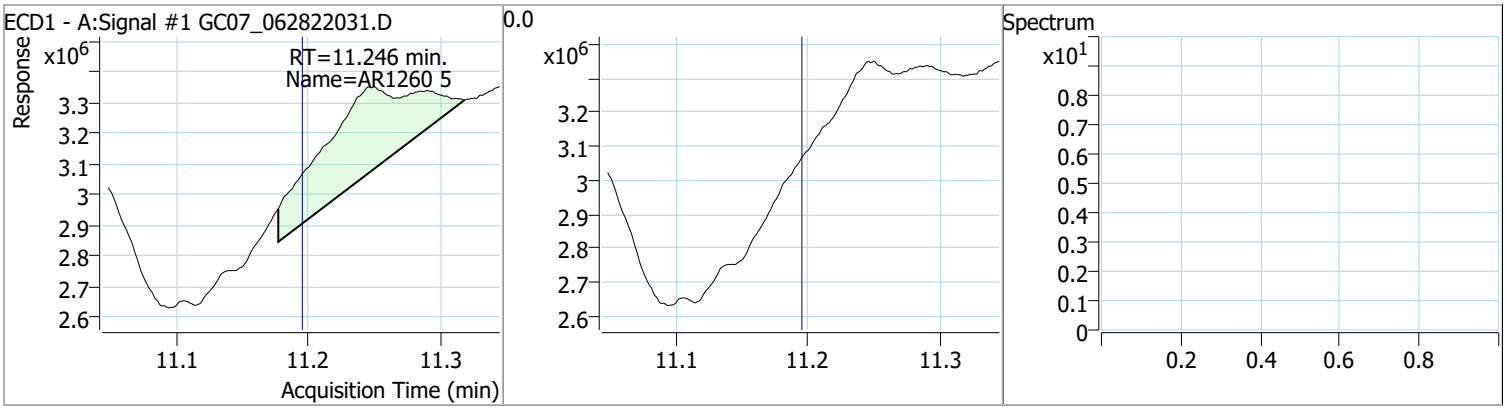
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1.1243	10.52	0.01	6080				



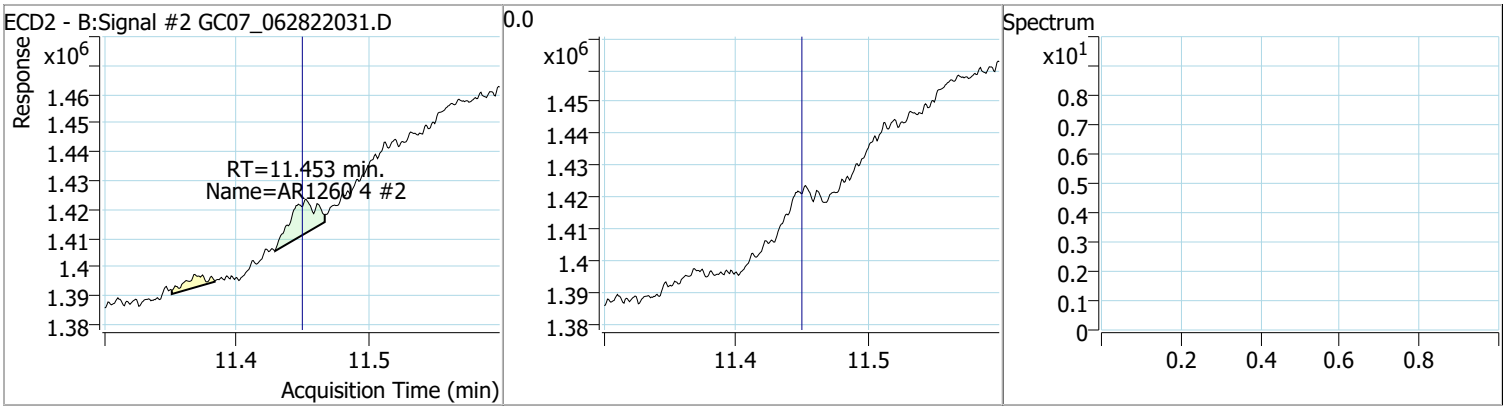
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	3.8466	10.91	-0.08	25604				



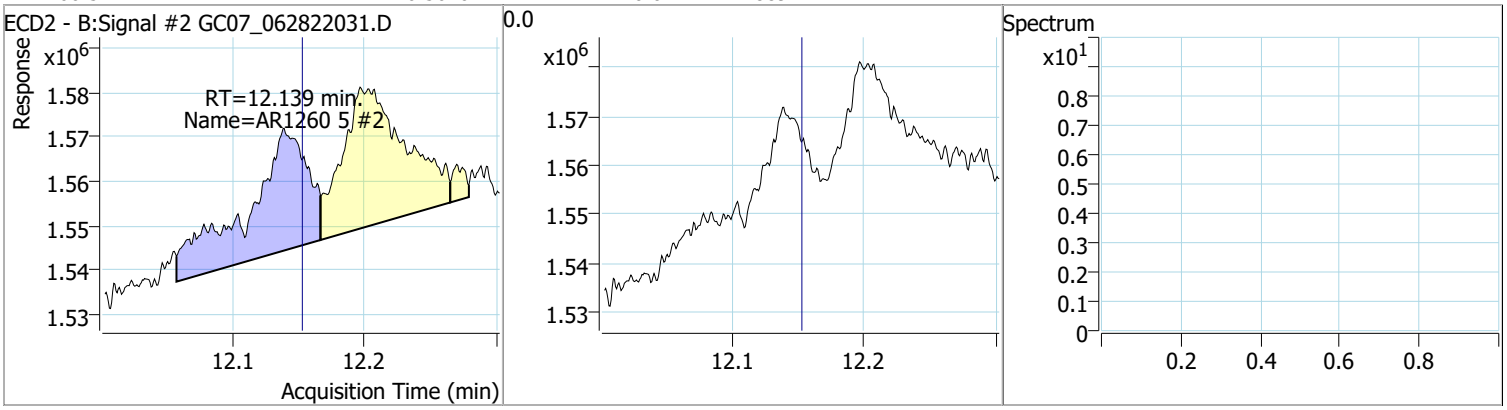
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	129.7050	11.25	0.05	1422176				



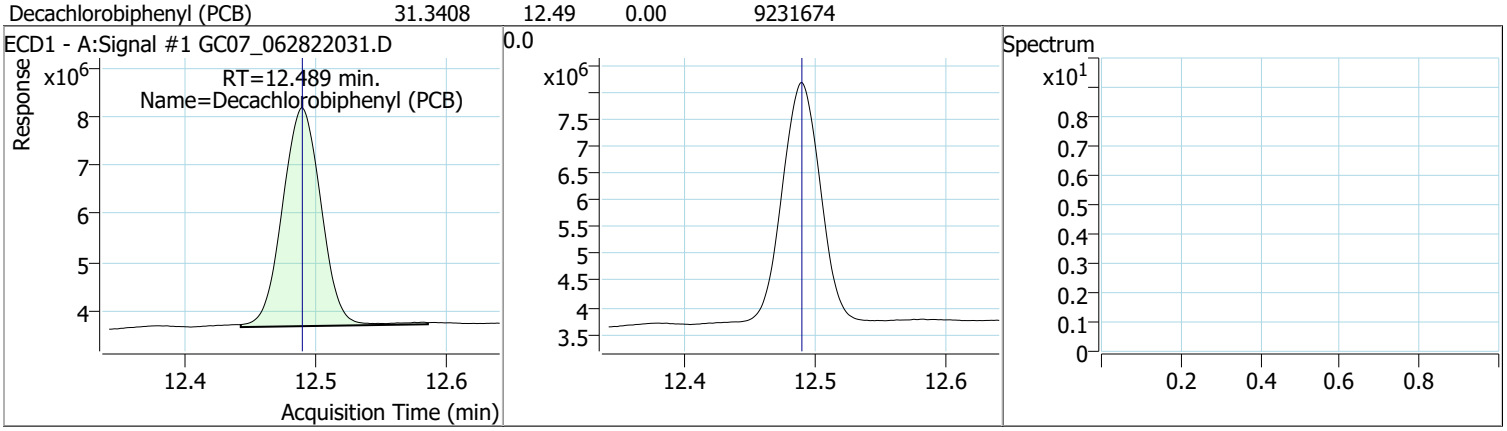
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	4.3890	11.45	0.00	16391				



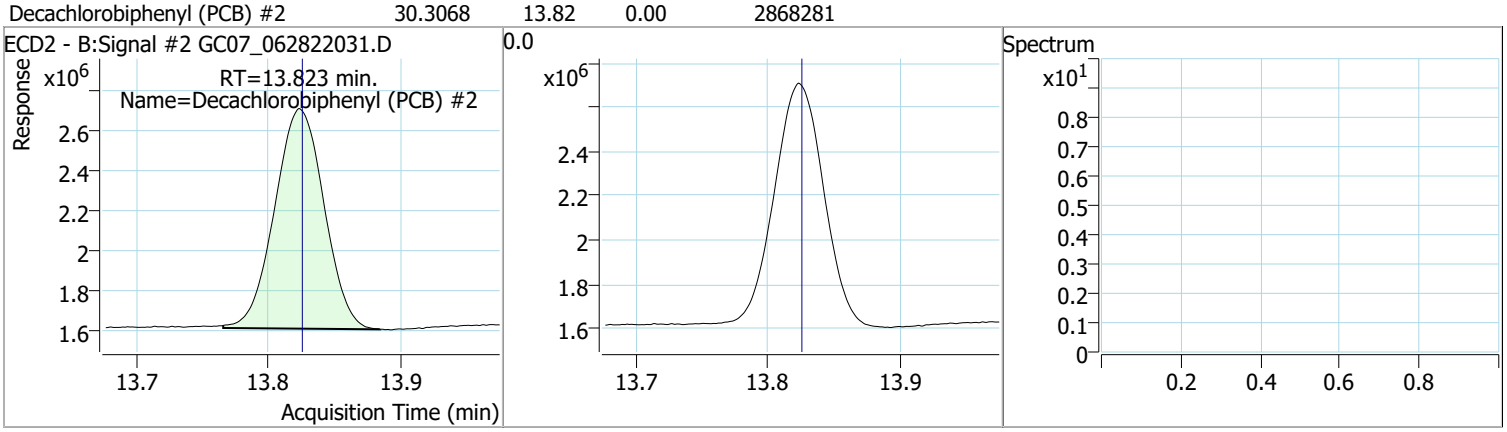
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	16.5670	12.14	-0.01	88912				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	31.3408	12.49	0.00	9231674				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	30.3068	13.82	0.00	2868281				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	464785-006	Client ID:	DOOR-N-0.4GW-EXT-6 TO 7-220623-P-CB
Seqnum:	462258436032.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_062822032	Batch:	291960	Time:	28-JUN-2022 19:56
Cal:	462252739001	Caldate:	25-JUN-2022		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	12.76	ug/L	ND	0.69	92%	1.0		u
Aroclor-1016 Peak # 1	B	34.85	ug/L	0.70	1.18	52%			
Aroclor-1016 Peak # 2	B	0.2221	ug/L	0.00	0.02	138%			
Aroclor-1016 Peak # 3	B	27.90	ug/L	0.56	1.46	89%			
Aroclor-1016 Peak # 4	B	0.4916	ug/L	0.01	0.09	160%			
Aroclor-1016 Peak # 5	B	0.3285	ug/L	0.01	0.70	196%			
Aroclor-1221	B			ND			1.0		u
Aroclor-1232	B			ND			1.0		u
Aroclor-1242	B			ND			1.0		u
Aroclor-1248	B			ND			1.0		u
Aroclor-1254	B			ND			1.0		u
Aroclor-1260	B	6.268	ug/L	ND	0.72	140%	1.0		u
Aroclor-1260 Peak # 1	B	3.466	ug/L	0.07	0.61	159%			
Aroclor-1260 Peak # 2	B	2.058	ug/L	0.04	0.04	3%			
Aroclor-1260 Peak # 3	B	3.694	ug/L	0.07	0.12	46%			
Aroclor-1260 Peak # 4	B	5.173	ug/L	0.10	0.63	144%			
Aroclor-1260 Peak # 5	B	16.95	ug/L	0.34	2.18	146%			
Aroclor-1268	B			ND			1.0		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	31.52	pg/uL	1.000	0.6303	63	52-186	u
Decachlorobiphenyl (PCB)	B	28.09	pg/uL	1.000	0.5618	56	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221)

ISTD (CCV gc07_062822004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1389469	1994901	43.57
1-bromo-2-nitrobenzene (PCB)	A	5233508	6756651	29.10

ISTD (ICAL gc07_062822026)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	1445468	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1254)	A	5189113	**???**	**-100.00 ***

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221)

ISTD (CCV gc07_062822004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.25	4.25	0.00

ISTD (ICAL gc07_062822026)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1254)	B	4.44	**???**	
1-bromo-2-nitrobenzene (1254)	A	4.25	**???**	

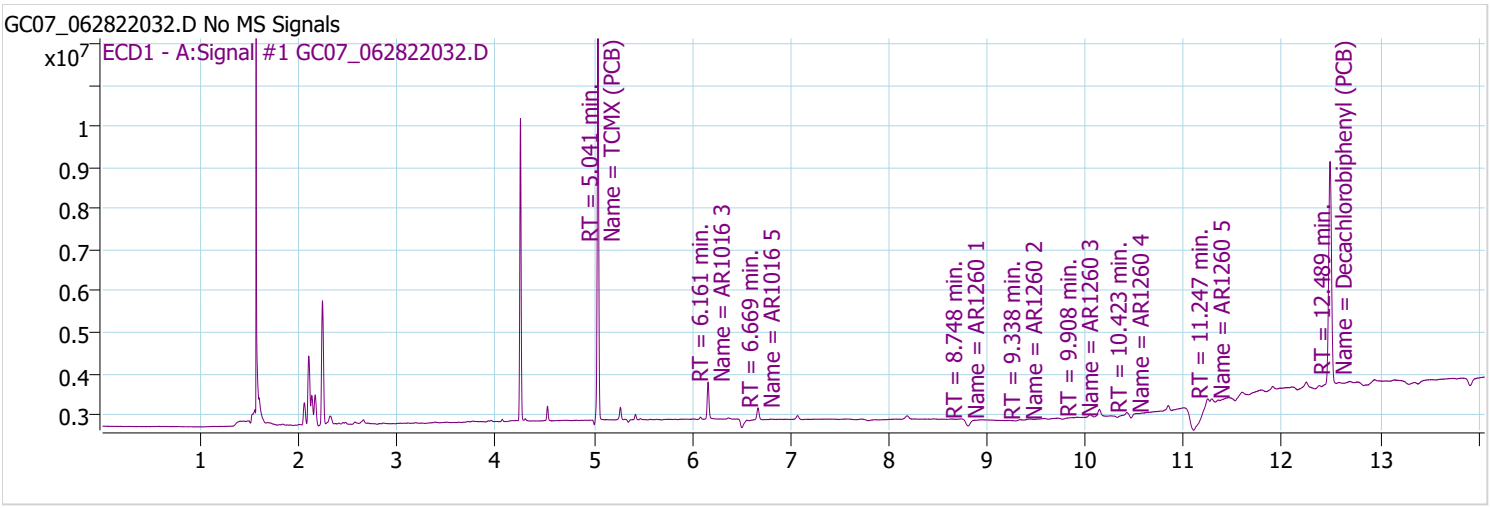
u=use

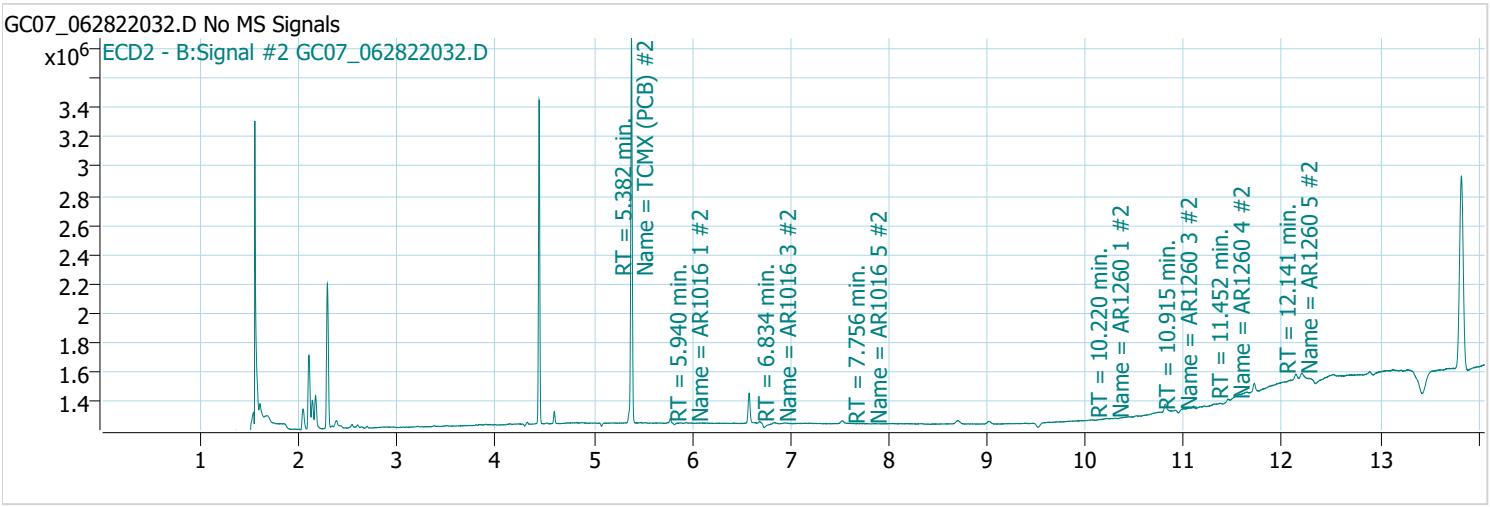
Analyst: TRN 06/29/22 *

Reviewer: SLL 06/29/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC07_062822032.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/28/2022 7:56:57 PM
Sample Name	464785-006, 291960, 1	Instrument	SVOA-GC07
Vial	24	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_2.m	Comment	Wipe/1s-20ml//3580 method
Tune File	ATUNE.U	Tune Date	
Batch Name	062822PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



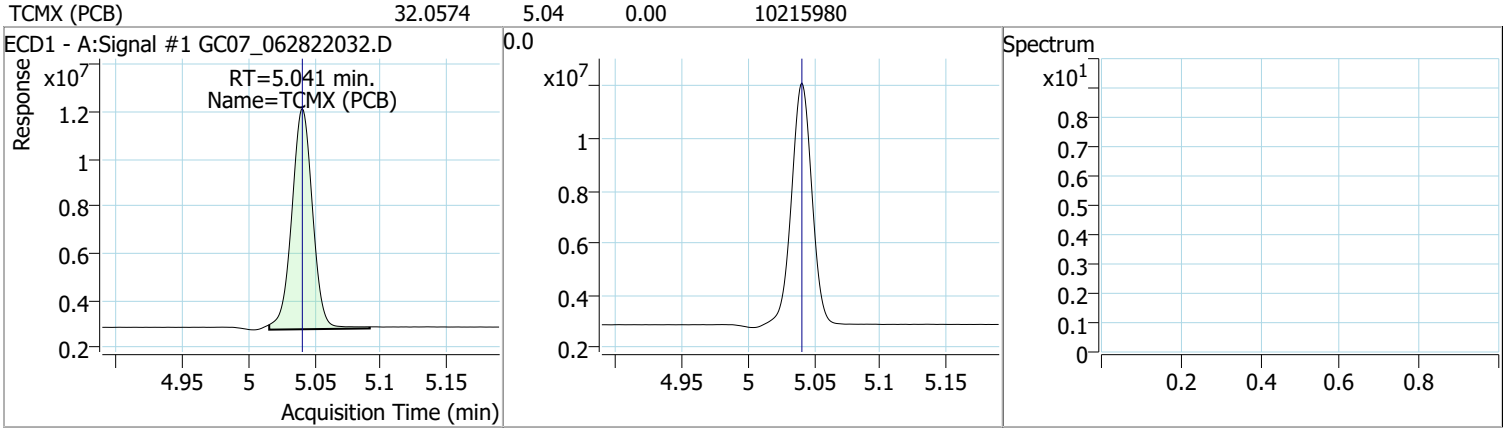


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.253	0.0	6756650.826	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.442	0.0	1994900.664	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.041	0.0	10215979.879	32.0574	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 160.29%		*	
S TCMX (PCB) #2	5.382	0.0	2851722.366	31.4989	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 157.49%		*	
S Decachlorobiphenyl (PCB)	12.489	0.0	11122098.591	29.4676	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 147.34%			
S Decachlorobiphenyl (PCB) #2	13.826	0.0	3448998.626	28.0772	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 140.39%			
Target Compounds							QValue

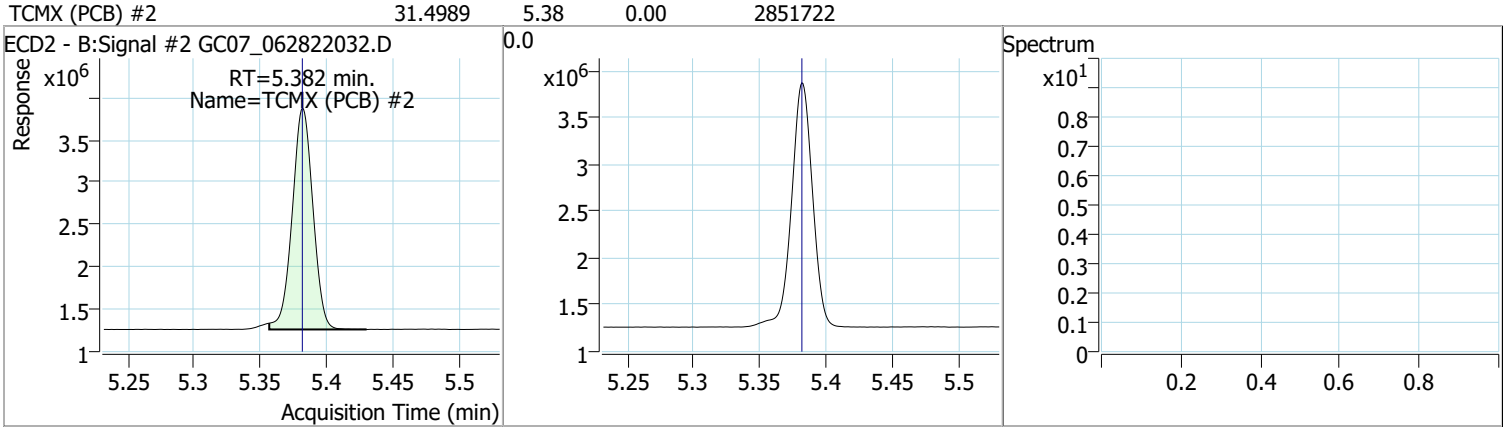
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.422	0.0	382723.846	59.0433	ng/ml	100
T AR1016 2	5.725	0.0	16930.606	1.2051	ng/ml	100
T AR1016 1 #2	5.940	0.0	69974.931	34.8313	ng/ml	100
T AR1016 3	6.161	0.0	1184177.691	72.7905	ng/ml	100
T AR1016 2 #2	6.312	0.0	970.908	0.2219	ng/ml	100
T AR1016 4	6.363	0.0	51303.055	4.3854	ng/ml	100
T AR1016 5	6.669	0.0	339138.269	34.8026	ng/ml	100
T AR1016 3 #2	6.834	0.0	139927.213	27.8852	ng/ml	100
T AR1016 4 #2	7.053	0.0	1711.280	0.4914	ng/ml	100
T AR1016 5 #2	7.756	0.0	955.129	0.3283	ng/ml	100
T AR1260 1	8.748	0.0	626501.713	30.4449	ng/ml	100
T AR1260 2	9.338	0.0	59068.151	1.9996	ng/ml	100
T AR1260 3	9.908	0.0	177011.337	5.9131	ng/ml	100
T AR1260 1 #2	10.220	0.0	21884.846	3.4639	ng/ml	100
T AR1260 4	10.423	0.0	481733.778	31.4792	ng/ml	100
T AR1260 2 #2	10.520	0.0	14434.187	2.0564	ng/ml	100
T AR1260 3 #2	10.915	0.0	31897.297	3.6920	ng/ml	100
T AR1260 5	11.247	0.0	1532420.623	109.0710	ng/ml	100
T AR1260 4 #2	11.452	0.0	25062.589	5.1704	ng/ml	100
T AR1260 5 #2	12.141	0.0	117994.331	16.9390	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

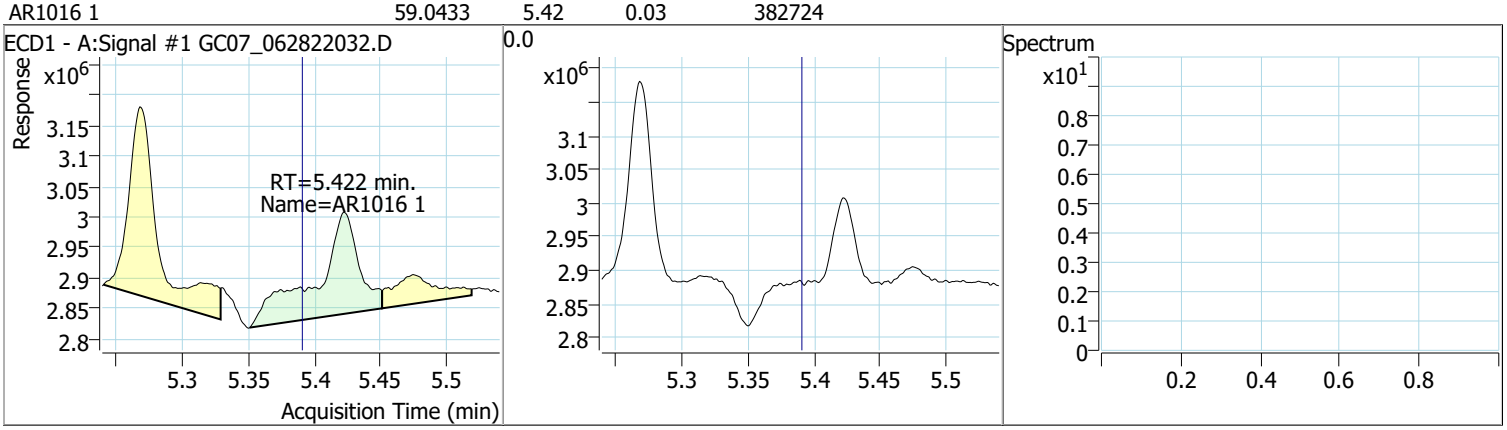
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	32.0574	5.04	0.00	10215980				



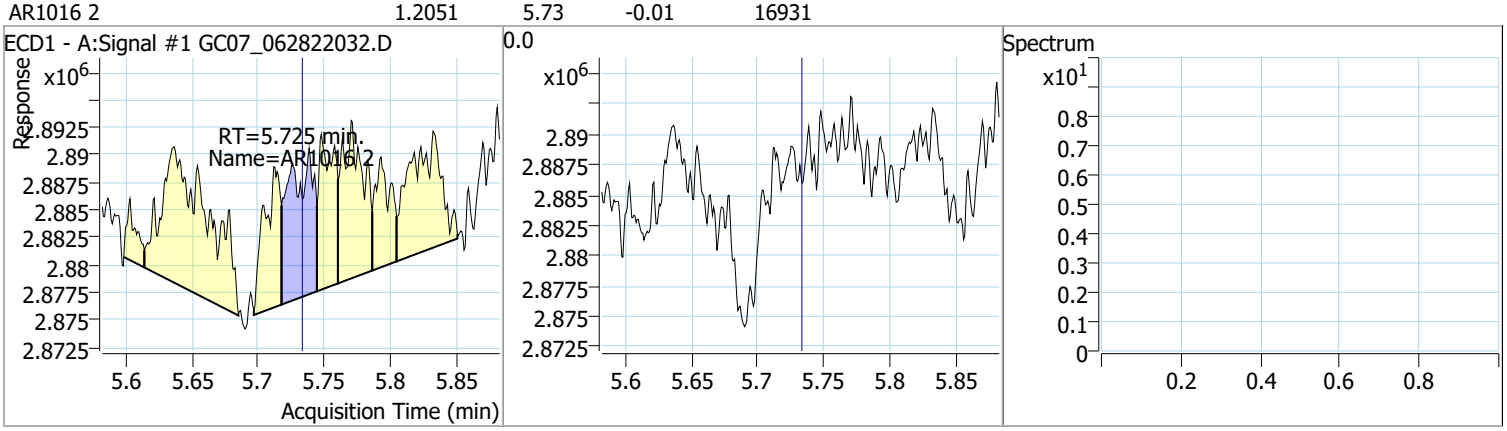
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	31.4989	5.38	0.00	2851722				



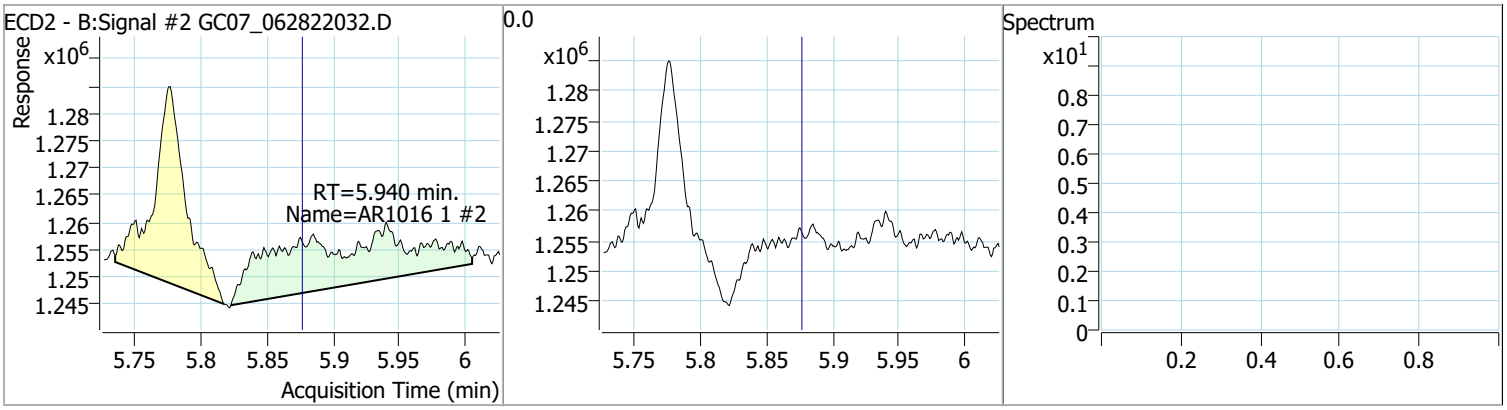
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	59.0433	5.42	0.03	382724				



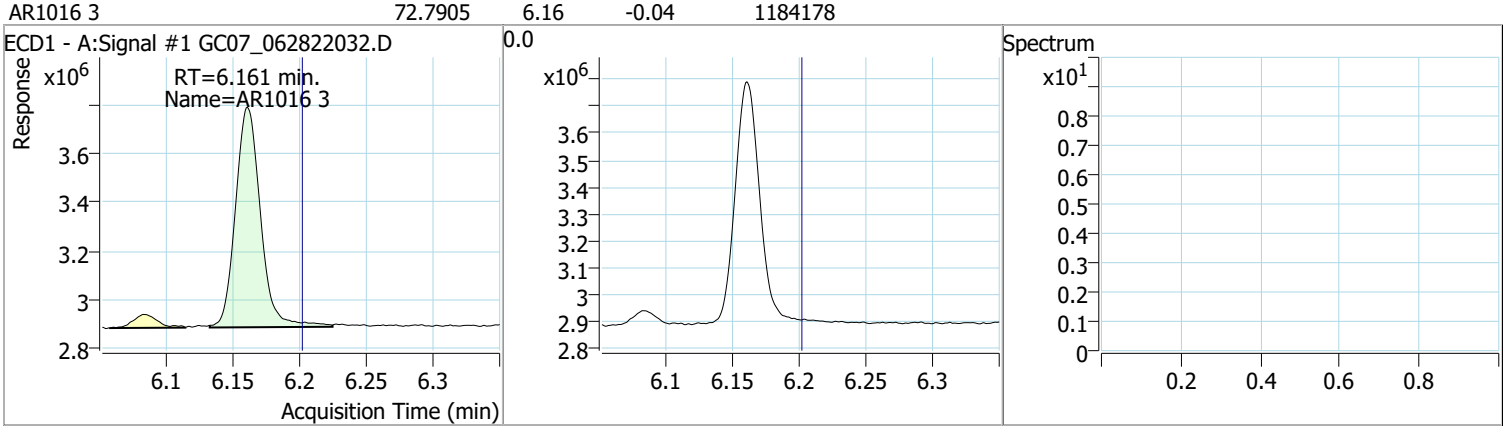
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1.2051	5.73	-0.01	16931				



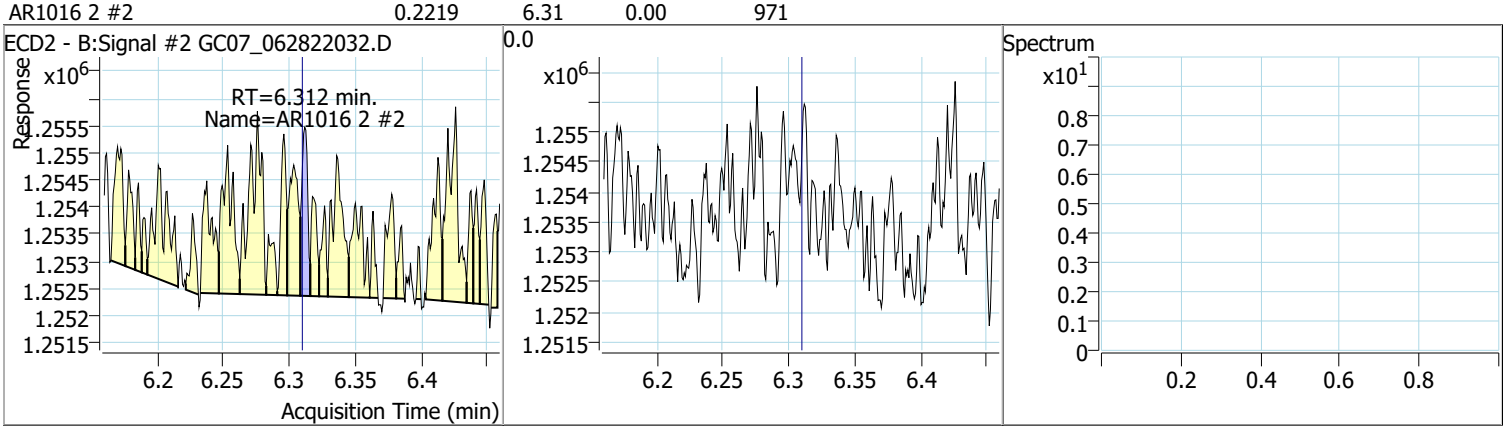
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	34.8313	5.94	0.06	69975				



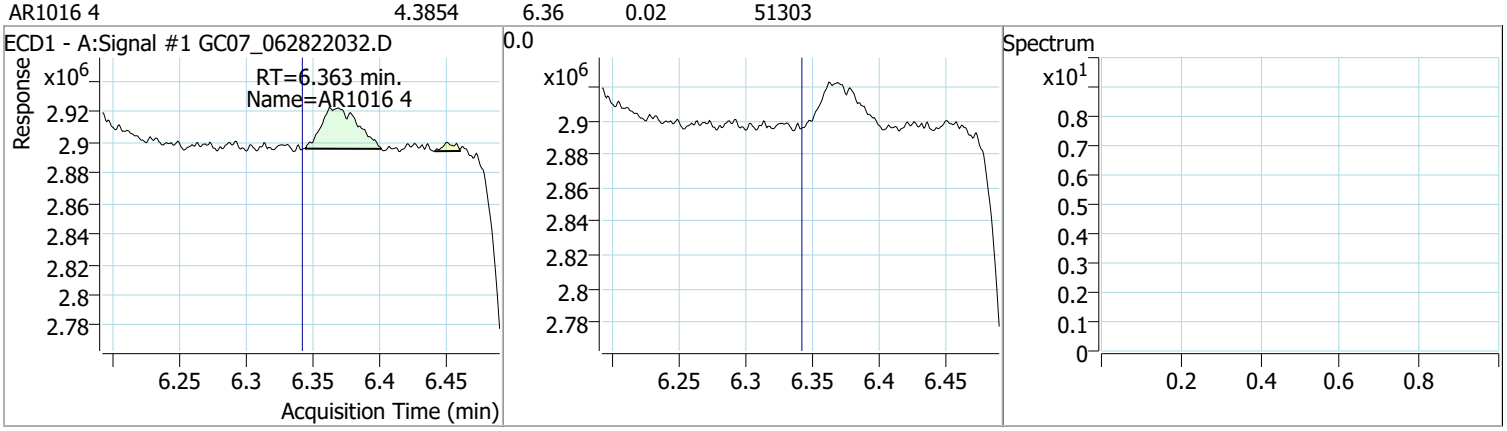
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	72.7905	6.16	-0.04	1184178				



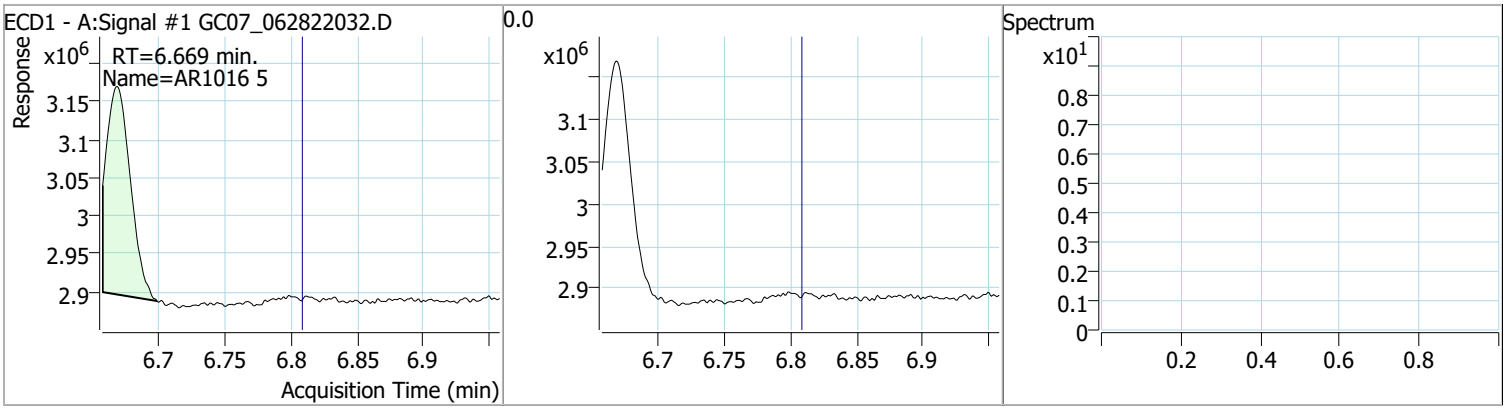
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	0.2219	6.31	0.00	971				



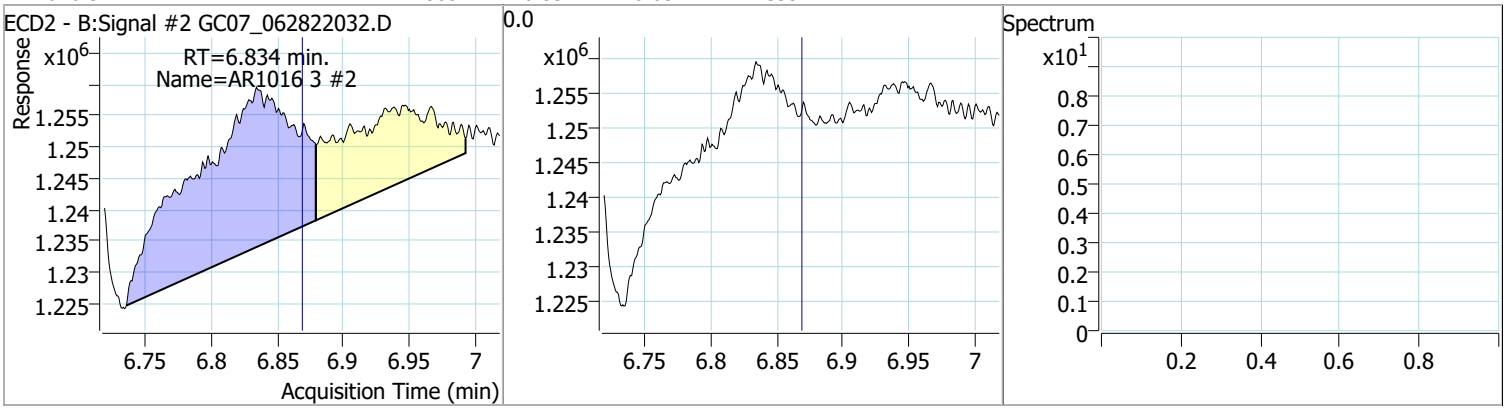
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	4.3854	6.36	0.02	51303				



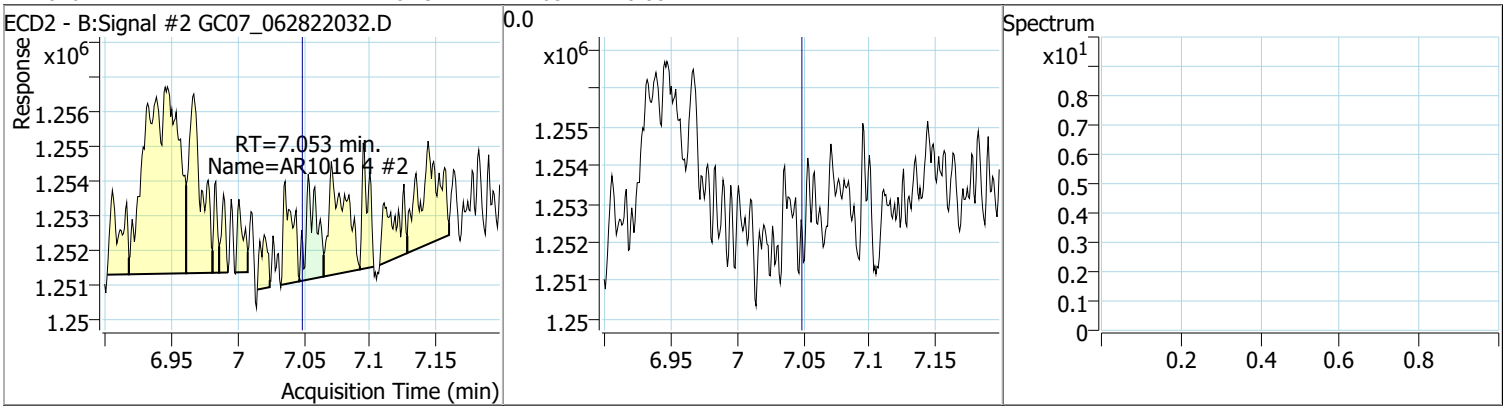
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	34.8026	6.67	-0.14	339138				



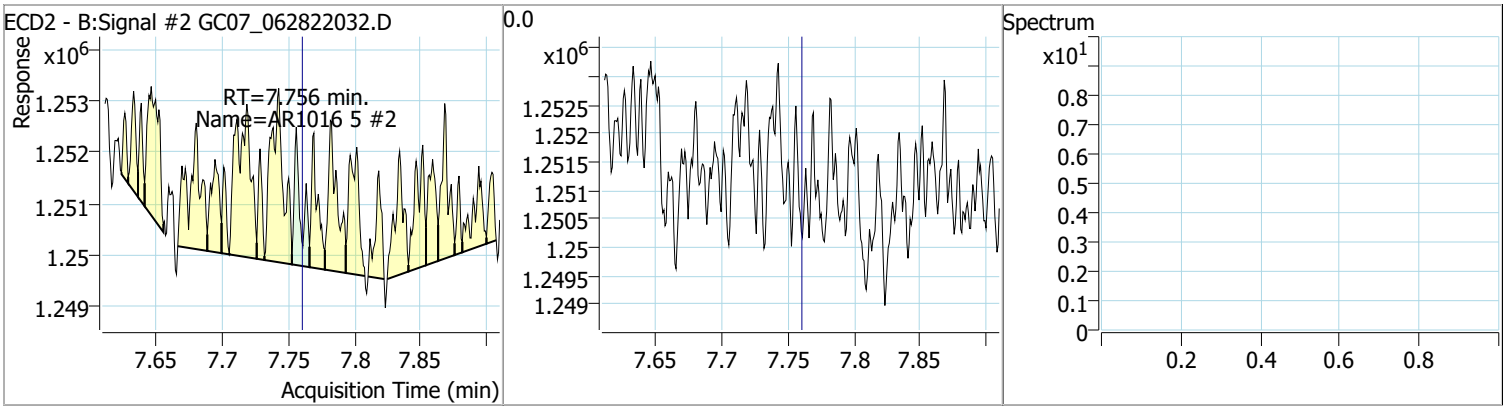
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	27.8852	6.83	-0.03	139927				



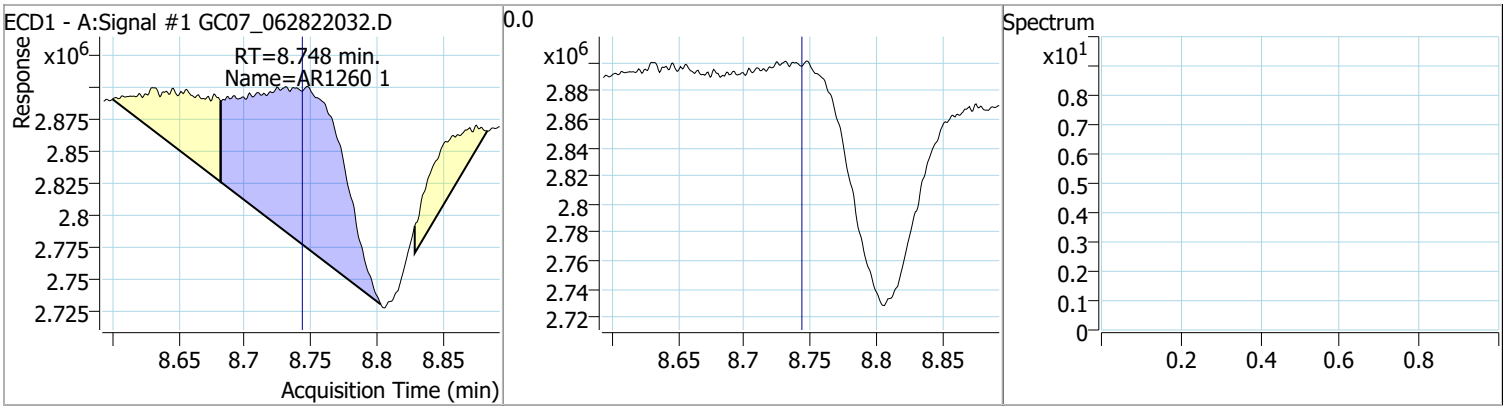
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.4914	7.05	0.00	1711				



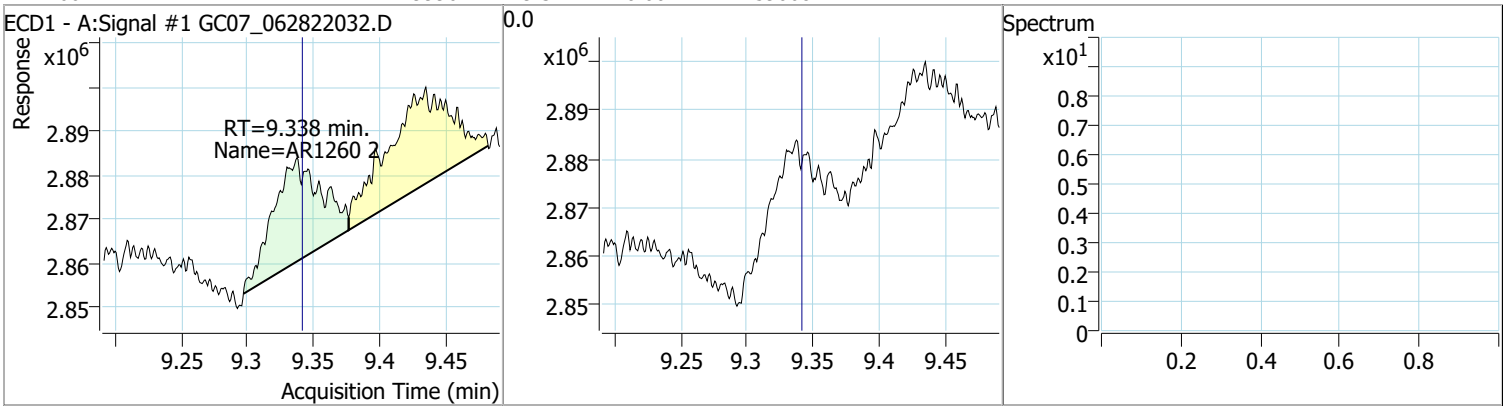
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.3283	7.76	0.00	955				



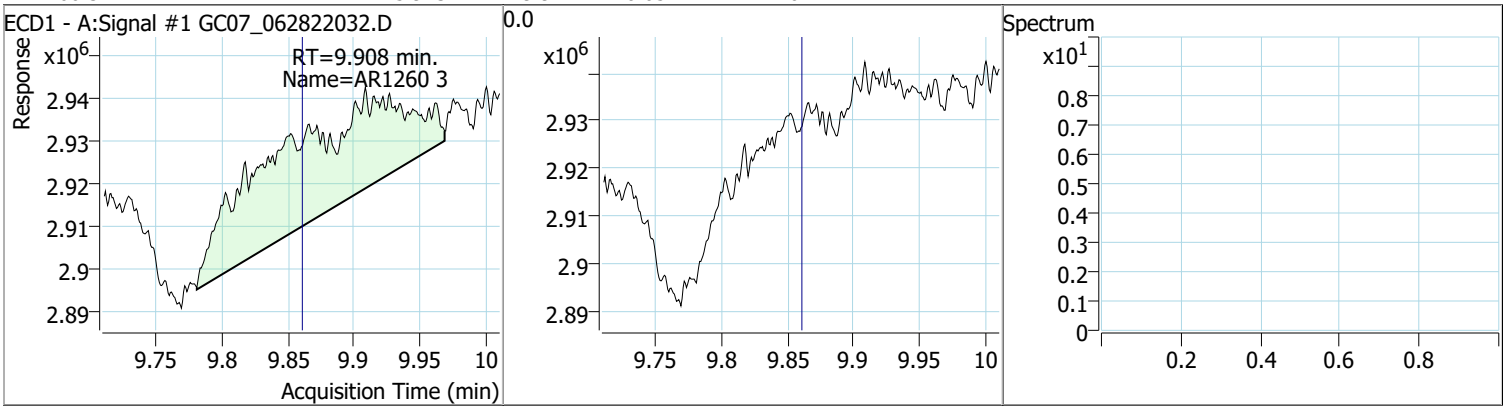
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	30.4449	8.75	0.00	626502				



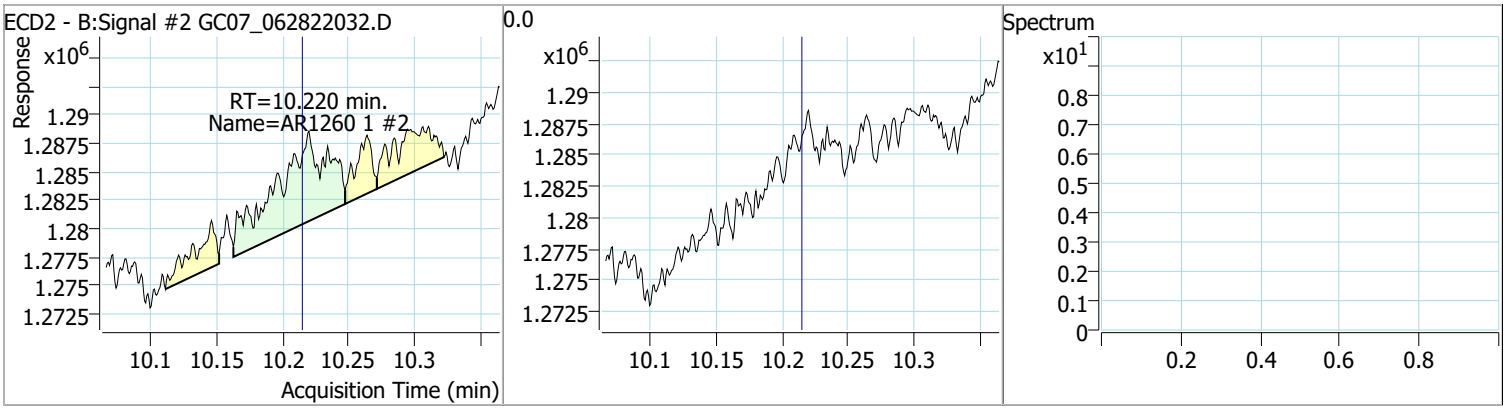
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.9996	9.34	0.00	59068				



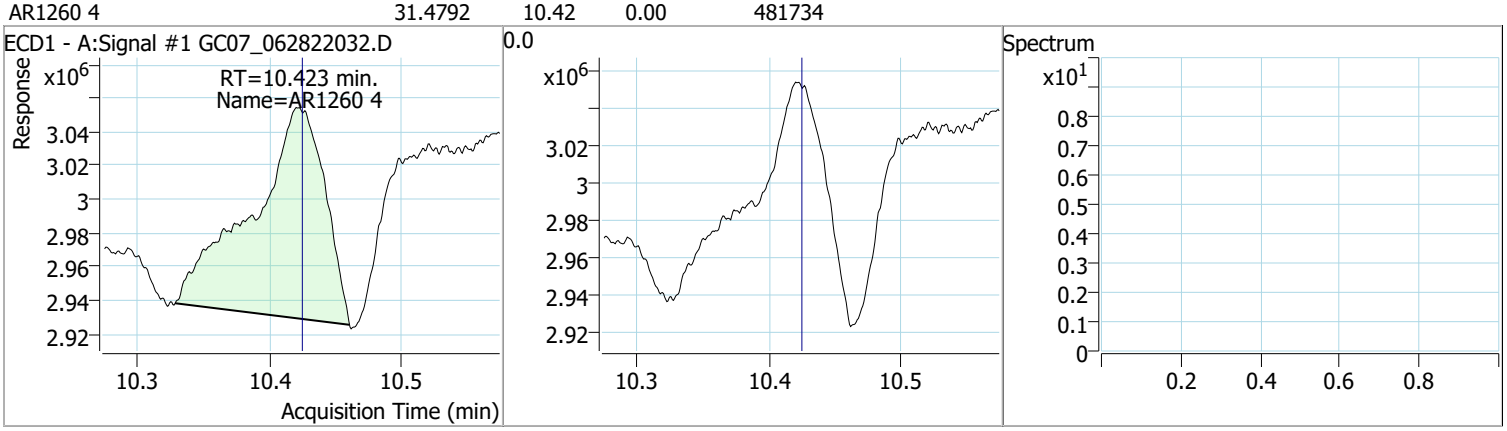
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	5.9131	9.91	0.05	177011				



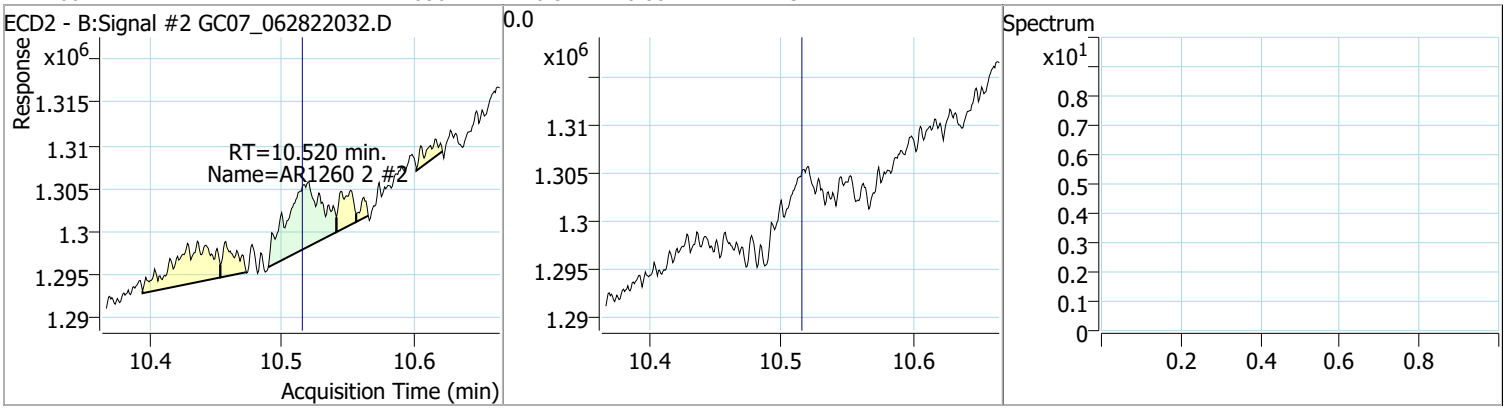
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	3.4639	10.22	0.00	21885				



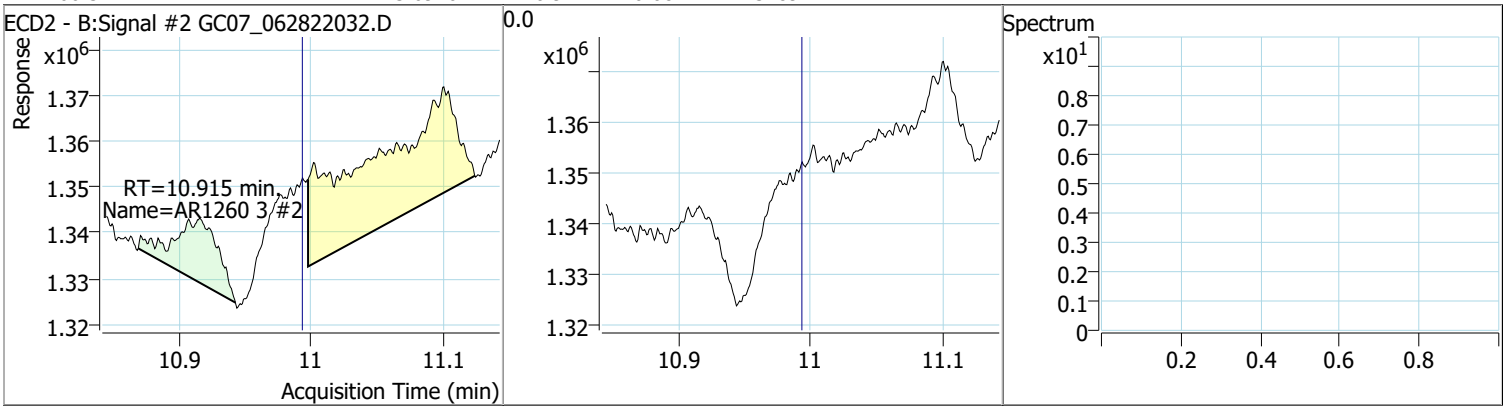
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	31.4792	10.42	0.00	481734				



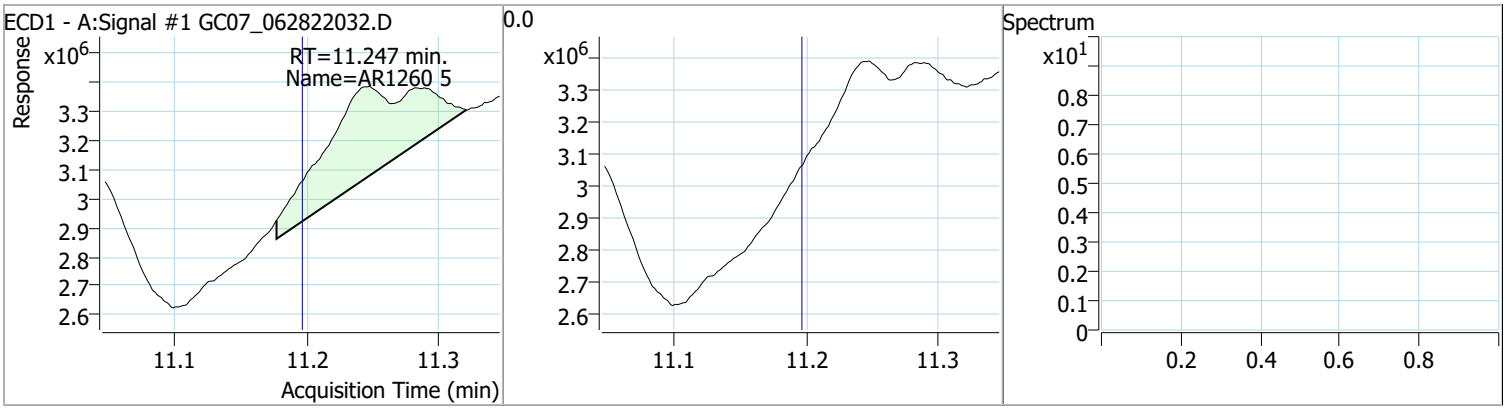
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	2.0564	10.52	0.00	14434				



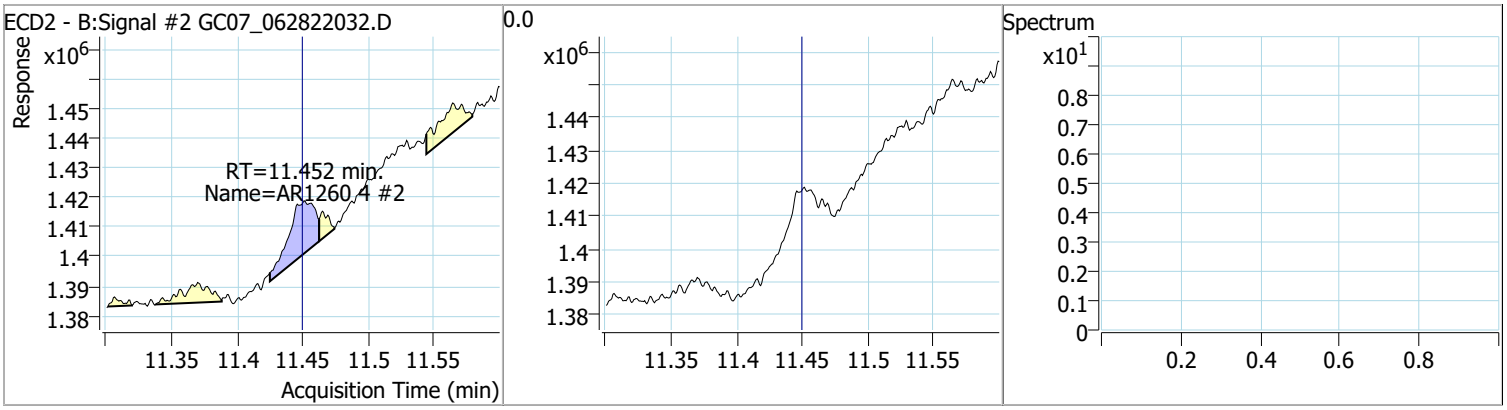
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	3.6920	10.92	-0.08	31897				



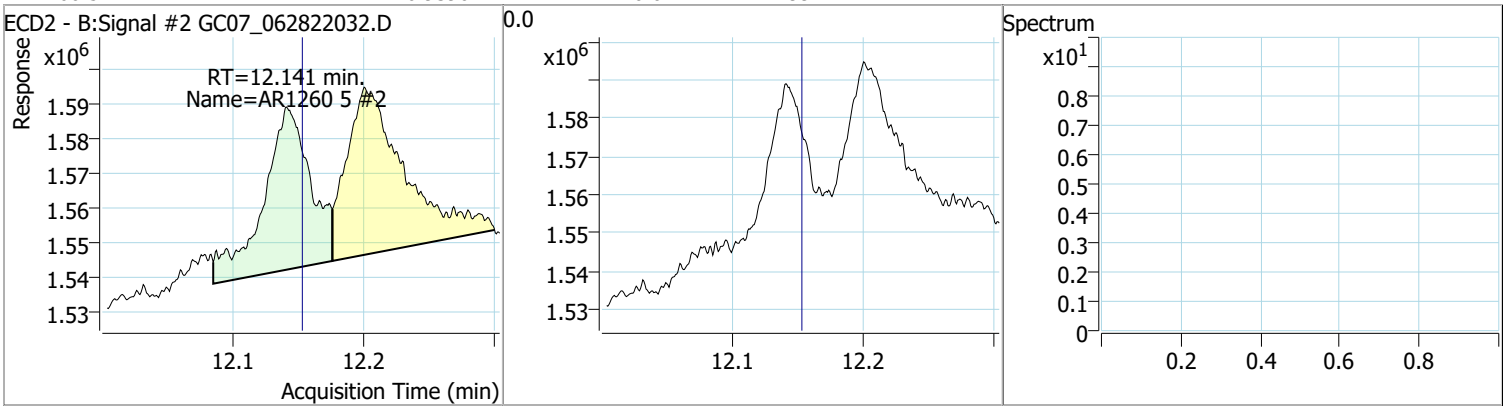
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	109.0710	11.25	0.05	1532421				



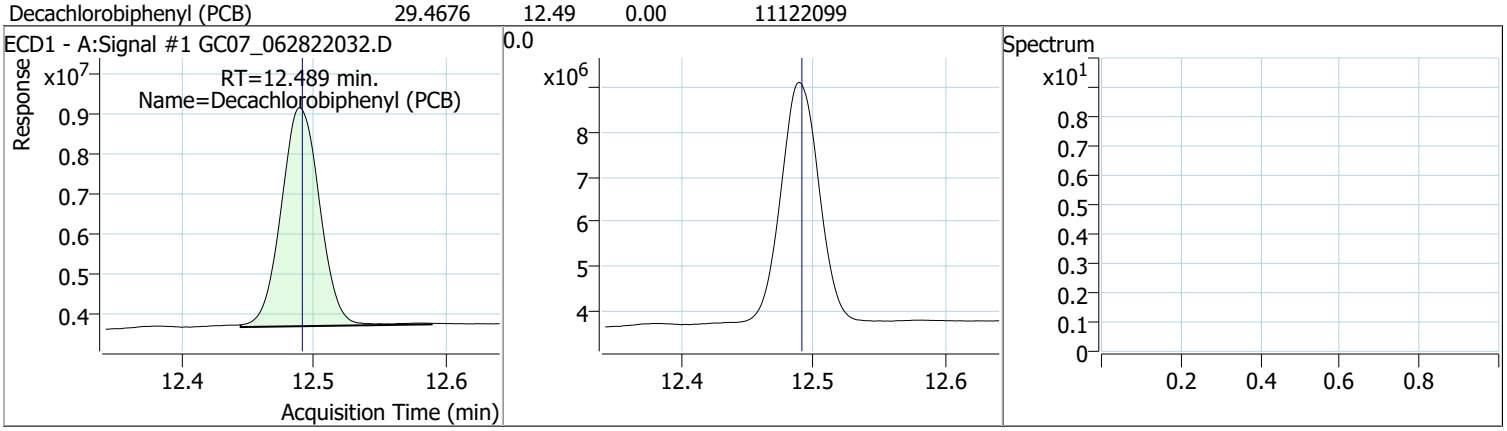
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	5.1704	11.45	0.00	25063				



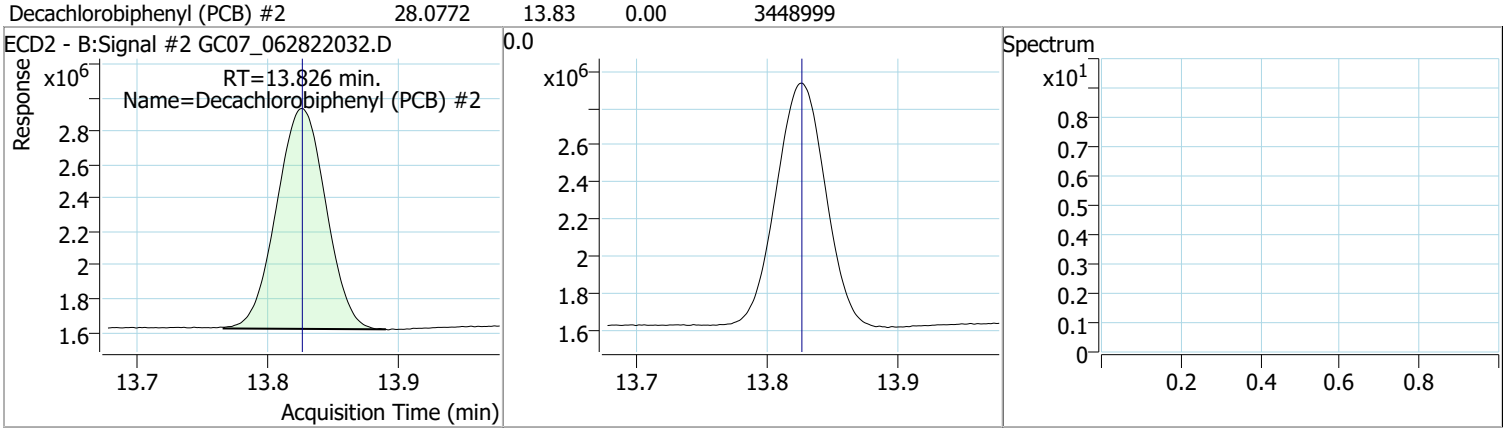
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	16.9390	12.14	-0.01	117994				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	29.4676	12.49	0.00	11122099				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	28.0772	13.83	0.00	3448999				



QC Raw Data

ENTHALPY BLANK USER REPORT FOR 464785 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07	Lab ID:	QC997361		
Seqnum:	462258436007.6	Matrix:	Wipe		
File:	gc07_062822007	Batch:	291960	Time:	28-JUN-2022 12:37
Cal:	462252739001	Caldate:	25-JUN-2022		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Flags
Aroclor-1016	B	2.529	ug/L	ND	0.13	134%	0.50	u
Aroclor-1221	B			ND			0.50	u
Aroclor-1232	B			ND			0.50	u
Aroclor-1242	B			ND			0.50	u
Aroclor-1248	B			ND			0.50	u
Aroclor-1254	B			ND			0.50	u
Aroclor-1260	B	1.428	ug/L	ND	ND	42%	0.50	u
Aroclor-1268	B			ND			0.50	u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	41.10	pg/uL	0.5000	0.4110	82	52-186	u
Decachlorobiphenyl (PCB)	B	37.77	pg/uL	0.5000	0.3777	76	60-140	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_062822004)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1389469	1568156	12.86
1-bromo-2-nitrobenzene (PCB)	A	5233508	5612864	7.25

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_062822004)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.25	4.26	0.01

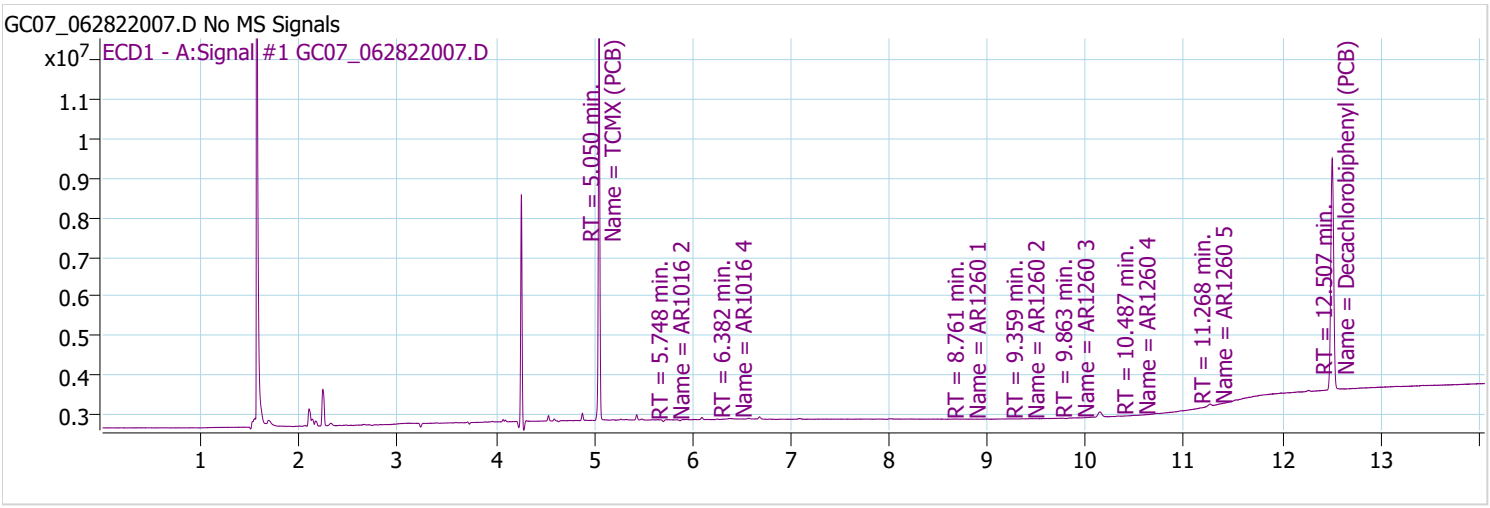
u=use

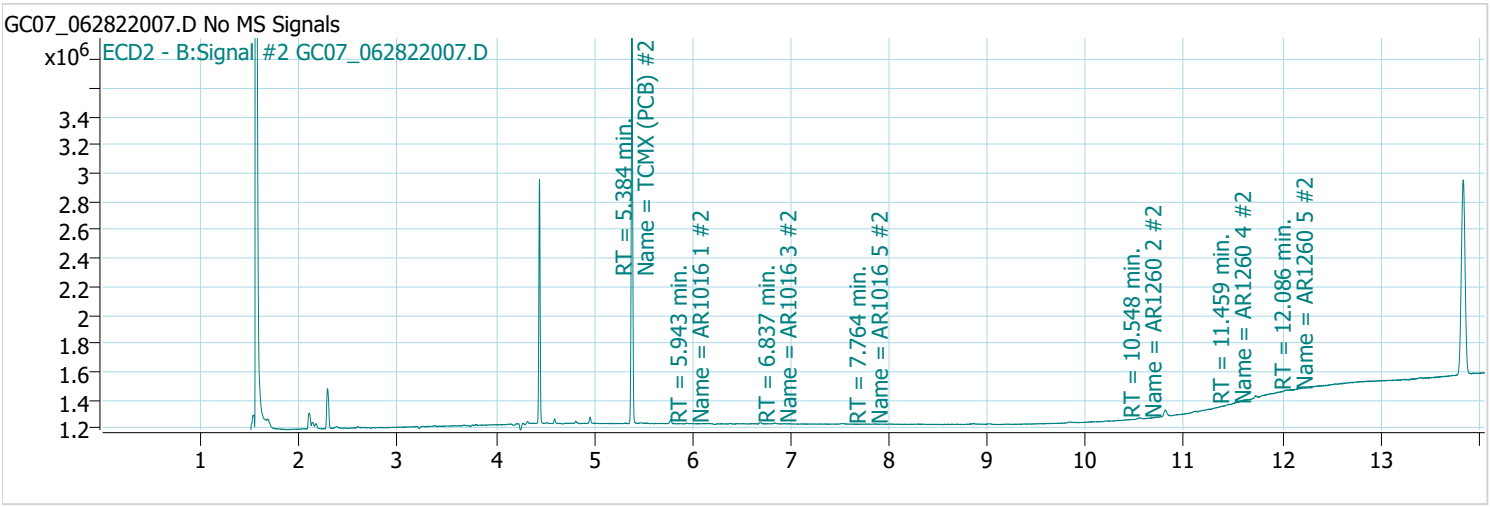
Analyst: TRN 06/29/22 *

Reviewer: SLL 06/29/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC07_062822007.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/28/2022 12:37:59 PM
Sample Name	QC997361, 291960, 1	Instrument	SVOA-GC07
Vial	1	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_2.m	Comment	Wipe/1s-20ml//3580 method
Tune File	ATUNE.U	Tune Date	
Batch Name	062822PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



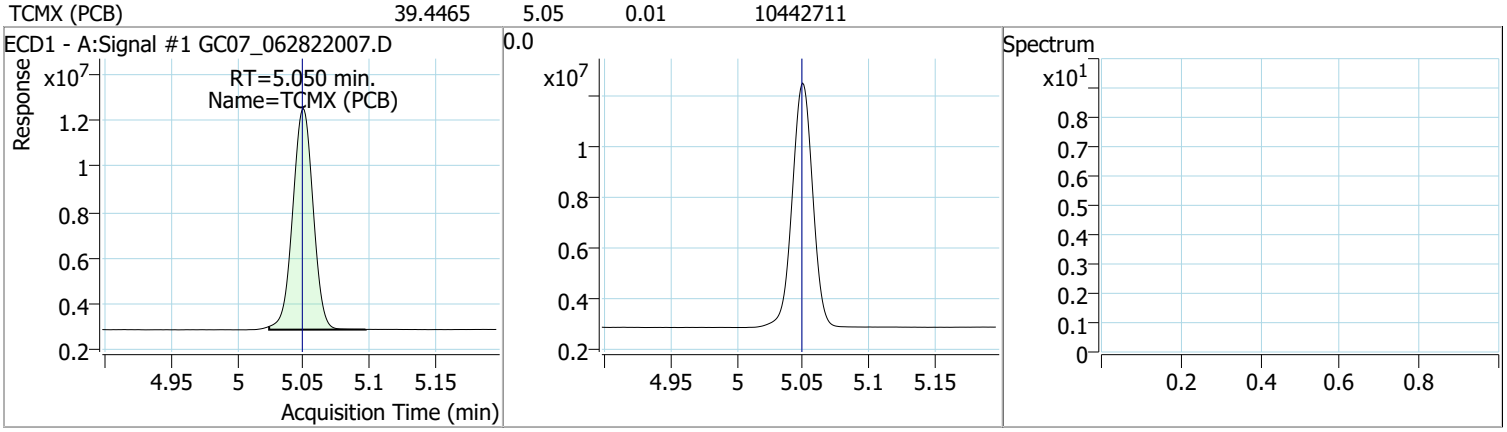


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.260	0.0	5612863.774	20.0000	ng/ml		0.006
M 1-bromo-2-nitrobenzene (PCB) #2	4.443	0.0	1568155.748	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	5.050	0.0	10442711.226	39.4465	ng/ml		0.009
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 197.23%		*	
S TCMX (PCB) #2	5.384	0.0	2923494.123	41.0793	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 205.40%		*	
S Decachlorobiphenyl (PCB)	12.507	0.0	12030184.619	38.3687	ng/ml		0.014
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 191.84%		*	
S Decachlorobiphenyl (PCB) #2	13.839	0.0	3645505.818	37.7530	ng/ml		0.012
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 188.76%		*	
Target Compounds							QValue

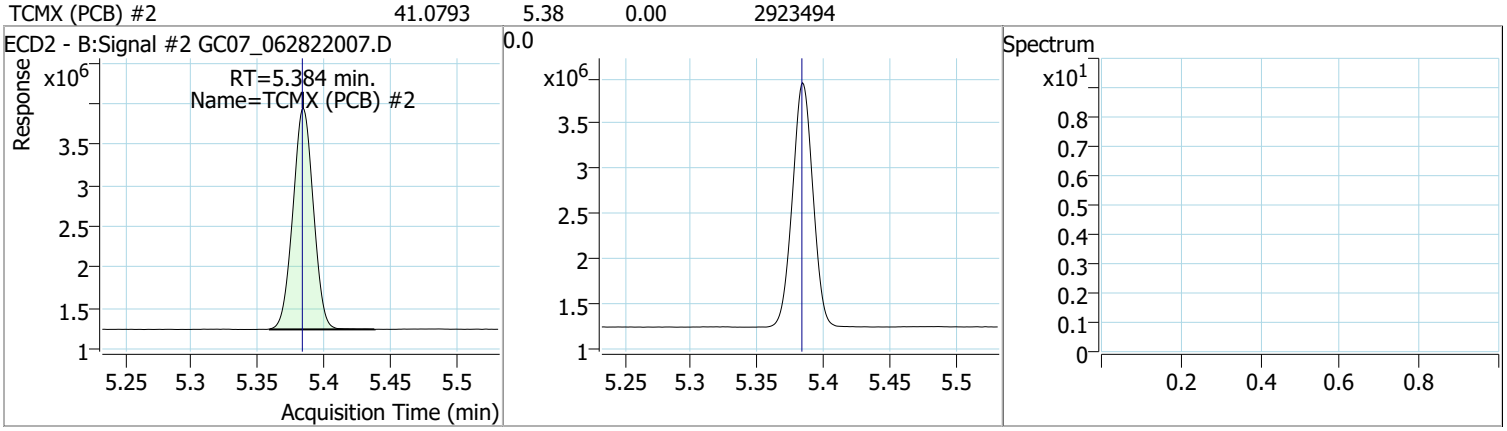
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.433	0.0	151233.397	28.0854	ng/ml	100
T AR1016 2	5.748	0.0	302854.874	25.9503	ng/ml	100
T AR1016 1 #2	5.943	0.0	8380.882	5.3070	ng/ml	100
T AR1016 3	6.252	0.0	18625.065	1.3782	ng/ml	100
T AR1016 2 #2	6.297	0.0	8193.397	2.3826	ng/ml	100
T AR1016 4	6.382	0.0	69048.691	7.1050	ng/ml	100
T AR1016 5	6.788	0.0	9358.326	1.1561	ng/ml	100
T AR1016 3 #2	6.837	0.0	13417.669	3.4016	ng/ml	100
T AR1016 4 #2	7.043	0.0	2240.124	0.8183	ng/ml	100
T AR1016 5 #2	7.764	0.0	1665.022	0.7281	ng/ml	100
T AR1260 1	8.761	0.0	2100.451	0.1229	ng/ml	100
T AR1260 2	9.359	0.0	7756.095	0.3161	ng/ml	100
T AR1260 3	9.863	0.0	23593.983	0.9488	ng/ml	100
T AR1260 1 #2	10.209	0.0	7478.806	1.5059	ng/ml	100
T AR1260 4	10.487	0.0	4954.257	0.3897	ng/ml	100
T AR1260 2 #2	10.548	0.0	20046.939	3.6332	ng/ml	100
T AR1260 3 #2	11.018	0.0	1421.934	0.2094	ng/ml	100
T AR1260 5	11.268	0.0	107128.935	9.1788	ng/ml	100
T AR1260 4 #2	11.459	0.0	4020.029	1.0550	ng/ml	100
T AR1260 5 #2	12.086	0.0	4002.435	0.7309	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

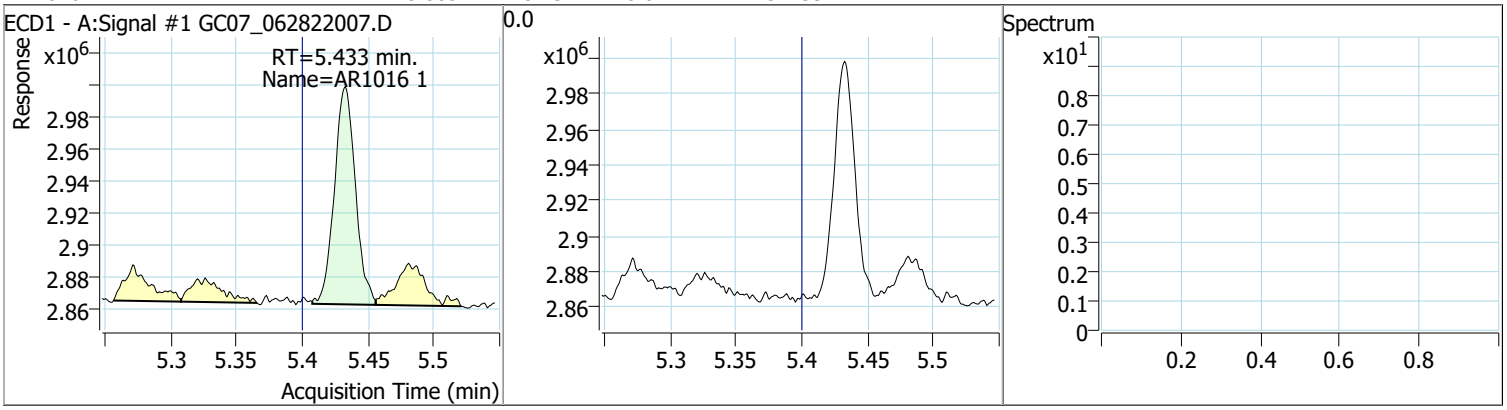
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.4465	5.05	0.01	10442711				



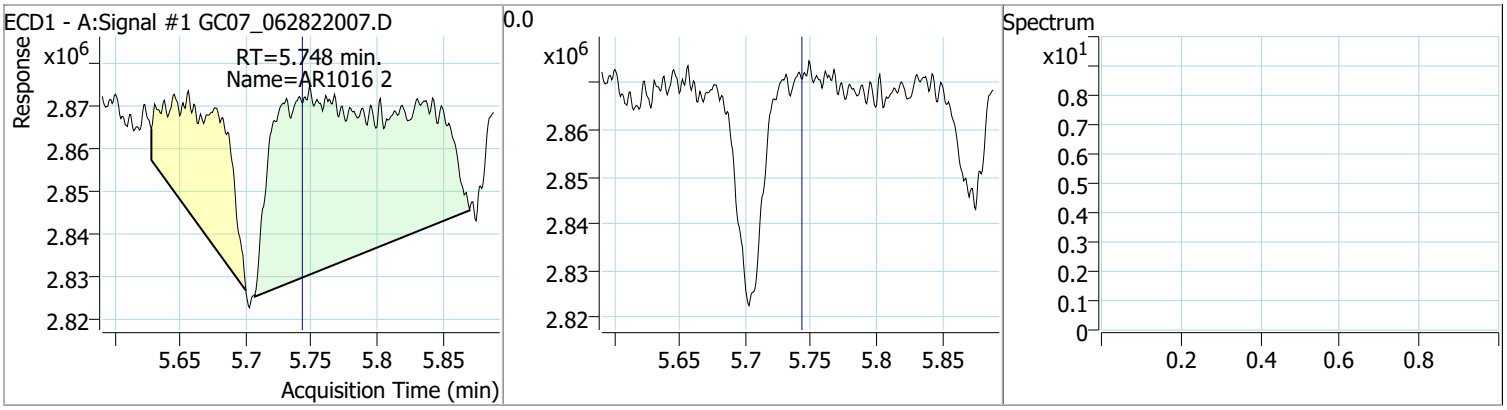
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	41.0793	5.38	0.00	2923494				



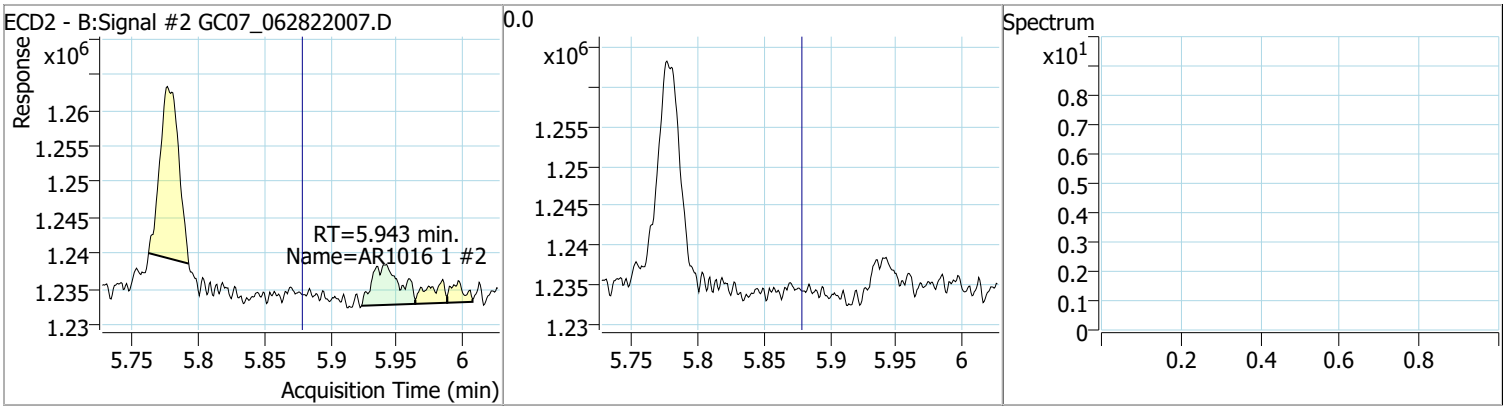
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	28.0854	5.43	0.04	151233				



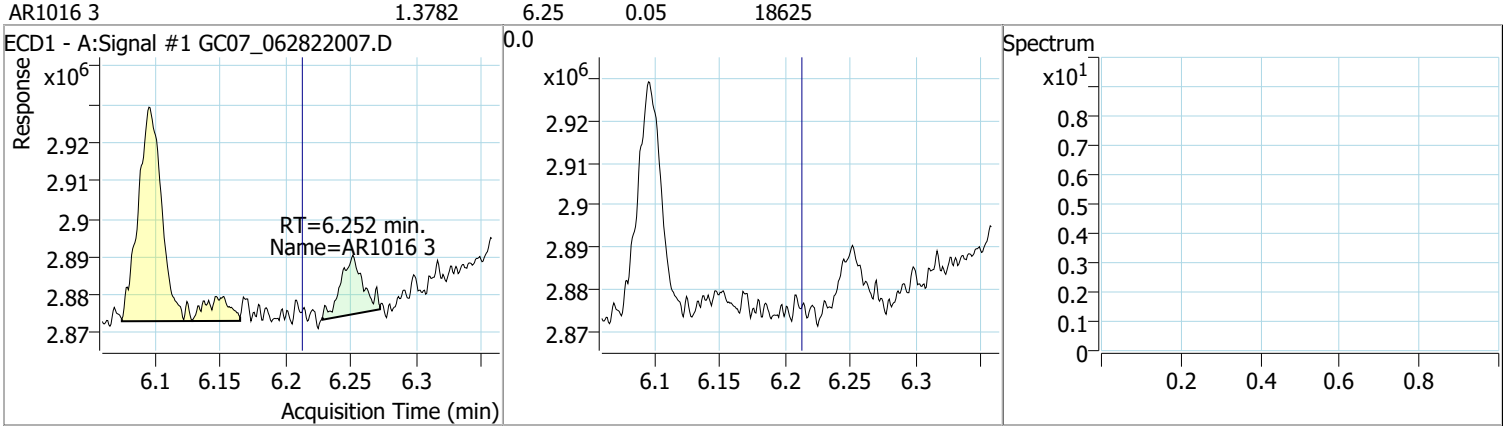
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	25.9503	5.75	0.02	302855				



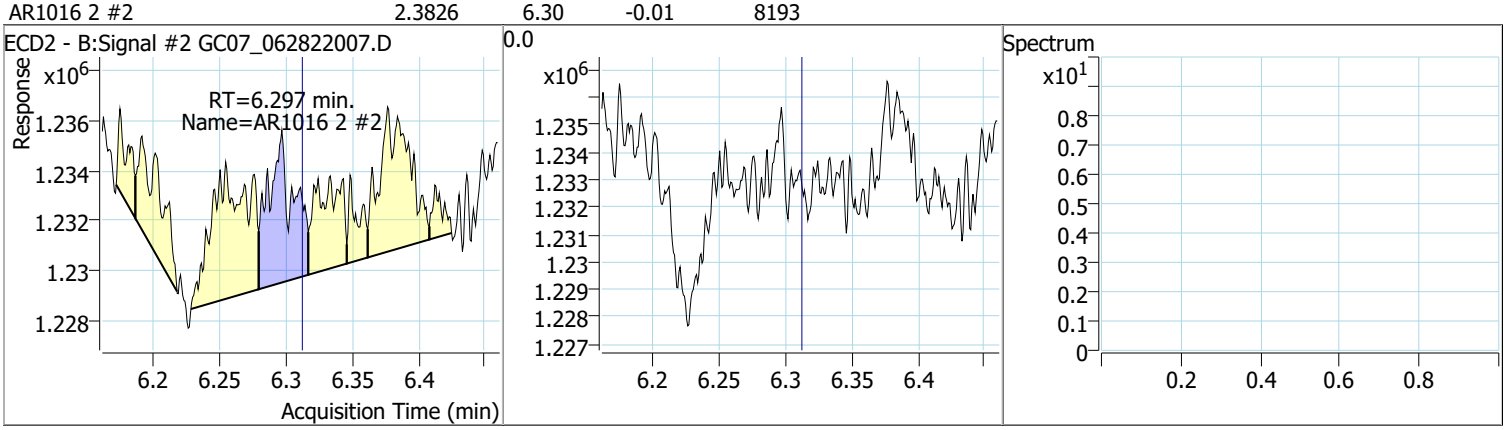
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	5.3070	5.94	0.07	8381				



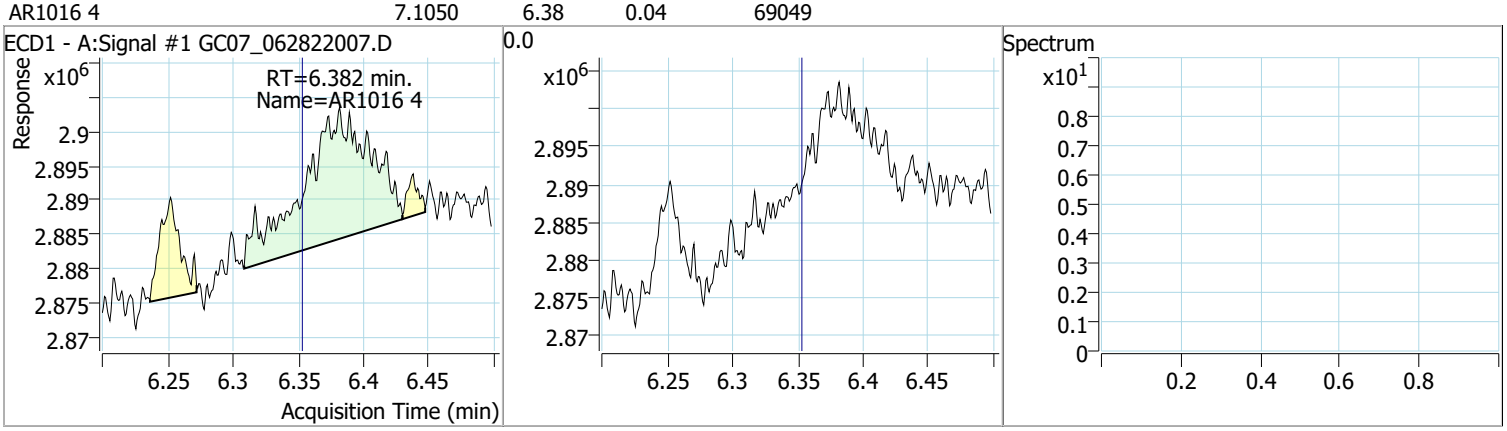
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1.3782	6.25	0.05	18625				



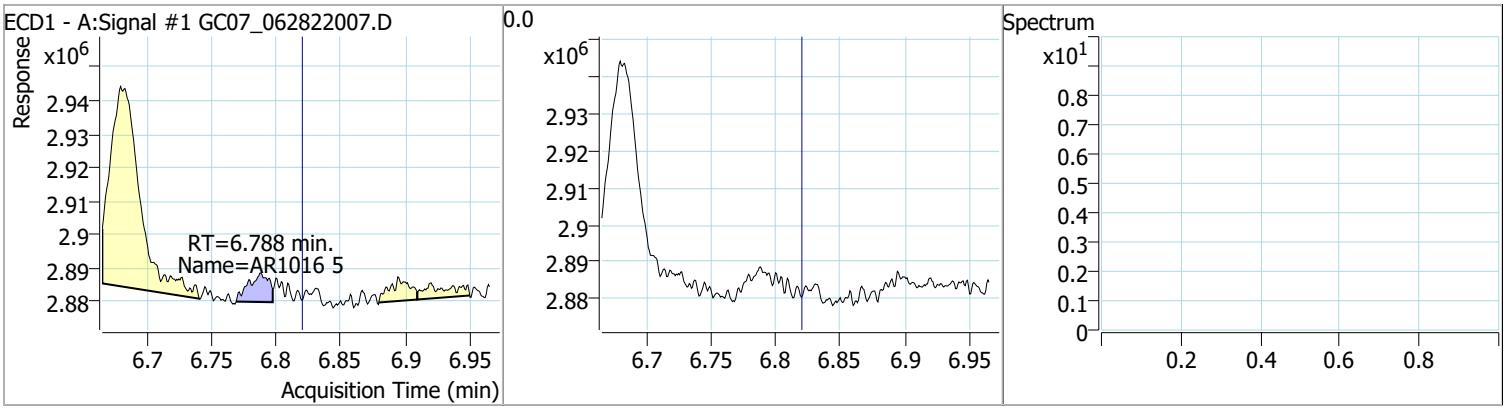
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	2.3826	6.30	-0.01	8193				



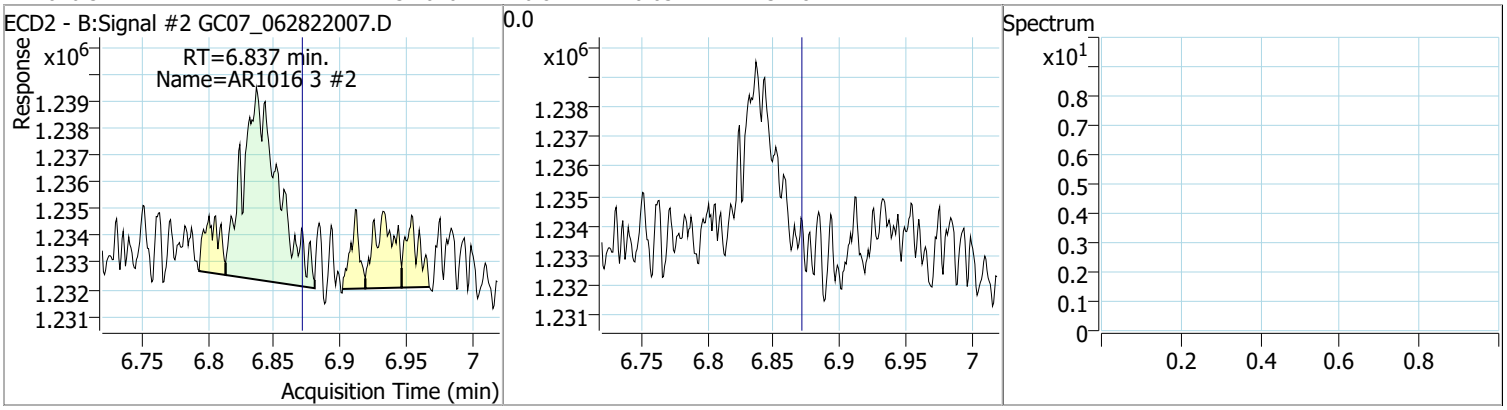
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	7.1050	6.38	0.04	69049				



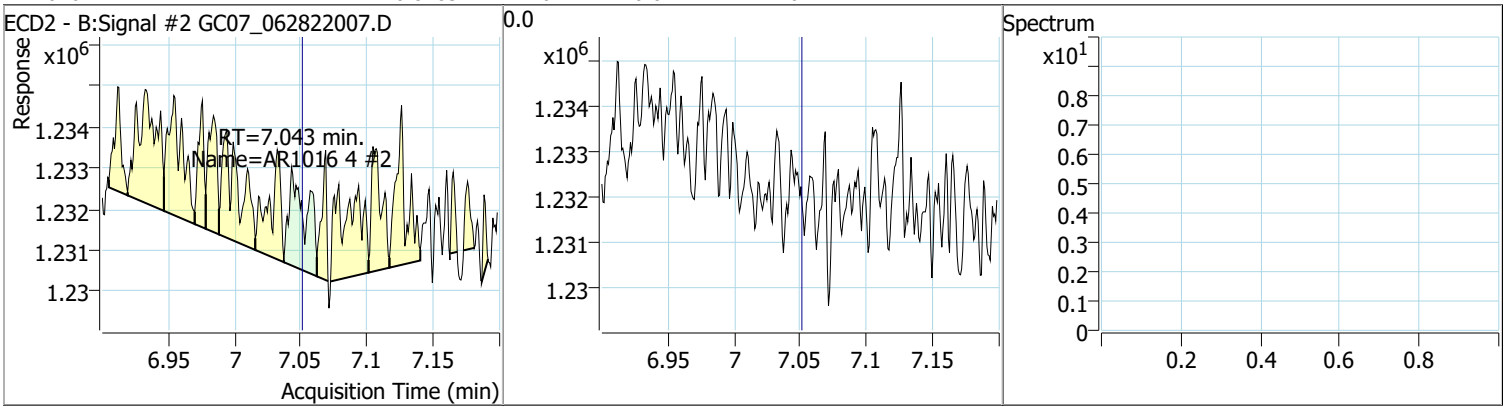
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1.1561	6.79	-0.02	9358				



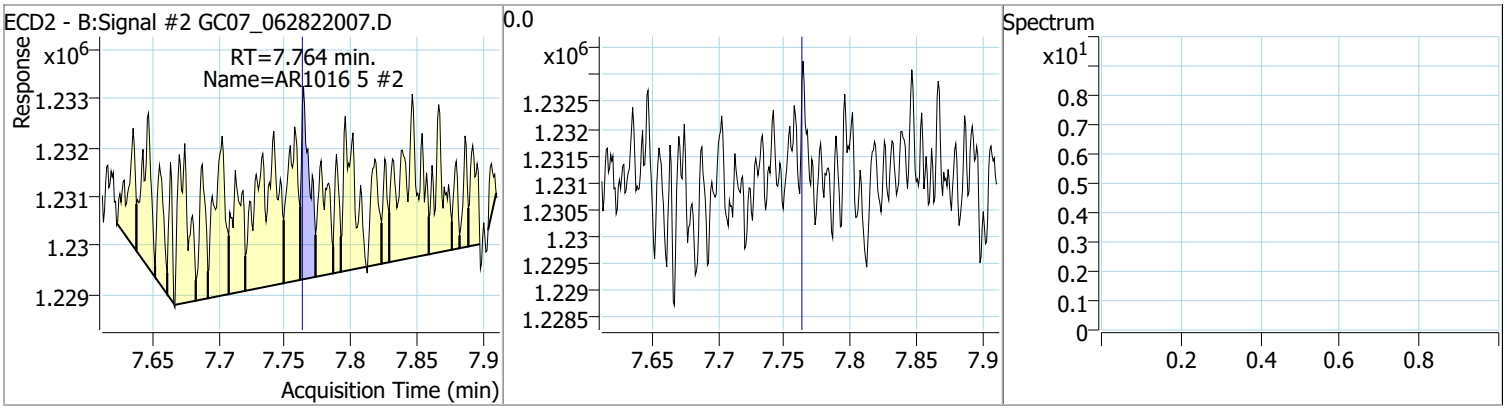
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	3.4016	6.84	-0.03	13418				



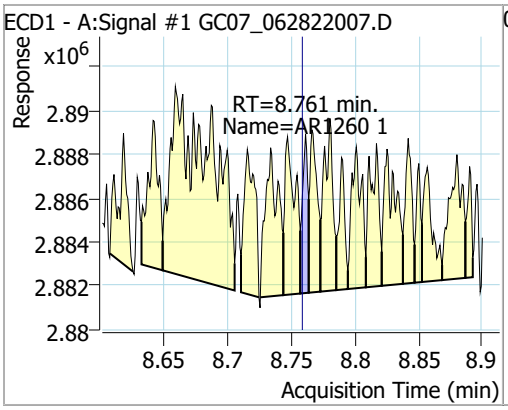
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.8183	7.04	-0.01	2240				

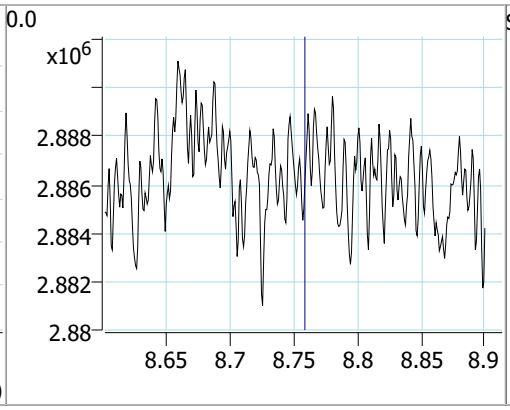


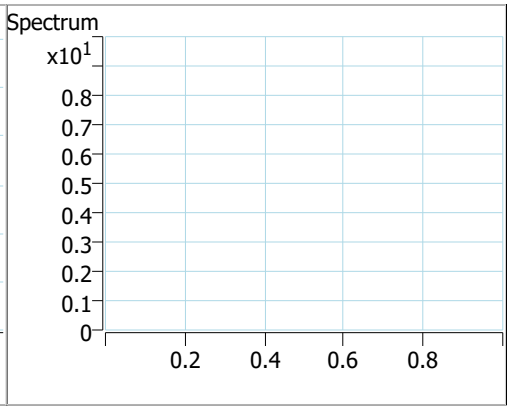
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.7281	7.76	0.00	1665				



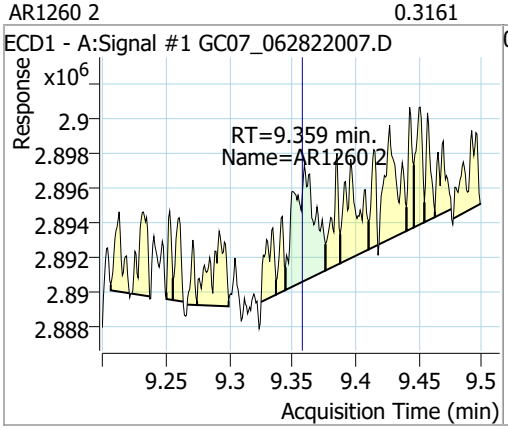
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	0.1229	8.76	0.02	2100				

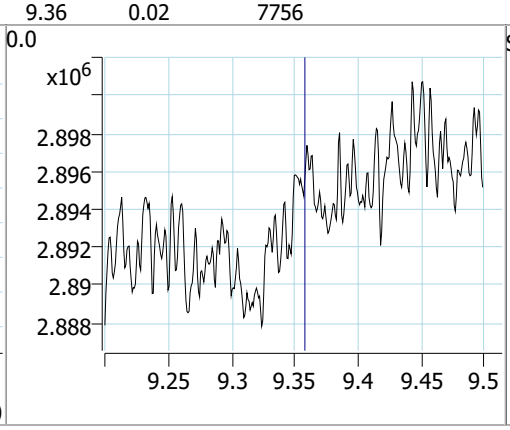


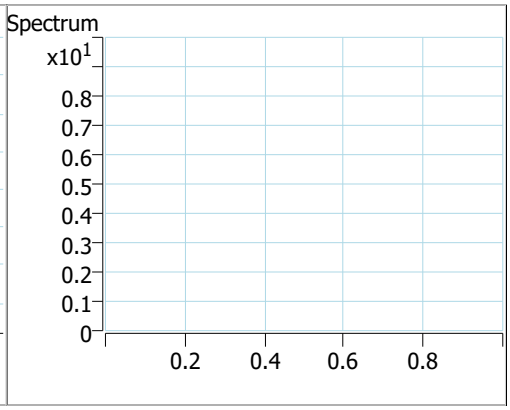




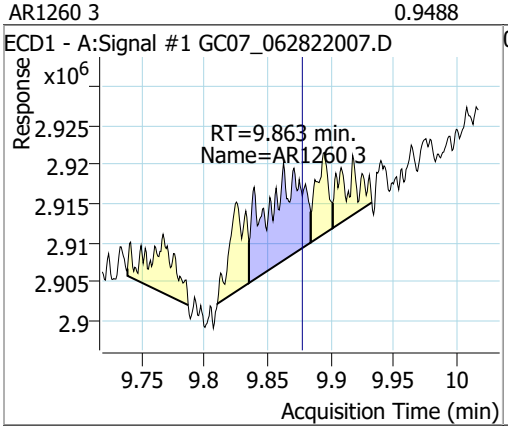
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.3161	9.36	0.02	7756				

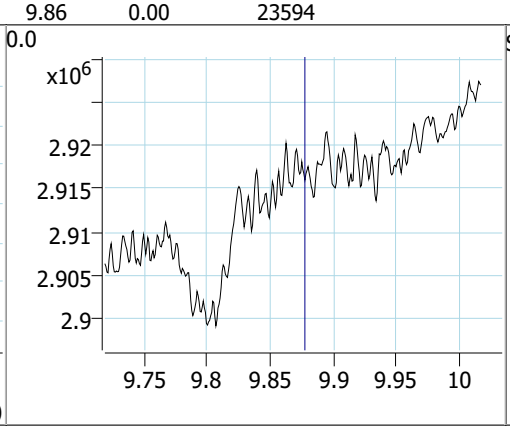


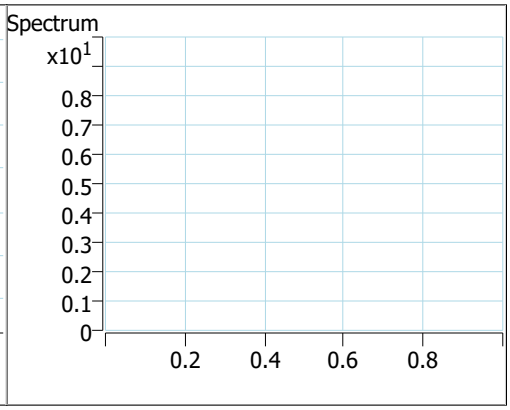




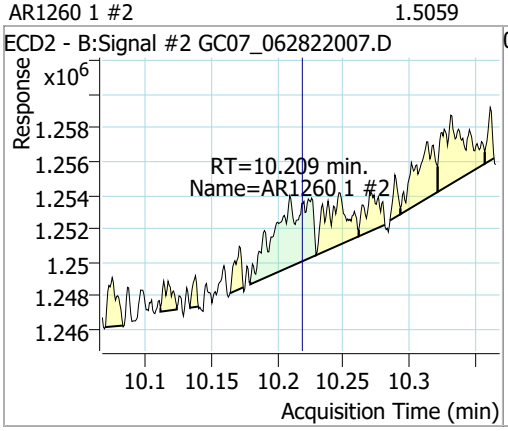
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	0.9488	9.86	0.00	23594				

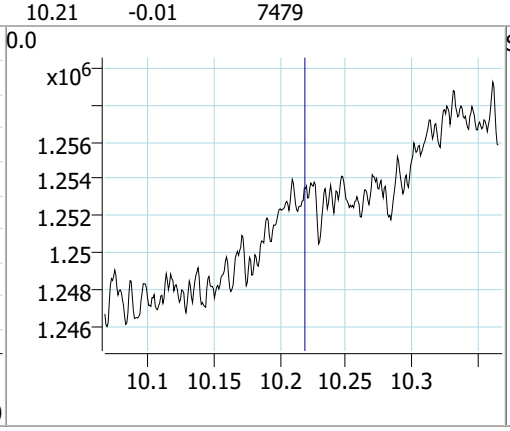


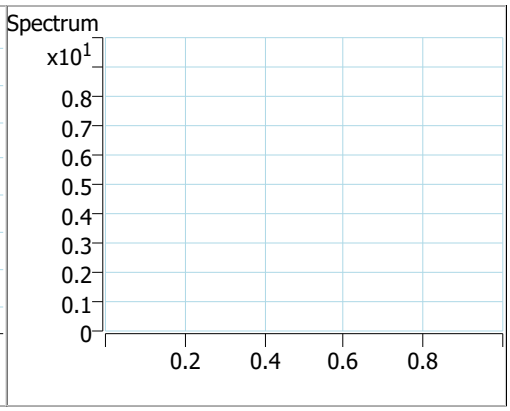




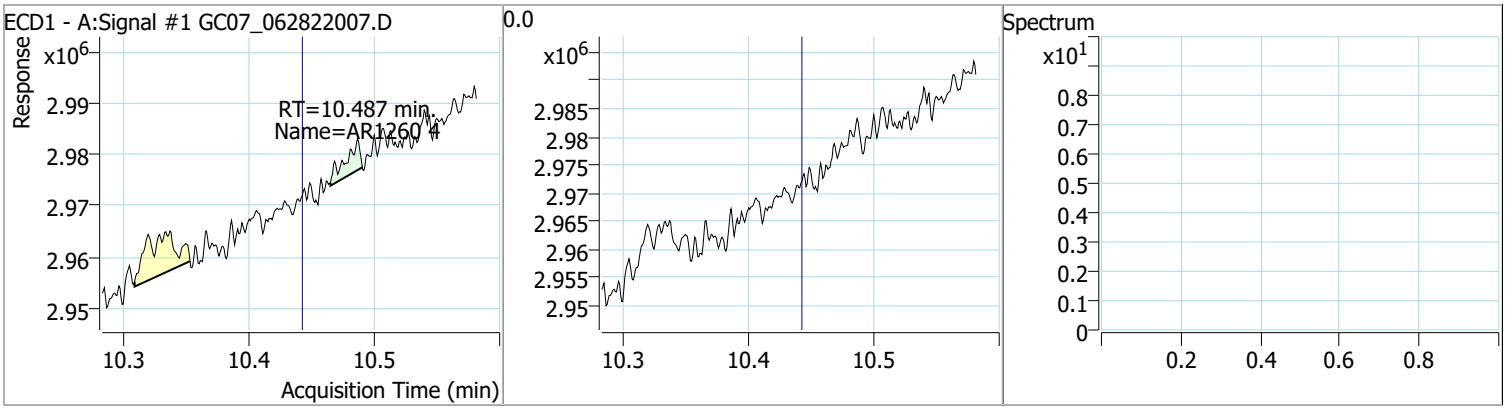
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1.5059	10.21	-0.01	7479				



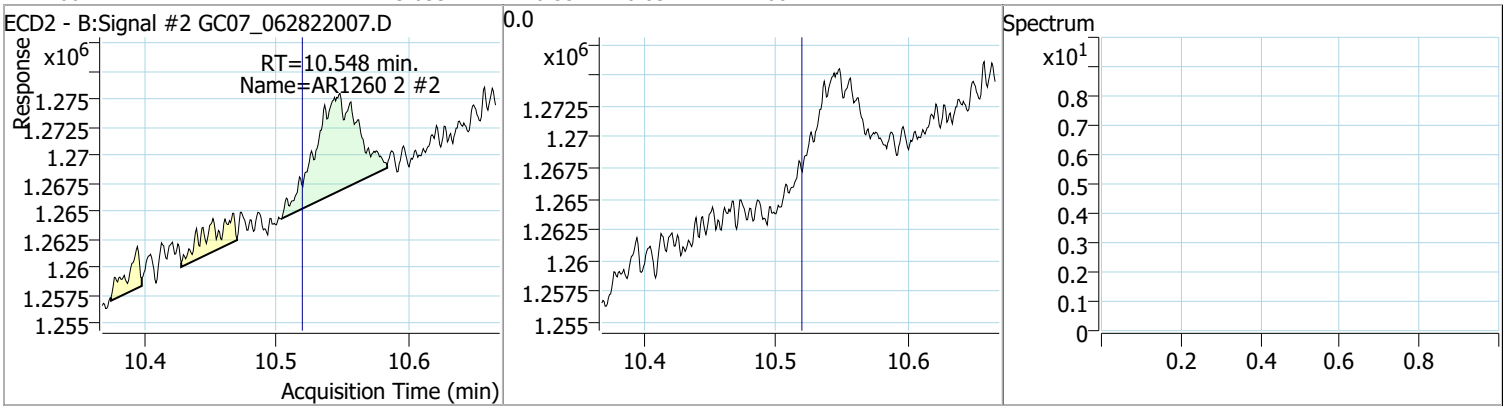




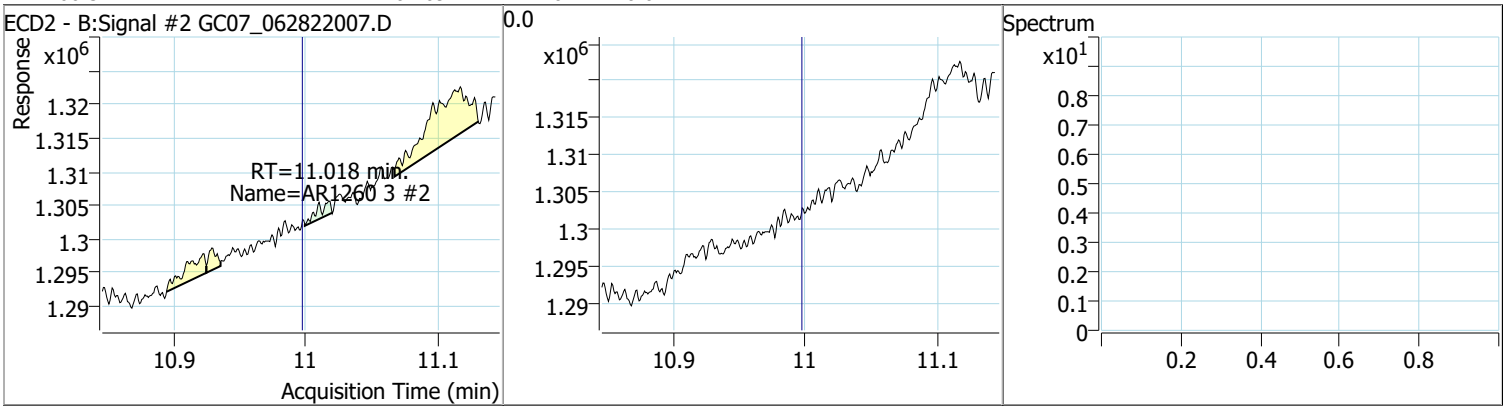
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	0.3897	10.49	0.06	4954				



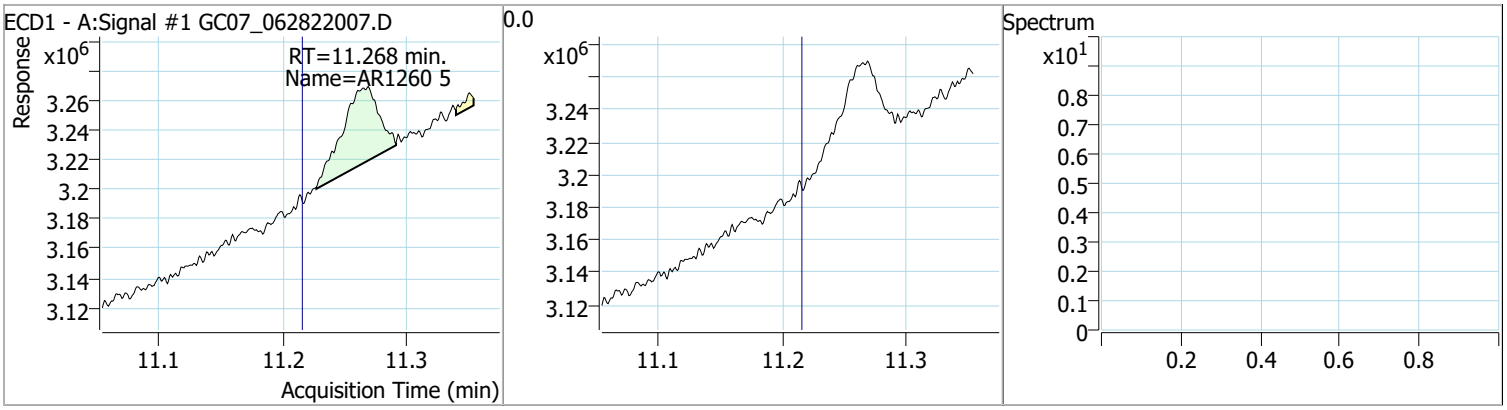
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	3.6332	10.55	0.03	20047				



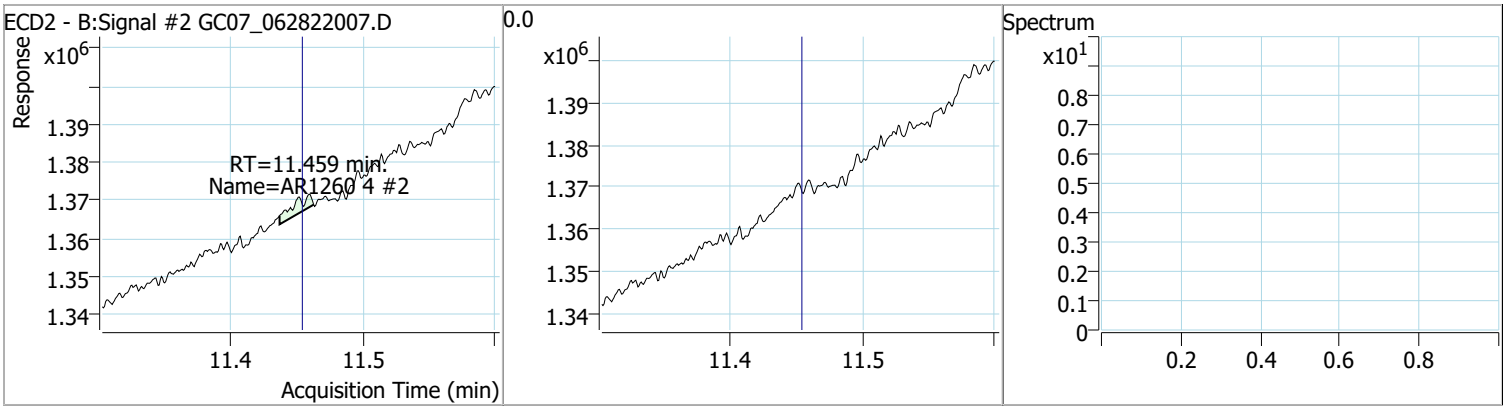
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	0.2094	11.02	0.02	1422				



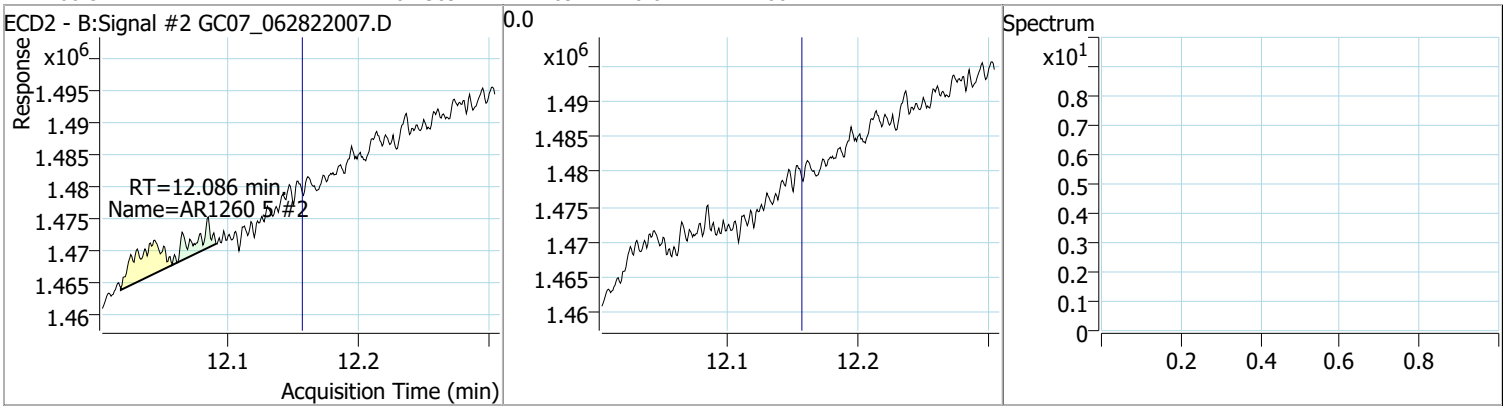
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	9.1788	11.27	0.07	107129				



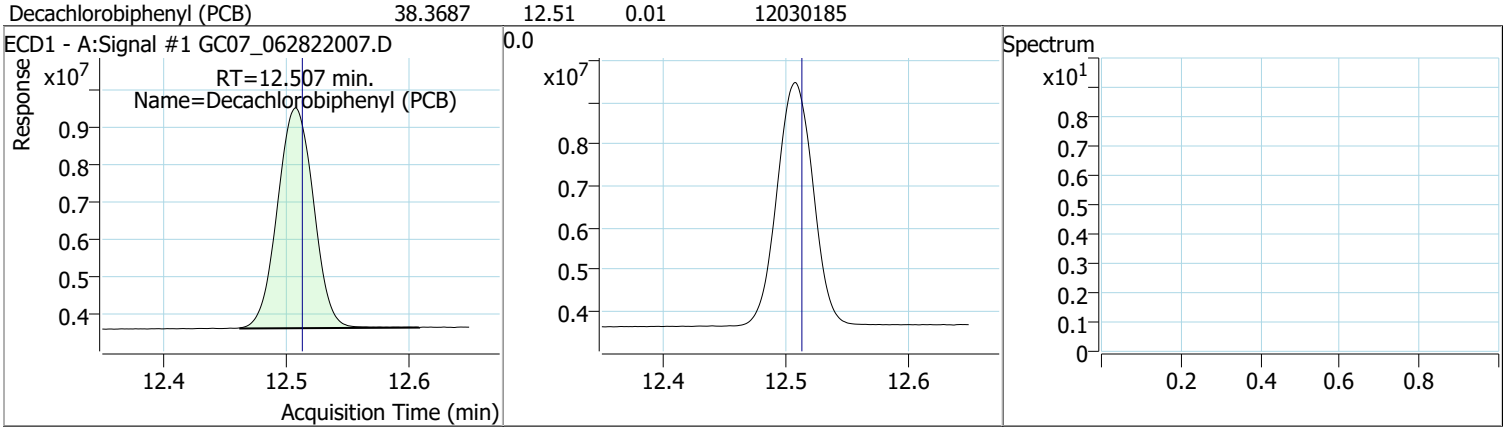
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1.0550	11.46	0.01	4020				



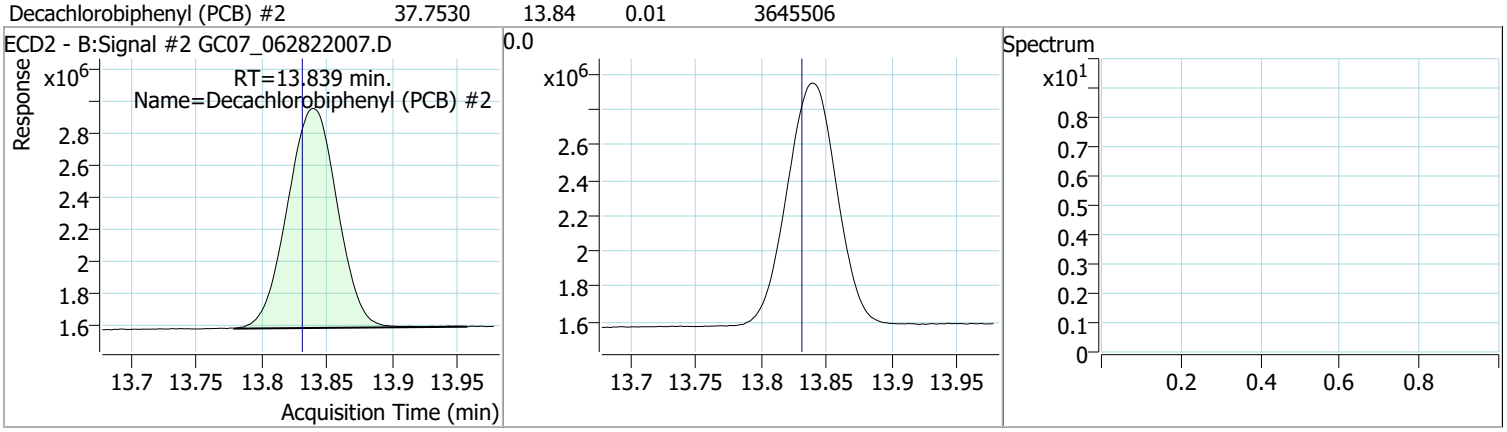
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	0.7309	12.09	-0.07	4002				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	38.3687	12.51	0.01	12030185				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	37.7530	13.84	0.01	3645506				



ENTHALPY SPIKE USER REPORT FOR 464785 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC07	Inst:	SVOA-GC07
Seqnum:	462258436008.6	Seqnum:	462258436009.6
File:	gc07_062822008	File:	gc07_062822009
IDF:	1.0	IDF:	1.0
Lab ID:	QC997362	Lab ID:	QC997363
Matrix:	Wipe	Matrix:	Wipe
Batch:	291960	Batch:	291960
Time:	28-JUN-2022 12:55	Time:	28-JUN-2022 13:13
Cal:	462252739001	Cal:	462252739001
Units:	ug/dm2		

- BS: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Aroclor-1016	5.000	403.1	4.031	B	81	446.6	4.466	B	89	60-140	10	20	u
Aroclor-1016 Peak # 1		405.7	4.057	B		453.0	4.530	B					
Aroclor-1016 Peak # 2		385.8	3.858	B		428.6	4.286	B					
Aroclor-1016 Peak # 3		408.9	4.089	B		446.9	4.469	B					
Aroclor-1016 Peak # 4		417.6	4.176	B		463.3	4.633	B					
Aroclor-1016 Peak # 5		397.5	3.975	B		441.1	4.411	B					
Aroclor-1260	5.000	435.5	4.355	B	87	484.5	4.845	B	97	60-140	11	20	u
Aroclor-1260 Peak # 1		403.5	4.035	B		440.9	4.409	B					
Aroclor-1260 Peak # 2		411.8	4.118	B		455.5	4.555	B					
Aroclor-1260 Peak # 3		419.6	4.196	B		464.1	4.641	B					
Aroclor-1260 Peak # 4		459.4	4.594	B		524.2	5.242	B					
Aroclor-1260 Peak # 5		483.2	4.832	B		537.6	5.376	B					
Surrogates													
TCMX (PCB)	0.5000	41.02	0.4102	B	82	45.08	0.4508	B	90	52-186			u
Decachlorobiphenyl (PCB)	0.5000	36.32	0.3632	B	73	39.78	0.3978	B	80	60-140			u

ISTD (CCV gc07_062822004)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1389469	1410452	1.51
1-bromo-2-nitrobenzene (PCB)	A	5233508	5058676	-3.34

ISTD (CCV gc07_062822004)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.25	4.25	0.00

ISTD (CCV gc07_062822004)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1389469	1222092	-12.05
1-bromo-2-nitrobenzene (PCB)	A	5233508	4449476	-14.98

ISTD (CCV gc07_062822004)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.25	4.25	0.00

Analyst: TRN 06/29/22 *

Reviewer: SLL 06/29/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC07_062822008.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/28/2022 12:55:30 PM
Sample Name	QC997362, 291960, 1	Instrument	SVOA-GC07
Vial	2	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_2.m	Comment	Wipe/1s-20ml//3580 method
Tune File	ATUNE.U	Tune Date	
Batch Name	062822PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
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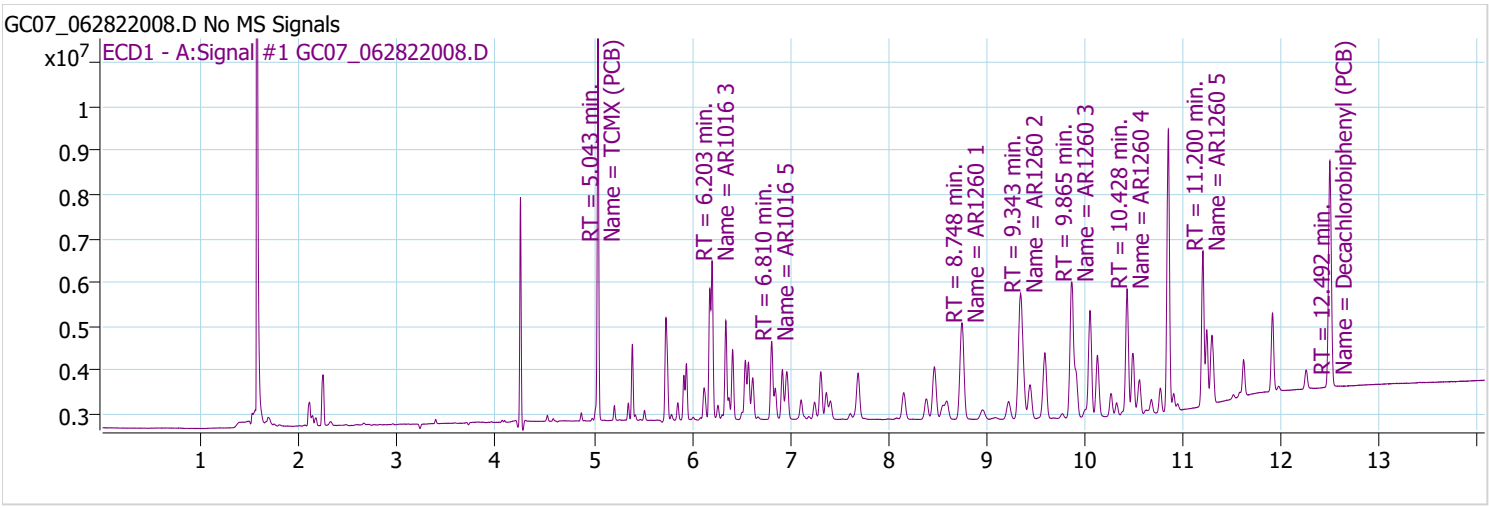
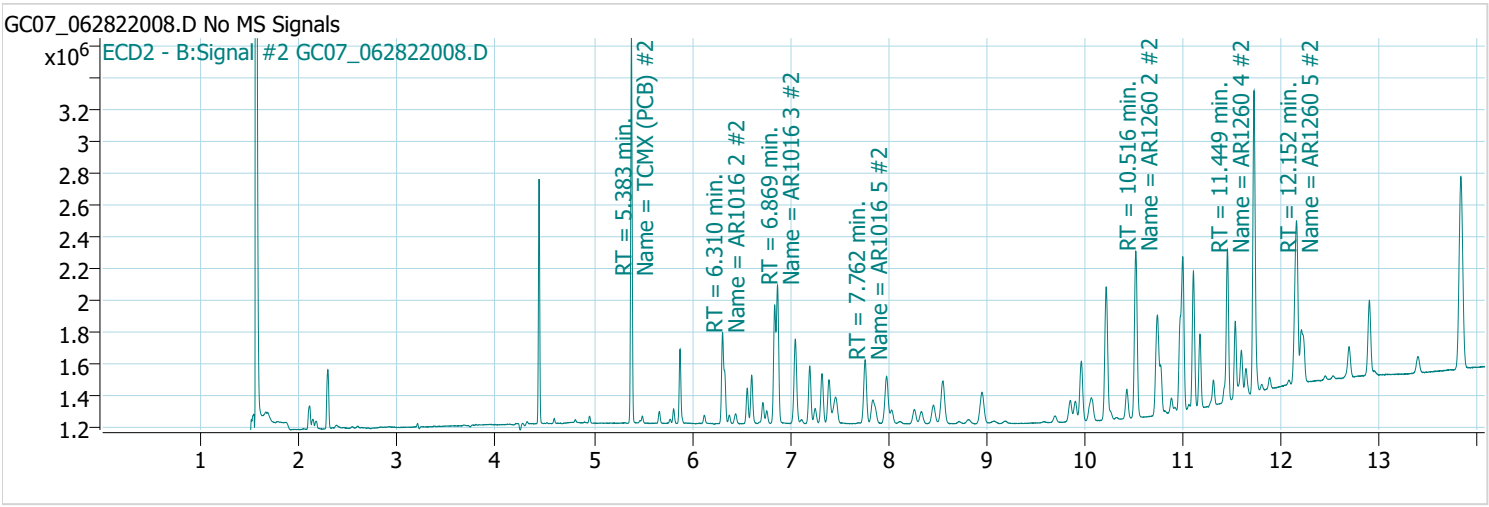


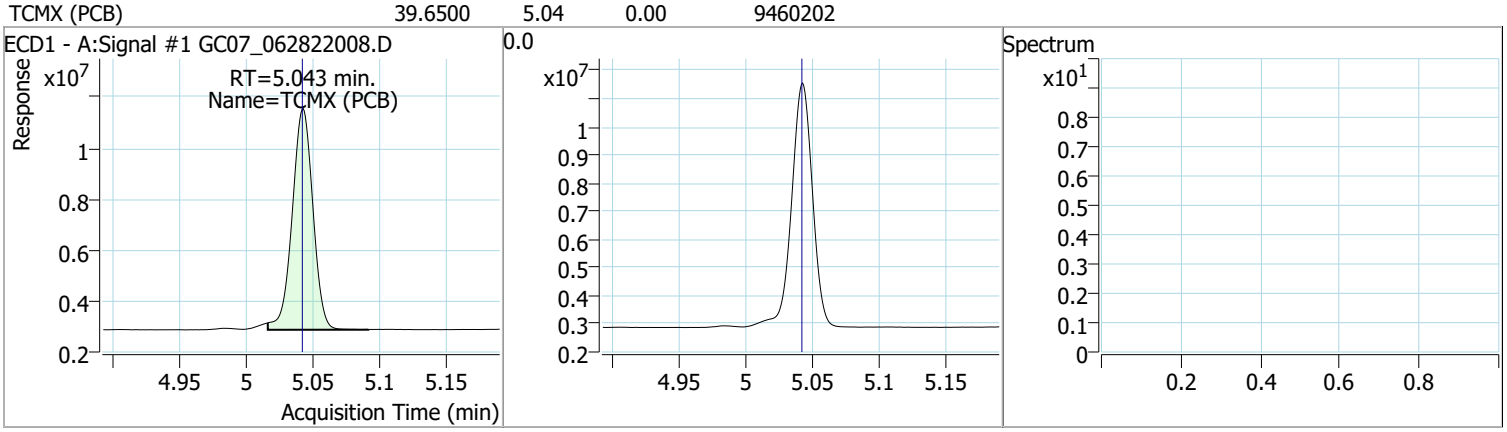


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.253	0.0	5058676.467	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.443	0.0	1410452.089	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.043	0.0	9460202.415	39.6500	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 198.25%		*	
S TCMX (PCB) #2	5.383	0.0	2624088.809	40.9949	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 204.97%		*	
S Decachlorobiphenyl (PCB)	12.492	0.0	10406788.809	36.8273	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 184.14%		*	
S Decachlorobiphenyl (PCB) #2	13.825	0.0	3152930.227	36.3027	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 181.51%		*	
Target Compounds							QValue

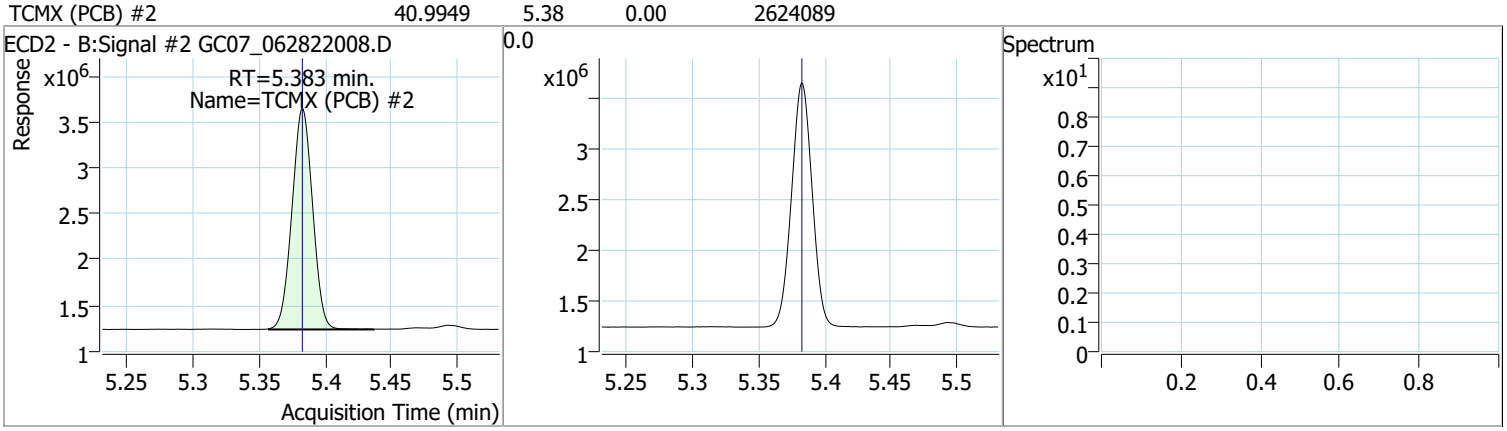
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.393	0.0	2042232.117	420.8091	ng/ml	100
T AR1016 2	5.734	0.0	4210470.418	400.3010	ng/ml	100
T AR1016 1 #2	5.878	0.0	575998.208	405.5196	ng/ml	100
T AR1016 3	6.203	0.0	4874919.647	400.2396	ng/ml	100
T AR1016 2 #2	6.310	0.0	1192689.140	385.6141	ng/ml	100
T AR1016 4	6.343	0.0	3265624.864	372.8404	ng/ml	100
T AR1016 5	6.810	0.0	3028156.847	415.0570	ng/ml	100
T AR1016 3 #2	6.869	0.0	1449905.228	408.6720	ng/ml	100
T AR1016 4 #2	7.051	0.0	1027616.874	417.3300	ng/ml	100
T AR1016 5 #2	7.762	0.0	817198.873	397.2938	ng/ml	100
T AR1260 1	8.748	0.0	6317455.797	410.0422	ng/ml	100
T AR1260 2	9.343	0.0	9460529.993	427.7555	ng/ml	100
T AR1260 3	9.865	0.0	9817623.664	438.0413	ng/ml	100
T AR1260 1 #2	10.214	0.0	1801651.437	403.3306	ng/ml	100
T AR1260 4	10.428	0.0	5414288.850	472.5549	ng/ml	100
T AR1260 2 #2	10.516	0.0	2042729.981	411.6085	ng/ml	100
T AR1260 3 #2	10.994	0.0	2561858.320	419.3940	ng/ml	100
T AR1260 5	11.200	0.0	6116539.008	581.4759	ng/ml	100
T AR1260 4 #2	11.449	0.0	1573508.524	459.1201	ng/ml	100
T AR1260 5 #2	12.152	0.0	2378192.787	482.8782	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

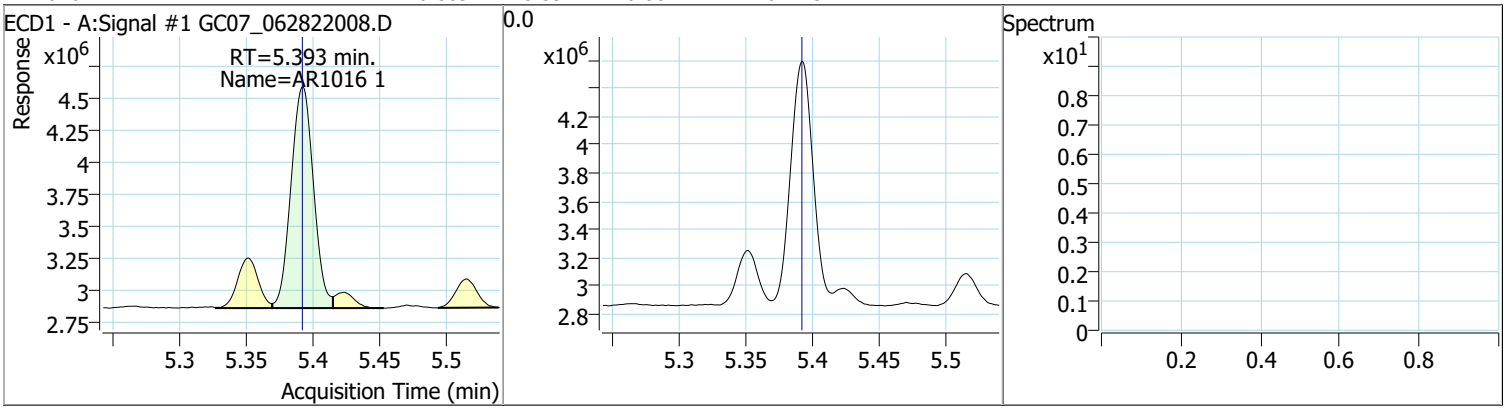
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.6500	5.04	0.00	9460202				



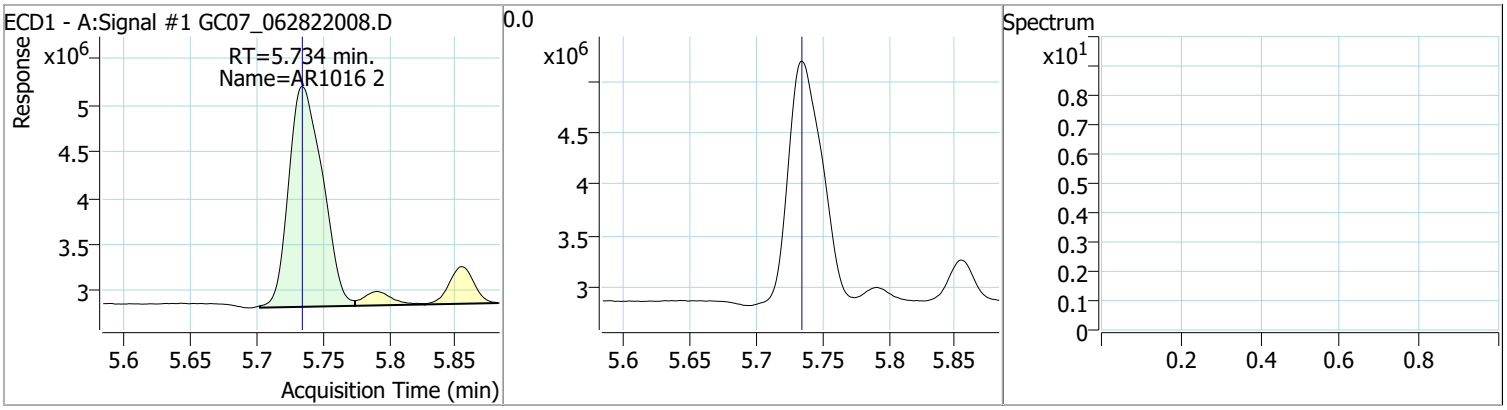
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	40.9949	5.38	0.00	2624089				



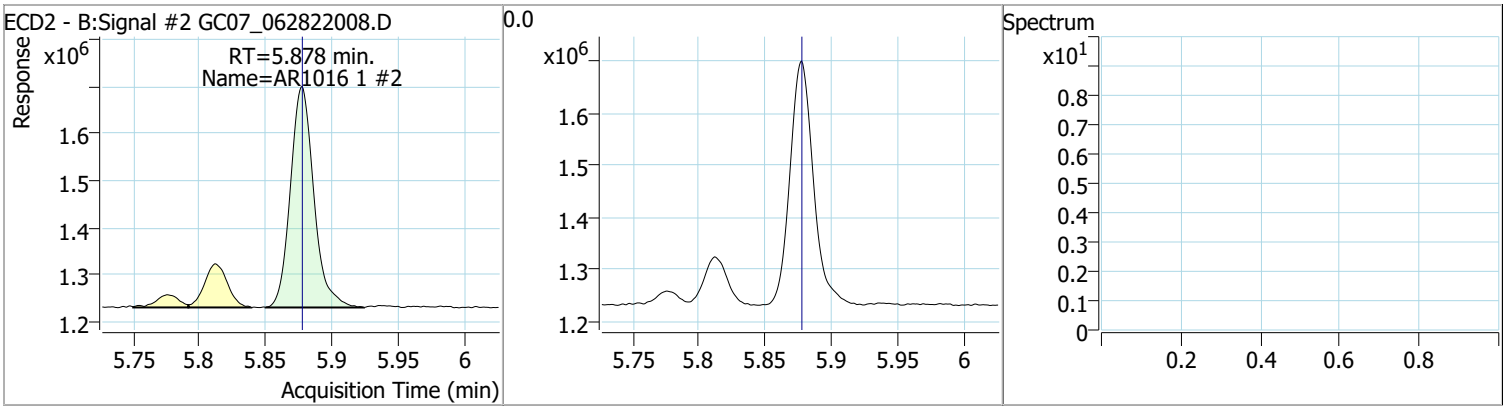
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	420.8091	5.39	0.00	2042232				



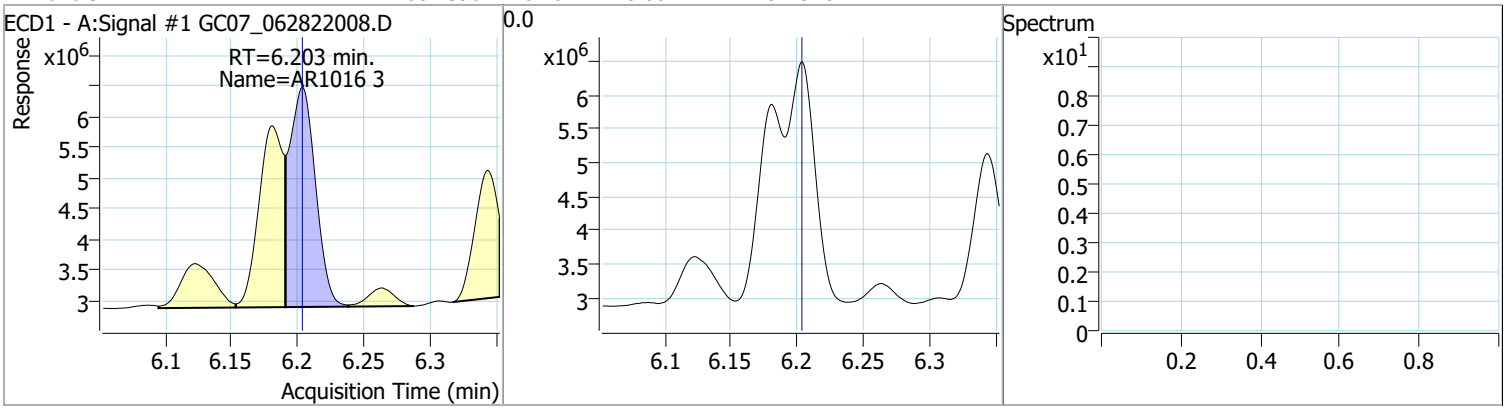
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	400.3010	5.73	0.00	4210470				



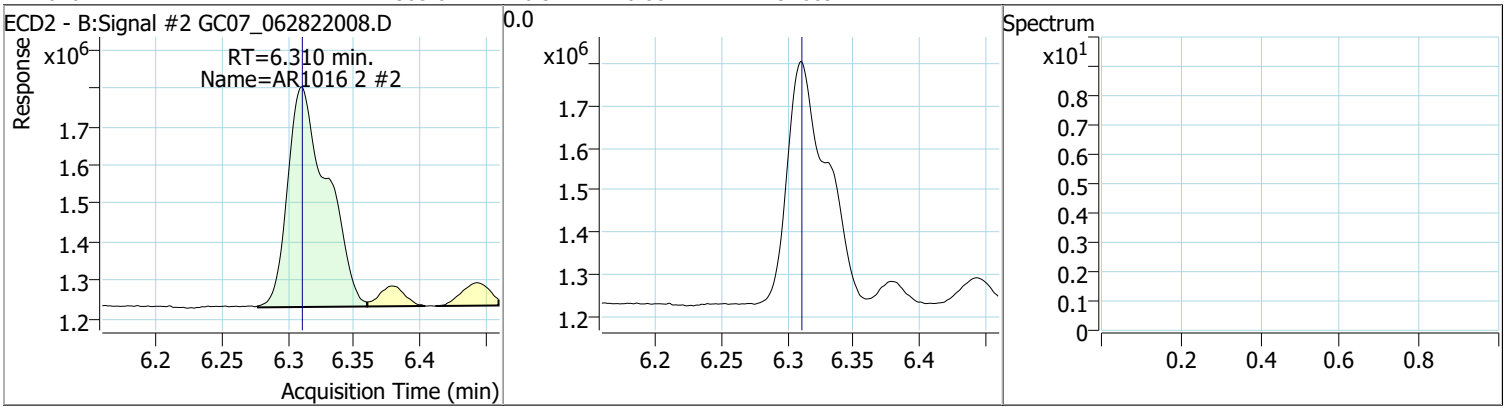
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	405.5196	5.88	0.00	575998				



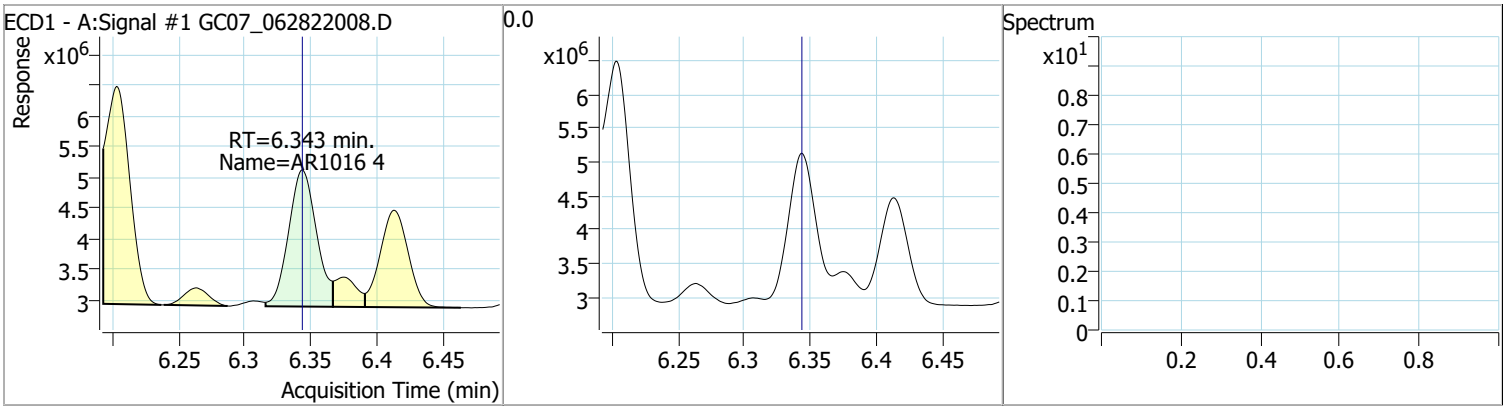
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	400.2396	6.20	0.00	4874920				



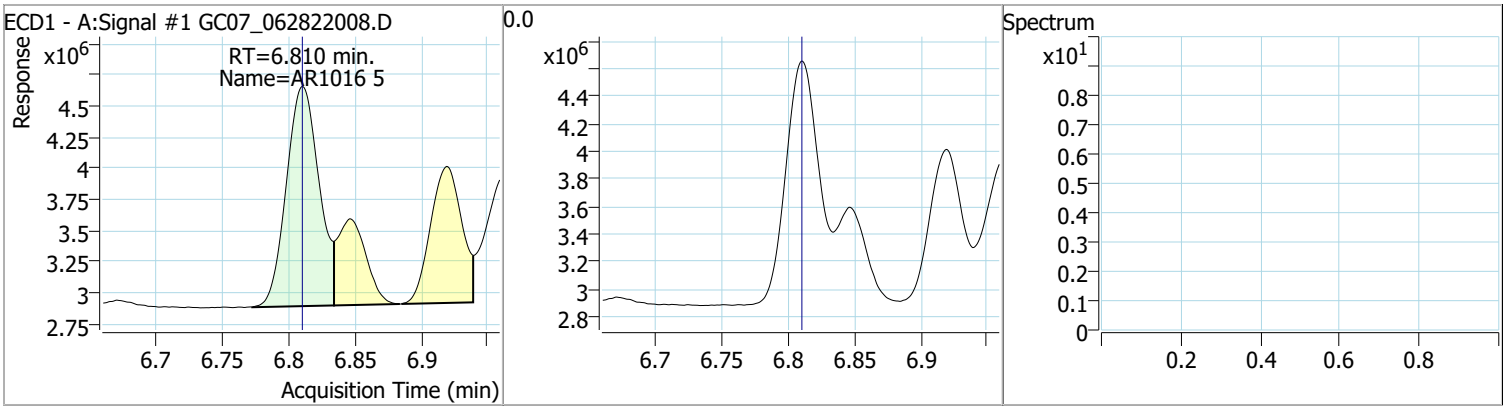
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	385.6141	6.31	0.00	1192689				



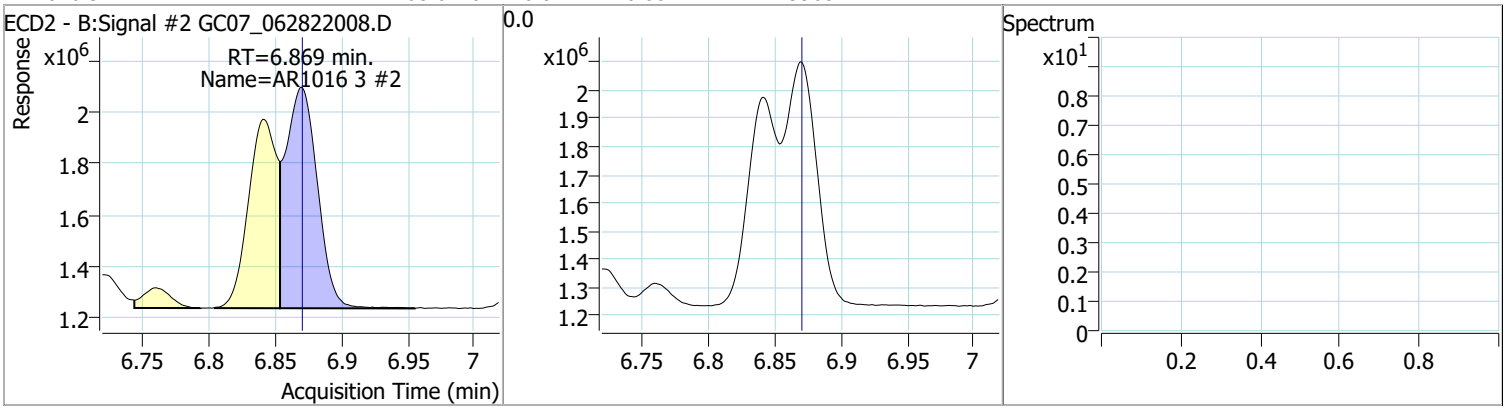
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	372.8404	6.34	0.00	3265625				



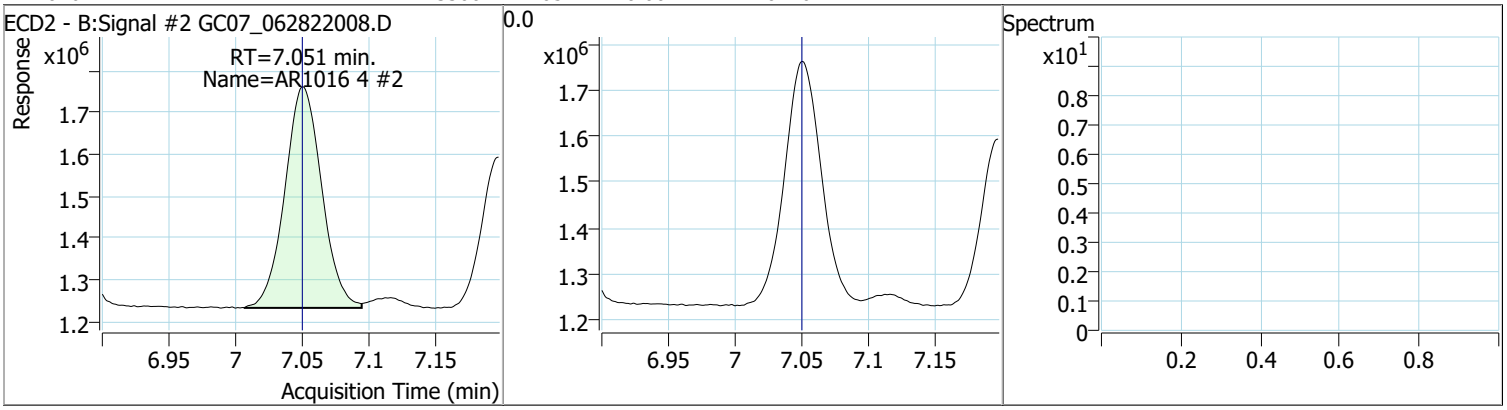
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	415.0570	6.81	0.00	3028157				



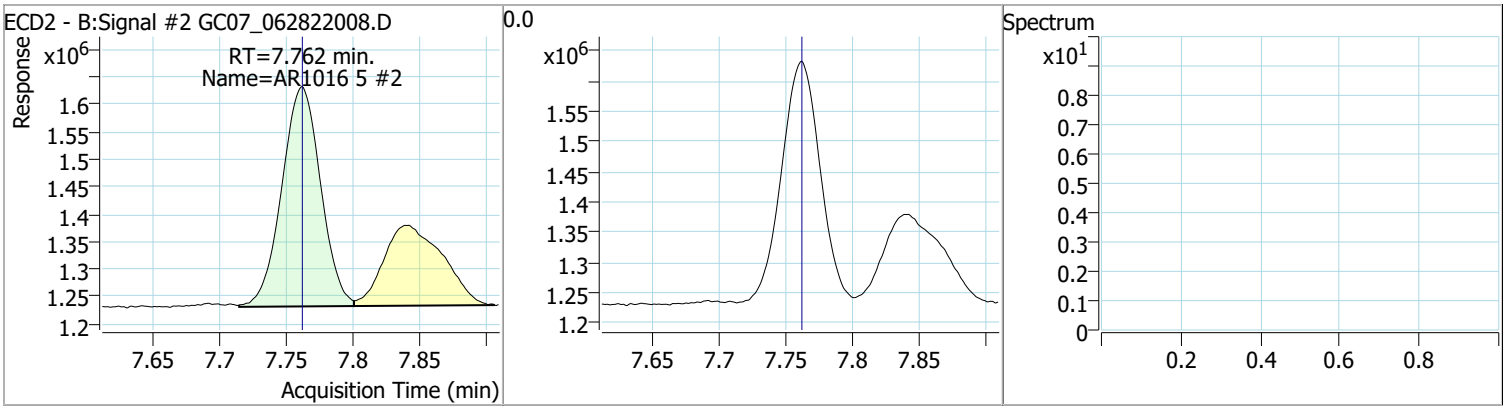
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	408.6720	6.87	0.00	1449905				



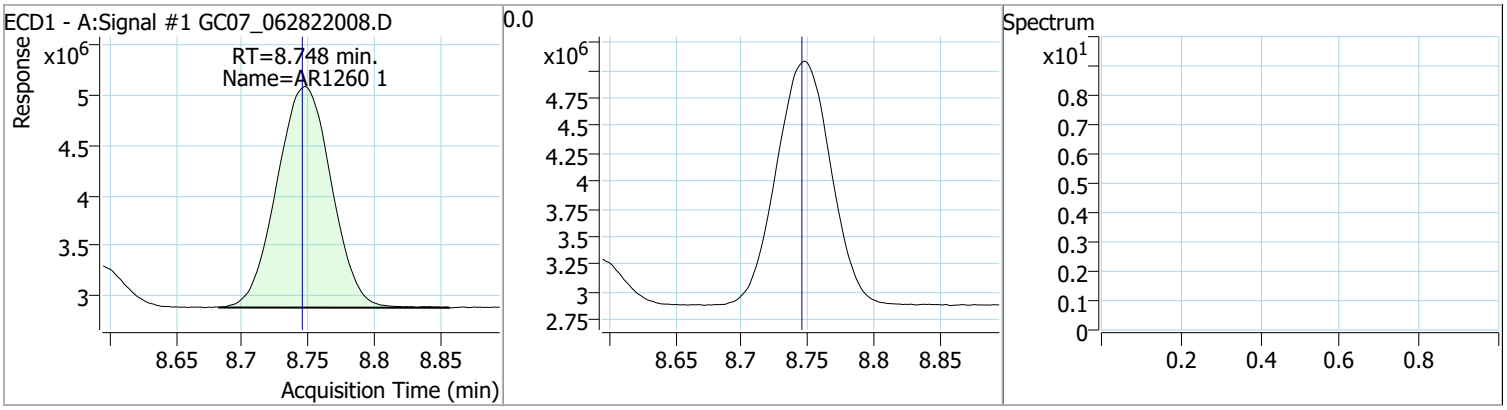
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	417.3300	7.05	0.00	1027617				



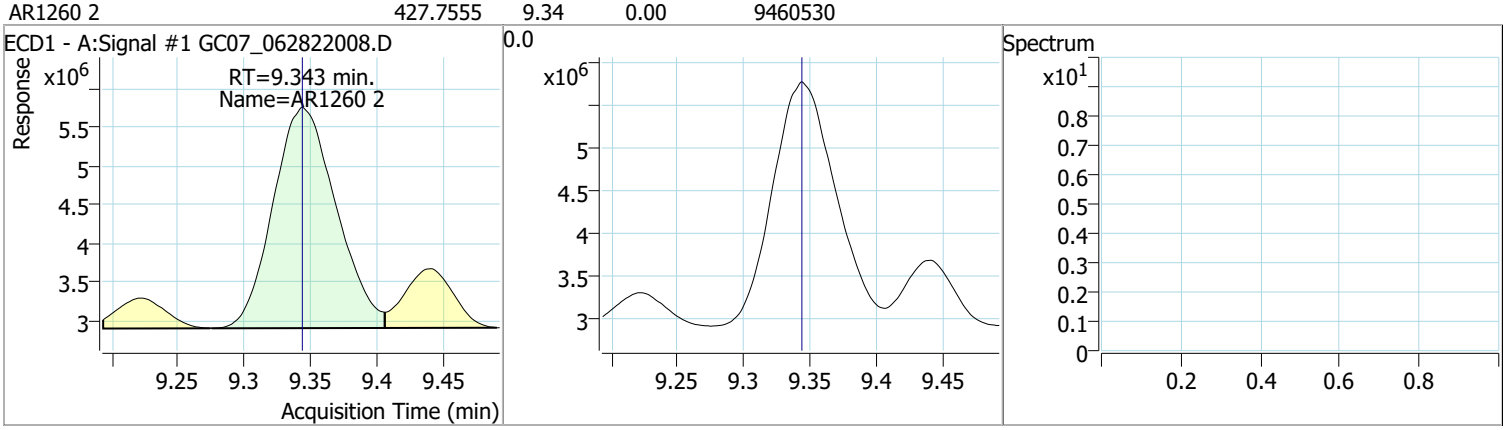
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	397.2938	7.76	0.00	817199				



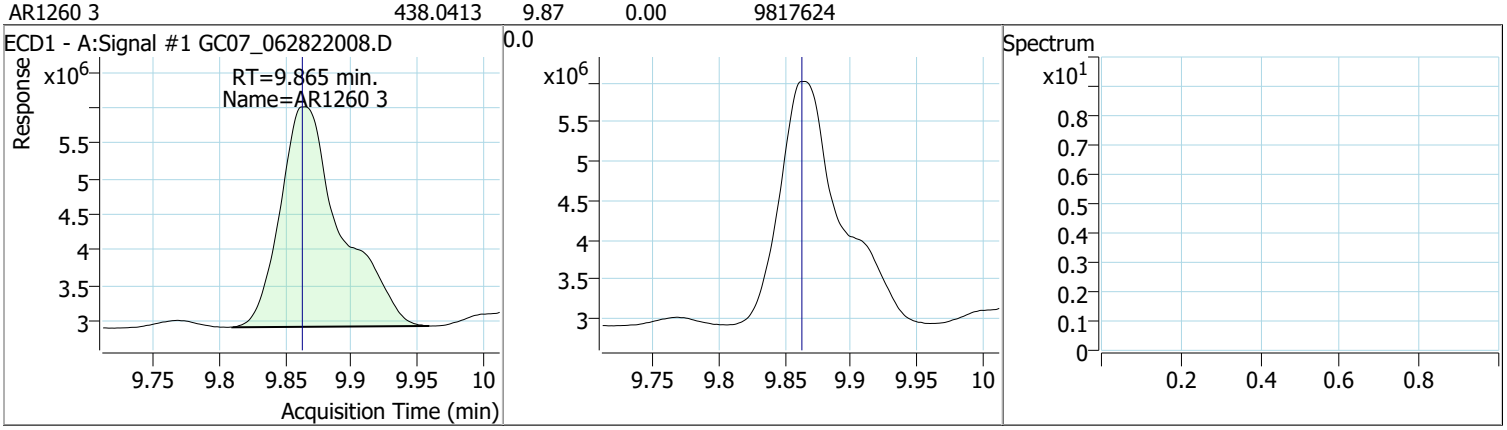
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	410.0422	8.75	0.00	6317456				



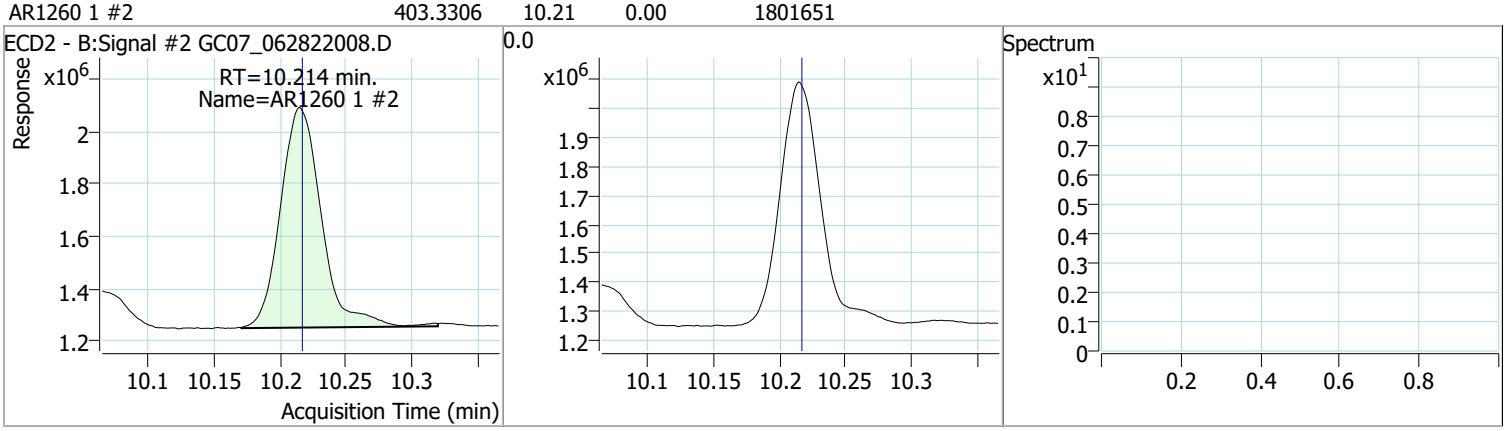
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	427.7555	9.34	0.00	9460530				



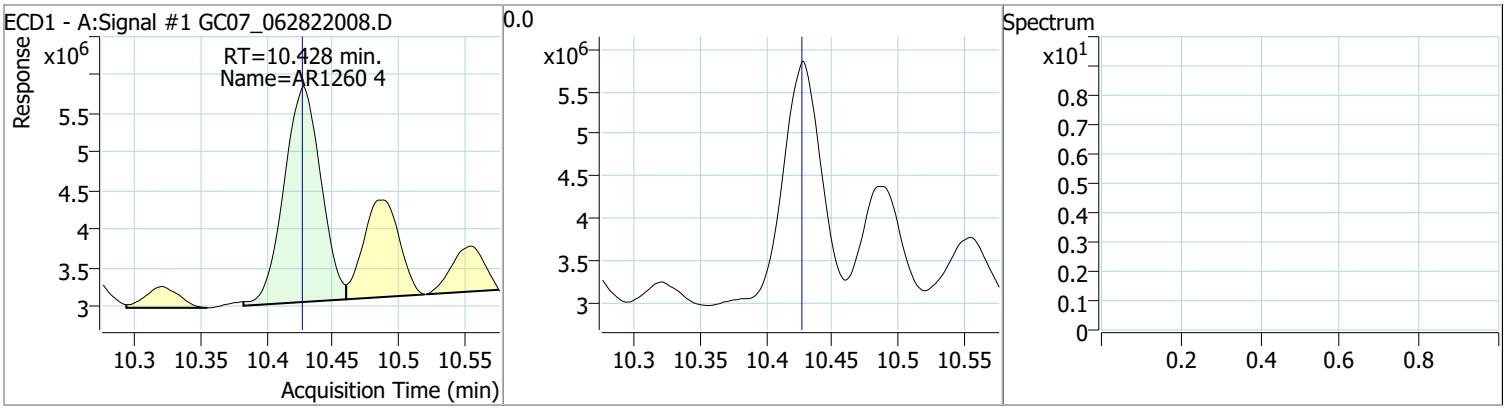
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	438.0413	9.87	0.00	9817624				



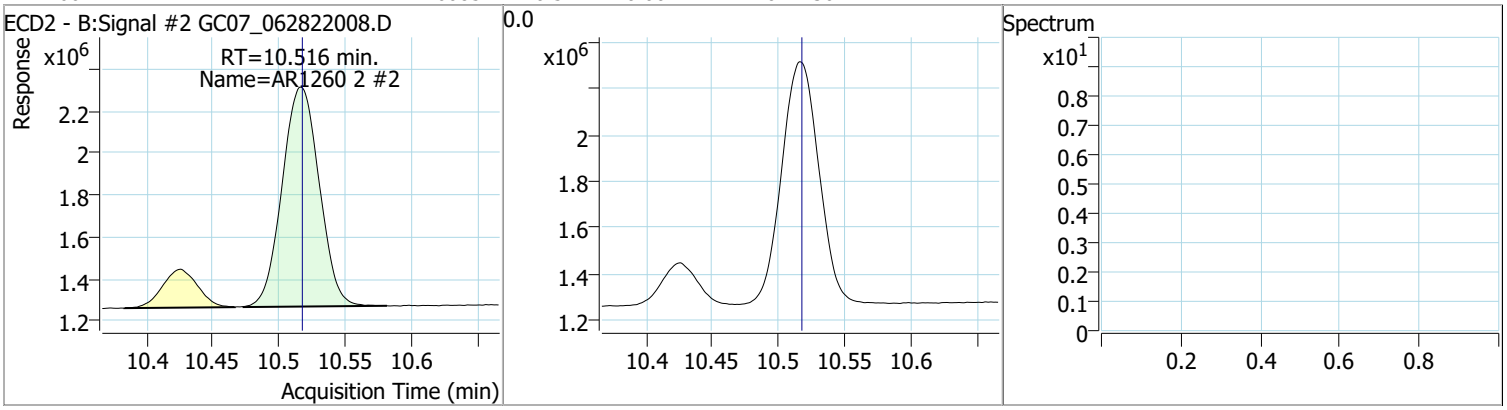
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	403.3306	10.21	0.00	1801651				



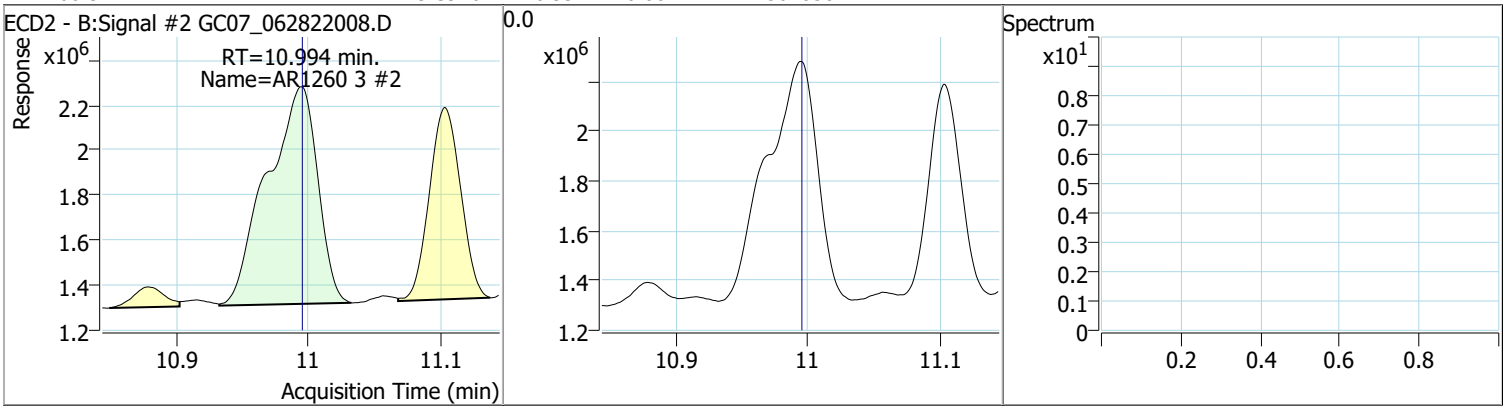
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	472.5549	10.43	0.00	5414289				



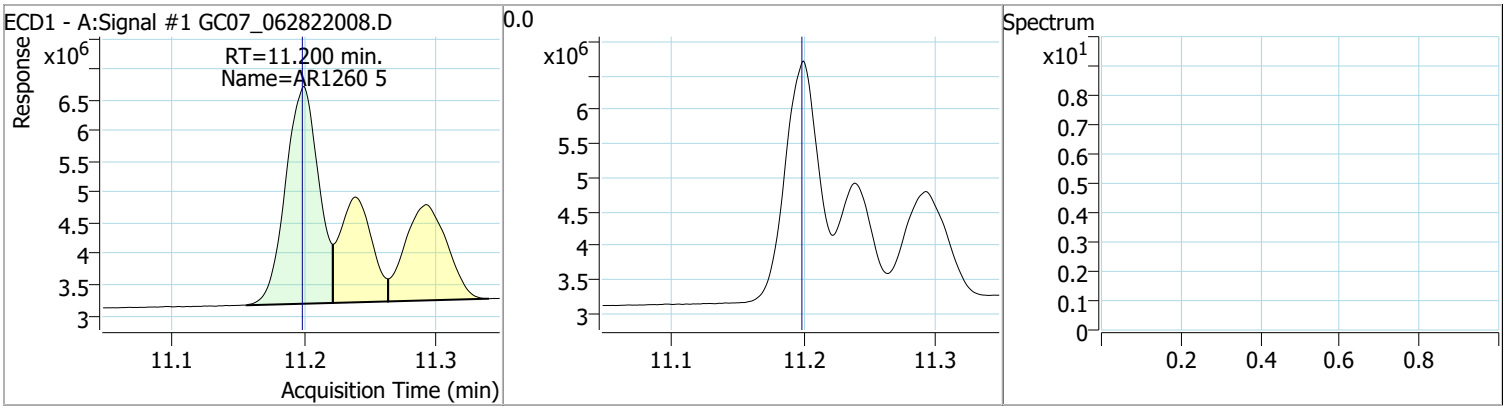
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	411.6085	10.52	0.00	2042730				



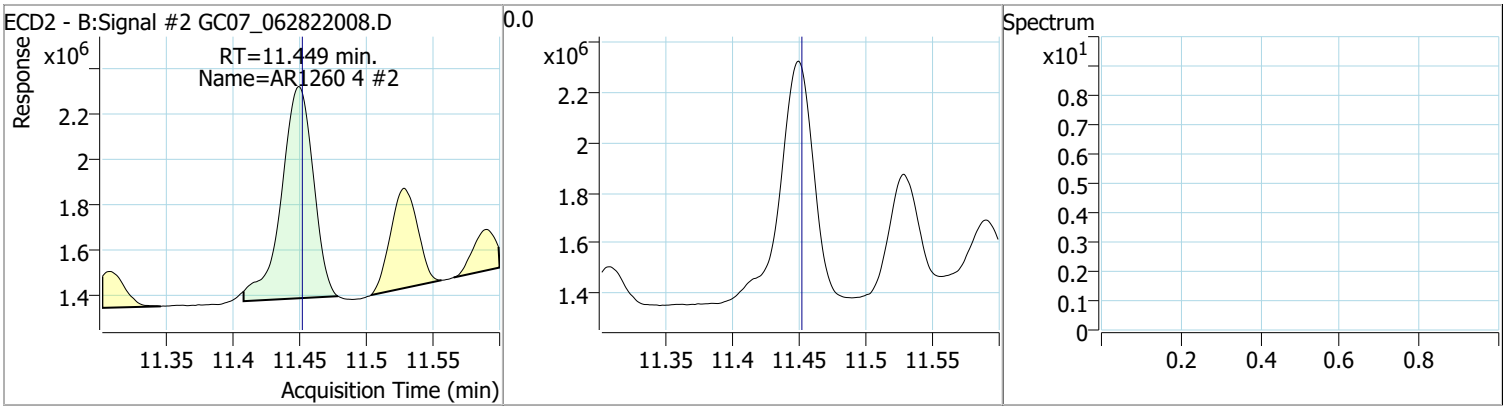
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	419.3940	10.99	0.00	2561858				



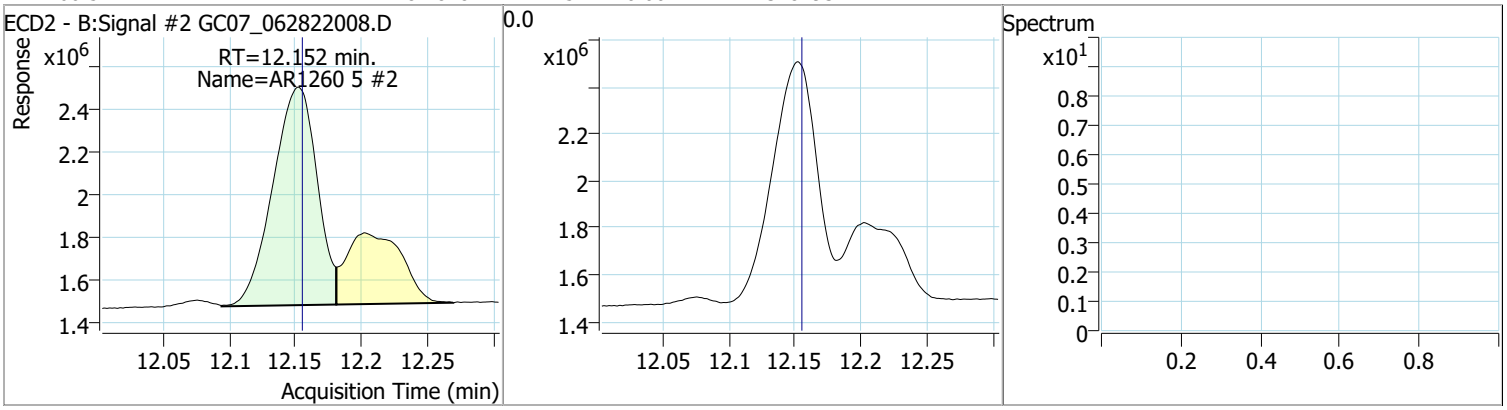
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	581.4759	11.20	0.00	6116539				



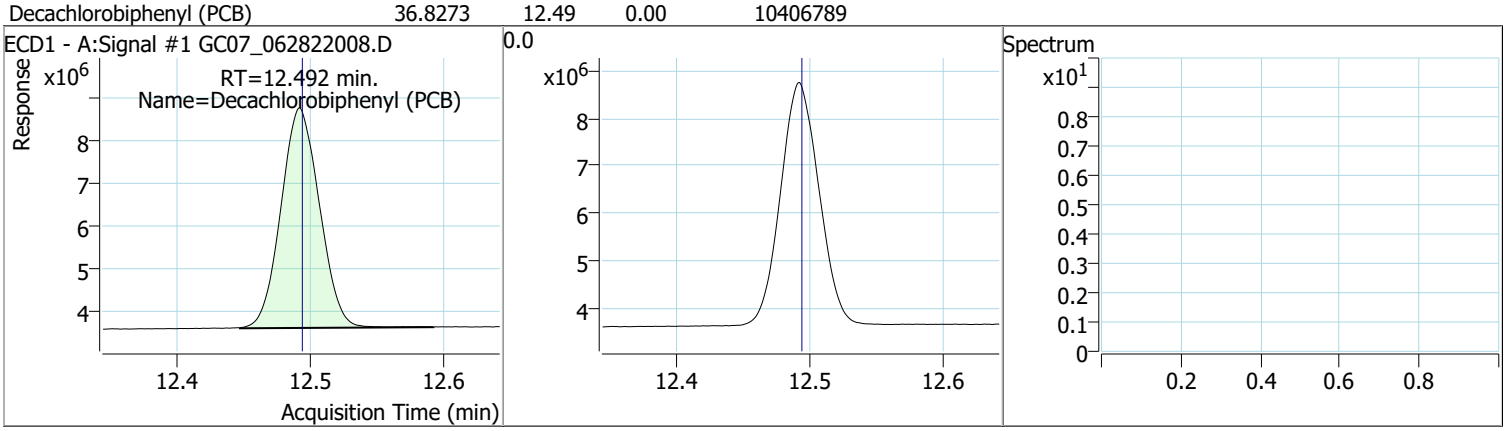
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	459.1201	11.45	0.00	1573509				



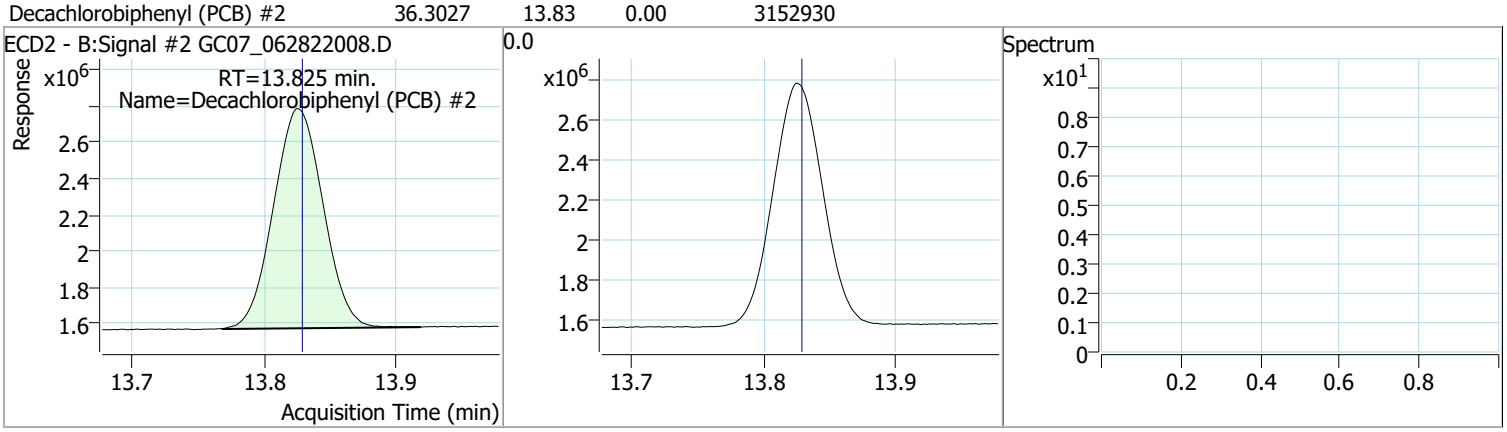
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	482.8782	12.15	0.00	2378193				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	36.8273	12.49	0.00	10406789				

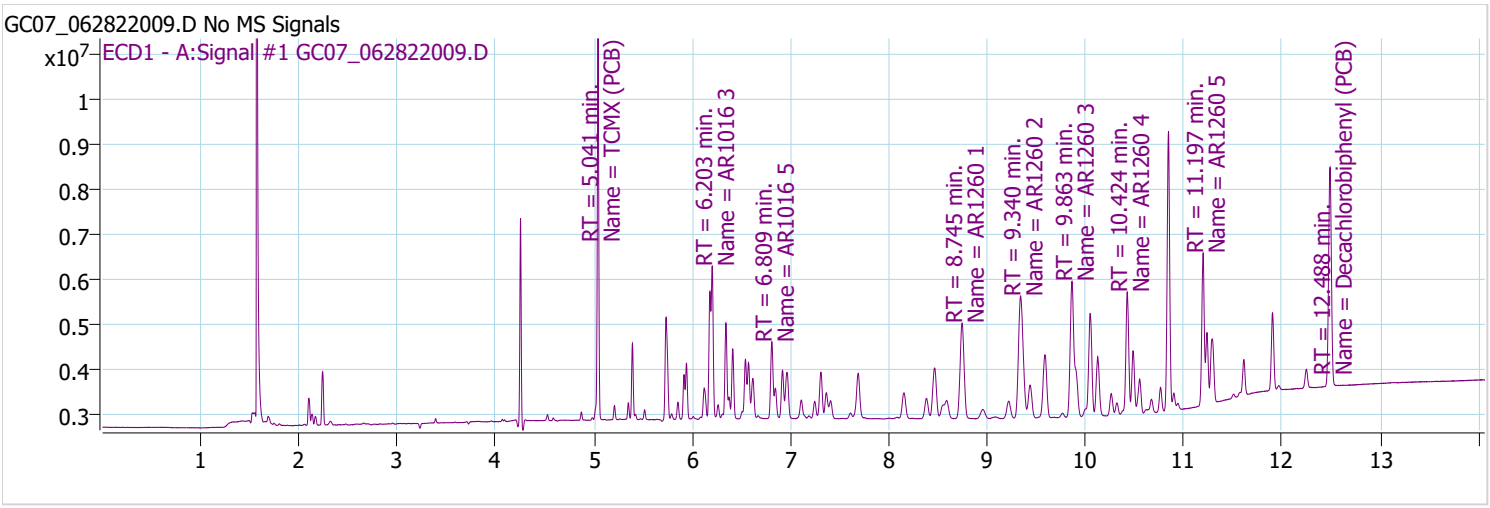


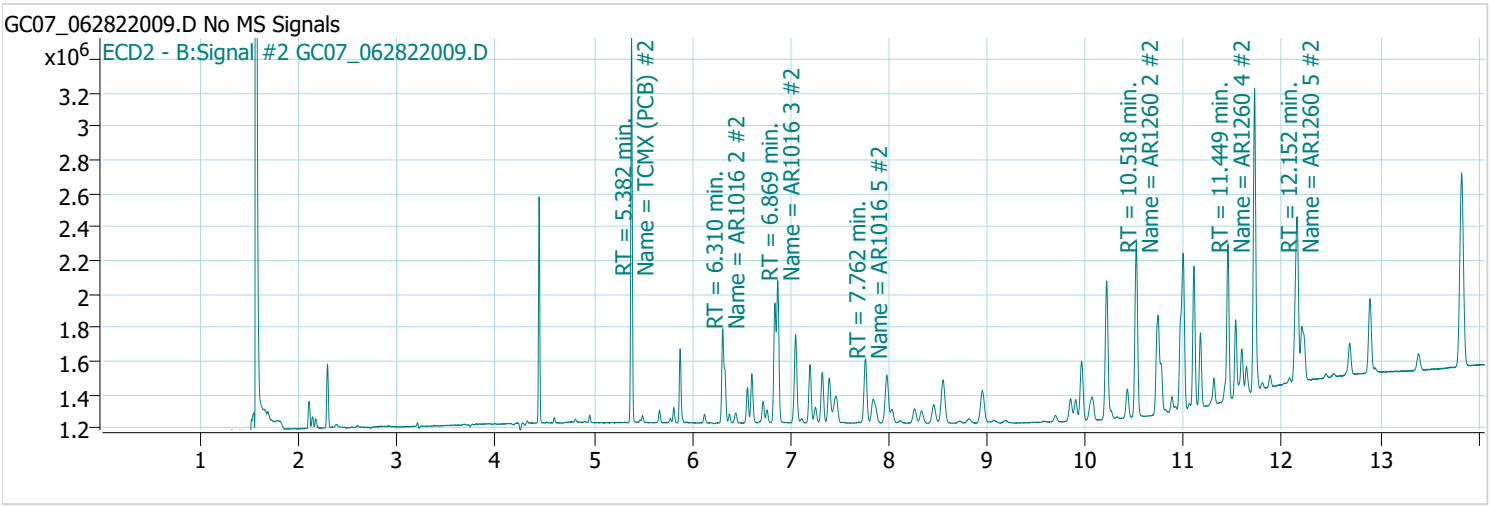
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	36.3027	13.83	0.00	3152930				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062822009.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/28/2022 1:13:07 PM
Sample Name	QC997363, 291960, 1	Instrument	SVOA-GC07
Vial	3	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_2.m	Comment	Wipe/1s-20ml//3580 method
Tune File	ATUNE.U	Tune Date	
Batch Name	062822PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



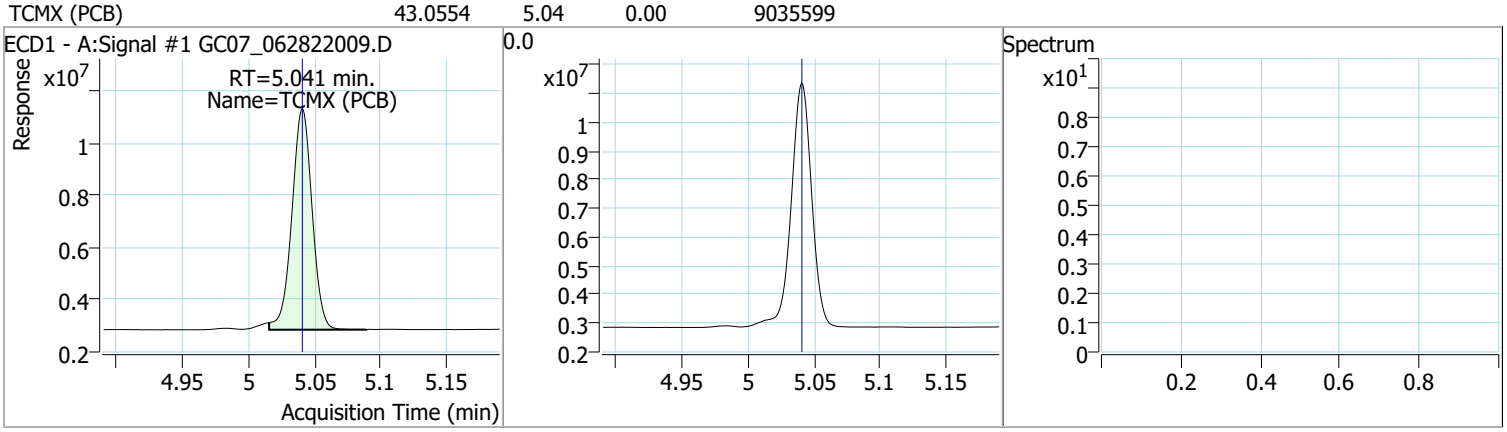


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.253	0.0	4449476.241	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.442	0.0	1222092.350	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.041	0.0	9035599.370	43.0554	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 215.28%		*	
S TCMX (PCB) #2	5.382	0.0	2498680.162	45.0522	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 225.26%		*	
S Decachlorobiphenyl (PCB)	12.488	0.0	9805102.956	39.4487	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 197.24%		*	
S Decachlorobiphenyl (PCB) #2	13.827	0.0	2992007.587	39.7595	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 198.80%		*	
Target Compounds							QValue

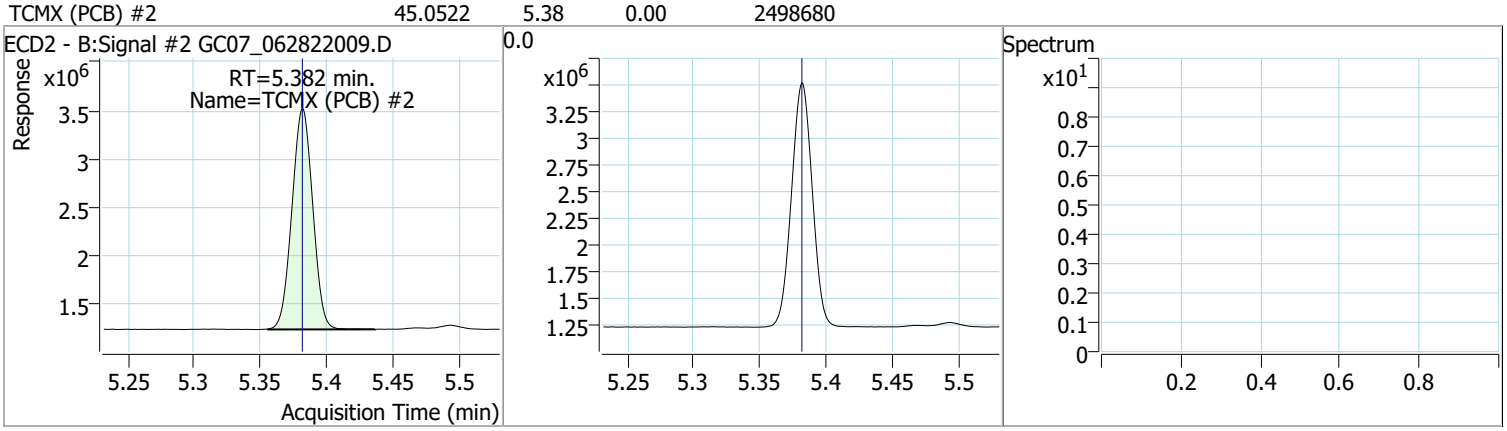
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.391	0.0	1973969.240	462.4326	ng/ml	100
T AR1016 2	5.733	0.0	4050822.776	437.8520	ng/ml	100
T AR1016 1 #2	5.876	0.0	557257.500	452.7943	ng/ml	100
T AR1016 3	6.203	0.0	4858461.739	453.5021	ng/ml	100
T AR1016 2 #2	6.310	0.0	1147889.416	428.3314	ng/ml	100
T AR1016 4	6.342	0.0	3144819.478	408.2069	ng/ml	100
T AR1016 5	6.809	0.0	2914913.189	454.2376	ng/ml	100
T AR1016 3 #2	6.869	0.0	1372946.151	446.6251	ng/ml	100
T AR1016 4 #2	7.051	0.0	987850.941	463.0140	ng/ml	100
T AR1016 5 #2	7.762	0.0	785729.192	440.8707	ng/ml	100
T AR1260 1	8.745	0.0	6045608.075	446.1227	ng/ml	100
T AR1260 2	9.340	0.0	9046023.934	465.0139	ng/ml	100
T AR1260 3	9.863	0.0	9428328.501	478.2681	ng/ml	100
T AR1260 1 #2	10.215	0.0	1705391.699	440.6247	ng/ml	100
T AR1260 4	10.424	0.0	5291483.081	525.0688	ng/ml	100
T AR1260 2 #2	10.518	0.0	1957607.057	455.2535	ng/ml	100
T AR1260 3 #2	10.993	0.0	2454846.417	463.8160	ng/ml	100
T AR1260 5	11.197	0.0	5865572.439	633.9637	ng/ml	100
T AR1260 4 #2	11.449	0.0	1555851.248	523.9377	ng/ml	100
T AR1260 5 #2	12.152	0.0	2292950.445	537.3281	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

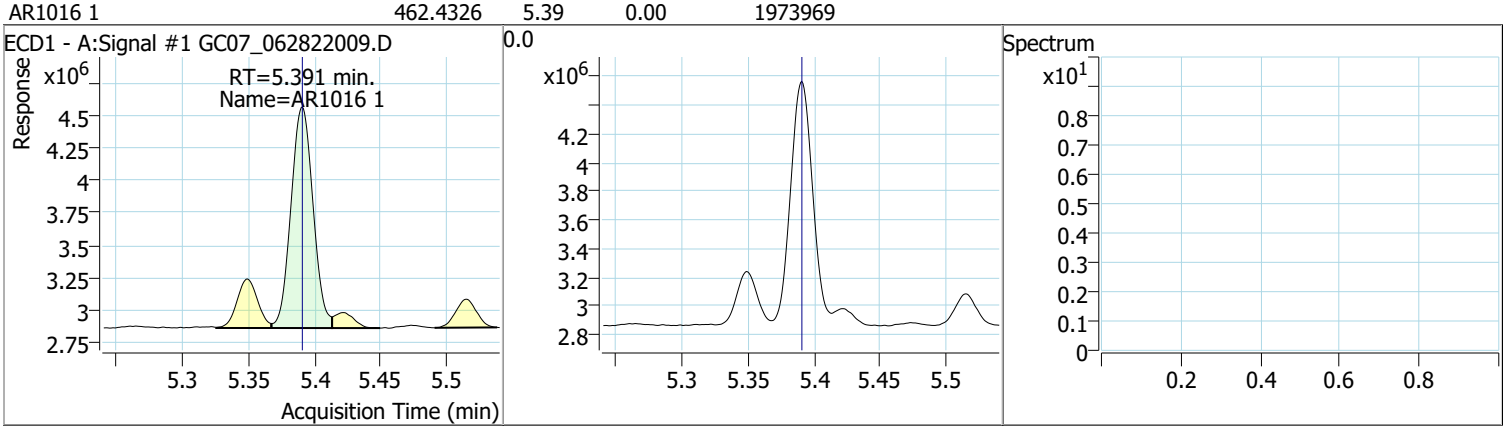
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	43.0554	5.04	0.00	9035599				



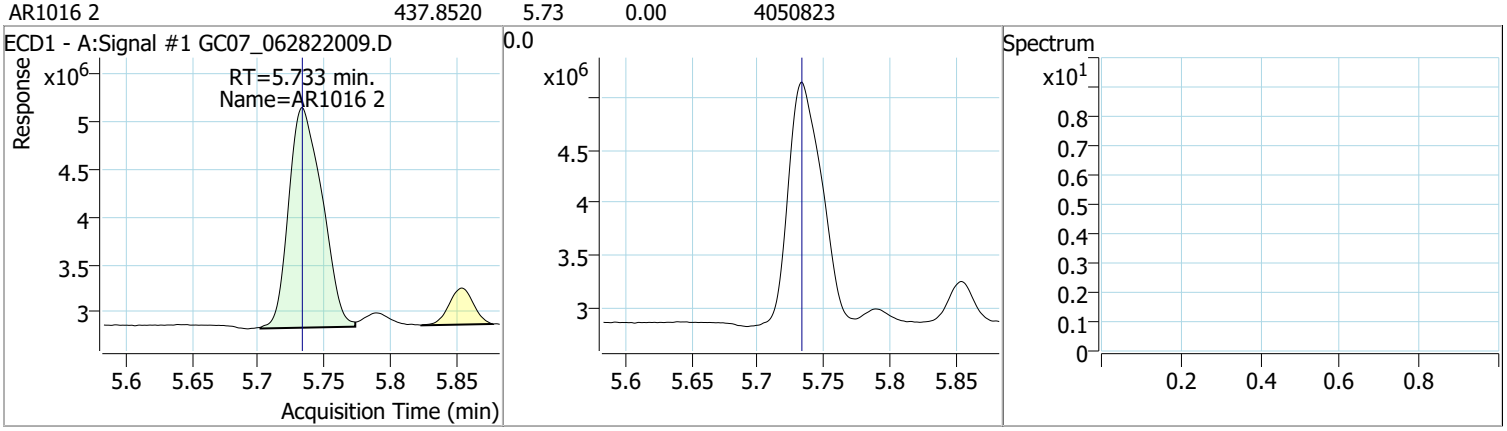
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	45.0522	5.38	0.00	2498680				



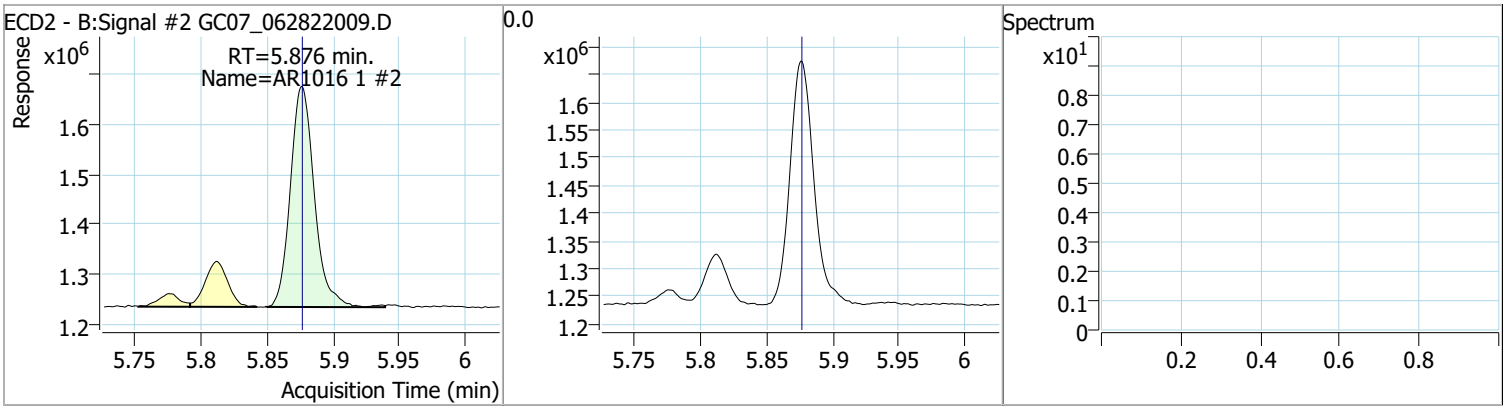
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	462.4326	5.39	0.00	1973969				



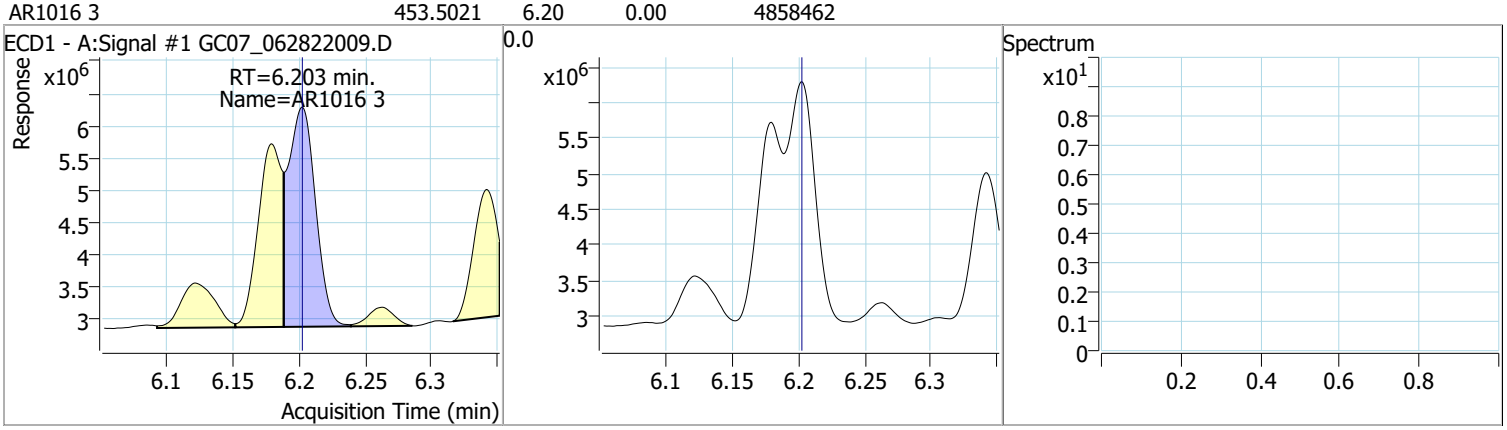
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	437.8520	5.73	0.00	4050823				



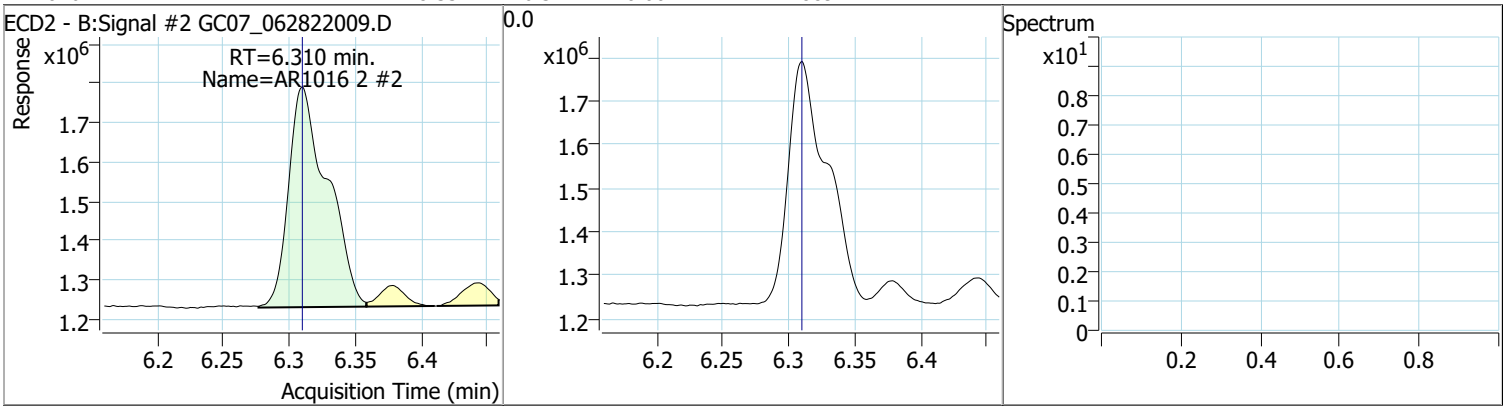
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	452.7943	5.88	0.00	557258				



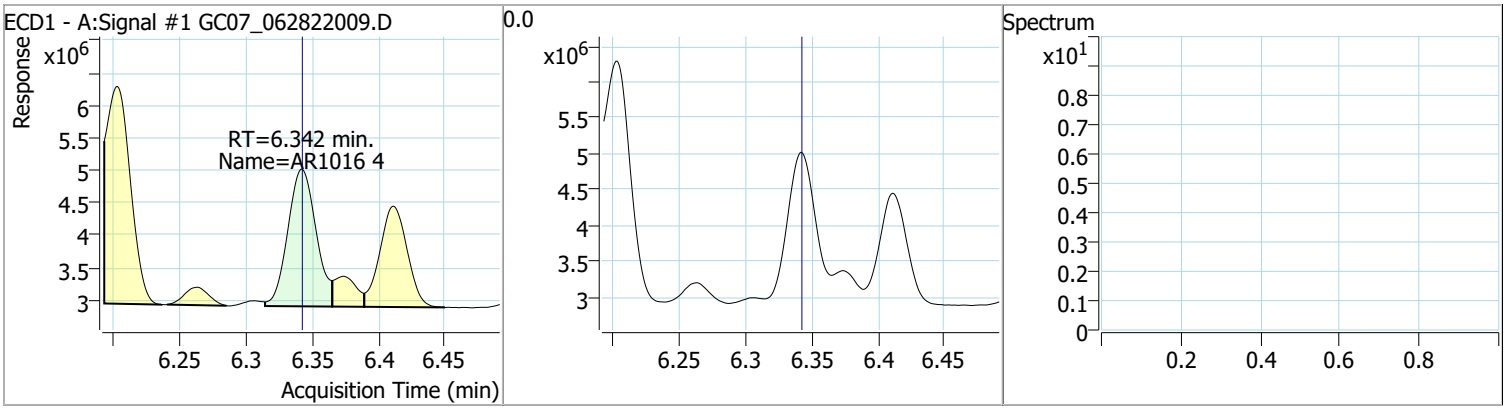
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	453.5021	6.20	0.00	4858462				



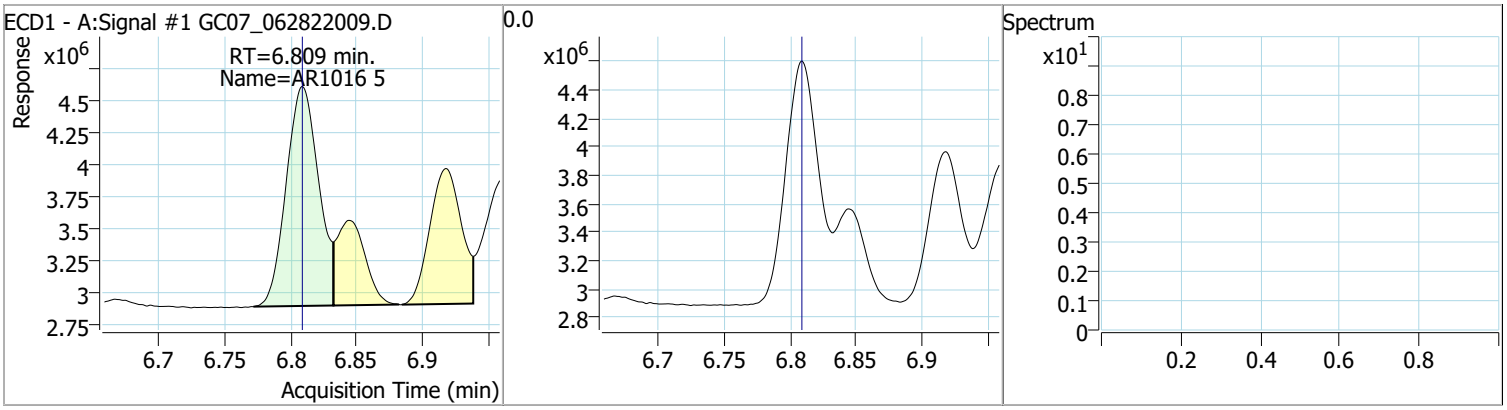
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	428.3314	6.31	0.00	1147889				



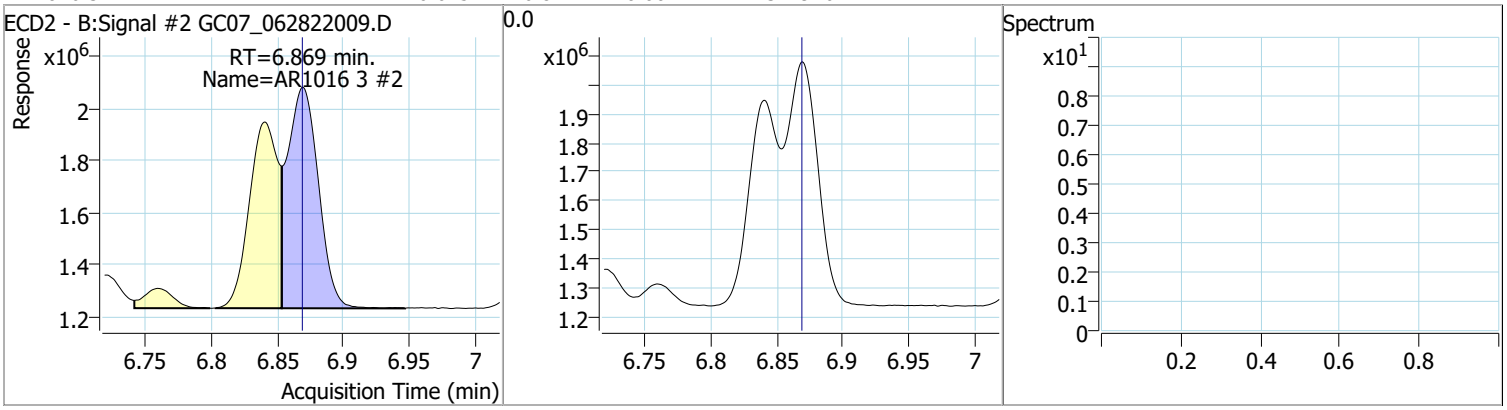
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	408.2069	6.34	0.00	3144819				



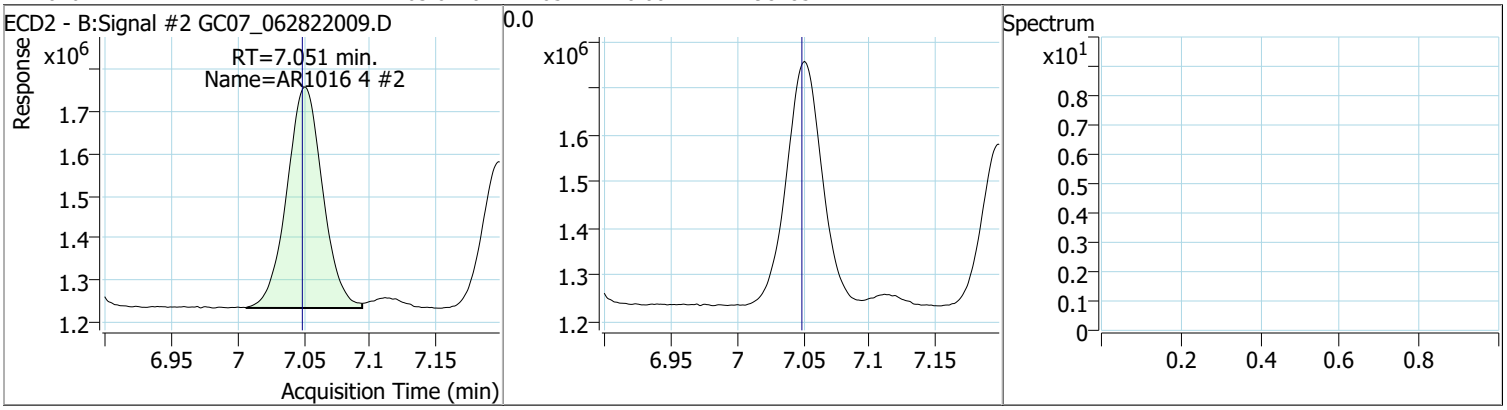
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	454.2376	6.81	0.00	2914913				



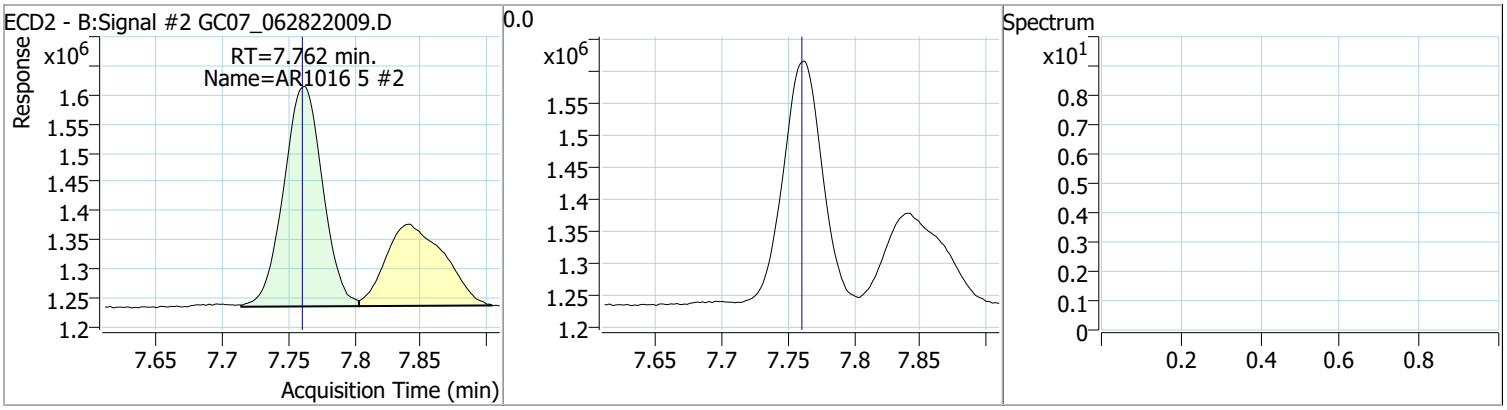
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	446.6251	6.87	0.00	1372946				



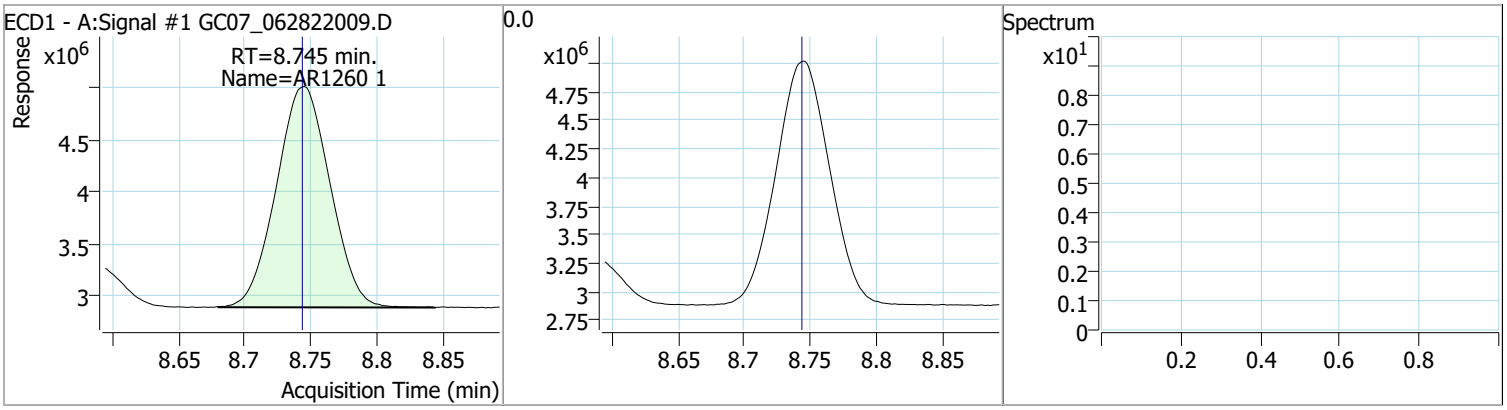
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	463.0140	7.05	0.00	987851				



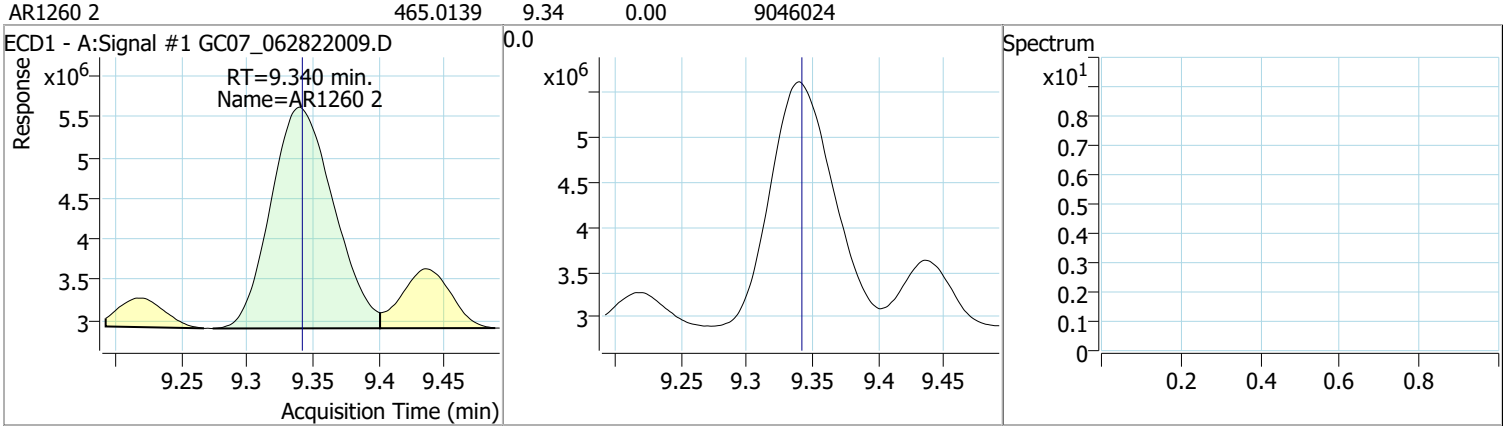
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	440.8707	7.76	0.00	785729				



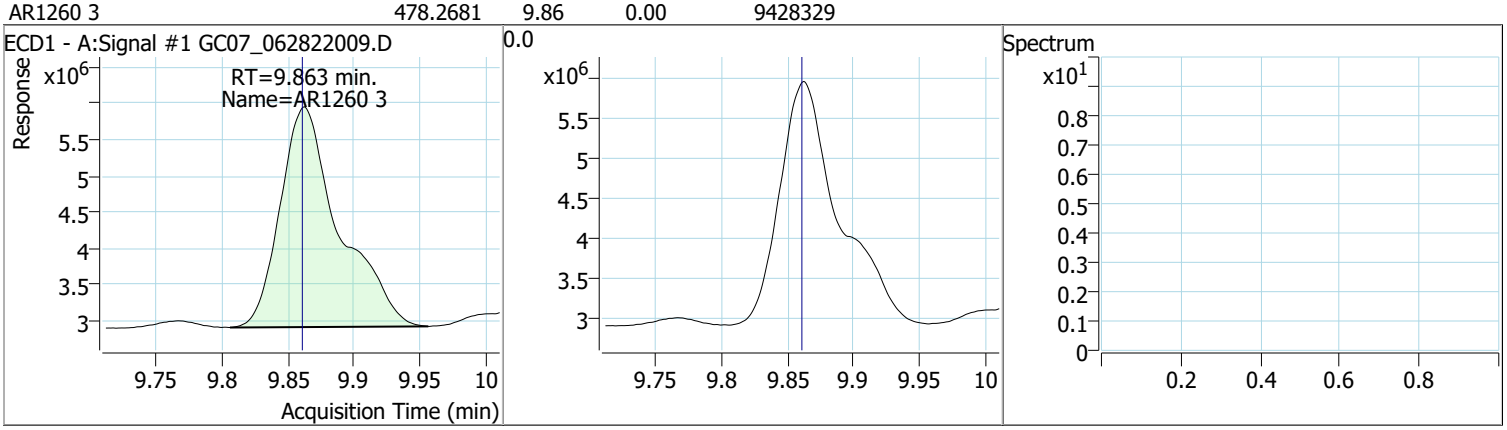
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	446.1227	8.75	0.00	6045608				



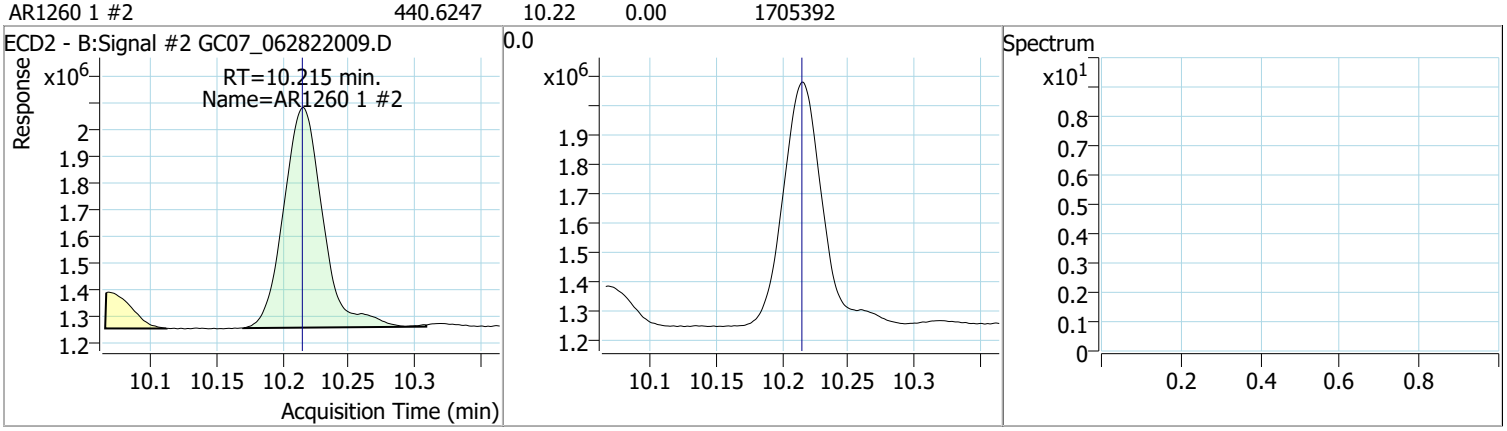
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	465.0139	9.34	0.00	9046024				



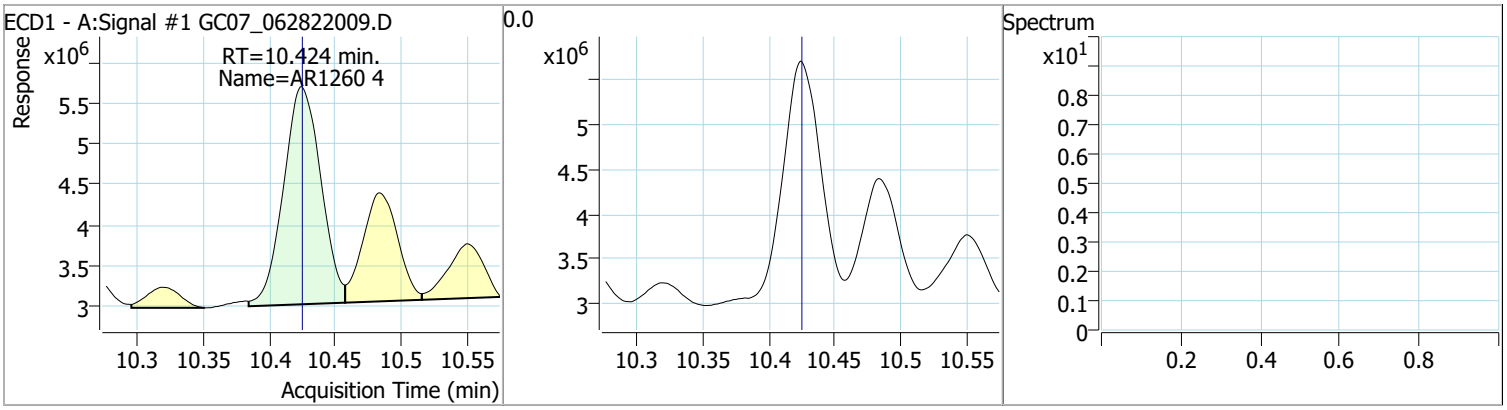
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	478.2681	9.86	0.00	9428329				



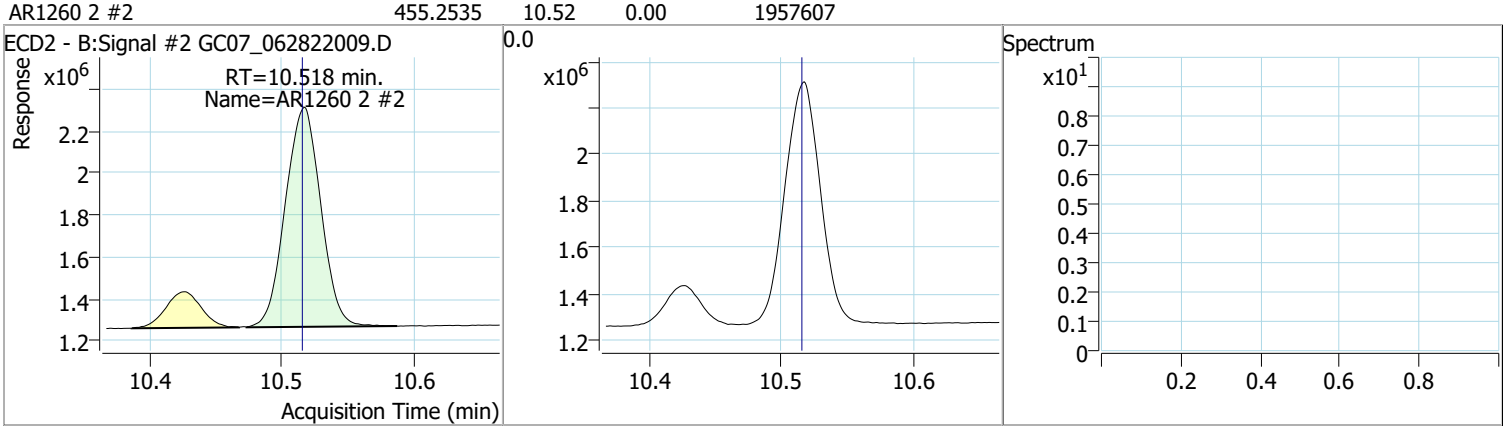
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	440.6247	10.22	0.00	1705392				



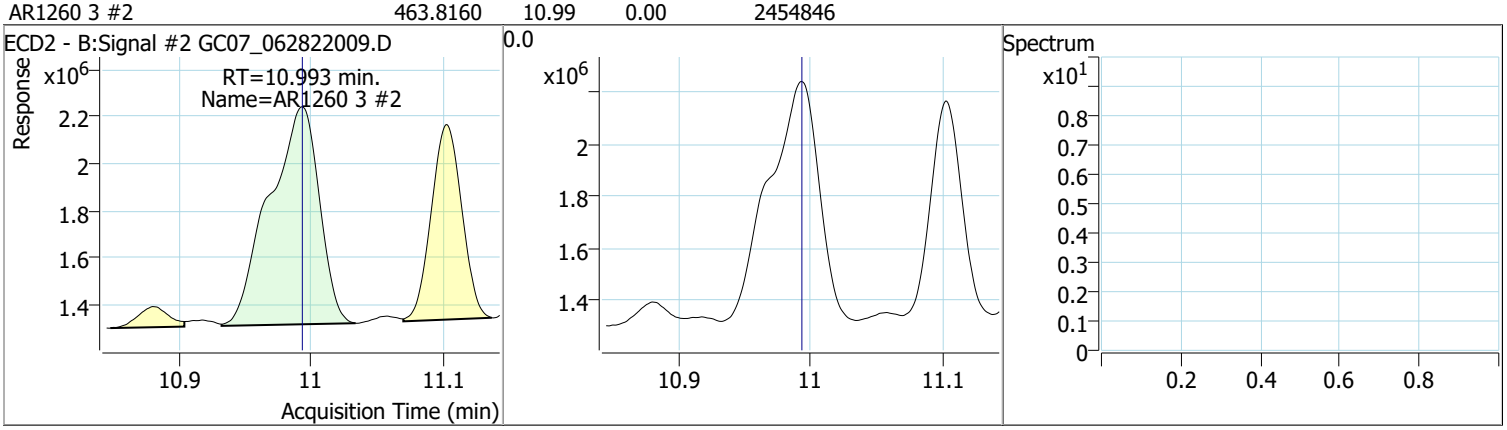
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	525.0688	10.42	0.00	5291483				



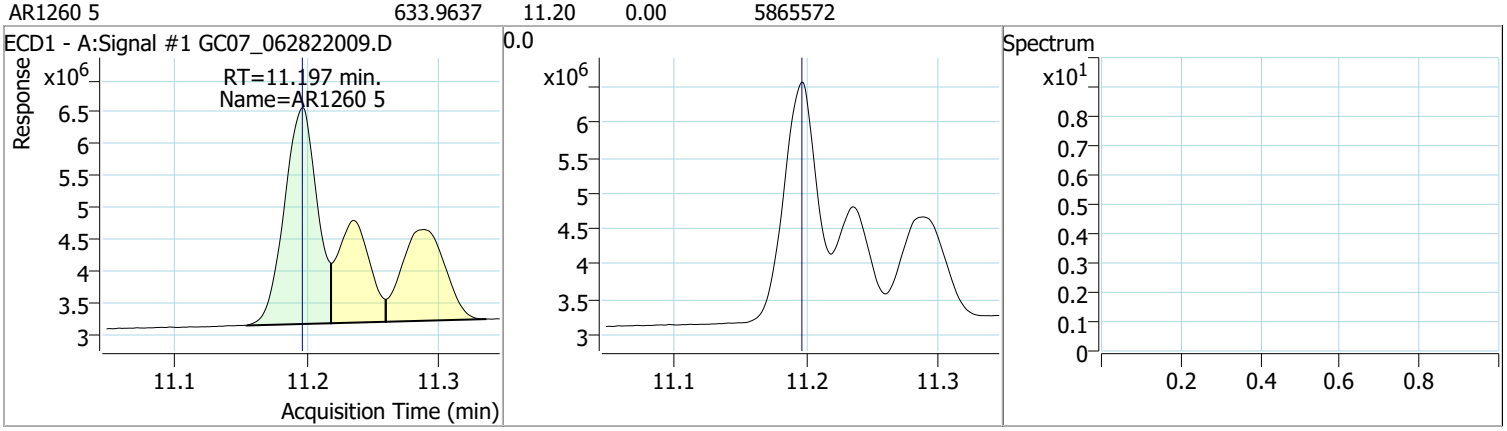
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	455.2535	10.52	0.00	1957607				



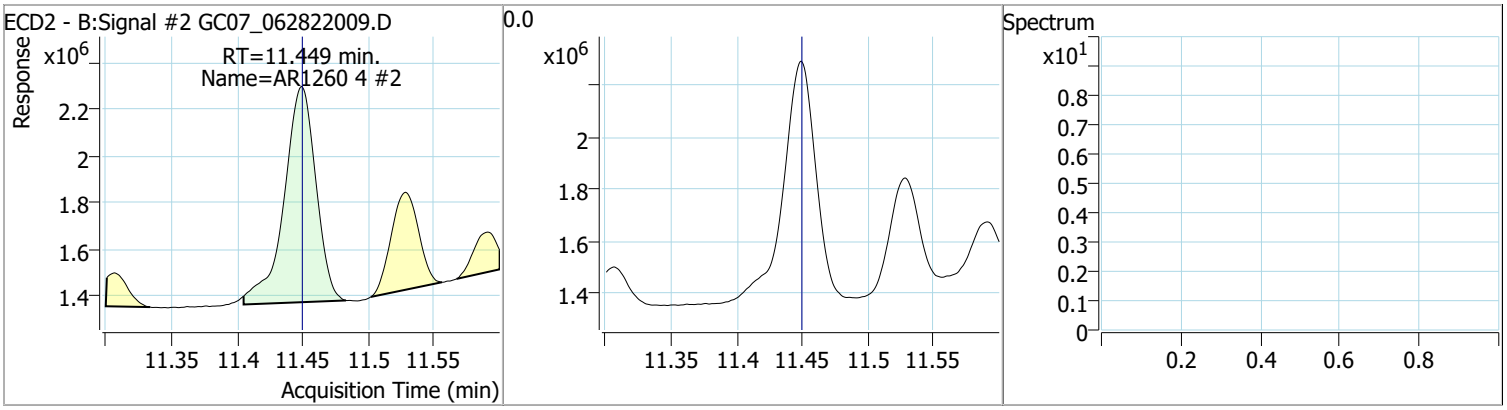
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	463.8160	10.99	0.00	2454846				



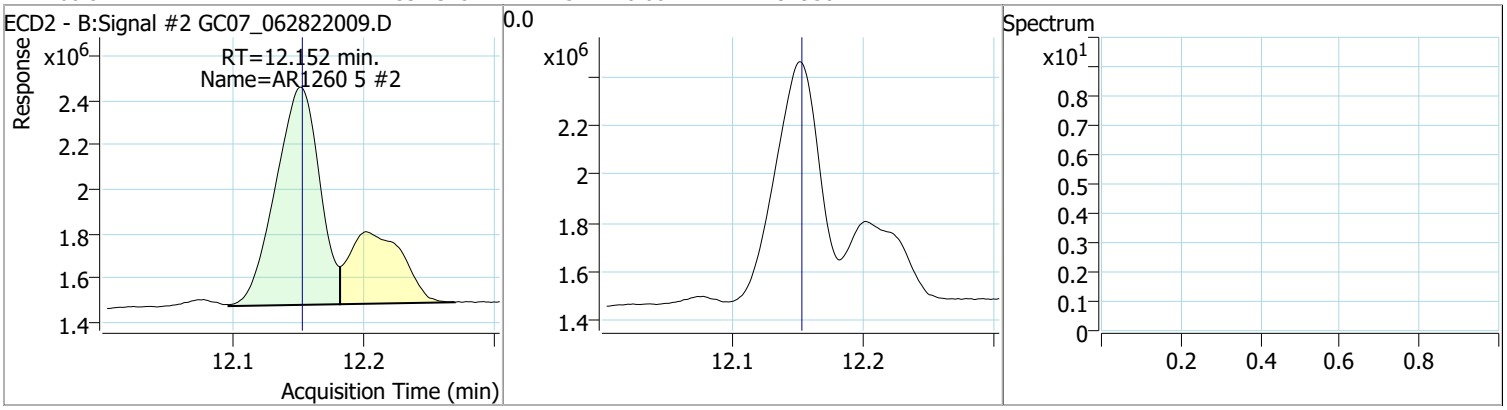
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	633.9637	11.20	0.00	5865572				



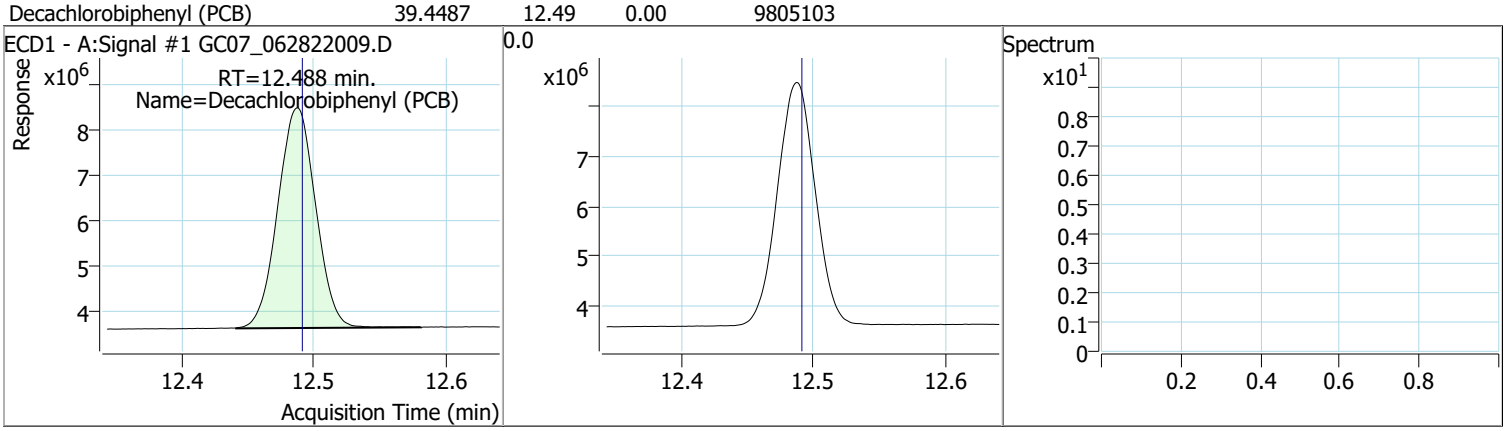
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	523.9377	11.45	0.00	1555851				



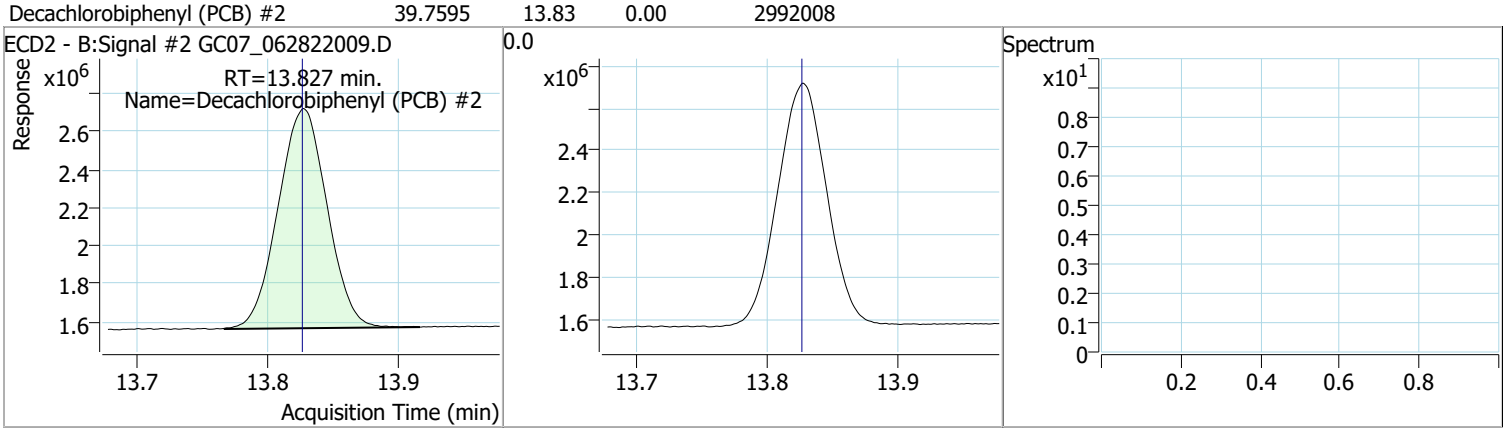
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	537.3281	12.15	0.00	2292950				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	39.4487	12.49	0.00	9805103				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	39.7595	13.83	0.00	2992008				



Initial Calibration Raw Data

ENTHALPY INITIAL CALIBRATION FOR 464785 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_062422_1
Calibration #:	462252739001	Date:	25-JUN-2022 00:39
		X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc07_062422022	462252739022		25-JUN-2022 00:39	S16671 (100X), S16725 (250X)
L2	gc07_062422023	462252739023		25-JUN-2022 00:57	S16671 (40X), S16725 (250X)
L3	gc07_062422024	462252739024		25-JUN-2022 01:14	S16671 (20X), S16725 (250X)
L4	gc07_062422025	462252739025		25-JUN-2022 01:32	S16671 (8X), S16725 (250X)
L5	gc07_062422026	462252739026		25-JUN-2022 01:49	S16671 (4X), S16725 (250X)
L6	gc07_062422027	462252739027		25-JUN-2022 02:07	S16671 (2.66X), S16725 (250X)
L7	gc07_062422028	462252739028		25-JUN-2022 02:24	S16671 (2X), S16725 (250X)
L8	gc07_062422029	462252739029		25-JUN-2022 02:42	S16671 (1.33X), S16725 (250X)
L9	gc07_062422030	462252739030		25-JUN-2022 02:59	S16671, S16725 (250X)

Analyte	Ch	Type	a0	a1	a2	Units	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		52.1446		ug/L	0.0192	12	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		24.0592		ug/L	0.0416	14	9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		20.7771		ug/L	0.0481	12	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		28.8928		ug/L	0.0346	11	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		34.6865		ug/L	0.0288	11	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		16.4257		ug/L	0.0609	12	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		11.4424		ug/L	0.0874	10	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		11.2915		ug/L	0.0886	7	9	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		22.0875		ug/L	0.0453	10	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		24.0599		ug/L	0.0416	7	9	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.89555		pg/uL	1.1166	9	9	.99	20	
TCMX (PCB)	A	AVRG		1.06067		pg/uL	0.9428	8	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		49.6768		ug/L	0.0201	7	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		22.8132		ug/L	0.0438	9	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		19.8883		ug/L	0.0503	9	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		28.6560		ug/L	0.0349	6	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		34.3044		ug/L	0.0292	7	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		15.7963		ug/L	0.0633	8	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		14.2181		ug/L	0.0703	6	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		11.5518		ug/L	0.0866	3	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		20.5890		ug/L	0.0486	5	9	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		14.3273		ug/L	0.0698	4	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.81243		pg/uL	1.2309	10	9	.99	20	
TCMX (PCB)	B	AVRG		1.10236		pg/uL	0.9071	4	9	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

ENTHALPY INITIAL CALIBRATION FOR 464785 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_062422_1
Calibration #:	462252739001	Date:	25-JUN-2022 00:39
		X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0234	0.0215	0.0200	0.0192	0.0192	0.0180	0.0176	0.0174	0.0163
Aroclor-1016 Peak # 2	A	0.0506	0.0484	0.0464	0.0430	0.0395	0.0384	0.0372	0.0366	0.0339
Aroclor-1016 Peak # 3	A	0.0594	0.0542	0.0518	0.0468	0.0454	0.0453	0.0443	0.0447	0.0413
Aroclor-1016 Peak # 4	A	0.0413	0.0385	0.0369	0.0348	0.0332	0.0331	0.0323	0.0317	0.0297
Aroclor-1016 Peak # 5	A	0.0337	0.0322	0.0318	0.0293	0.0277	0.0275	0.0267	0.0261	0.0245
Aroclor-1260 Peak # 1	A	0.0727	0.0690	0.0664	0.0613	0.0580	0.0617	0.0550	0.0540	0.0499
Aroclor-1260 Peak # 2	A	0.1010	0.0978	0.0943	0.0864	0.0838	0.0853	0.0816	0.0810	0.0754
Aroclor-1260 Peak # 3	A	0.0987	0.0952	0.0933	0.0862	0.0848	0.0876	0.0843	0.0855	0.0813
Aroclor-1260 Peak # 4	A	0.0539	0.0502	0.0485	0.0445	0.0431	0.0439	0.0418	0.0418	0.0398
Aroclor-1260 Peak # 5	A	0.0379	0.0402	0.0409	0.0376	0.0404	0.0447	0.0428	0.0450	0.0446
Decachlorobiphenyl (PCB)	A	1.3136	1.2521	1.1395	1.0914	1.0462	1.0936	1.0474	1.0457	1.0202
TCMX (PCB)	A	1.0556	1.0443	1.0018	0.9534	0.8960	0.8931	0.8839	0.9007	0.8564
Aroclor-1016 Peak # 1	B	0.0237	0.0206	0.0205	0.0201	0.0194	0.0196	0.0193	0.0195	0.0184
Aroclor-1016 Peak # 2	B	0.0520	0.0470	0.0451	0.0431	0.0429	0.0424	0.0413	0.0416	0.0391
Aroclor-1016 Peak # 3	B	0.0609	0.0528	0.0500	0.0478	0.0483	0.0487	0.0479	0.0490	0.0470
Aroclor-1016 Peak # 4	B	0.0385	0.0379	0.0349	0.0334	0.0336	0.0344	0.0340	0.0346	0.0328
Aroclor-1016 Peak # 5	B	0.0329	0.0318	0.0294	0.0281	0.0280	0.0286	0.0281	0.0285	0.0271
Aroclor-1260 Peak # 1	B	0.0741	0.0656	0.0651	0.0617	0.0619	0.0631	0.0605	0.0606	0.0572
Aroclor-1260 Peak # 2	B	0.0777	0.0735	0.0724	0.0698	0.0688	0.0709	0.0674	0.0682	0.0642
Aroclor-1260 Peak # 3	B	0.0823	0.0865	0.0833	0.0845	0.0876	0.0917	0.0876	0.0898	0.0859
Aroclor-1260 Peak # 4	B	0.0506	0.0519	0.0474	0.0468	0.0460	0.0516	0.0476	0.0489	0.0462
Aroclor-1260 Peak # 5	B	0.0736	0.0727	0.0678	0.0662	0.0681	0.0716	0.0685	0.0706	0.0691
Decachlorobiphenyl (PCB)	B	1.4473	1.4291	1.1927	1.1850	1.1442	1.2016	1.1565	1.1753	1.1462
TCMX (PCB)	B	0.9875	0.8886	0.8748	0.8877	0.8943	0.8998	0.8927	0.9329	0.9059

ENTHALPY INITIAL CALIBRATION FOR 464785 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_062422_1
Calibration #:	462252739001	Date:	25-JUN-2022 00:39
		X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	**22**	50.000	12	100.00	4	250.00	0	500.00	0	751.88	-6	1000.0	-8	1503.8	-9
Aroclor-1016 Peak # 2	A	20.000	**22**	50.000	16	100.00	12	250.00	3	500.00	-5	751.88	-8	1000.0	-10	1503.8	-12
Aroclor-1016 Peak # 3	A	20.000	**23**	50.000	13	100.00	8	250.00	-3	500.00	-6	751.88	-6	1000.0	-8	1503.8	-7
Aroclor-1016 Peak # 4	A	20.000	19	50.000	11	100.00	7	250.00	1	500.00	-4	751.88	-4	1000.0	-7	1503.8	-8
Aroclor-1016 Peak # 5	A	20.000	17	50.000	12	100.00	10	250.00	2	500.00	-4	751.88	-5	1000.0	-7	1503.8	-10
Aroclor-1260 Peak # 1	A	20.000	19	50.000	13	100.00	9	250.00	1	500.00	-5	751.88	1	1000.0	-10	1503.8	-11
Aroclor-1260 Peak # 2	A	20.000	16	50.000	12	100.00	8	250.00	-1	500.00	-4	751.88	-2	1000.0	-7	1503.8	-7
Aroclor-1260 Peak # 3	A	20.000	11	50.000	8	100.00	5	250.00	-3	500.00	-4	751.88	-1	1000.0	-5	1503.8	-3
Aroclor-1260 Peak # 4	A	20.000	19	50.000	11	100.00	7	250.00	-2	500.00	-5	751.88	-3	1000.0	-8	1503.8	-8
Aroclor-1260 Peak # 5	A	20.000	-9	50.000	-3	100.00	-2	250.00	-9	500.00	-3	751.88	8	1000.0	3	1503.8	8
Decachlorobiphenyl (PCB)	A	0.8000	18	2.0000	12	4.0000	2	10.000	-2	20.000	-6	30.075	-2	40.000	-6	60.150	-6
TCMX (PCB)	A	0.8000	12	2.0000	11	4.0000	6	10.000	1	20.000	-5	30.075	-5	40.000	-6	60.150	-4
Aroclor-1016 Peak # 1	B	20.000	18	50.000	2	100.00	2	250.00	0	500.00	-3	751.88	-3	1000.0	-4	1503.8	-3
Aroclor-1016 Peak # 2	B	20.000	19	50.000	7	100.00	3	250.00	-2	500.00	-2	751.88	-3	1000.0	-6	1503.8	-5
Aroclor-1016 Peak # 3	B	20.000	**21**	50.000	5	100.00	-1	250.00	-5	500.00	-4	751.88	-3	1000.0	-5	1503.8	-2
Aroclor-1016 Peak # 4	B	20.000	10	50.000	9	100.00	0	250.00	-4	500.00	-4	751.88	-1	1000.0	-2	1503.8	-1
Aroclor-1016 Peak # 5	B	20.000	13	50.000	9	100.00	1	250.00	-4	500.00	-4	751.88	-2	1000.0	-4	1503.8	-2
Aroclor-1260 Peak # 1	B	20.000	17	50.000	4	100.00	3	250.00	-3	500.00	-2	751.88	0	1000.0	-4	1503.8	-4
Aroclor-1260 Peak # 2	B	20.000	10	50.000	5	100.00	3	250.00	-1	500.00	-2	751.88	1	1000.0	-4	1503.8	-3
Aroclor-1260 Peak # 3	B	20.000	-5	50.000	0	100.00	-4	250.00	-2	500.00	1	751.88	6	1000.0	1	1503.8	4
Aroclor-1260 Peak # 4	B	20.000	4	50.000	7	100.00	-2	250.00	-4	500.00	-5	751.88	6	1000.0	-2	1503.8	1
Aroclor-1260 Peak # 5	B	20.000	5	50.000	4	100.00	-3	250.00	-5	500.00	-2	751.88	3	1000.0	-2	1503.8	1
Decachlorobiphenyl (PCB)	B	0.8000	18	2.0000	16	4.0000	-3	10.000	-4	20.000	-7	30.075	-2	40.000	-6	60.150	-5
TCMX (PCB)	B	0.8000	9	2.0000	-2	4.0000	-4	10.000	-2	20.000	-1	30.075	-1	40.000	-2	60.150	3

ENTHALPY INITIAL CALIBRATION FOR 464785 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_062422_1
Calibration #:	462252739001	Date:	25-JUN-2022 00:39
		X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-15
Aroclor-1016 Peak # 2	A	2000.0	-18
Aroclor-1016 Peak # 3	A	2000.0	-14
Aroclor-1016 Peak # 4	A	2000.0	-14
Aroclor-1016 Peak # 5	A	2000.0	-15
Aroclor-1260 Peak # 1	A	2000.0	-18
Aroclor-1260 Peak # 2	A	2000.0	-14
Aroclor-1260 Peak # 3	A	2000.0	-8
Aroclor-1260 Peak # 4	A	2000.0	-12
Aroclor-1260 Peak # 5	A	2000.0	7
Decachlorobiphenyl (PCB)	A	80.000	-9
TCMX (PCB)	A	80.000	-9
Aroclor-1016 Peak # 1	B	2000.0	-8
Aroclor-1016 Peak # 2	B	2000.0	-11
Aroclor-1016 Peak # 3	B	2000.0	-6
Aroclor-1016 Peak # 4	B	2000.0	-6
Aroclor-1016 Peak # 5	B	2000.0	-7
Aroclor-1260 Peak # 1	B	2000.0	-10
Aroclor-1260 Peak # 2	B	2000.0	-9
Aroclor-1260 Peak # 3	B	2000.0	-1
Aroclor-1260 Peak # 4	B	2000.0	-5
Aroclor-1260 Peak # 5	B	2000.0	-1
Decachlorobiphenyl (PCB)	B	80.000	-7
TCMX (PCB)	B	80.000	0

TRN 06/25/22 : Manually integrated for coeluting peak and automatic draw baseline on both/one channel and on multiple levels

Analyst: TRN 06/25/22

Reviewer: LW 06/27/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 464785 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07	Name:	PCB_062422_1
Calnum:	462252739001	Cal Date:	25-JUN-2022

- ICV 462252739032 (gc07_062422032 25-JUN-2022) stds: S16736

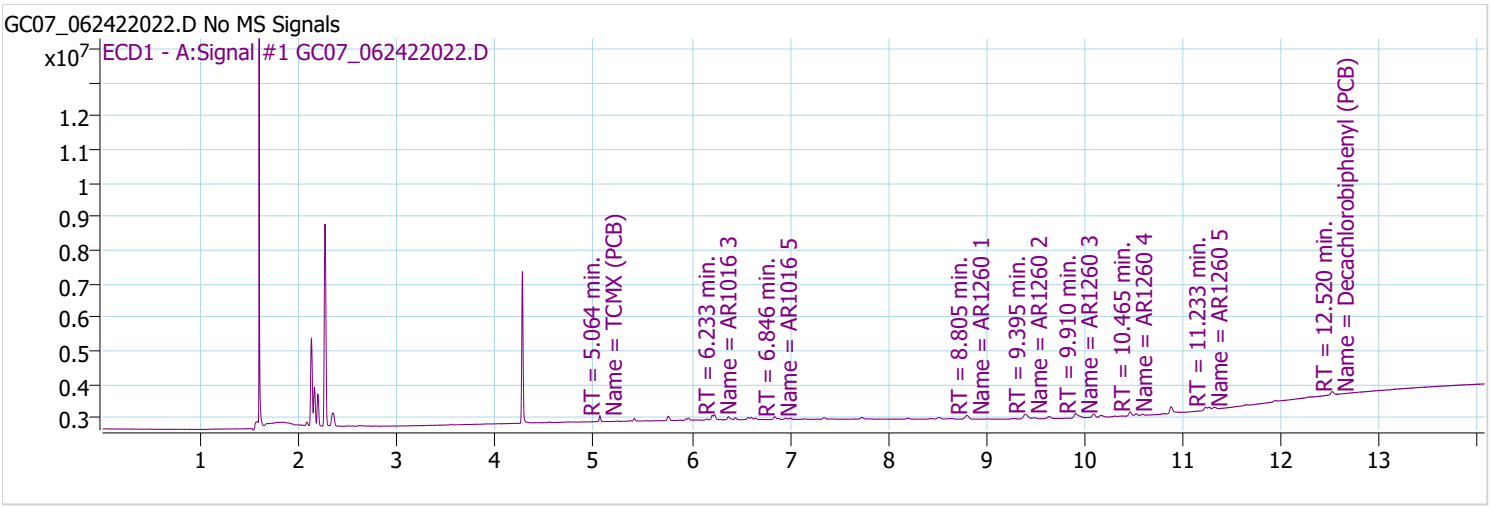
Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	518.1	ug/L	4	15	
Aroclor-1260	A	500.0	539.6	ug/L	8	15	
Aroclor-1016	B	500.0	525.9	ug/L	5	15	
Aroclor-1260	B	500.0	563.1	ug/L	13	15	

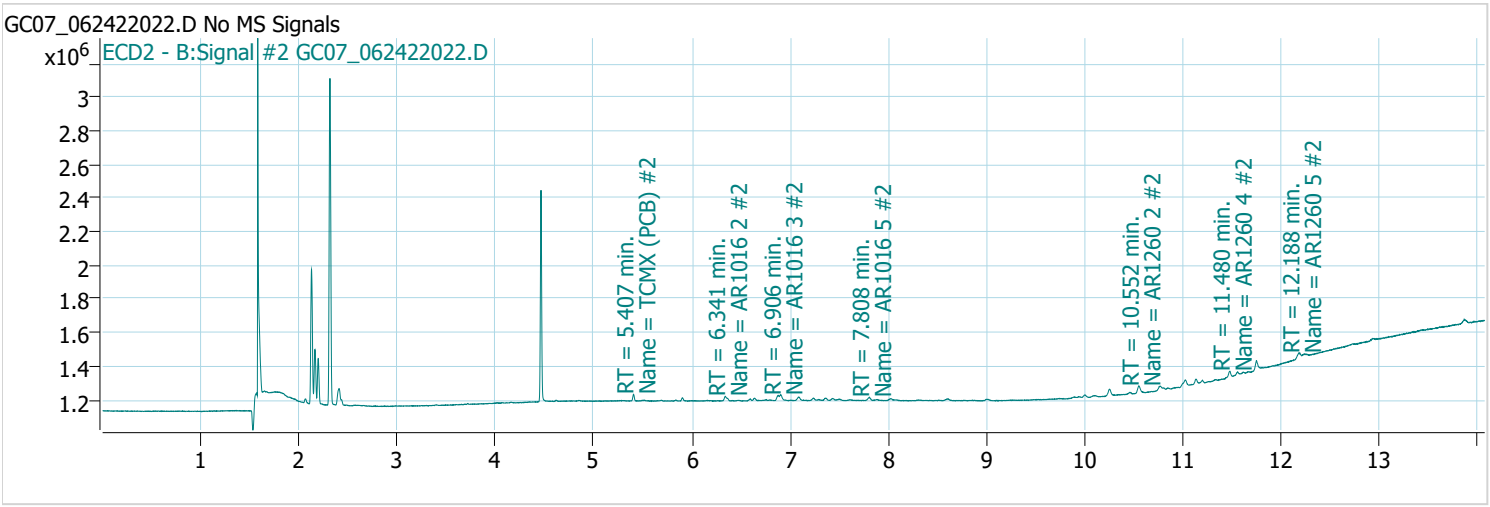
-

Analyst: TRN 06/25/22 **Reviewer:** LW 06/27/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_062422022.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 12:39:35 AM
Sample Name	ICAL, S16726, 100	Instrument	SVOA-GC07
Vial	11	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	20 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



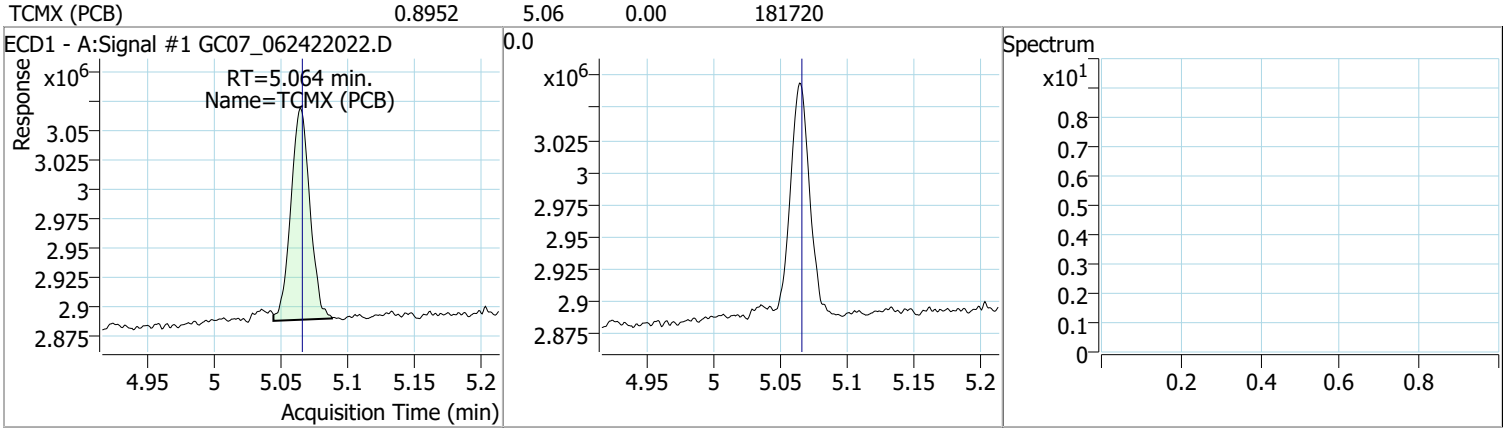


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.276	0.0	4303770.897	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.465	0.0	1146854.232	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.064	0.0	181719.749	0.8952	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.48%		*	
S TCMX (PCB) #2	5.407	0.0	45302.652	0.8704	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.35%		*	
S Decachlorobiphenyl (PCB)	12.520	0.0	226135.319	0.9406	ng/ml	m	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.70%		*	
S Decachlorobiphenyl (PCB) #2	13.865	0.0	66391.652	0.9401	ng/ml		-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.70%		*	
Target Compounds							**QValue**
T AR1016 1	5.415	0.0	100860.719	24.4281	ng/ml	m	100
T AR1016 2	5.760	0.0	217745.698	24.3329	ng/ml		100
T AR1016 1 #2	5.904	0.0	27171.139	23.5260	ng/ml	m	100

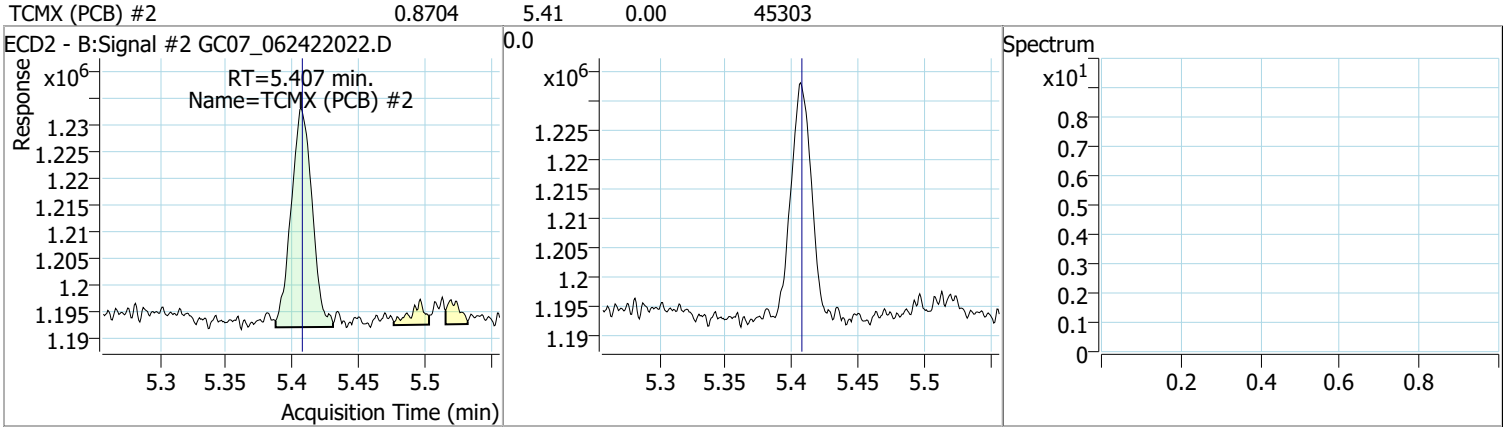
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 3	6.233	0.0	255522.787	24.6587	ng/ml		100
T AR1016 2 #2	6.341	0.0	59680.736	23.7307	ng/ml		100
T AR1016 4	6.373	0.0	177597.647	23.8332	ng/ml	m	100
T AR1016 5	6.846	0.0	144985.805	23.3584	ng/ml	m	100
T AR1016 3 #2	6.906	0.0	69844.980	24.2114	ng/ml		100
T AR1016 4 #2	7.088	0.0	44096.916	22.0245	ng/ml		100
T AR1016 5 #2	7.808	0.0	37691.872	22.5363	ng/ml		100
T AR1260 1	8.805	0.0	312835.640	23.8666	ng/ml		100
T AR1260 2	9.395	0.0	434770.610	23.1062	ng/ml		100
T AR1260 3	9.910	0.0	424711.927	22.2736	ng/ml		100
T AR1260 1 #2	10.254	0.0	84960.268	23.3914	ng/ml		100
T AR1260 4	10.465	0.0	231834.804	23.7836	ng/ml		100
T AR1260 2 #2	10.552	0.0	89110.774	22.0828	ng/ml		100
T AR1260 3 #2	11.026	0.0	94341.595	18.9942	ng/ml		100
T AR1260 5	11.233	0.0	163315.289	18.2491	ng/ml		100
T AR1260 4 #2	11.480	0.0	58077.973	20.8410	ng/ml		100
T AR1260 5 #2	12.188	0.0	84370.198	21.0683	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

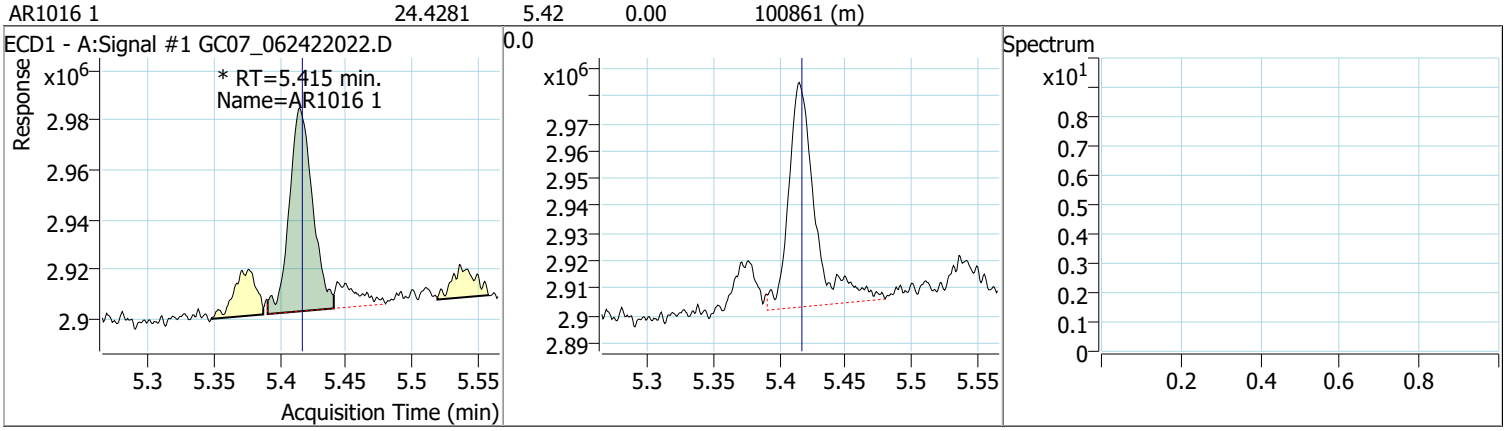
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	0.8952	5.06	0.00	181720				



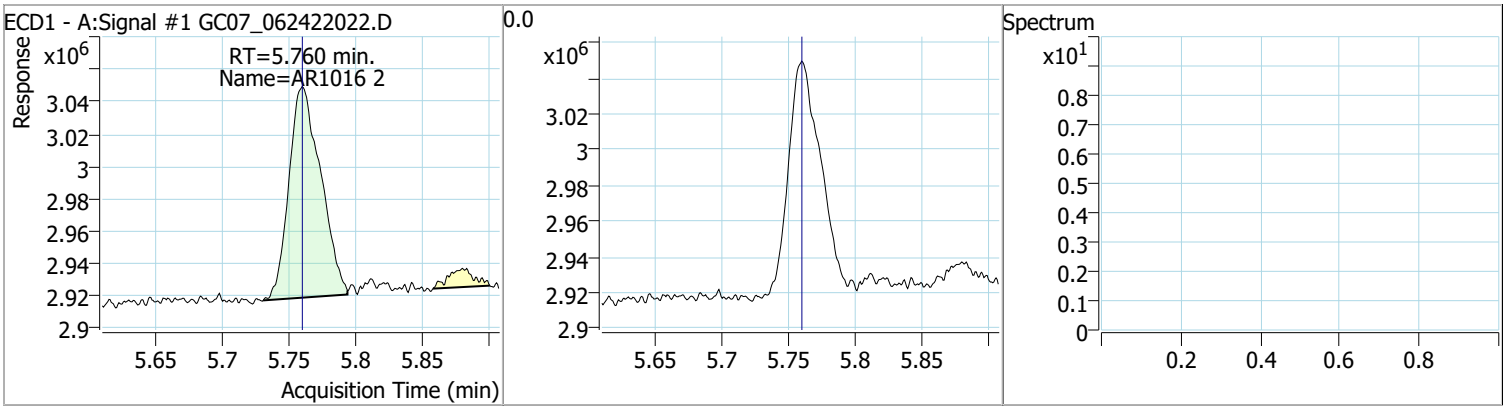
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	0.8704	5.41	0.00	45303				



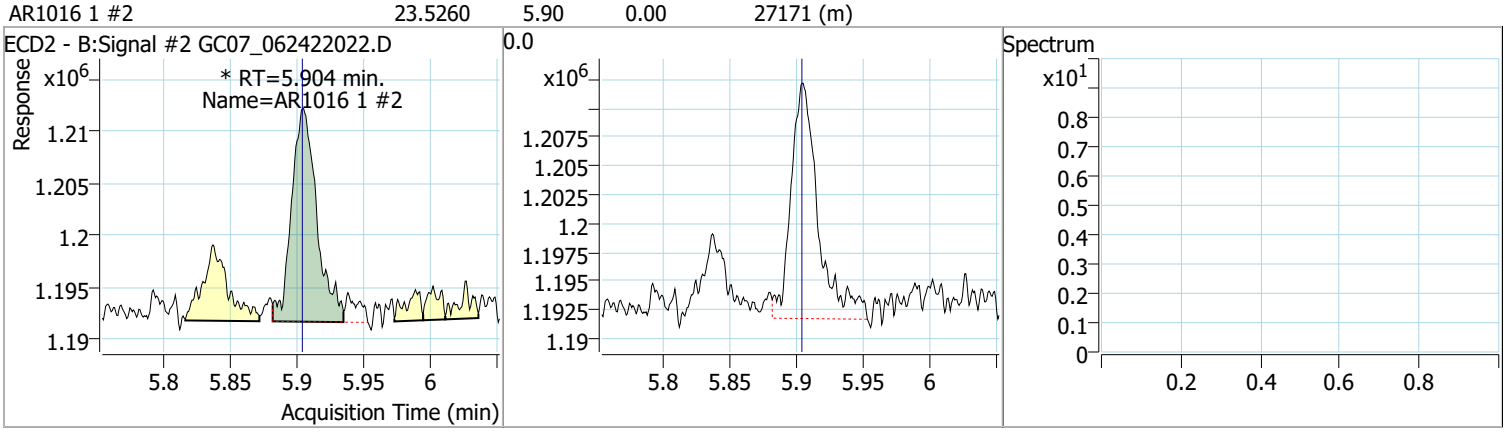
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	24.4281	5.42	0.00	100861 (m)				



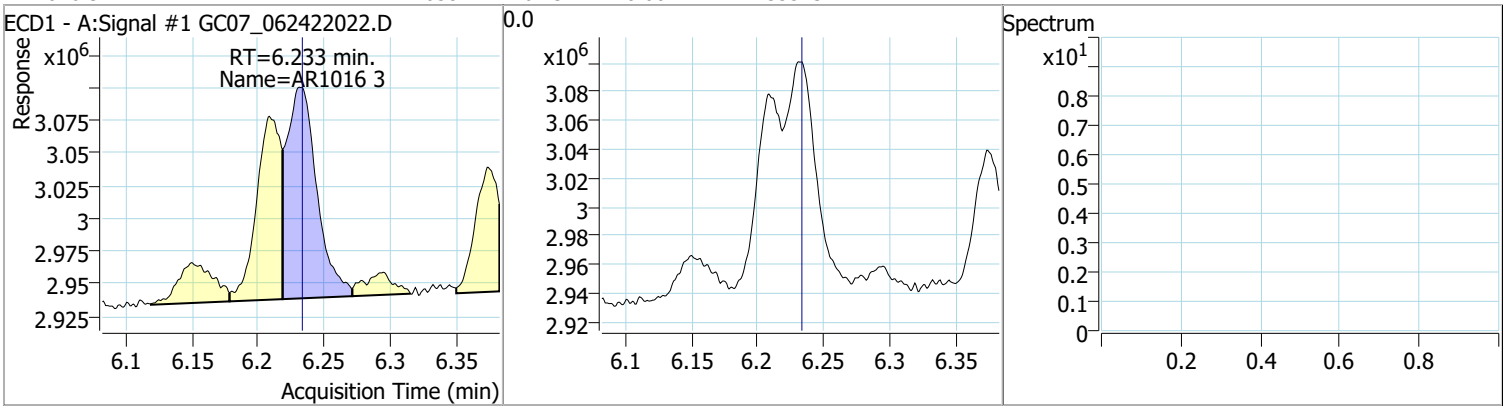
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	24.3329	5.76	0.00	217746				



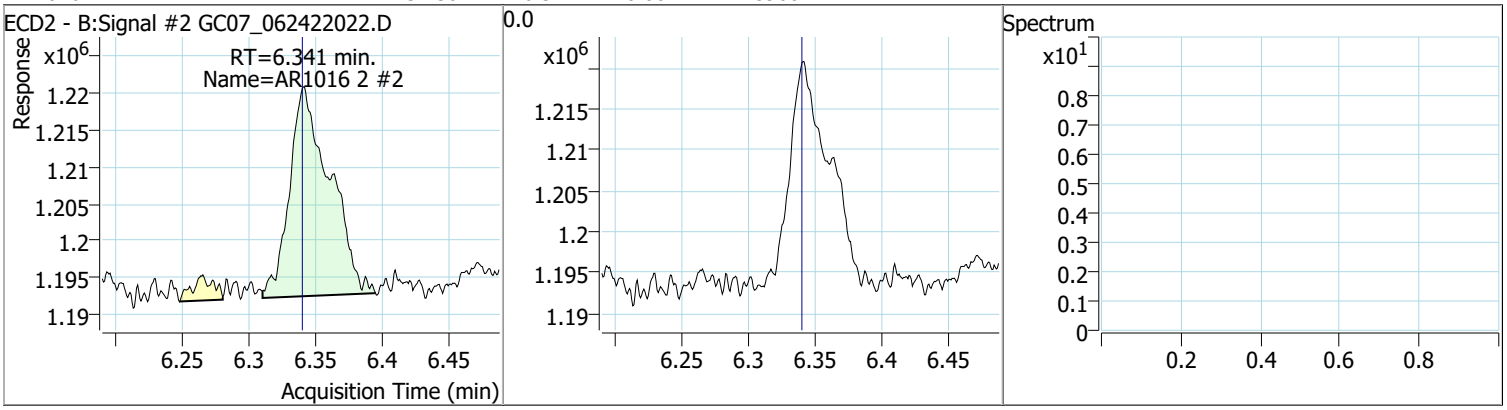
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	23.5260	5.90	0.00	27171 (m)				



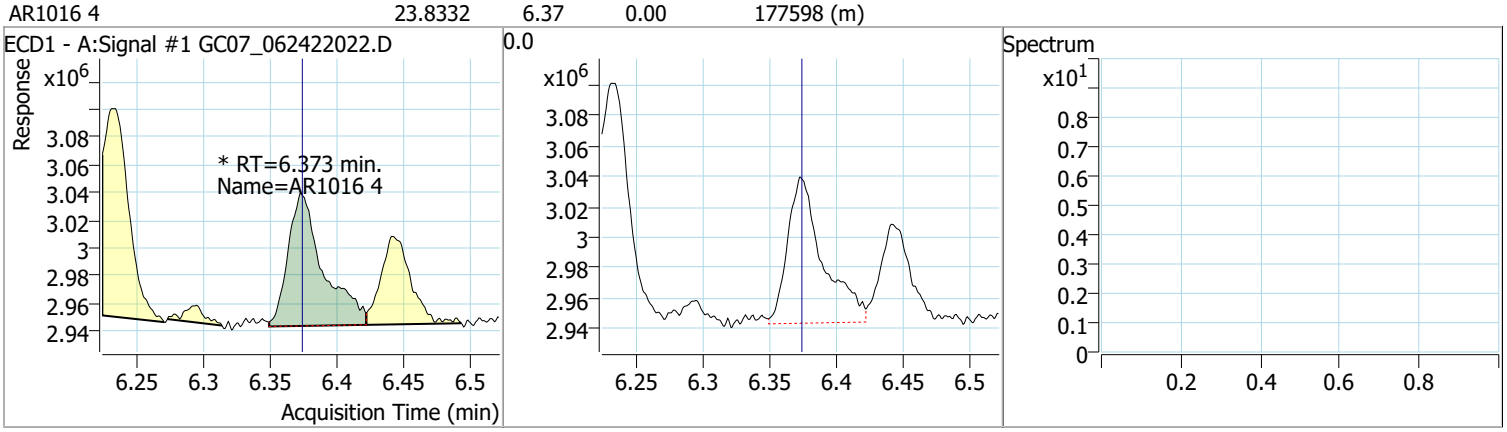
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	24.6587	6.23	0.00	255523				



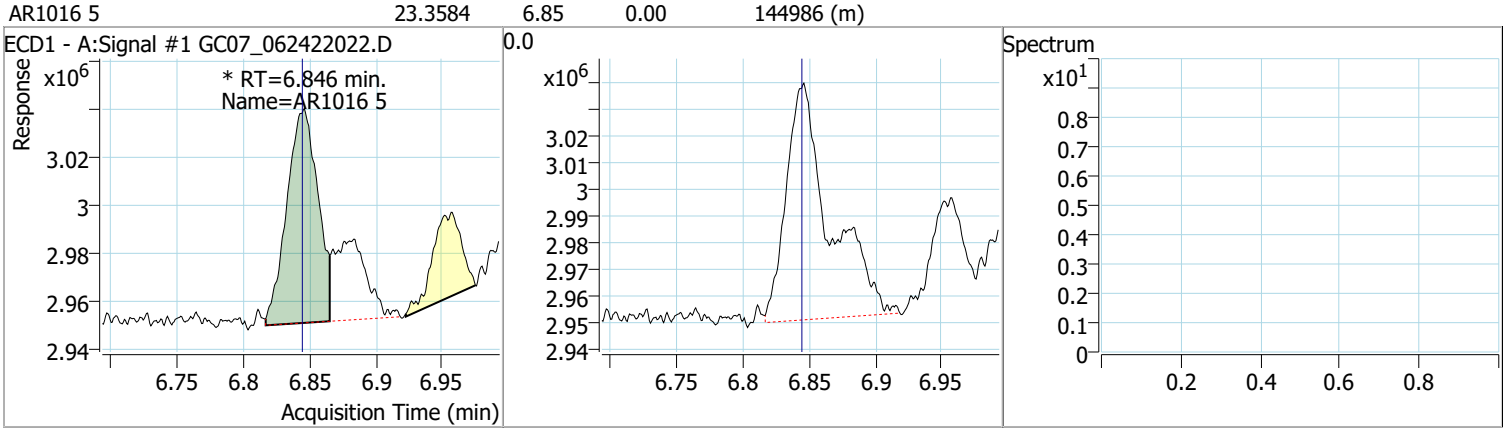
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	23.7307	6.34	0.00	59681				



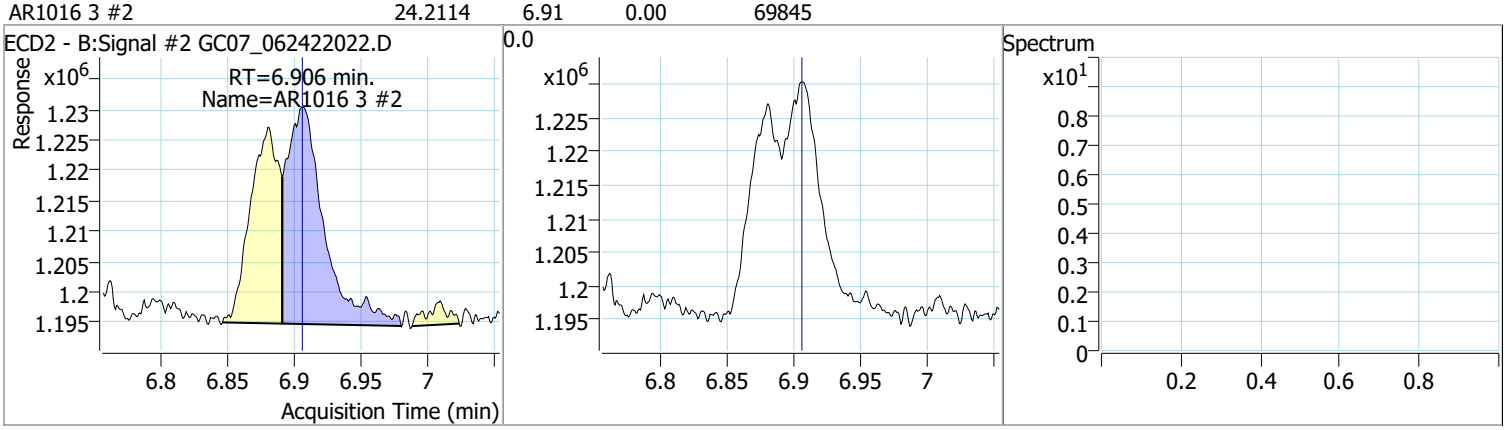
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	23.8332	6.37	0.00	177598 (m)				



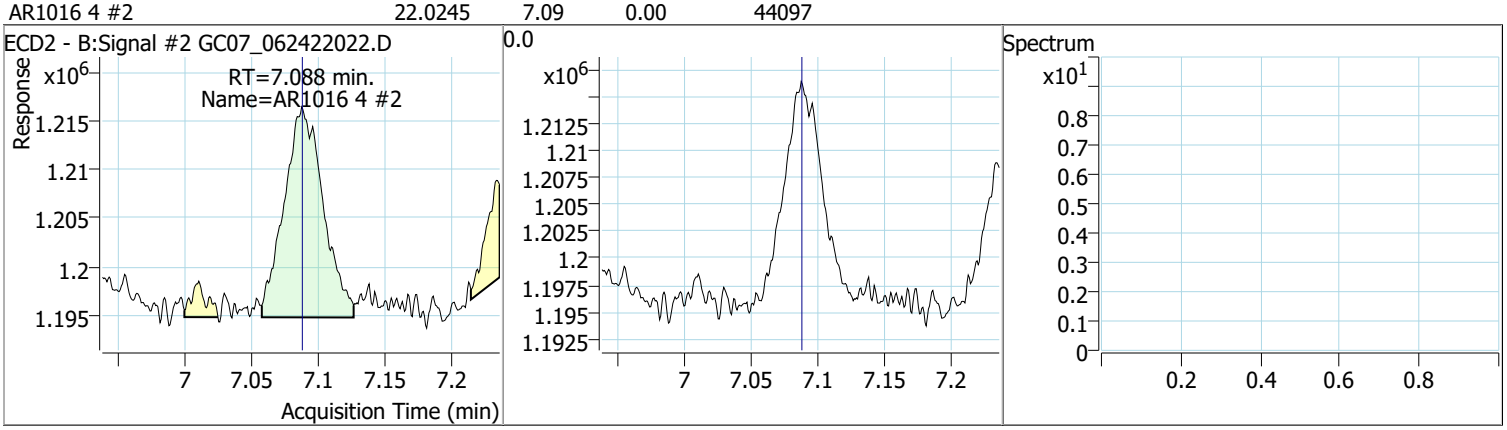
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	23.3584	6.85	0.00	144986 (m)				



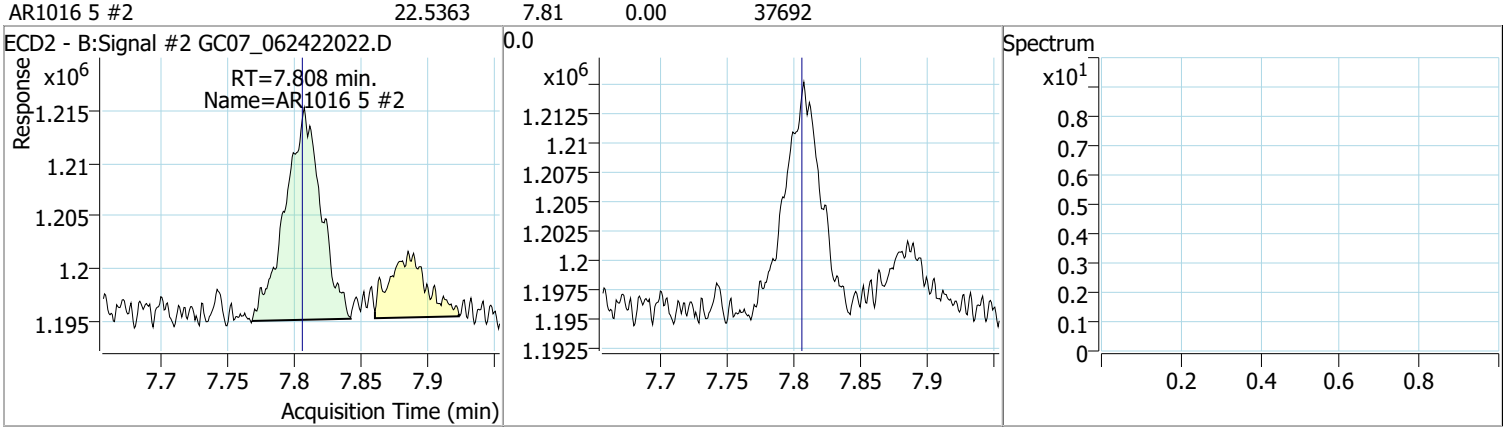
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	24.2114	6.91	0.00	69845				



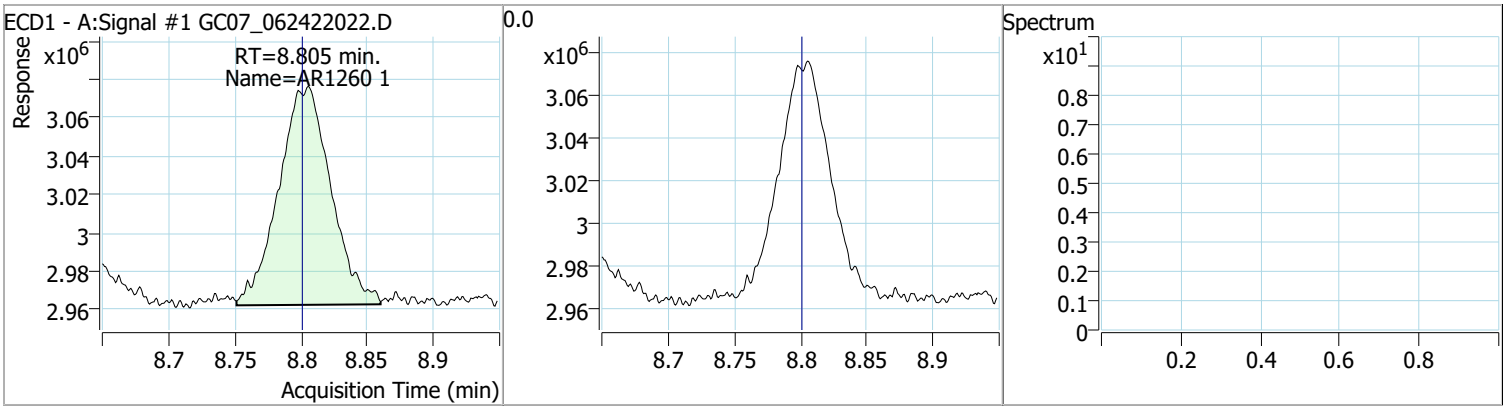
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	22.0245	7.09	0.00	44097				



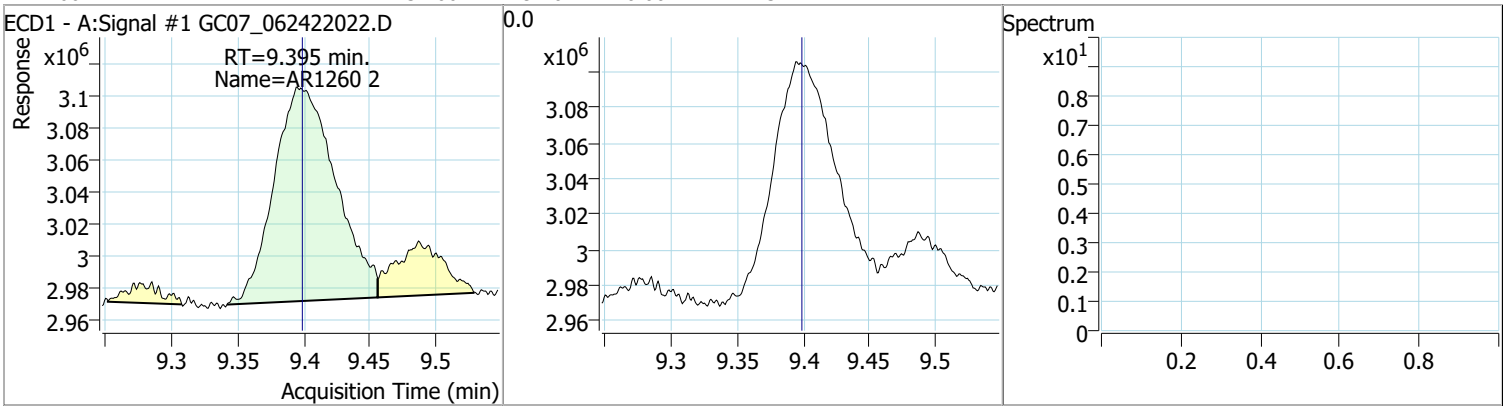
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	22.5363	7.81	0.00	37692				



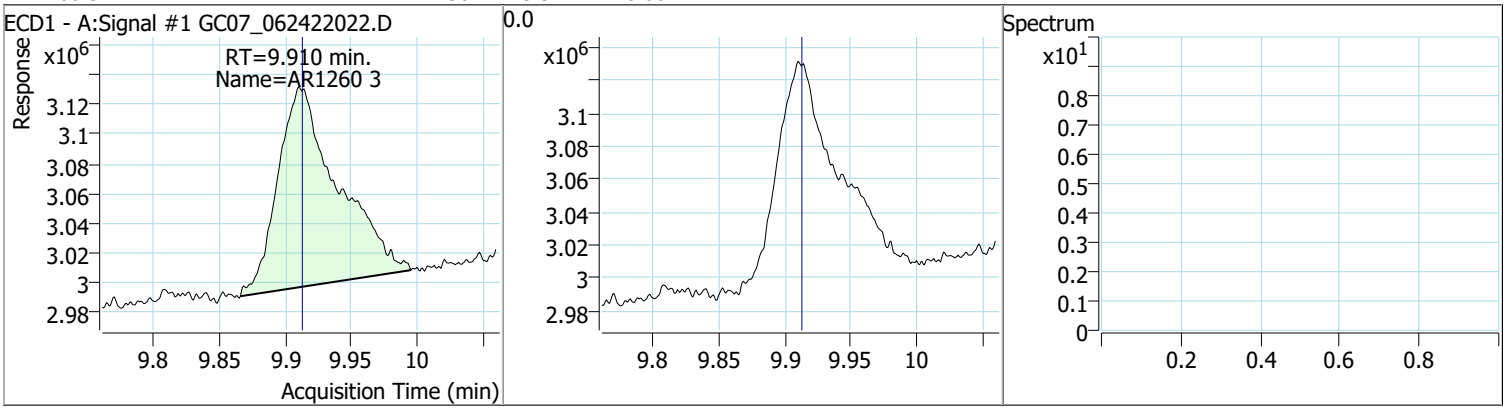
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	23.8666	8.81	0.01	312836				



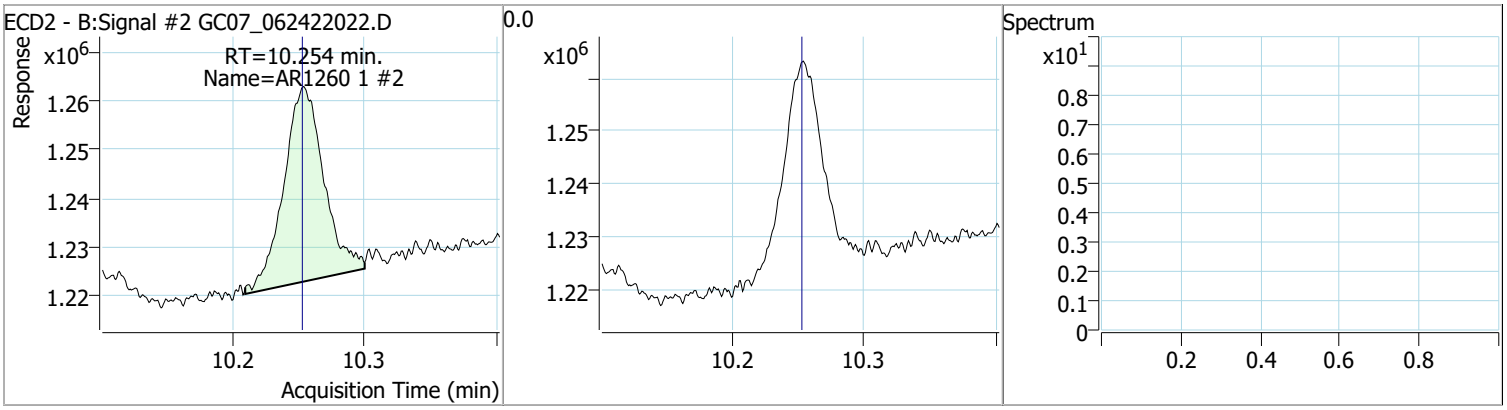
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	23.1062	9.40	0.00	434771				



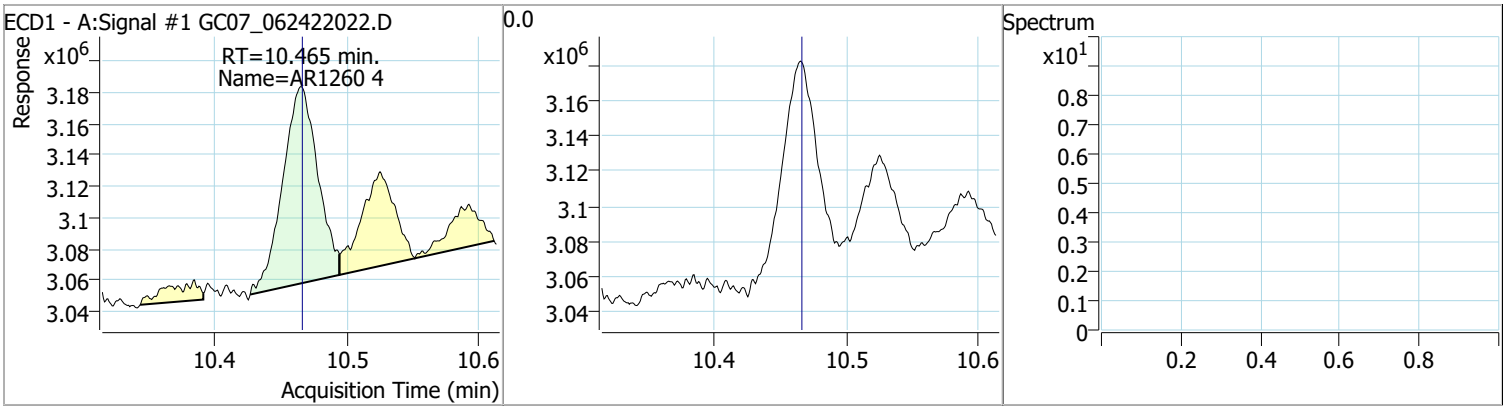
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	22.2736	9.91	0.00	424712				



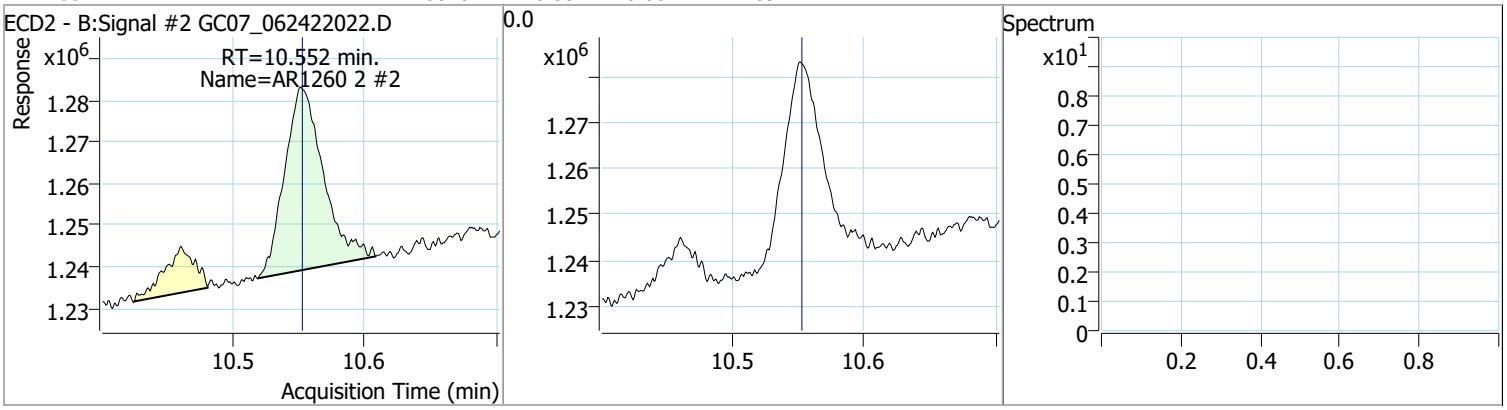
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	23.3914	10.25	0.00	84960				



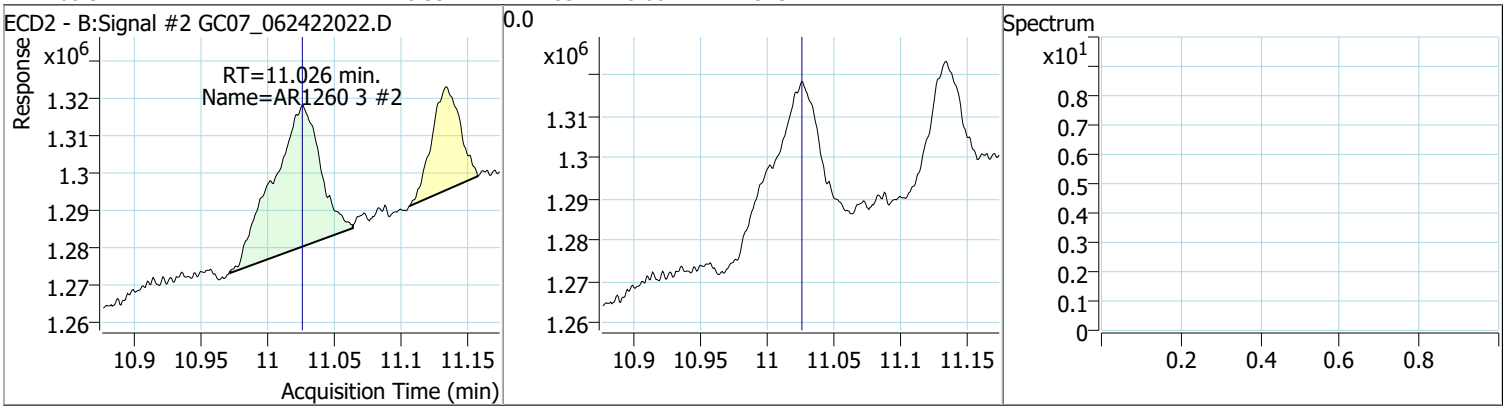
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	23.7836	10.47	0.00	231835				



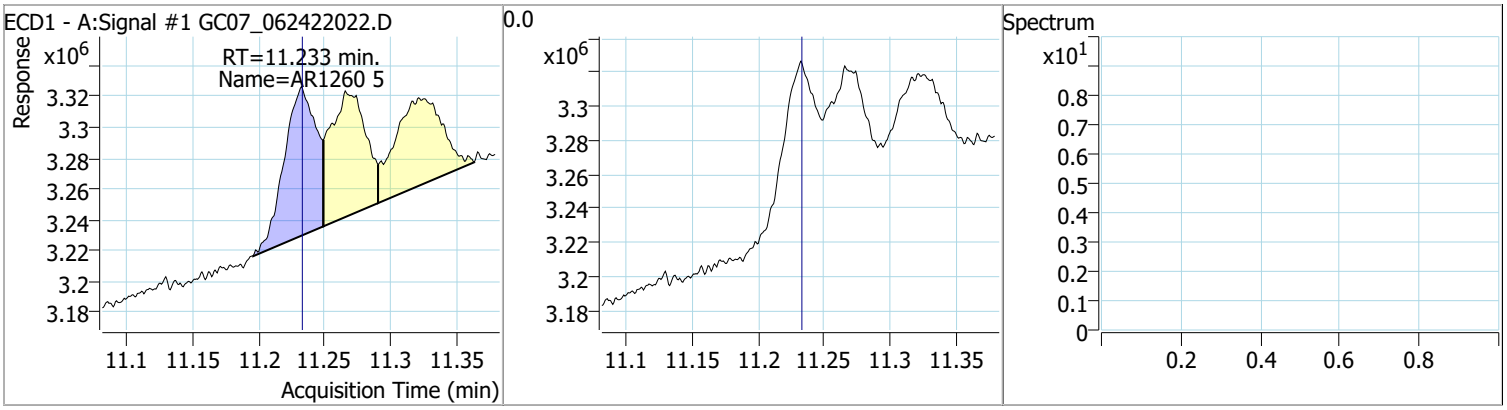
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	22.0828	10.55	0.00	89111				



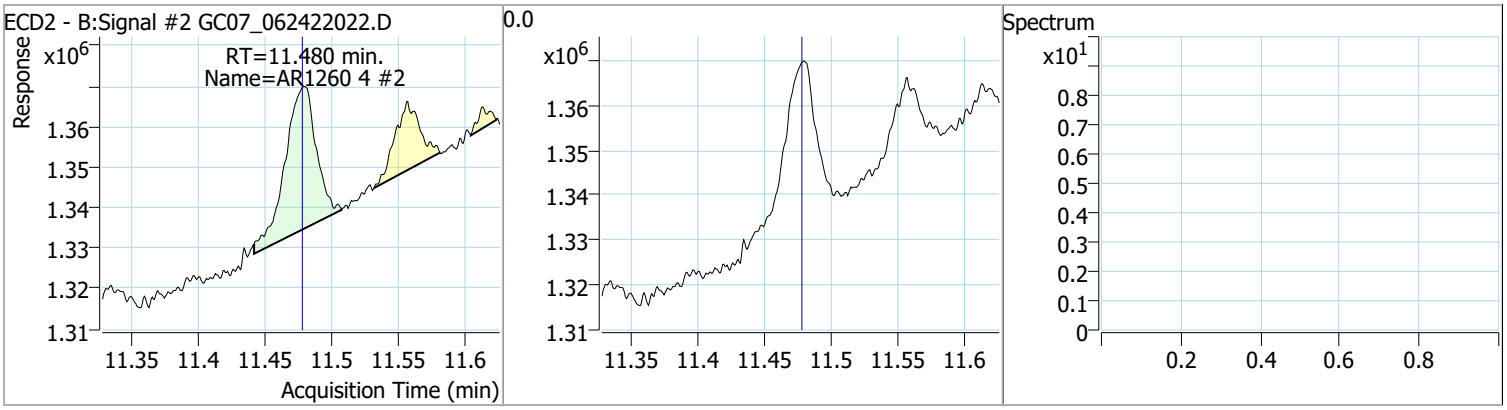
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	18.9942	11.03	0.00	94342				



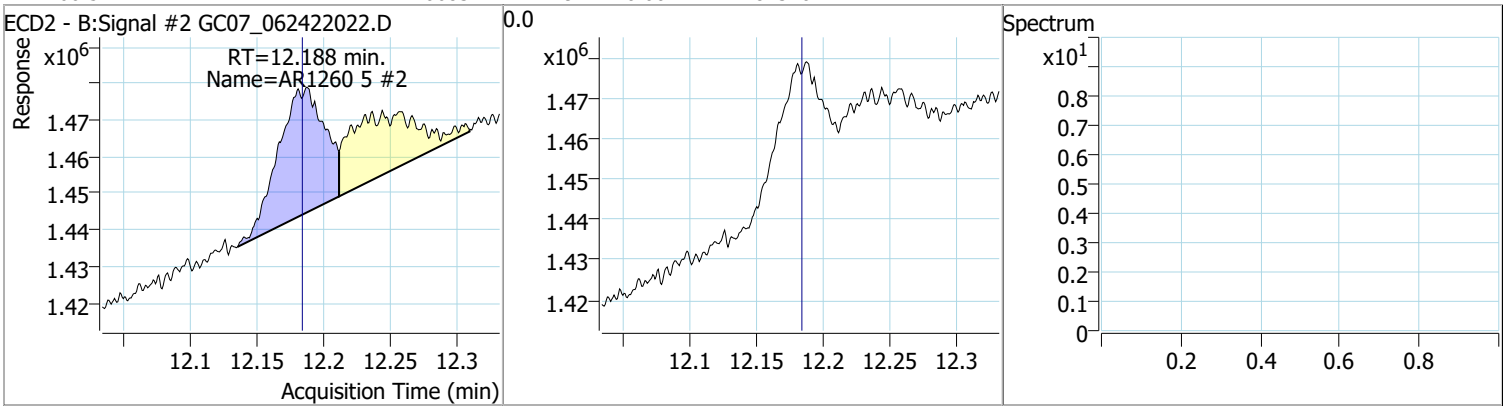
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	18.2491	11.23	0.00	163315				



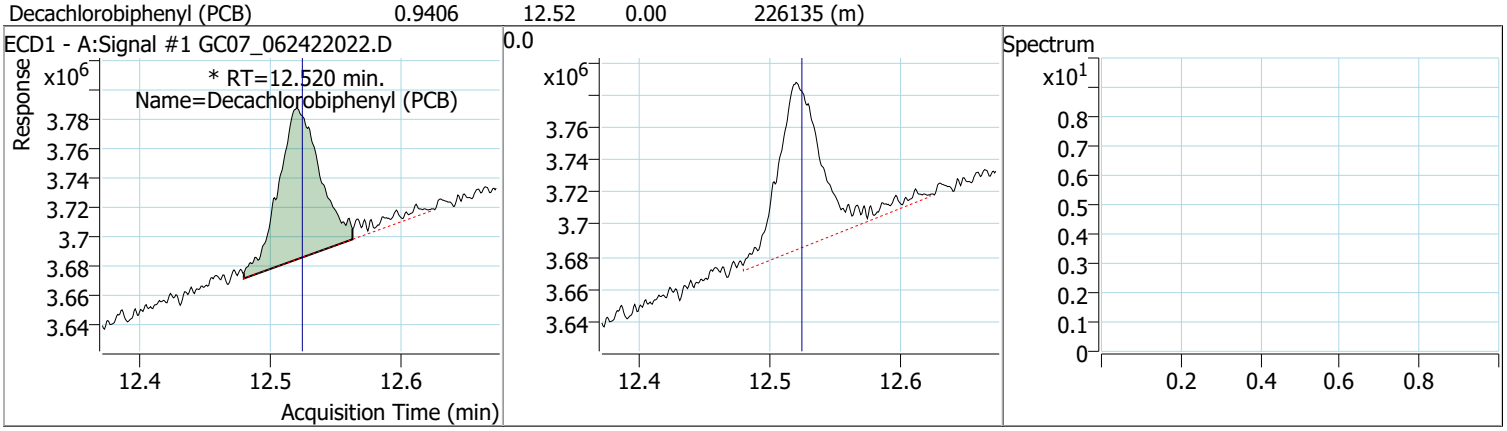
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	20.8410	11.48	0.00	58078				



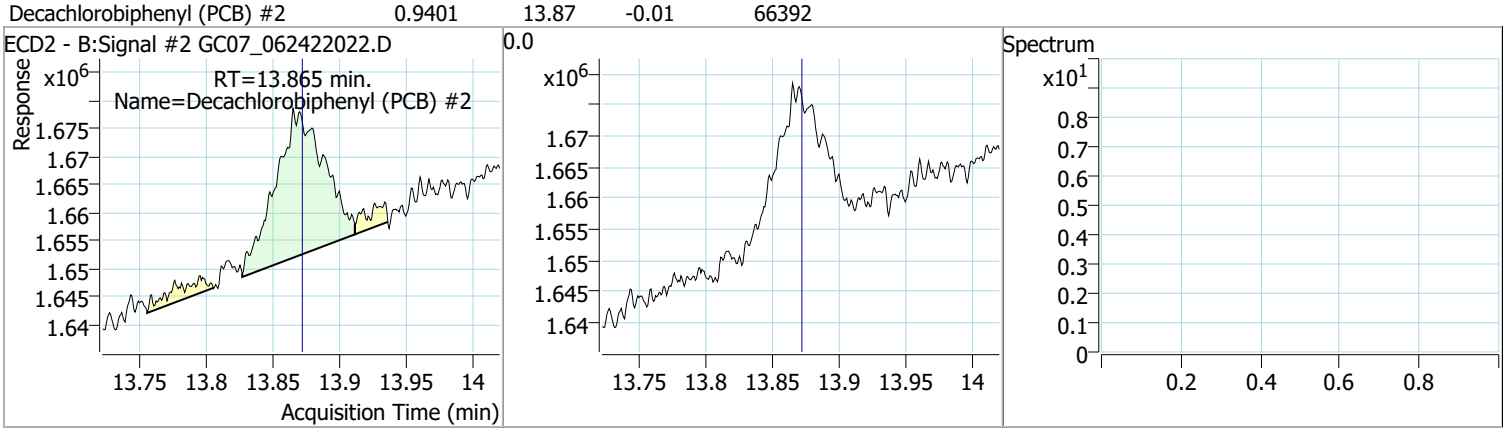
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	21.0683	12.19	0.00	84370				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	0.9406	12.52	0.00	226135 (m)				

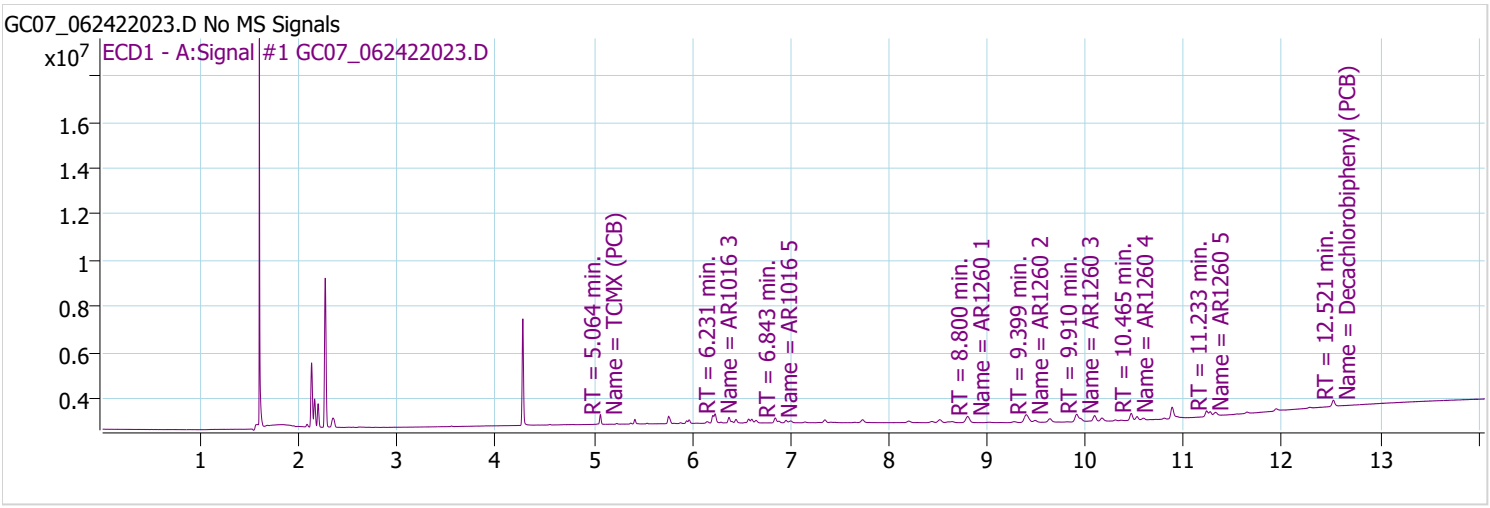


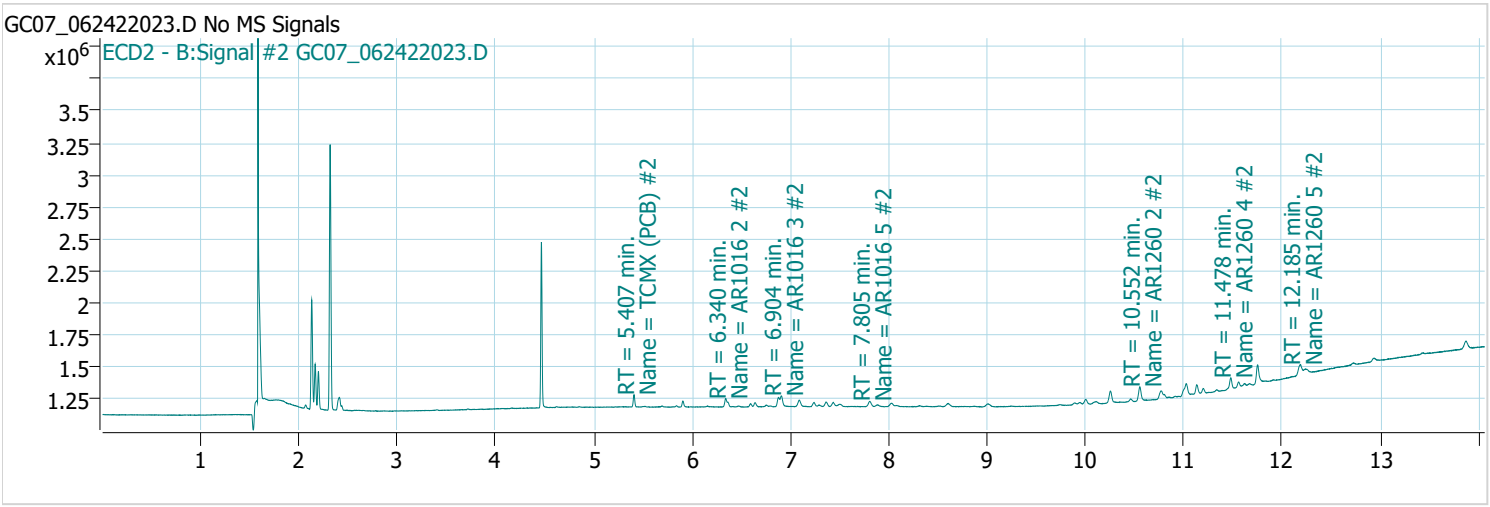
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	0.9401	13.87	-0.01	66392				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422023.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 12:57:06 AM
Sample Name	ICAL, S16726, 40	Instrument	SVOA-GC07
Vial	12	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	50 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



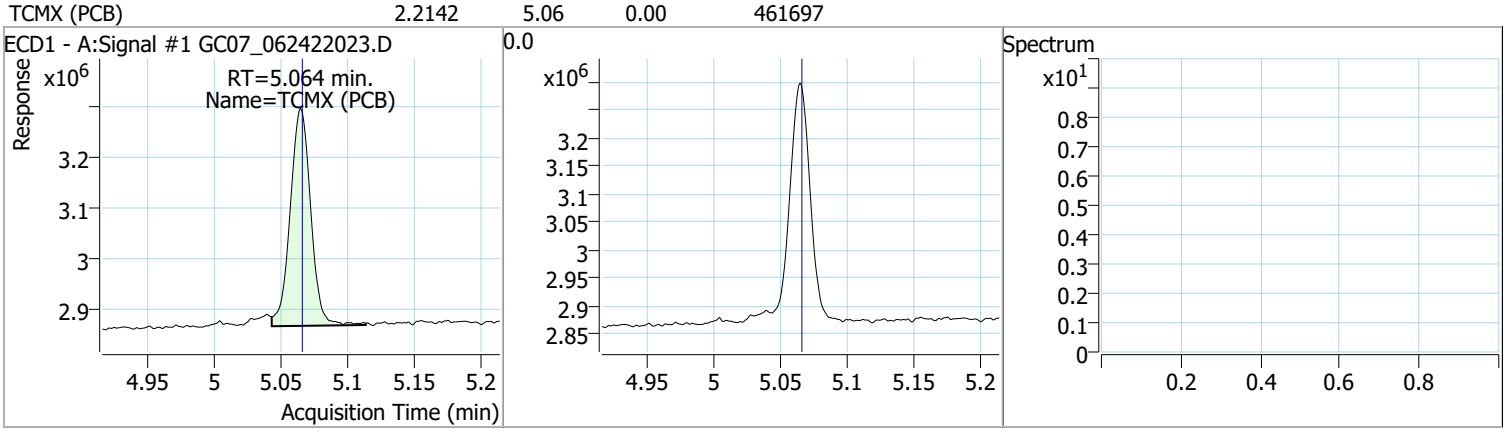


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.275	0.0	4421081.238	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.464	0.0	1166029.162	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.064	0.0	461696.881	2.2142	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 11.07%		*	
S TCMX (PCB) #2	5.407	0.0	103612.107	1.9580	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 9.79%		*	
S Decachlorobiphenyl (PCB)	12.521	0.0	553575.109	2.2415	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 11.21%		*	
S Decachlorobiphenyl (PCB) #2	13.874	0.0	166632.232	2.3208	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 11.60%		*	
Target Compounds							QValue
T AR1016 1	5.416	0.0	237850.351	56.0780	ng/ml		100
T AR1016 2	5.758	0.0	534537.195	58.1490	ng/ml		100
T AR1016 1 #2	5.903	0.0	60136.646	51.2128	ng/ml		100

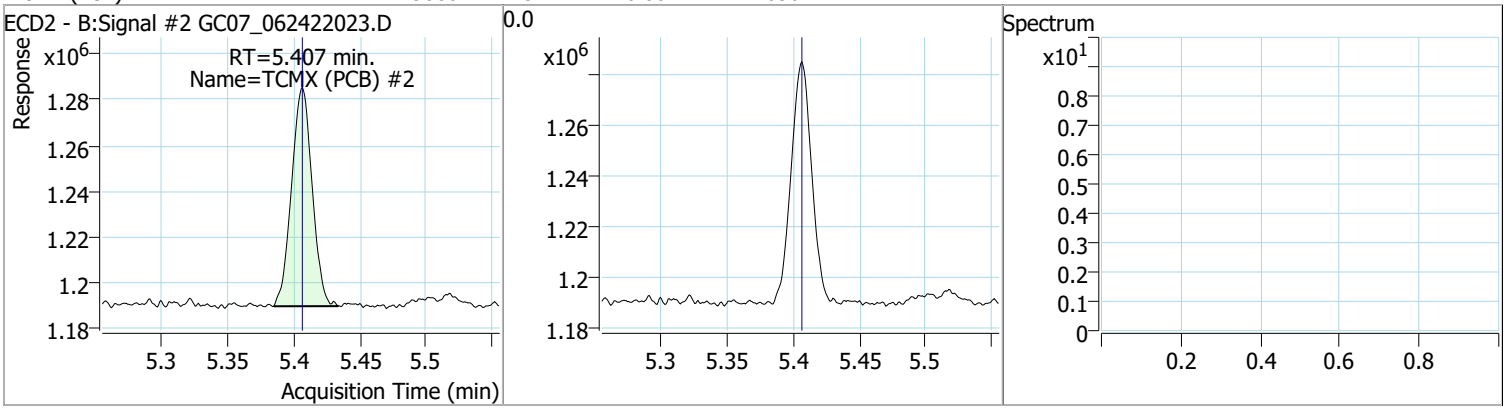
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 3	6.231	0.0	599053.673	56.2764	ng/ml		100
T AR1016 2 #2	6.340	0.0	136866.628	53.5269	ng/ml		100
T AR1016 4	6.373	0.0	425242.429	55.5522	ng/ml		100
T AR1016 5	6.843	0.0	356105.605	55.8492	ng/ml		100
T AR1016 3 #2	6.904	0.0	153954.877	52.4901	ng/ml		100
T AR1016 4 #2	7.088	0.0	110455.001	54.2604	ng/ml	m	100
T AR1016 5 #2	7.805	0.0	92592.611	54.4514	ng/ml		100
T AR1260 1	8.800	0.0	762811.285	56.6516	ng/ml		100
T AR1260 2	9.399	0.0	1080530.411	55.9018	ng/ml		100
T AR1260 3	9.910	0.0	1052709.932	53.7435	ng/ml		100
T AR1260 1 #2	10.252	0.0	191092.109	51.7466	ng/ml		100
T AR1260 4	10.465	0.0	555278.694	55.4537	ng/ml		100
T AR1260 2 #2	10.552	0.0	214360.496	52.2477	ng/ml		100
T AR1260 3 #2	11.024	0.0	252189.870	49.9394	ng/ml		100
T AR1260 5	11.233	0.0	443921.654	48.2882	ng/ml		100
T AR1260 4 #2	11.478	0.0	151432.269	53.4472	ng/ml		100
T AR1260 5 #2	12.185	0.0	211880.137	52.0391	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

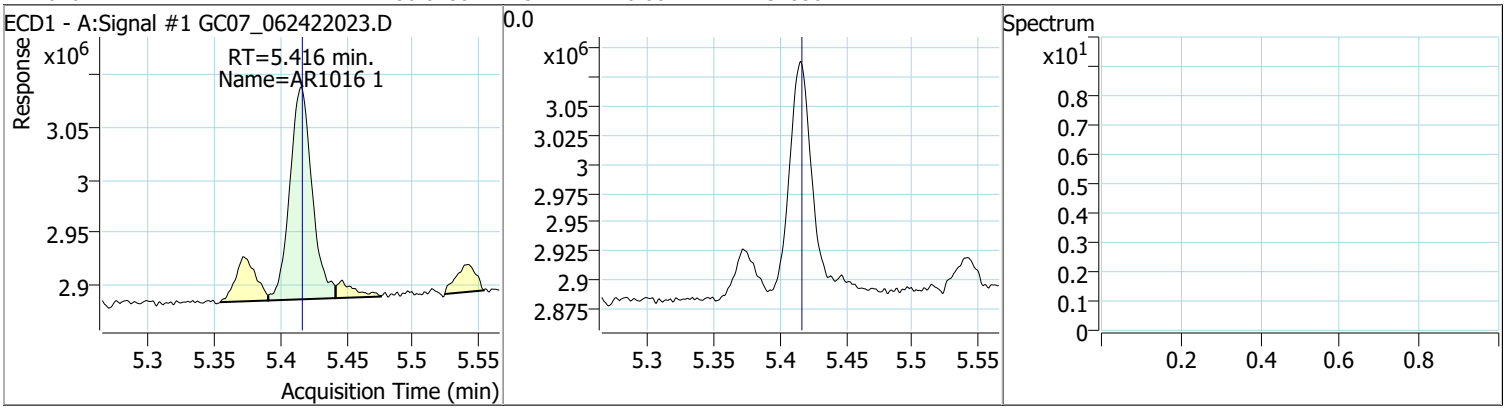
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	2.2142	5.06	0.00	461697				



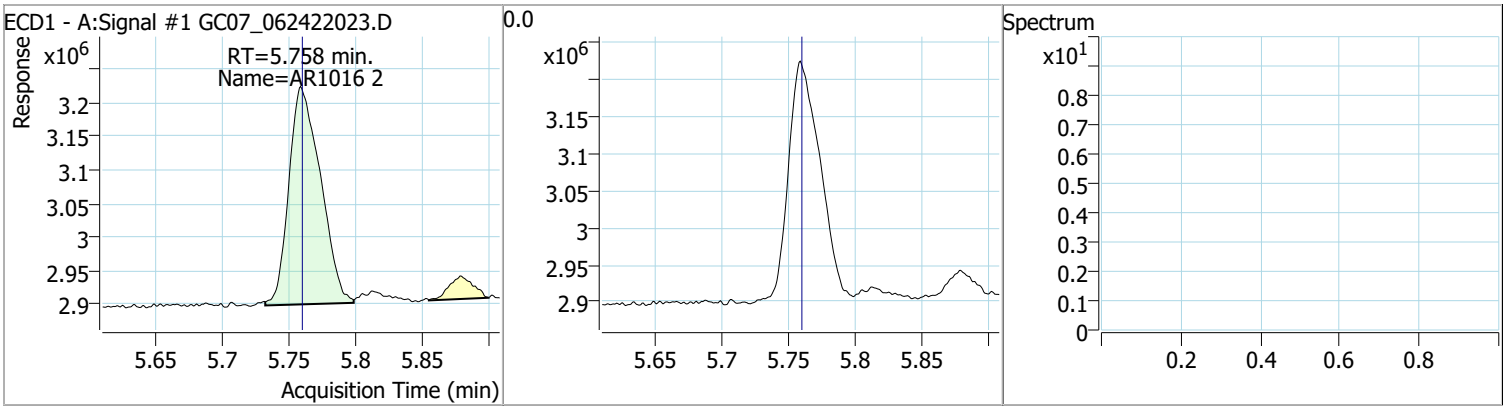
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	1.9580	5.41	0.00	103612				



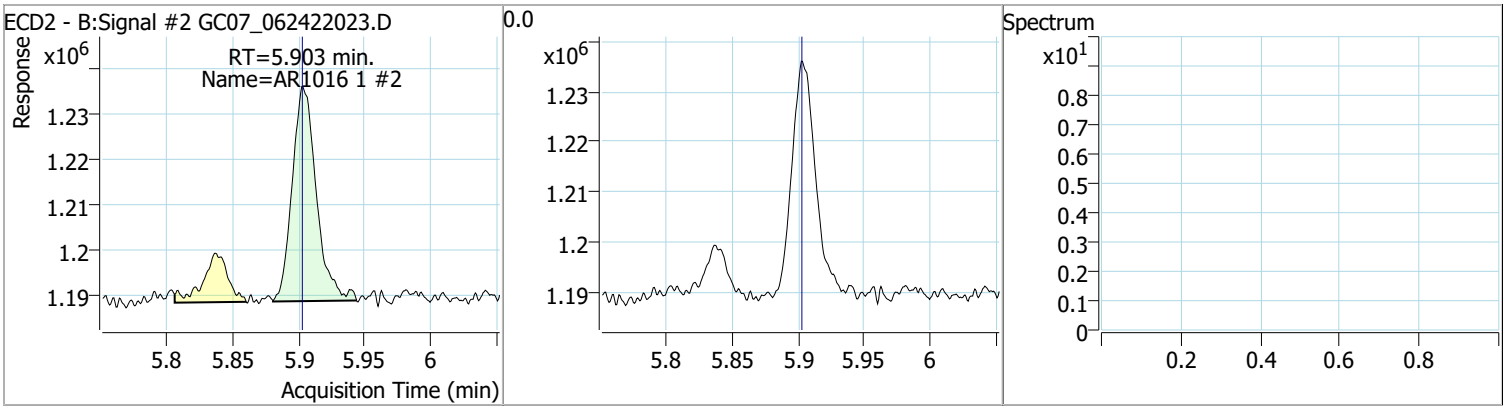
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	56.0780	5.42	0.00	237850				



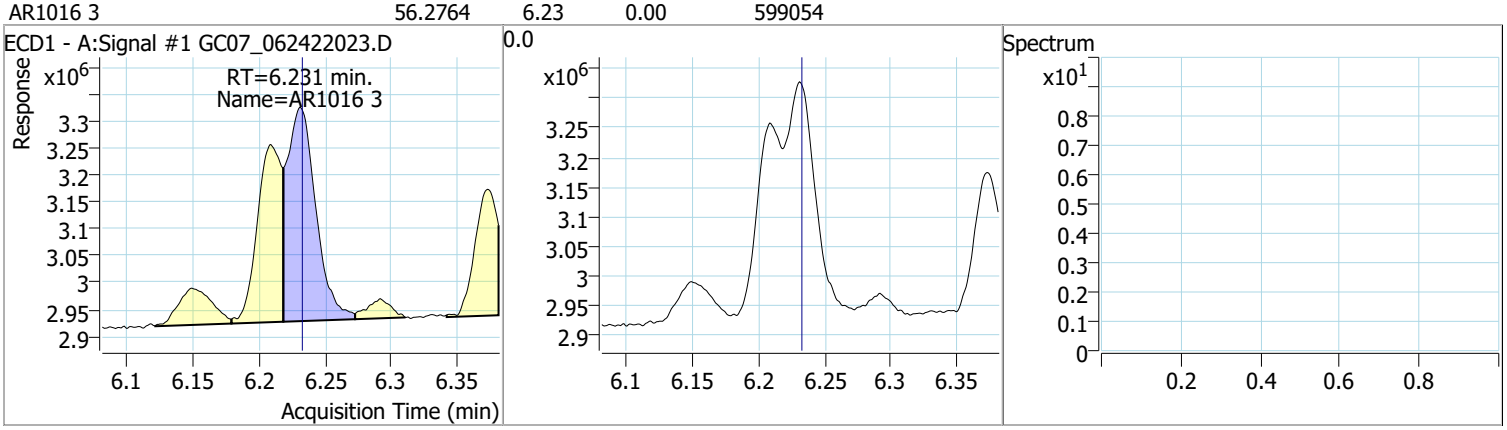
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	58.1490	5.76	0.00	534537				



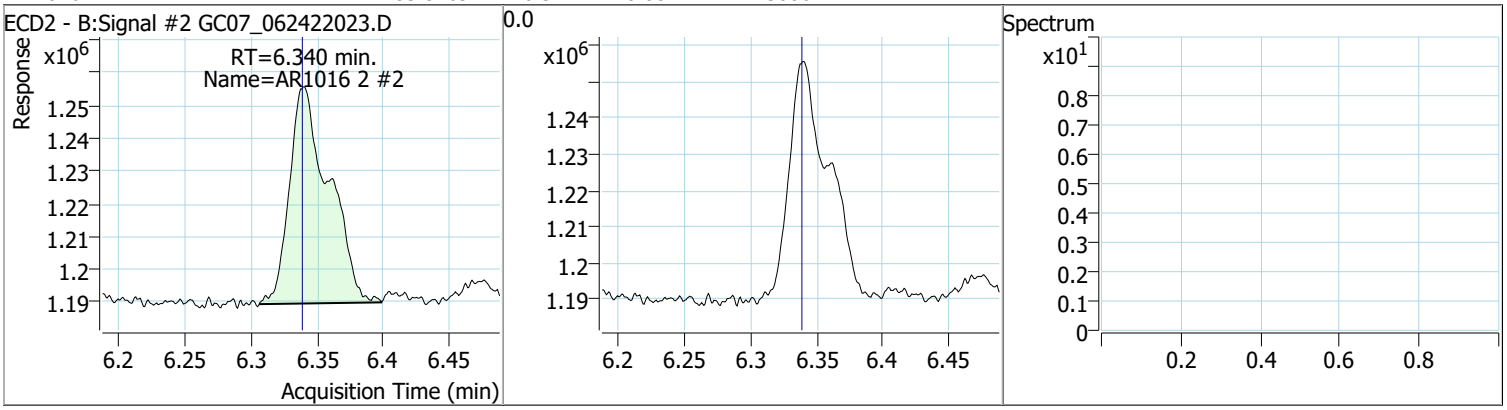
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	51.2128	5.90	0.00	60137				



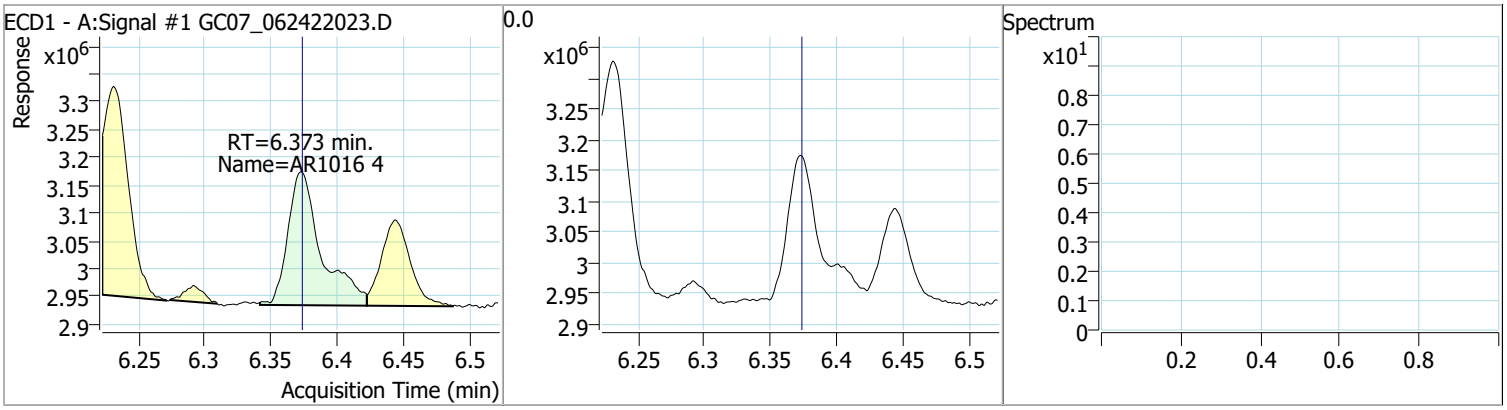
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	56.2764	6.23	0.00	599054				



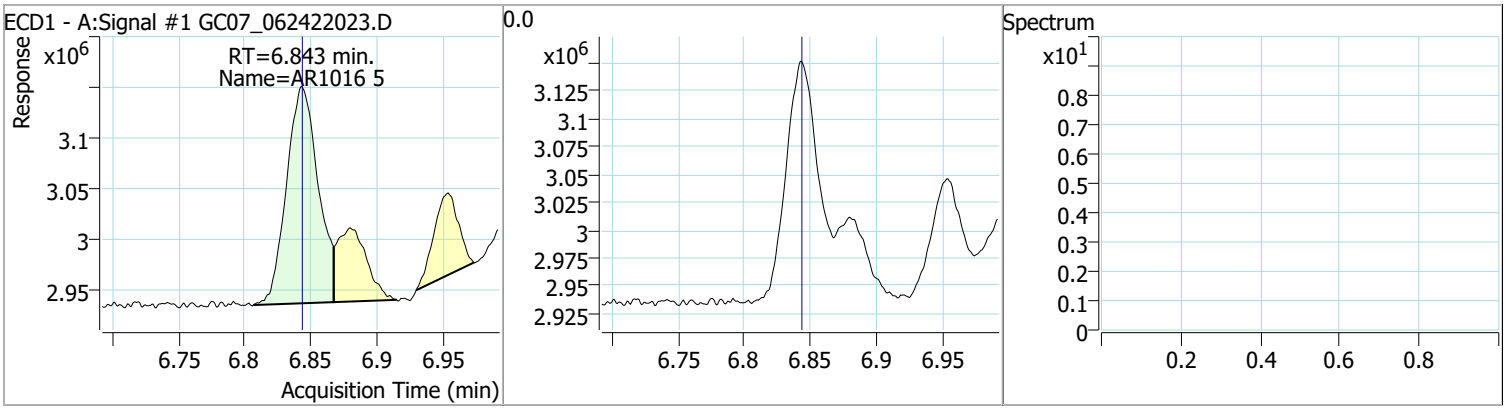
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	53.5269	6.34	0.00	136867				



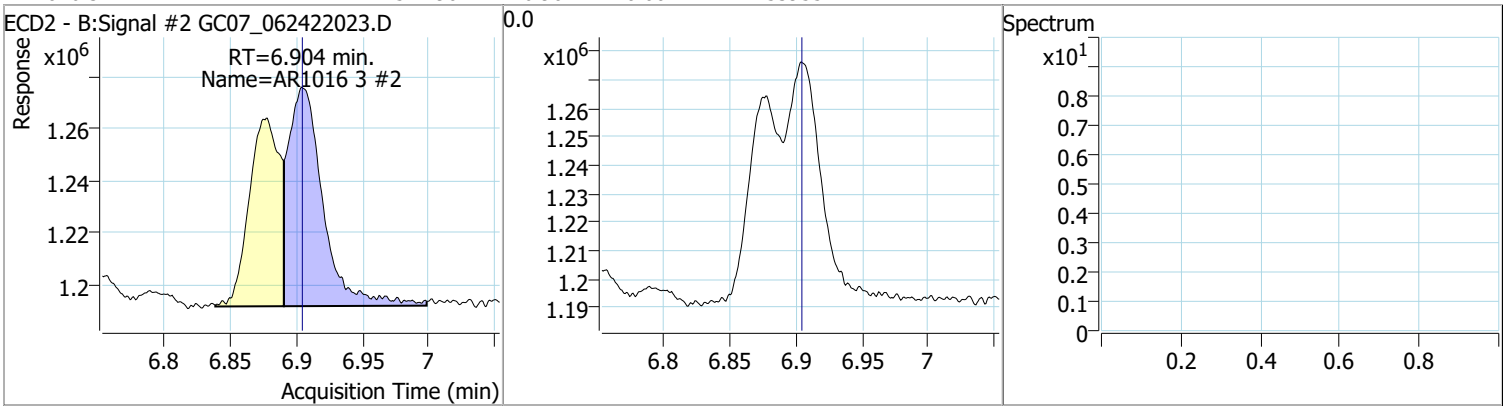
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	55.5522	6.37	0.00	425242				



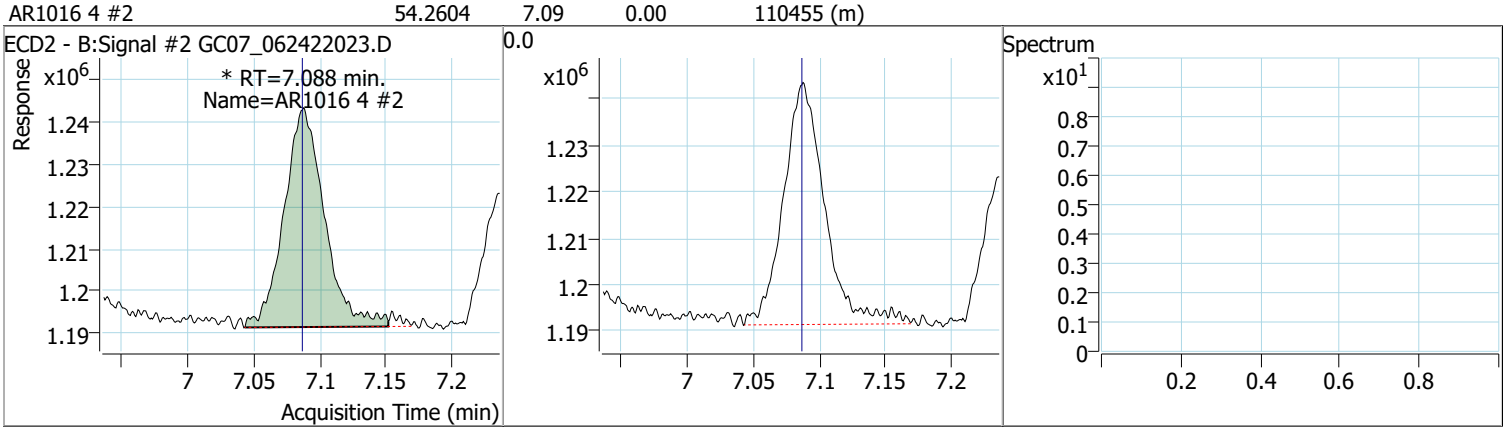
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	55.8492	6.84	0.00	356106				



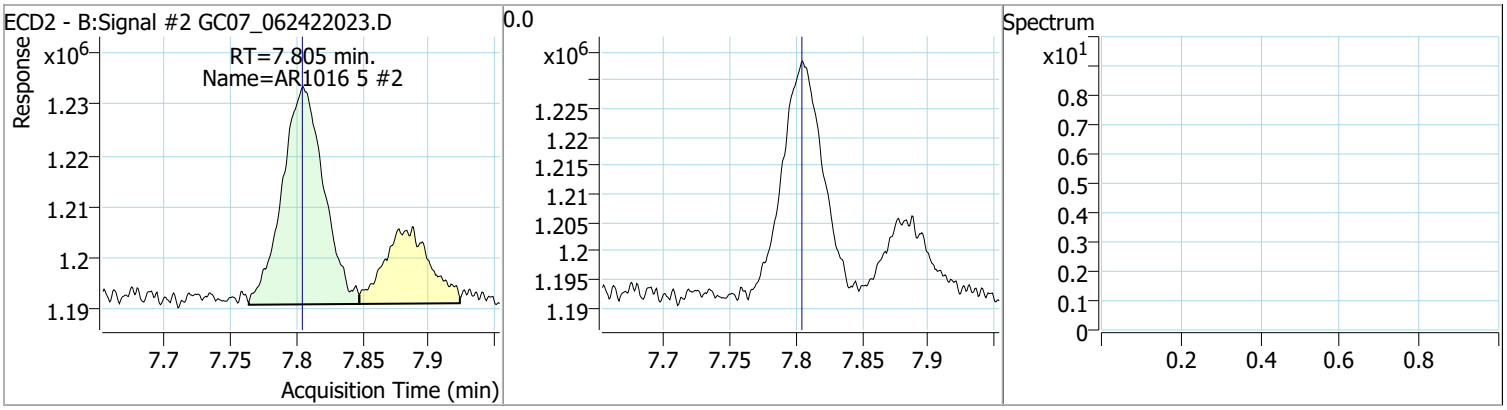
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	52.4901	6.90	0.00	153955				



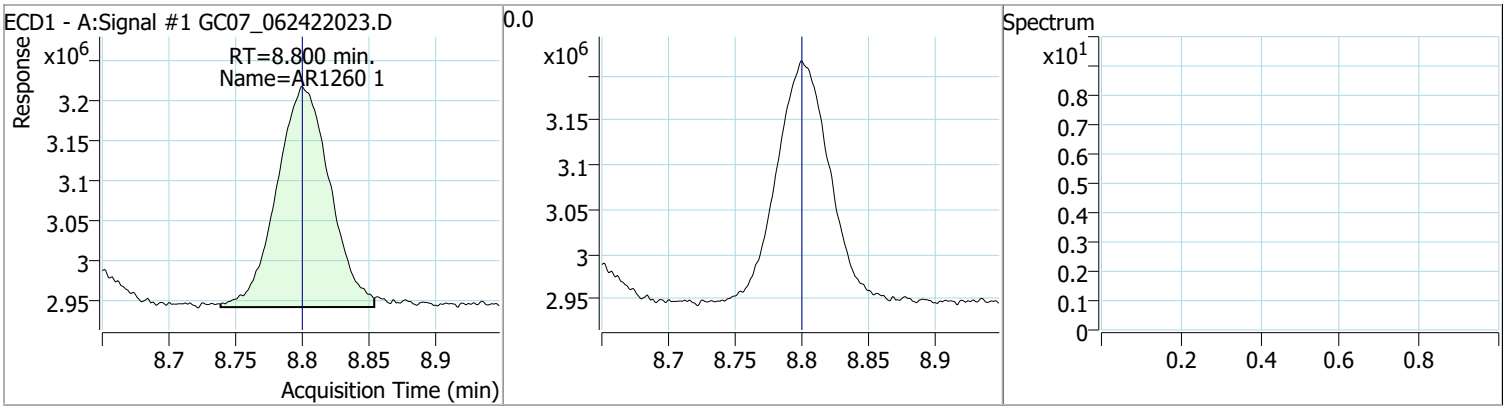
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	54.2604	7.09	0.00	110455 (m)				



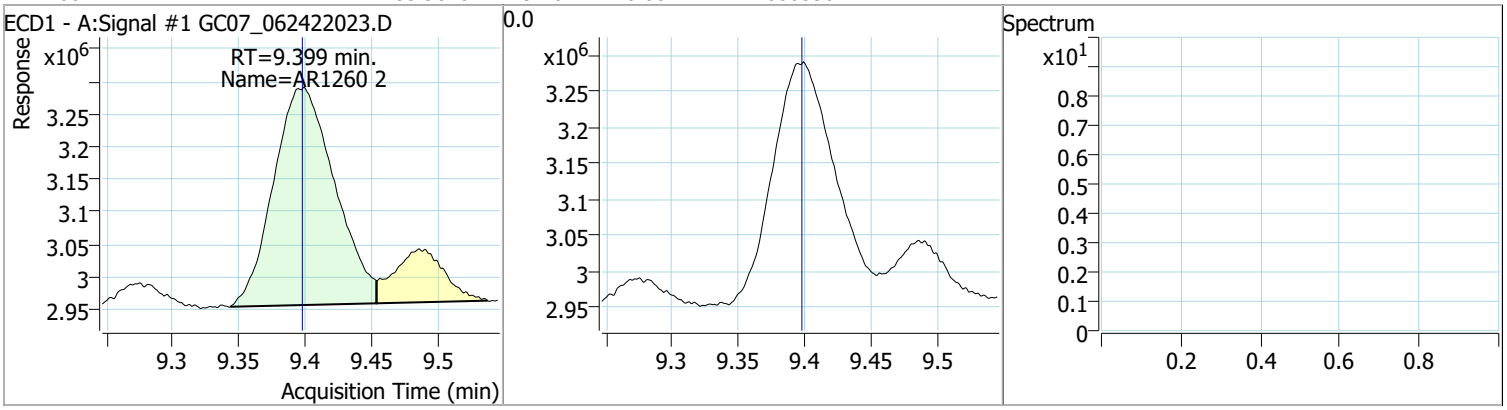
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	54.4514	7.81	0.00	92593				



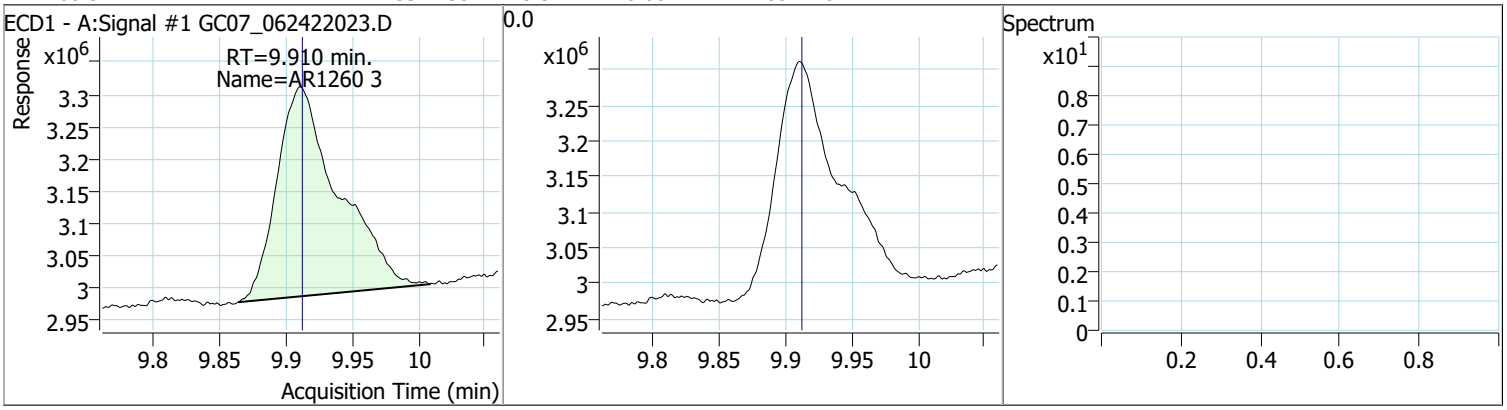
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	56.6516	8.80	0.00	762811				



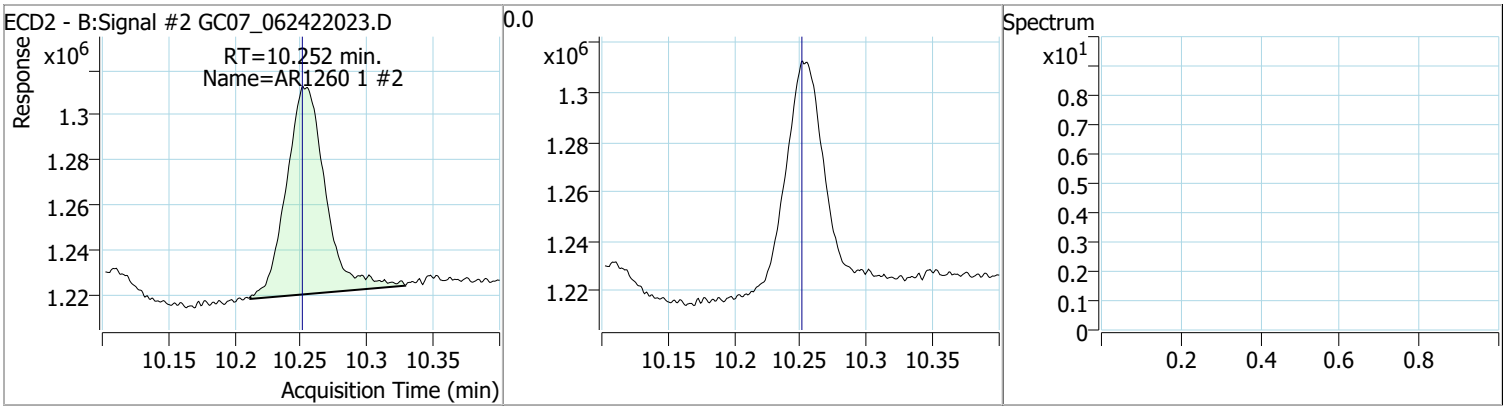
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	55.9018	9.40	0.00	1080530				



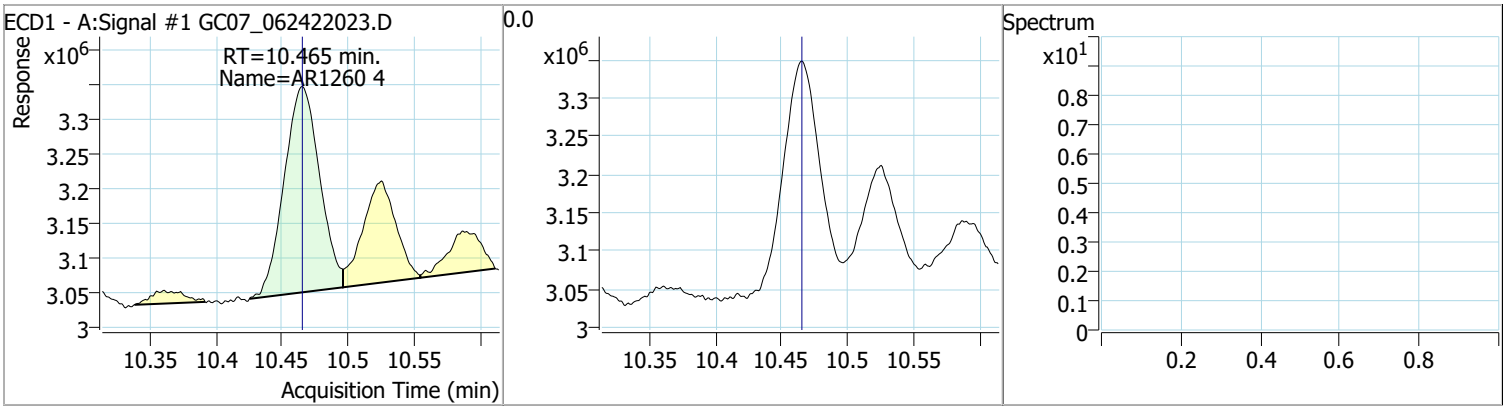
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	53.7435	9.91	0.00	1052710				



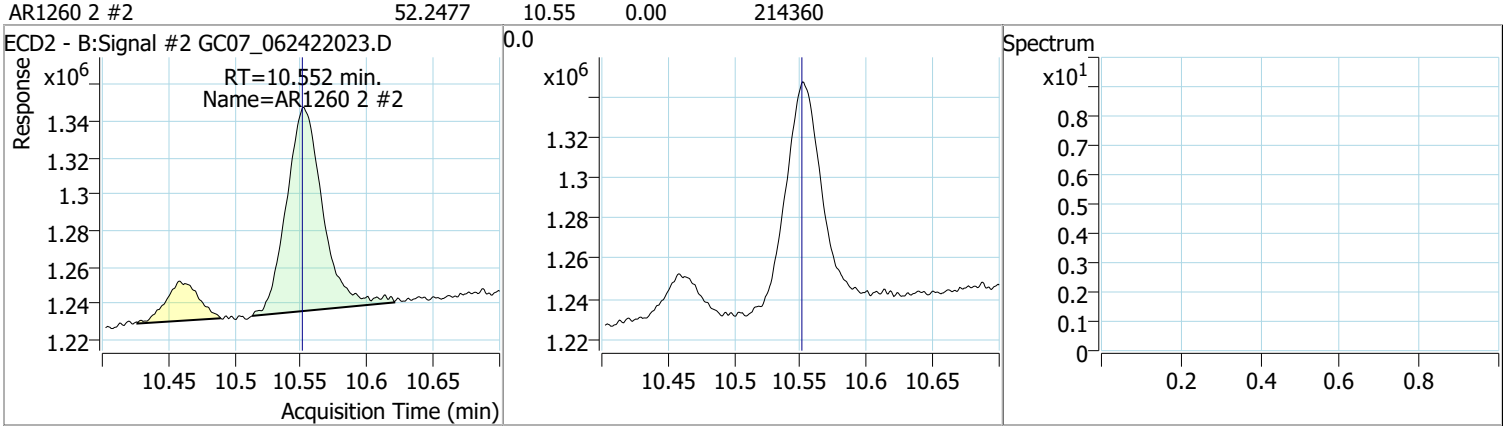
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	51.7466	10.25	0.00	191092				



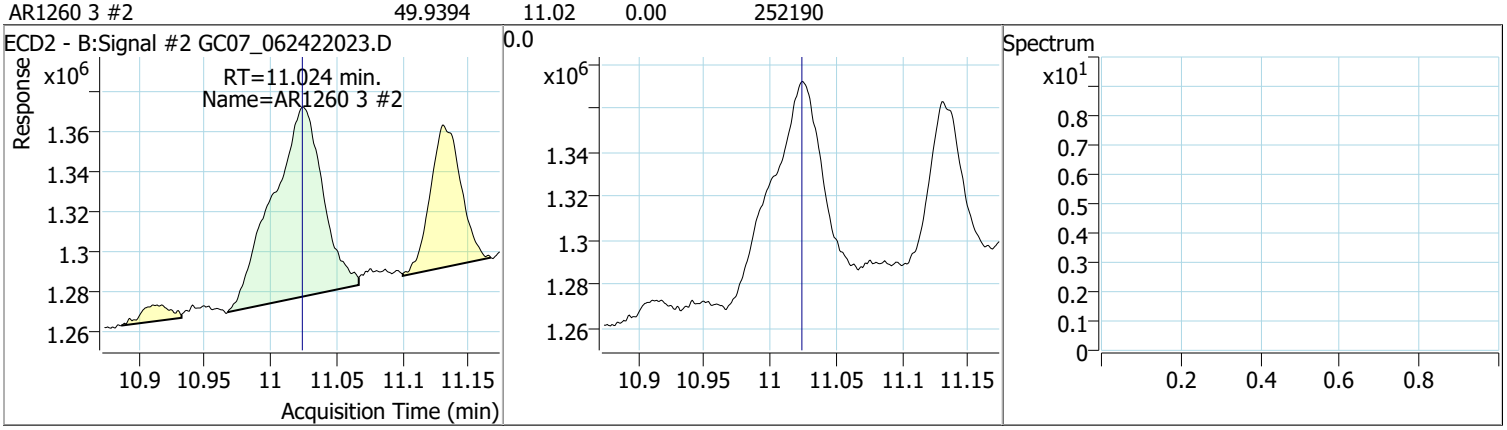
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	55.4537	10.47	0.00	555279				



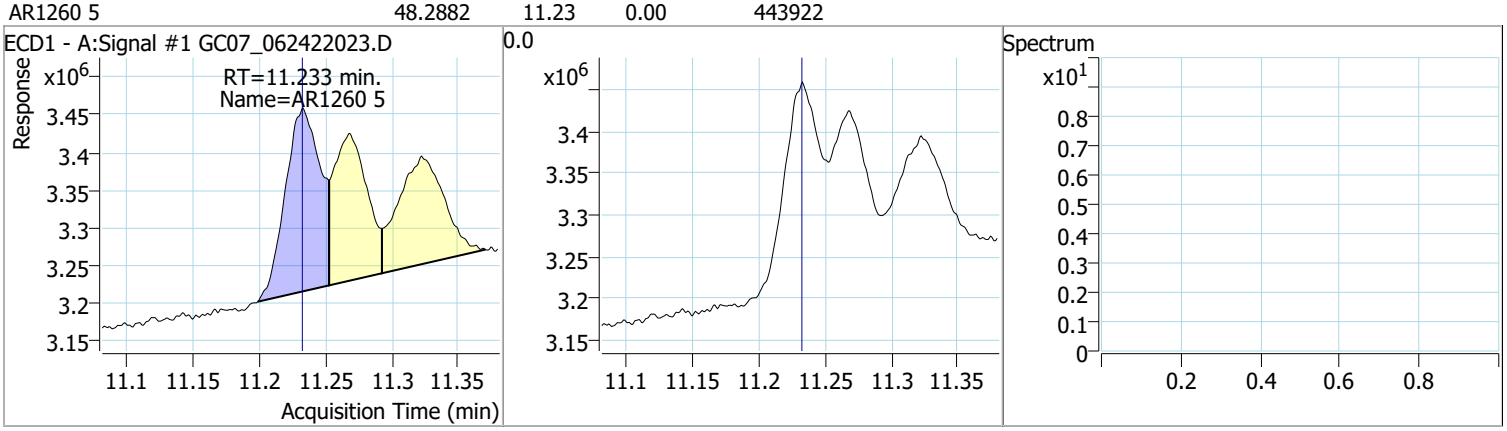
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	52.2477	10.55	0.00	214360				



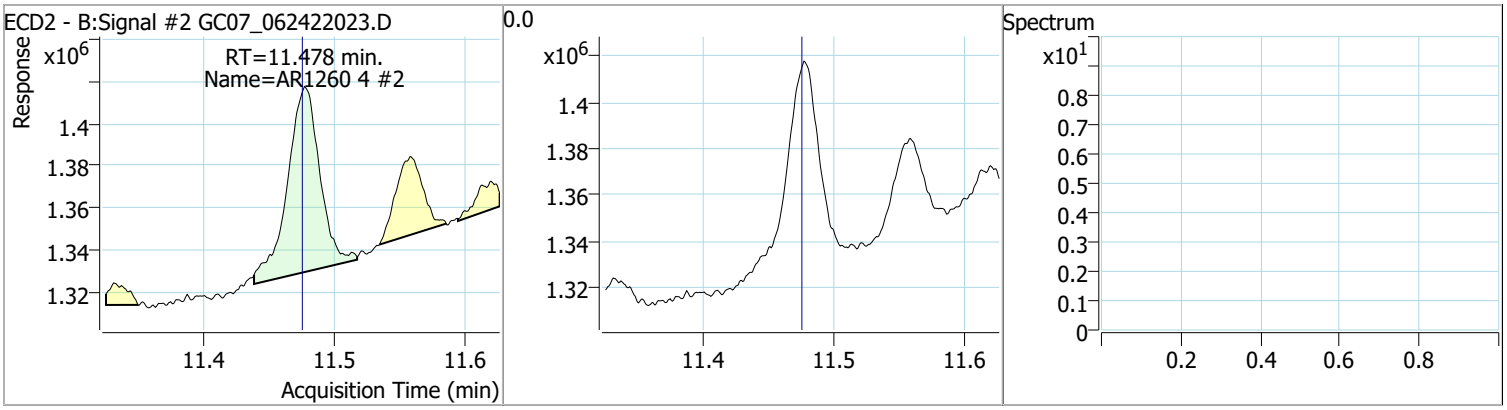
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	49.9394	11.02	0.00	252190				



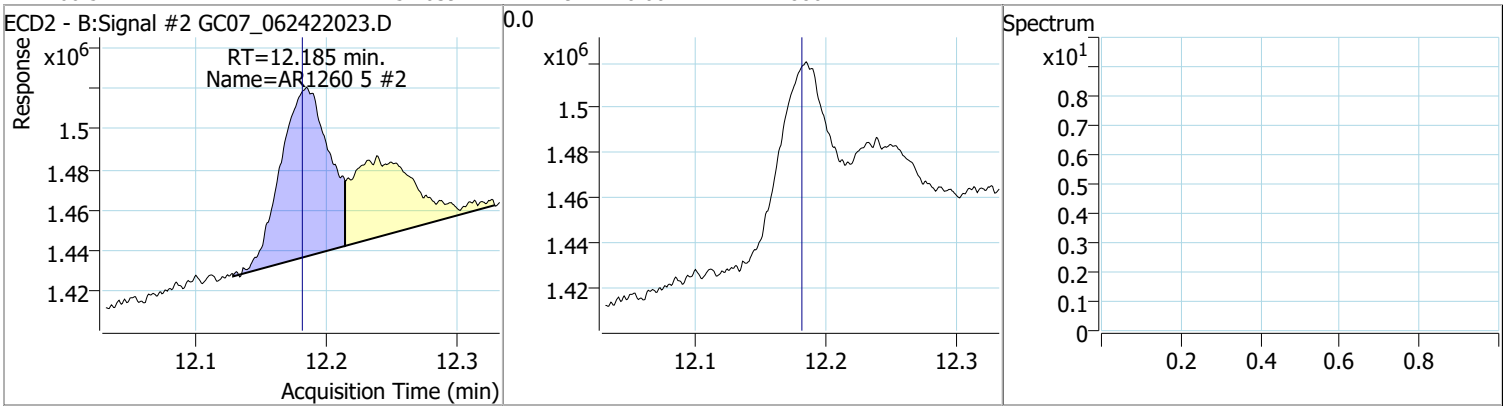
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	48.2882	11.23	0.00	443922				



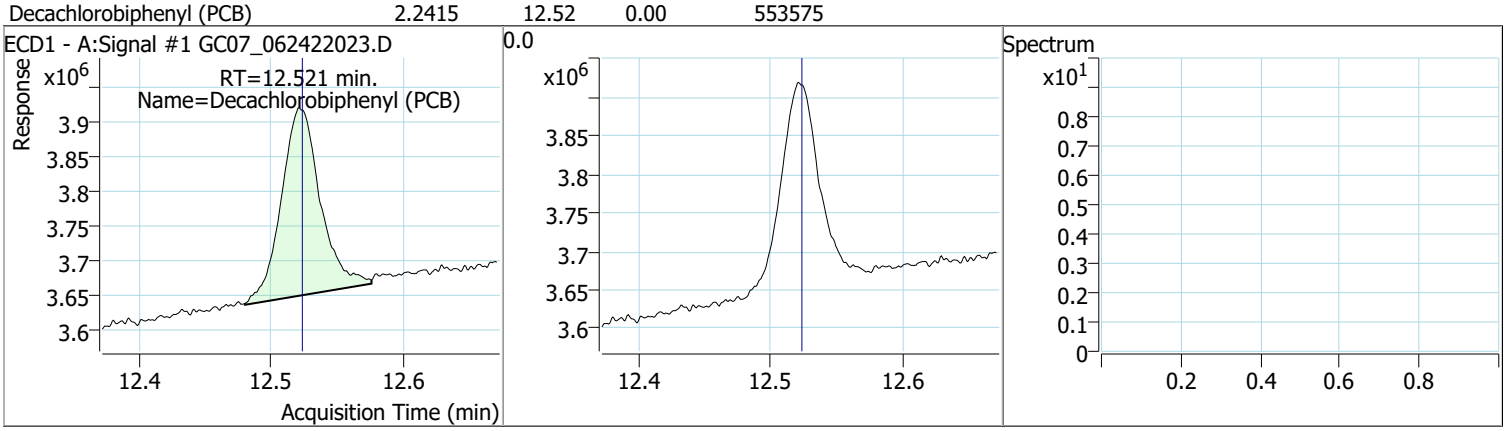
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	53.4472	11.48	0.00	151432				



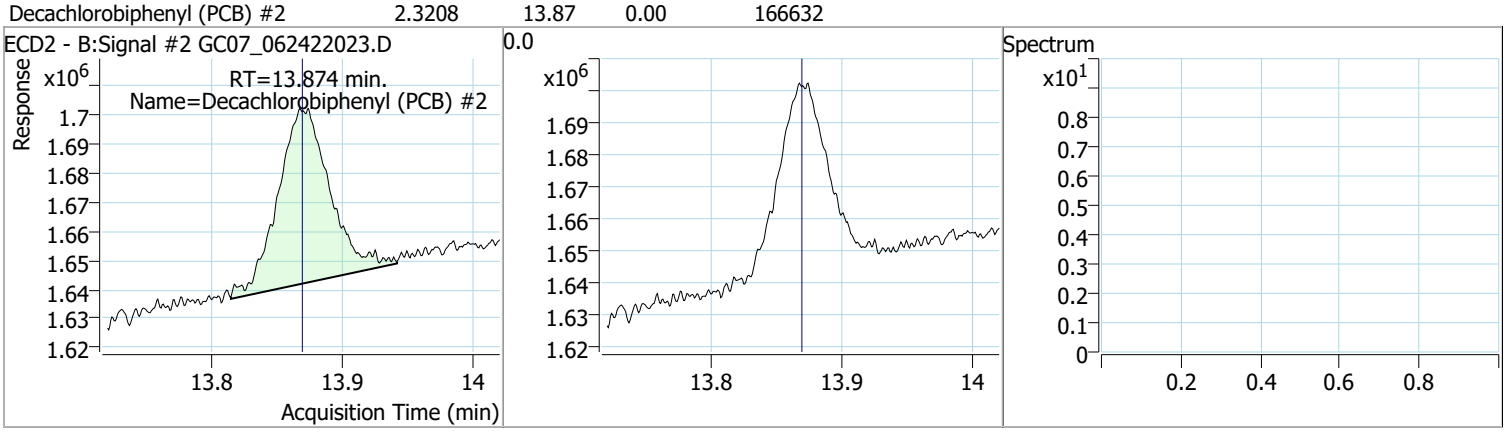
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	52.0391	12.19	0.00	211880				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	2.2415	12.52	0.00	553575				

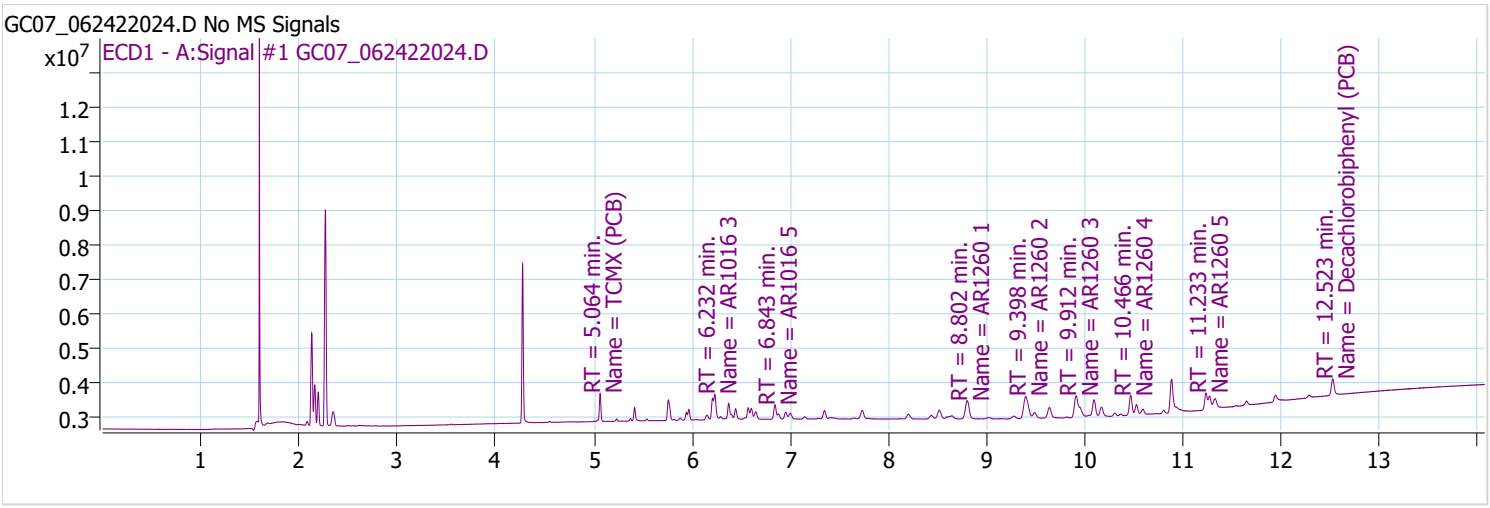


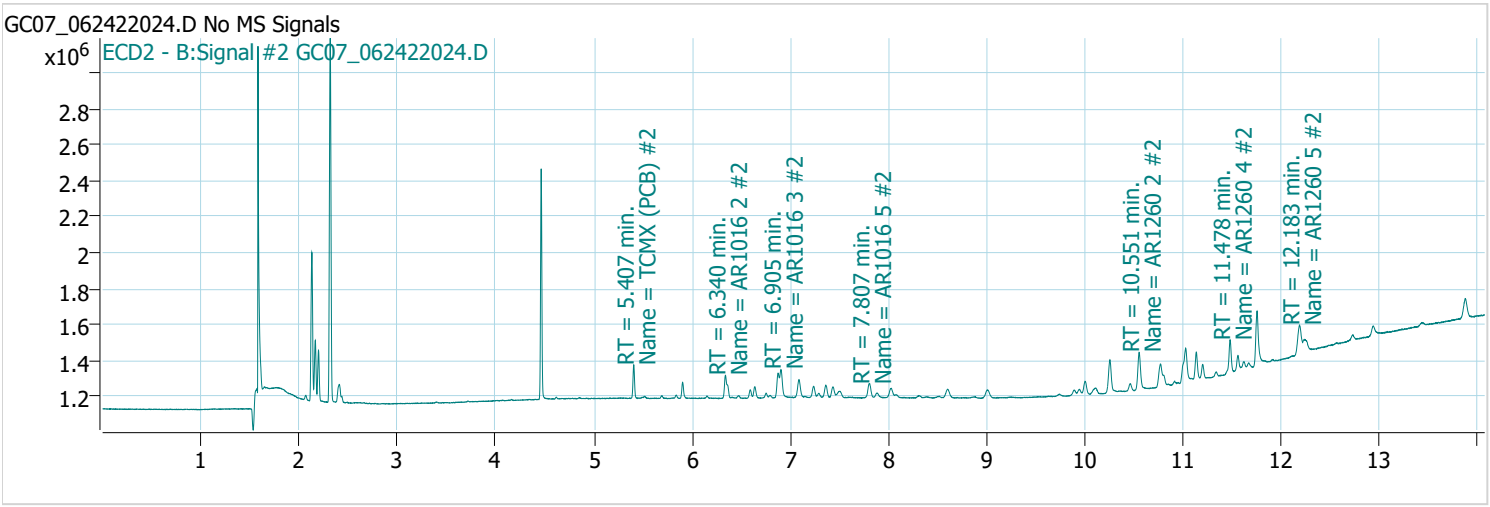
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	2.3208	13.87	0.00	166632				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422024.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 1:14:39 AM
Sample Name	ICAL, S16726, 20	Instrument	SVOA-GC07
Vial	13	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	100 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



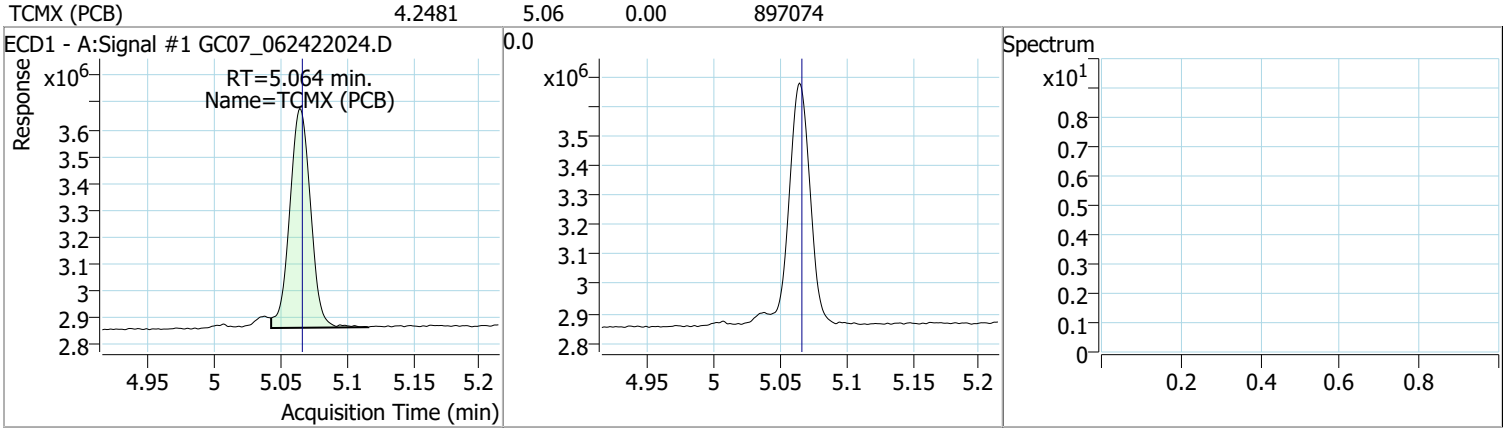


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.276	0.0	4477306.180	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.465	0.0	1187910.331	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.064	0.0	897074.472	4.2481	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 21.24%		*	
S TCMX (PCB) #2	5.407	0.0	207842.683	3.8553	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 19.28%		*	
S Decachlorobiphenyl (PCB)	12.523	0.0	1020372.834	4.0797	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.40%		*	
S Decachlorobiphenyl (PCB) #2	13.872	0.0	283373.502	3.8740	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 19.37%		*	
Target Compounds							QValue
T AR1016 1	5.416	0.0	447483.970	104.1784	ng/ml	m	100

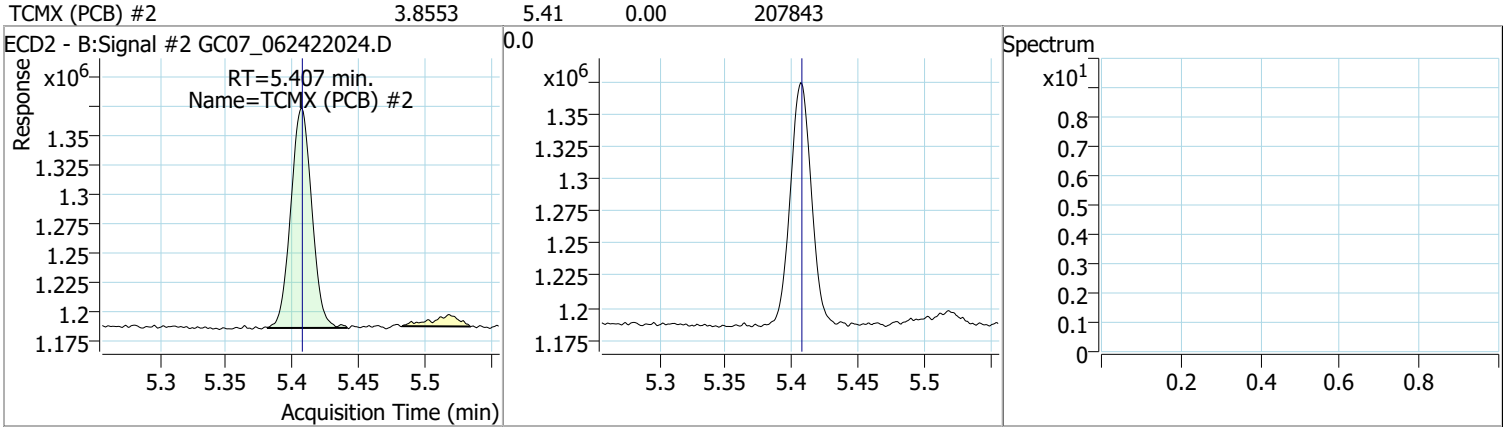
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.759	0.0	1039822.120	111.6954	ng/ml		100
T AR1016 1 #2	5.904	0.0	121966.911	101.9547	ng/ml		100
T AR1016 3	6.232	0.0	1159159.631	107.5266	ng/ml	m	100
T AR1016 2 #2	6.340	0.0	268047.434	102.8992	ng/ml		100
T AR1016 4	6.373	0.0	826298.381	106.5893	ng/ml	m	100
T AR1016 5	6.843	0.0	711331.722	110.1594	ng/ml		100
T AR1016 3 #2	6.905	0.0	297027.731	99.4047	ng/ml		100
T AR1016 4 #2	7.089	0.0	207364.114	99.9900	ng/ml		100
T AR1016 5 #2	7.807	0.0	174426.651	100.6866	ng/ml		100
T AR1260 1	8.802	0.0	1485443.579	108.9338	ng/ml		100
T AR1260 2	9.398	0.0	2110918.071	107.8380	ng/ml		100
T AR1260 3	9.912	0.0	2088066.579	105.2624	ng/ml		100
T AR1260 1 #2	10.254	0.0	386725.864	102.7941	ng/ml		100
T AR1260 4	10.466	0.0	1085118.256	107.0060	ng/ml		100
T AR1260 2 #2	10.551	0.0	429919.183	102.8573	ng/ml		100
T AR1260 3 #2	11.025	0.0	494668.368	96.1515	ng/ml		100
T AR1260 5	11.233	0.0	915842.814	98.3710	ng/ml		100
T AR1260 4 #2	11.478	0.0	281667.470	97.5818	ng/ml		100
T AR1260 5 #2	12.183	0.0	402682.110	97.0795	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

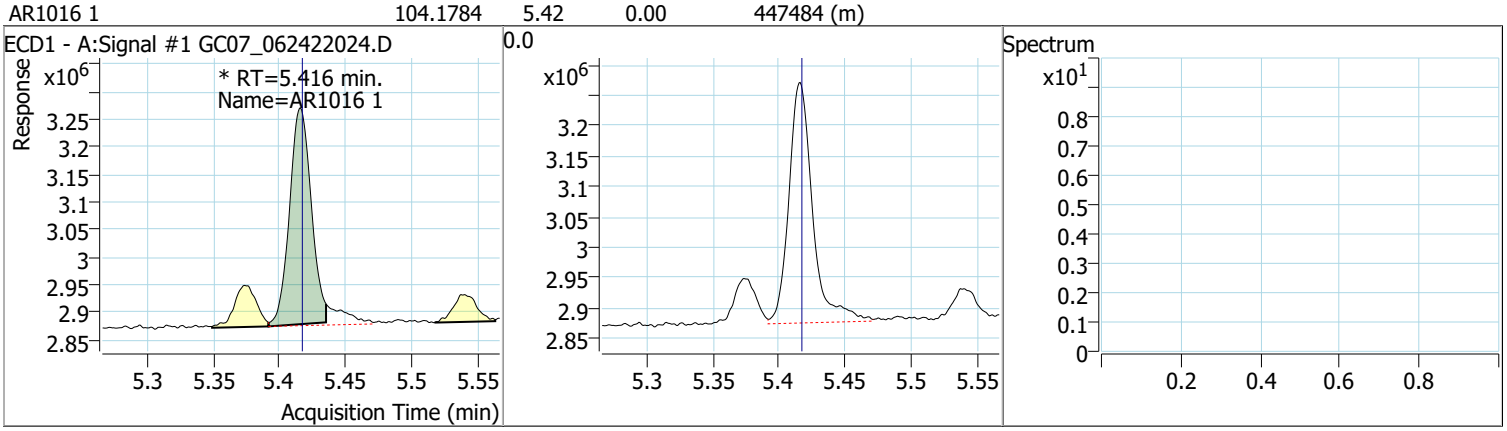
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	4.2481	5.06	0.00	897074				



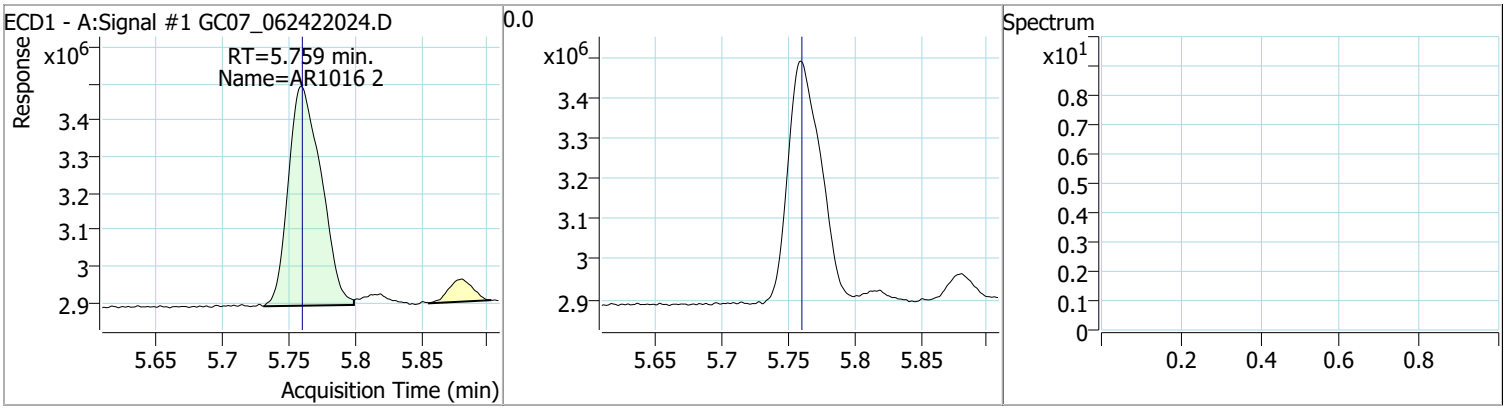
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	3.8553	5.41	0.00	207843				



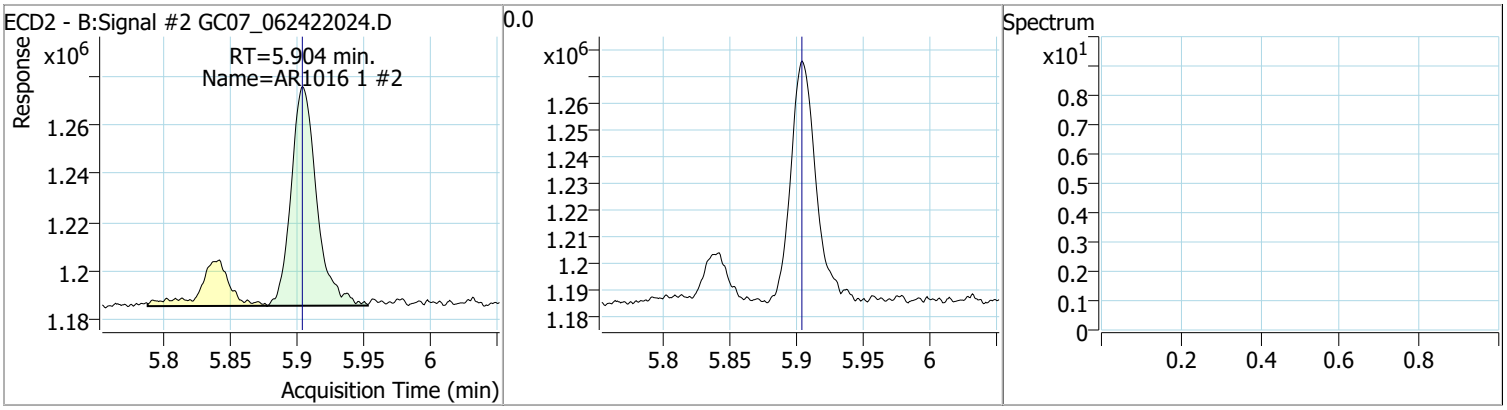
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	104.1784	5.42	0.00	447484 (m)				



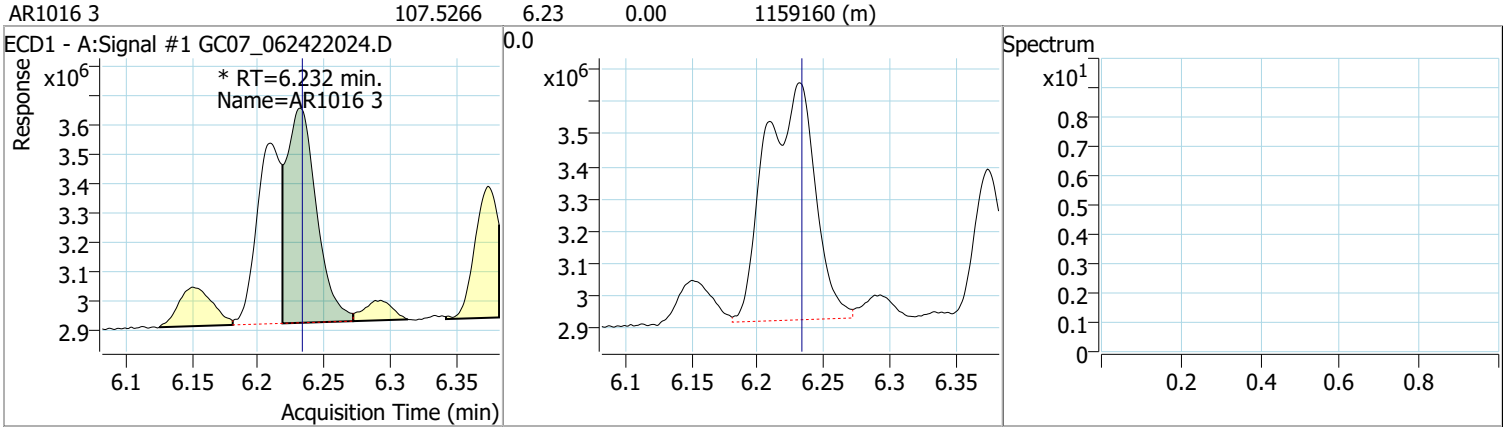
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	111.6954	5.76	0.00	1039822				



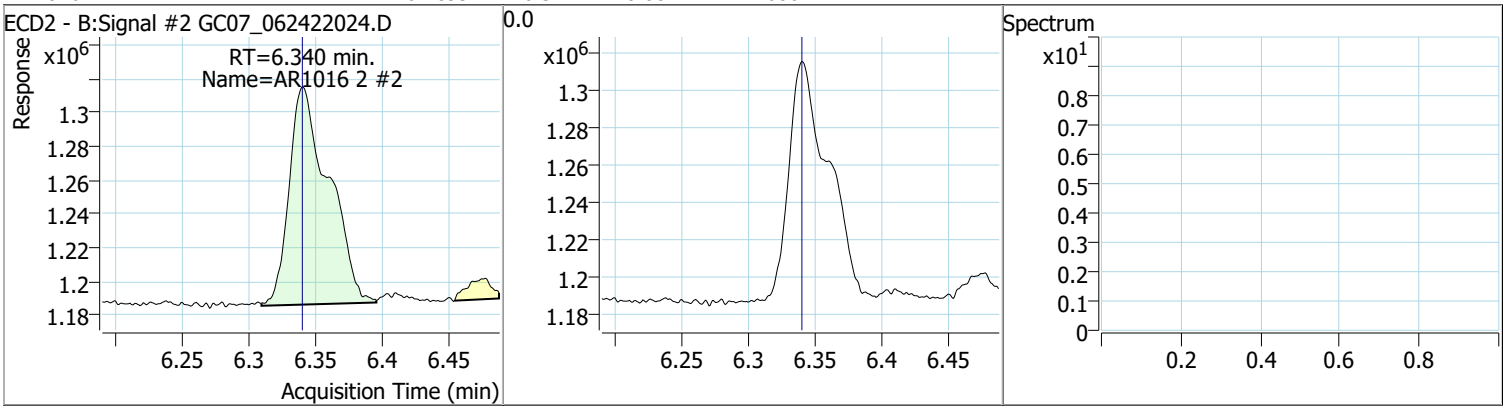
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	101.9547	5.90	0.00	121967				



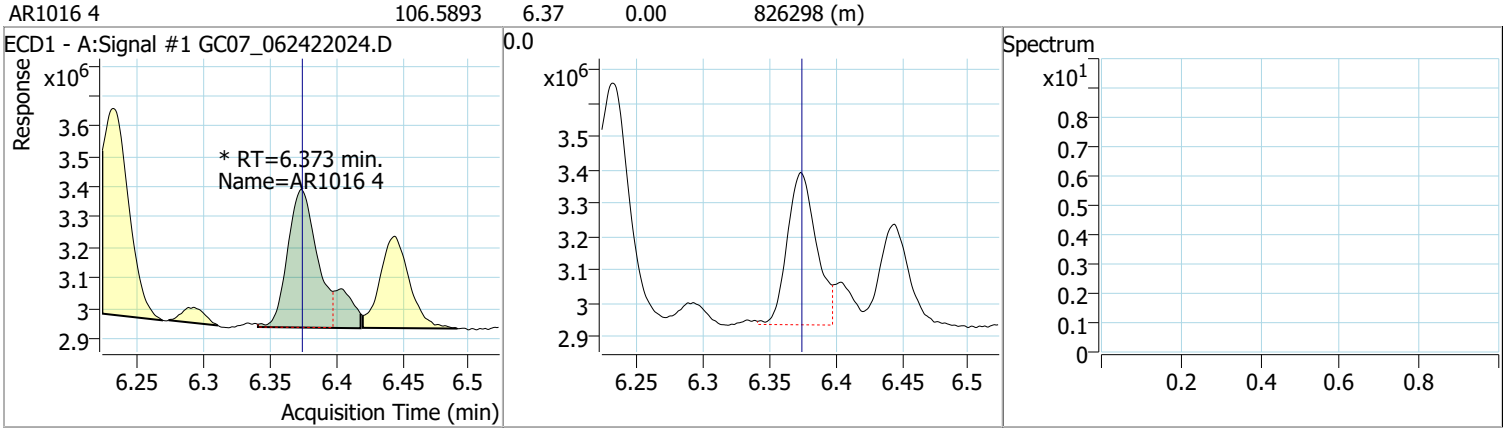
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	107.5266	6.23	0.00	1159160 (m)				



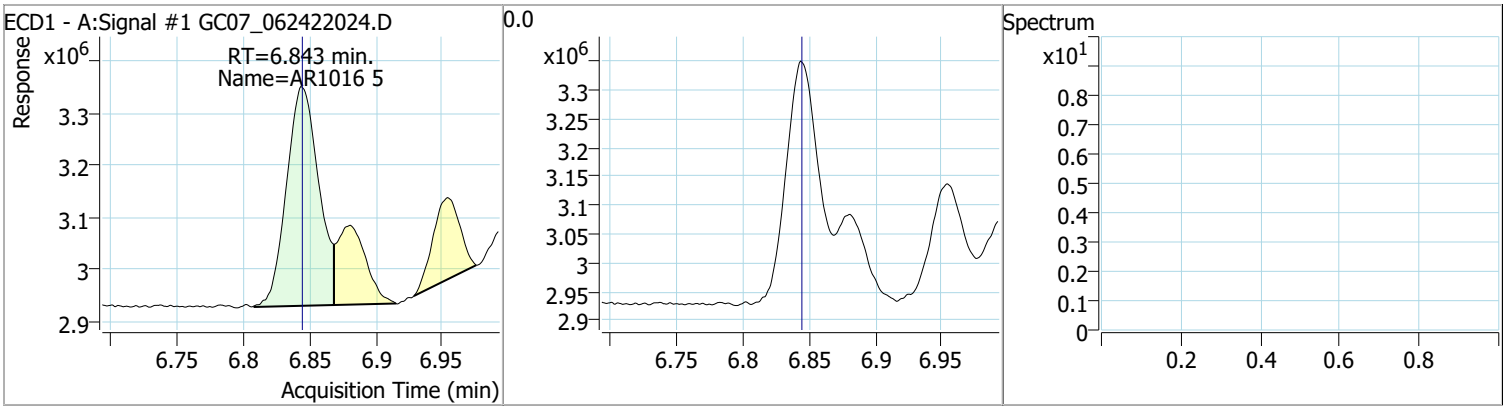
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	102.8992	6.34	0.00	268047				



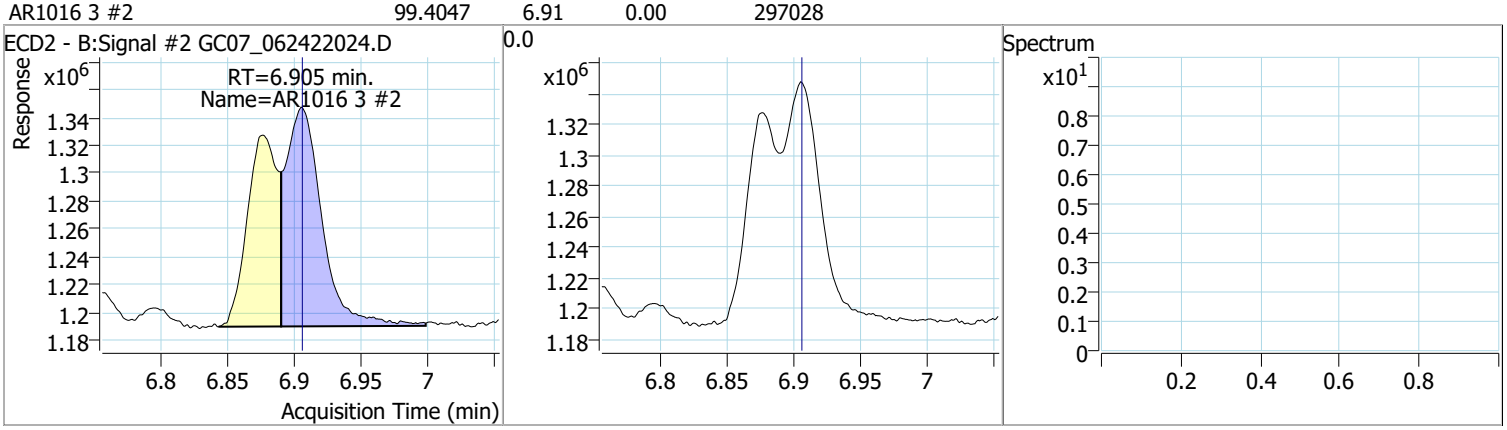
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	106.5893	6.37	0.00	826298 (m)				



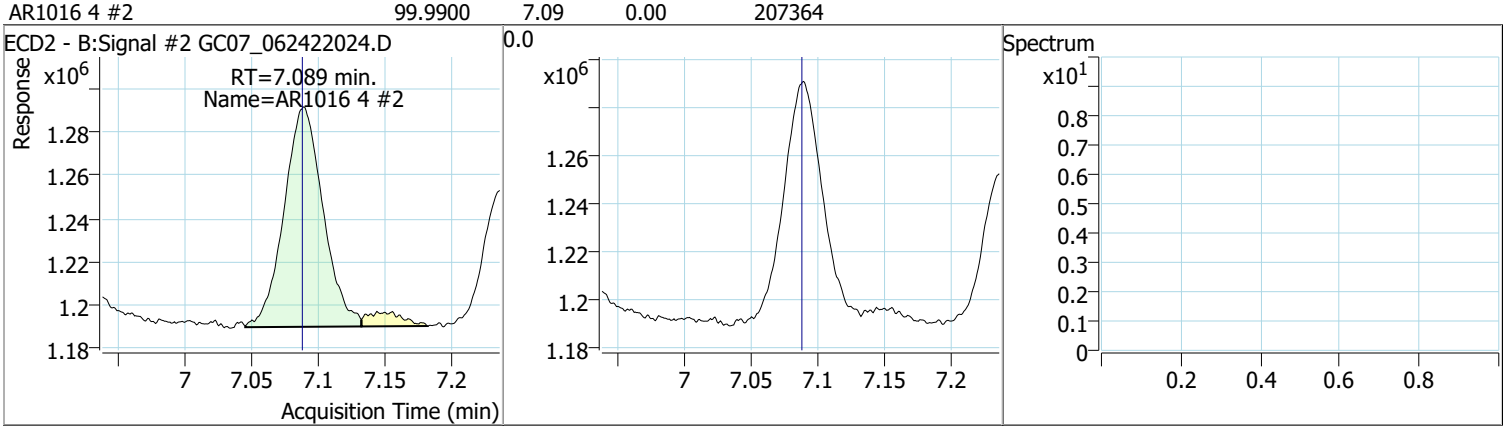
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	110.1594	6.84	0.00	711332				



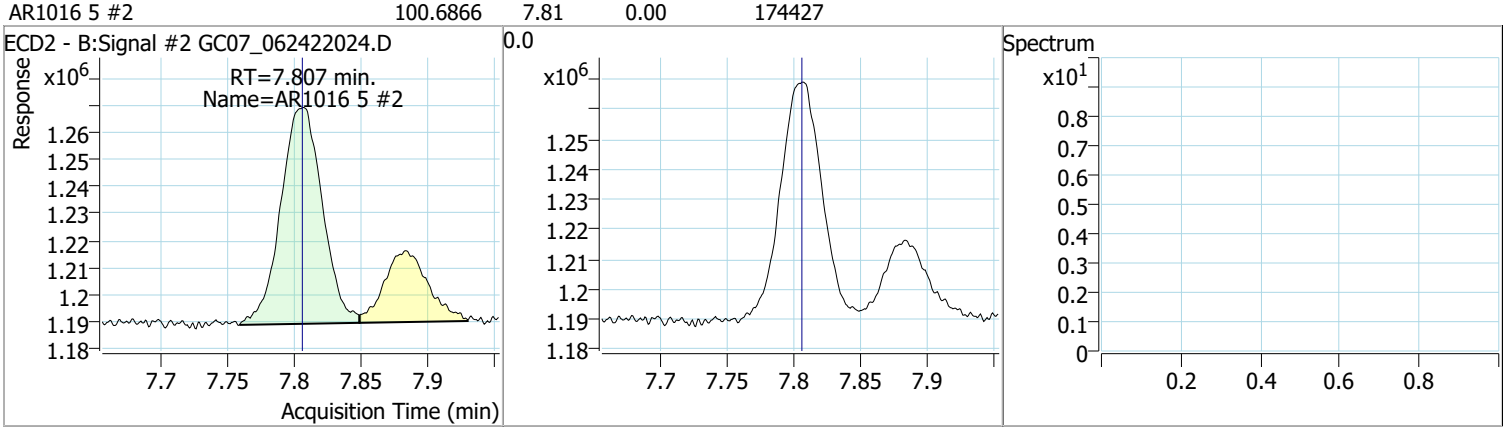
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	99.4047	6.91	0.00	297028				



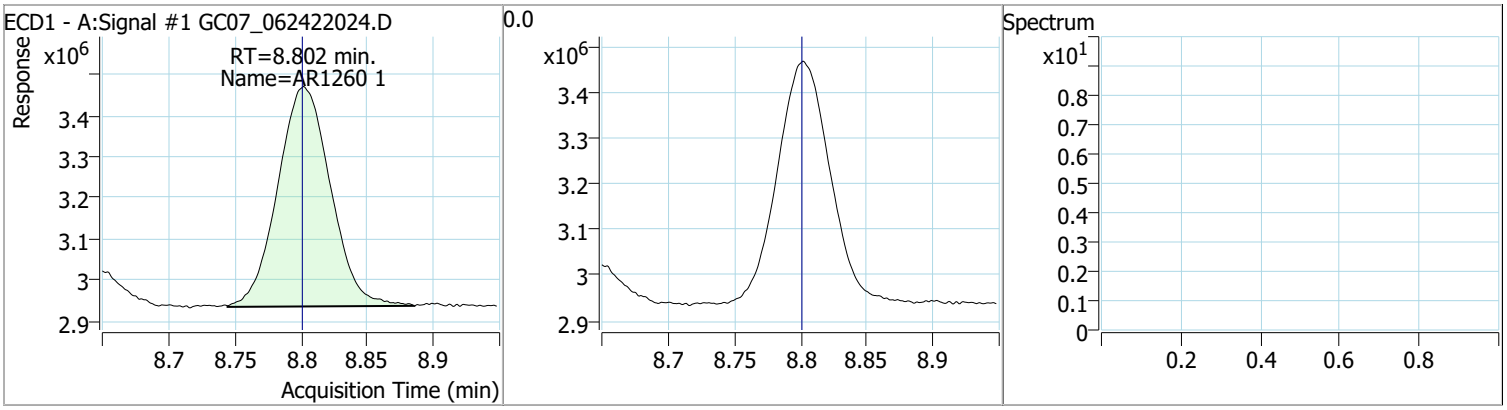
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	99.9900	7.09	0.00	207364				



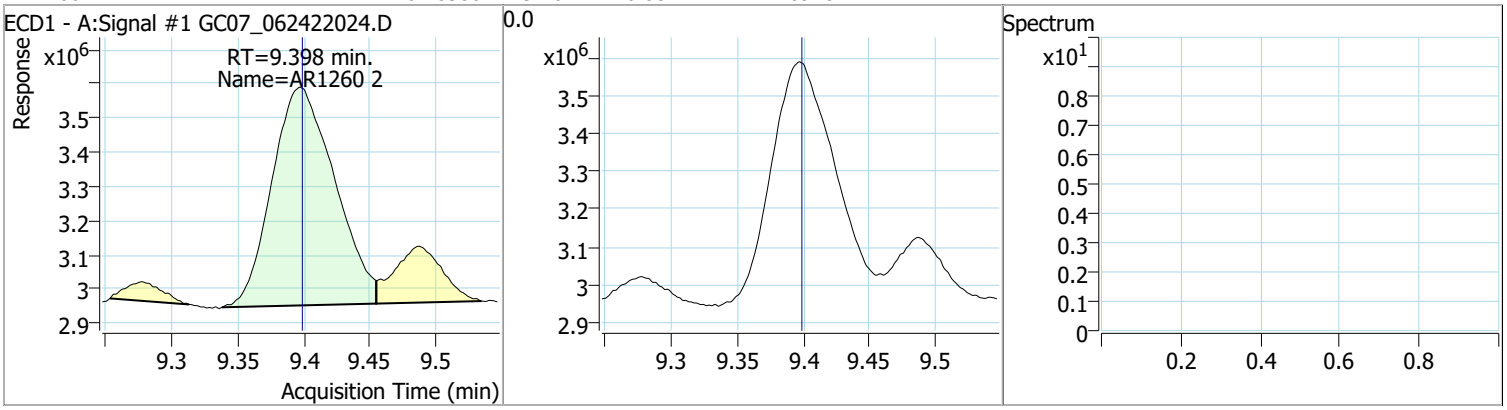
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	100.6866	7.81	0.00	174427				



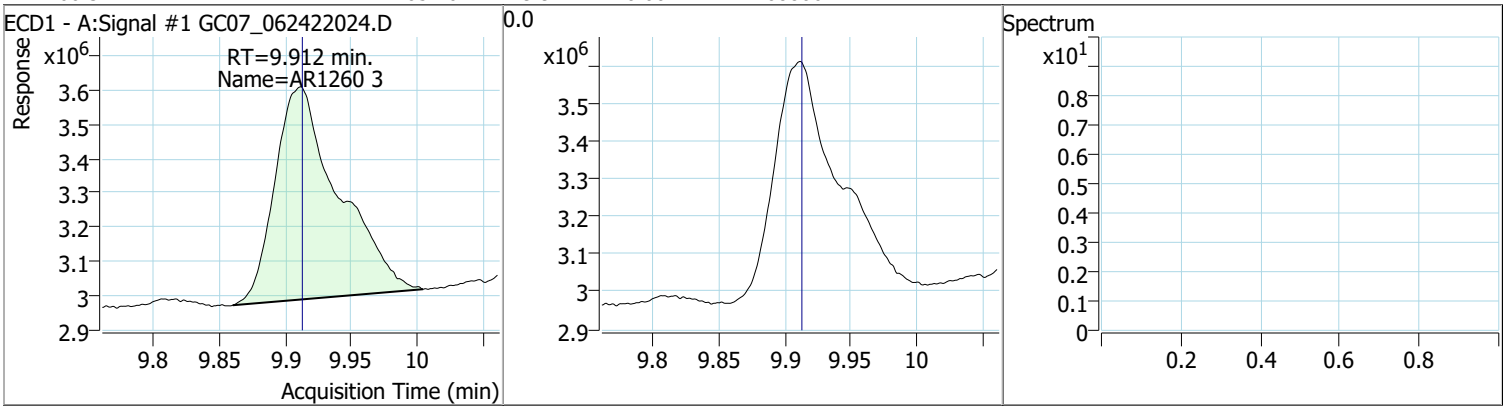
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	108.9338	8.80	0.00	1485444				



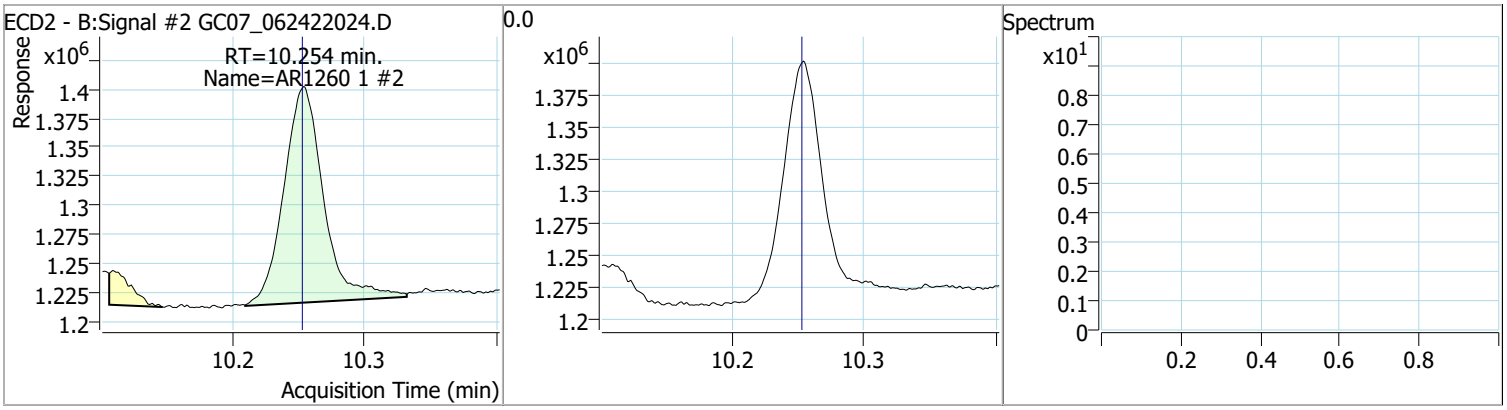
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	107.8380	9.40	0.00	2110918				



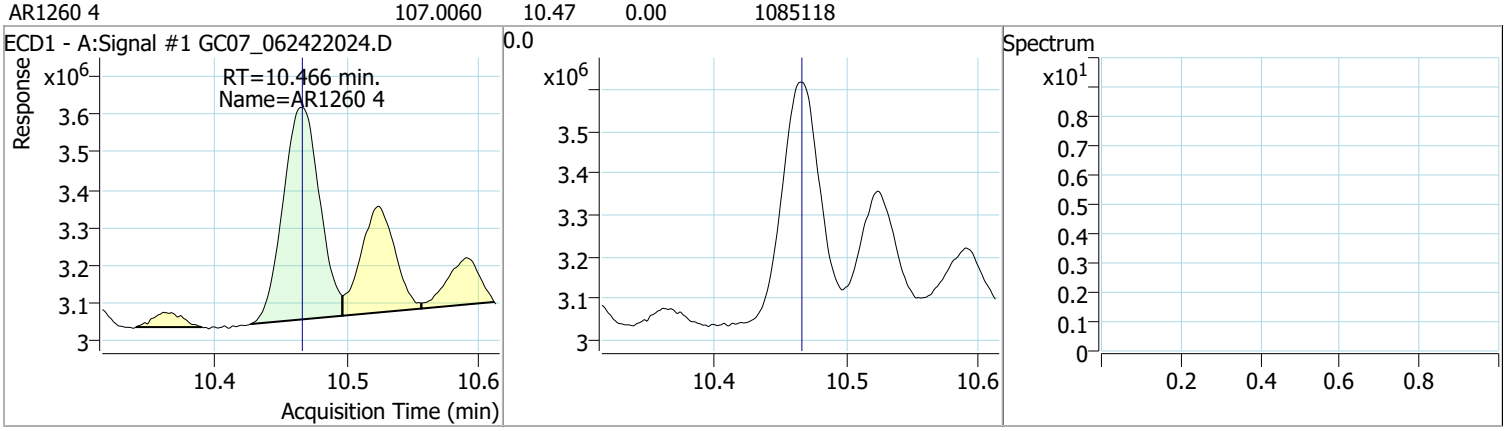
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	105.2624	9.91	0.00	2088067				



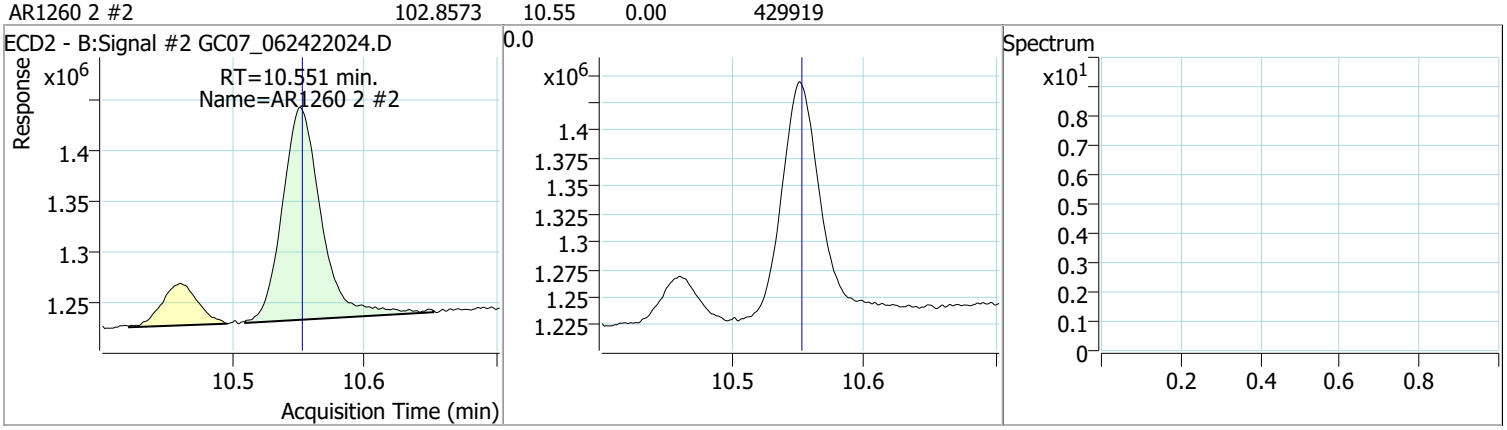
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	102.7941	10.25	0.00	386726				



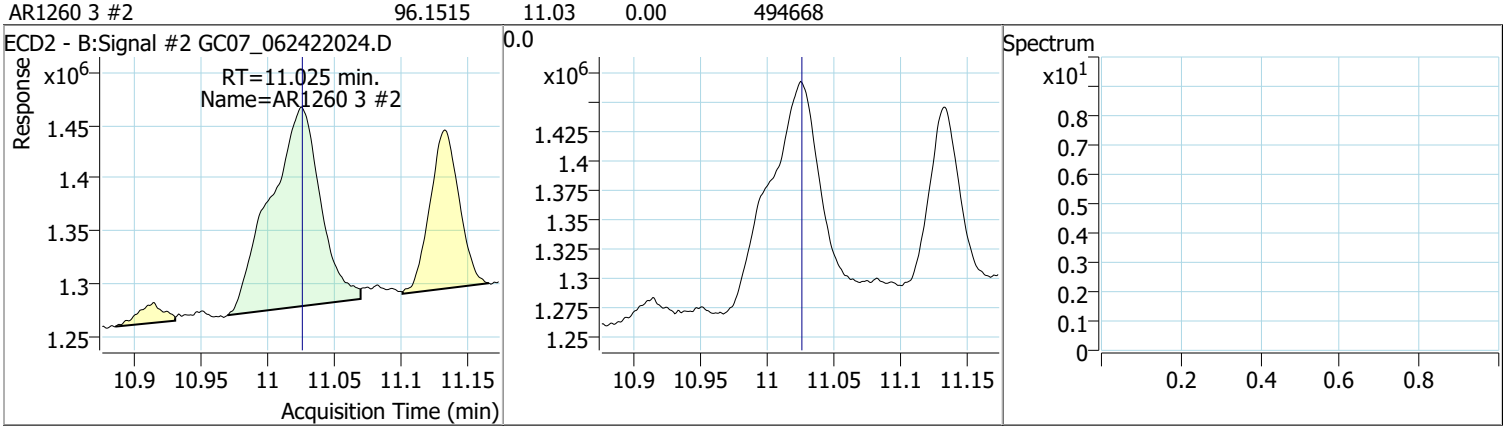
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	107.0060	10.47	0.00	1085118				



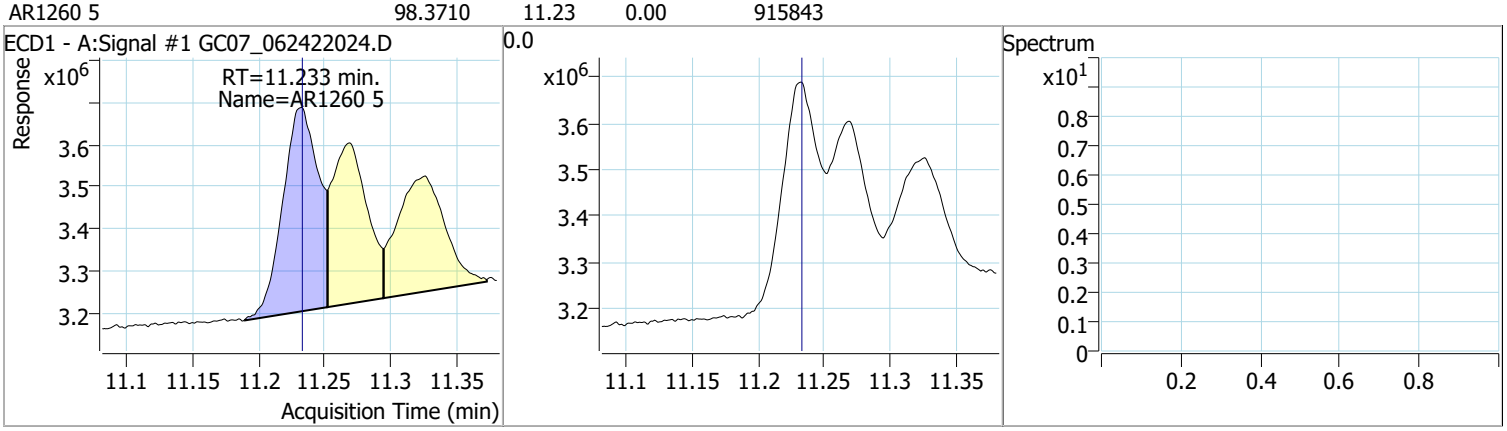
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	102.8573	10.55	0.00	429919				



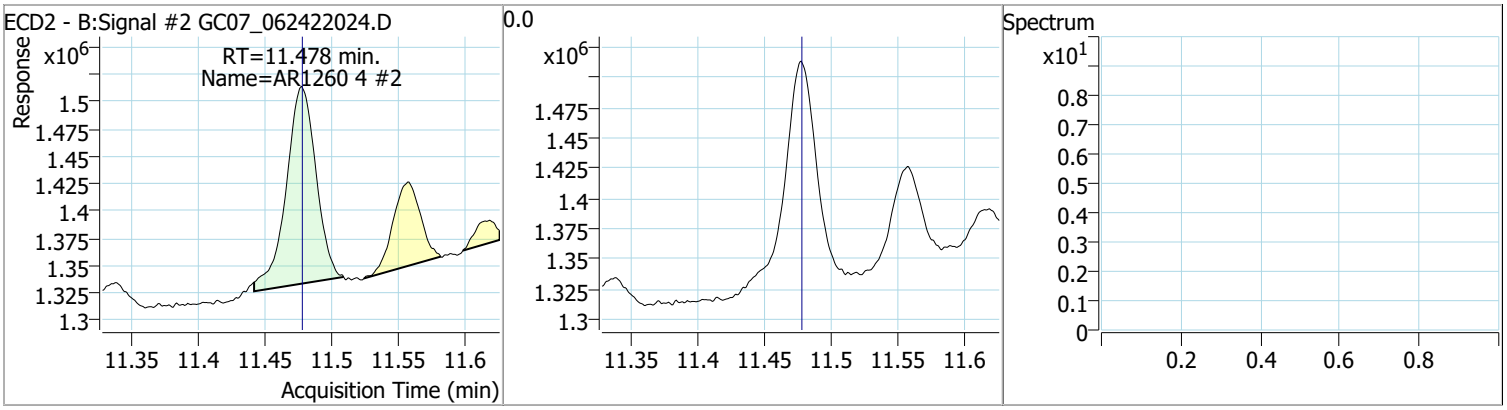
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	96.1515	11.03	0.00	494668				



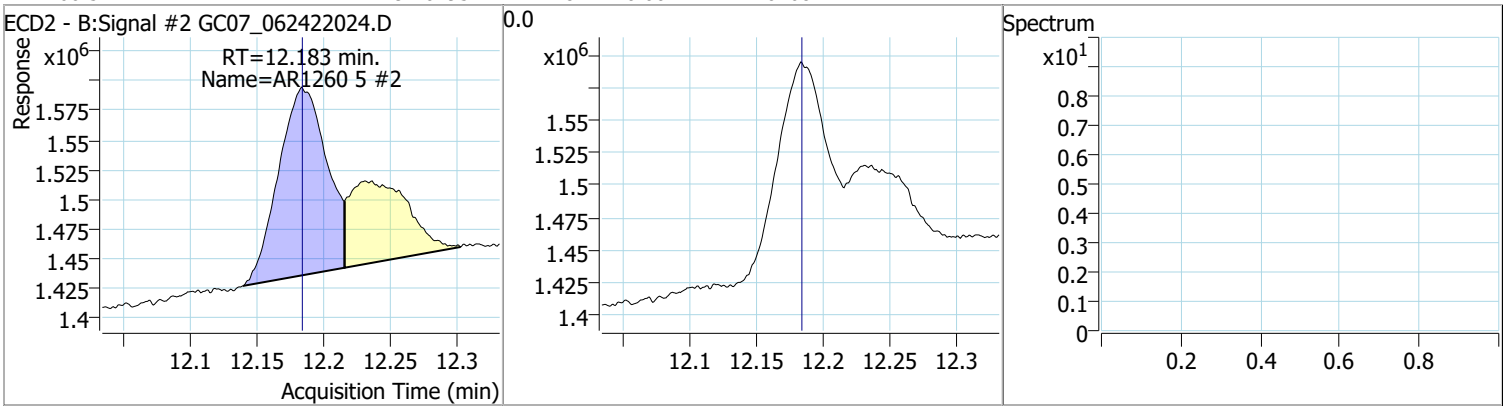
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	98.3710	11.23	0.00	915843				



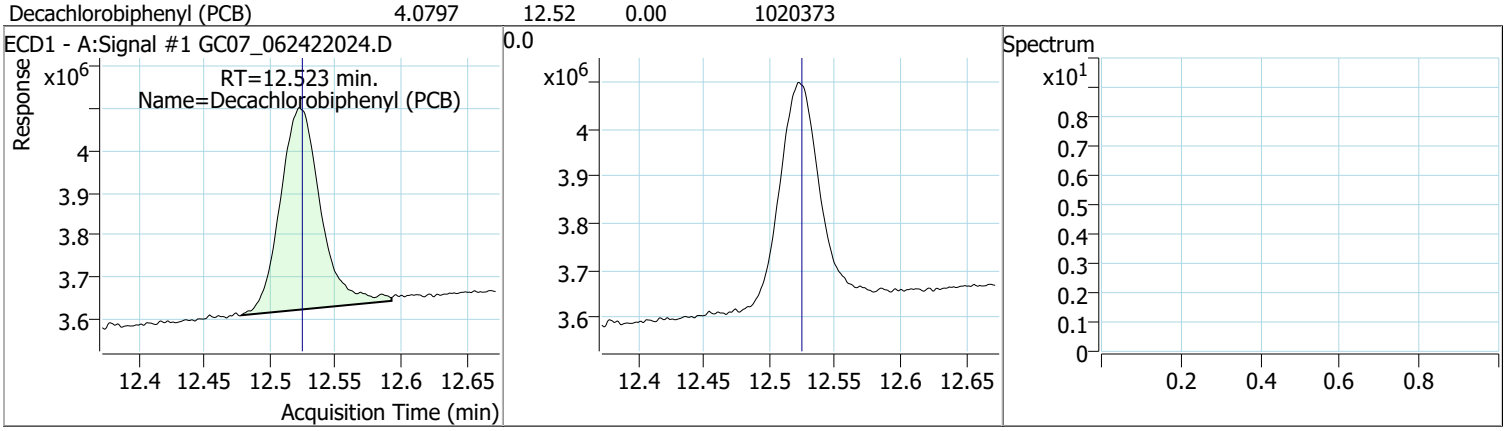
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	97.5818	11.48	0.00	281667				



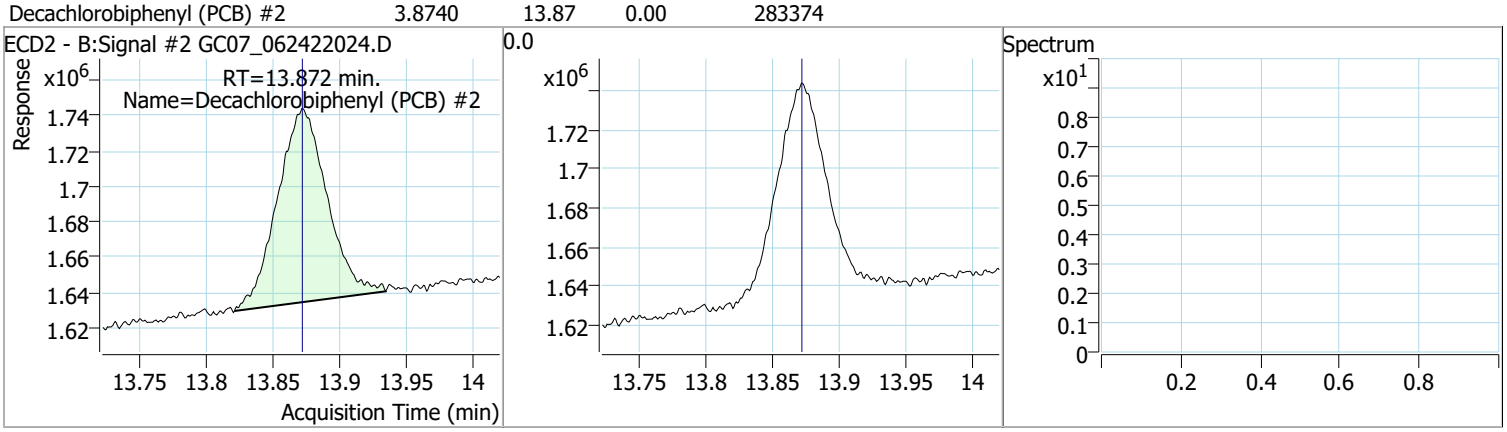
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	97.0795	12.18	0.00	402682				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	4.0797	12.52	0.00	1020373				

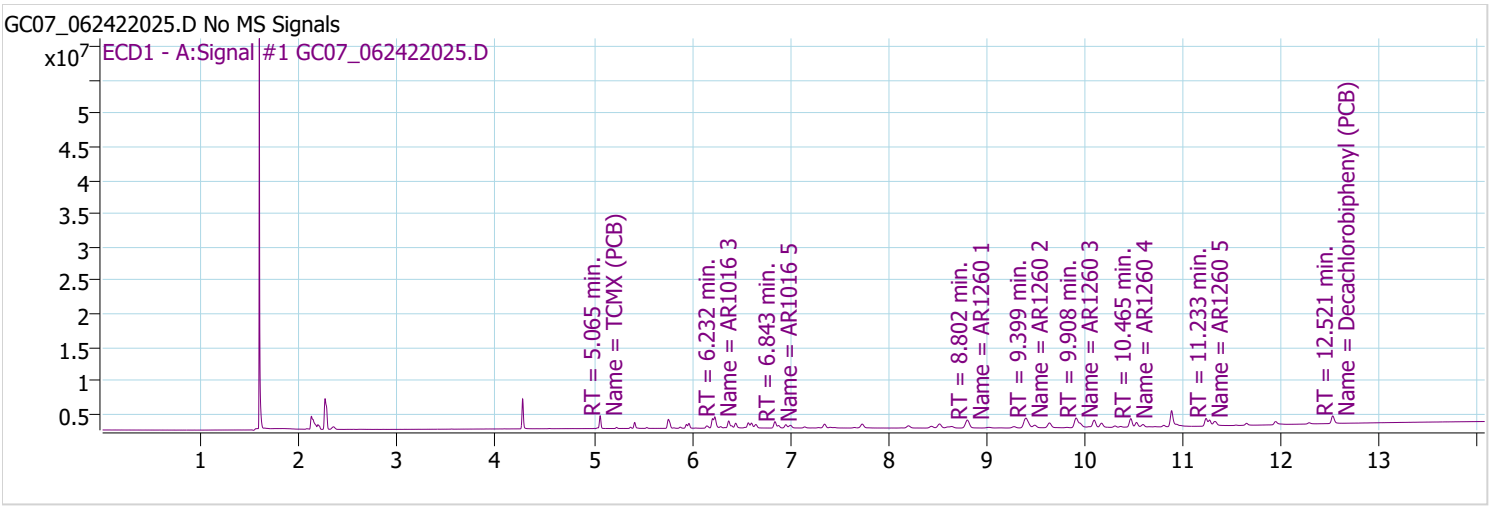


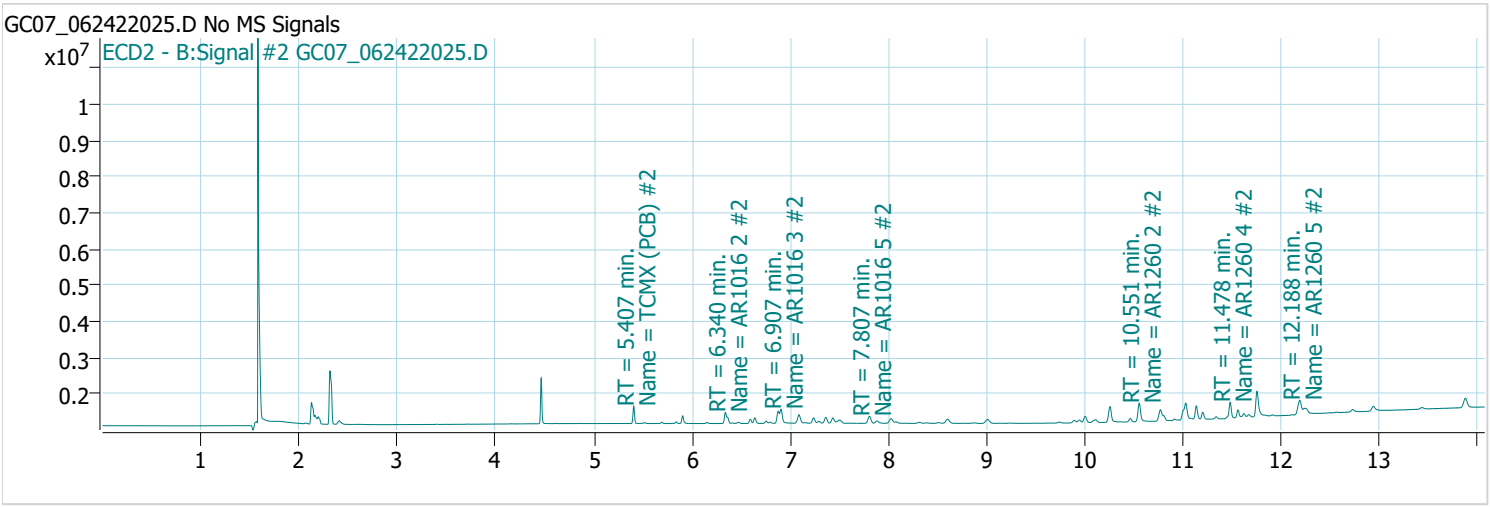
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	3.8740	13.87	0.00	283374				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422025.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 1:32:08 AM
Sample Name	ICAL, S16726, 8	Instrument	SVOA-GC07
Vial	14	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	250 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



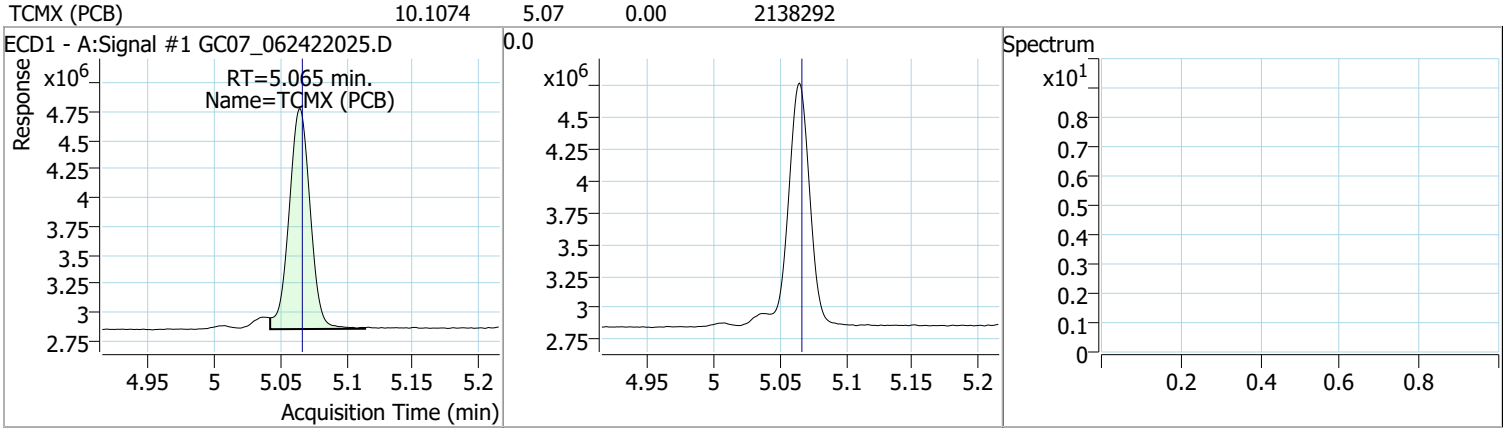


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.277	0.0	4485448.975	20.0000	ng/ml		0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.465	0.0	1179526.258	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.065	0.0	2138291.874	10.1074	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 50.54%			
S TCMX (PCB) #2	5.407	0.0	523555.279	9.7806	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 48.90%		*	
S Decachlorobiphenyl (PCB)	12.521	0.0	2447732.203	9.7689	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 48.84%		*	
S Decachlorobiphenyl (PCB) #2	13.872	0.0	698876.563	9.6222	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 48.11%		*	
Target Compounds							QValue
T AR1016 1	5.416	0.0	1078573.648	250.6460	ng/ml	m	100

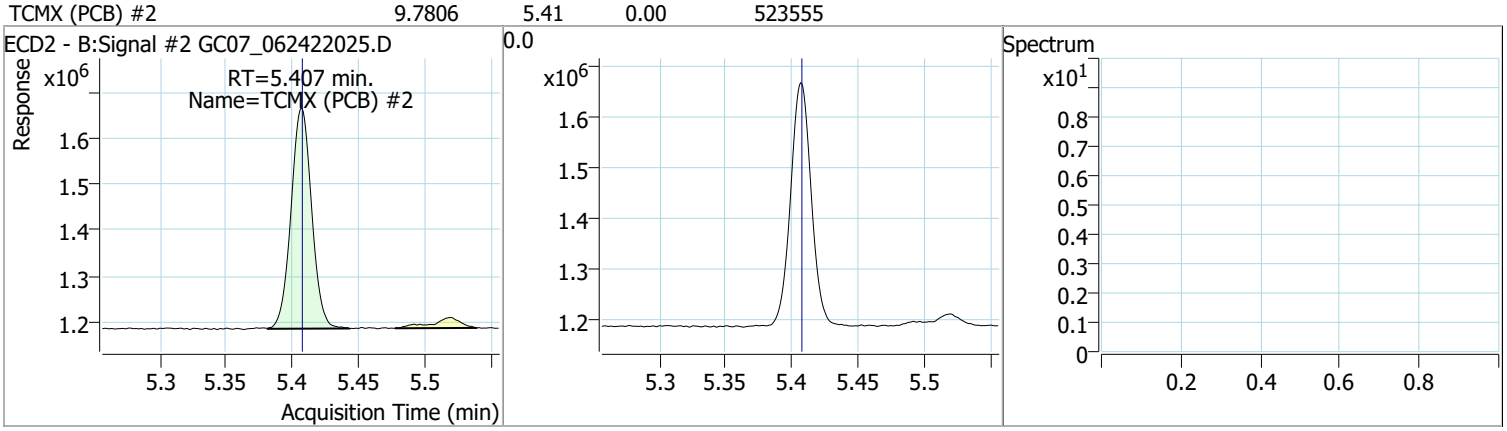
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.760	0.0	2410450.217	258.4552	ng/ml		100
T AR1016 1 #2	5.905	0.0	296542.047	249.6478	ng/ml		100
T AR1016 3	6.232	0.0	2621527.878	242.7381	ng/ml	m	100
T AR1016 2 #2	6.340	0.0	635021.073	245.5073	ng/ml		100
T AR1016 4	6.373	0.0	1952430.462	251.3988	ng/ml	m	100
T AR1016 5	6.843	0.0	1641918.732	253.8119	ng/ml		100
T AR1016 3 #2	6.907	0.0	705048.685	237.6321	ng/ml		100
T AR1016 4 #2	7.088	0.0	492036.073	238.9440	ng/ml		100
T AR1016 5 #2	7.807	0.0	413979.450	240.6654	ng/ml		100
T AR1260 1	8.802	0.0	3436520.896	251.5569	ng/ml		100
T AR1260 2	9.399	0.0	4842298.053	246.9236	ng/ml		100
T AR1260 3	9.908	0.0	4833210.812	243.2066	ng/ml		100
T AR1260 1 #2	10.254	0.0	909894.476	243.5747	ng/ml		100
T AR1260 4	10.465	0.0	2495136.099	245.6043	ng/ml		100
T AR1260 2 #2	10.551	0.0	1029646.159	248.0916	ng/ml		100
T AR1260 3 #2	11.025	0.0	1246365.279	243.9850	ng/ml		100
T AR1260 5	11.233	0.0	2109055.304	226.1231	ng/ml		100
T AR1260 4 #2	11.478	0.0	689677.964	240.6325	ng/ml		100
T AR1260 5 #2	12.188	0.0	976159.900	237.0076	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

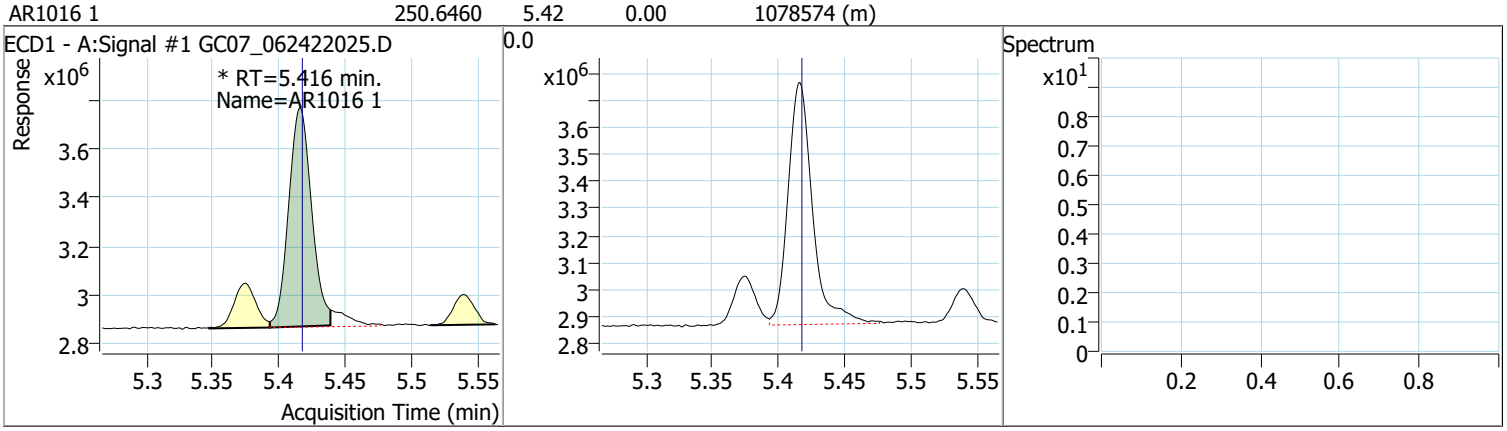
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	10.1074	5.07	0.00	2138292				



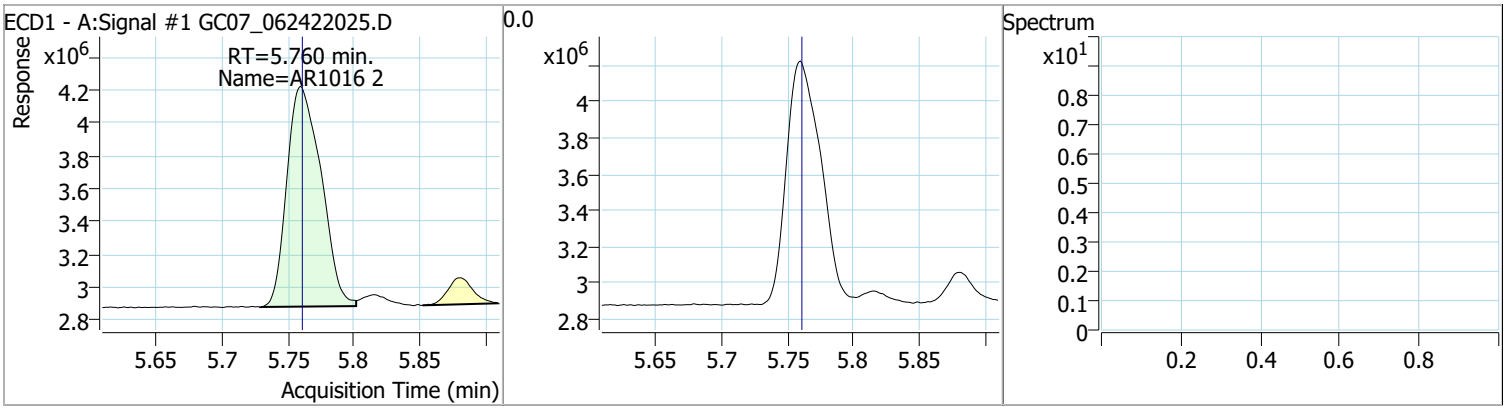
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	9.7806	5.41	0.00	523555				



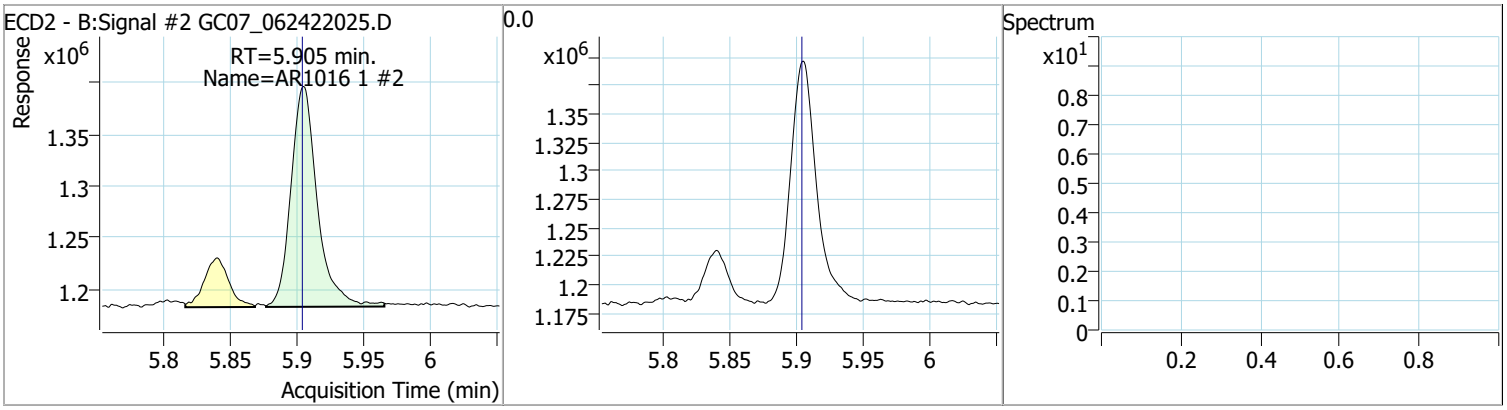
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	250.6460	5.42	0.00	1078574 (m)				



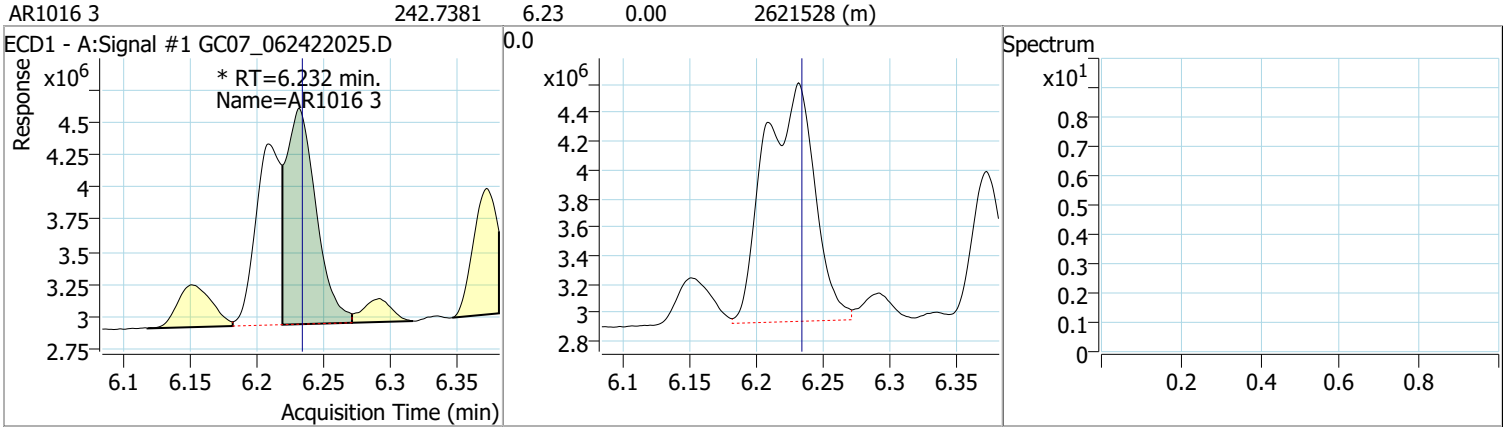
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	258.4552	5.76	0.00	2410450				



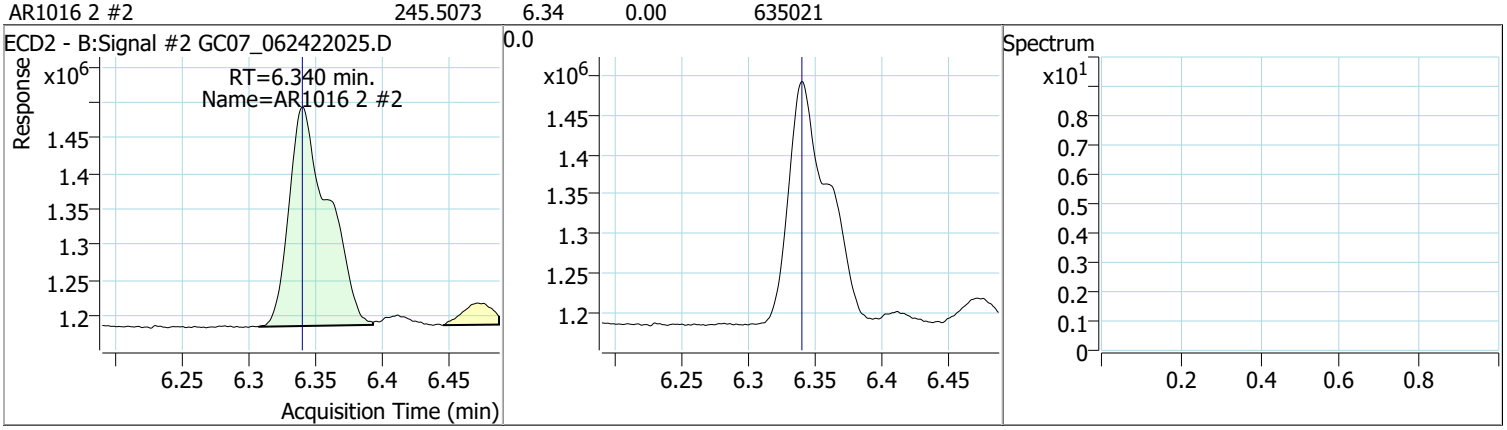
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	249.6478	5.91	0.00	296542				



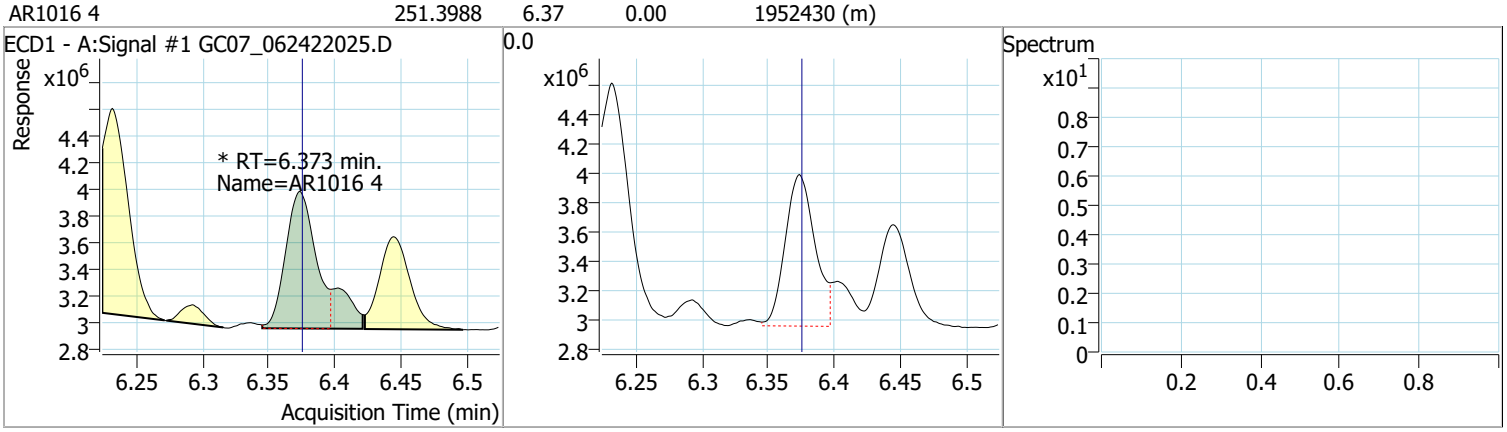
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	242.7381	6.23	0.00	2621528 (m)				



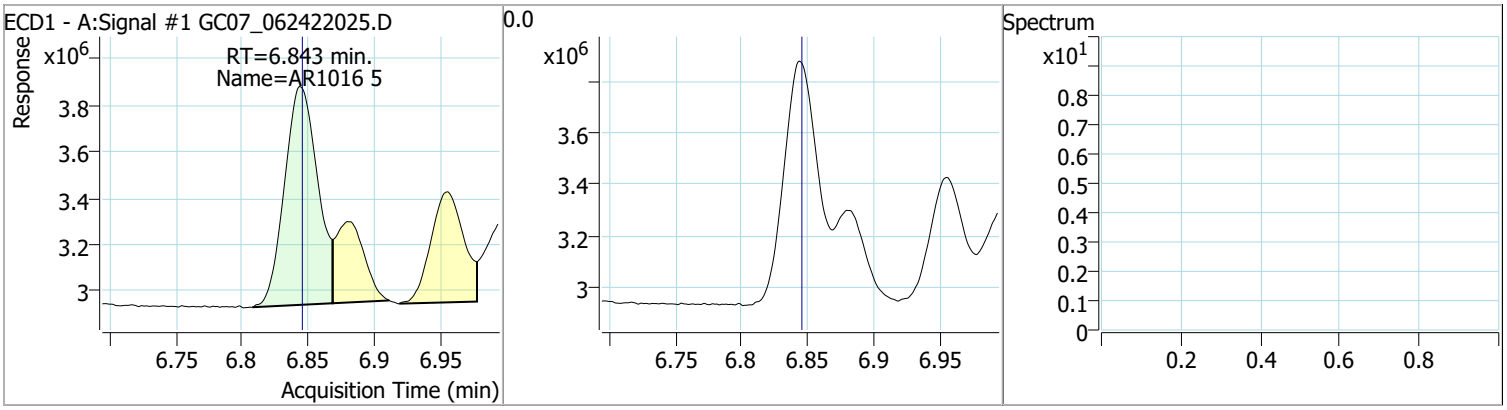
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	245.5073	6.34	0.00	635021				



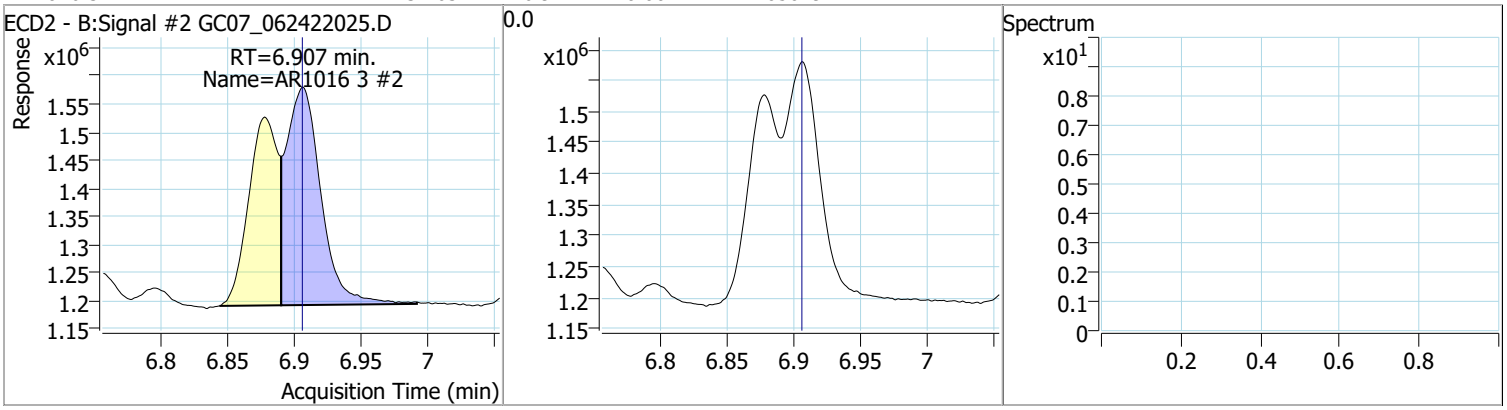
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	251.3988	6.37	0.00	1952430 (m)				



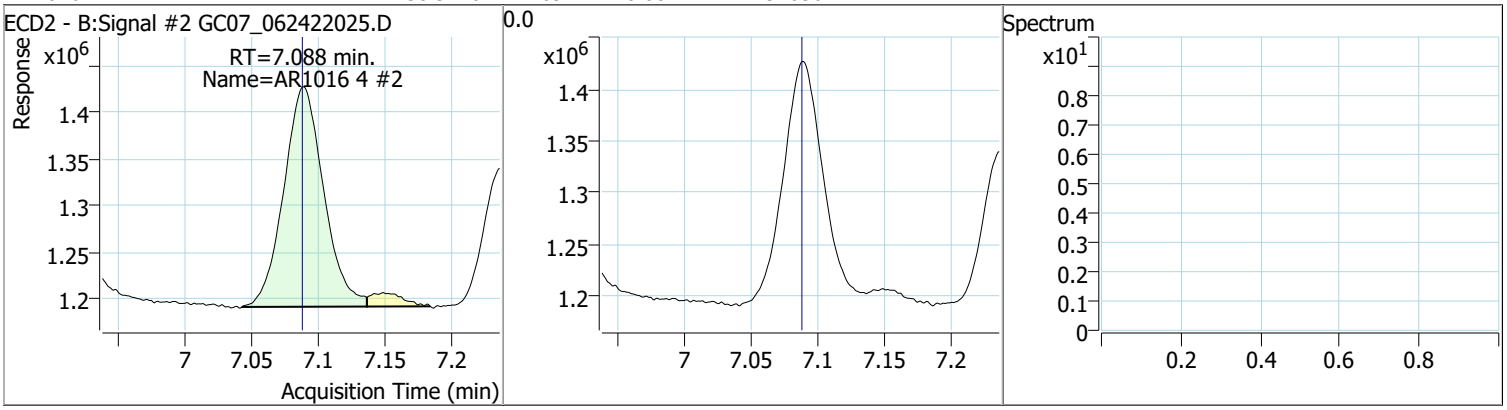
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	253.8119	6.84	0.00	1641919				



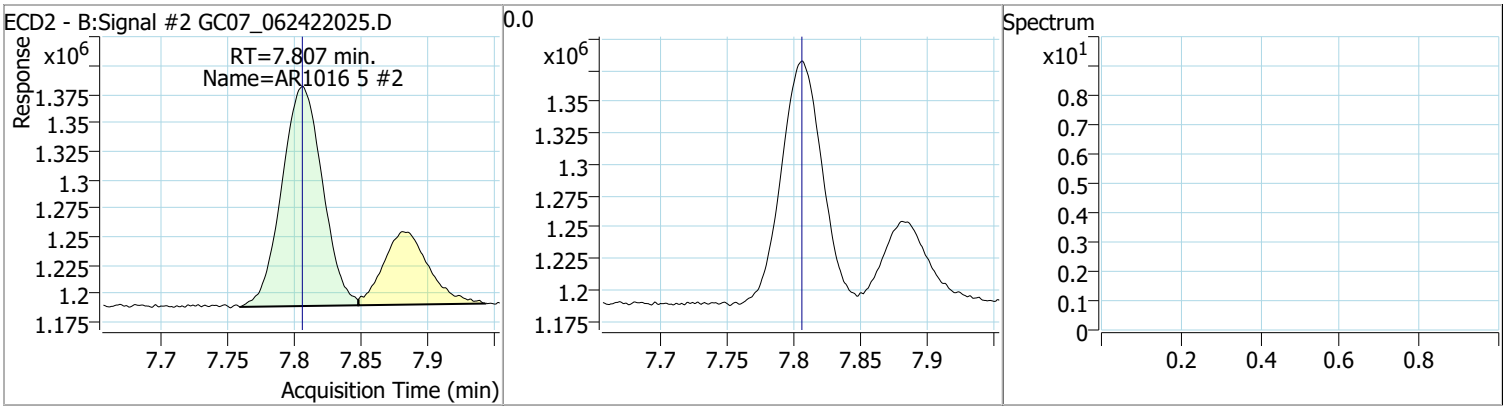
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	237.6321	6.91	0.00	705049				



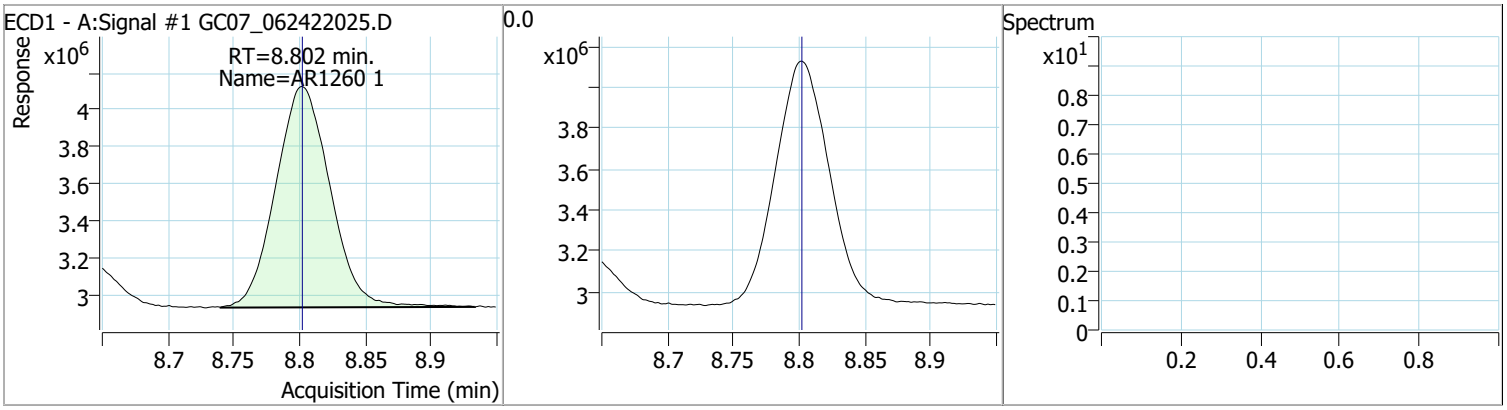
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	238.9440	7.09	0.00	492036				



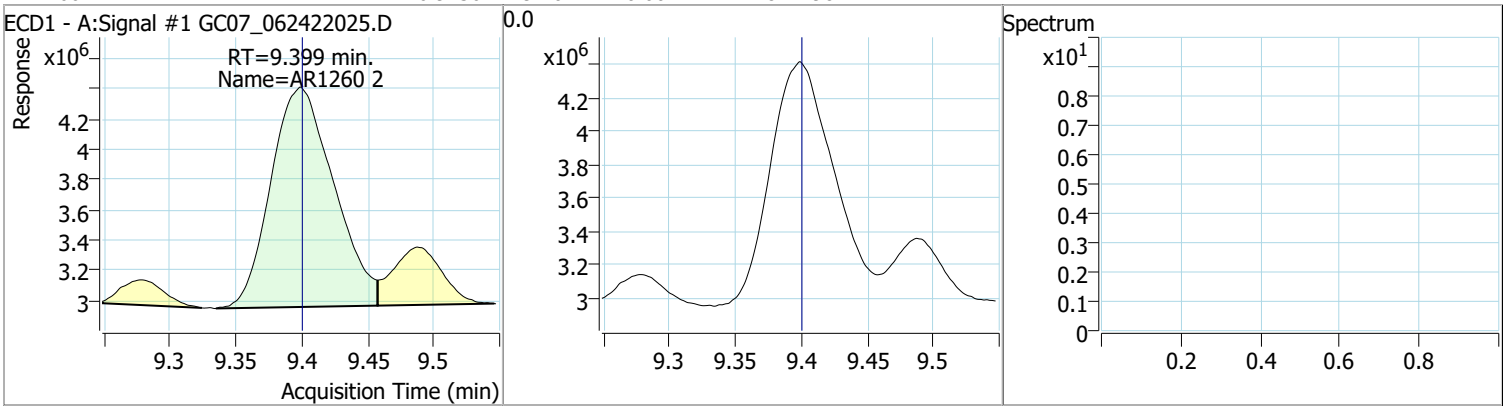
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	240.6654	7.81	0.00	413979				



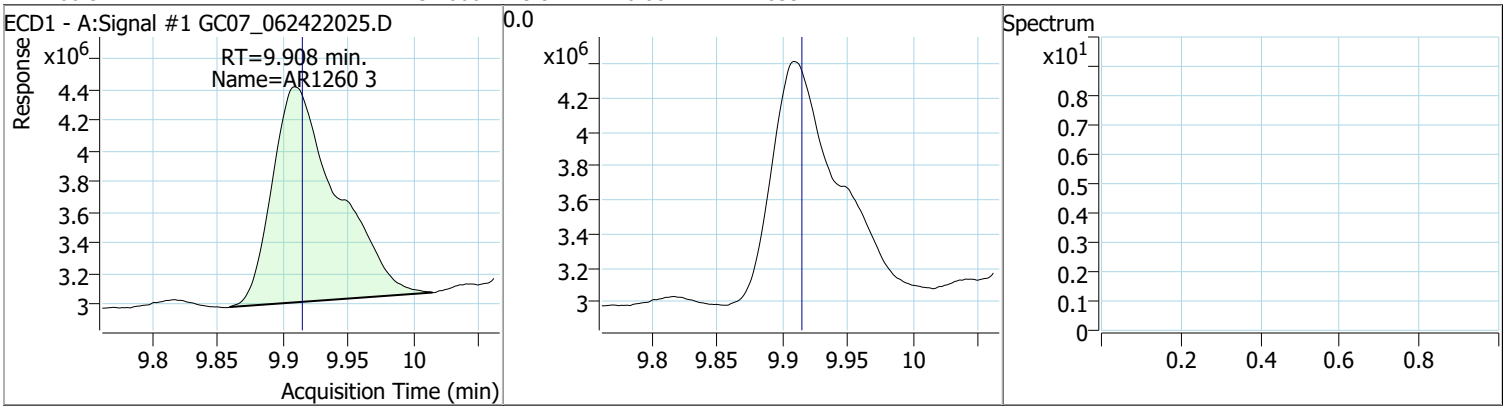
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	251.5569	8.80	0.00	3436521				



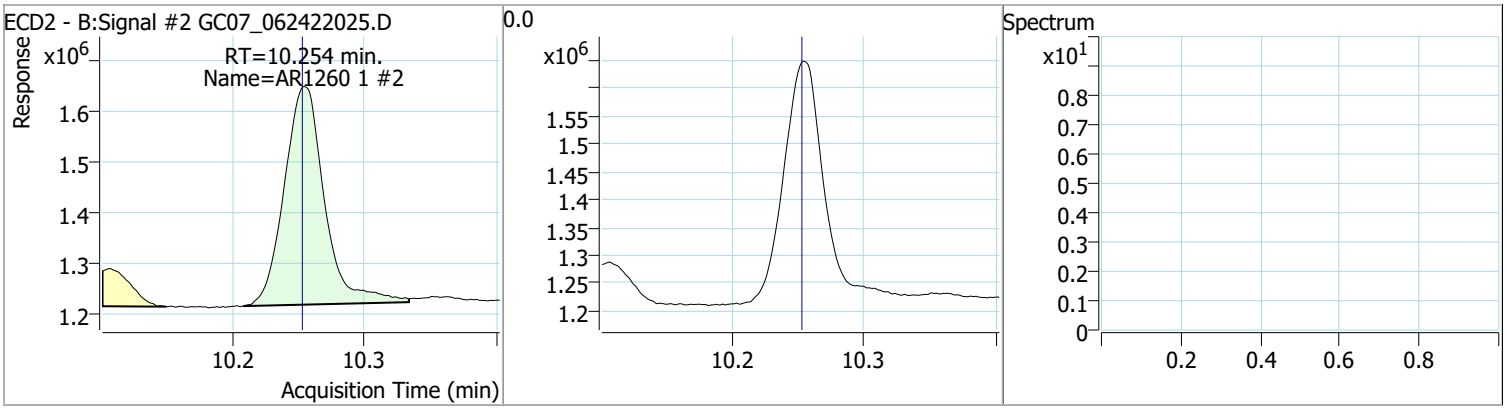
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	246.9236	9.40	0.00	4842298				



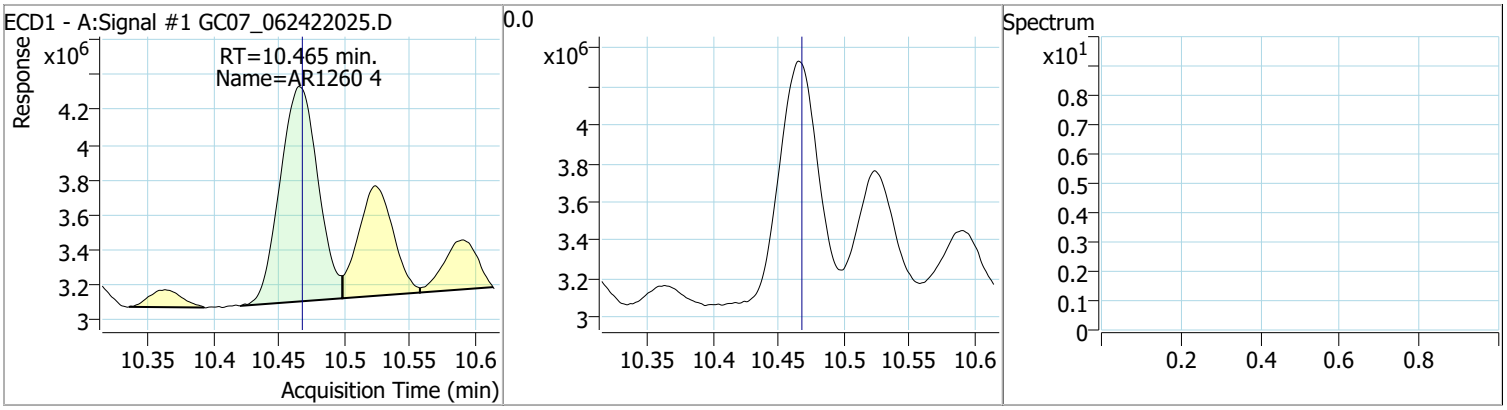
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	243.2066	9.91	0.00	4833211				



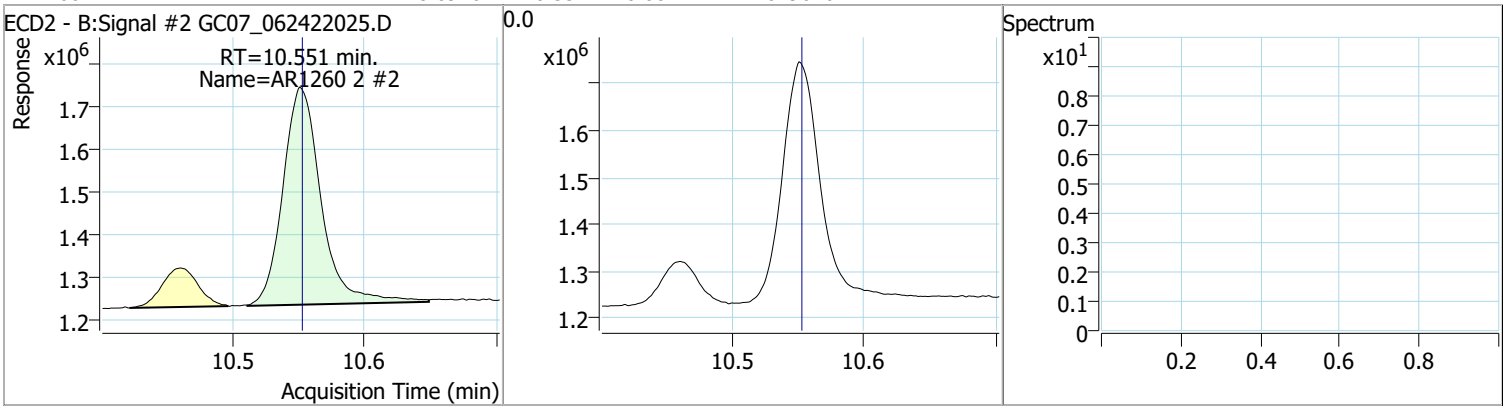
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	243.5747	10.25	0.00	909894				



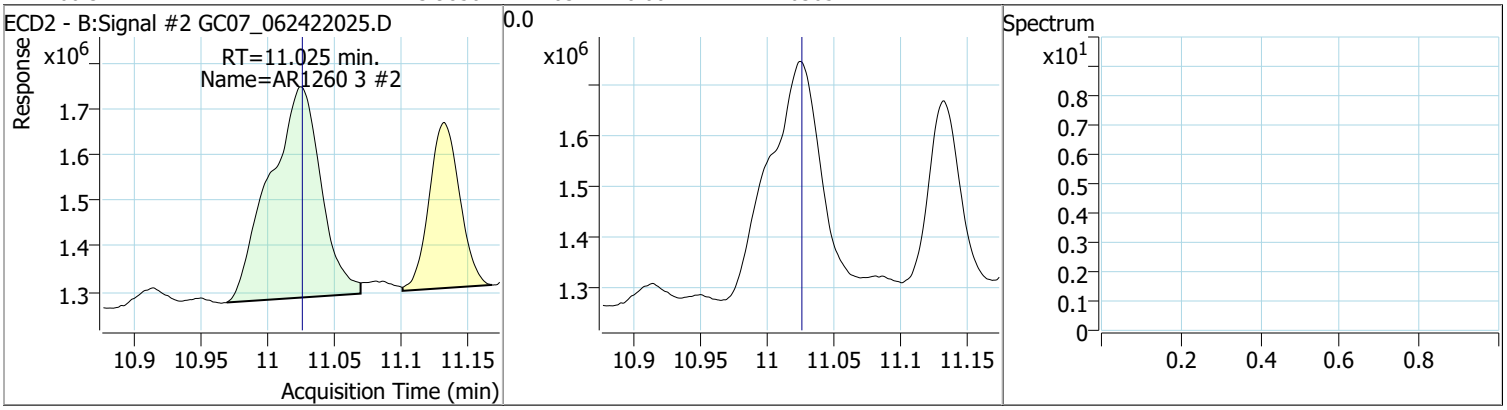
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	245.6043	10.47	0.00	2495136				



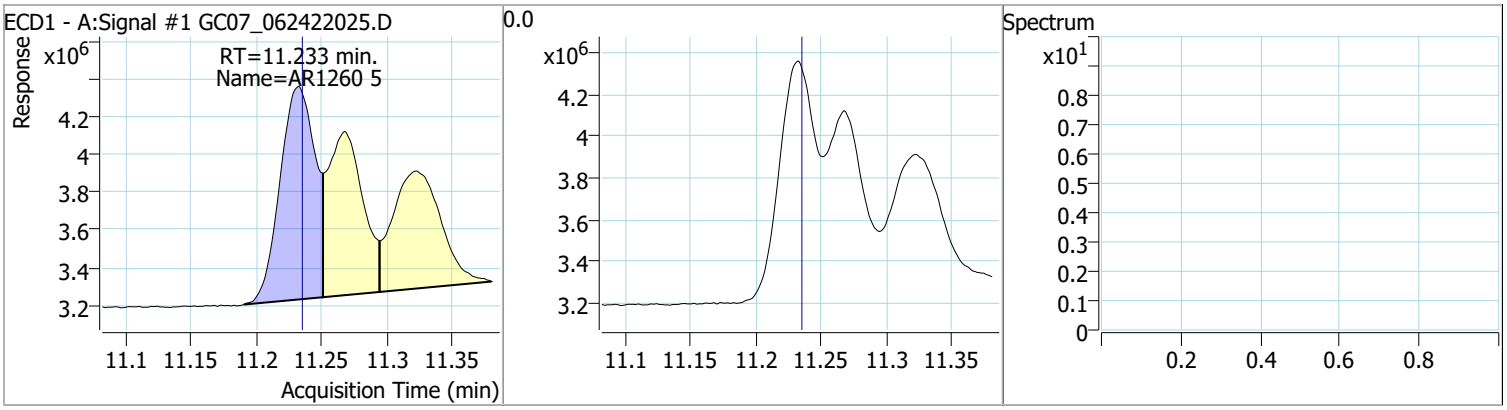
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	248.0916	10.55	0.00	1029646				



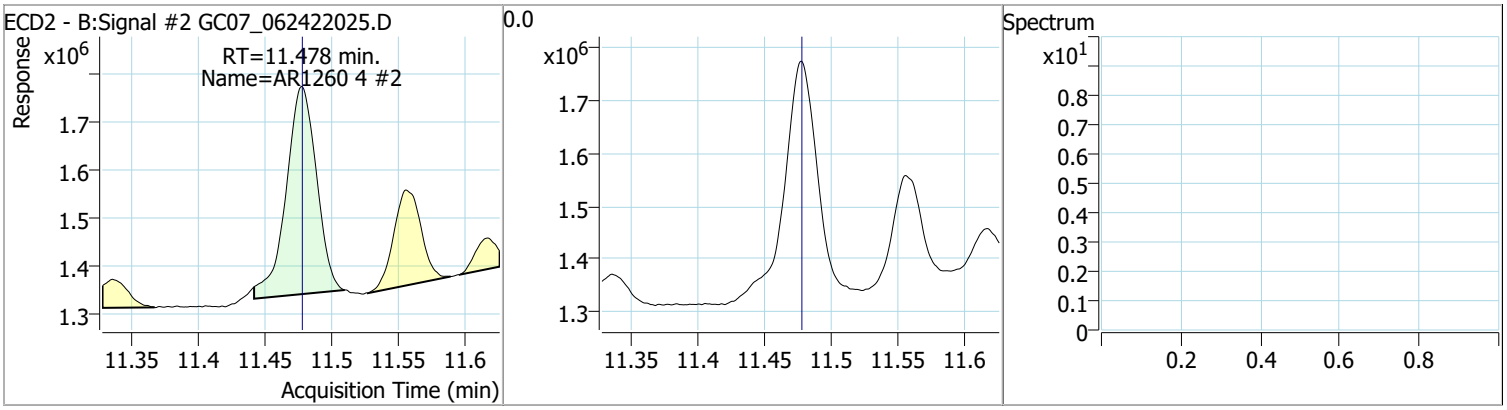
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	243.9850	11.03	0.00	1246365				



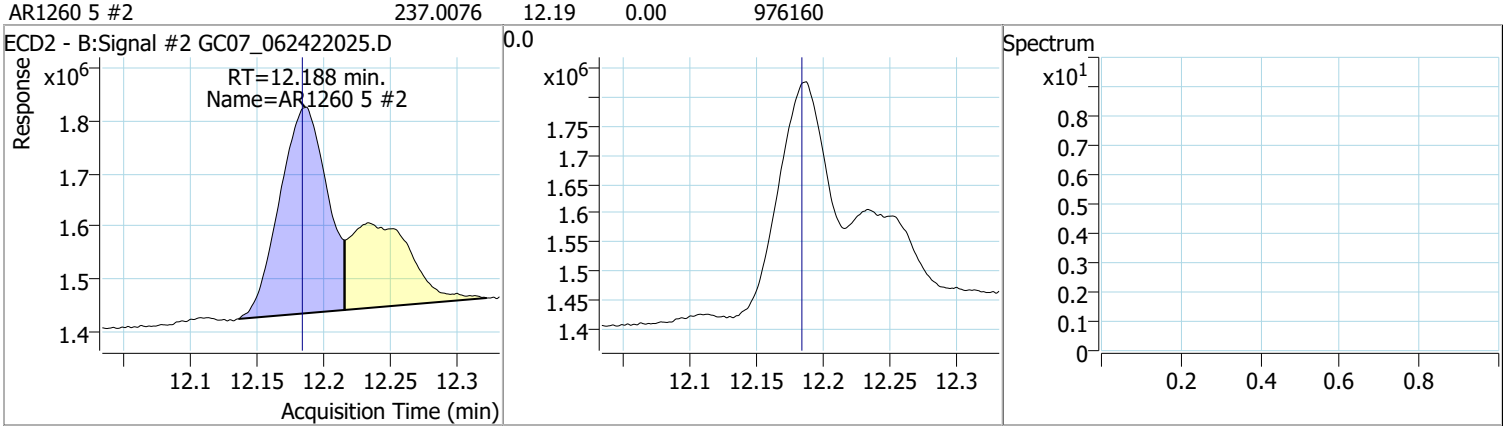
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	226.1231	11.23	0.00	2109055				



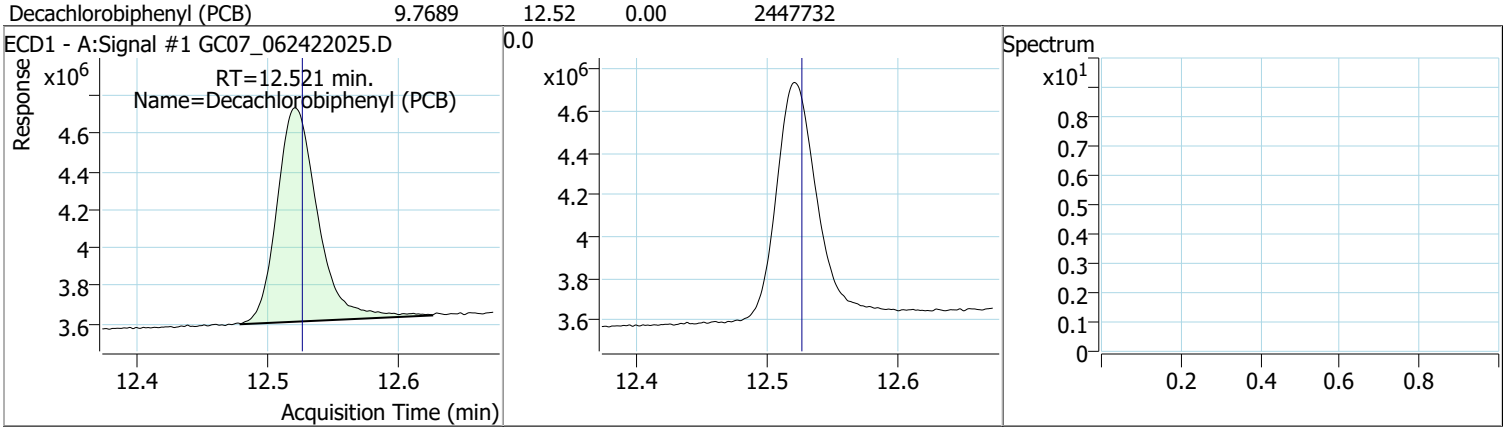
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	240.6325	11.48	0.00	689678				



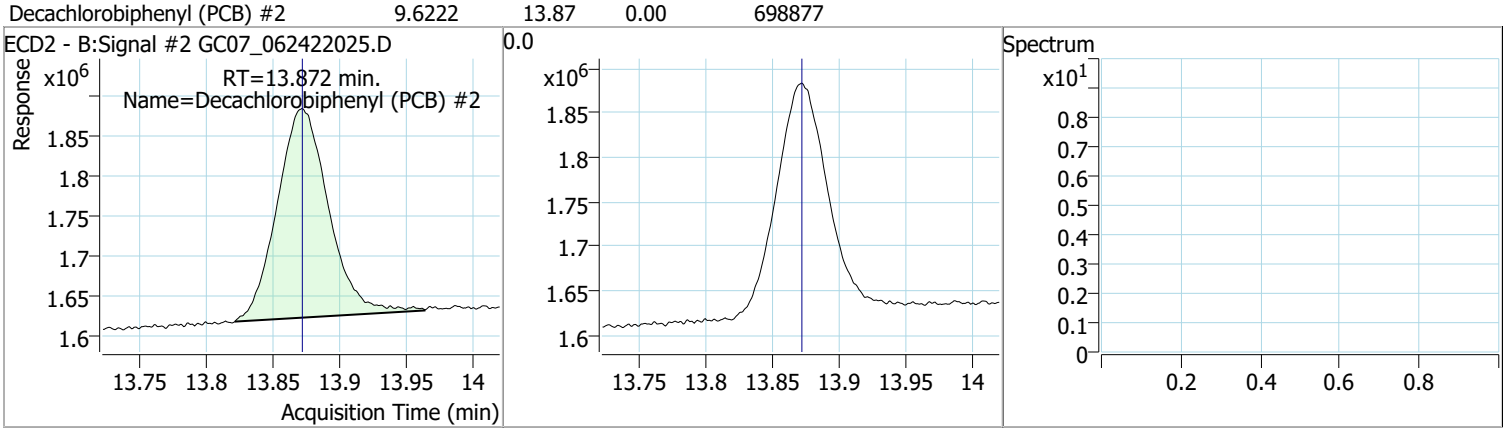
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	237.0076	12.19	0.00	976160				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	9.7689	12.52	0.00	2447732				

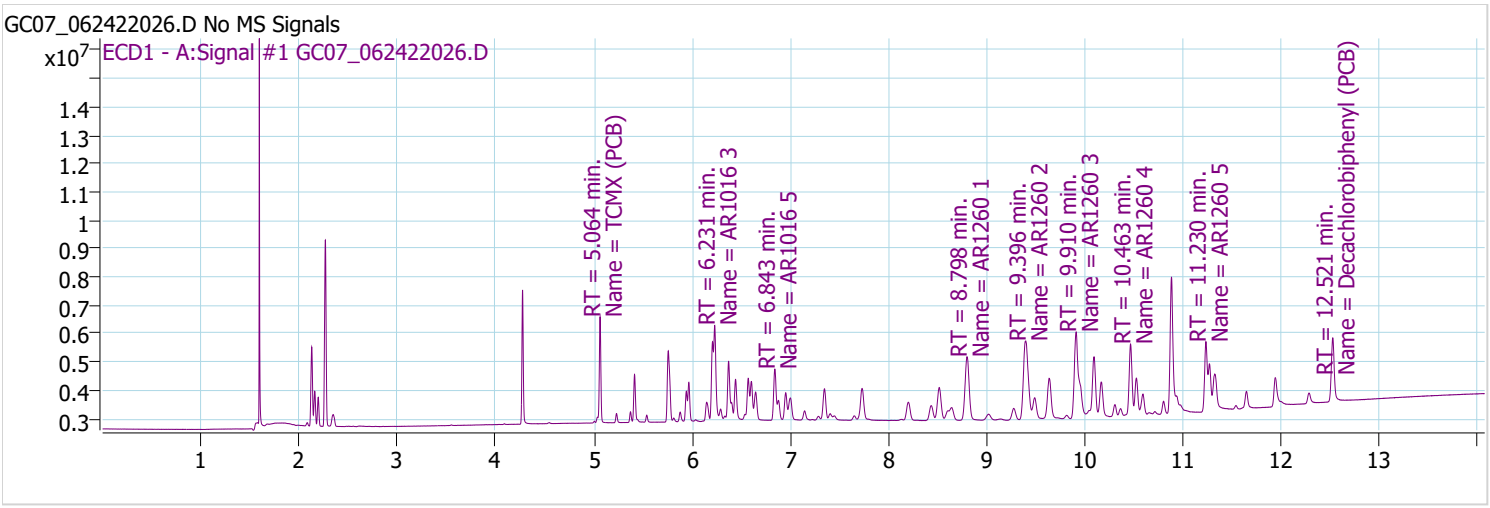


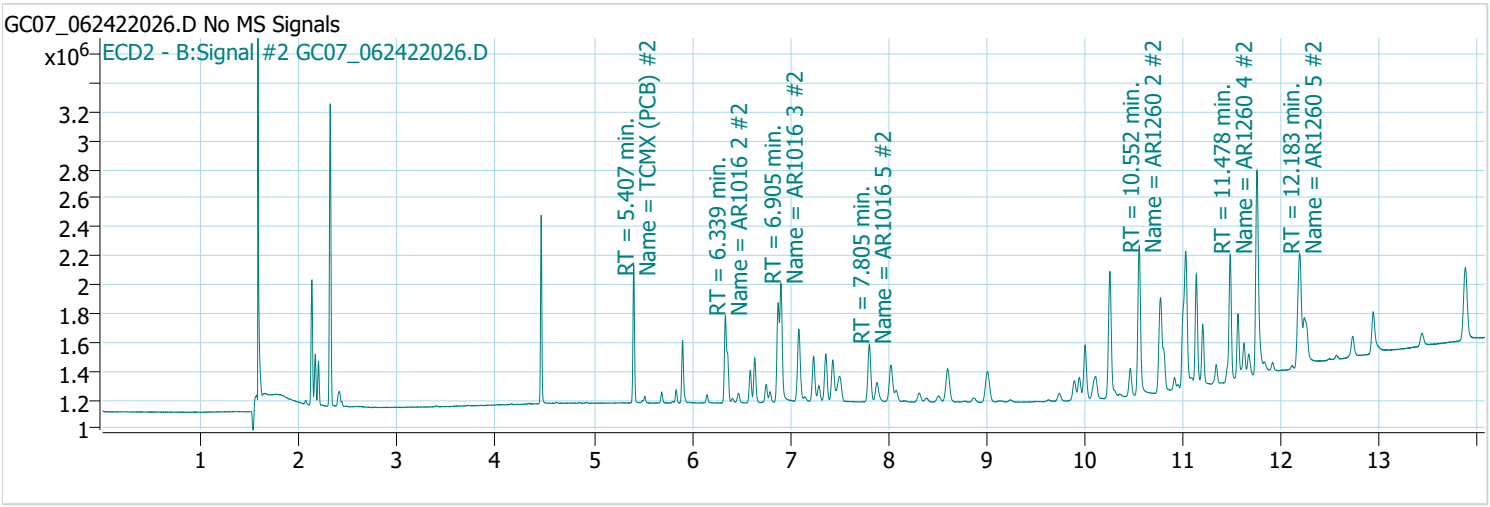
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	9.6222	13.87	0.00	698877				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422026.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 1:49:37 AM
Sample Name	ICAL, S16726, 4	Instrument	SVOA-GC07
Vial	15	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



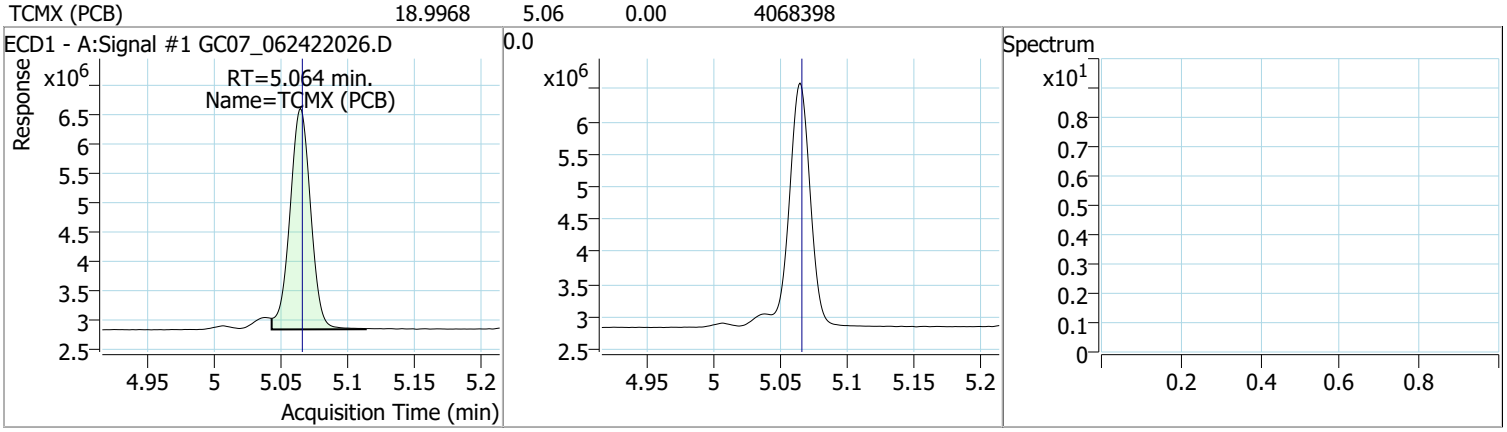


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.275	0.0	4540693.300	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.465	0.0	1187184.970	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.064	0.0	4068398.326	18.9968	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 94.98%		
S TCMX (PCB) #2	5.407	0.0	1061657.676	19.7050	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 98.52%		
S Decachlorobiphenyl (PCB)	12.521	0.0	4750520.056	18.7287	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 93.64%		
S Decachlorobiphenyl (PCB) #2	13.871	0.0	1358406.947	18.5821	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 92.91%		
Target Compounds						QValue

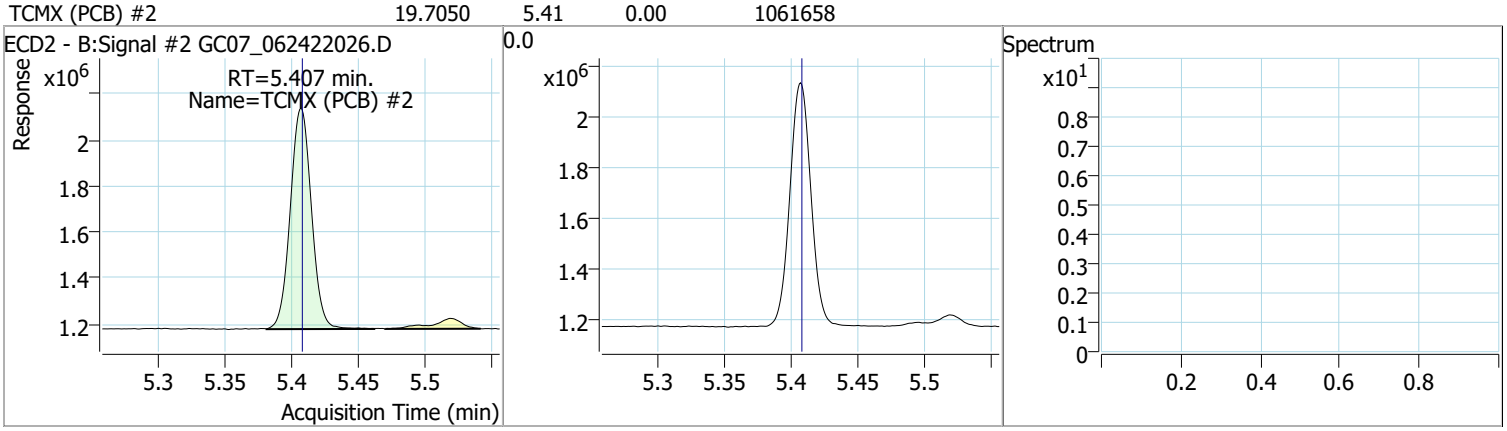
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.415	0.0	2181077.730	500.6865	ng/ml	m	100
T AR1016 2	5.758	0.0	4479111.074	474.4196	ng/ml		100
T AR1016 1 #2	5.903	0.0	577162.498	482.7572	ng/ml		100
T AR1016 3	6.231	0.0	5152757.064	471.3103	ng/ml		100
T AR1016 2 #2	6.339	0.0	1274235.221	489.4577	ng/ml		100
T AR1016 4	6.372	0.0	3772165.796	479.8021	ng/ml	m	100
T AR1016 5	6.843	0.0	3140346.738	479.5366	ng/ml		100
T AR1016 3 #2	6.905	0.0	1433477.993	480.0277	ng/ml		100
T AR1016 4 #2	7.088	0.0	997642.137	481.3524	ng/ml		100
T AR1016 5 #2	7.805	0.0	831109.616	480.0454	ng/ml		100
T AR1260 1	8.798	0.0	6580851.112	475.8643	ng/ml		100
T AR1260 2	9.396	0.0	9518154.550	479.4548	ng/ml		100
T AR1260 3	9.910	0.0	9630305.007	478.7001	ng/ml		100
T AR1260 1 #2	10.253	0.0	1836314.904	488.4021	ng/ml		100
T AR1260 4	10.463	0.0	4888050.985	475.2929	ng/ml		100
T AR1260 2 #2	10.552	0.0	2042124.120	488.8724	ng/ml		100
T AR1260 3 #2	11.025	0.0	2599120.827	505.5144	ng/ml		100
T AR1260 5	11.230	0.0	4589366.652	486.0640	ng/ml		100
T AR1260 4 #2	11.478	0.0	1366676.357	473.7649	ng/ml		100
T AR1260 5 #2	12.183	0.0	2021544.801	487.6564	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

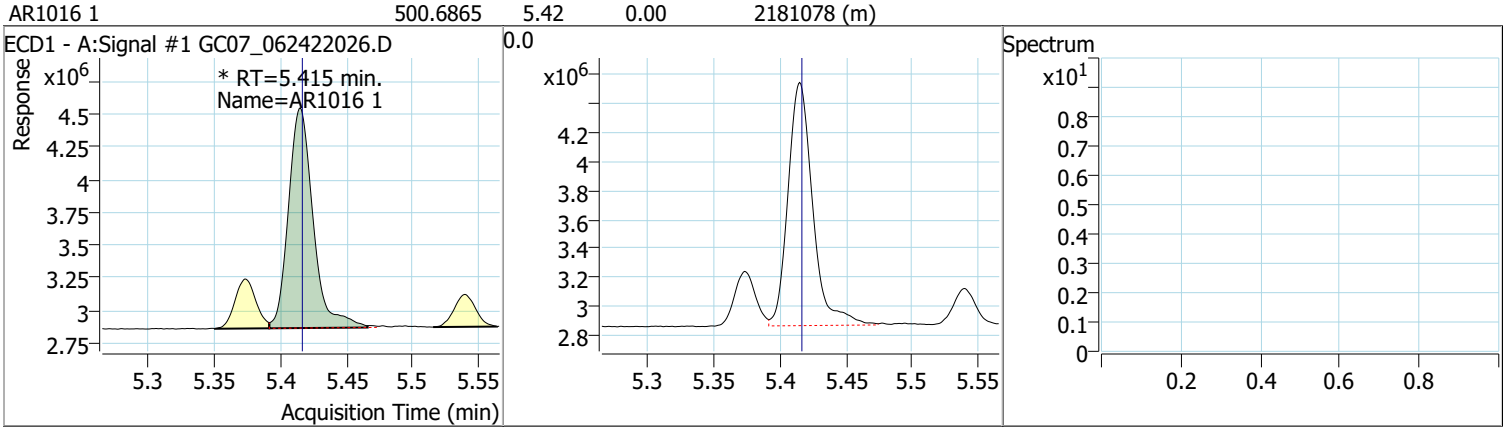
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	18.9968	5.06	0.00	4068398				



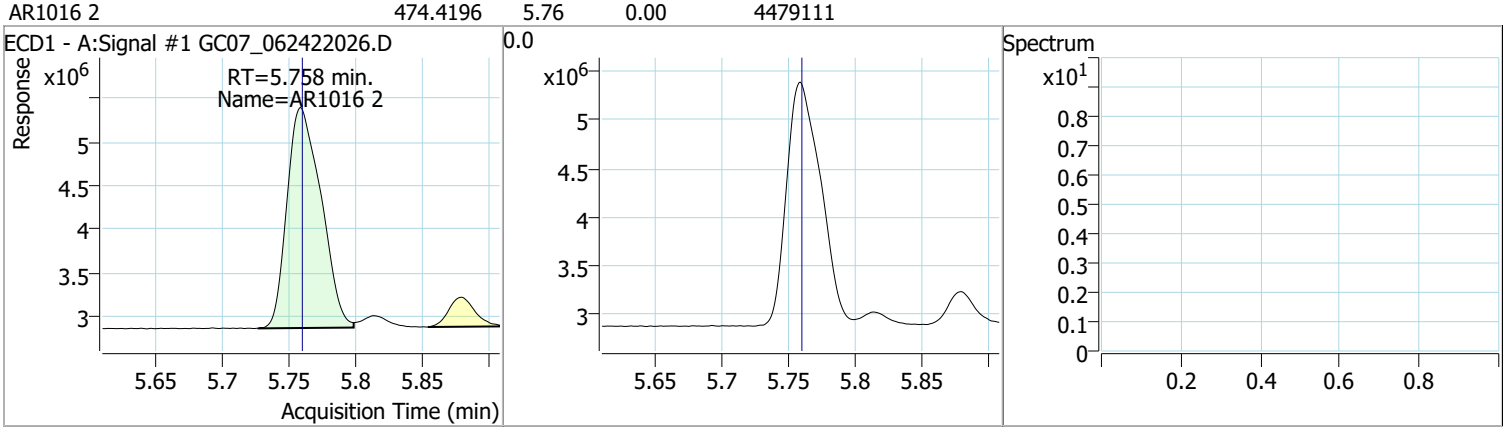
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	19.7050	5.41	0.00	1061658				



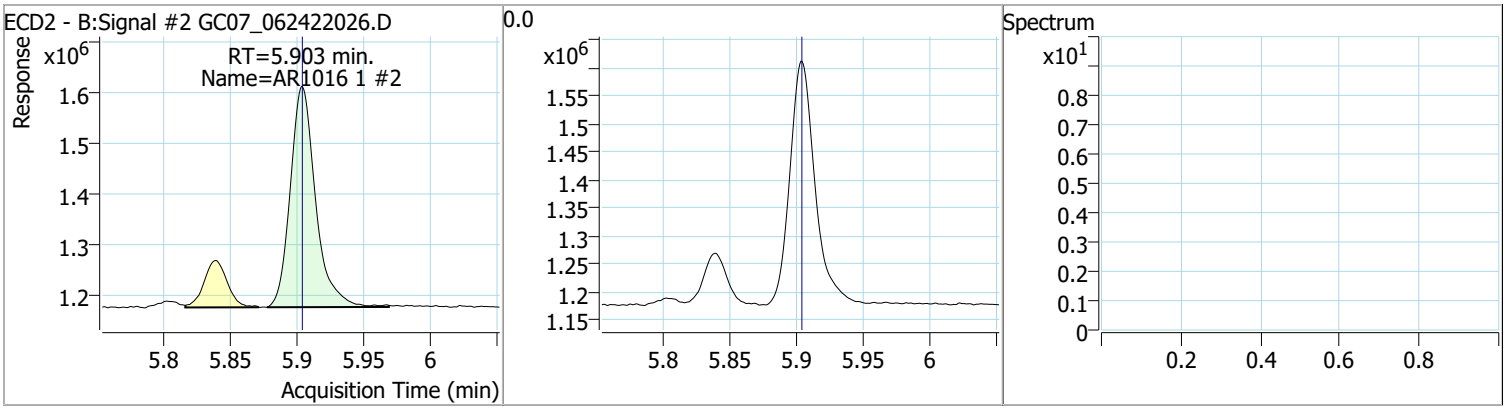
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	500.6865	5.42	0.00	2181078 (m)				



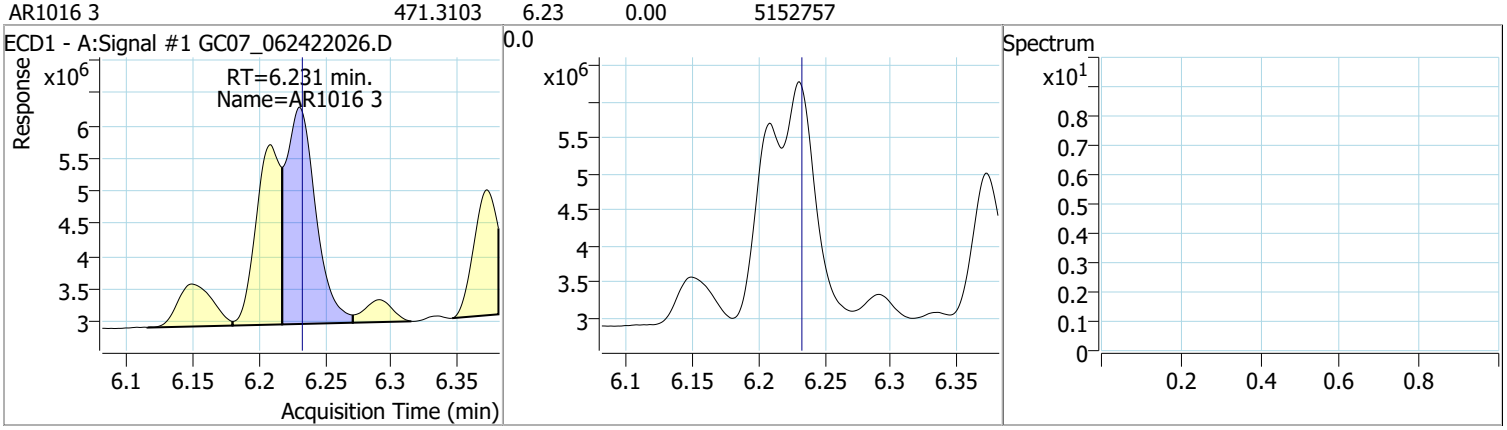
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	474.4196	5.76	0.00	4479111				



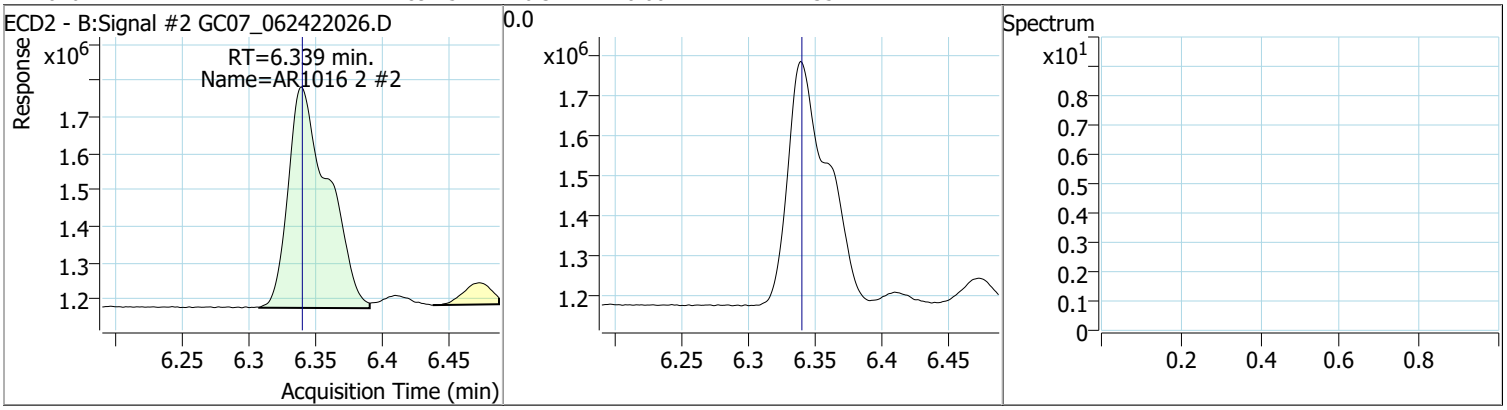
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	482.7572	5.90	0.00	577162				



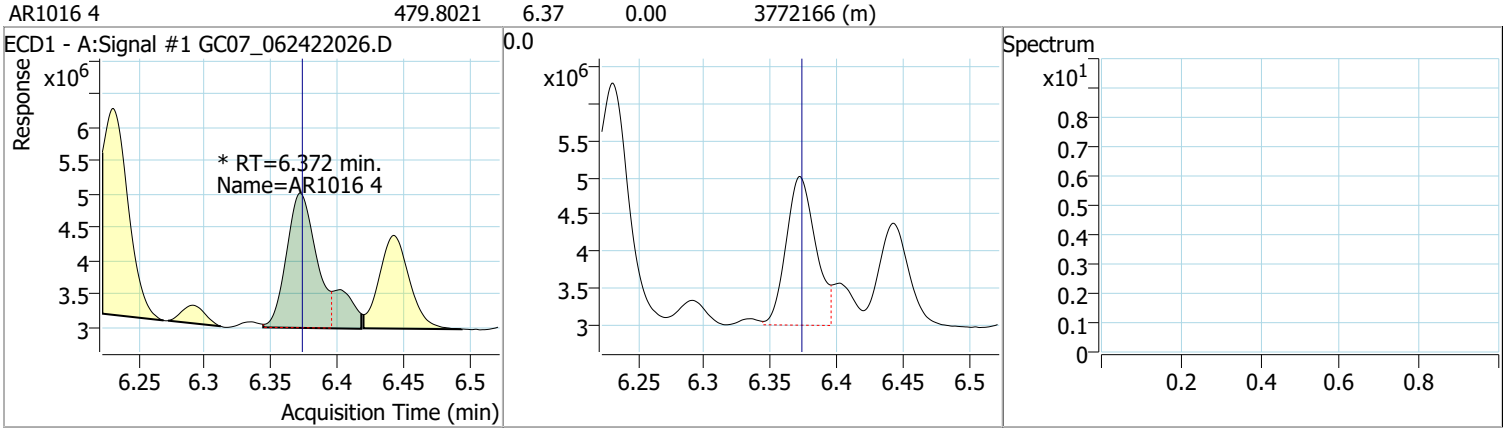
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	471.3103	6.23	0.00	5152757				



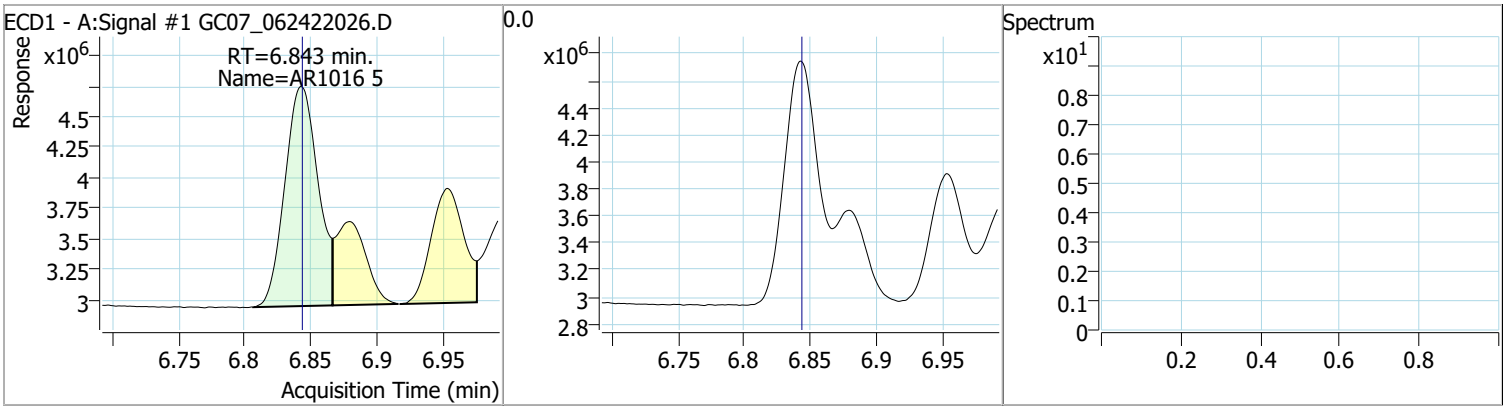
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	489.4577	6.34	0.00	1274235				



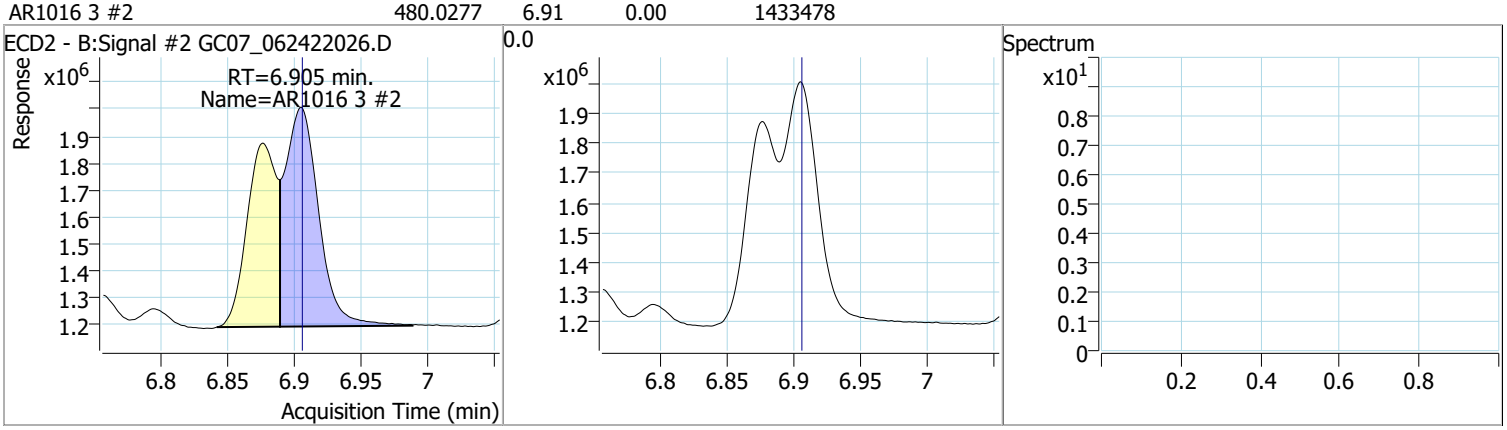
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	479.8021	6.37	0.00	3772166 (m)				



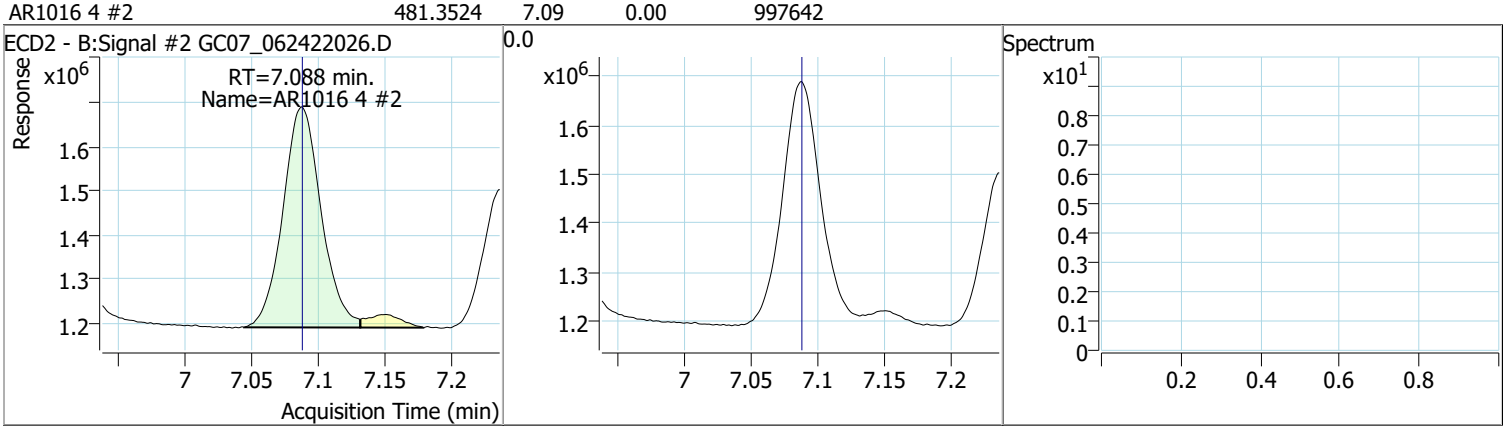
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	479.5366	6.84	0.00	3140347				



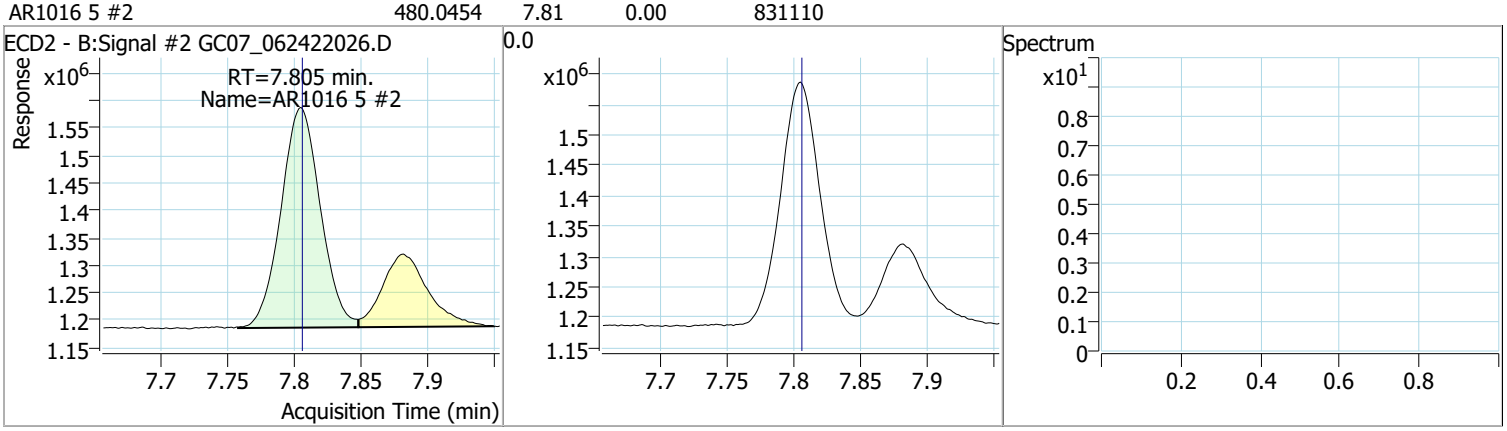
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	480.0277	6.91	0.00	1433478				



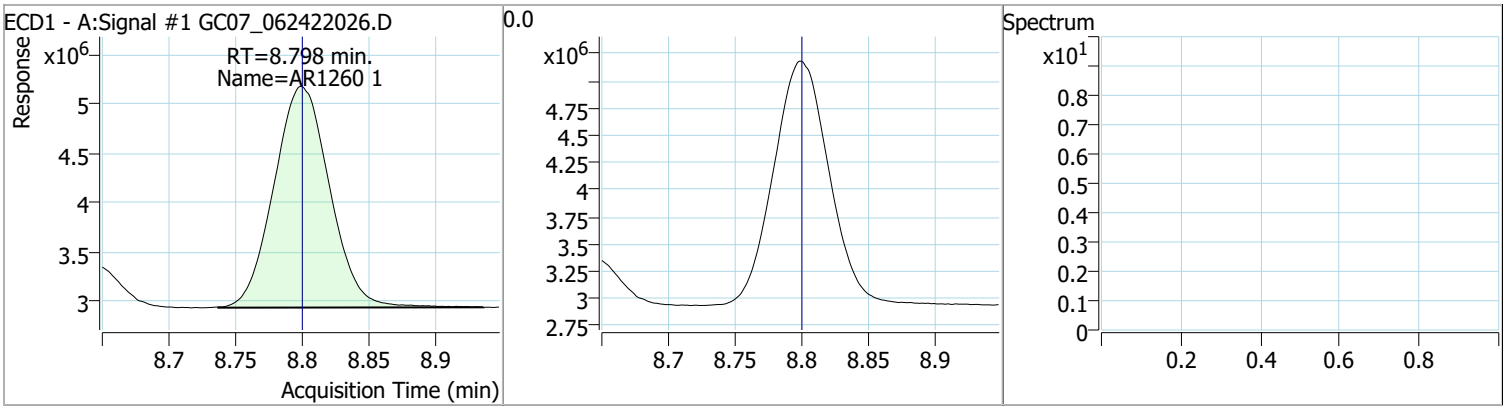
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	481.3524	7.09	0.00	997642				



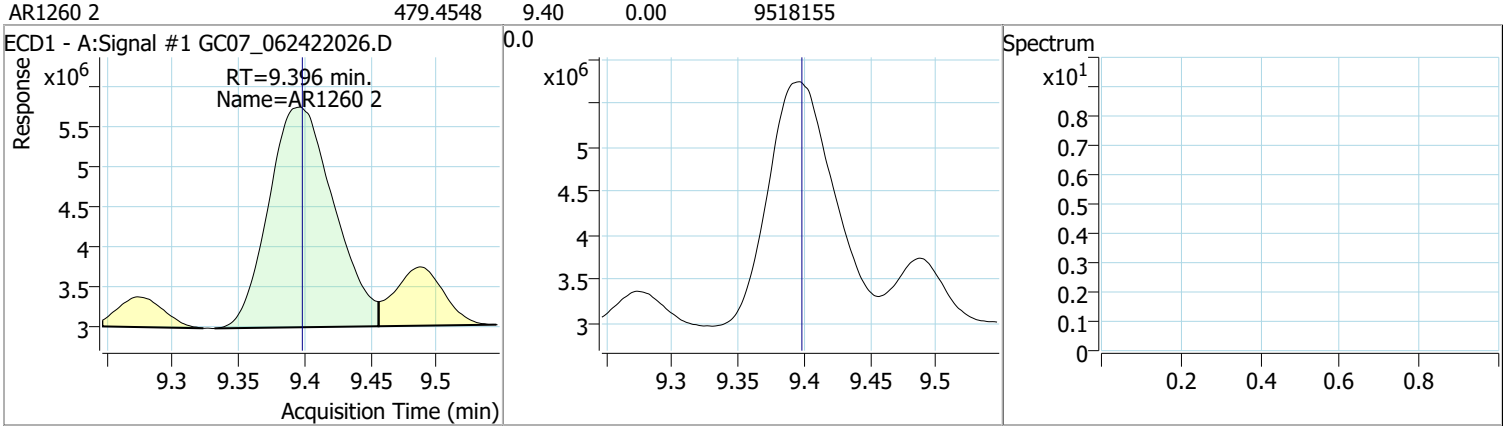
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	480.0454	7.81	0.00	831110				



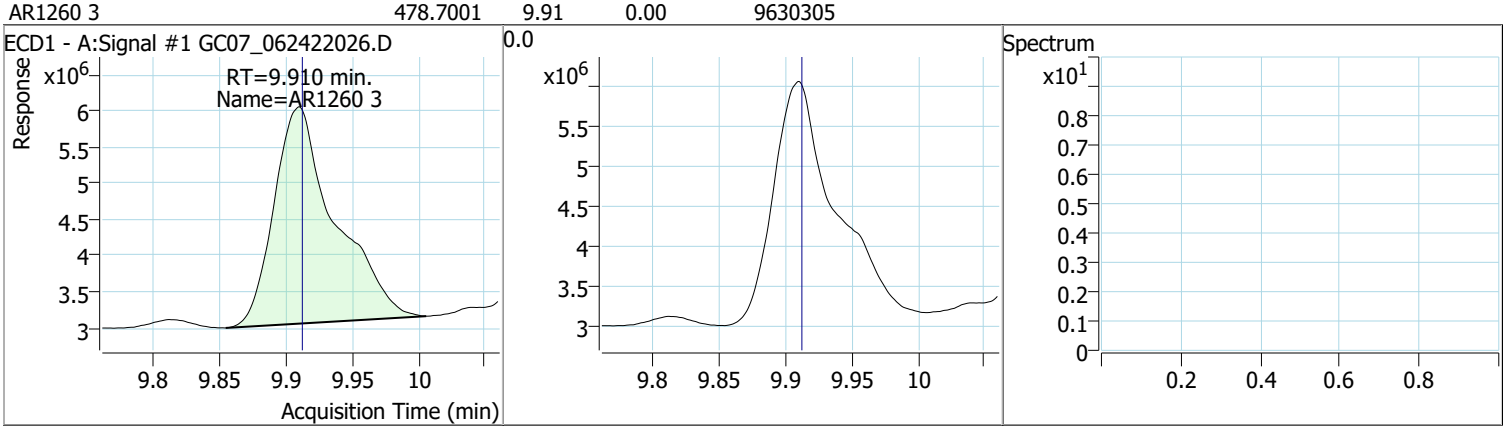
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	475.8643	8.80	0.00	6580851				



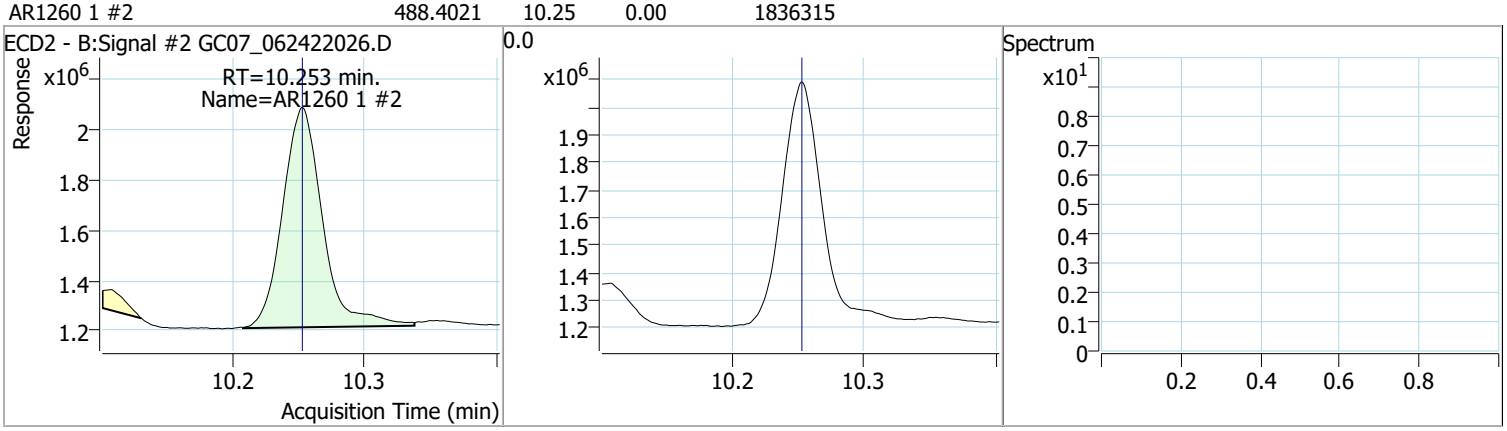
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	479.4548	9.40	0.00	9518155				



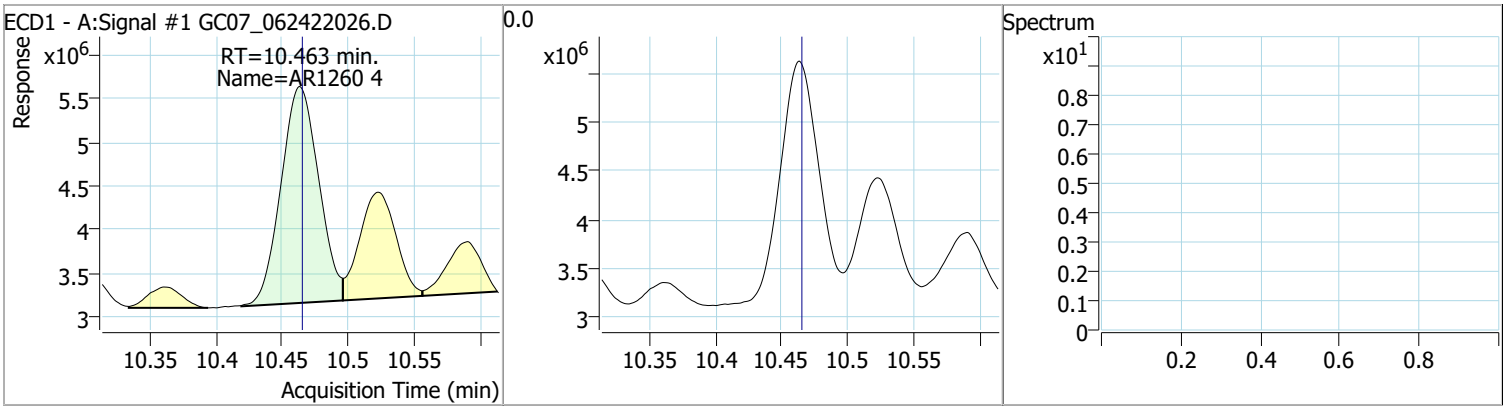
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	478.7001	9.91	0.00	9630305				



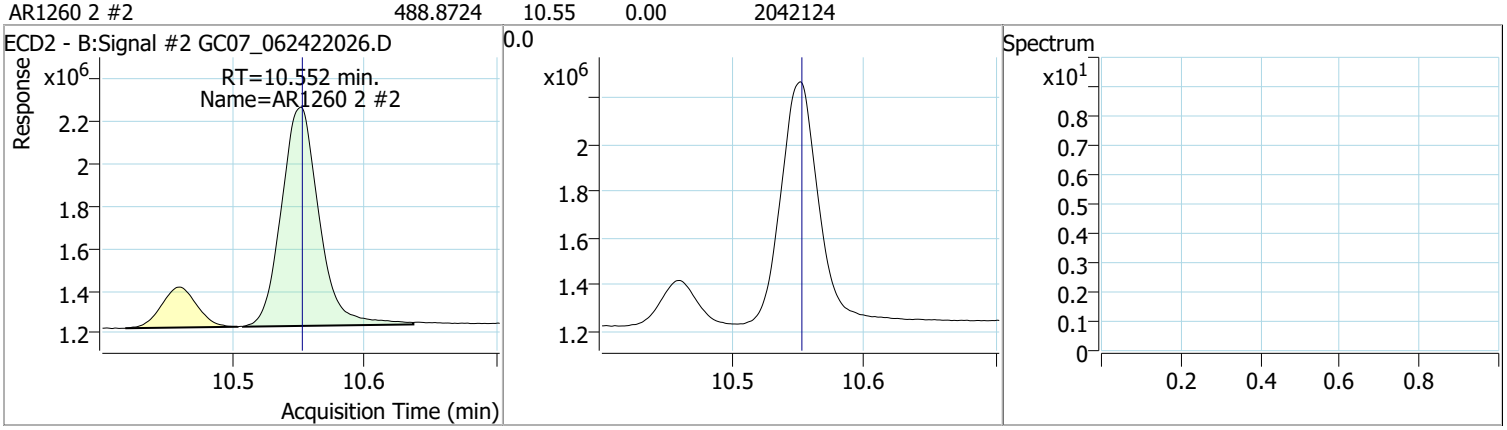
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	488.4021	10.25	0.00	1836315				



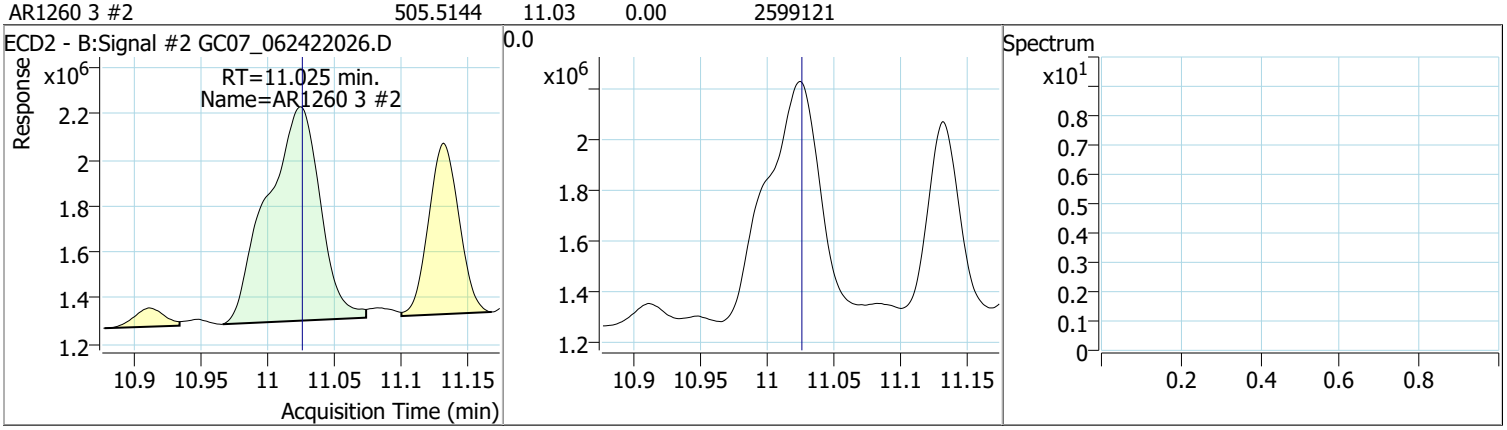
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	475.2929	10.46	0.00	4888051				



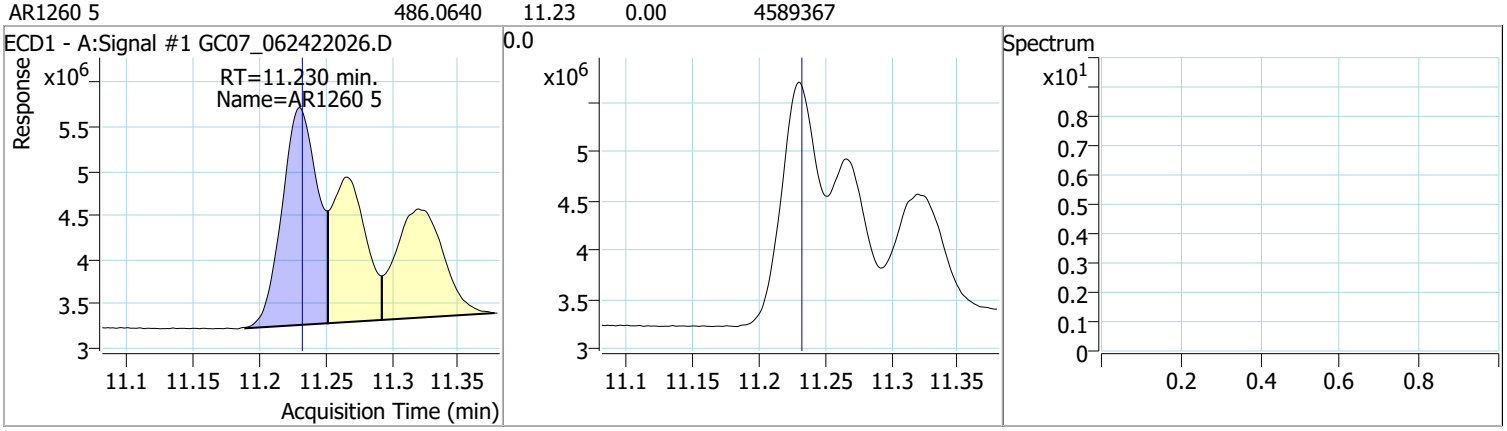
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	488.8724	10.55	0.00	2042124				



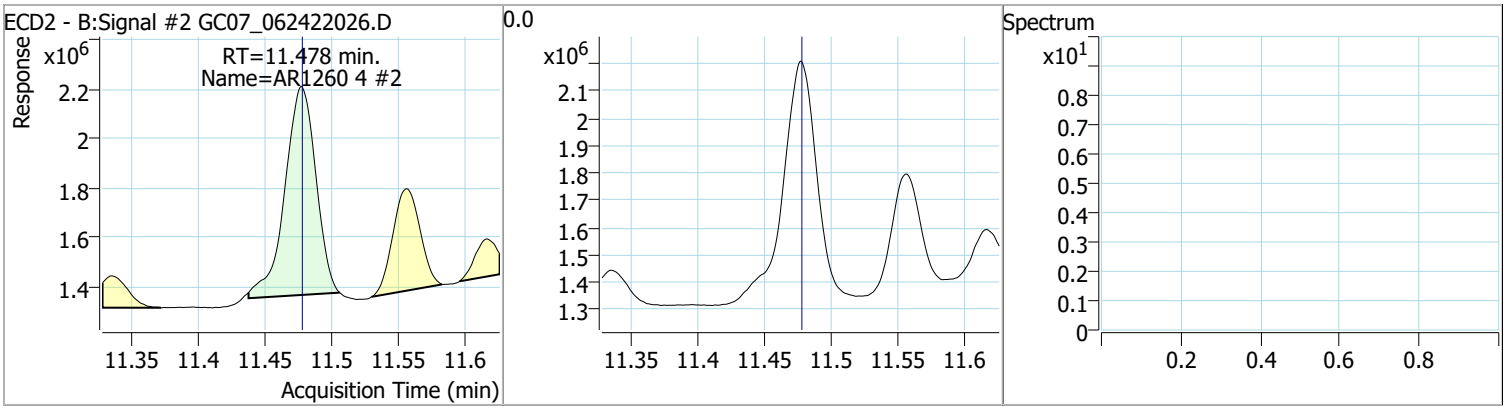
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	505.5144	11.03	0.00	2599121				



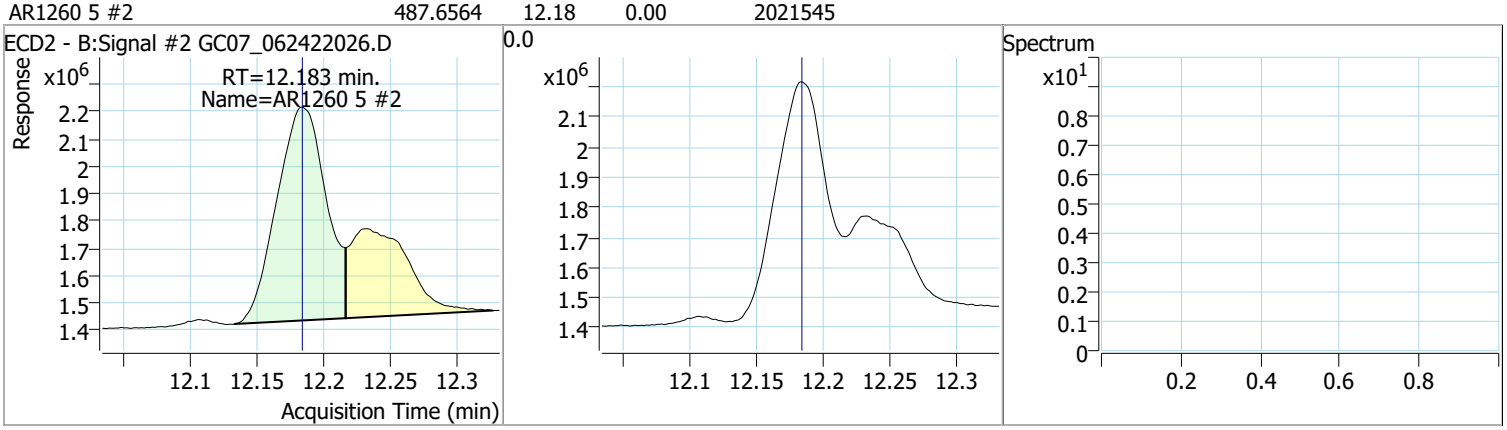
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	486.0640	11.23	0.00	4589367				



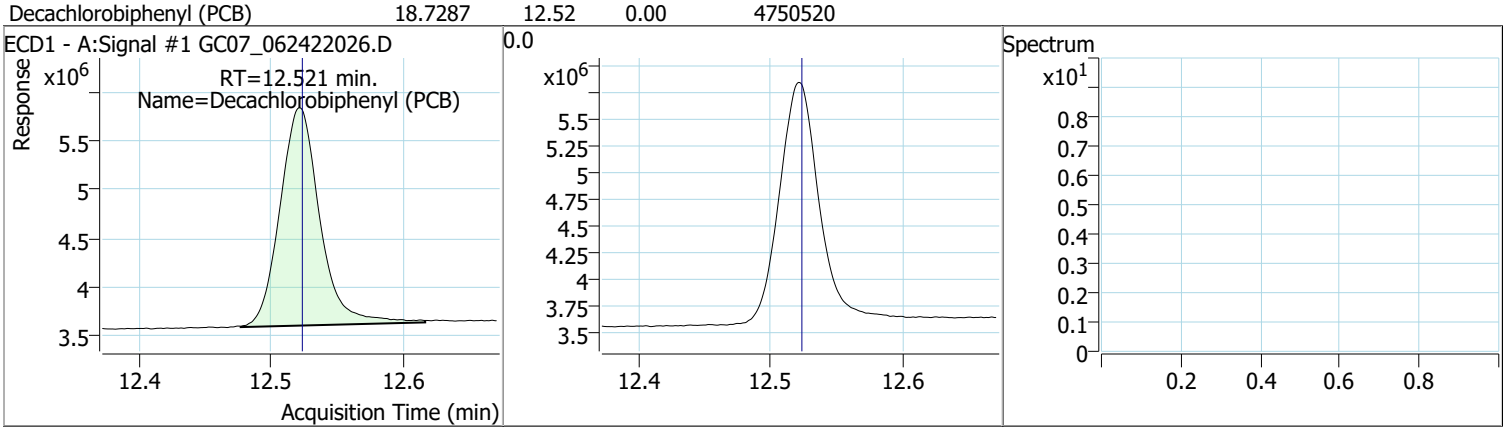
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	473.7649	11.48	0.00	1366676				



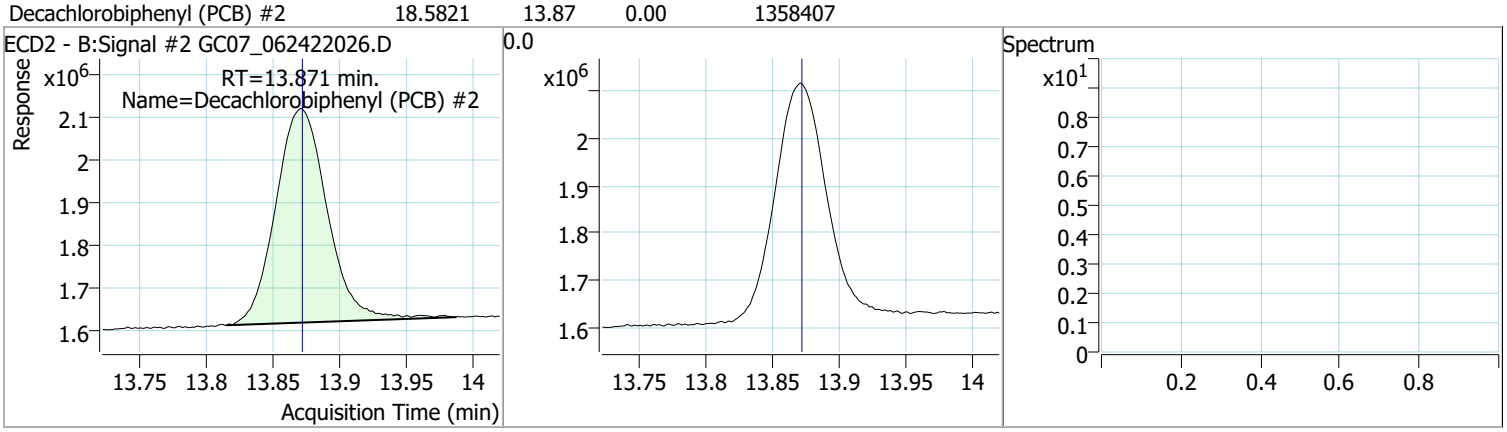
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	487.6564	12.18	0.00	2021545				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	18.7287	12.52	0.00	4750520				

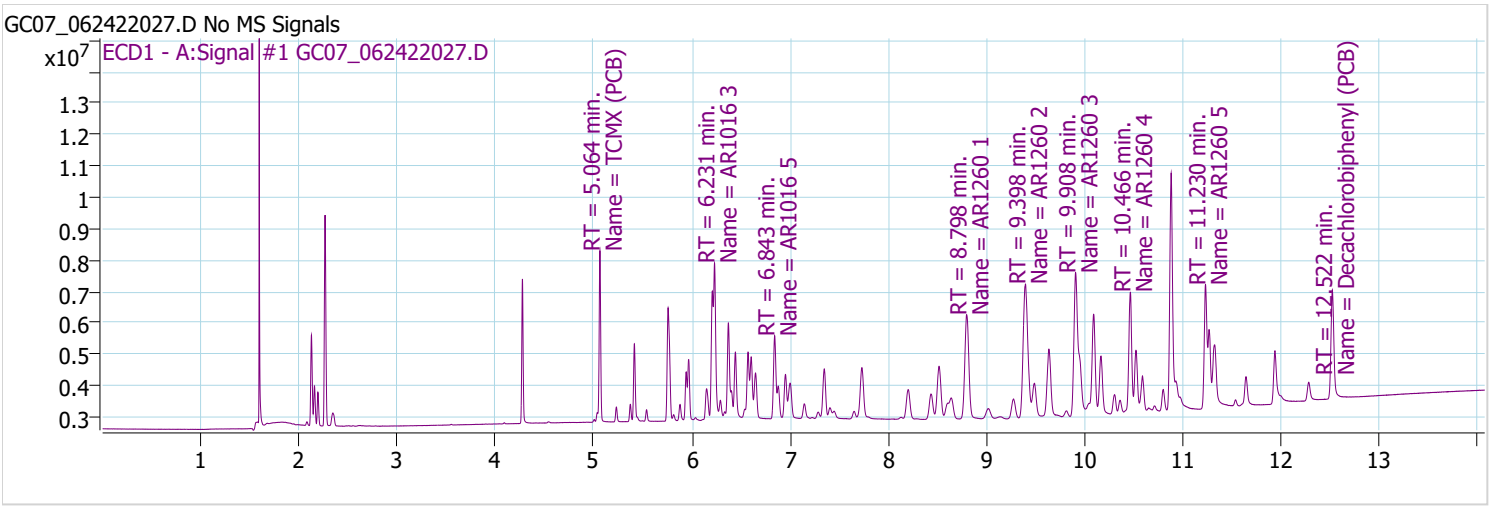


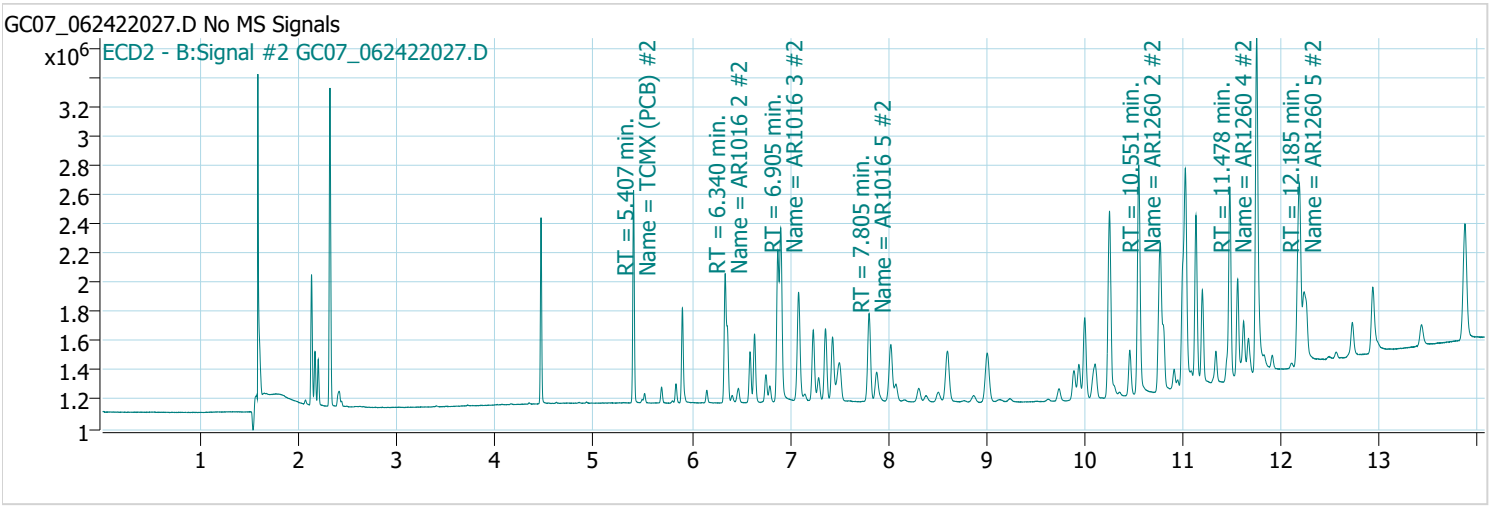
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	18.5821	13.87	0.00	1358407				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422027.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 2:07:06 AM
Sample Name	ICAL, S16726, 2.66	Instrument	SVOA-GC07
Vial	16	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	750 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



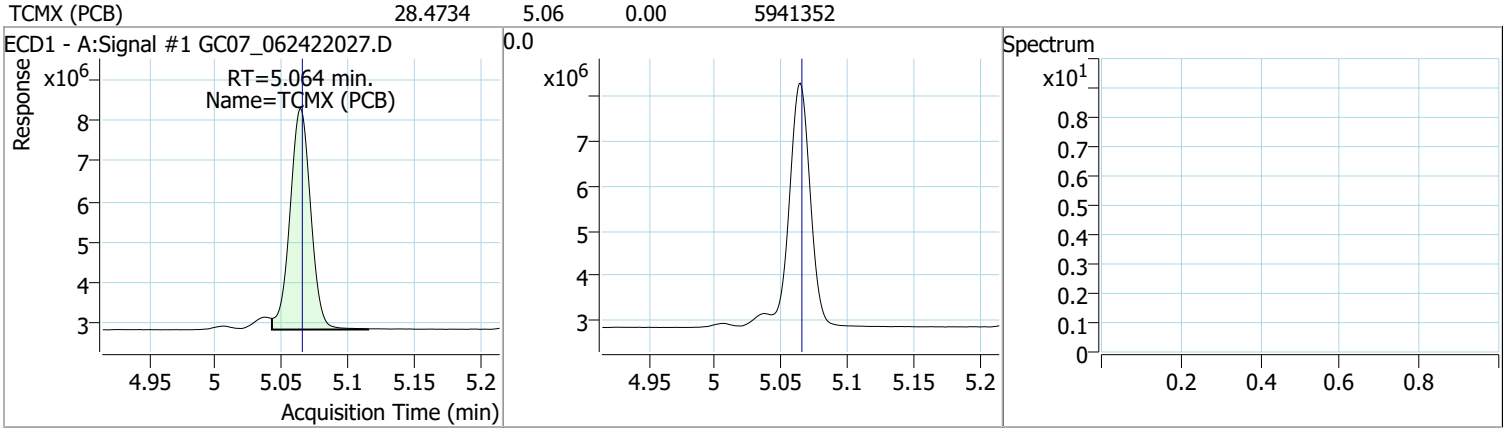


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.275	0.0	4424105.000	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.464	0.0	1157107.608	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.064	0.0	5941351.881	28.4734	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 142.37%		
S TCMX (PCB) #2	5.407	0.0	1565711.877	29.8159	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 149.08%		
S Decachlorobiphenyl (PCB)	12.522	0.0	7275207.517	29.4381	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 147.19%		
S Decachlorobiphenyl (PCB) #2	13.873	0.0	2090754.941	29.3435	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 146.72%		
Target Compounds						QValue

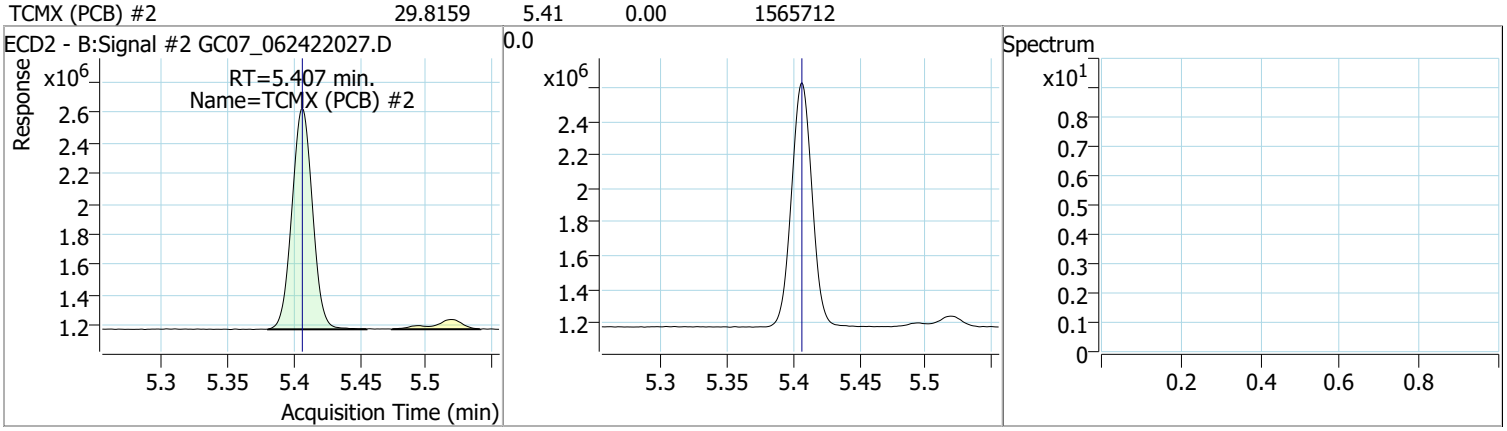
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.415	0.0	2987472.255	703.8748	ng/ml	m	100
T AR1016 2	5.758	0.0	6390444.056	694.7020	ng/ml		100
T AR1016 1 #2	5.904	0.0	850617.917	729.9780	ng/ml		100
T AR1016 3	6.231	0.0	7527661.058	706.6821	ng/ml		100
T AR1016 2 #2	6.340	0.0	1843224.286	726.4210	ng/ml		100
T AR1016 4	6.372	0.0	5500669.792	718.0979	ng/ml	m	100
T AR1016 5	6.843	0.0	4575781.288	717.1436	ng/ml		100
T AR1016 3 #2	6.905	0.0	2117268.136	727.4376	ng/ml		100
T AR1016 4 #2	7.087	0.0	1498091.864	741.6030	ng/ml		100
T AR1016 5 #2	7.805	0.0	1242512.045	736.3245	ng/ml		100
T AR1260 1	8.798	0.0	10255961.782	761.1569	ng/ml		100
T AR1260 2	9.398	0.0	14181456.773	733.1832	ng/ml		100
T AR1260 3	9.908	0.0	14575945.035	743.6300	ng/ml		100
T AR1260 1 #2	10.253	0.0	2744668.361	748.9708	ng/ml		100
T AR1260 4	10.466	0.0	7305100.785	729.0352	ng/ml		100
T AR1260 2 #2	10.551	0.0	3083387.233	757.3316	ng/ml		100
T AR1260 3 #2	11.025	0.0	3988085.687	795.8224	ng/ml		100
T AR1260 5	11.230	0.0	7433526.896	808.0391	ng/ml		100
T AR1260 4 #2	11.478	0.0	2244748.204	798.3797	ng/ml		100
T AR1260 5 #2	12.185	0.0	3113694.070	770.6392	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

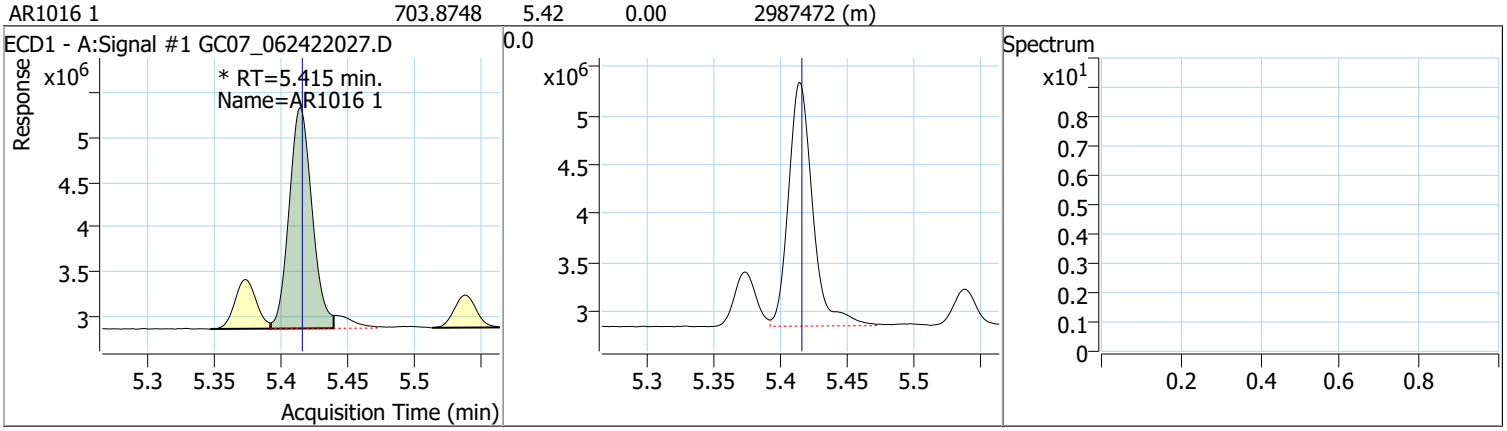
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	28.4734	5.06	0.00	5941352				



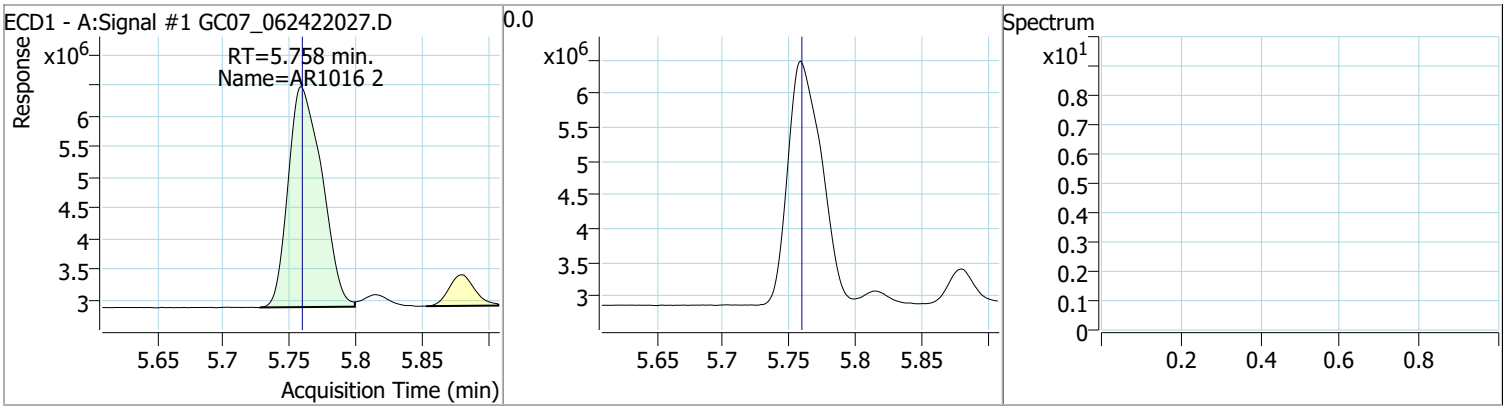
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	29.8159	5.41	0.00	1565712				



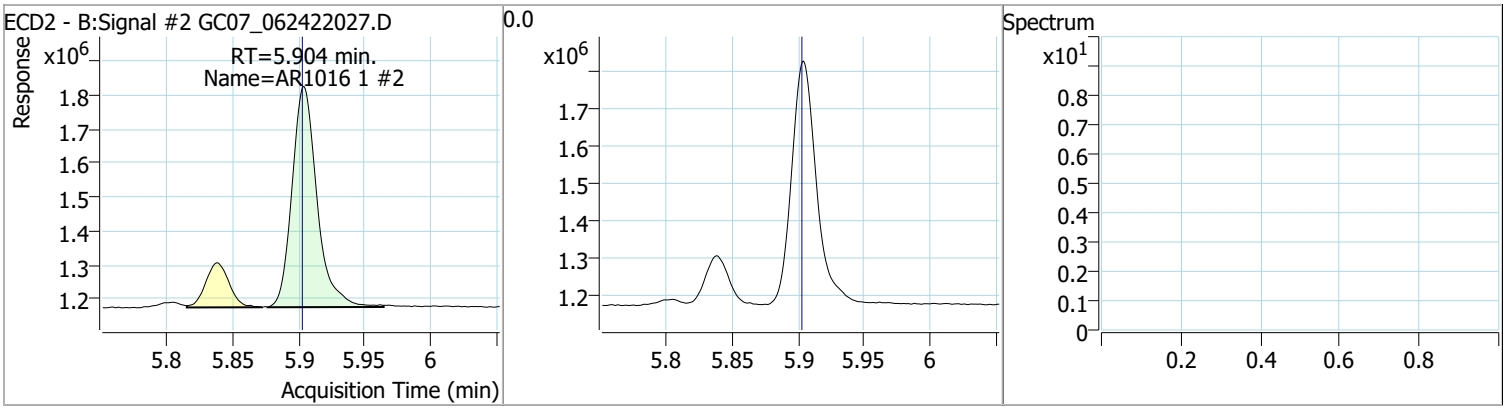
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	703.8748	5.42	0.00	2987472 (m)				



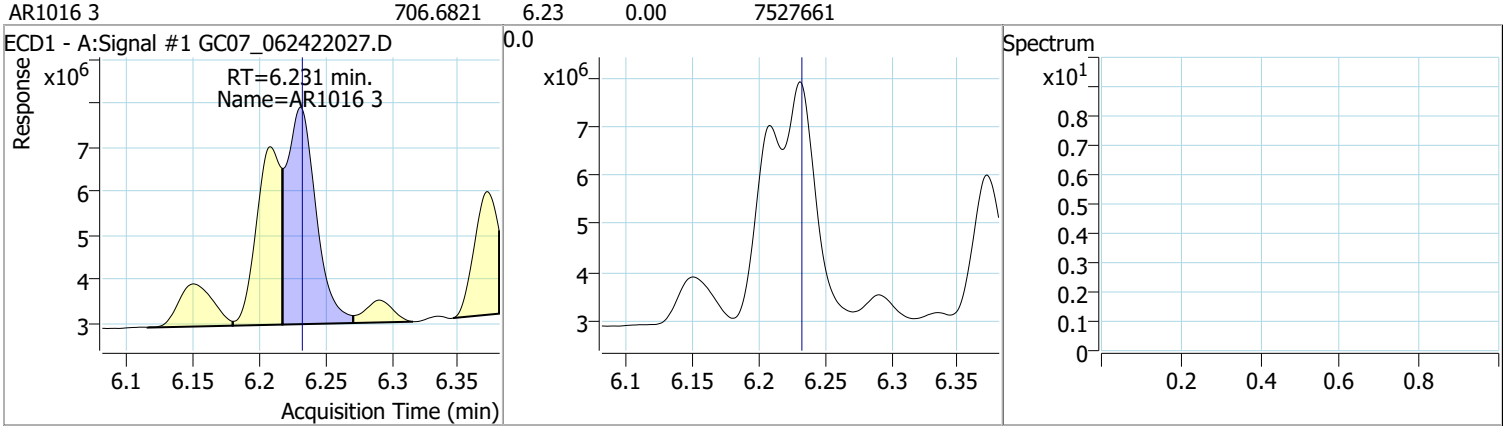
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	694.7020	5.76	0.00	6390444				



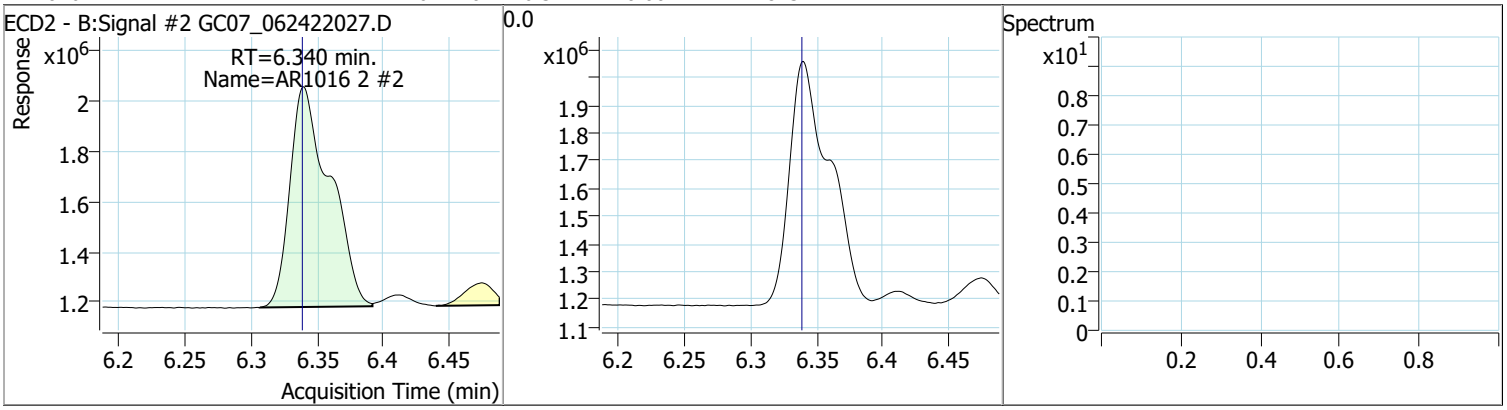
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	729.9780	5.90	0.00	850618				



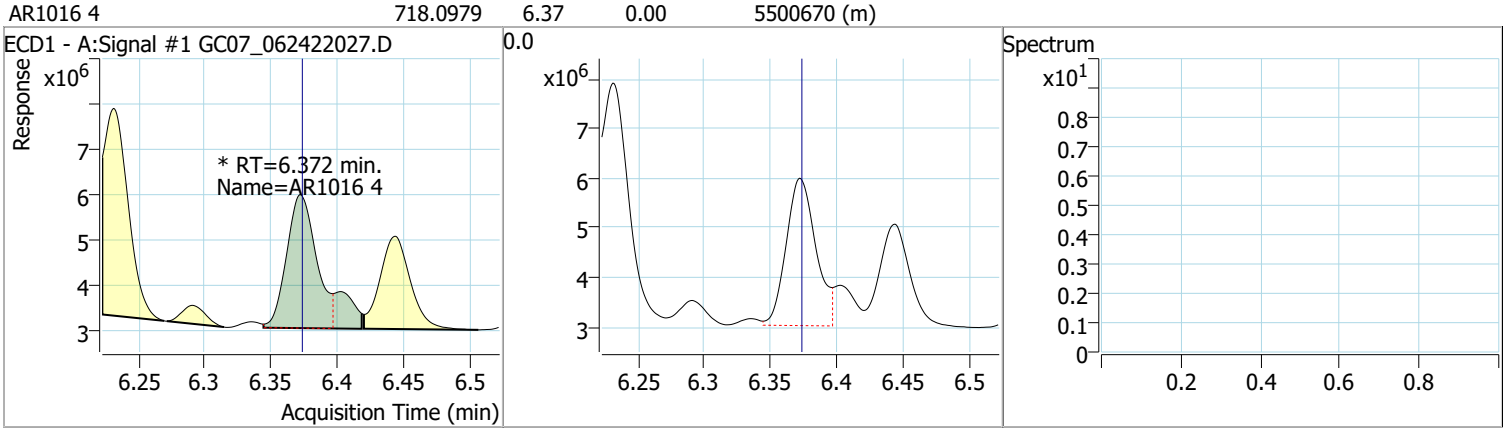
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	706.6821	6.23	0.00	7527661				



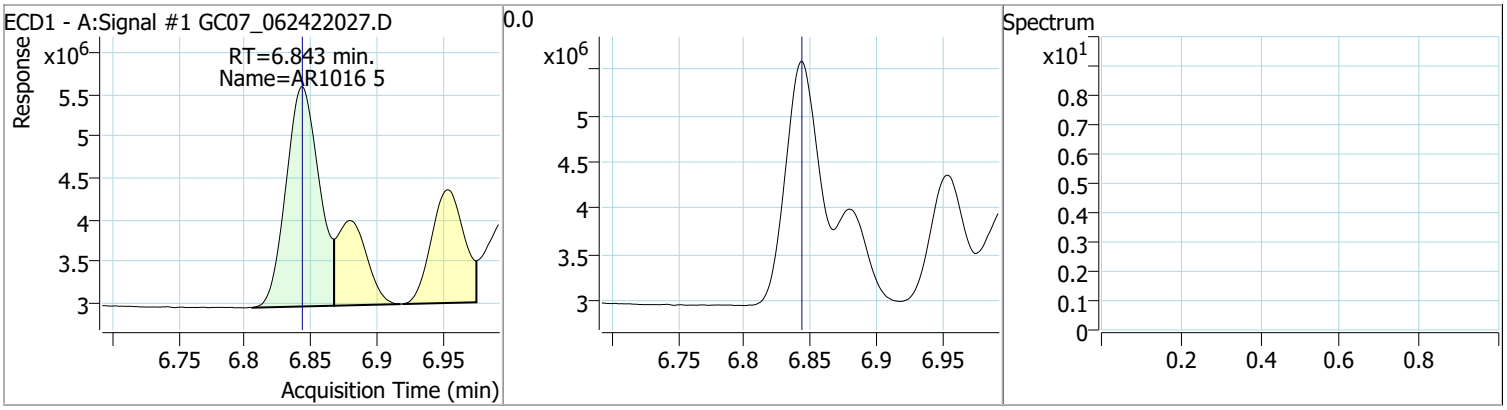
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	726.4210	6.34	0.00	1843224				



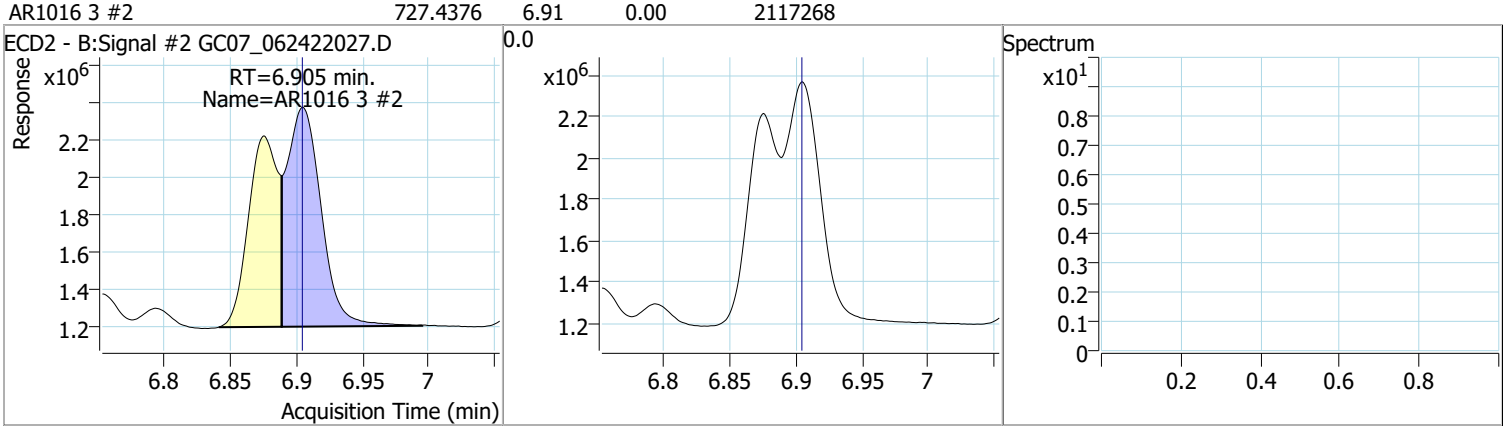
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	718.0979	6.37	0.00	5500670 (m)				



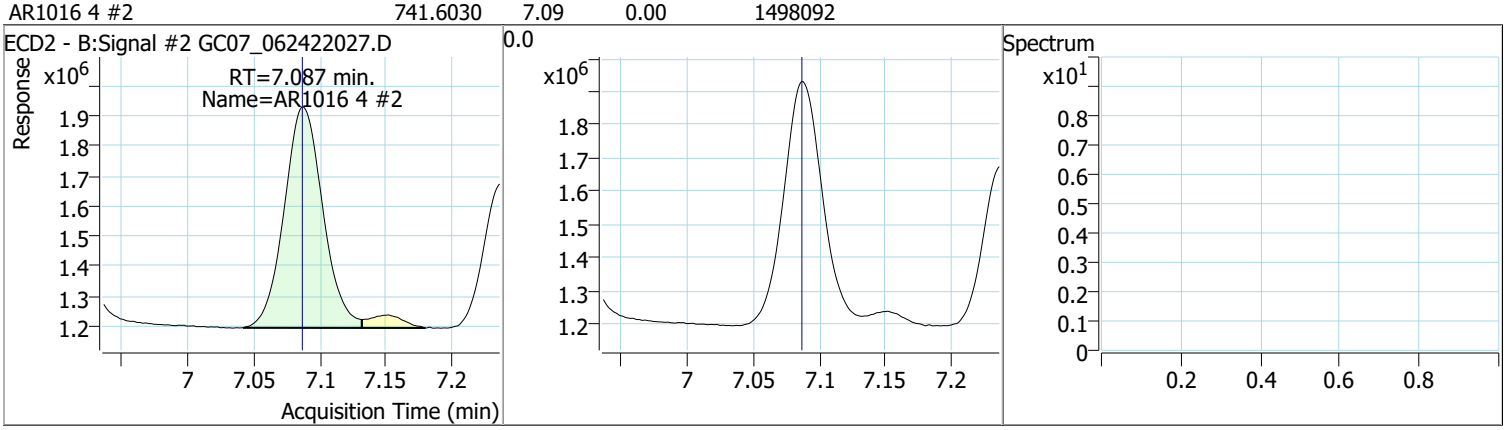
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	717.1436	6.84	0.00	4575781				



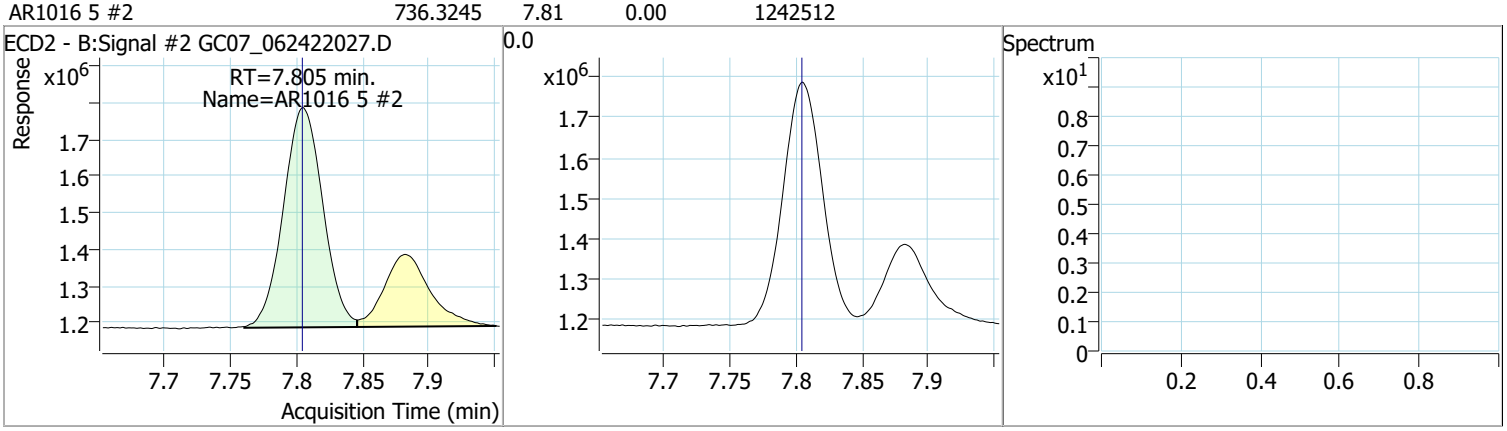
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	727.4376	6.91	0.00	2117268				



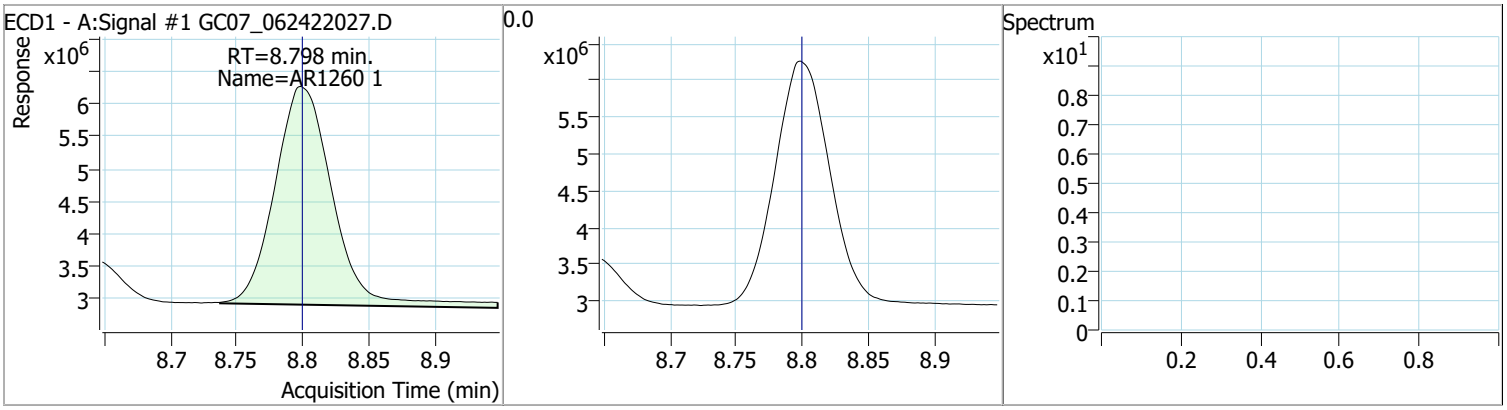
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	741.6030	7.09	0.00	1498092				



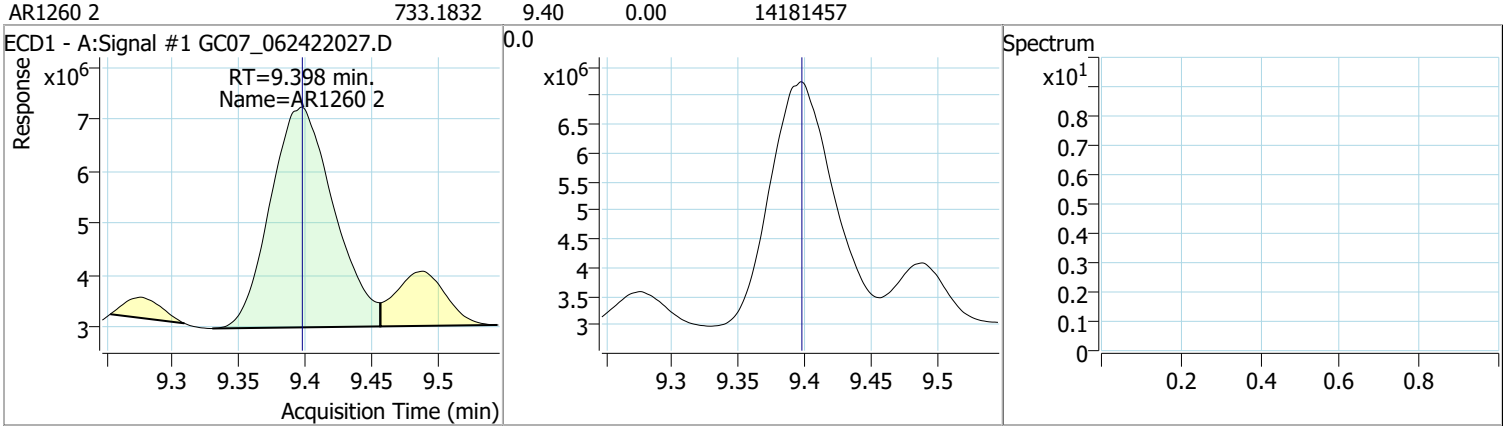
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	736.3245	7.81	0.00	1242512				



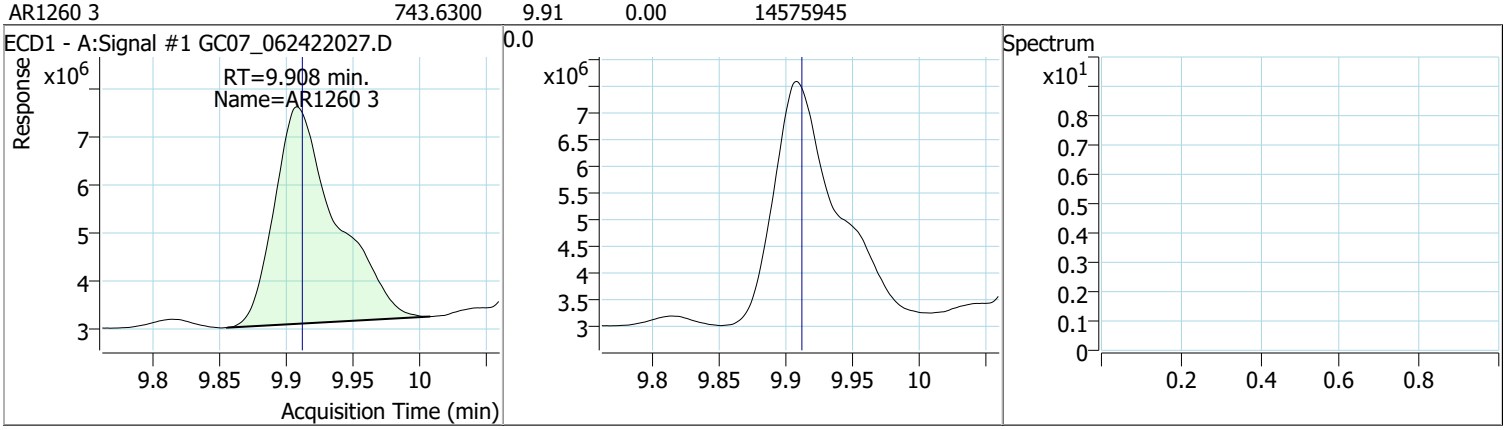
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	761.1569	8.80	0.00	10255962				



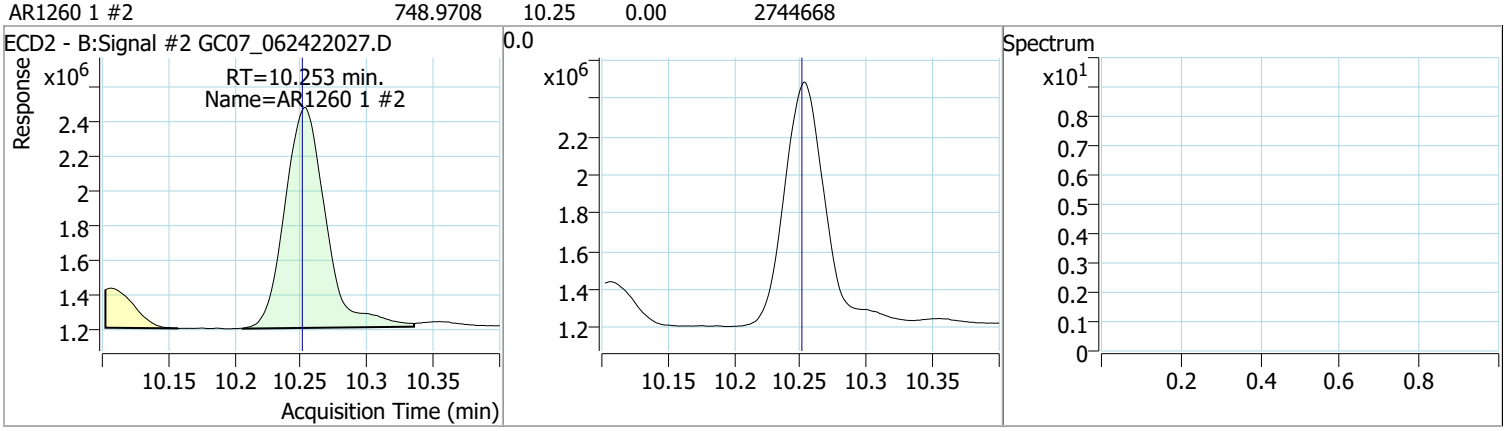
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	733.1832	9.40	0.00	14181457				



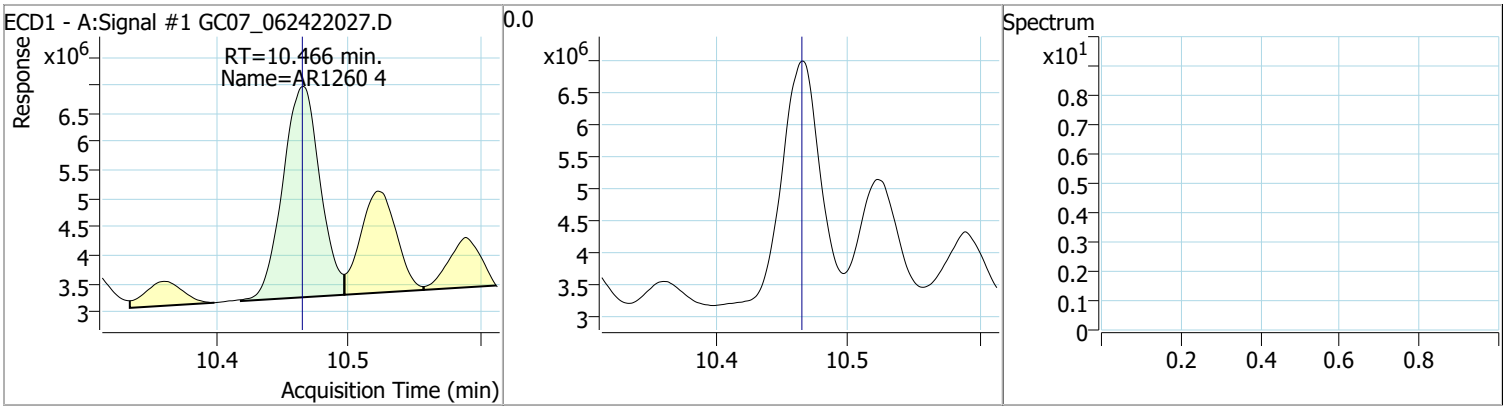
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	743.6300	9.91	0.00	14575945				



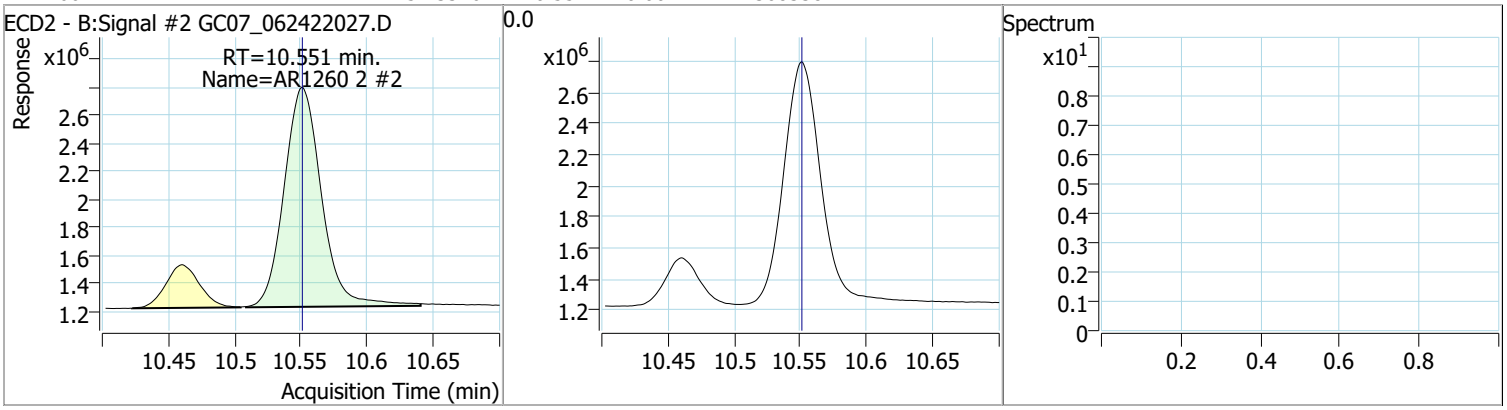
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	748.9708	10.25	0.00	2744668				



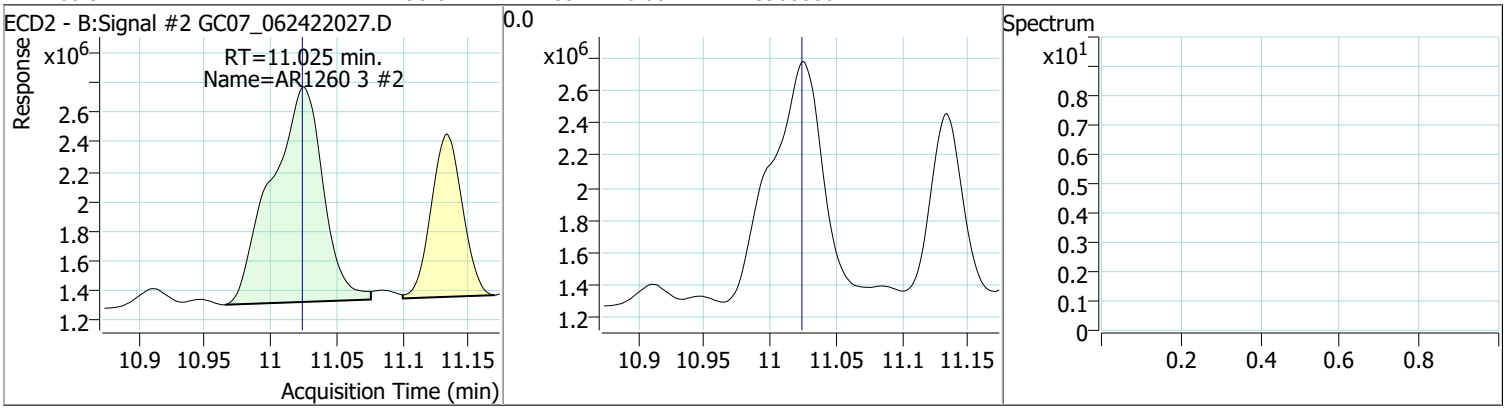
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	729.0352	10.47	0.00	7305101				



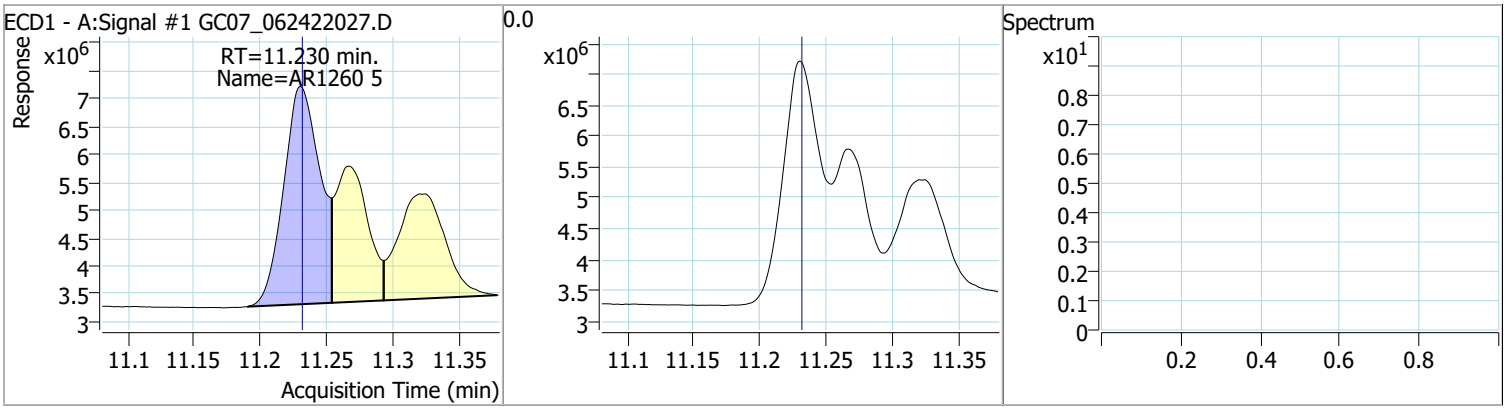
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	757.3316	10.55	0.00	3083387				



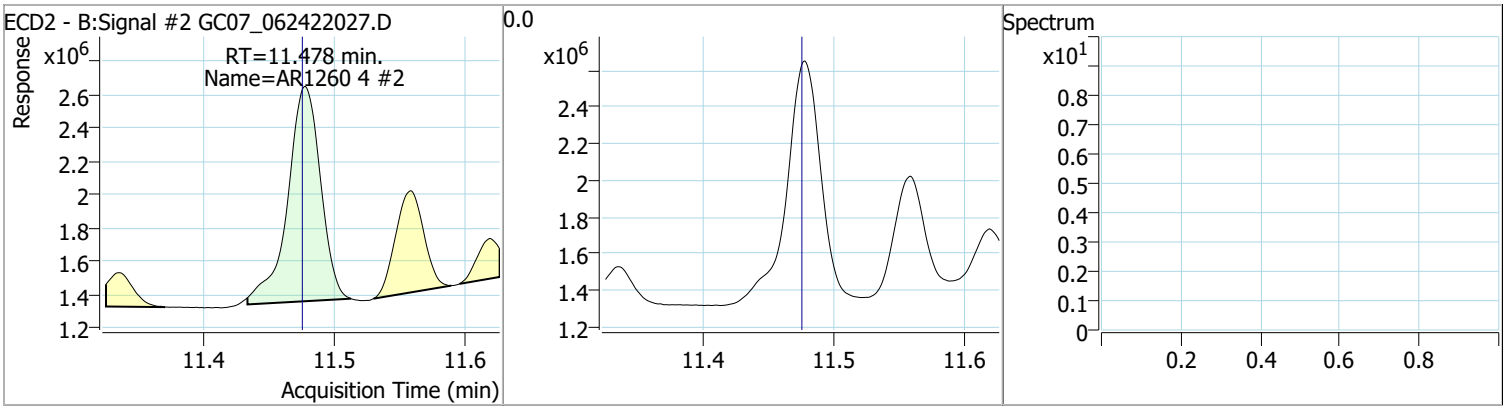
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	795.8224	11.03	0.00	3988086				



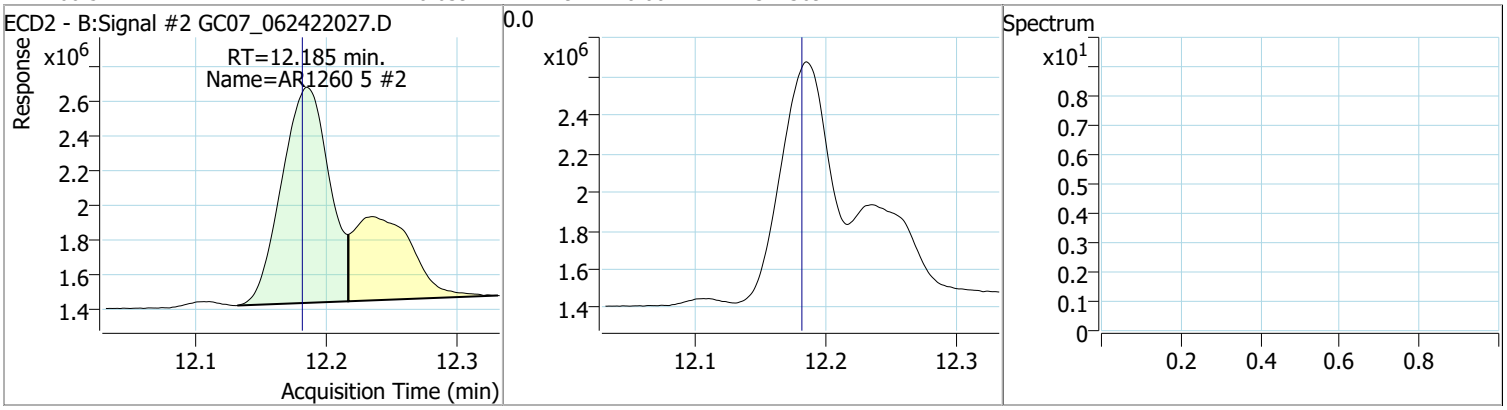
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	808.0391	11.23	0.00	7433527				



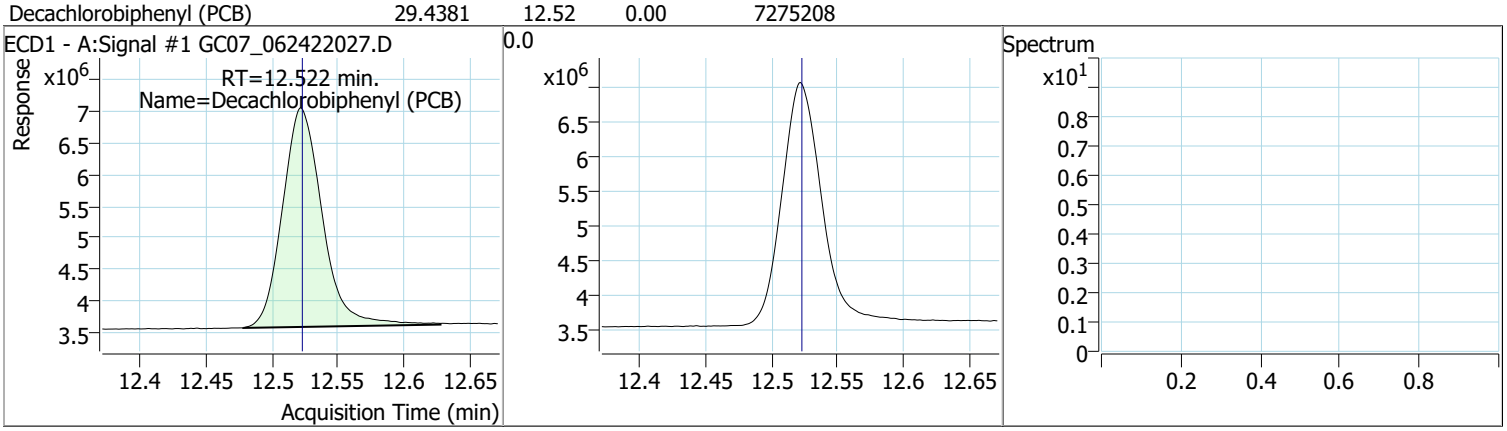
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	798.3797	11.48	0.00	2244748				



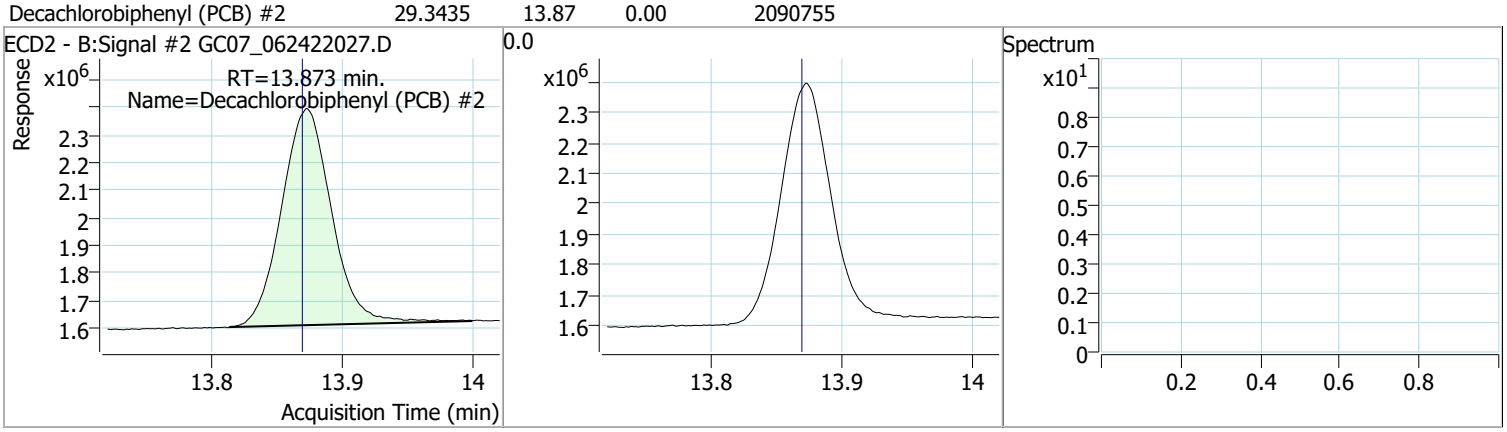
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	770.6392	12.19	0.00	3113694				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	29.4381	12.52	0.00	7275208				

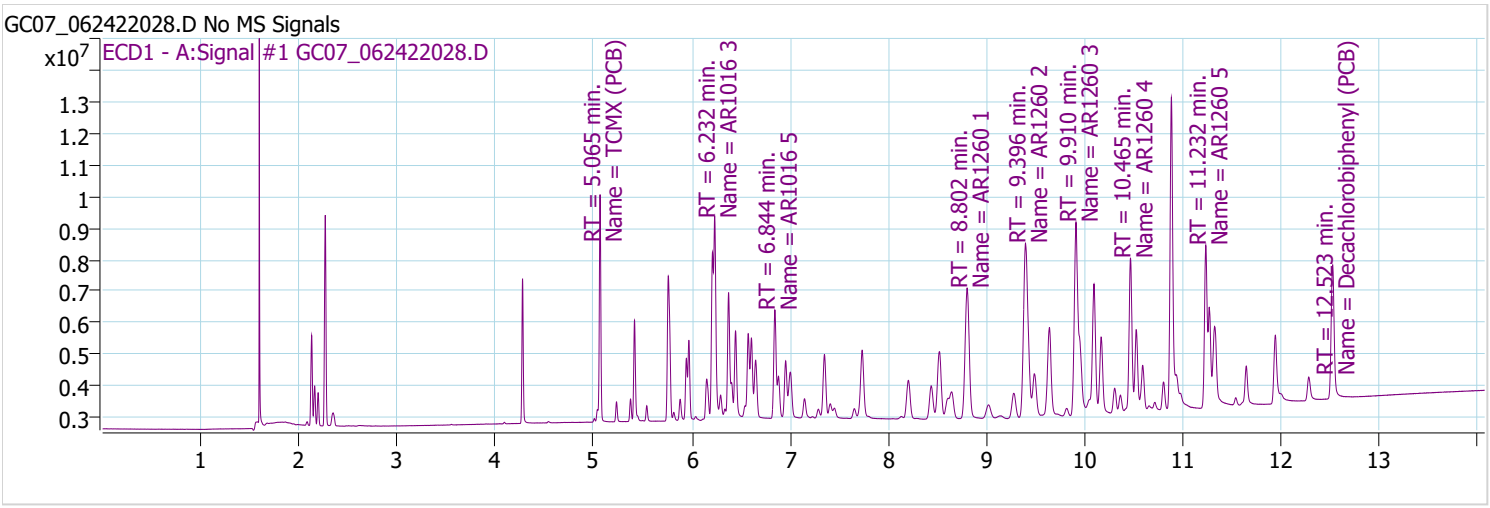


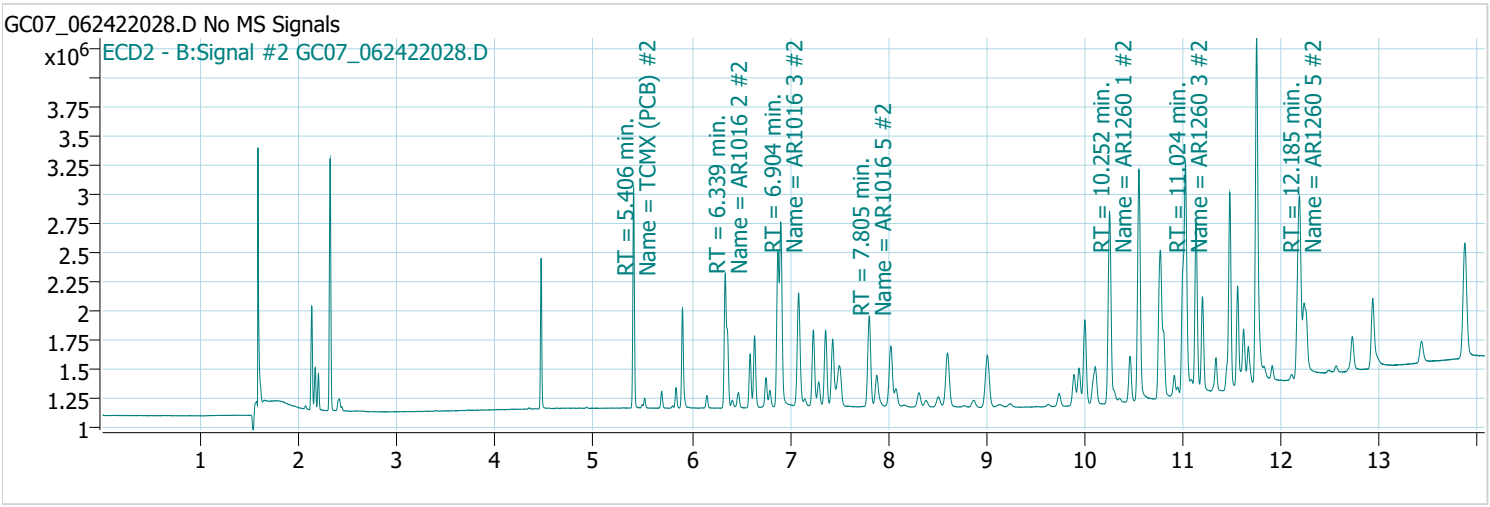
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	29.3435	13.87	0.00	2090755				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422028.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 2:24:39 AM
Sample Name	ICAL,S16726, 2	Instrument	SVOA-GC07
Vial	17	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	1000 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



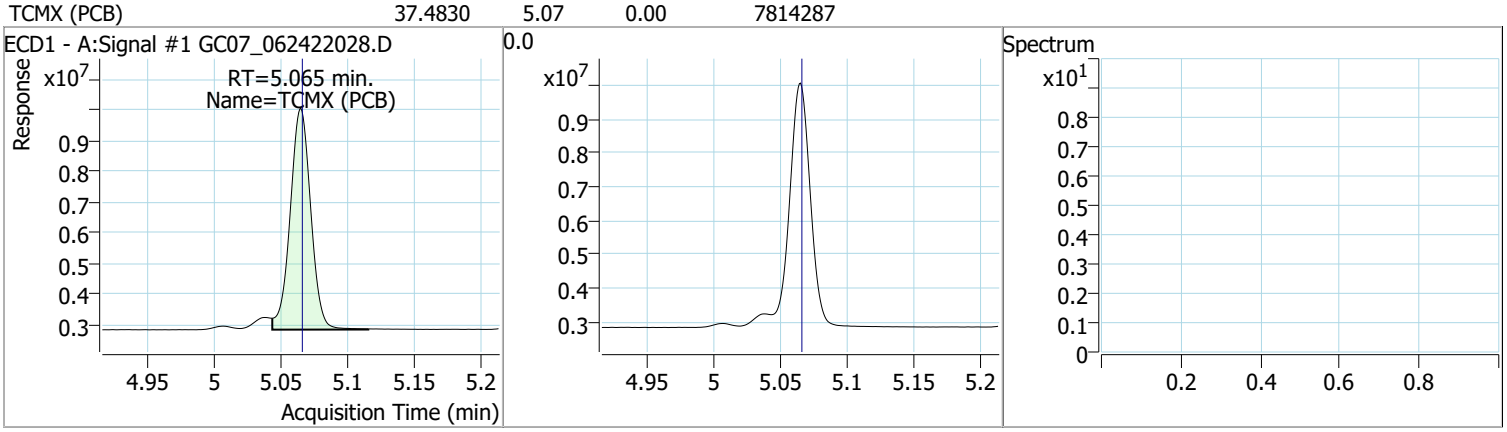


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.276	0.0	4420132.200	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.464	0.0	1163922.916	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.065	0.0	7814286.580	37.4830	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.41%		*	
S TCMX (PCB) #2	5.406	0.0	2078088.887	39.3414	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 196.71%		*	
S Decachlorobiphenyl (PCB)	12.523	0.0	9259543.832	37.5011	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.51%		*	
S Decachlorobiphenyl (PCB) #2	13.869	0.0	2692099.834	37.5620	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.81%		*	
Target Compounds							QValue

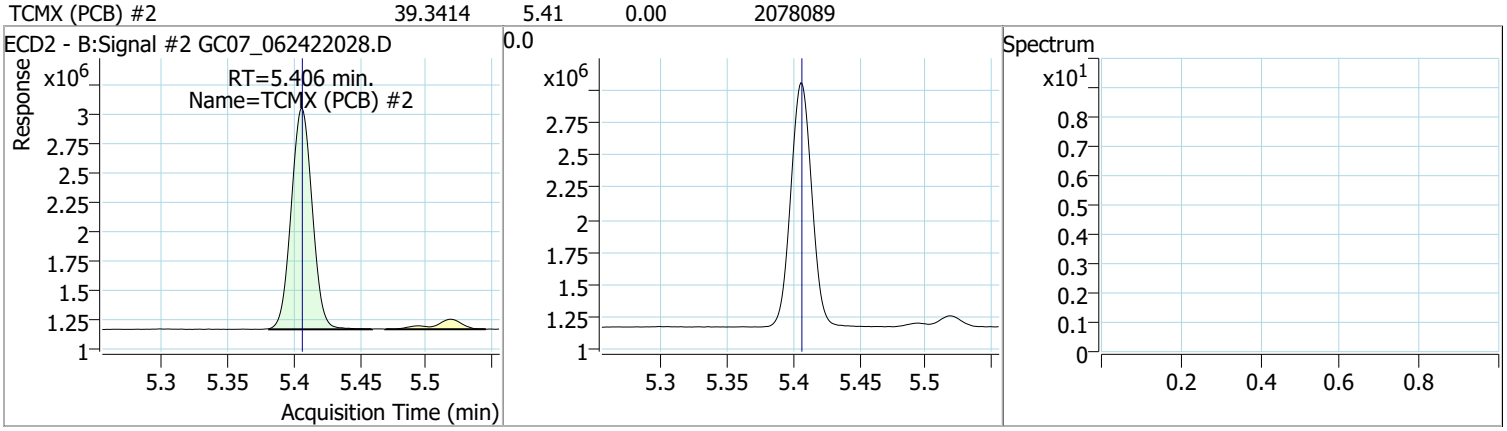
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.415	0.0	3880009.754	914.9861	ng/ml	m	100
T AR1016 2	5.759	0.0	8231794.671	895.6786	ng/ml		100
T AR1016 1 #2	5.903	0.0	1120598.473	956.0373	ng/ml		100
T AR1016 3	6.232	0.0	9798395.587	920.6810	ng/ml		100
T AR1016 2 #2	6.339	0.0	2406093.208	942.6971	ng/ml		100
T AR1016 4	6.373	0.0	7134338.585	932.2062	ng/ml		100
T AR1016 5	6.844	0.0	5906325.814	926.5065	ng/ml		100
T AR1016 3 #2	6.904	0.0	2789498.032	952.7862	ng/ml		100
T AR1016 4 #2	7.086	0.0	1980909.335	974.8710	ng/ml		100
T AR1016 5 #2	7.805	0.0	1634772.757	963.1093	ng/ml		100
T AR1260 1	8.802	0.0	12151492.682	902.6463	ng/ml		100
T AR1260 2	9.396	0.0	18030089.728	932.9958	ng/ml		100
T AR1260 3	9.910	0.0	18640207.223	951.8337	ng/ml		100
T AR1260 1 #2	10.252	0.0	3522414.927	955.5756	ng/ml		100
T AR1260 4	10.465	0.0	9235324.184	922.4963	ng/ml		100
T AR1260 2 #2	10.551	0.0	3921213.965	957.4764	ng/ml		100
T AR1260 3 #2	11.024	0.0	5095147.262	1010.7830	ng/ml		100
T AR1260 5	11.232	0.0	9455583.328	1028.7645	ng/ml		100
T AR1260 4 #2	11.476	0.0	2768819.775	979.0076	ng/ml		100
T AR1260 5 #2	12.185	0.0	3988409.501	981.3511	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

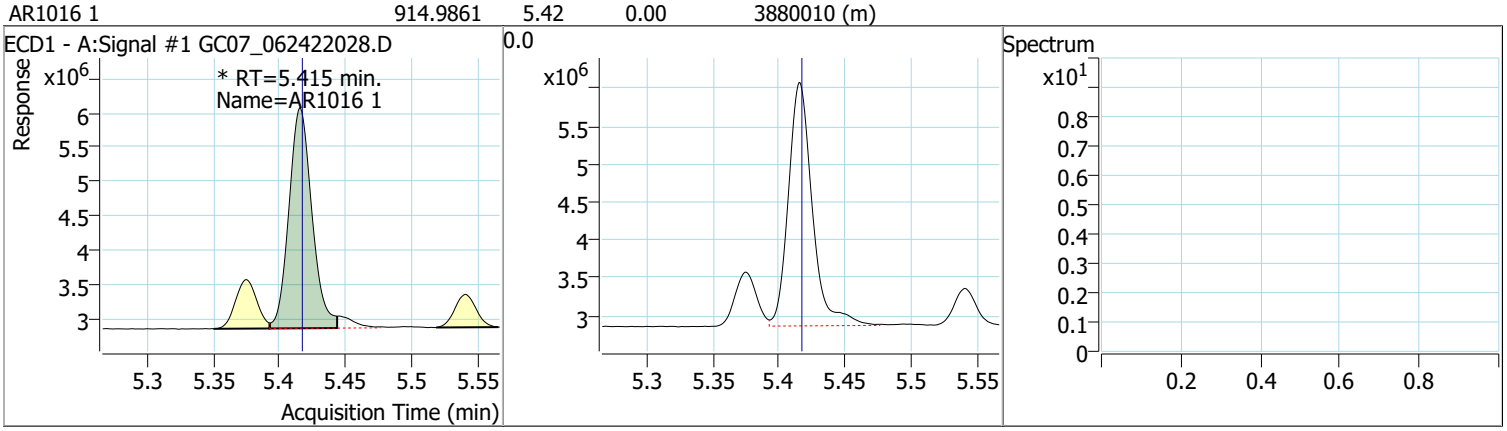
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	37.4830	5.07	0.00	7814287				



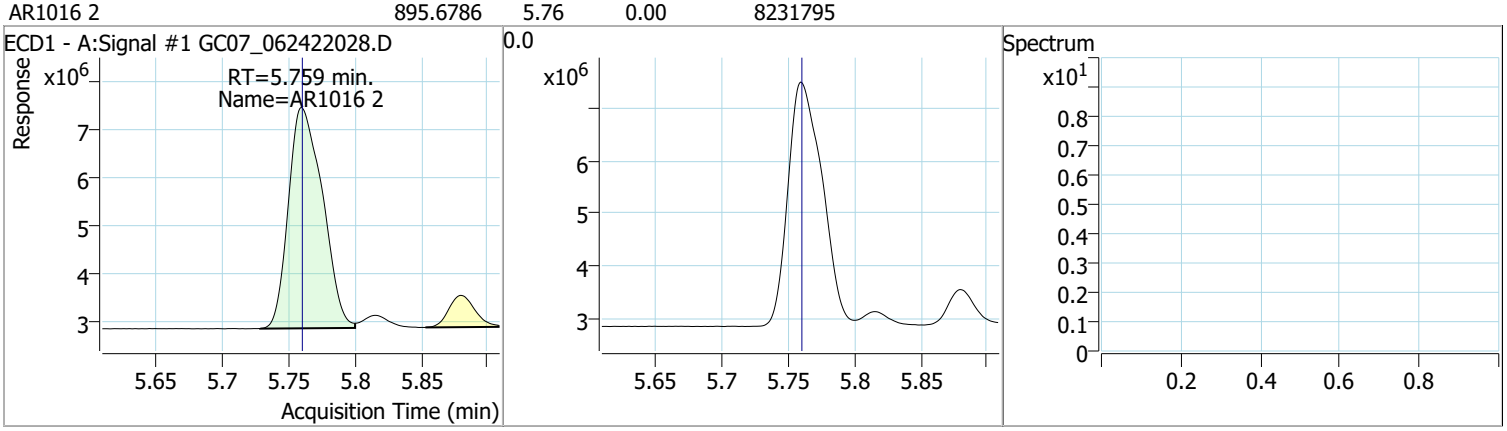
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	39.3414	5.41	0.00	2078089				



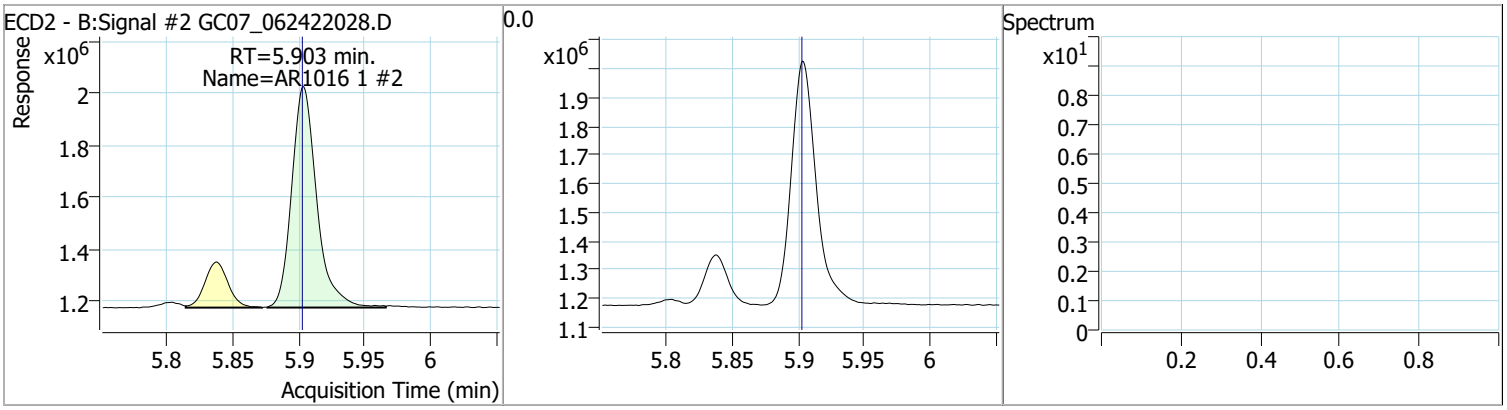
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	914.9861	5.42	0.00	3880010 (m)				



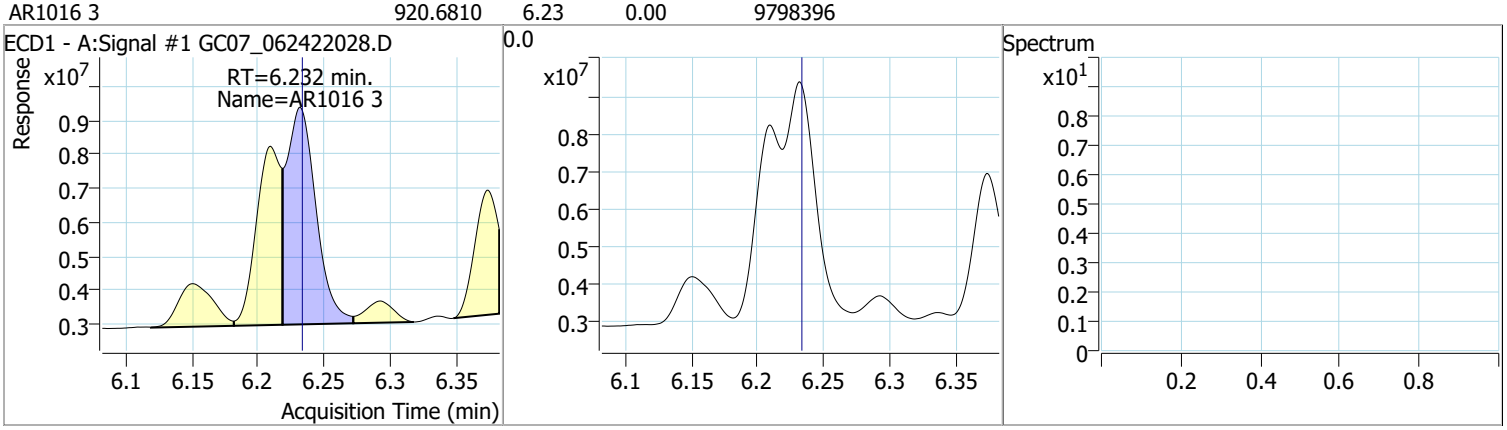
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	895.6786	5.76	0.00	8231795				



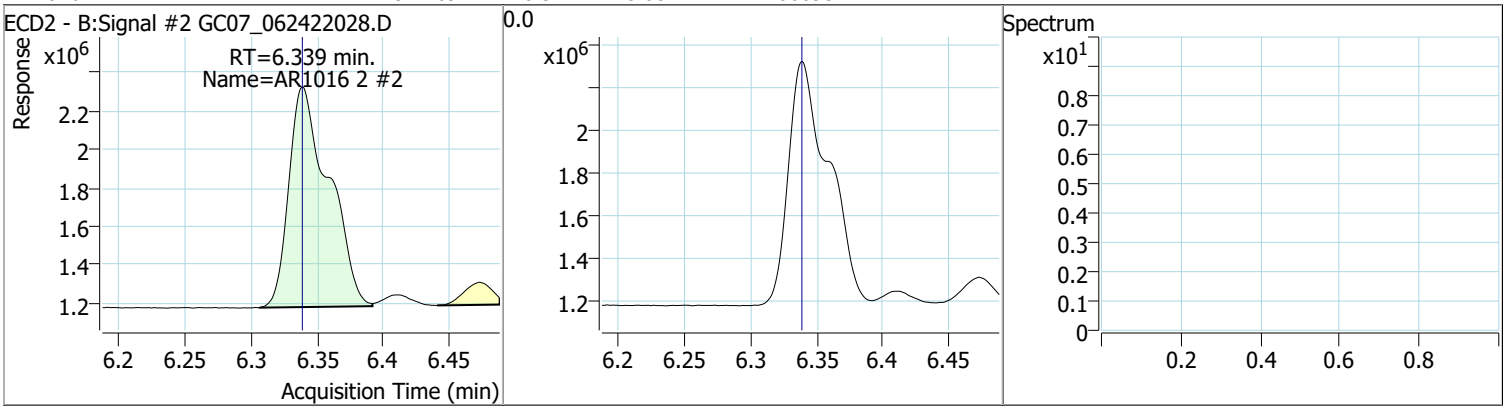
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	956.0373	5.90	0.00	1120598				



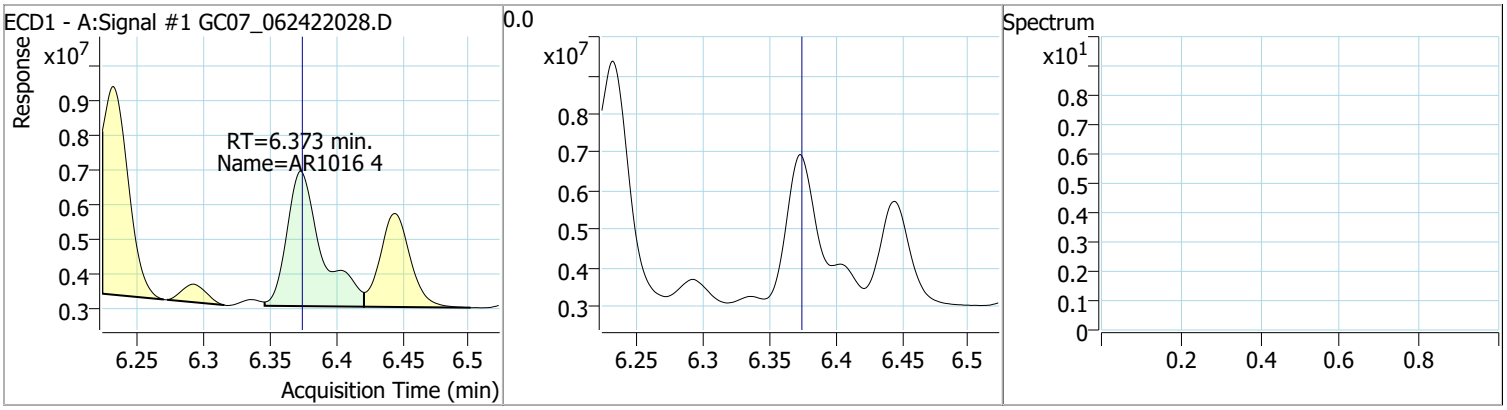
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	920.6810	6.23	0.00	9798396				



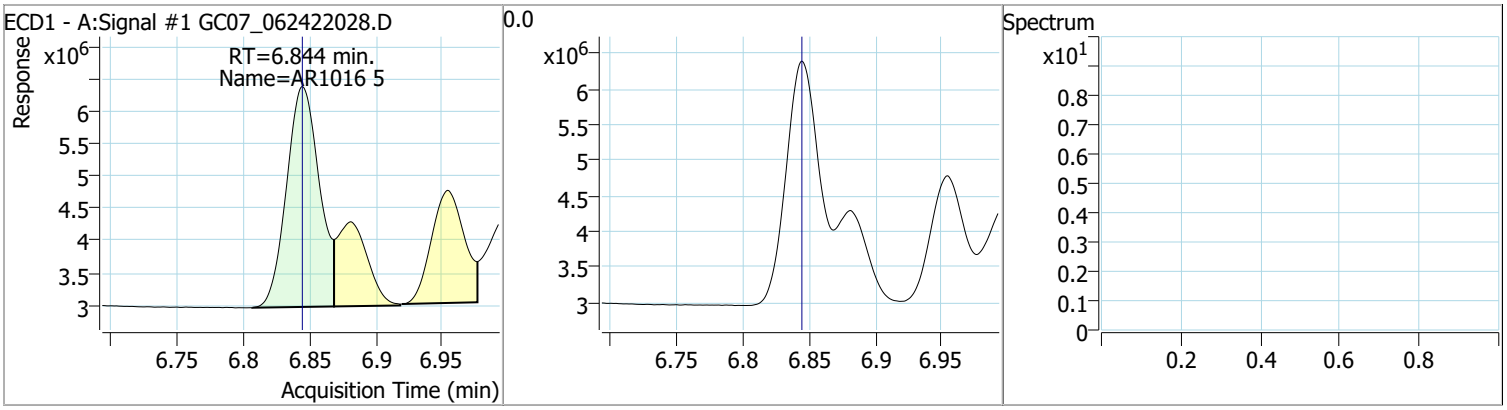
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	942.6971	6.34	0.00	2406093				



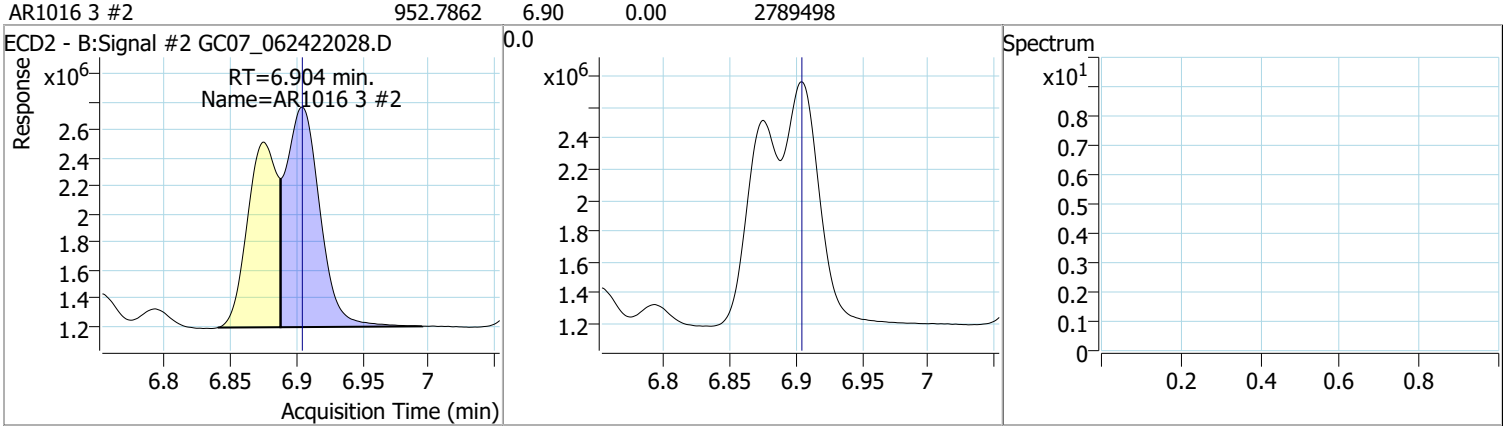
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	932.2062	6.37	0.00	7134339				



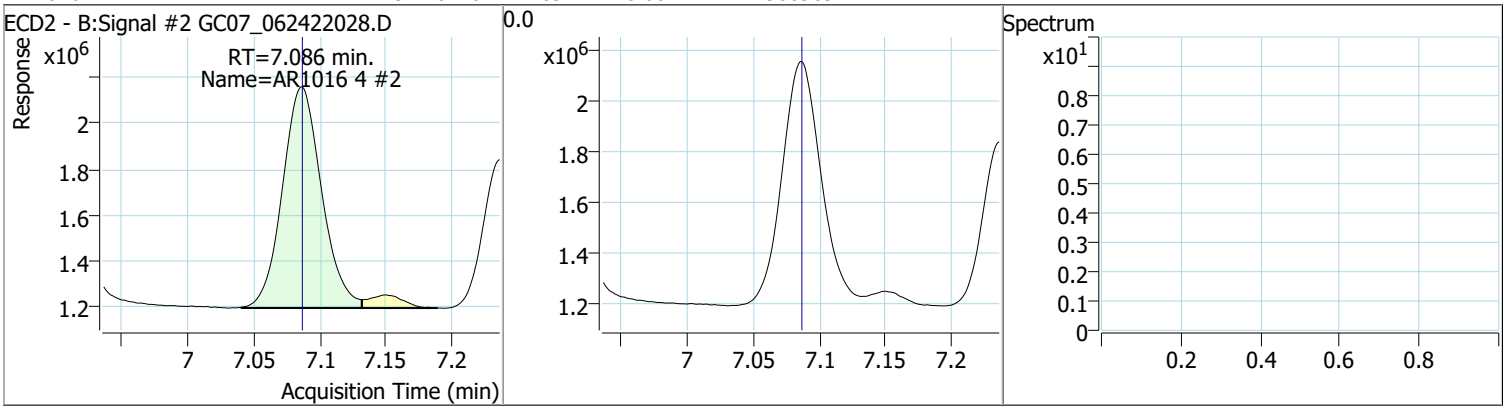
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	926.5065	6.84	0.00	5906326				



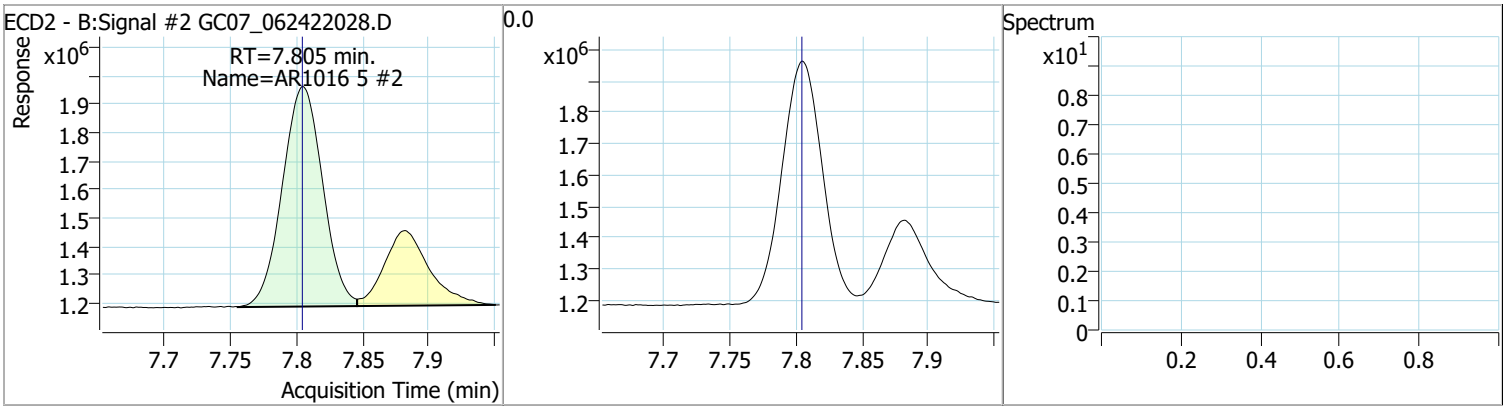
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	952.7862	6.90	0.00	2789498				



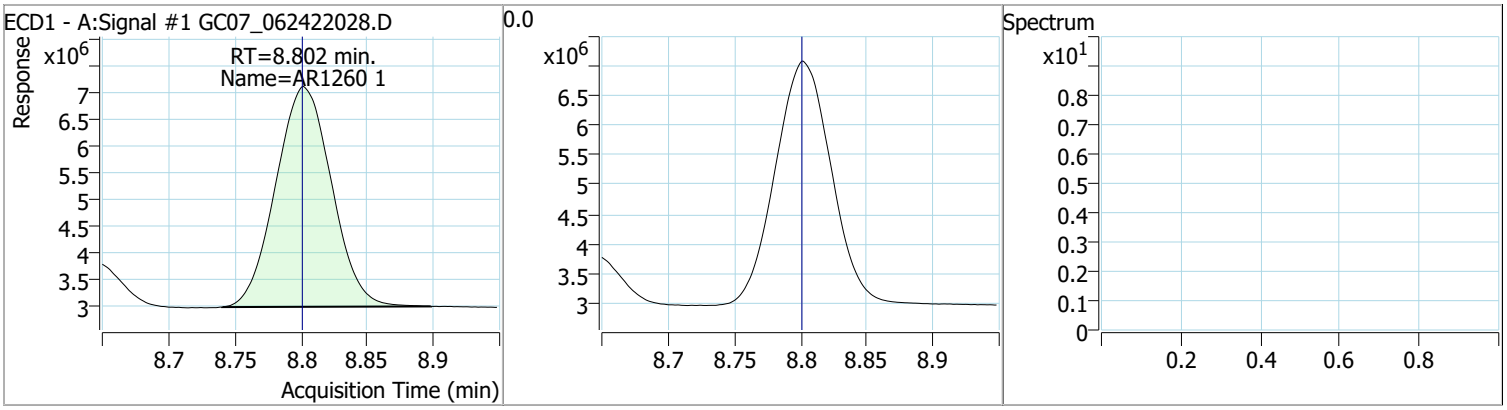
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	974.8710	7.09	0.00	1980909				



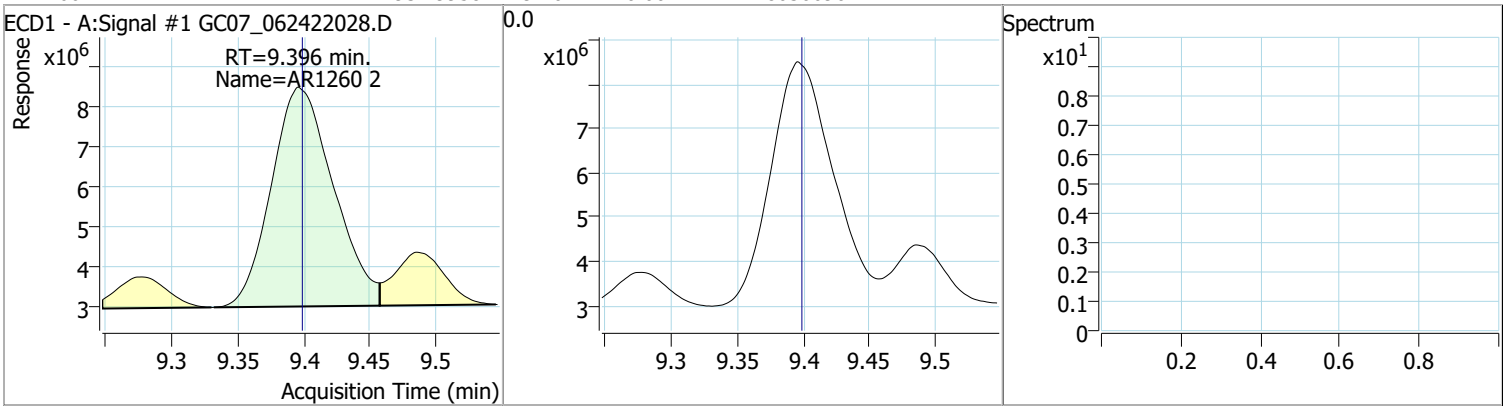
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	963.1093	7.81	0.00	1634773				



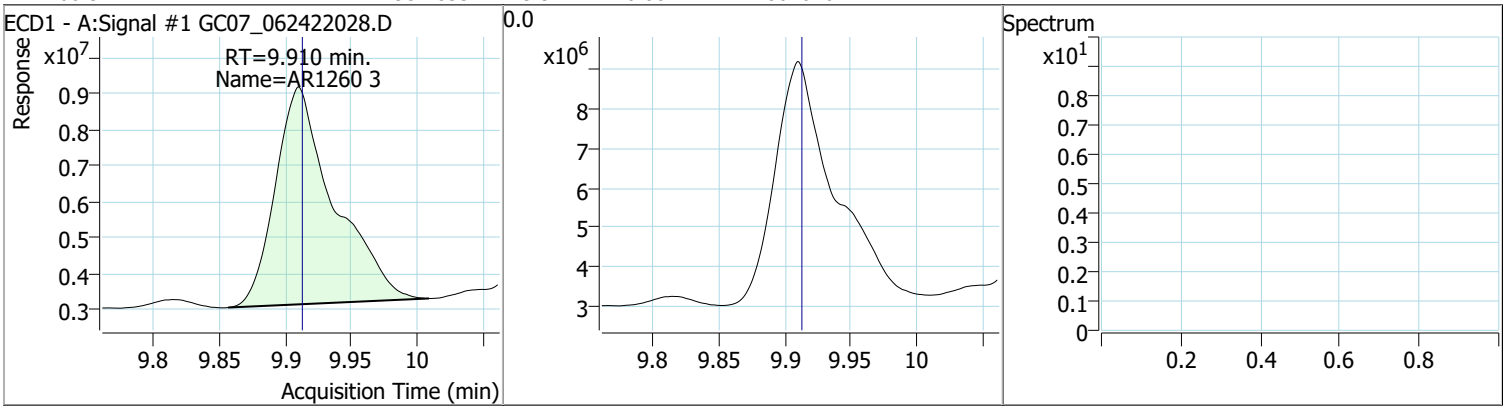
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	902.6463	8.80	0.00	12151493				



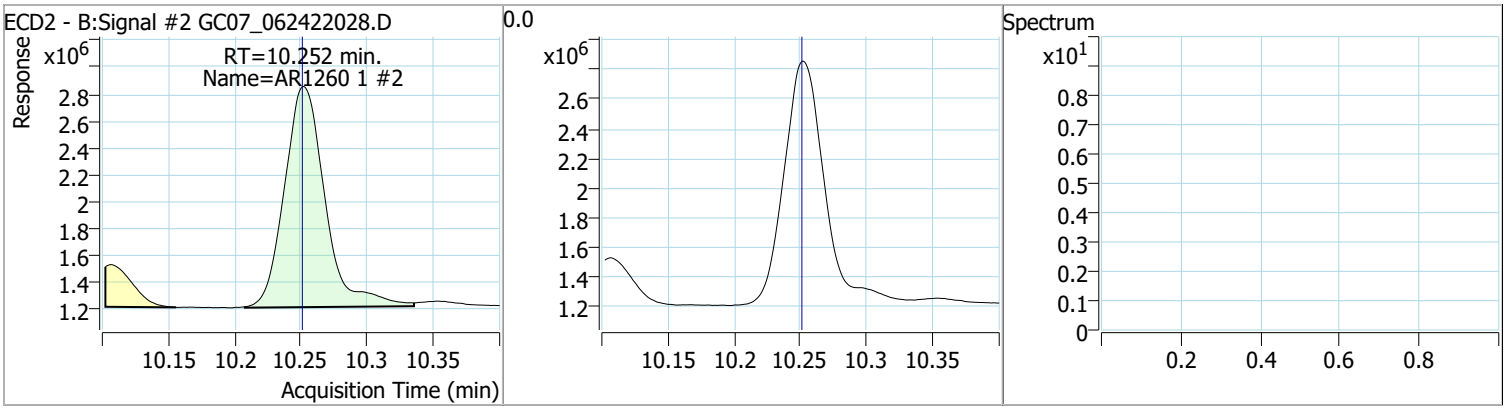
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	932.9958	9.40	0.00	18030090				



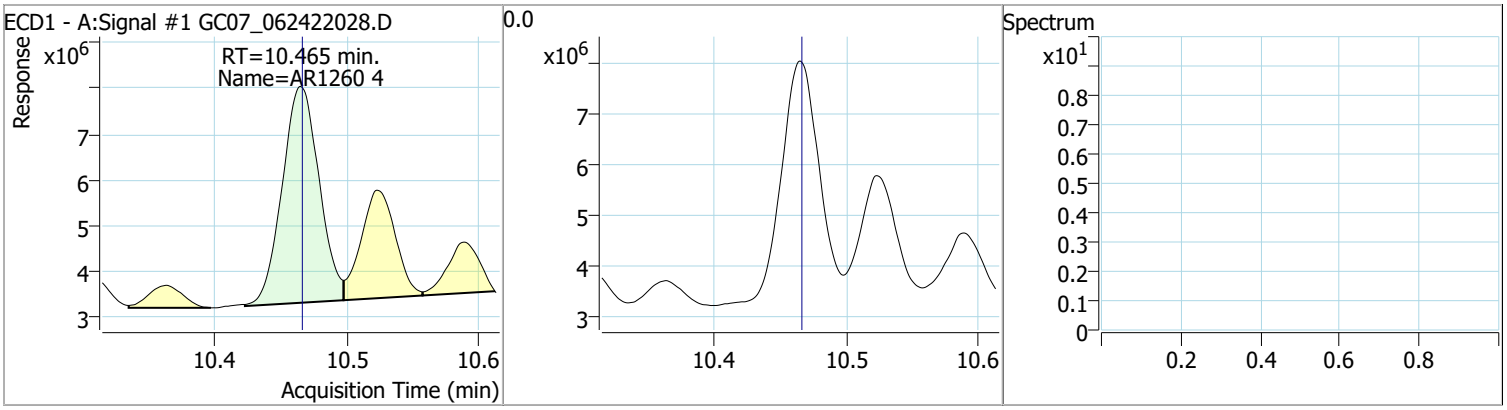
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	951.8337	9.91	0.00	18640207				



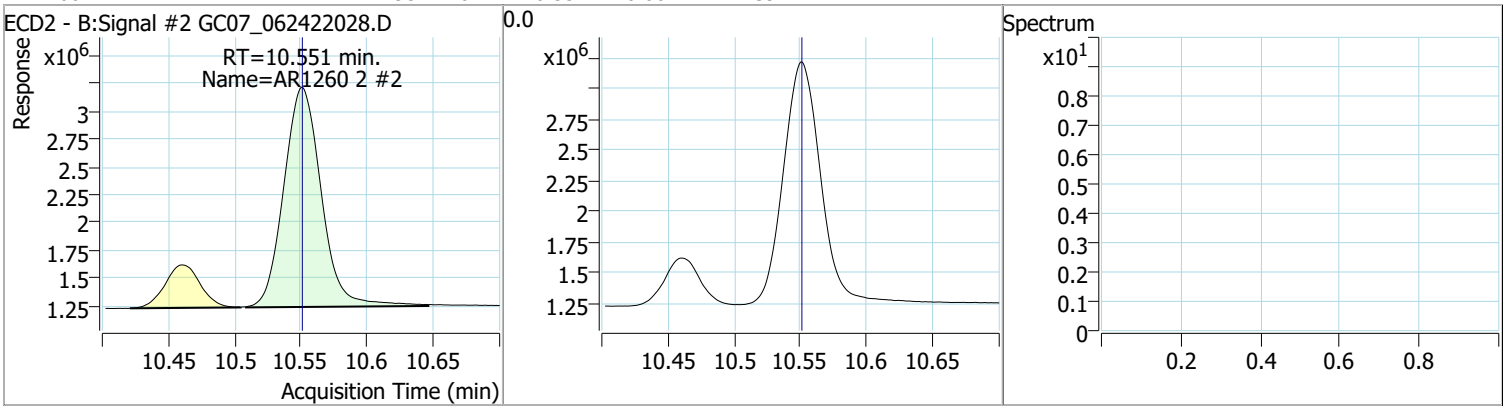
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	955.5756	10.25	0.00	3522415				



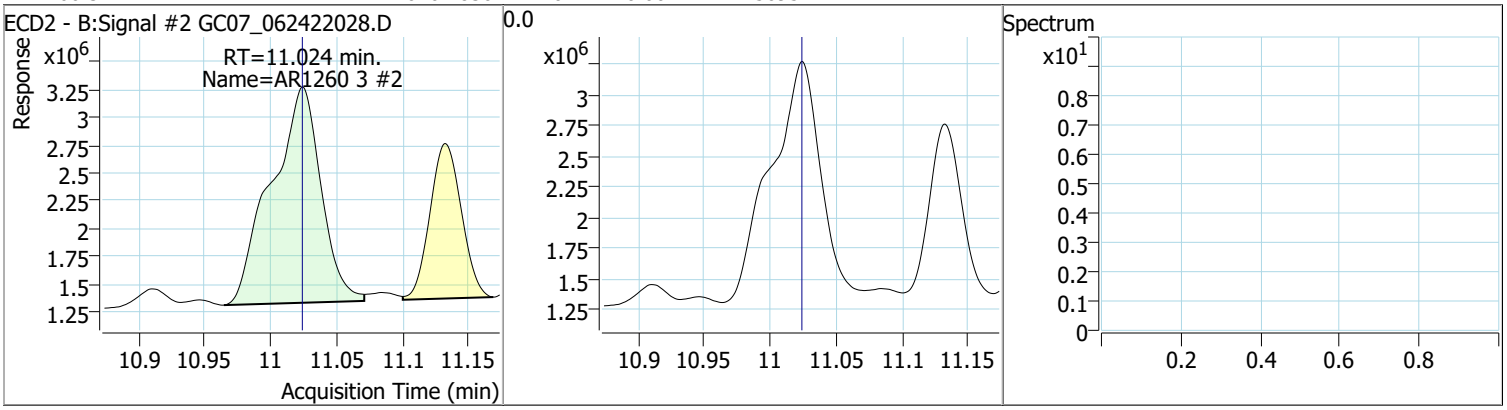
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	922.4963	10.47	0.00	9235324				



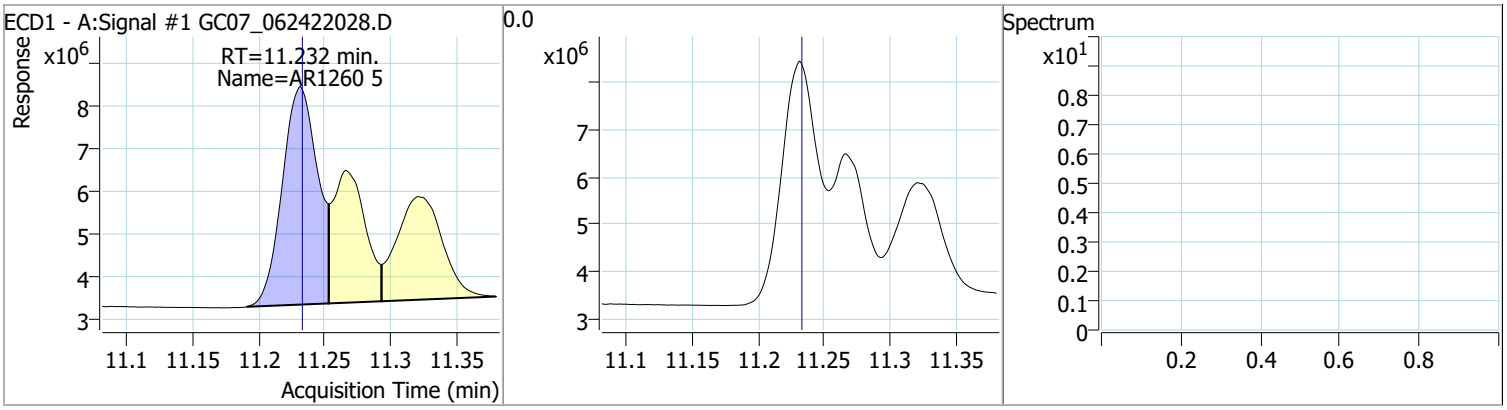
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	957.4764	10.55	0.00	3921214				



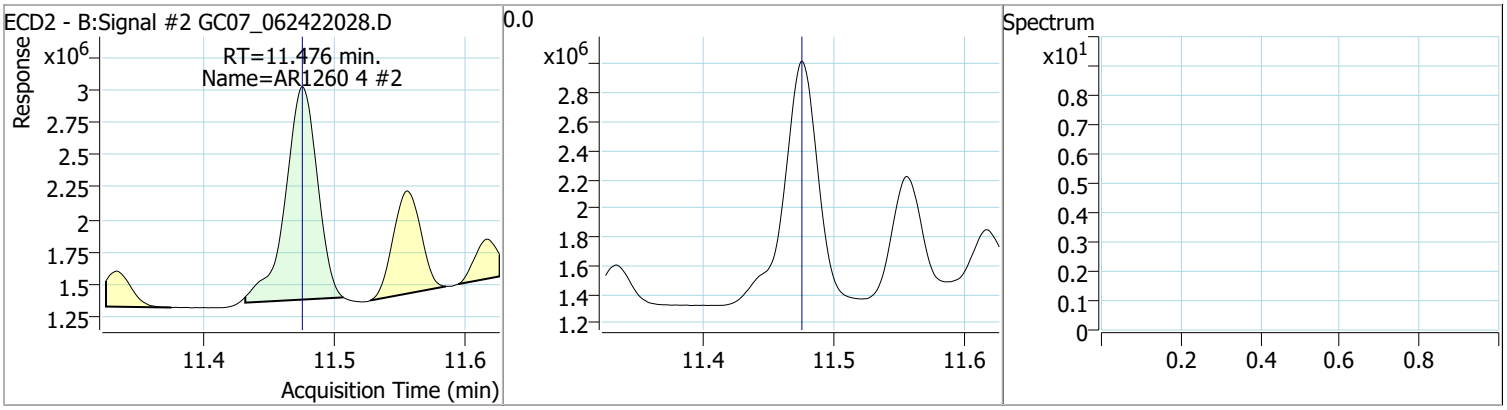
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1010.7830	11.02	0.00	5095147				



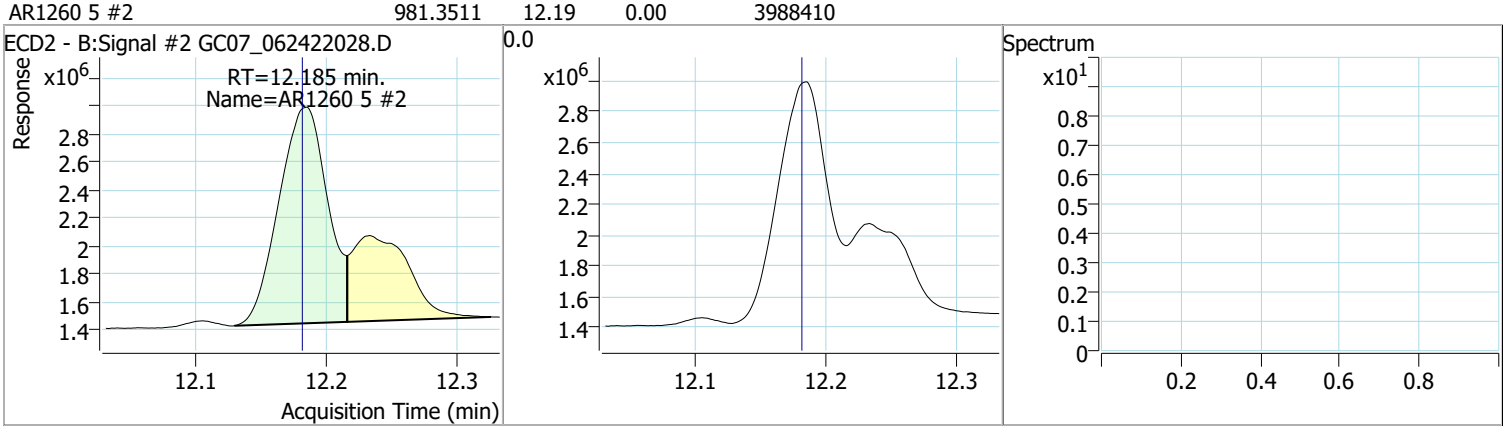
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1028.7645	11.23	0.00	9455583				



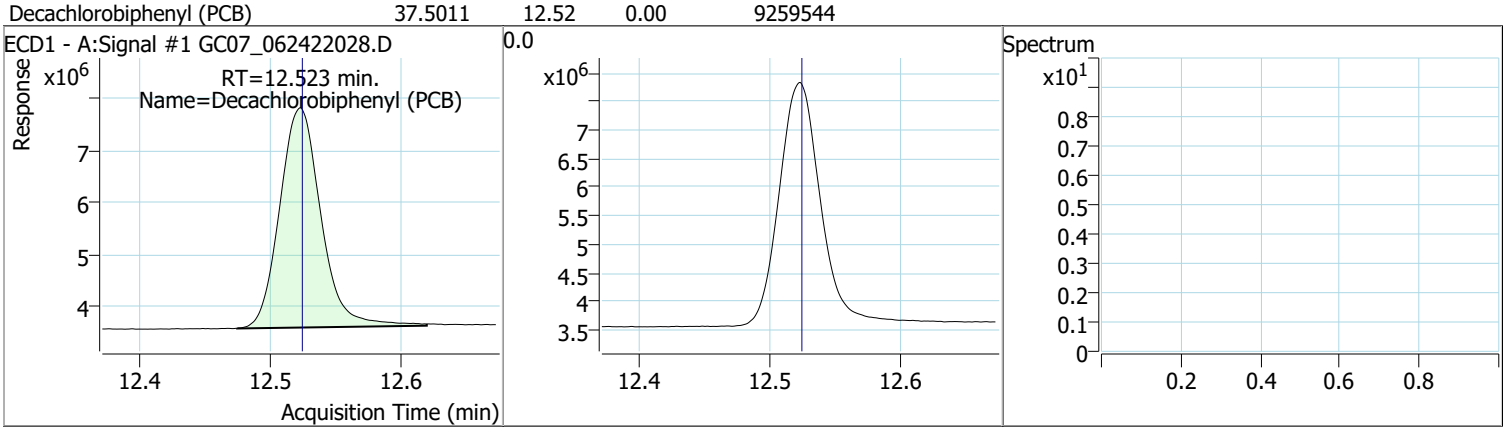
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	979.0076	11.48	0.00	2768820				



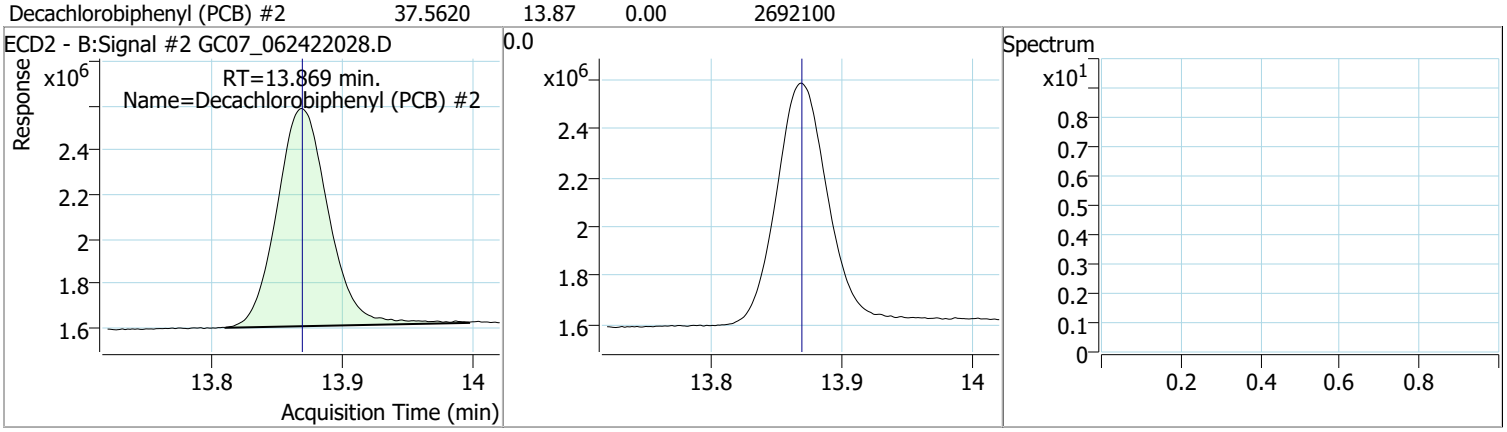
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	981.3511	12.19	0.00	3988410				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	37.5011	12.52	0.00	9259544				

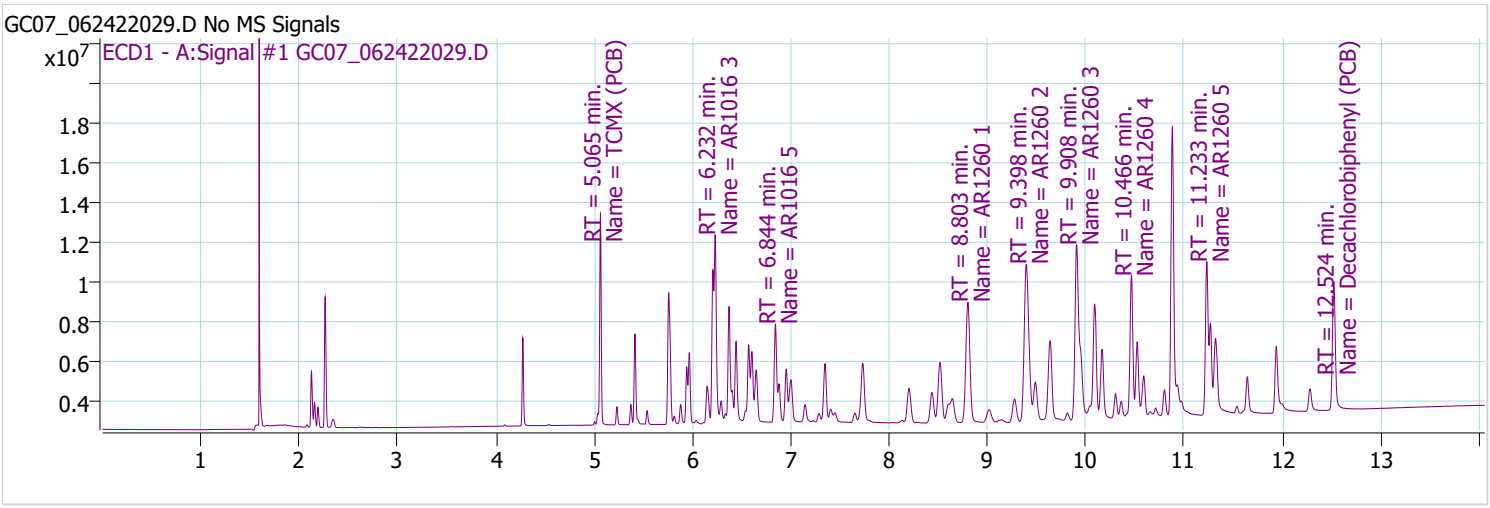


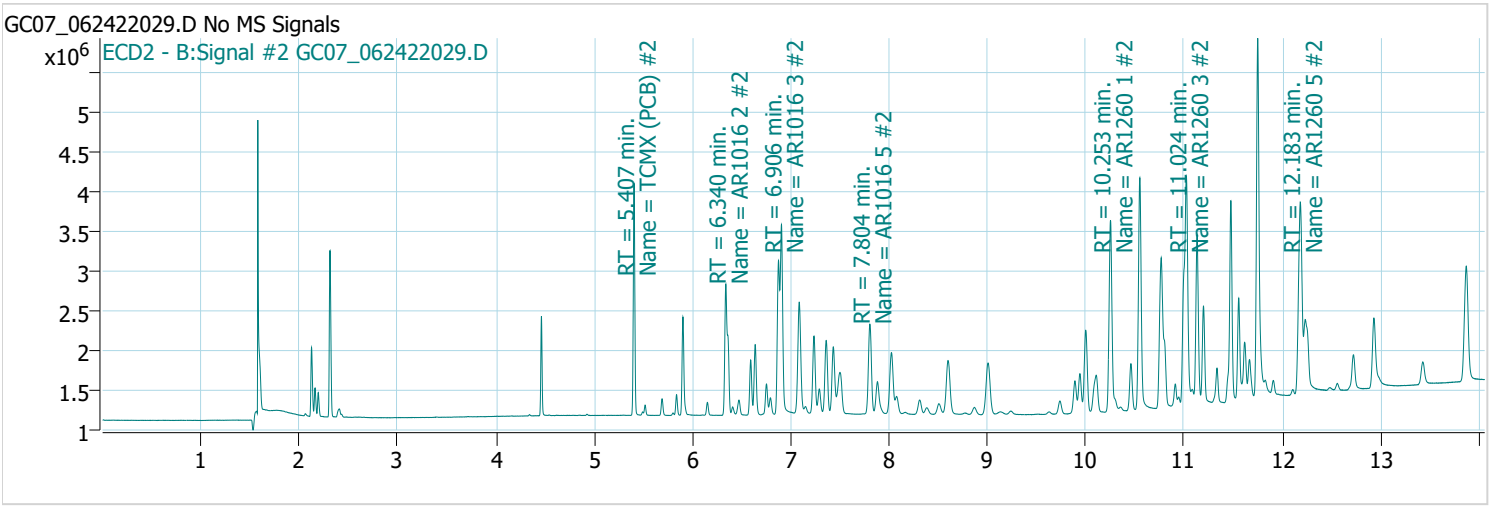
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	37.5620	13.87	0.00	2692100				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422029.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 2:42:11 AM
Sample Name	ICAL, S16726, 1.33	Instrument	SVOA-GC07
Vial	18	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	1500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



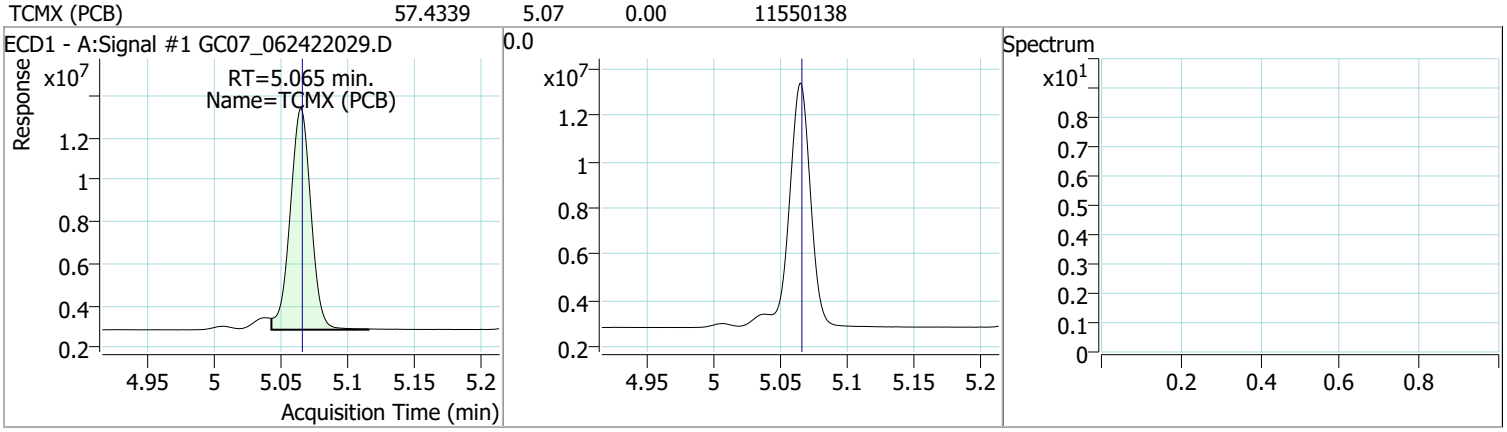


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.276	0.0	4263816.325	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.464	0.0	1124590.024	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.065	0.0	11550138.395	57.4339	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 287.17%		*	
S TCMX (PCB) #2	5.407	0.0	3155269.324	61.8233	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 309.12%		*	
S Decachlorobiphenyl (PCB)	12.524	0.0	13409186.464	56.2981	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 281.49%		*	
S Decachlorobiphenyl (PCB) #2	13.871	0.0	3975161.839	57.4041	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 287.02%		*	
Target Compounds							QValue

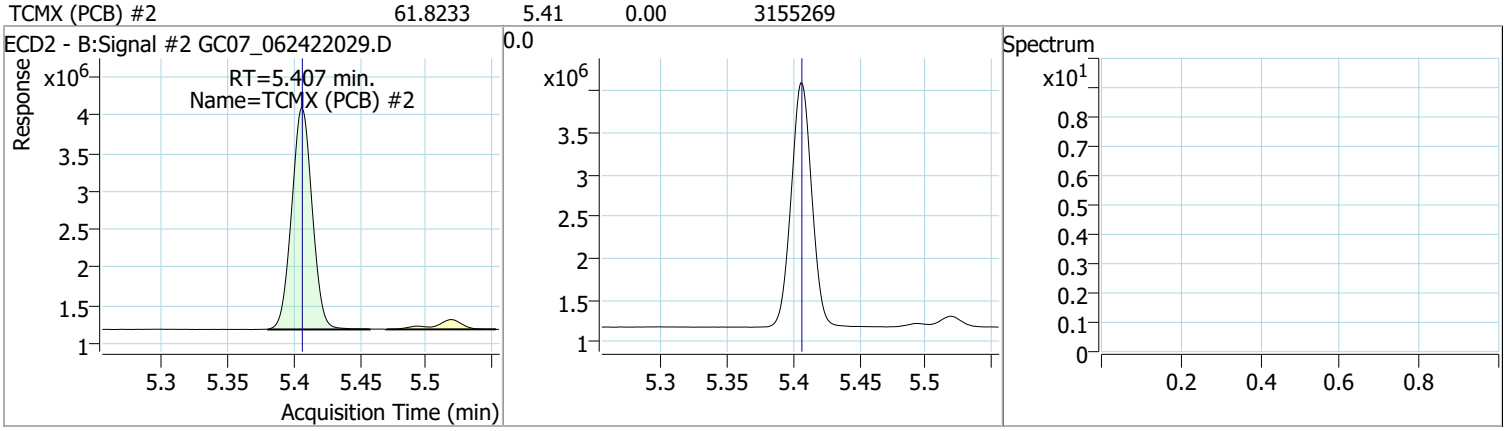
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.416	0.0	5569331.335	1361.5121	ng/ml	m	100
T AR1016 2	5.759	0.0	11740776.165	1324.3149	ng/ml		100
T AR1016 1 #2	5.903	0.0	1649630.487	1456.6039	ng/ml		100
T AR1016 3	6.232	0.0	14345444.160	1397.3492	ng/ml		100
T AR1016 2 #2	6.340	0.0	3519153.248	1427.0129	ng/ml		100
T AR1016 4	6.373	0.0	10172884.119	1377.9680	ng/ml	m	100
T AR1016 5	6.844	0.0	8352834.238	1358.3187	ng/ml		100
T AR1016 3 #2	6.906	0.0	4146580.849	1465.8500	ng/ml		100
T AR1016 4 #2	7.086	0.0	2922966.049	1488.7998	ng/ml		100
T AR1016 5 #2	7.804	0.0	2413964.960	1471.9029	ng/ml		100
T AR1260 1	8.803	0.0	17324159.160	1334.0648	ng/ml		100
T AR1260 2	9.398	0.0	25967953.560	1393.0166	ng/ml		100
T AR1260 3	9.908	0.0	27408889.638	1450.9036	ng/ml		100
T AR1260 1 #2	10.253	0.0	5120287.160	1437.6357	ng/ml		100
T AR1260 4	10.466	0.0	13414288.239	1389.0468	ng/ml		100
T AR1260 2 #2	10.551	0.0	5770452.829	1458.3018	ng/ml		100
T AR1260 3 #2	11.024	0.0	7592679.609	1558.9287	ng/ml		100
T AR1260 5	11.233	0.0	14417231.110	1626.0963	ng/ml		100
T AR1260 4 #2	11.477	0.0	4132961.015	1512.4557	ng/ml		100
T AR1260 5 #2	12.183	0.0	5965821.103	1519.2348	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

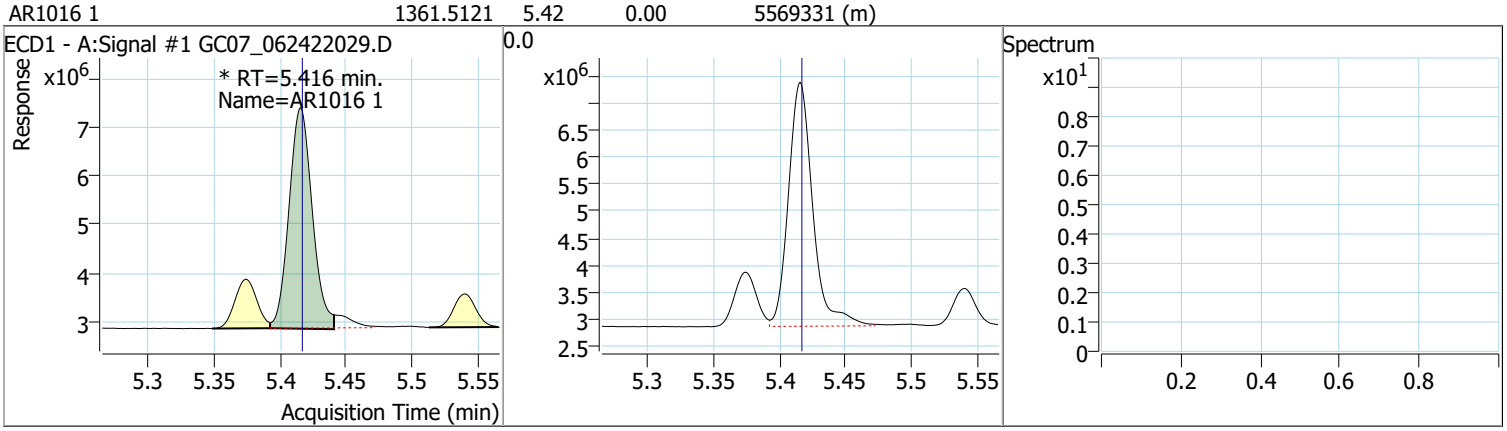
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	57.4339	5.07	0.00	11550138				



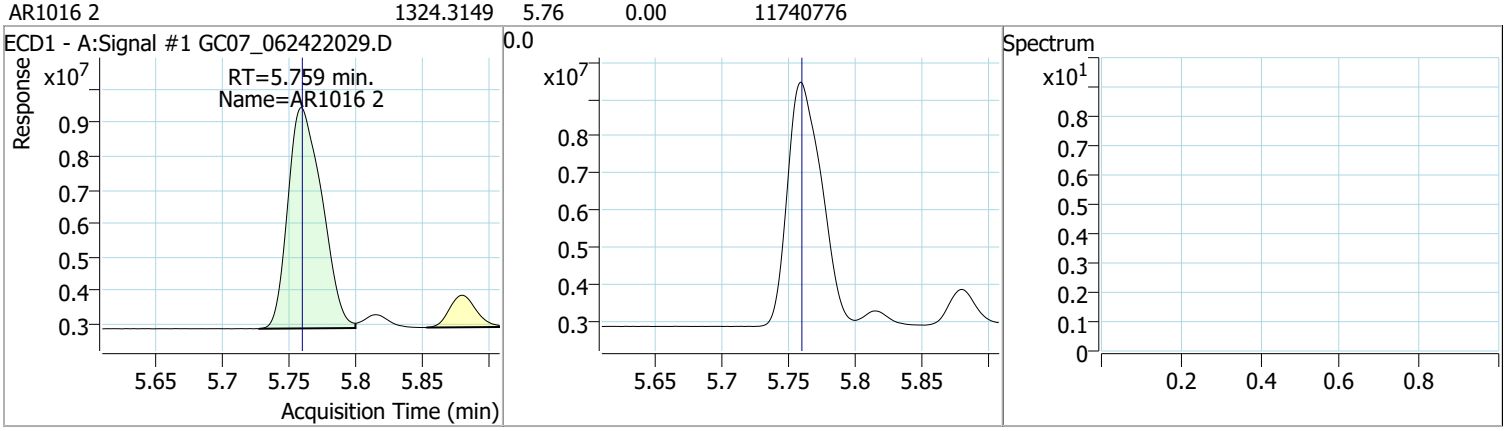
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	61.8233	5.41	0.00	3155269				



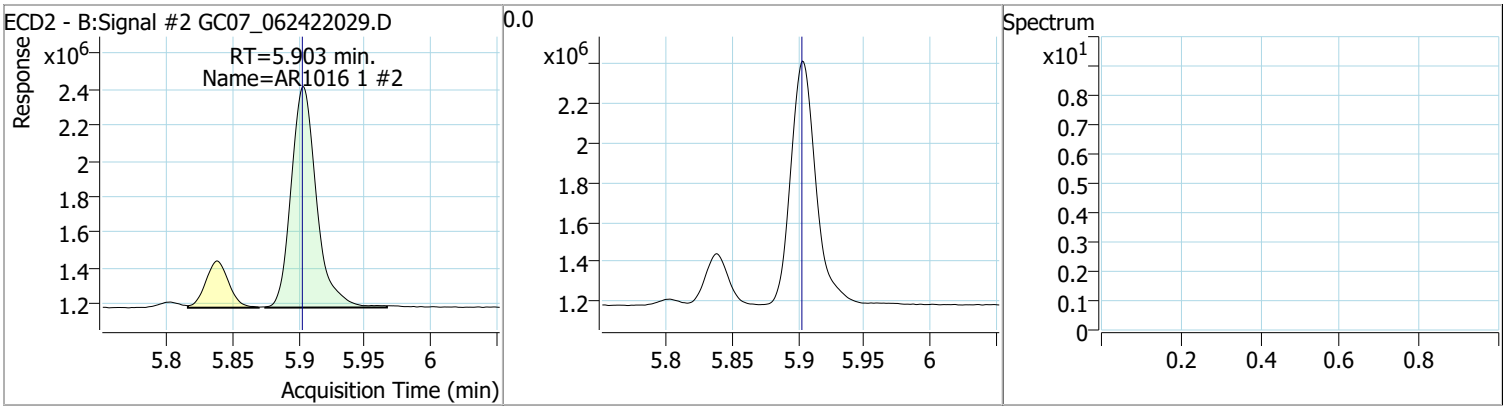
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1361.5121	5.42	0.00	5569331 (m)				



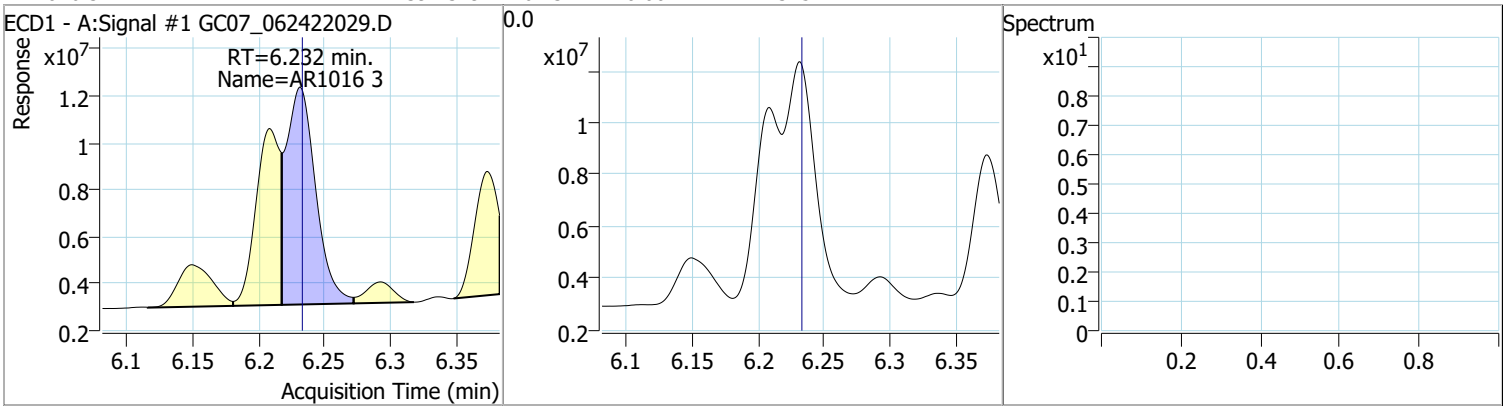
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1324.3149	5.76	0.00	11740776				



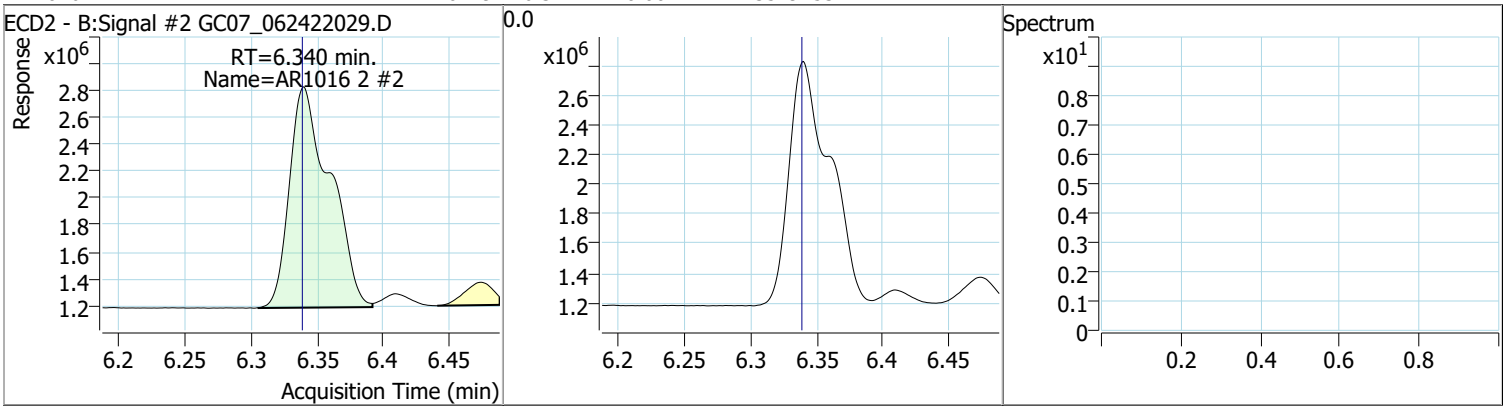
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1456.6039	5.90	0.00	1649630				



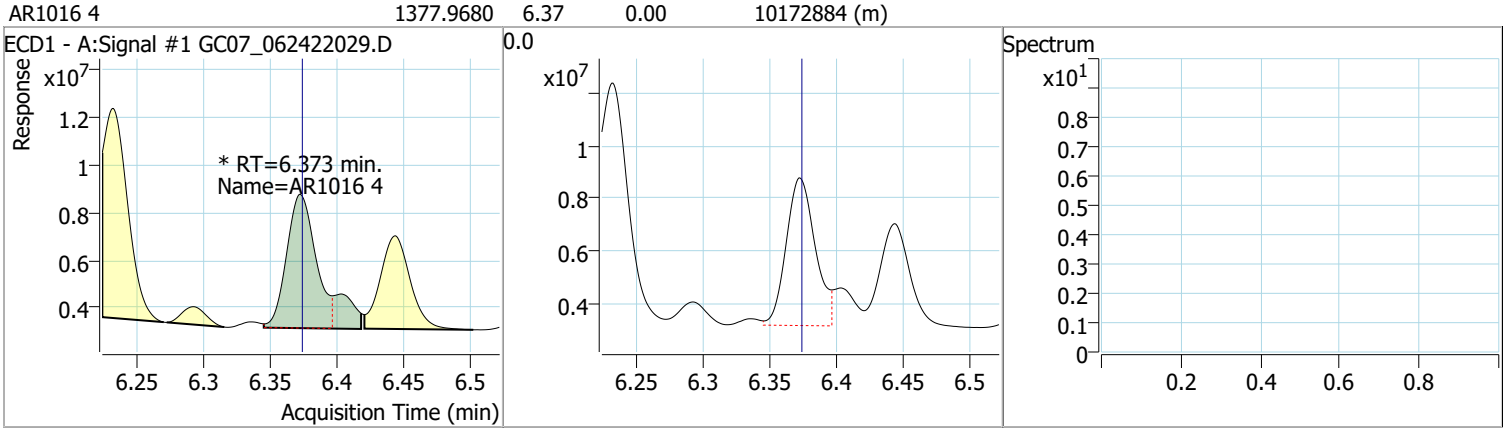
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1397.3492	6.23	0.00	14345444				



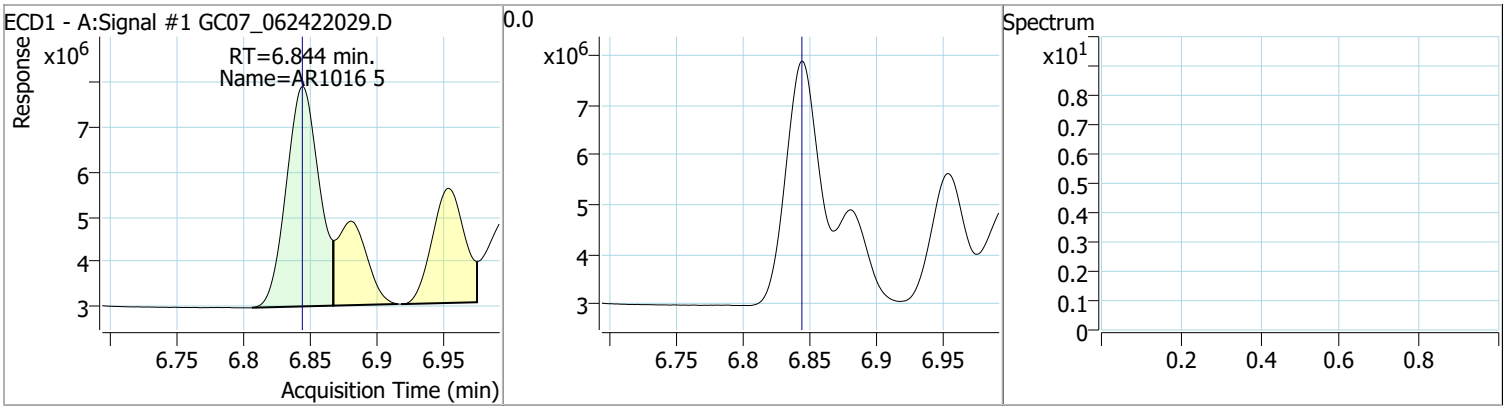
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1427.0129	6.34	0.00	3519153				



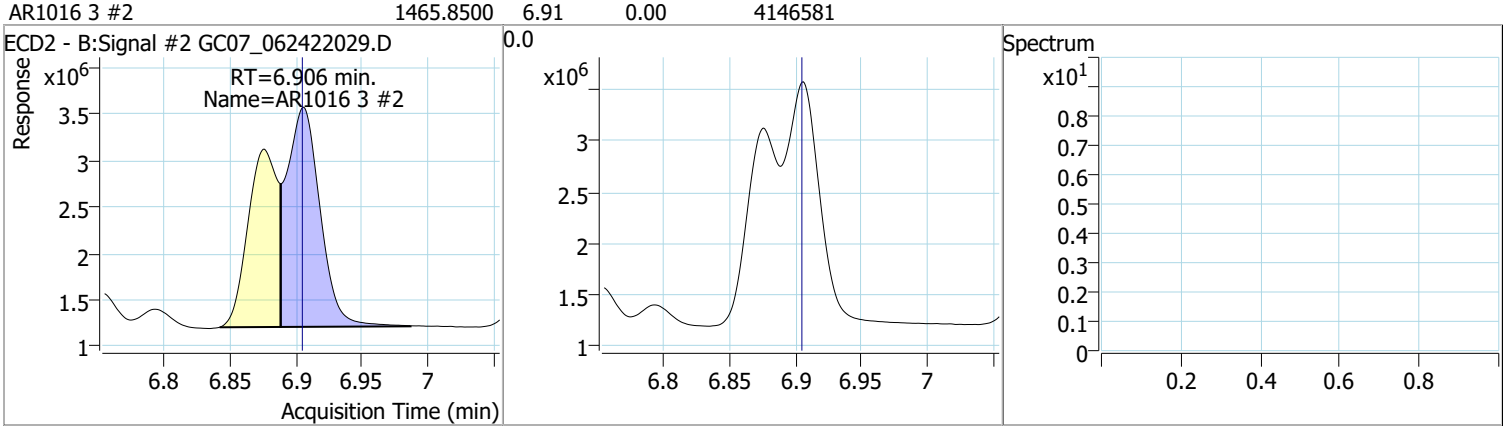
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1377.9680	6.37	0.00	10172884 (m)				



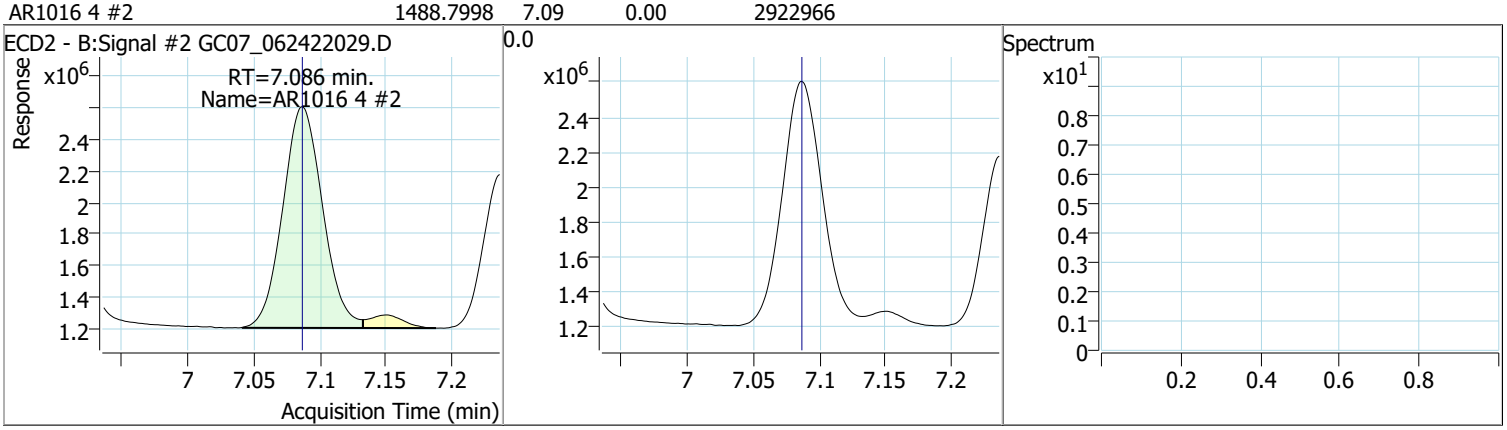
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1358.3187	6.84	0.00	8352834				



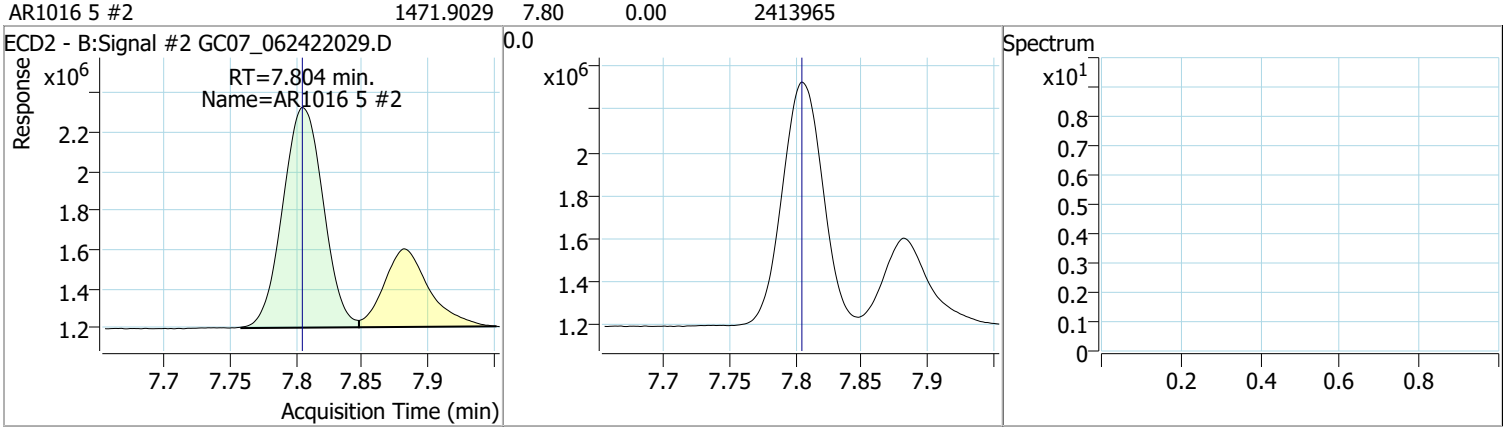
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1465.8500	6.91	0.00	4146581				



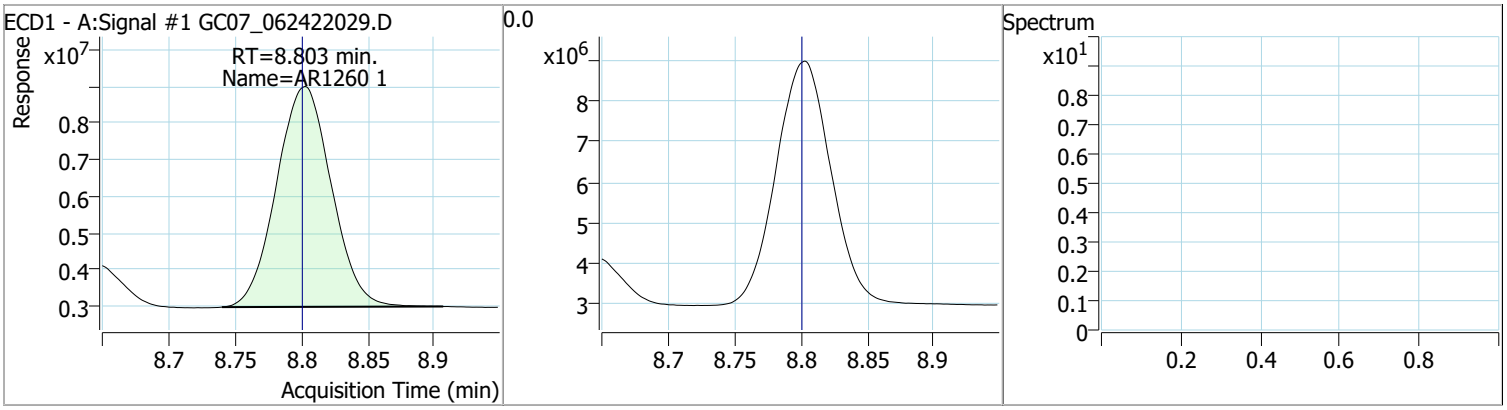
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1488.7998	7.09	0.00	2922966				



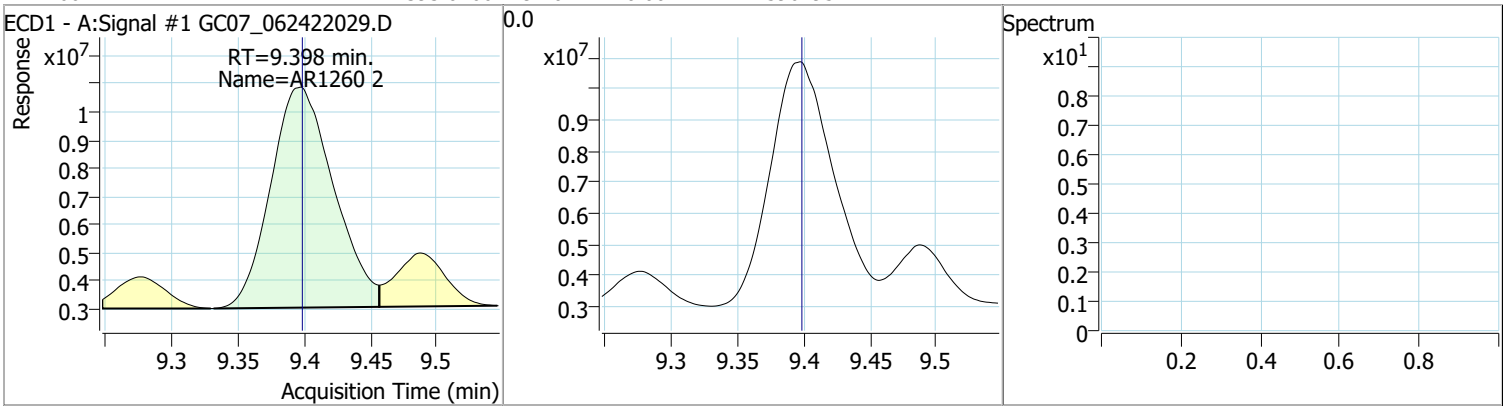
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1471.9029	7.80	0.00	2413965				



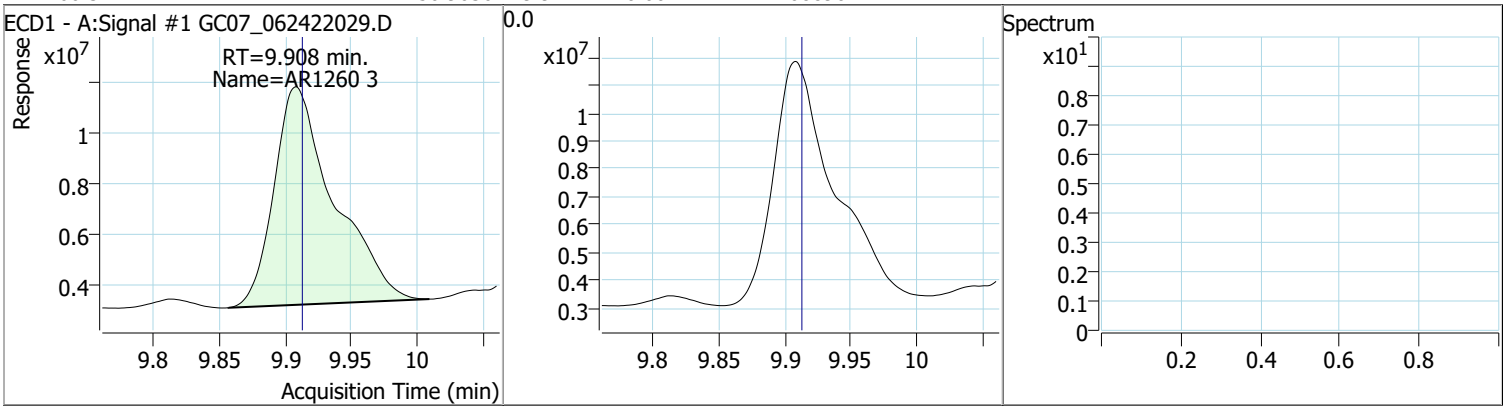
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1334.0648	8.80	0.00	17324159				



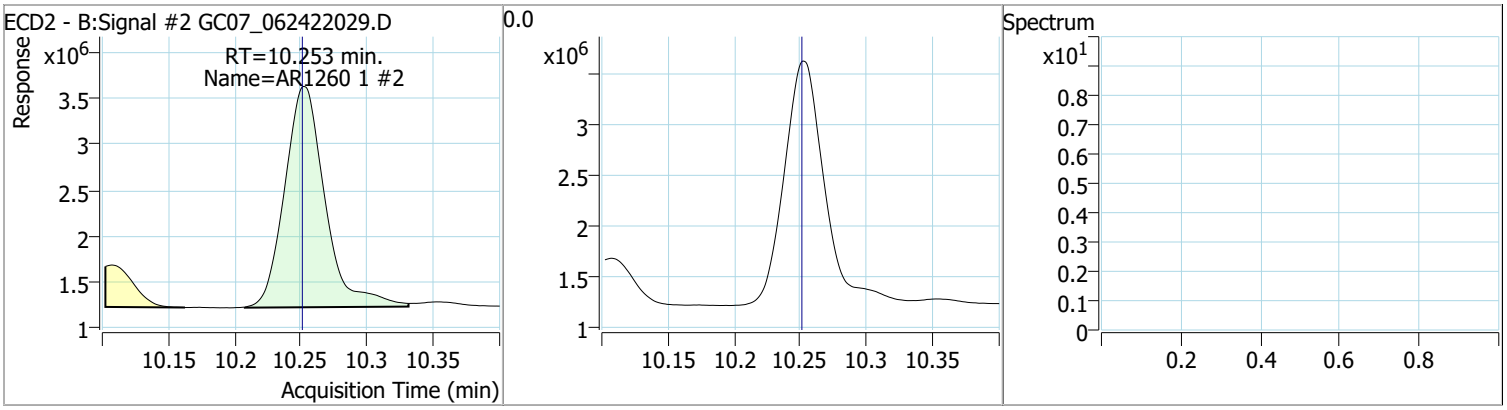
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1393.0166	9.40	0.00	25967954				



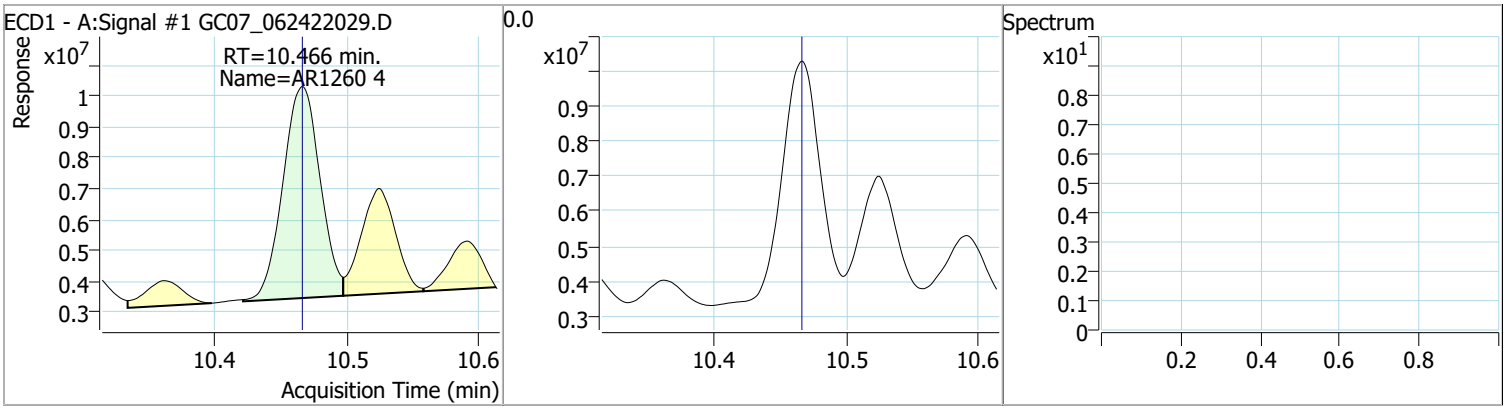
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1450.9036	9.91	0.00	27408890				



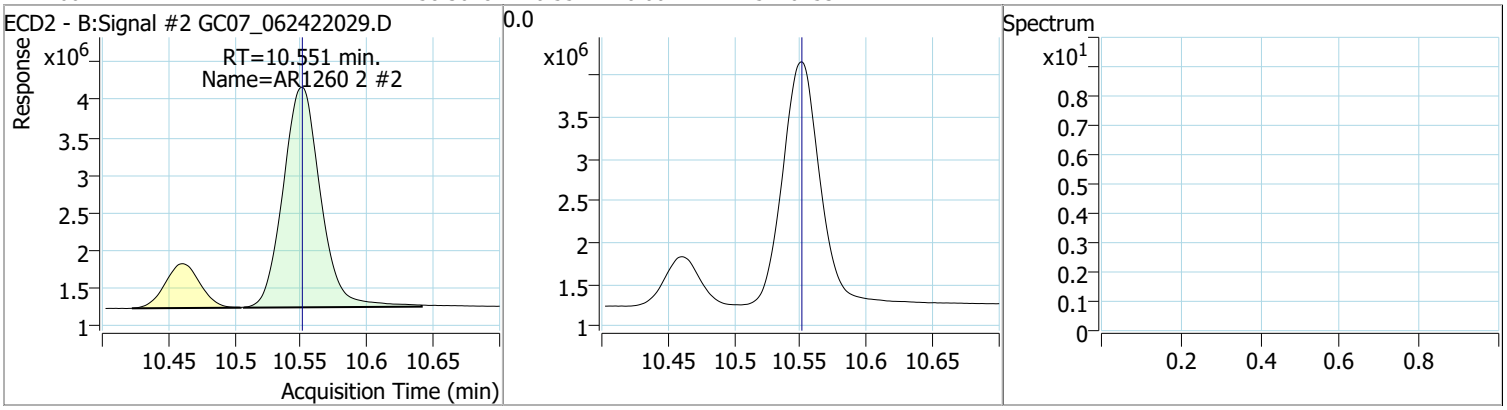
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1437.6357	10.25	0.00	5120287				



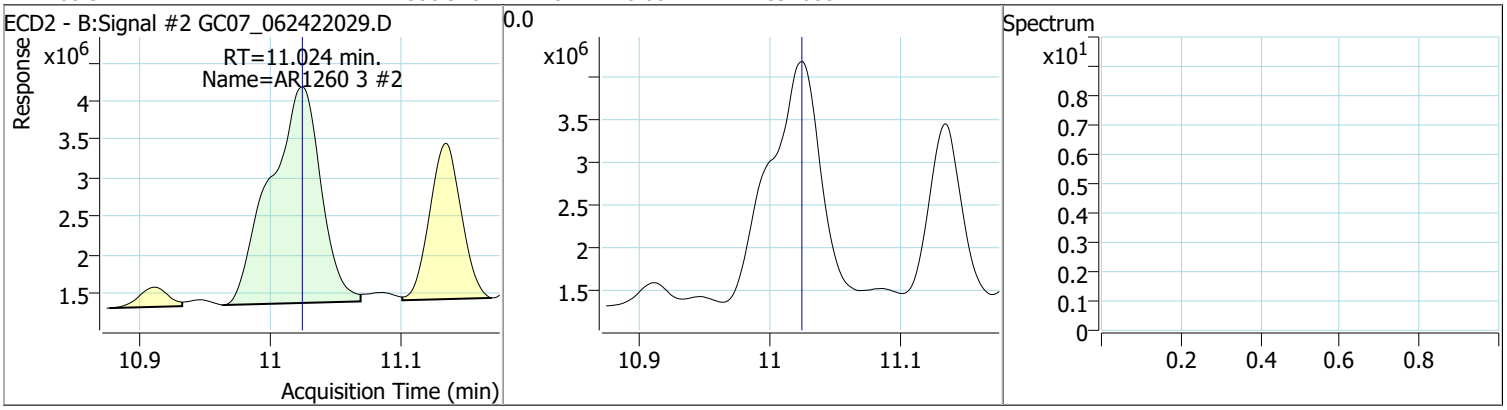
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1389.0468	10.47	0.00	13414288				



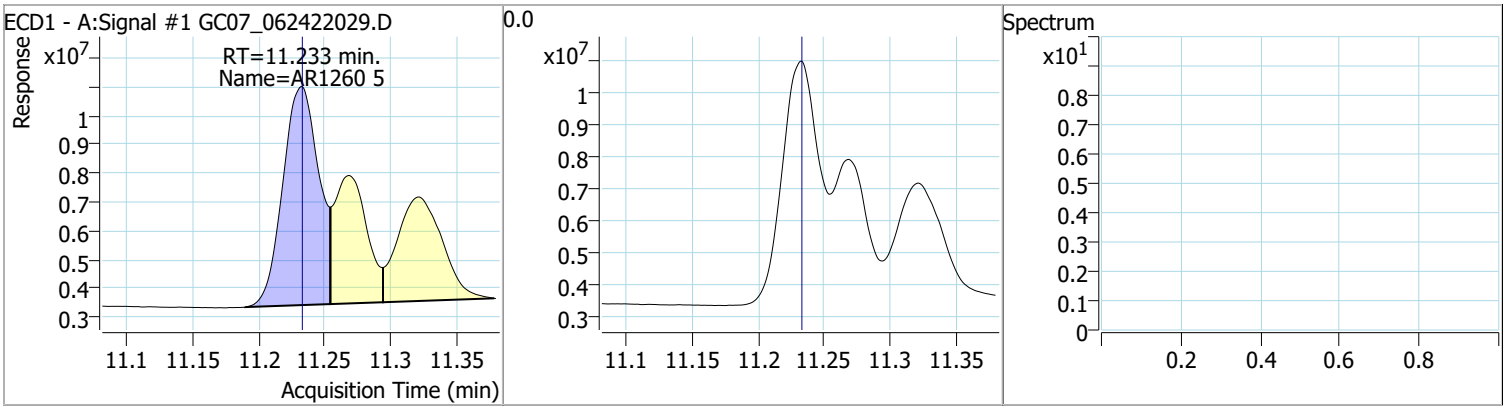
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1458.3018	10.55	0.00	5770453				



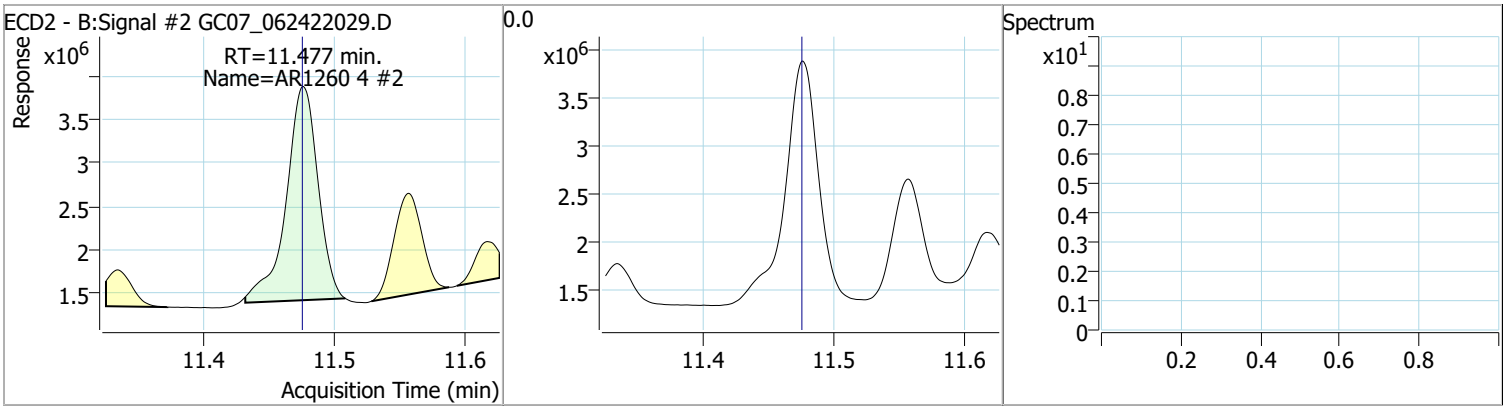
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1558.9287	11.02	0.00	7592680				



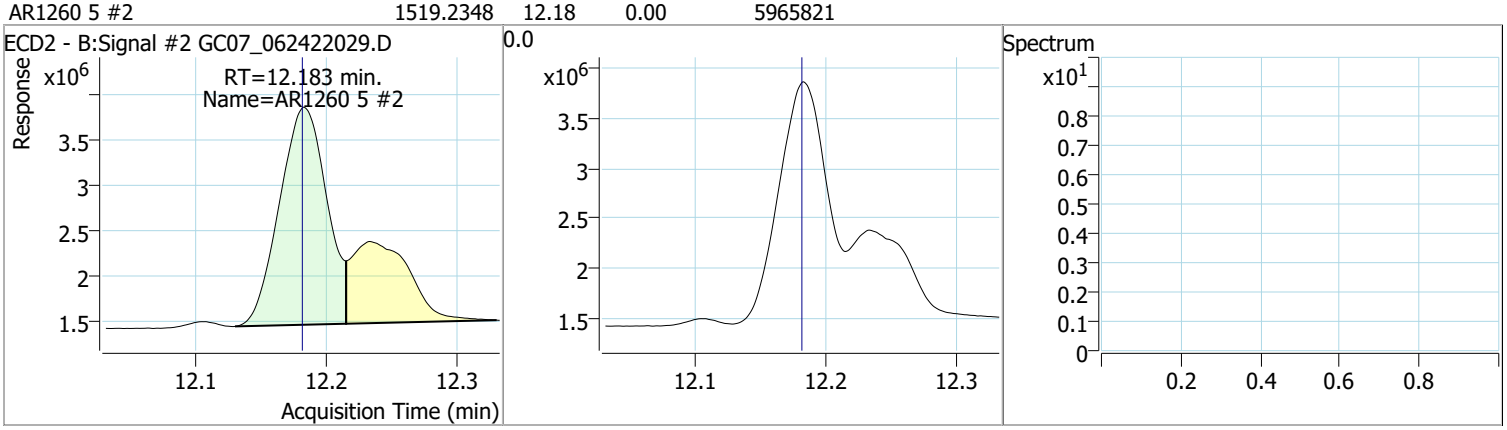
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1626.0963	11.23	0.00	14417231				



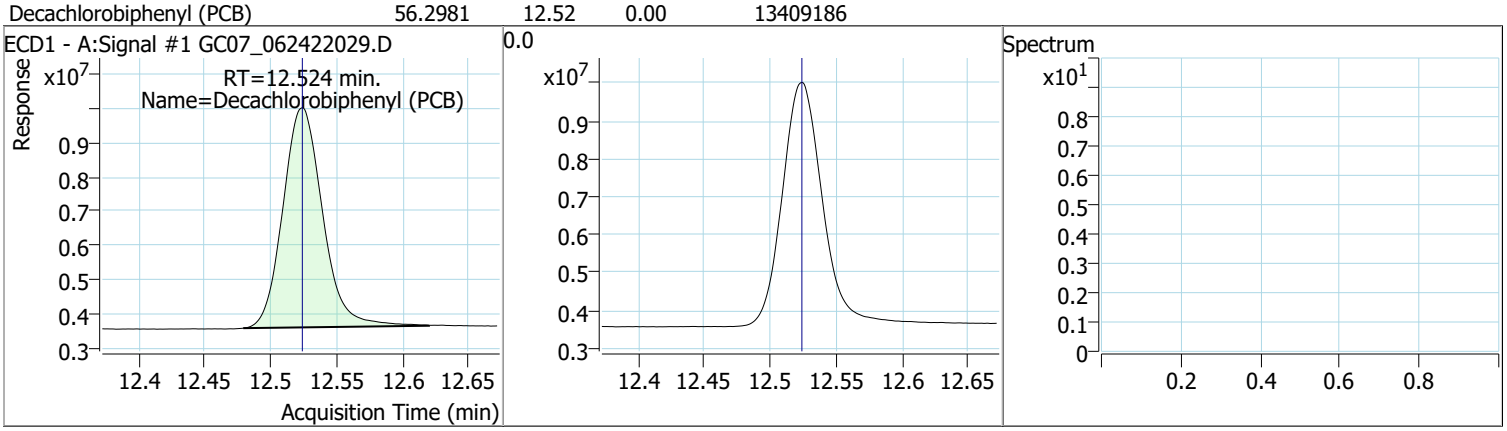
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1512.4557	11.48	0.00	4132961				



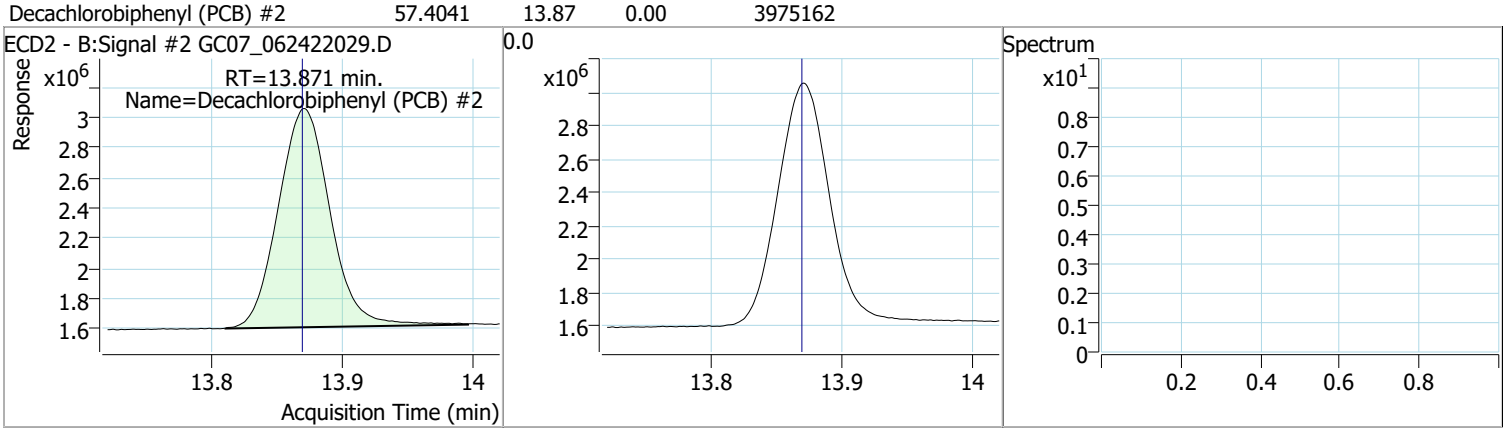
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1519.2348	12.18	0.00	5965821				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	56.2981	12.52	0.00	13409186				

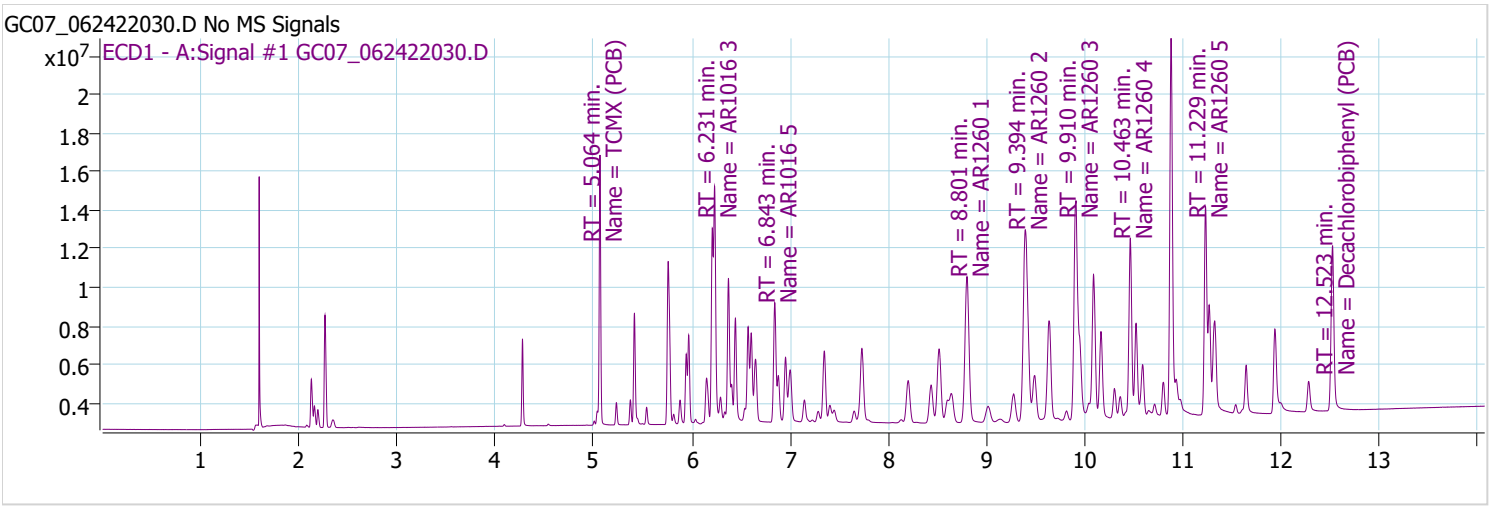


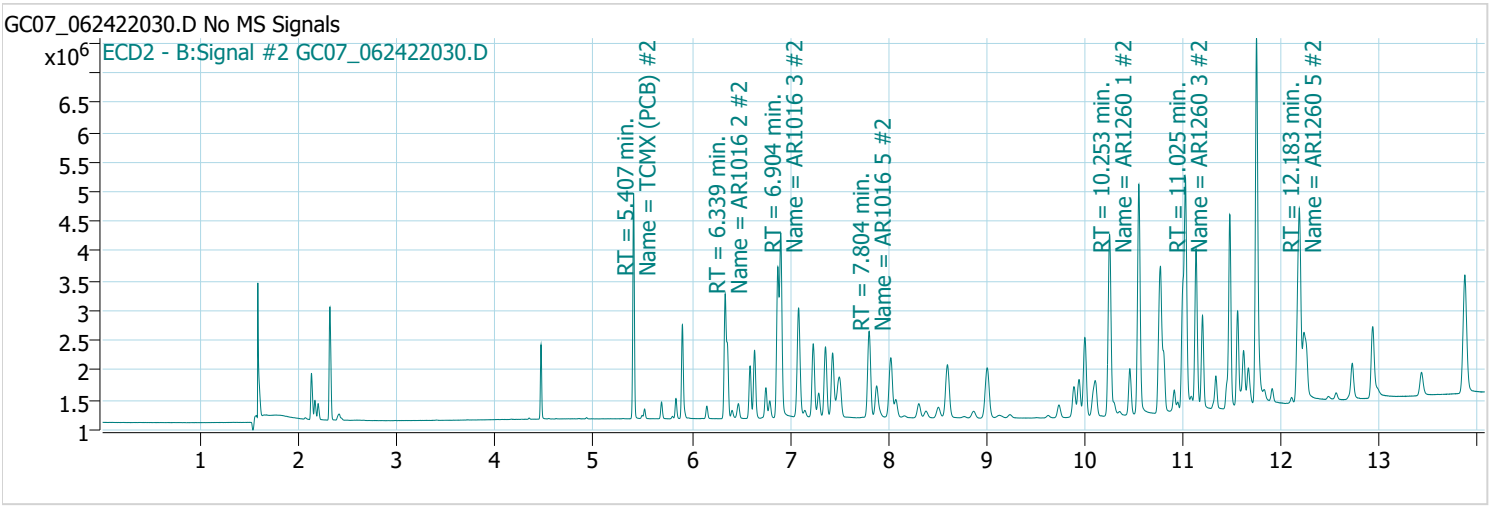
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	57.4041	13.87	0.00	3975162				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422030.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 2:59:43 AM
Sample Name	ICAL, S16726, 1	Instrument	SVOA-GC07
Vial	19	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	2000 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



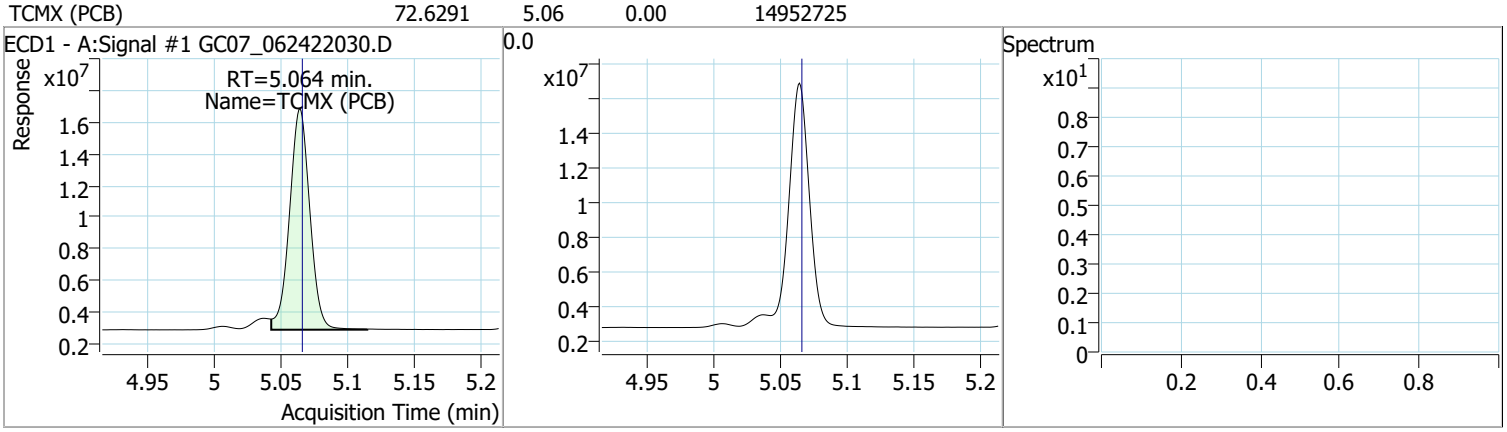


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.276	0.0	4365053.669	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.464	0.0	1150132.386	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.064	0.0	14952724.787	72.6291	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 363.15%		*	
S TCMX (PCB) #2	5.407	0.0	4167605.909	79.8452	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 399.23%		*	
S Decachlorobiphenyl (PCB)	12.523	0.0	17812393.038	73.0503	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 365.25%		*	
S Decachlorobiphenyl (PCB) #2	13.869	0.0	5273262.981	74.4584	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 372.29%		*	
Target Compounds							QValue

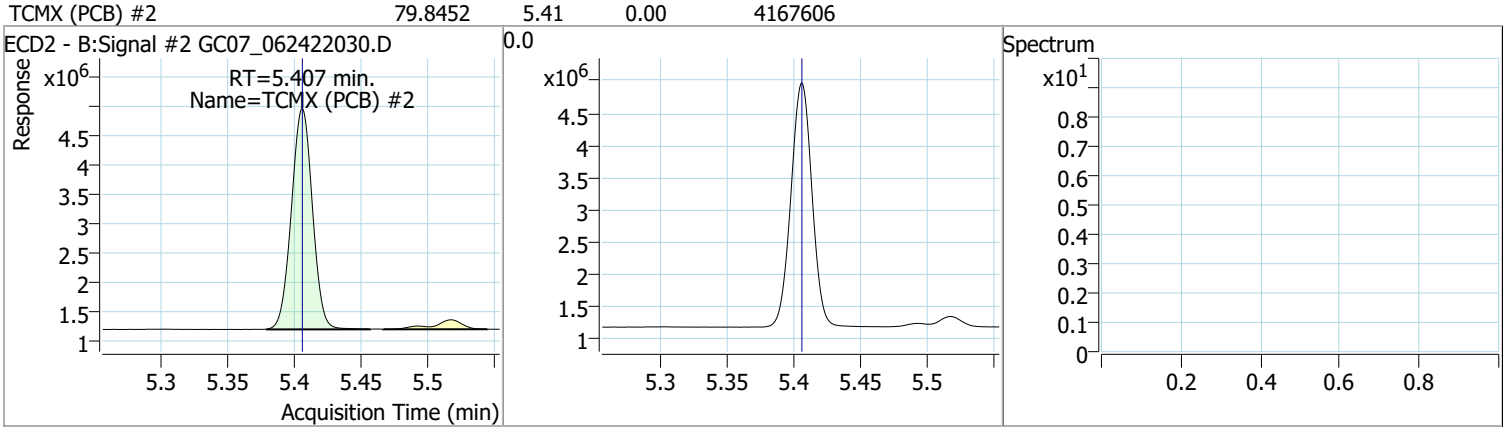
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.415	0.0	7120162.773	1700.2676	ng/ml	m	100
T AR1016 2	5.758	0.0	14810975.461	1631.8755	ng/ml		100
T AR1016 1 #2	5.903	0.0	2120457.254	1830.7570	ng/ml		100
T AR1016 3	6.231	0.0	18039417.481	1716.4153	ng/ml		100
T AR1016 2 #2	6.339	0.0	4491331.880	1780.7840	ng/ml		100
T AR1016 4	6.372	0.0	12967529.525	1715.7784	ng/ml	m	100
T AR1016 5	6.843	0.0	10714001.242	1701.8780	ng/ml		100
T AR1016 3 #2	6.904	0.0	5410319.720	1870.1167	ng/ml		100
T AR1016 4 #2	7.087	0.0	3770733.516	1877.9532	ng/ml		100
T AR1016 5 #2	7.804	0.0	3114359.024	1856.7920	ng/ml		100
T AR1260 1	8.801	0.0	21787980.965	1638.8931	ng/ml		100
T AR1260 2	9.394	0.0	32917120.413	1724.8420	ng/ml		100
T AR1260 3	9.910	0.0	35506795.463	1835.9781	ng/ml		100
T AR1260 1 #2	10.253	0.0	6584362.429	1807.6512	ng/ml		100
T AR1260 4	10.463	0.0	17362852.581	1756.2212	ng/ml		100
T AR1260 2 #2	10.550	0.0	7387670.504	1825.5404	ng/ml		100
T AR1260 3 #2	11.025	0.0	9880982.766	1983.7079	ng/ml		100
T AR1260 5	11.229	0.0	19446571.916	2142.4779	ng/ml		100
T AR1260 4 #2	11.476	0.0	5317223.956	1902.6228	ng/ml		100
T AR1260 5 #2	12.183	0.0	7951541.912	1979.9418	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

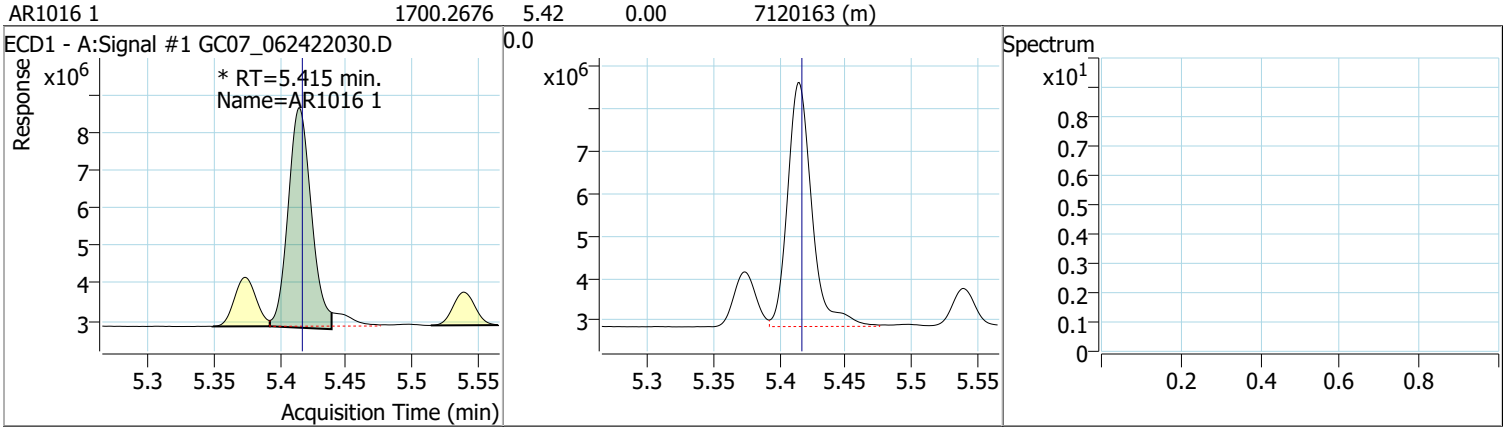
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	72.6291	5.06	0.00	14952725				



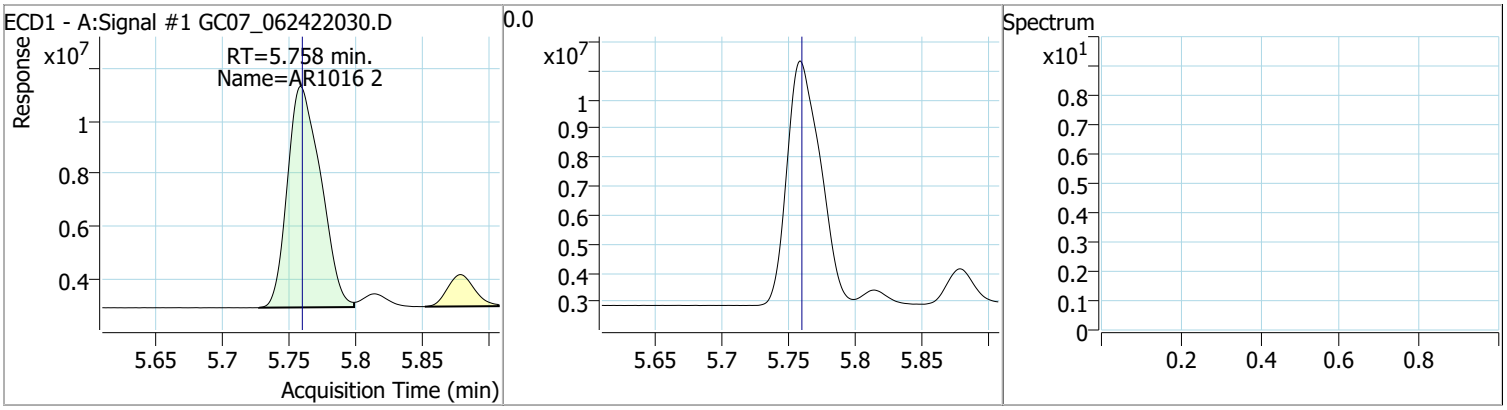
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	79.8452	5.41	0.00	4167606				



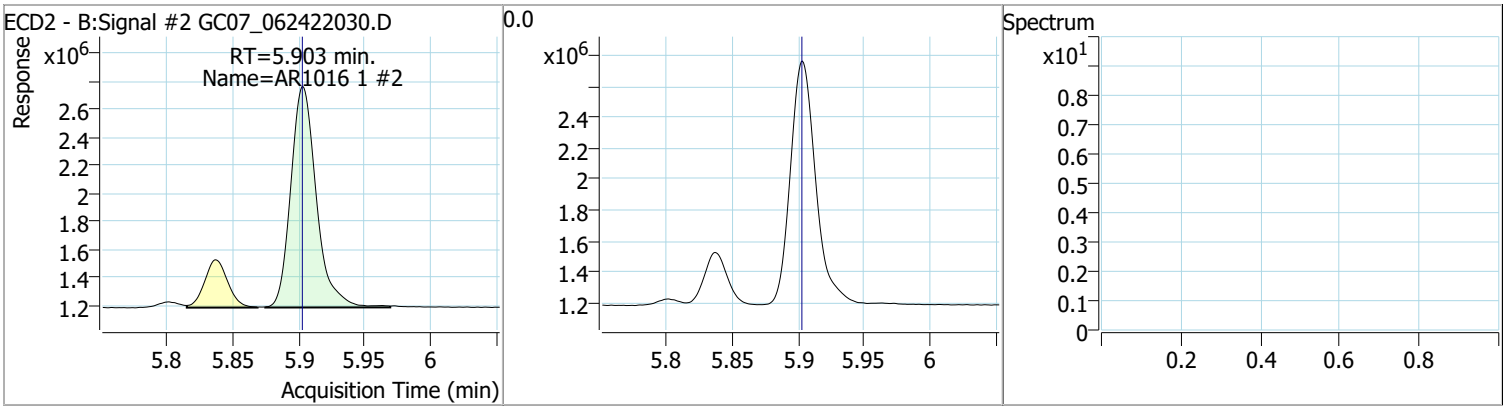
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1700.2676	5.42	0.00	7120163 (m)				



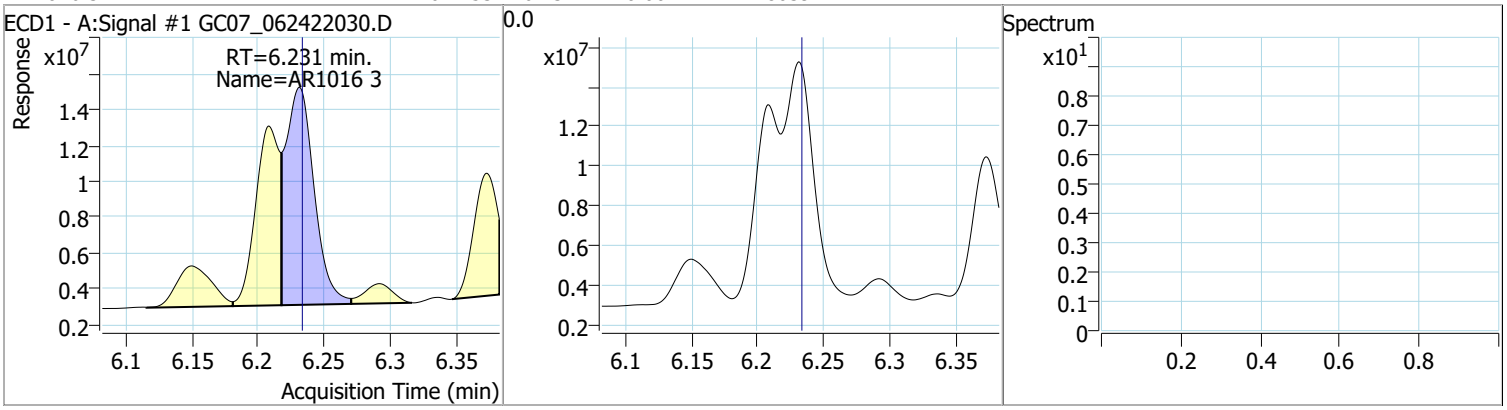
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1631.8755	5.76	0.00	14810975				



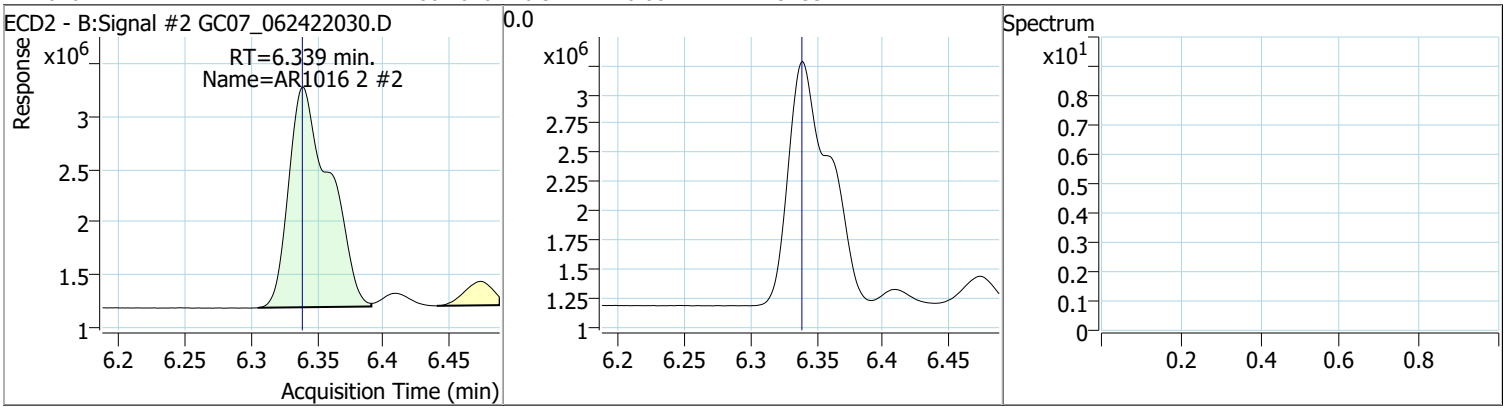
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1830.7570	5.90	0.00	2120457				



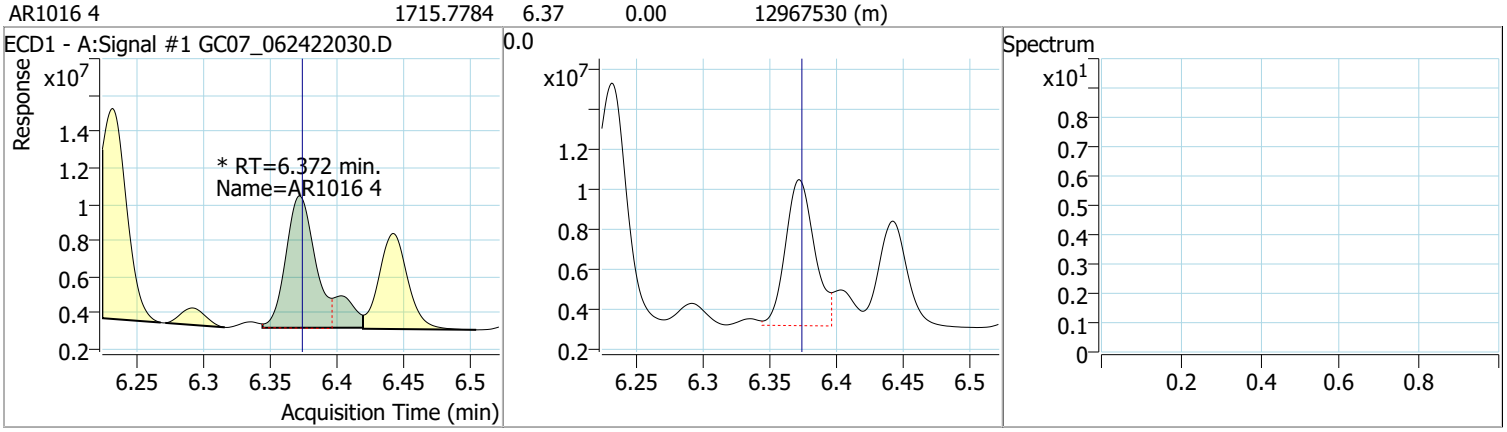
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1716.4153	6.23	0.00	18039417				



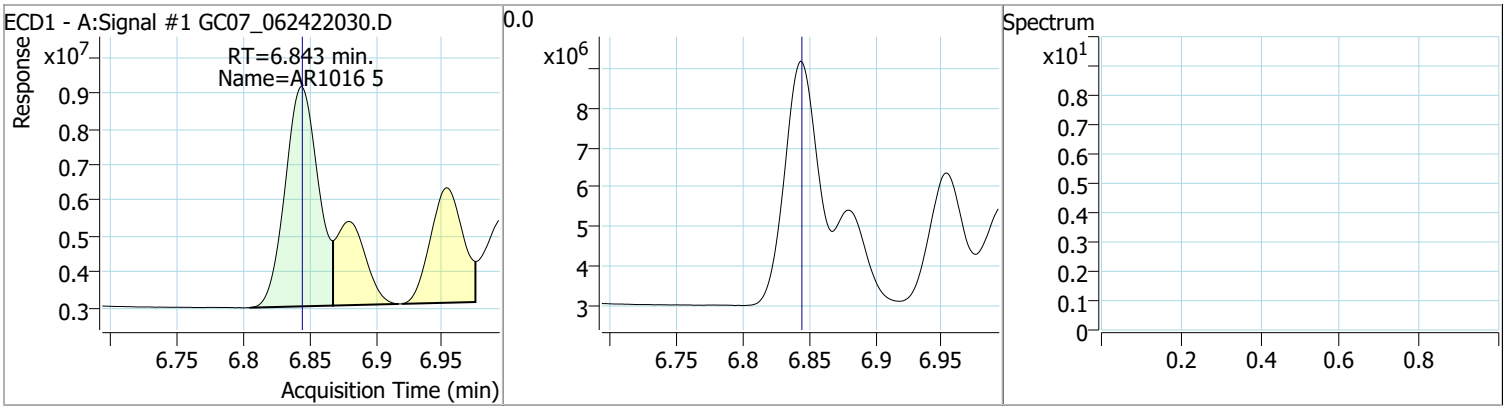
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1780.7840	6.34	0.00	4491332				



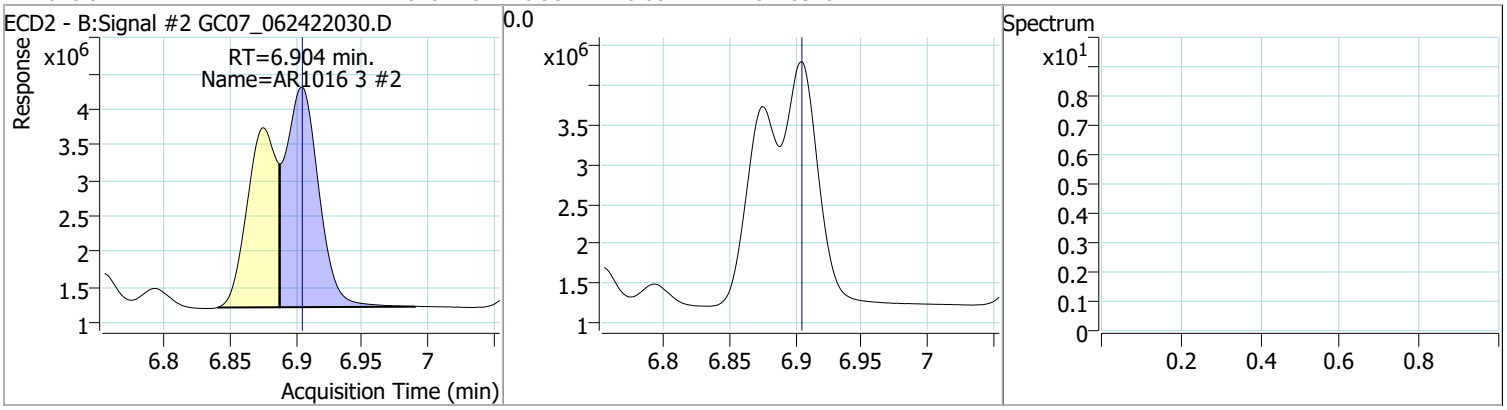
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1715.7784	6.37	0.00	12967530 (m)				



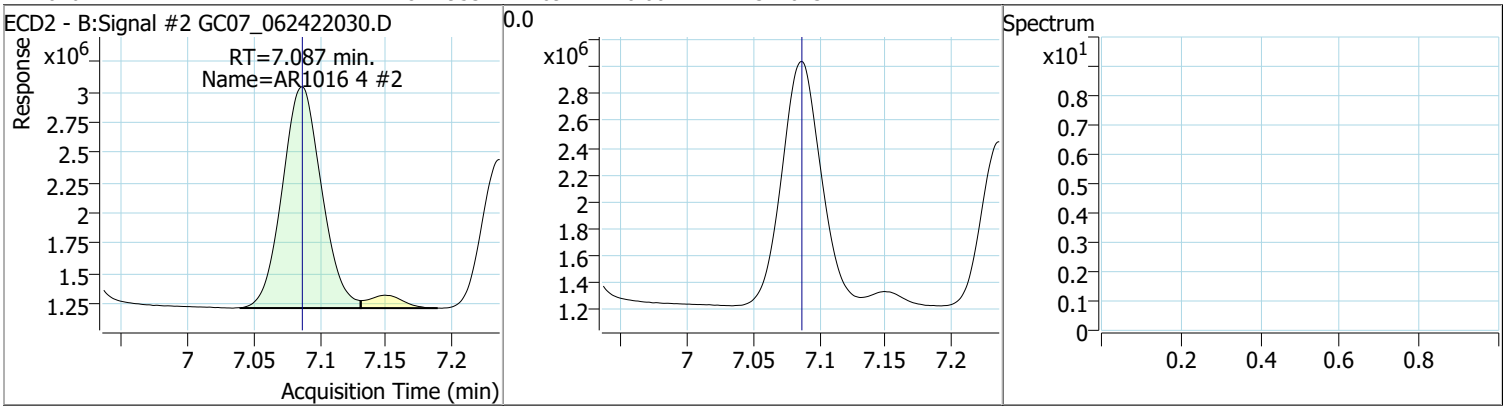
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1701.8780	6.84	0.00	10714001				



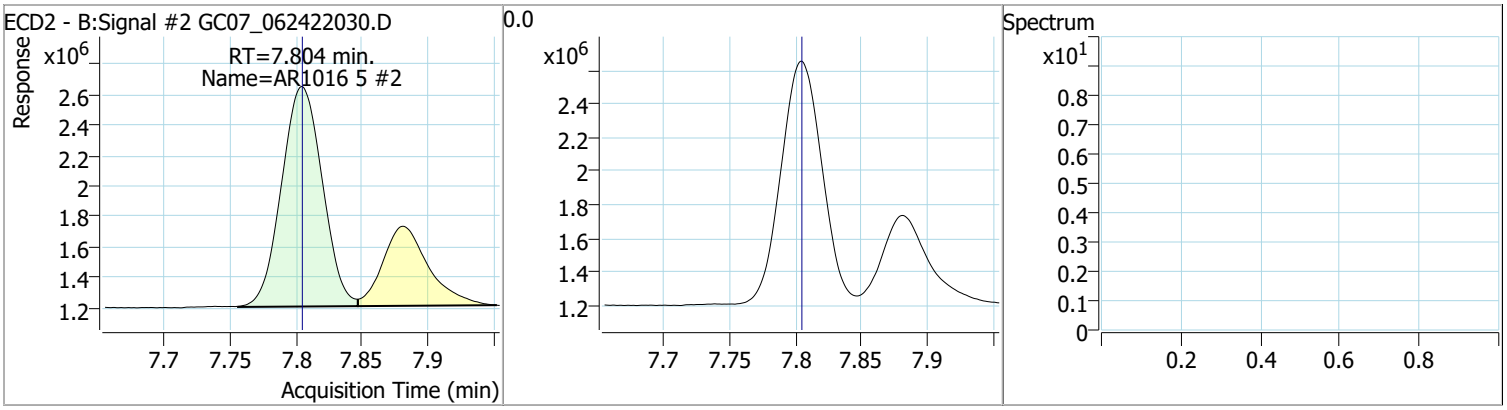
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1870.1167	6.90	0.00	5410320				



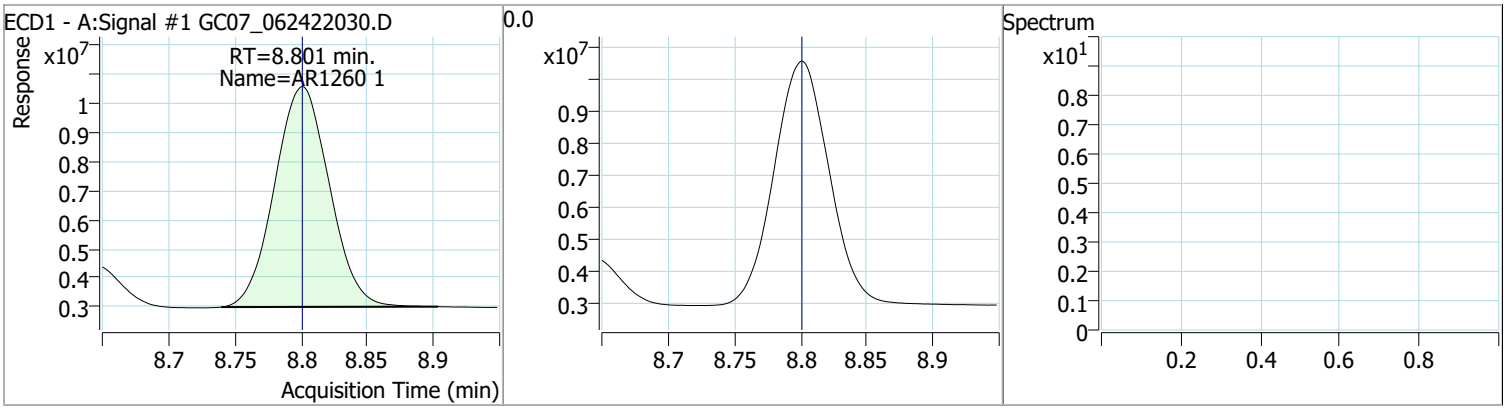
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1877.9532	7.09	0.00	3770734				



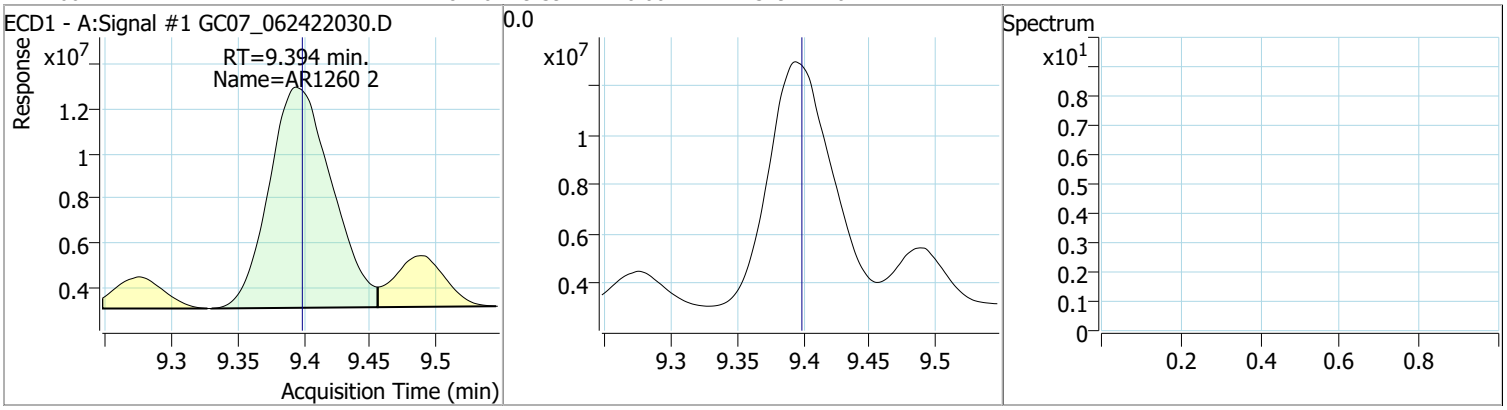
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1856.7920	7.80	0.00	3114359				



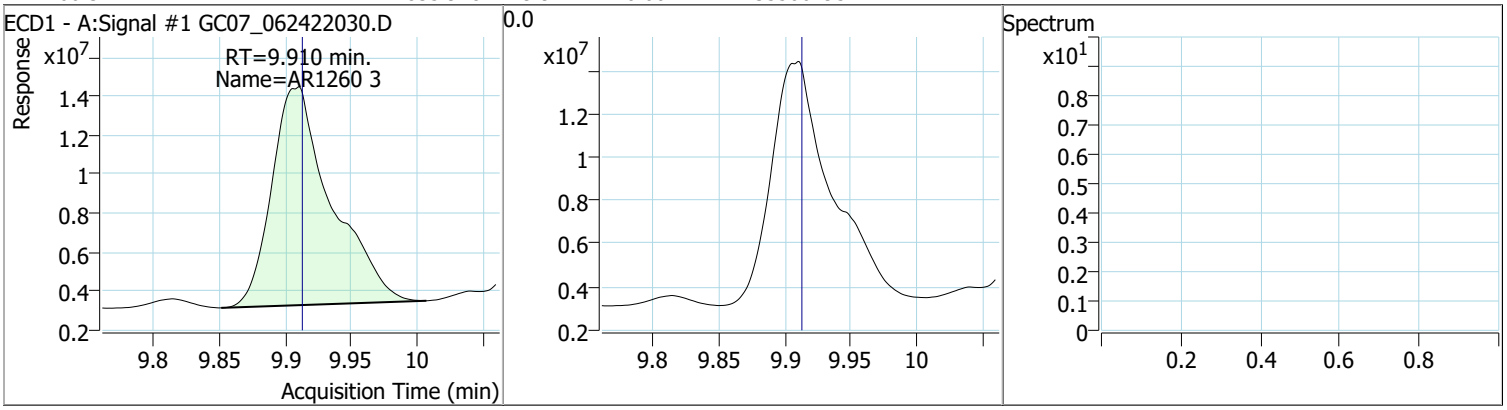
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1638.8931	8.80	0.00	21787981				



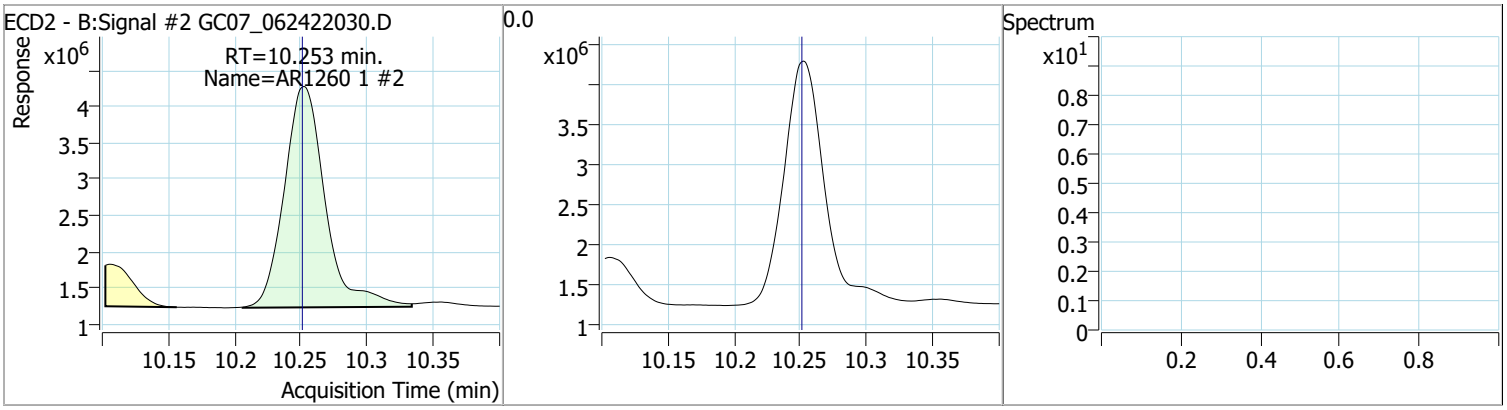
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1724.8420	9.39	0.00	32917120				



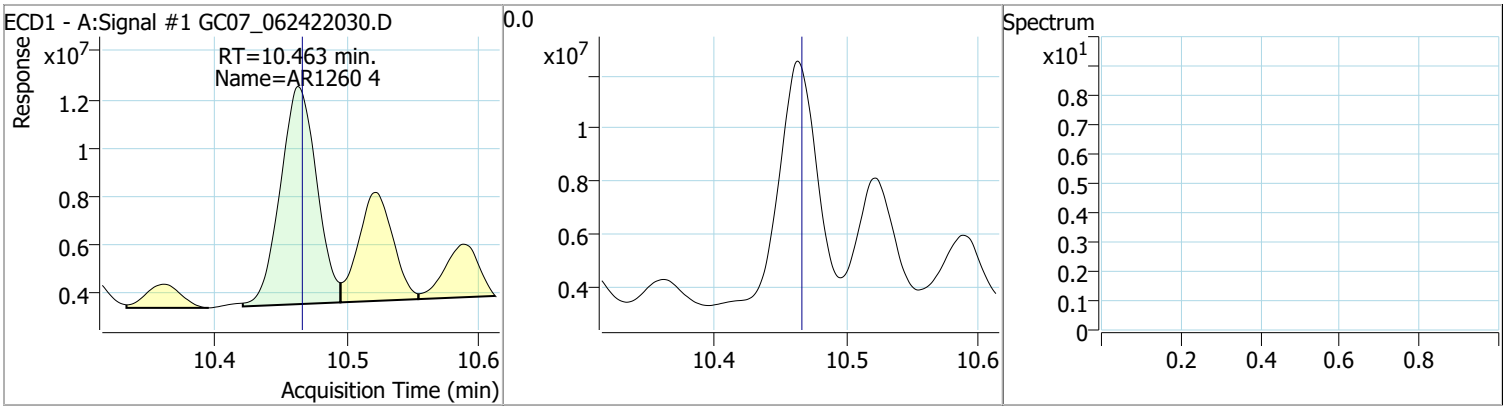
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1835.9781	9.91	0.00	35506795				



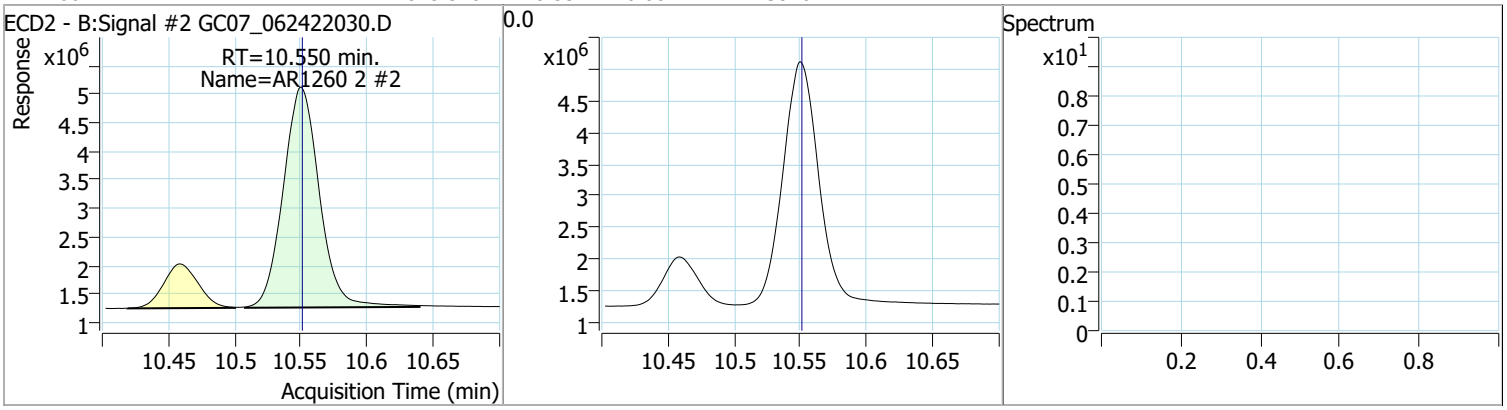
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1807.6512	10.25	0.00	6584362				



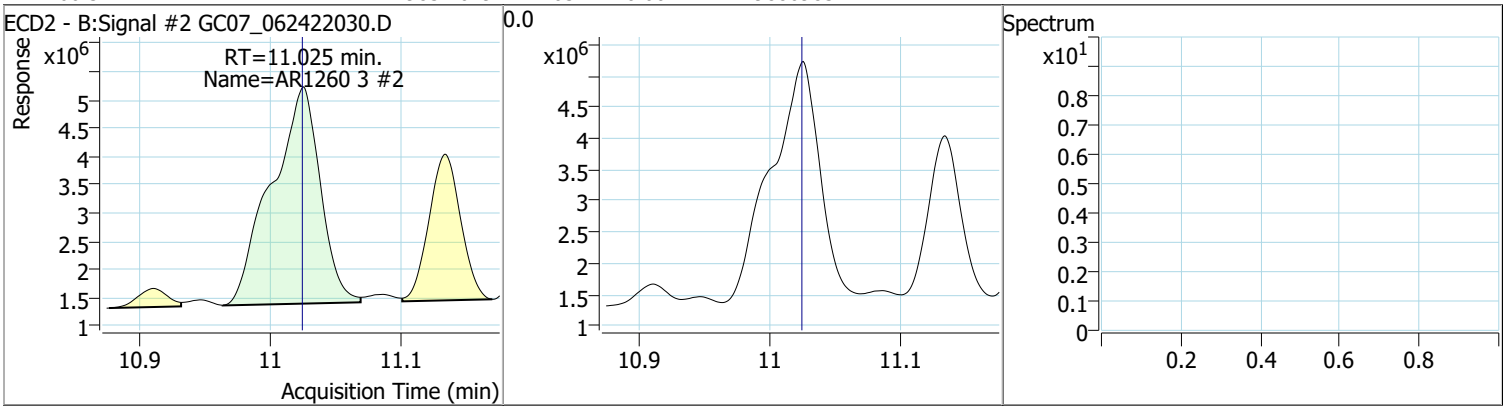
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1756.2212	10.46	0.00	17362853				



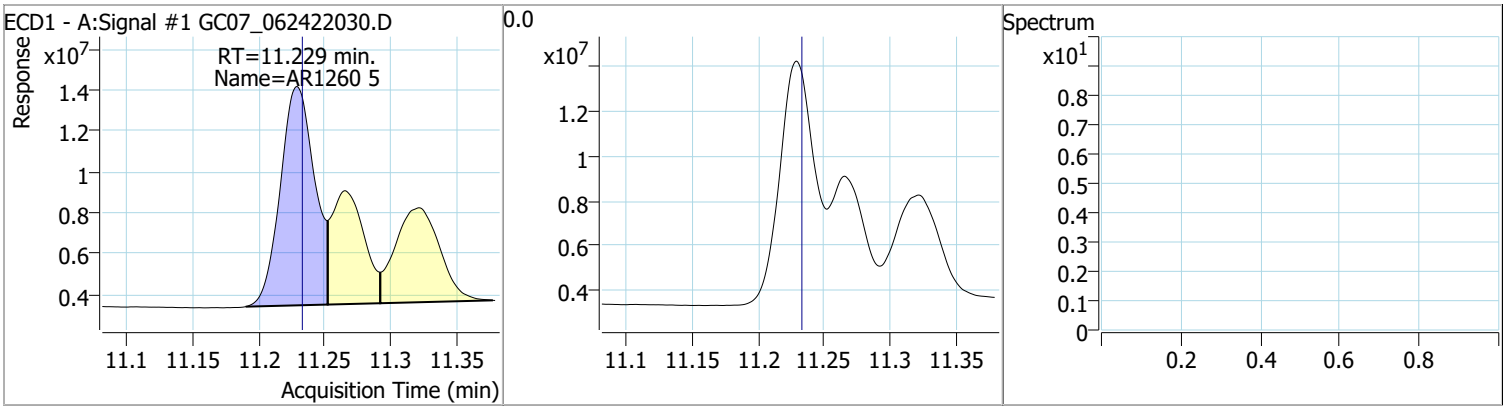
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1825.5404	10.55	0.00	7387671				



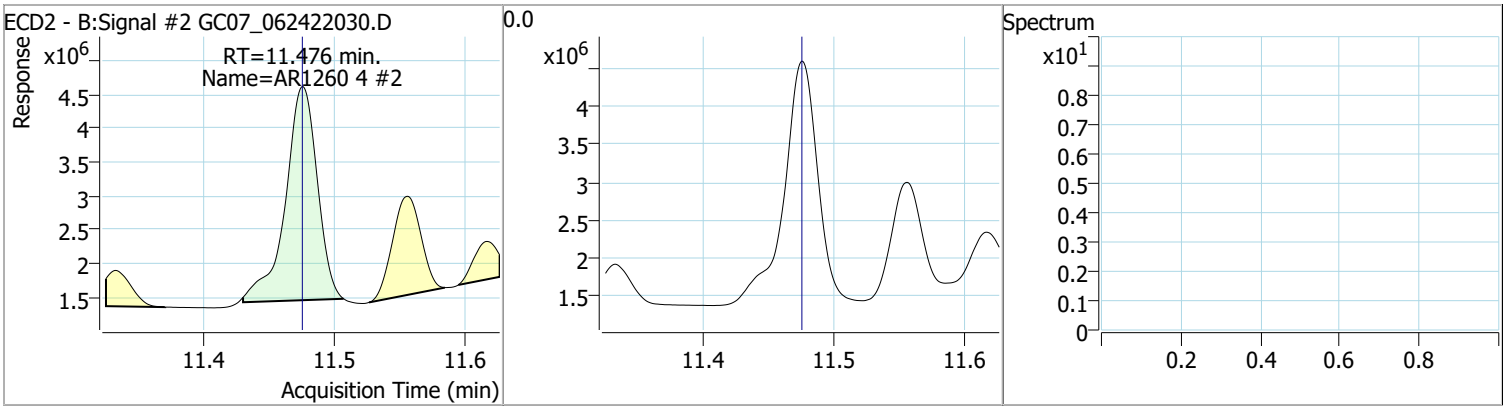
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1983.7079	11.03	0.00	9880983				



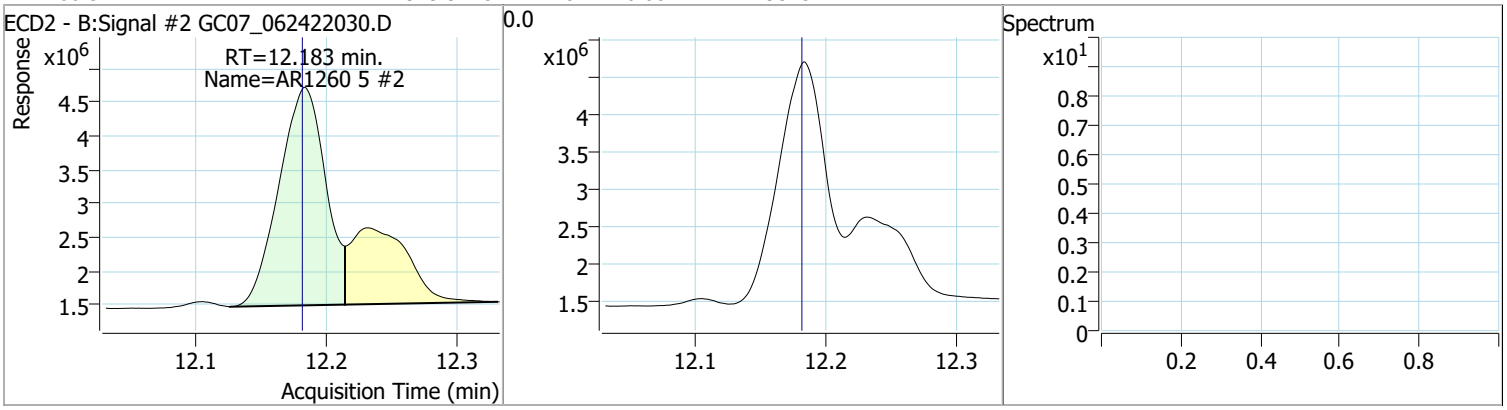
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	2142.4779	11.23	0.00	19446572				



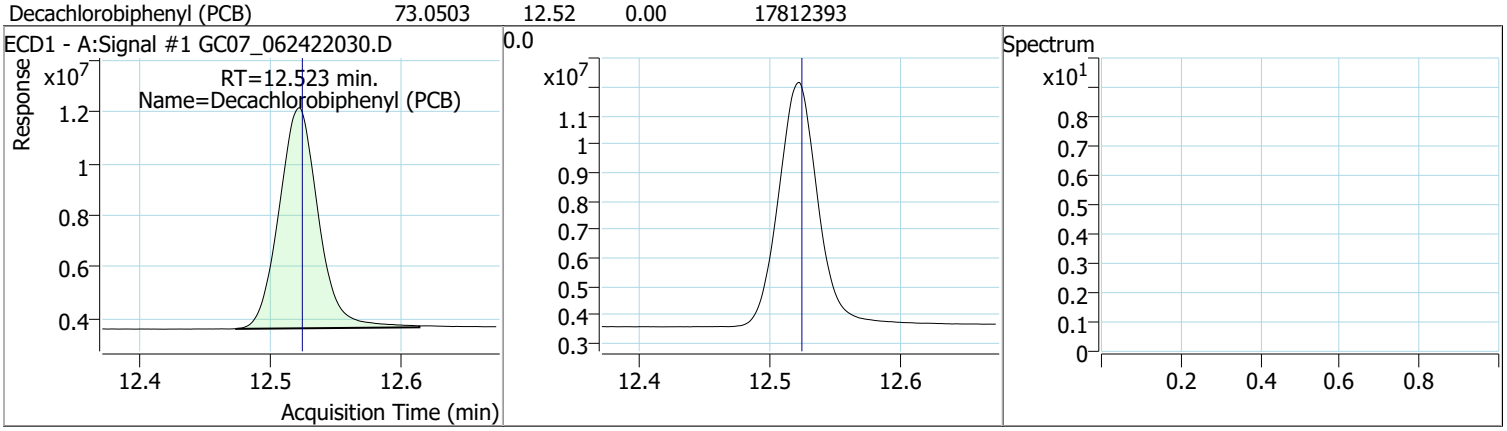
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1902.6228	11.48	0.00	5317224				



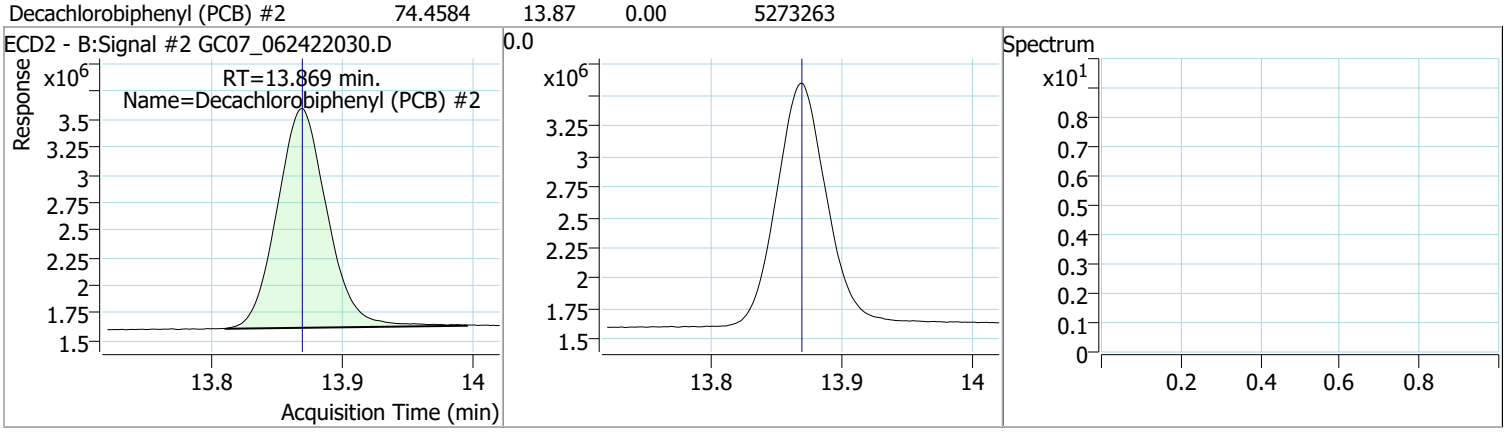
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1979.9418	12.18	0.00	7951542				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	73.0503	12.52	0.00	17812393				

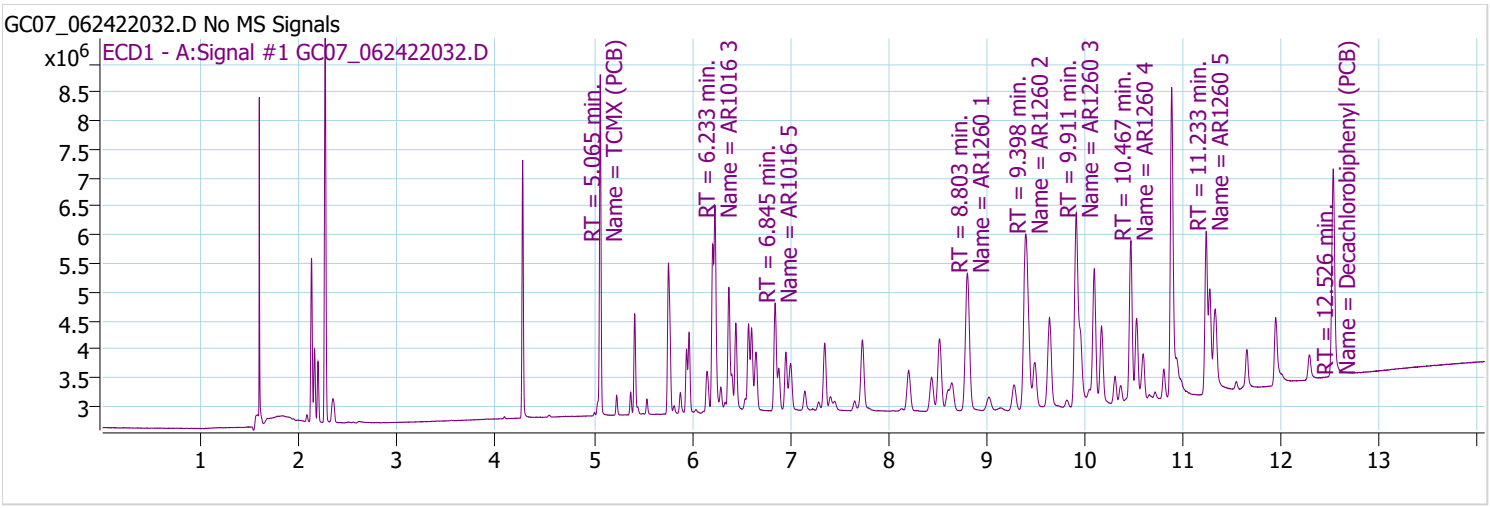


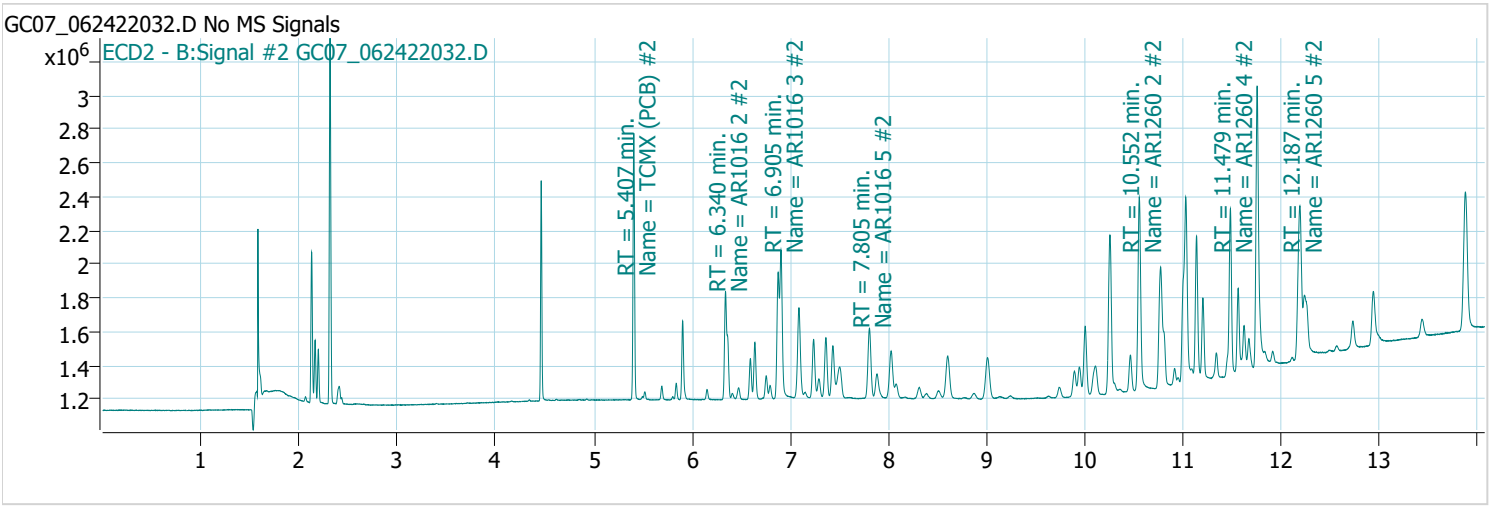
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	74.4584	13.87	0.00	5273263				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422032.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 3:34:47 AM
Sample Name	ICV, S16460	Instrument	SVOA-GC07
Vial	20	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	ICV PCB 500 PPB
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



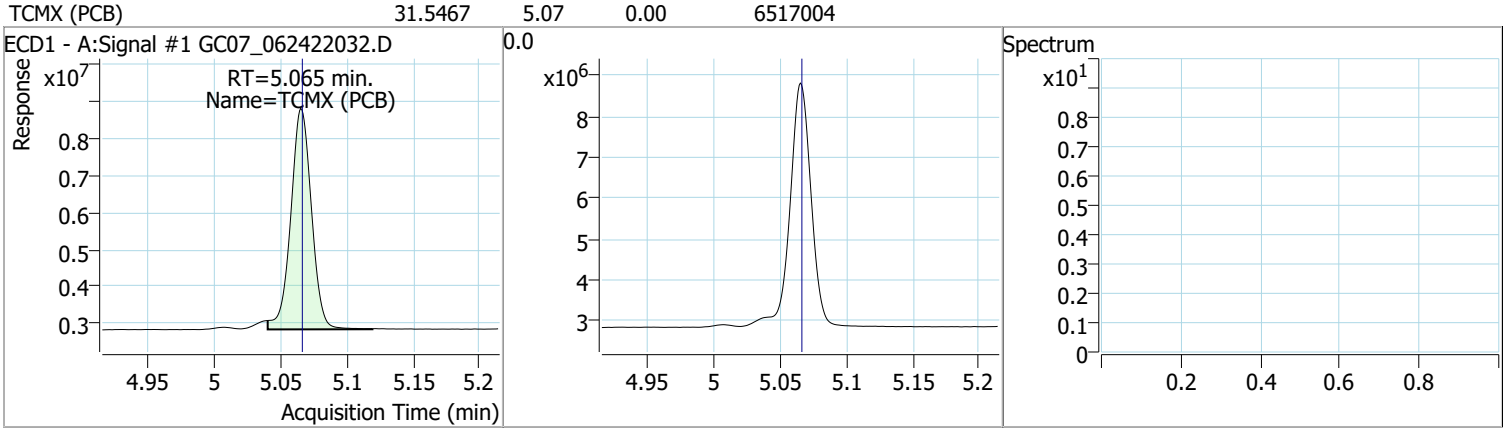


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.276	0.0	4380001.545	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.464	0.0	1162375.121	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.065	0.0	6517003.537	31.5467	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 157.73%		*	
S TCMX (PCB) #2	5.407	0.0	1736280.471	32.9142	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 164.57%		*	
S Decachlorobiphenyl (PCB)	12.526	0.0	7630932.148	31.1884	ng/ml		0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 155.94%		*	
S Decachlorobiphenyl (PCB) #2	13.871	0.0	2272784.465	31.7537	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 158.77%		*	
Target Compounds							QValue

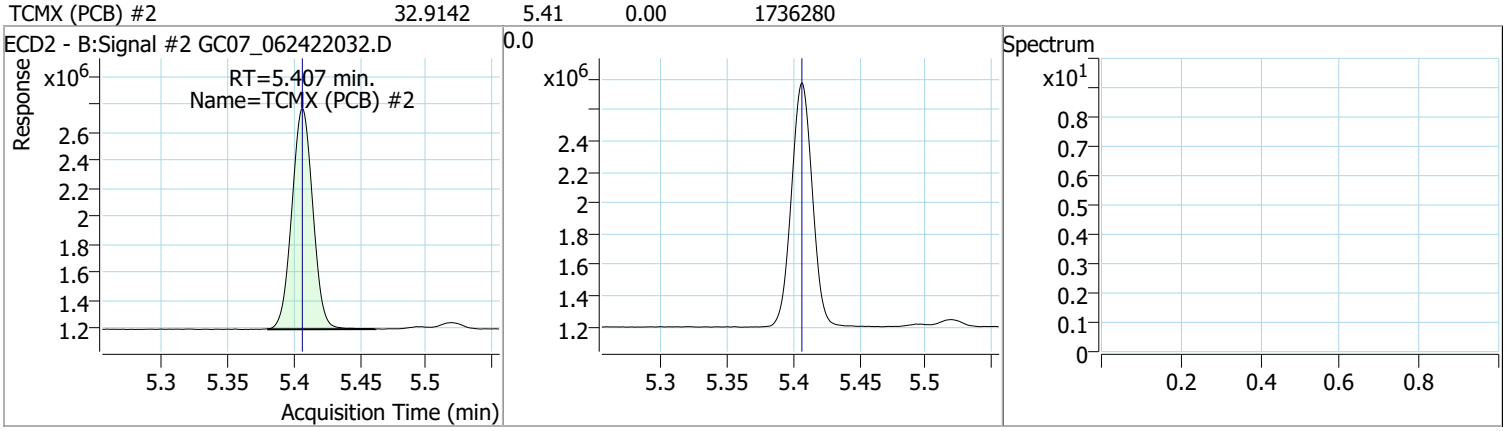
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.416	0.0	2178837.717	518.5224	ng/ml	m	100
T AR1016 2	5.760	0.0	4642693.939	509.7870	ng/ml		100
T AR1016 1 #2	5.904	0.0	621423.878	530.8730	ng/ml		100
T AR1016 3	6.233	0.0	5342379.321	506.5822	ng/ml		100
T AR1016 2 #2	6.340	0.0	1335548.891	523.9591	ng/ml		100
T AR1016 4	6.375	0.0	4069231.258	536.5765	ng/ml	m	100
T AR1016 5	6.845	0.0	3270931.448	517.8017	ng/ml		100
T AR1016 3 #2	6.905	0.0	1520880.636	520.1666	ng/ml		100
T AR1016 4 #2	7.088	0.0	1079057.494	531.7470	ng/ml		100
T AR1016 5 #2	7.805	0.0	884088.226	521.5449	ng/ml		100
T AR1260 1	8.803	0.0	7014371.141	525.8207	ng/ml		100
T AR1260 2	9.398	0.0	10362586.885	541.1417	ng/ml		100
T AR1260 3	9.911	0.0	10584612.381	545.4391	ng/ml		100
T AR1260 1 #2	10.253	0.0	2028569.774	551.0518	ng/ml		100
T AR1260 4	10.467	0.0	5296031.081	533.8558	ng/ml		100
T AR1260 2 #2	10.552	0.0	2268856.319	554.7438	ng/ml		100
T AR1260 3 #2	11.024	0.0	2956424.368	587.2809	ng/ml		100
T AR1260 5	11.233	0.0	5010403.817	550.1250	ng/ml		100
T AR1260 4 #2	11.479	0.0	1589082.205	562.6206	ng/ml		100
T AR1260 5 #2	12.187	0.0	2266612.500	558.4443	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

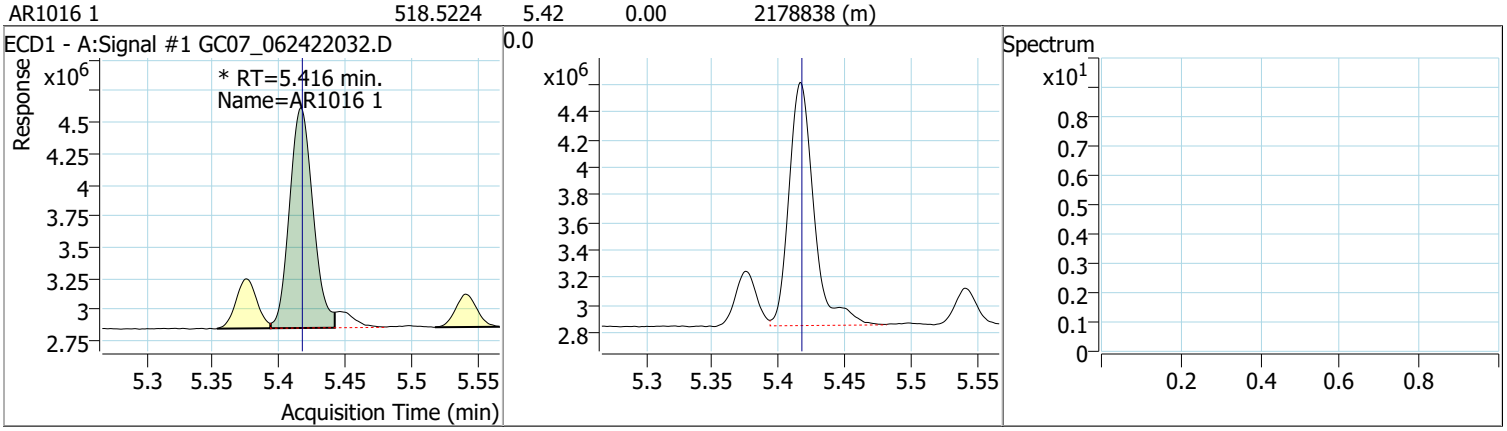
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	31.5467	5.07	0.00	6517004				



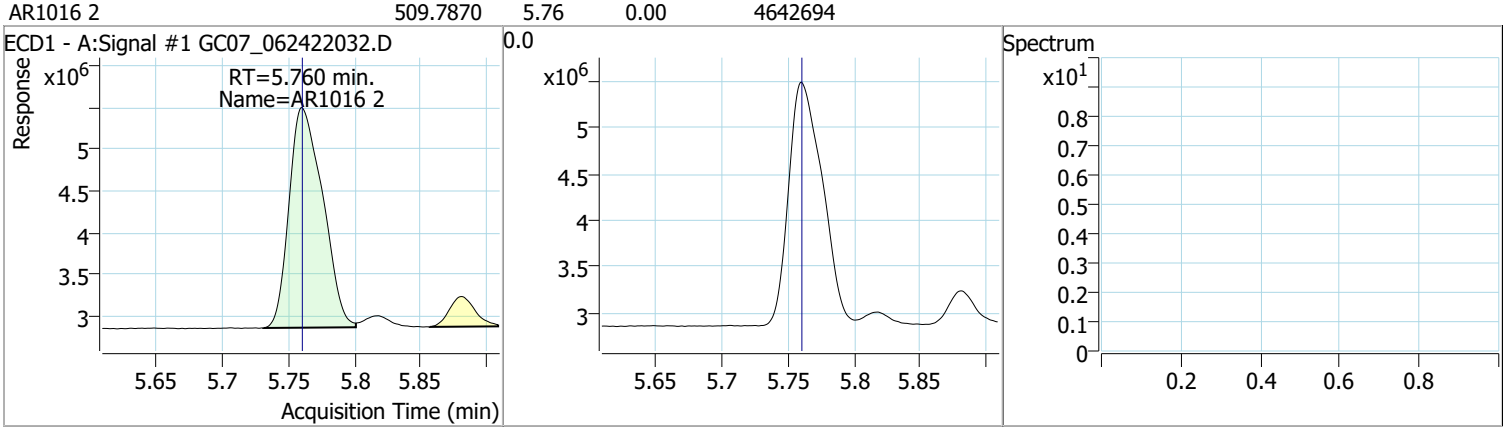
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	32.9142	5.41	0.00	1736280				



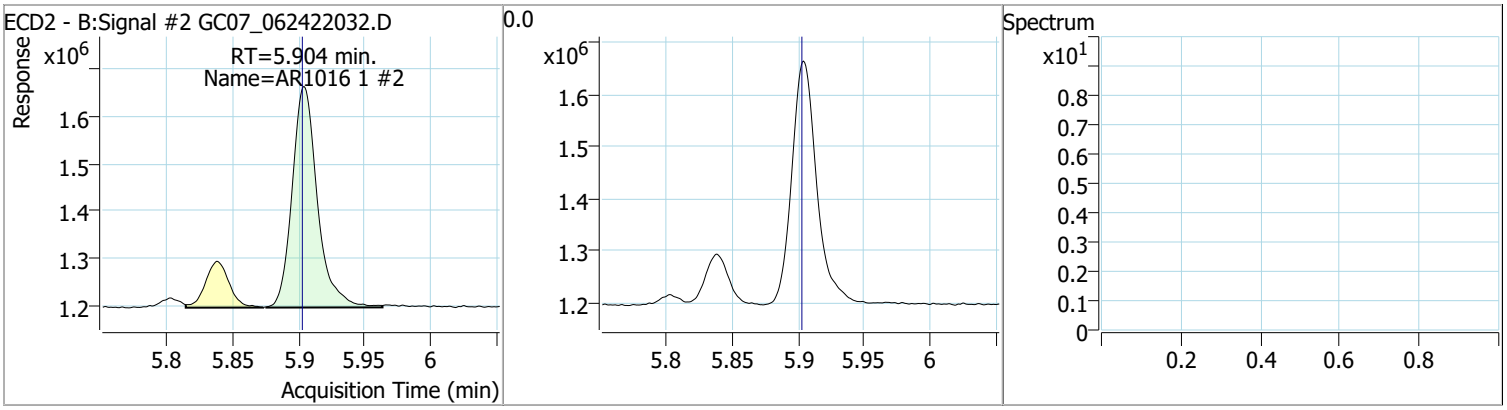
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	518.5224	5.42	0.00	2178838 (m)				



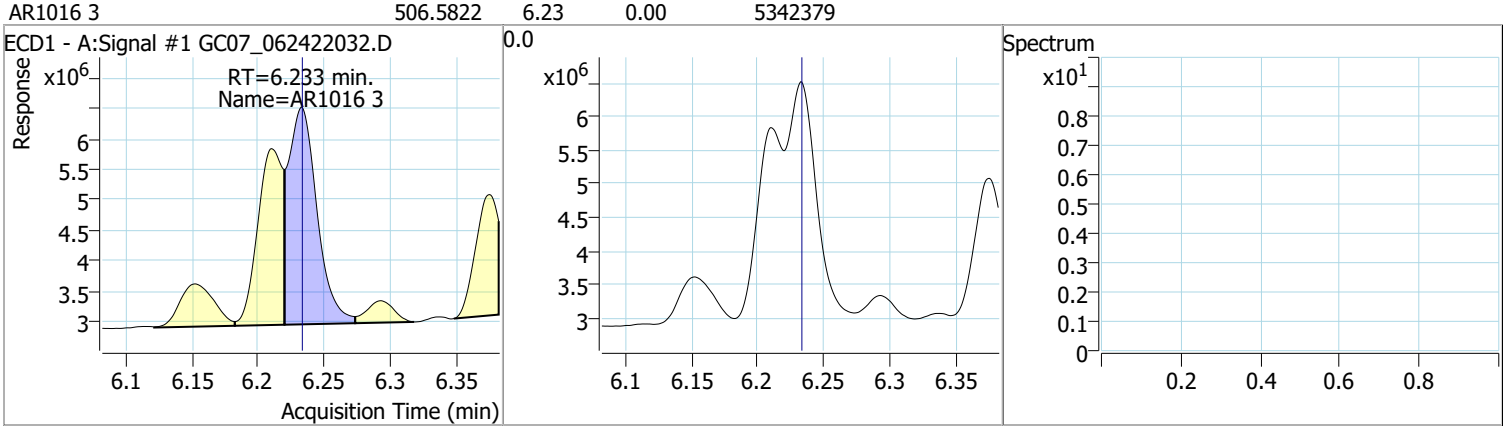
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	509.7870	5.76	0.00	4642694				



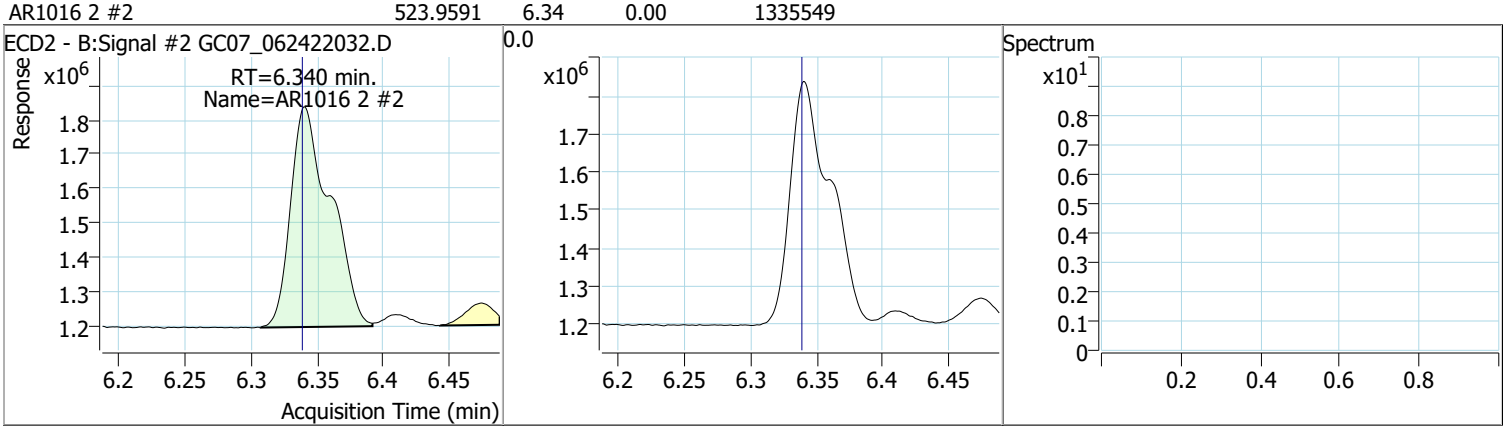
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	530.8730	5.90	0.00	621424				



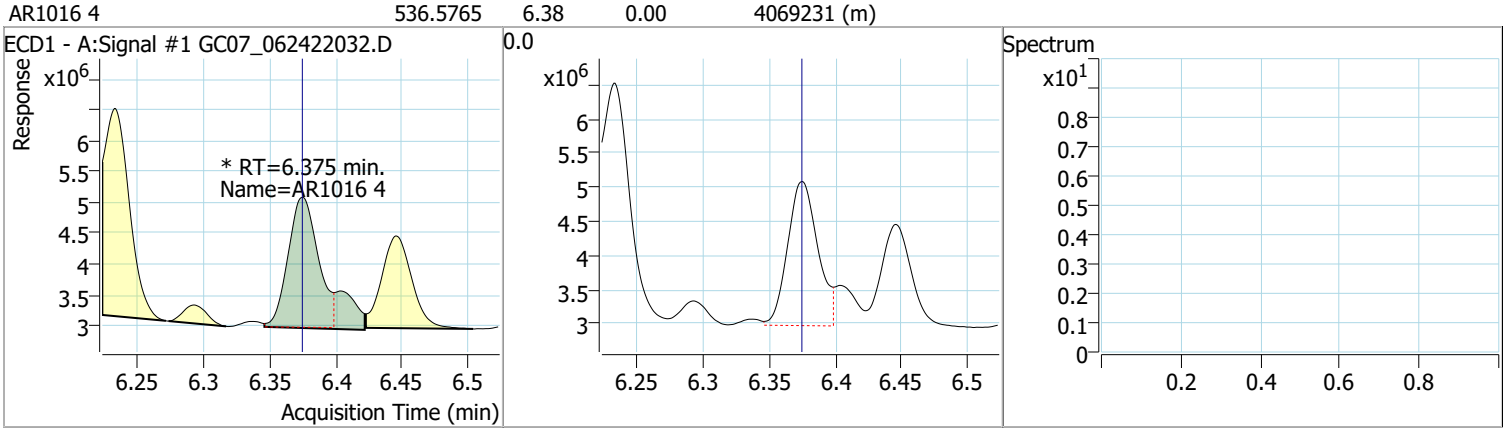
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	506.5822	6.23	0.00	5342379				



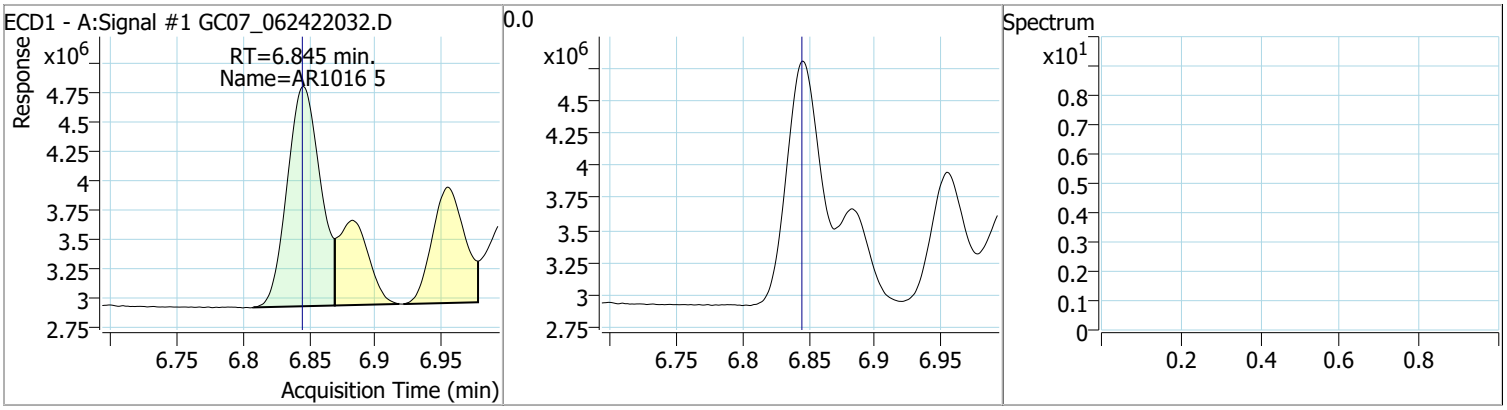
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	523.9591	6.34	0.00	1335549				



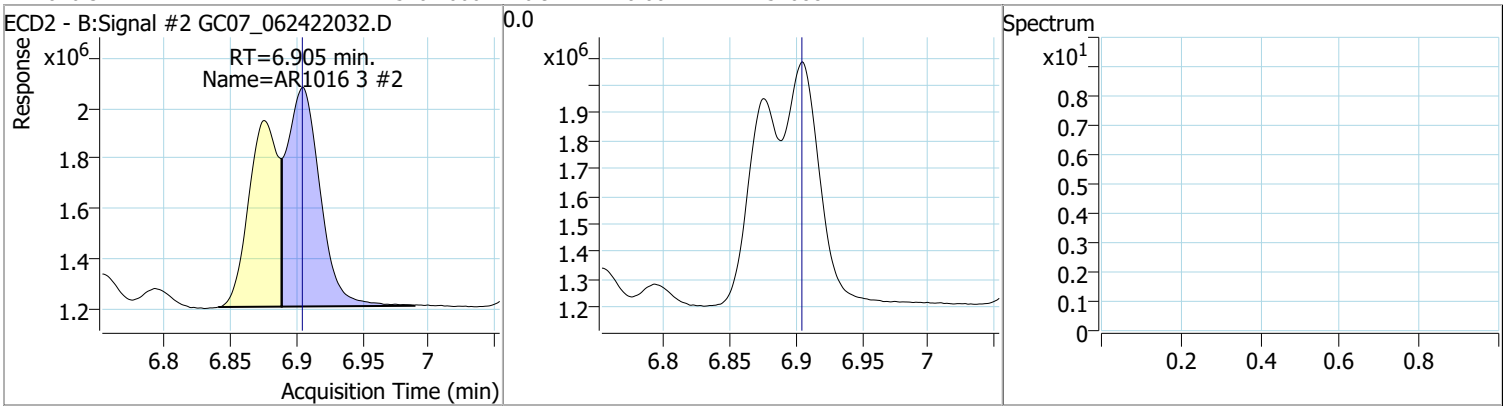
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	536.5765	6.38	0.00	4069231 (m)				



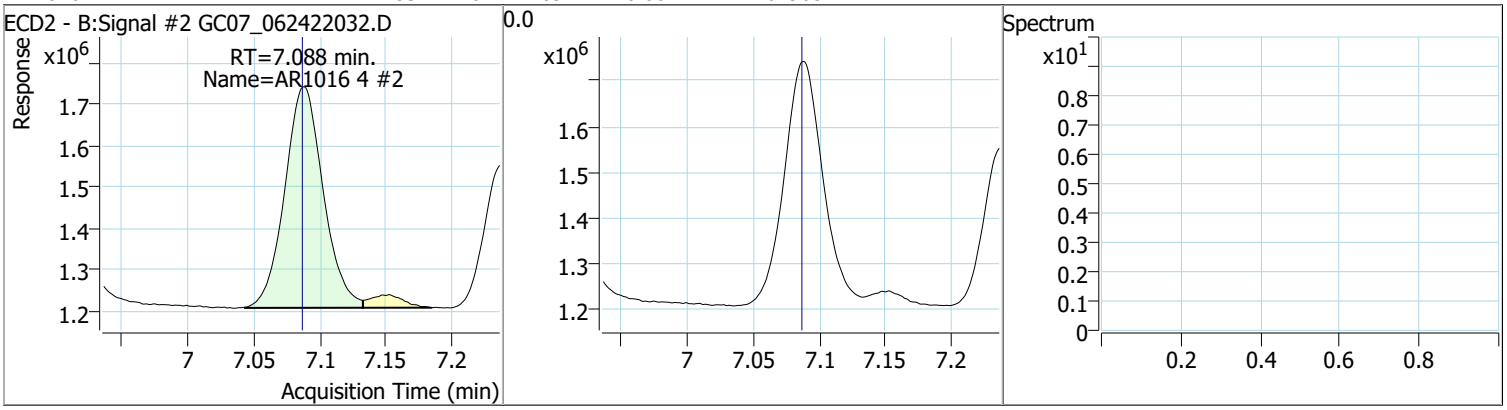
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	517.8017	6.85	0.00	3270931				



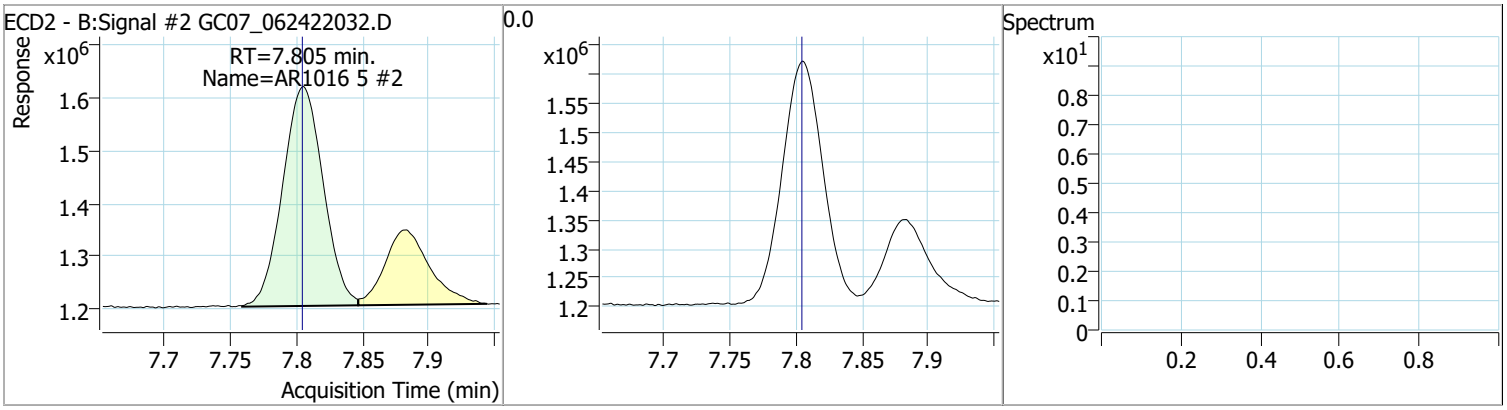
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	520.1666	6.91	0.00	1520881				



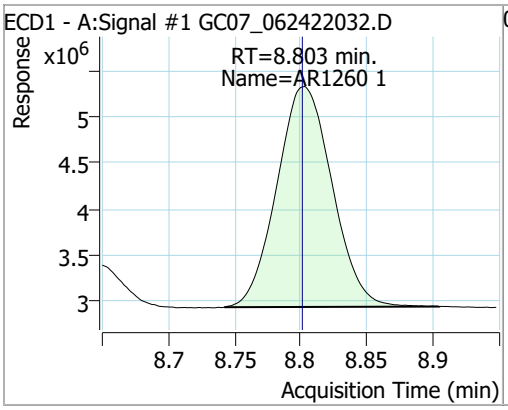
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	531.7470	7.09	0.00	1079057				

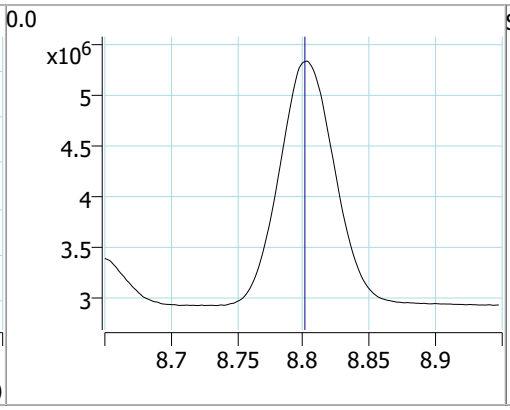


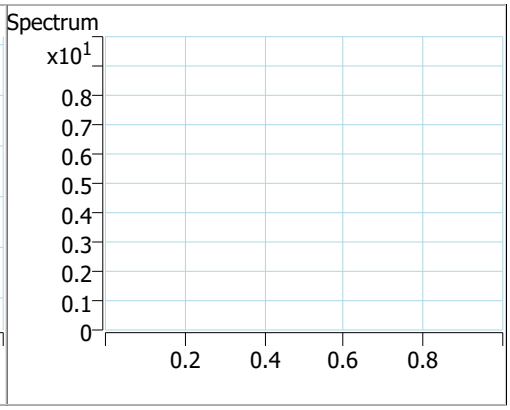
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	521.5449	7.81	0.00	884088				



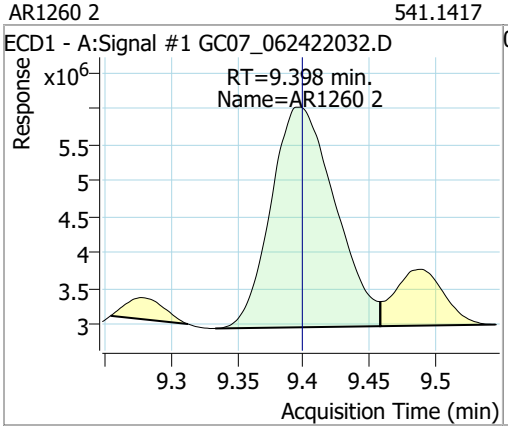
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	525.8207	8.80	0.00	7014371				

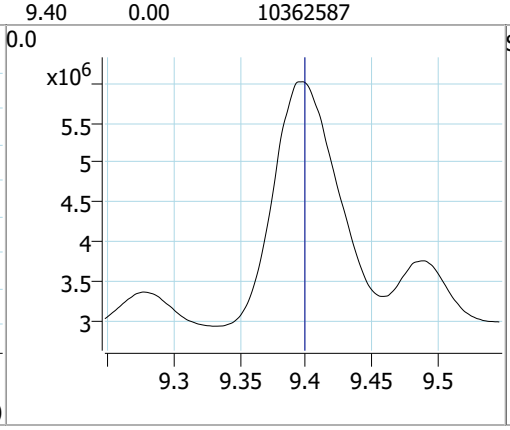


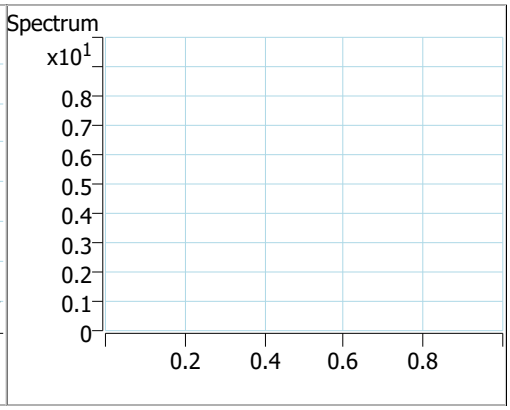




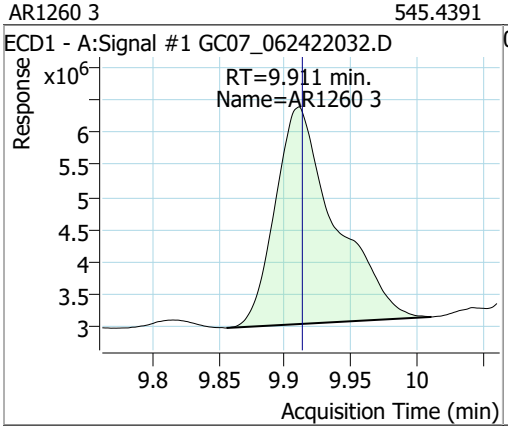
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	541.1417	9.40	0.00	10362587				

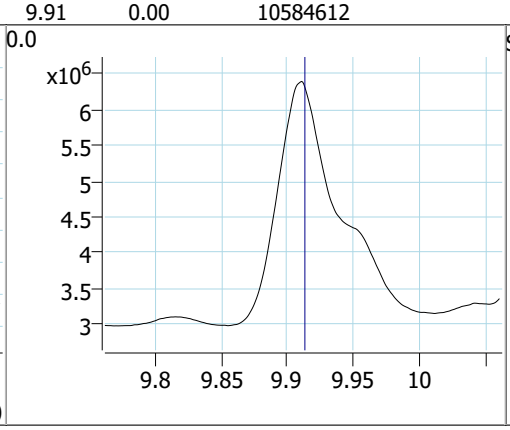


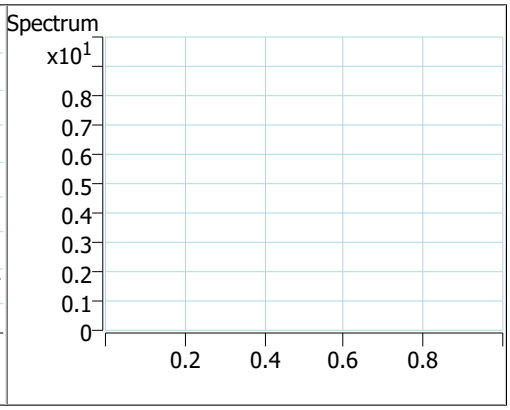




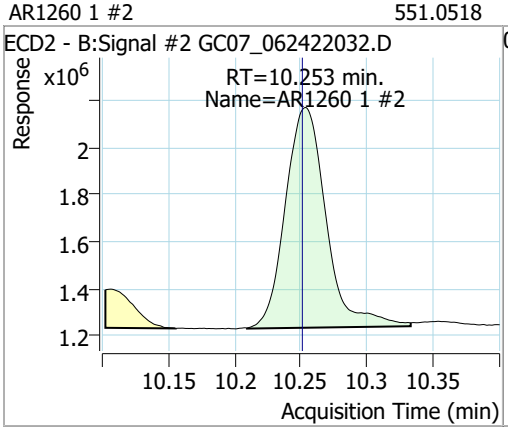
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	545.4391	9.91	0.00	10584612				

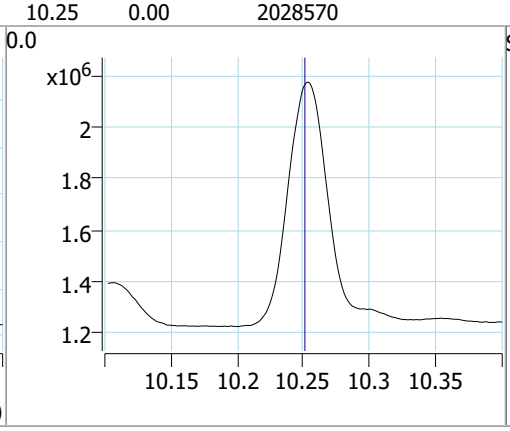


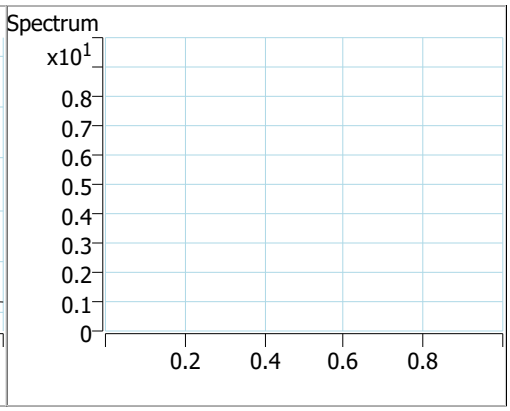




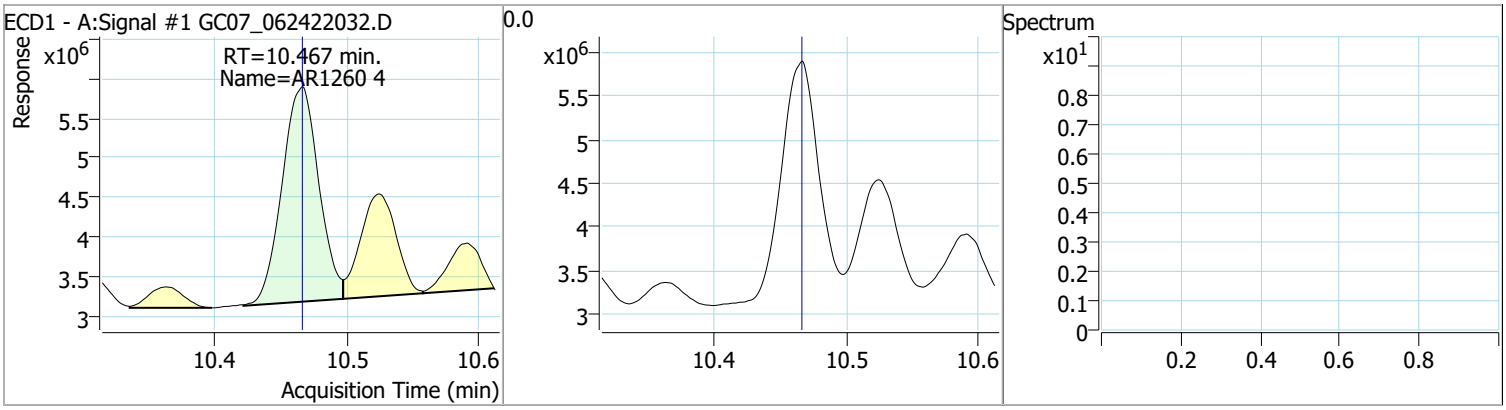
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	551.0518	10.25	0.00	2028570				



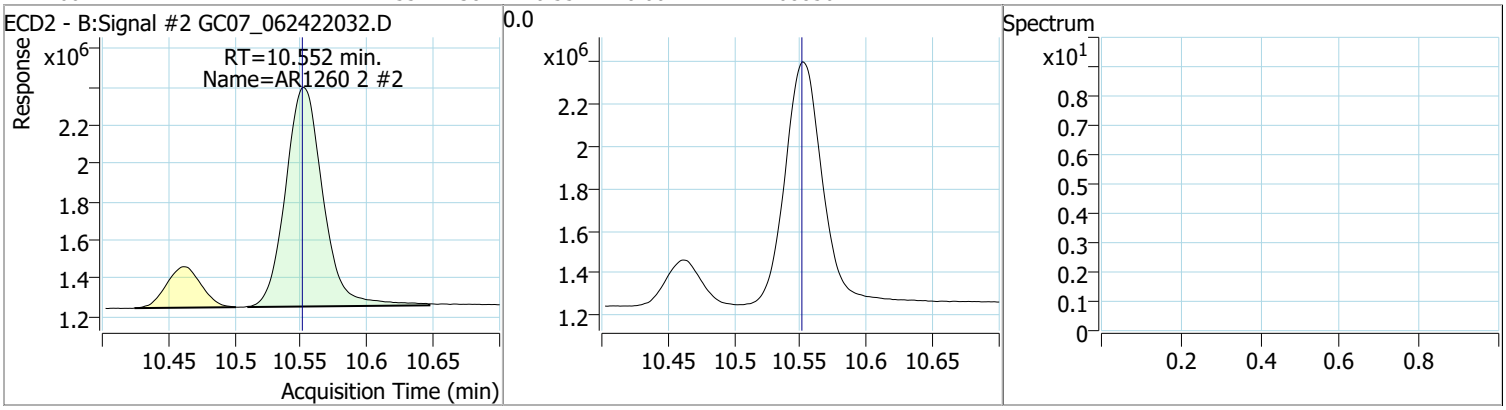




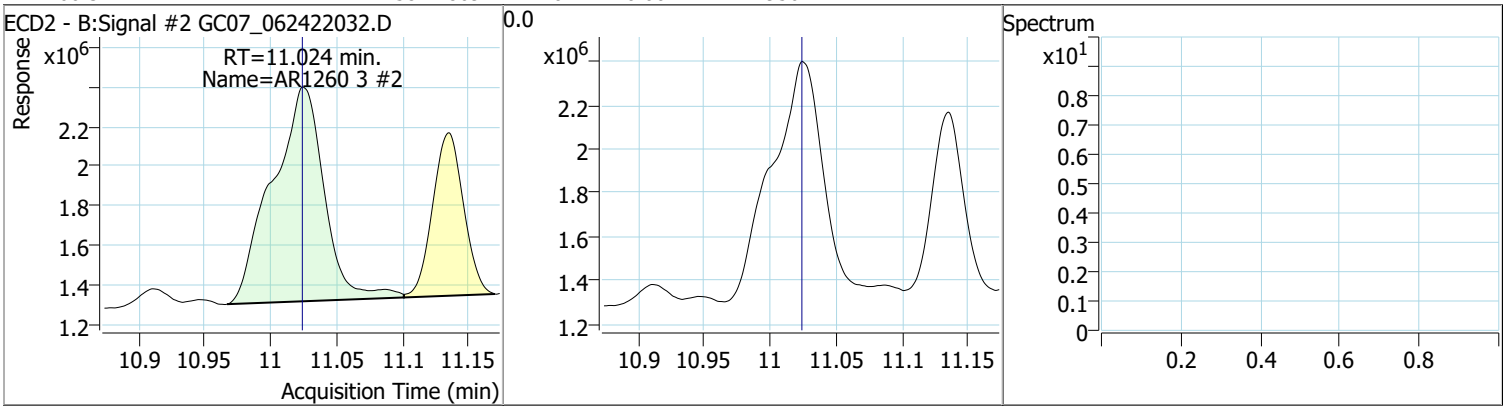
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	533.8558	10.47	0.00	5296031				



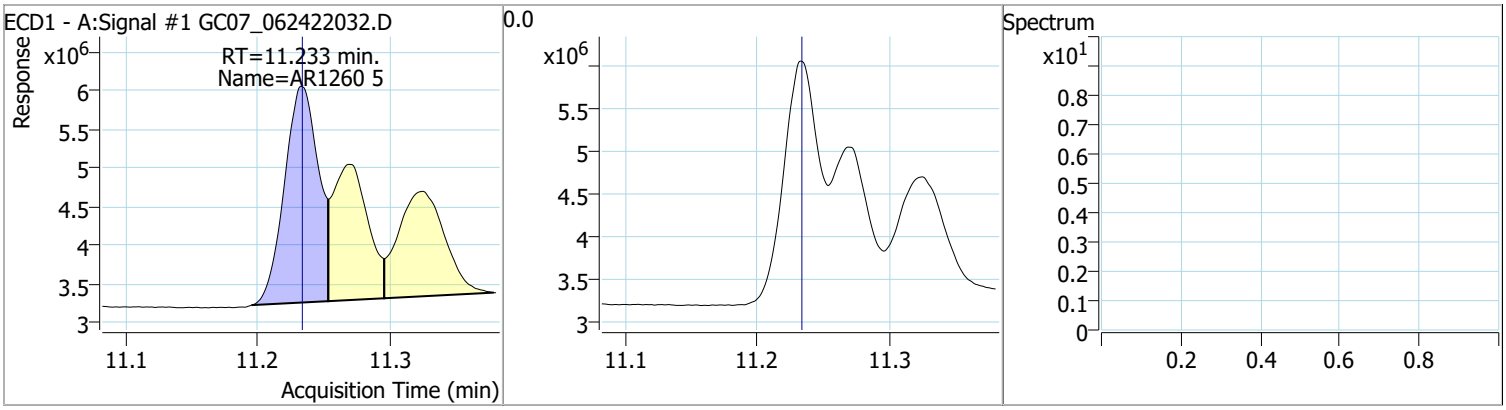
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	554.7438	10.55	0.00	2268856				



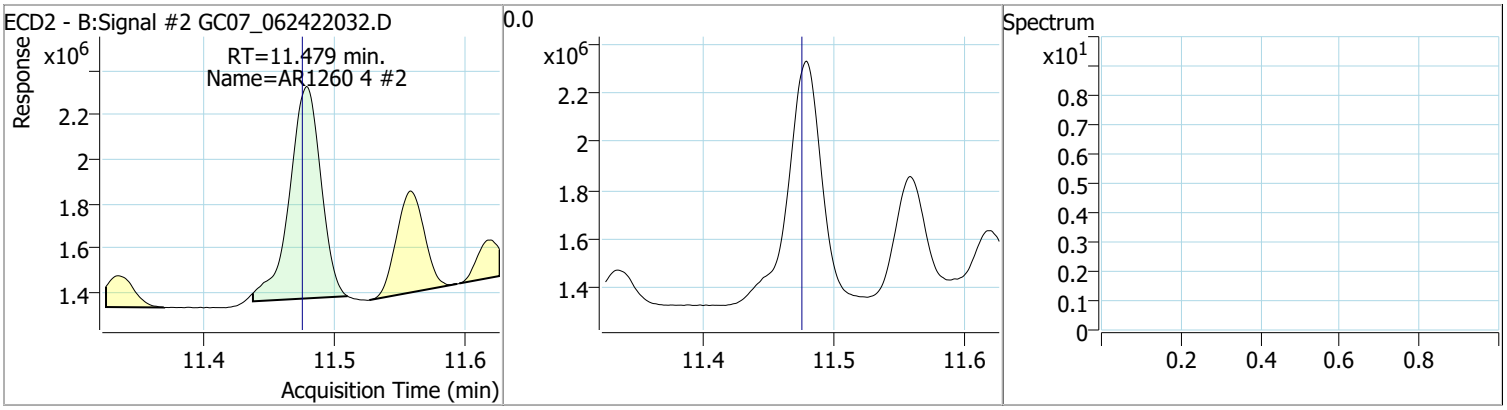
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	587.2809	11.02	0.00	2956424				



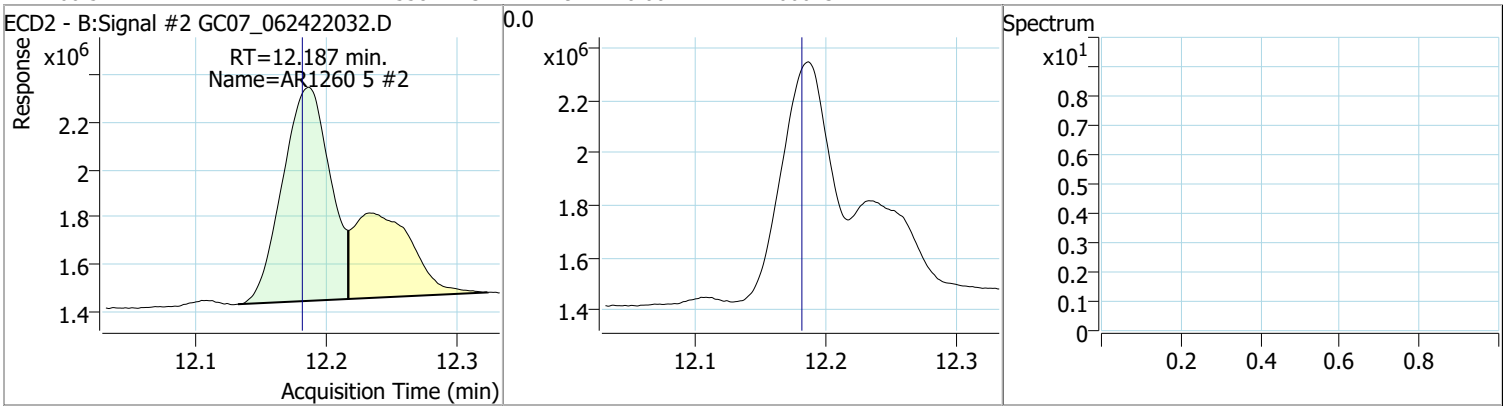
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	550.1250	11.23	0.00	5010404				



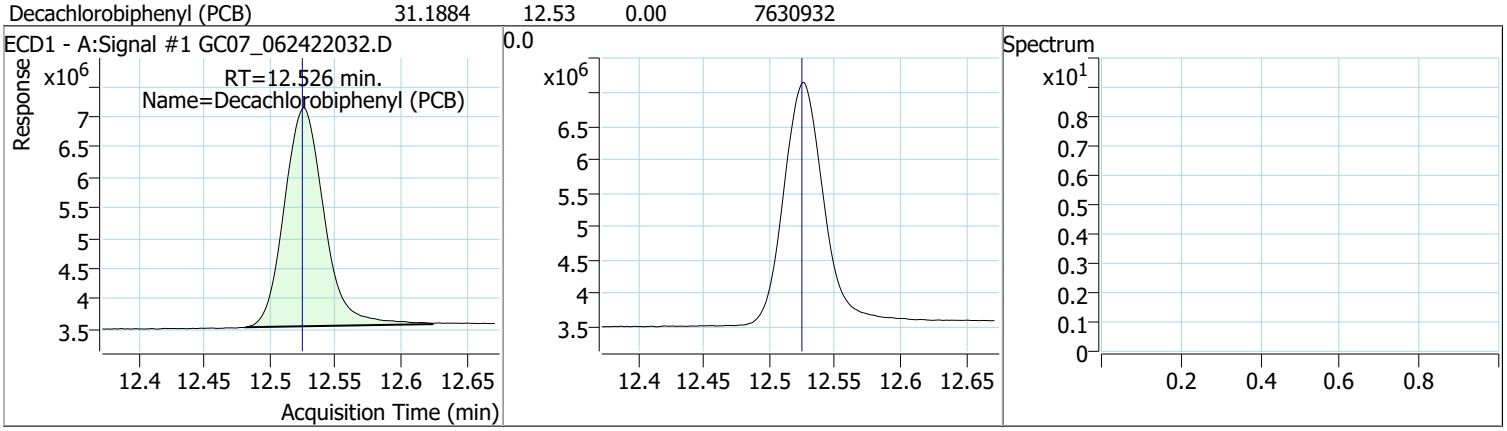
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	562.6206	11.48	0.00	1589082				



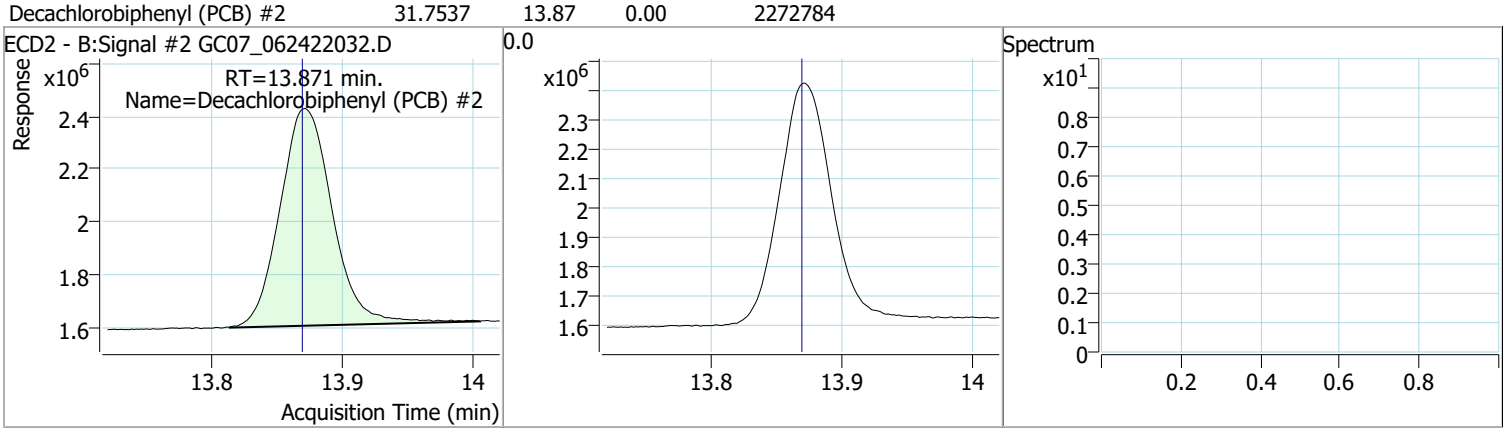
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	558.4443	12.19	0.00	2266613				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	31.1884	12.53	0.00	7630932				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	31.7537	13.87	0.00	2272784				



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 464785 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07			IDF:	1.0
Seqnum:	462258436004	File:	gc07_062822004	Time:	28-JUN-2022 11:51
Cal:	462252739001	Caldate:	25-JUN-2022		

Standards: S17006

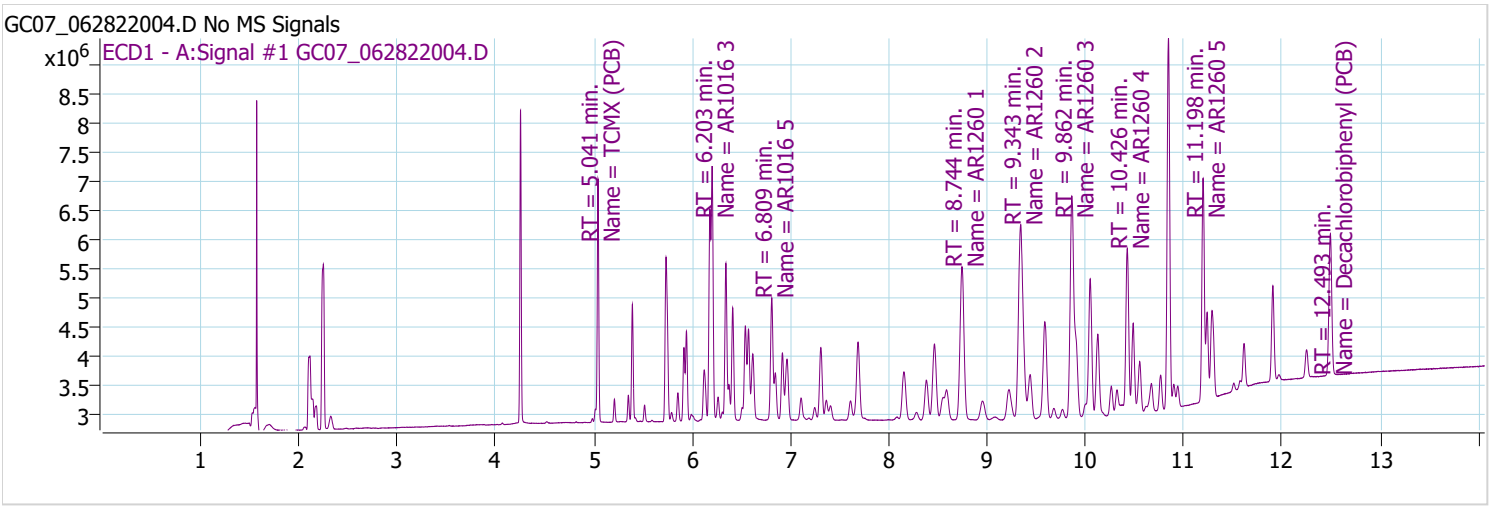
Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	462.7	ug/L	-7	15	0.0000	
Aroclor-1260	A			500.0	510.2	ug/L	2	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.1166	0.9481	20.00	16.98	pg/uL	-15	15	0.0000	
TCMX (PCB)	A	0.9428	0.8600	20.00	18.24	pg/uL	-9	15	0.0000	
Aroclor-1016	B			500.0	491.3	ug/L	-2	15	0.0000	
Aroclor-1260	B			500.0	506.3	ug/L	1	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2309	1.0800	20.00	17.55	pg/uL	-12	15	0.0000	
TCMX (PCB)	B	0.9071	0.8655	20.00	19.08	pg/uL	-5	15	0.0000	

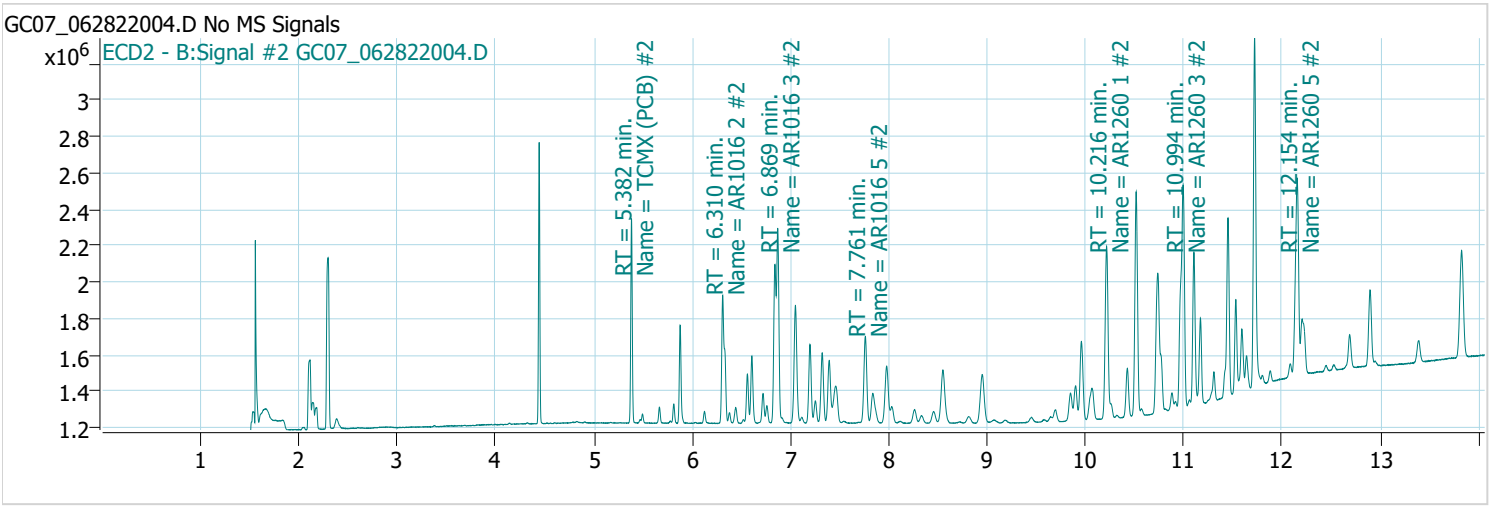
ISTD (ICAL gc07_062422023)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1166029	1389469	19.16
1-bromo-2-nitrobenzene (PCB)	A	4421081	5233508	18.38

Analyst: TRN 06/28/22 **Reviewer:** SLL 06/28/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_062822004.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/28/2022 11:51:24 AM
Sample Name	CCV, S17006	Instrument	SVOA-GC07
Vial	144	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_2.m	Comment	500 PPB PCB
Tune File	ATUNE.U	Tune Date	
Batch Name	062822PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



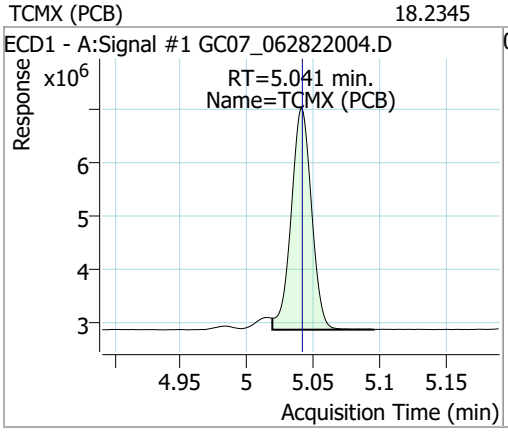


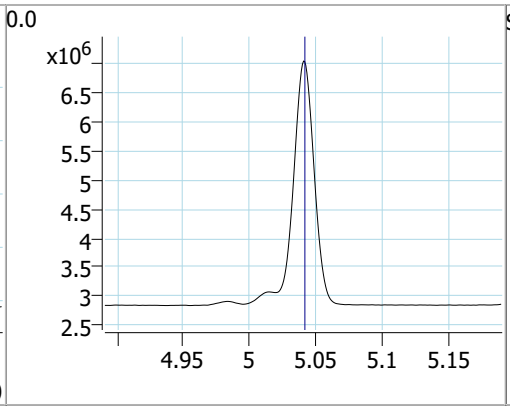
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.253	0.0	5233508.100	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.443	0.0	1389468.650	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.041	0.0	4500986.521	18.2345	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 91.17%		
S TCMX (PCB) #2	5.382	0.0	1202568.787	19.0709	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 95.35%		
S Decachlorobiphenyl (PCB)	12.493	0.0	4961928.958	16.9726	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 84.86%		
S Decachlorobiphenyl (PCB) #2	13.828	0.0	1500682.551	17.5397	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 87.70%		
Target Compounds						QValue

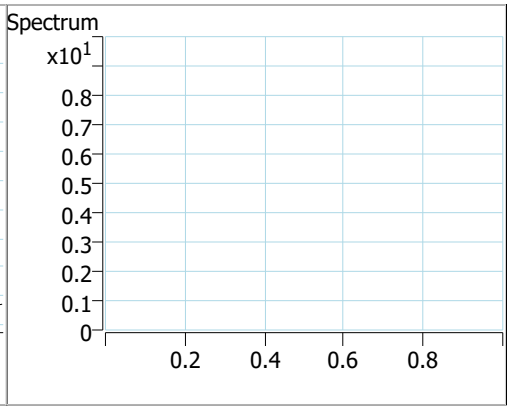
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.391	0.0	2365298.436	471.0966	ng/ml	100
T AR1016 2	5.733	0.0	4927063.941	452.7811	ng/ml	100
T AR1016 1 #2	5.877	0.0	670759.537	479.3659	ng/ml	100
T AR1016 3	6.203	0.0	6047853.656	479.9520	ng/ml	100
T AR1016 2 #2	6.310	0.0	1437129.412	471.6622	ng/ml	100
T AR1016 4	6.343	0.0	3889610.364	429.2465	ng/ml	100
T AR1016 5	6.809	0.0	3618666.108	479.4264	ng/ml	100
T AR1016 3 #2	6.869	0.0	1754709.336	502.0536	ng/ml	100
T AR1016 4 #2	7.049	0.0	1257840.829	518.5417	ng/ml	100
T AR1016 5 #2	7.761	0.0	979880.133	483.5781	ng/ml	100
T AR1260 1	8.744	0.0	7442303.496	466.9149	ng/ml	100
T AR1260 2	9.343	0.0	11014598.018	481.3853	ng/ml	100
T AR1260 3	9.862	0.0	12190060.957	525.7249	ng/ml	100
T AR1260 1 #2	10.216	0.0	2086835.333	474.2291	ng/ml	100
T AR1260 4	10.426	0.0	5307953.235	447.7978	ng/ml	100
T AR1260 2 #2	10.517	0.0	2320659.457	474.6729	ng/ml	100
T AR1260 3 #2	10.994	0.0	3196046.593	531.1165	ng/ml	100
T AR1260 5	11.198	0.0	6830863.197	627.6905	ng/ml	100
T AR1260 4 #2	11.451	0.0	1791211.762	530.5347	ng/ml	100
T AR1260 5 #2	12.154	0.0	2520832.260	519.5700	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

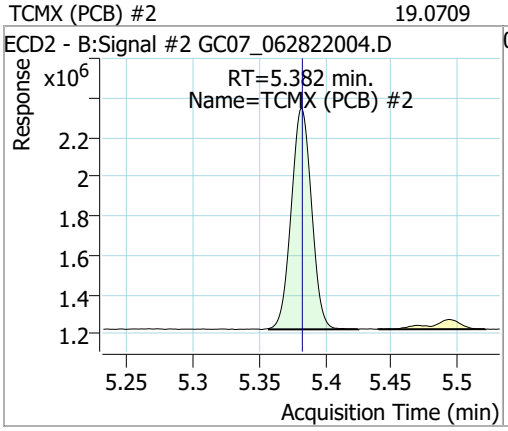
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	18.2345	5.04	0.00	4500987				

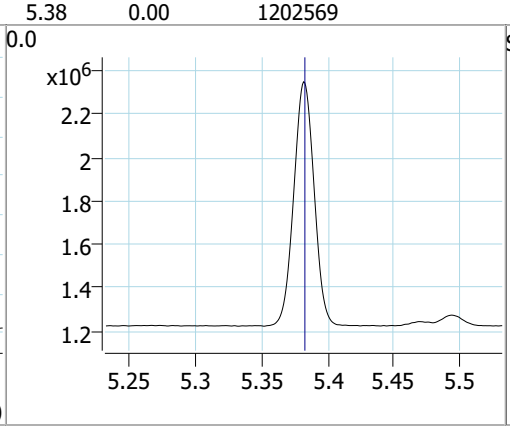


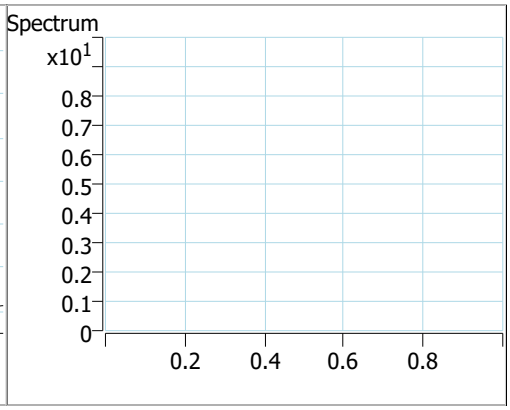




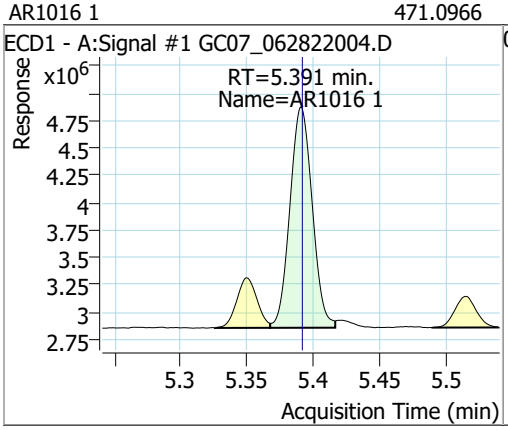
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	19.0709	5.38	0.00	1202569				

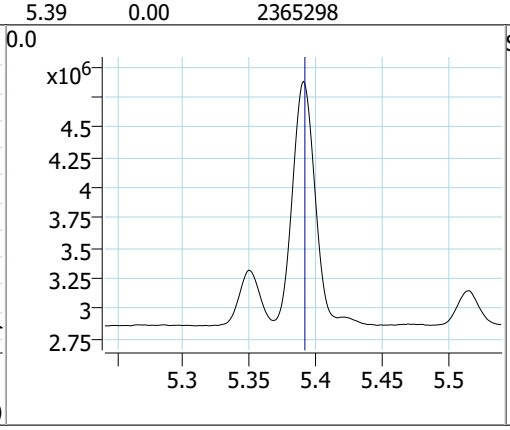


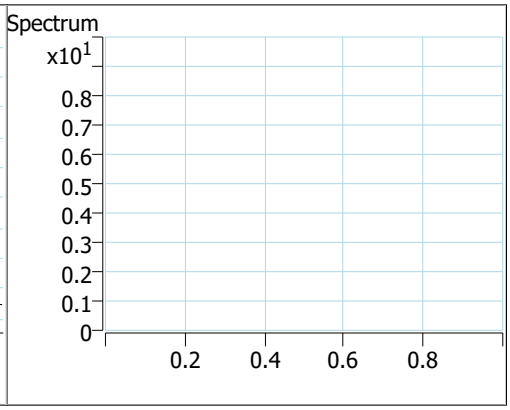




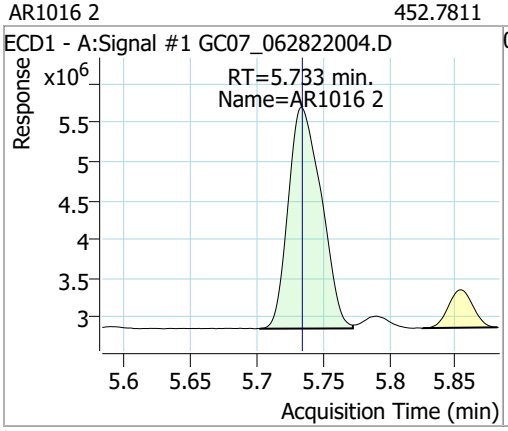
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	471.0966	5.39	0.00	2365298				

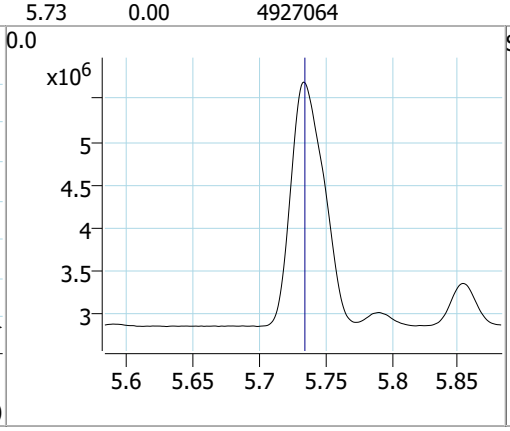


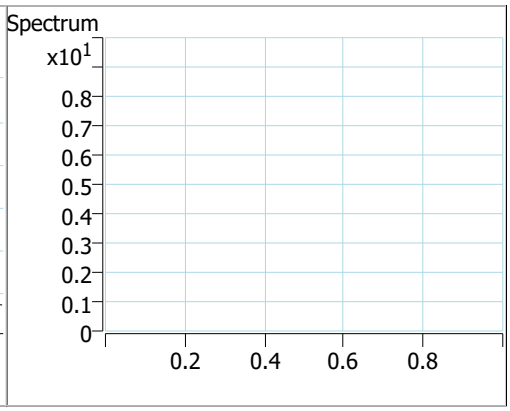




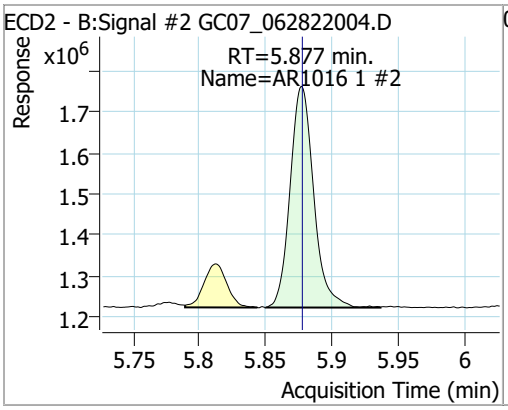
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	452.7811	5.73	0.00	4927064				

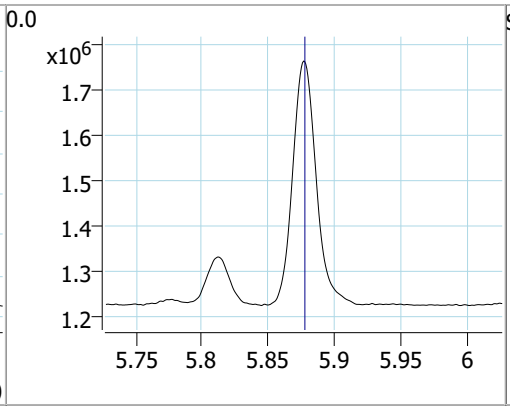


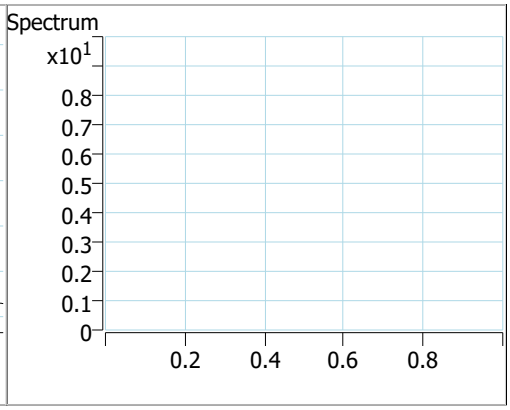




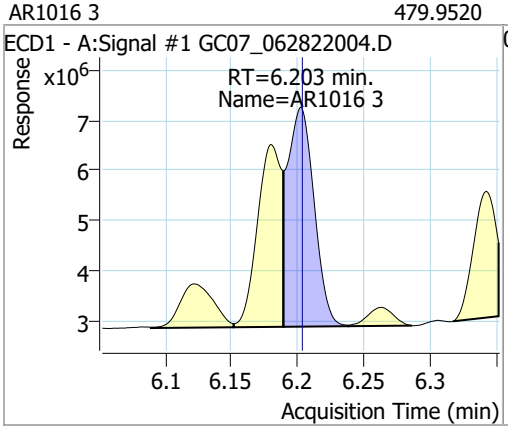
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	479.3659	5.88	0.00	670760				

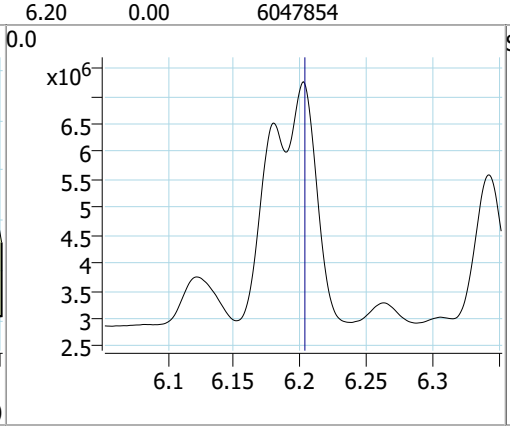


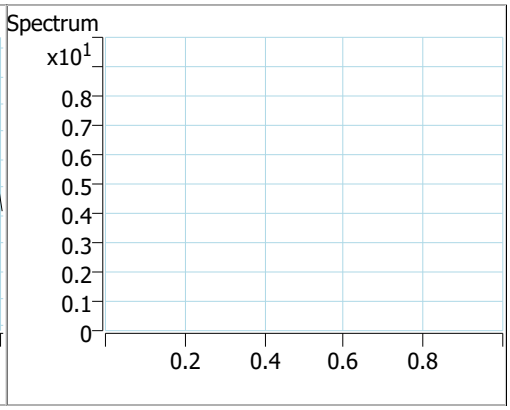




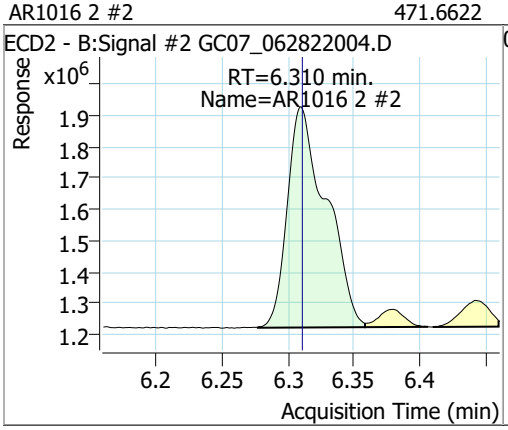
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	479.9520	6.20	0.00	6047854				

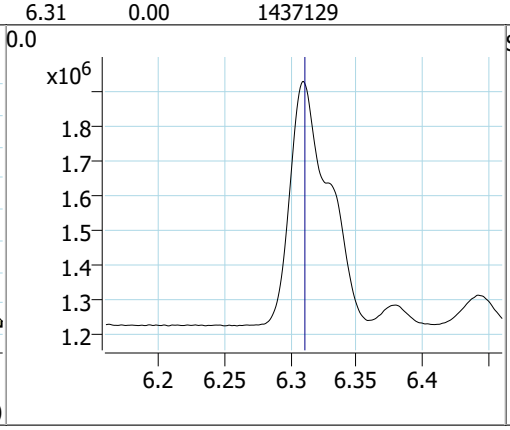


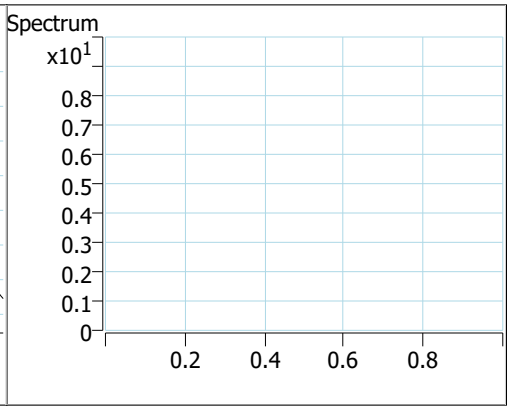




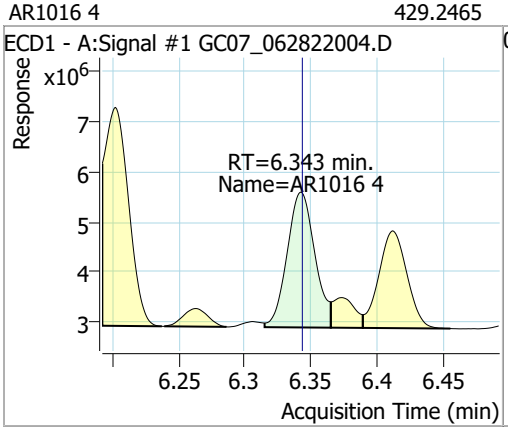
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	471.6622	6.31	0.00	1437129				

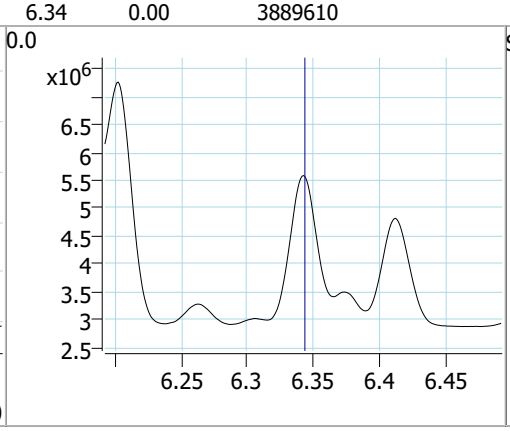


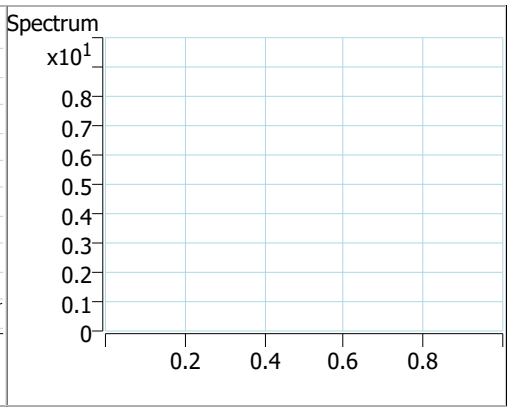




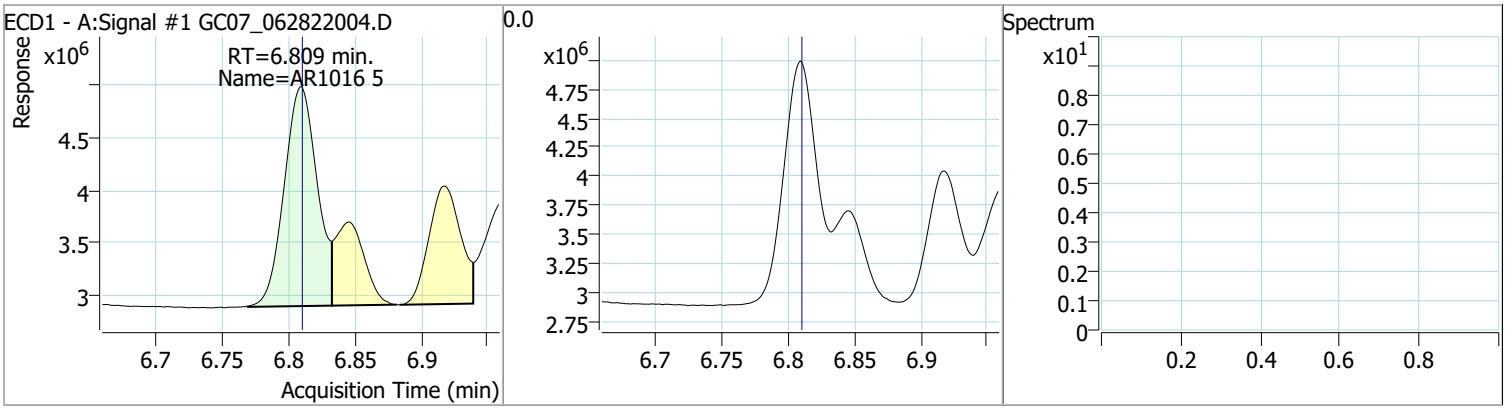
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	429.2465	6.34	0.00	3889610				



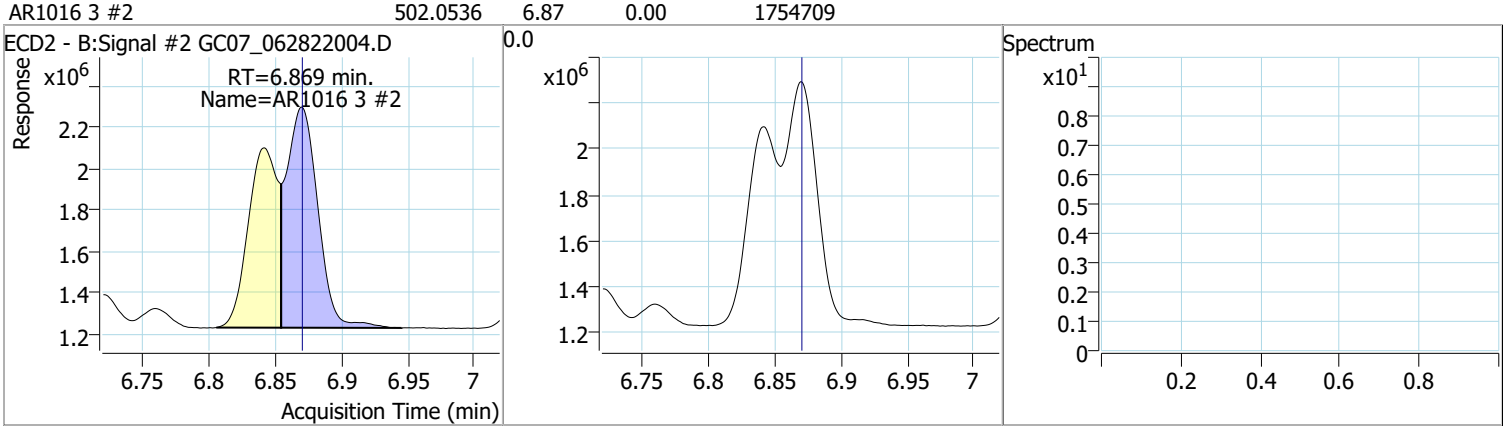




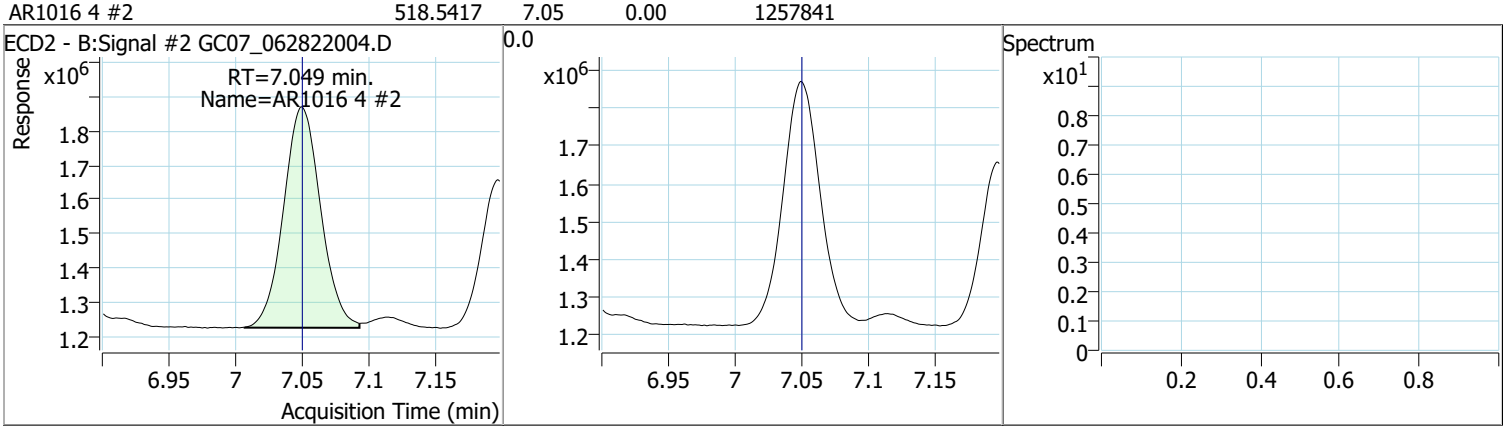
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	479.4264	6.81	0.00	3618666				



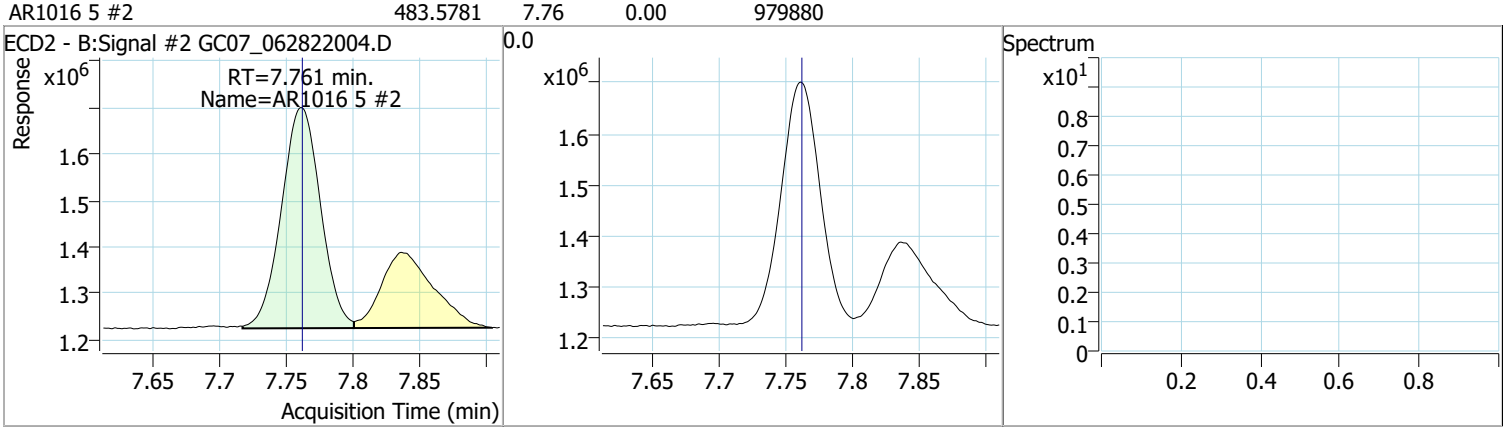
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	502.0536	6.87	0.00	1754709				



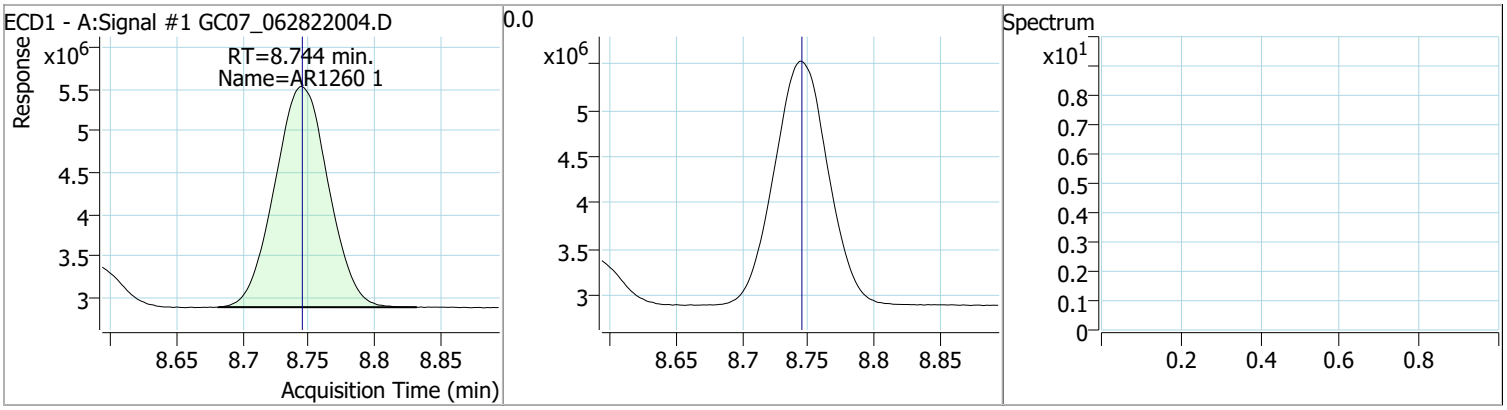
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	518.5417	7.05	0.00	1257841				



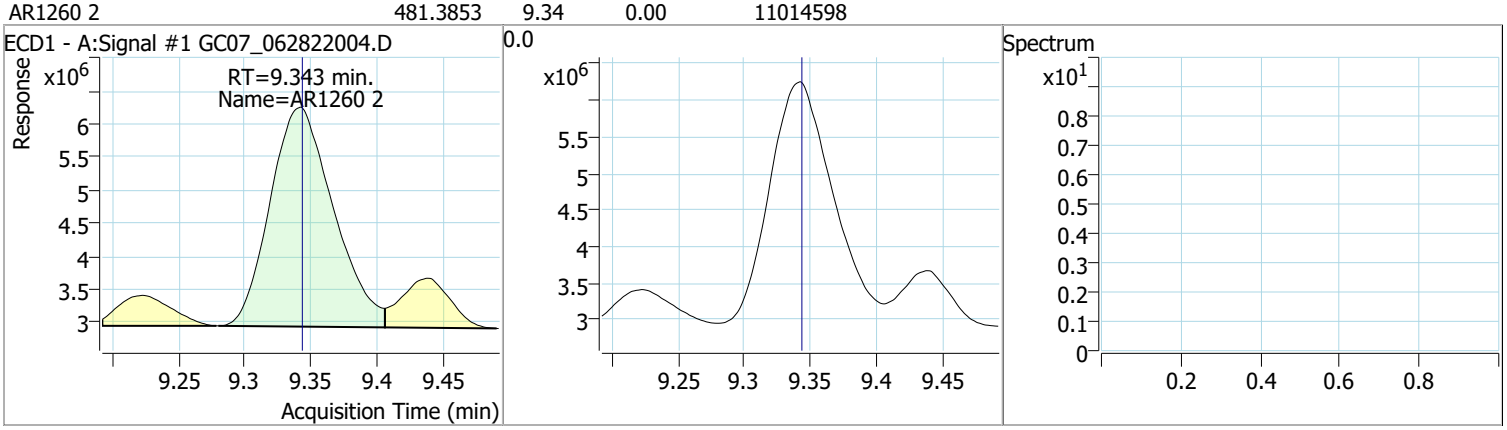
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	483.5781	7.76	0.00	979880				



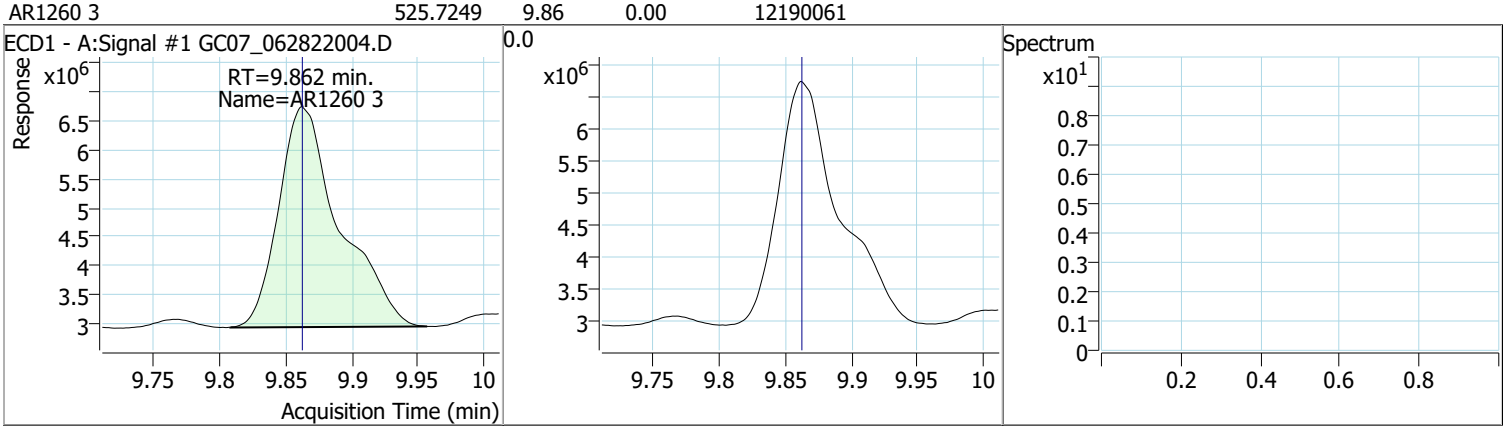
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	466.9149	8.74	0.00	7442303				



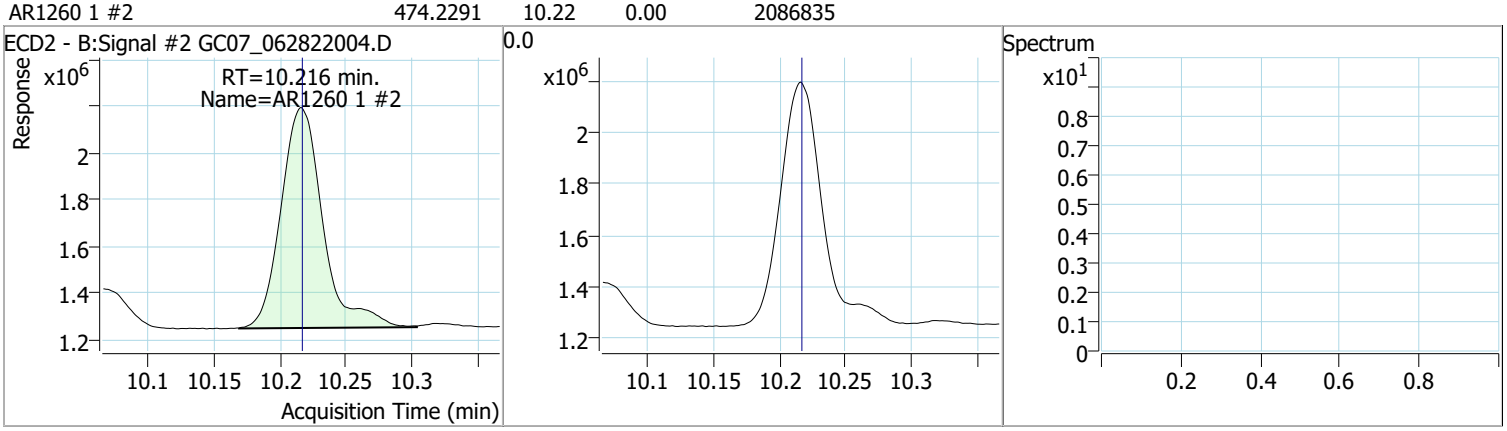
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	481.3853	9.34	0.00	11014598				



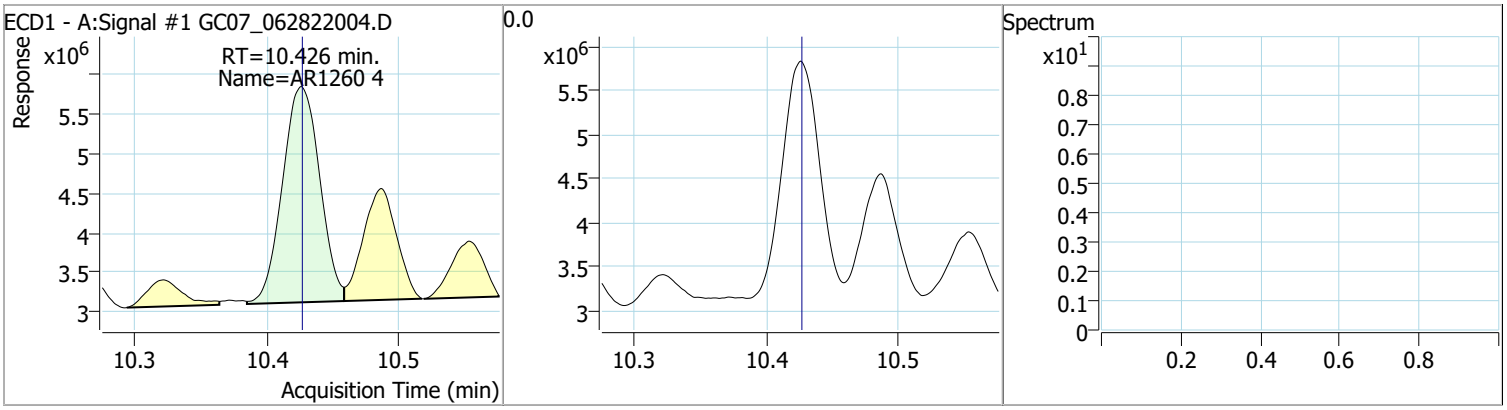
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	525.7249	9.86	0.00	12190061				



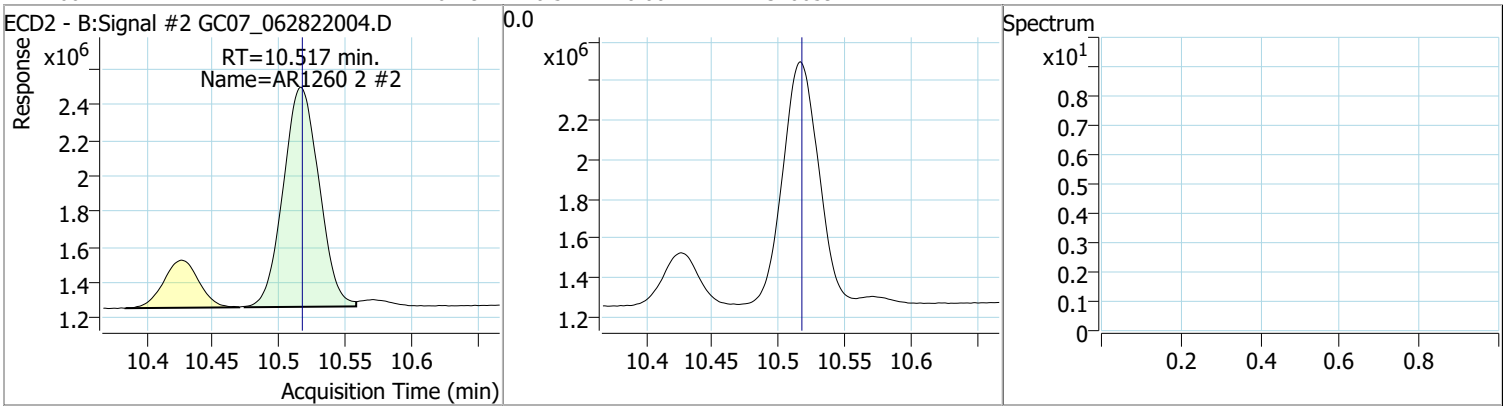
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	474.2291	10.22	0.00	2086835				



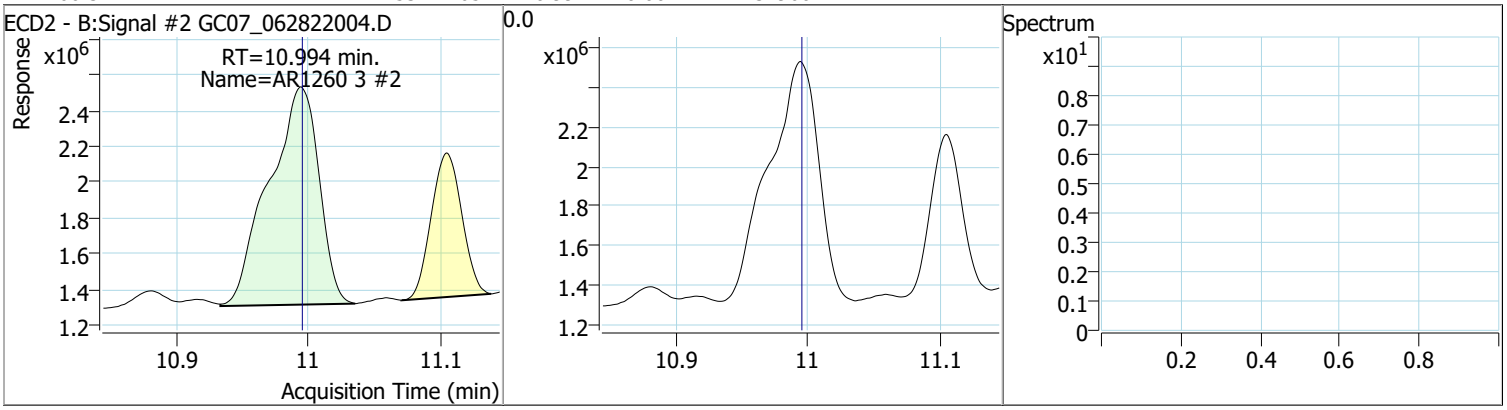
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	447.7978	10.43	0.00	5307953				



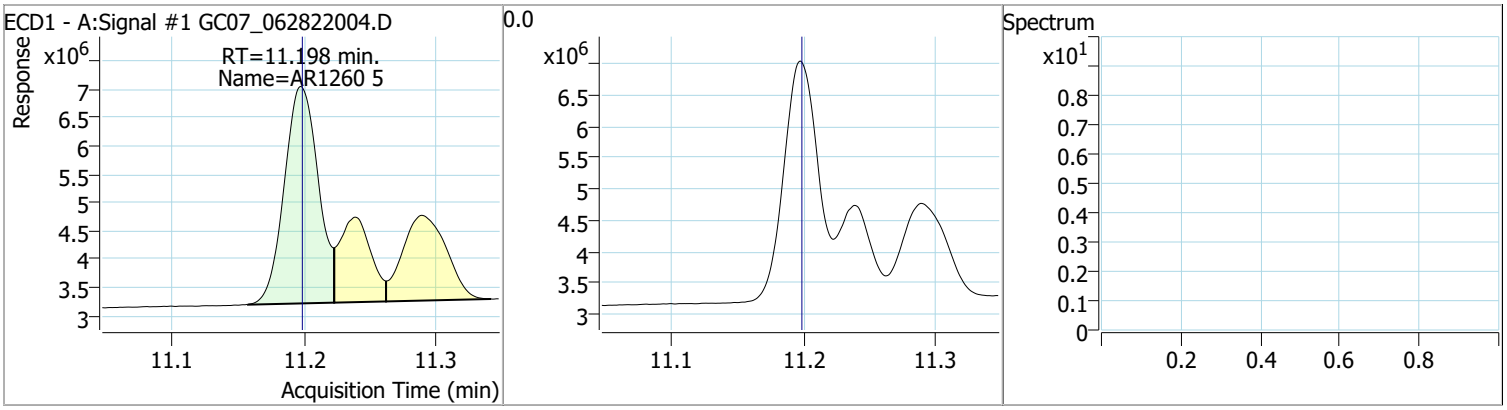
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	474.6729	10.52	0.00	2320659				



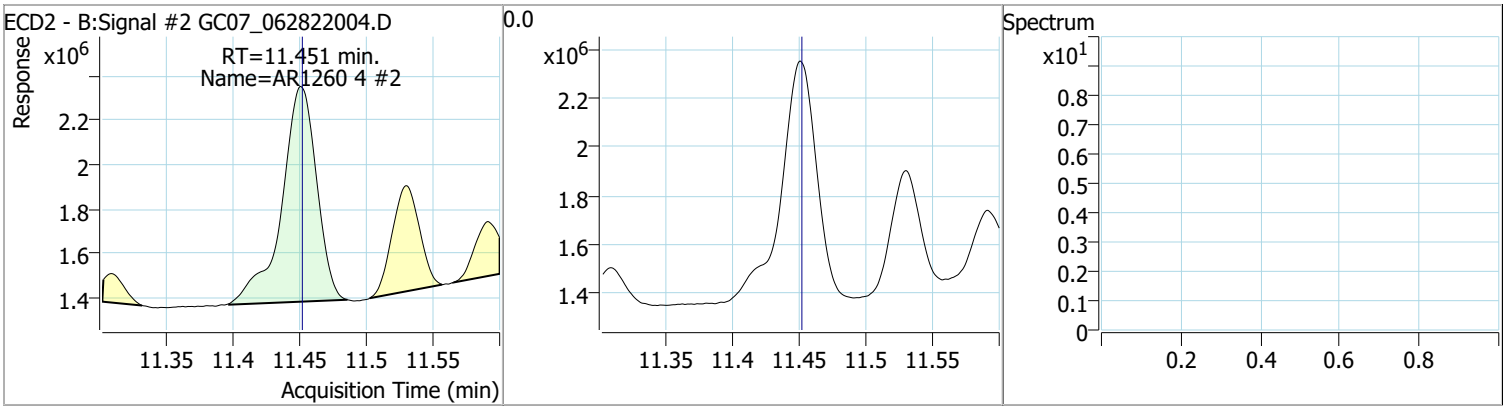
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	531.1165	10.99	0.00	3196047				



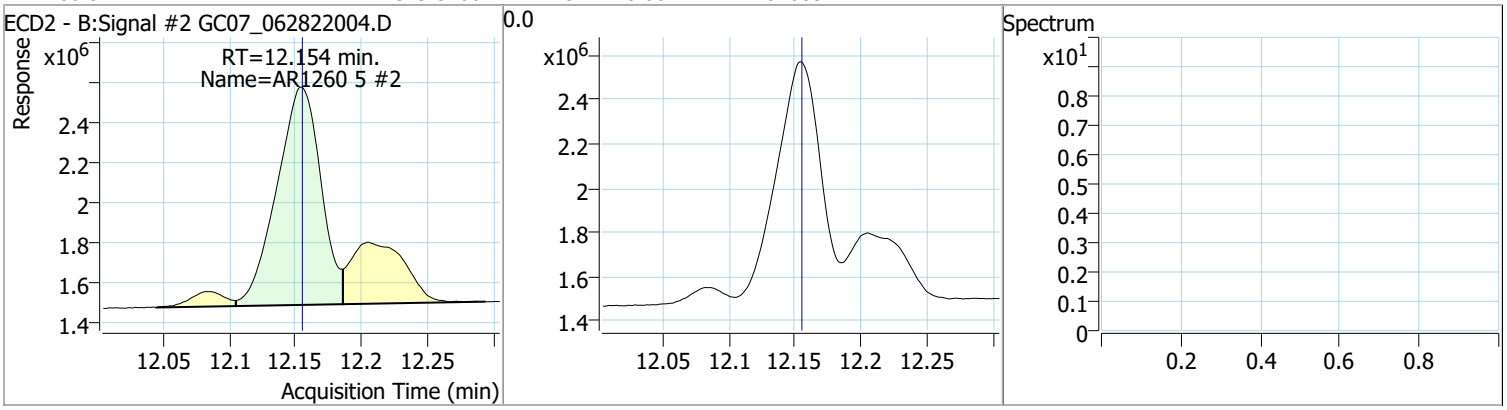
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	627.6905	11.20	0.00	6830863				



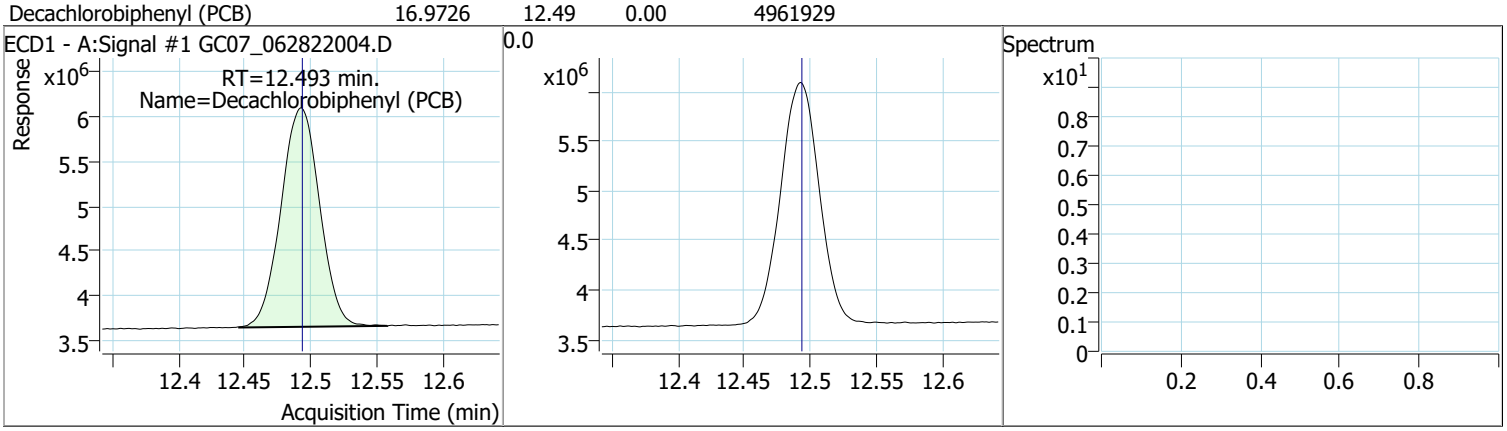
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	530.5347	11.45	0.00	1791212				



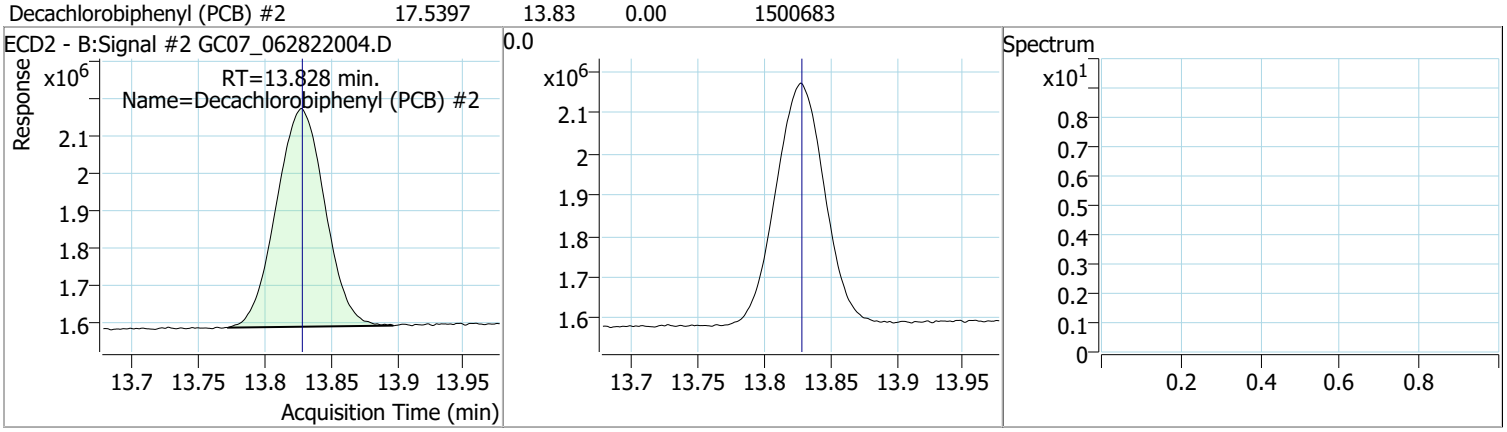
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	519.5700	12.15	0.00	2520832				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	16.9726	12.49	0.00	4961929				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	17.5397	13.83	0.00	1500683				



Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 464785
Report Level: IV
Report Date: 01/05/2023

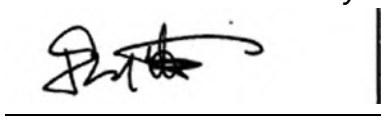
Metals

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	464785
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	06/23/22

Sample ID	Lab ID	Collected	Matrix
DOOR-N-0.2GW-DG-7 TO 21-220623-L-LA	464785-001	06/23/22 10:05	Wipe
DOOR-N-0.3GW-DG-6 TO 20-220623-L-G	464785-003	06/23/22 11:25	Wipe
DOOR-N-0.4GW-EXT-6 TO 7-220623-L-CB	464785-005	06/23/22 11:09	Wipe

Case Narrative

METALS (EPA 6010B)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 464785 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 06/23/22

This data package contains sample and QC results for three wipe samples, requested for the above referenced project on 06/23/22. See attached cooler receipt form for any sample receipt problems or discrepancies.

Metals (EPA 6010B):

No analytical problems were encountered.

Chain of Custody

464785

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)					
Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim and T. Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	DOOR-N-0.2GW-DG-7 TO 21-220623-L- LA	6/23/2022	1005	WP				X		2x Rivet Type 1 = 0.0276 ft² added
2	DOOR-N-0.2GW-DG-7 TO 21-220623-P- LA	6/23/2022	1005	WP			X			~~2x Rivet Type 1 =~~ TS
3	DOOR-N-0.3GW-DG-6 TO 20-220623-L- G	6/23/2022	1125	WP				X		2x Rivet Type 1 = 0.0276 ft² added
4	DOOR-N-0.3GW-DG-6 TO 20-220623-P- G	6/23/2022	1125	WP			X			Surface area
5	DOOR-N-0.4GW-EXT-6 TO 7-220623-L- CB	6/23/2022	1109	WP				X		
6	DOOR-N-0.4GW-EXT-6 TO 7-220623-P- CB	6/23/2022	1109	WP			X			
7										
8										
9										
10										
11										
12										
13										
14										
15										

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Report requires Stage 3 Data Validation

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Tyler Sinnott	Rincon / Envi. Scientist	6/23/22 / 1330
1 Received By:		AUDREY HUDSON	ENTHALPY	6/23/22 13:30
2 Relinquished By:		"	"	6/26/22 15:25
2 Received By:		Maxwell Yap	EA	6/23/22 15:25
3 Relinquished By:		Maxwell Yap	EA	6/23/22 16:10
3 Received By:		Yanira	ea	6/24 08:40

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 464785 Client: Ramon

Date Received: 6/23/22 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☐ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☐ Yes, how many? _____ ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☑ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 6/23/22 By (print) MY (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☑ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: _____, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 6/23/22 **By (print)** MY **(sign)** _____

Date Labeled 6/23/22 **By (print)** MY **(sign)** _____

ENTHALPY

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Kinder Morgan Project: Hangar 1 - NCTRAW

Date Received: 6/24/2022 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.5 (dry ice) #2: 3.0 #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: Greyhound

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.0 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Yanita Date: 6/24/2022

STD PPD 23JUN22 20:57A

Schd: GLI 68

Pcs: 3 of 4 LOS ANGELES, CA

From: Enthalpy Analytical - Or
000-000-0000

RECV: ENTHALPY ANALYTICAL
931 W. BARKLEY A
ORANGE, CA 92868
Phone: 925-487-8029
Standard
Agency Phone: (213)629-8420

LOS ANGELES

Manual Wght:
181.8
Tariff Wght:
184.0

PO/Ref #:

WWW.SHIPGREYHOUND.COM

5/30 6/10 @ 08:40

Results & QC Summary

ENTHALPY ANALYTICAL

Lead

Lab #: 464785 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.2GW-DG-7 TO 21-220623-L-LA **Batch#:** 291864 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/23/22 **Analysis:** EPA 6010B
Lab ID: 464785-001 **Received:** 06/23/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 06/24/22
Diln Fac: 1.000 **Analyzed:** 06/24/22

Analyte	Result	RL	Units
Lead	**37**	0.97	ug/ft2

Field ID: DOOR-N-0.3GW-DG-6 TO 20-220623-L-G **Batch#:** 291864 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/23/22 **Analysis:** EPA 6010B
Lab ID: 464785-003 **Received:** 06/23/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 06/24/22
Diln Fac: 1.000 **Analyzed:** 06/24/22

Analyte	Result	RL	Units
Lead	**150**	0.97	ug/ft2

Field ID: DOOR-N-0.4GW-EXT-6 TO 7-220623-L-CB **Batch#:** 291864 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/23/22 **Analysis:** EPA 6010B
Lab ID: 464785-005 **Received:** 06/23/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 06/24/22
Diln Fac: 1.000 **Analyzed:** 06/24/22

Analyte	Result	RL	Units
Lead	**170**	1.0	ug/ft2

Type: BLANK **Batch#:** 291864 **Analysis:** EPA 6010B
Lab ID: QC996928 **Prepared:** 06/24/22 **Analyst:** KLN
Matrix: Wipe **Analyzed:** 06/24/22
Diln Fac: 1.000 **Prep:** EPA 3050B

Analyte	Result	RL	Units
Lead	ND	1.0	ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 464785 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 291864 **Analysis:** EPA 6010B

Lab ID: QC996929 **Prepared:** 06/24/22 **Analyst:** KLN

Matrix: Wipe **Analyzed:** 06/24/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	103.4	103	80-120	ug/ft2

Type: BSD **Batch#:** 291864 **Analysis:** EPA 6010B

Lab ID: QC996930 **Prepared:** 06/24/22 **Analyst:** KLN

Matrix: Wipe **Analyzed:** 06/24/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	104.3	104	80-120	ug/ft2	1	20

Legend

RPD: Relative Percent Difference

REPORTING SUMMARY FOR 464785 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	PB	
464785-001	MET06	06/24/22 22:27	1.0	+	
464785-003	MET06	06/24/22 22:31	1.0	+	
464785-005	MET06	06/24/22 22:34	1.0	+	
QC996928	MET06	06/24/22 22:01	1.0	+	
QC996929	MET06	06/24/22 22:05	1.0	+	
QC996930	MET06	06/24/22 22:08	1.0	+	

Enthalpy Sequence Summary for Sequence 482252582

Instrument : MET06 Begun : 06/24/22 09:42
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master	ICALBLK	CALBLANK			06/24/22 09:42	1.0	1	
002	met06_master	ICALBLK	CALBLANK			06/24/22 09:46	1.0	1	
003	met06_master	ICAL	L1			06/24/22 09:49	1.0	2 1	
004	met06_master	ICAL	L2			06/24/22 09:52	1.0	3 1	
005	met06_master	ICAL	L3			06/24/22 09:55	1.0	4 1	
006	met06_master	ICAL	L4			06/24/22 09:59	1.0	5 1	
007	met06_master	ICAL	L5			06/24/22 10:02	1.0	6 1	
008	met06_master	ICAL	L6			06/24/22 10:05	1.0	7 1	
009	met06_master	ICAL	L7			06/24/22 10:09	1.0	8 1	
010	met06_master	ICAL	L8			06/24/22 10:12	1.0	9 1	
011	met06_master	ICV				06/24/22 10:15	1.0	10 1	
012	met06_master	CRI				06/24/22 10:32	1.0	11 1	
013	met06_master	ICB				06/24/22 10:35	1.0	1	
014	met06_master	ICSA				06/24/22 10:38	1.0	12 1	4:MGASMGCO3=1400
015	met06_master	ICSAB				06/24/22 10:42	1.0	13 1	4:MGASMGCO3=1400
016	met06_master	BLANK	QC996376	Drinking Water	291675	06/24/22 10:45	1.0	1	
017	met06_master	BLANK	QC996714	Water	291785	06/24/22 10:57	1.0	1	
018	met06_master	LCS	QC996715	Water	291785	06/24/22 11:01	1.0	1	
019	met06_master	SAMPLE	464701-001	Water	291785	06/24/22 11:04	50.0	1	
020	met06_master	MSS	464716-001	Water	291785	06/24/22 11:07	1.0	1	1:SULFUR=110
021	met06_master	MS	QC996716	Water	291785	06/24/22 11:10	1.0	1	2:MGASMGCO3=740
022	met06_master	MSD	QC996717	Water	291785	06/24/22 11:14	1.0	1	2:MGASMGCO3=730
023	met06_master	SAMPLE	464274-022	Soil	291711	06/24/22 11:17	25.0	1	
024	met06_master	CCV				06/24/22 11:20	1.0	10 1	
025	met06_master	CCB				06/24/22 11:23	1.0	1	
026	met06_master	SAMPLE	464701-001	Water	291785	06/24/22 11:40	50.0	1	
027	met06_master	BLANK	QC996199	Soil	291607	06/24/22 11:46	1.0	1	
028	met06_master	LCS	QC996200	Soil	291607	06/24/22 11:49	1.0	1	
029	met06_master	SAMPLE	463774-053	Soil	291607	06/24/22 11:52	1.0	1	
030	met06_master	MSS	464274-009	Soil	291607	06/24/22 11:55	1.0	1	4:ALASAL2O3=410
031	met06_master	MS	QC996201	Soil	291607	06/24/22 11:59	1.0	1	4:ALASAL2O3=450
032	met06_master	MSD	QC996202	Soil	291607	06/24/22 12:02	1.0	1	4:ALASAL2O3=530
033	met06_master	PDS	QC996203	Soil	291607	06/24/22 12:05	1.0	1	2:FE=210
034	met06_master	SAMPLE	464406-001	Miscell.	291607	06/24/22 12:08	1.0	1	4:CU=150
035	met06_master	SAMPLE	464407-001	Soil	291607	06/24/22 12:12	1.0	1	
036	met06_master	CCV				06/24/22 12:15	1.0	10 1	
037	met06_master	CCB				06/24/22 12:18	1.0	1	
038	met06_master	SAMPLE	464427-001	Soil	291607	06/24/22 12:21	1.0	1	1:FE=200
039	met06_master	SAMPLE	464475-005	Soil	291607	06/24/22 12:25	1.0	1	1:FE=180
040	met06_master	SAMPLE	464530-001	Soil	291607	06/24/22 12:28	1.0	1	1:FE=330
041	met06_master	SAMPLE	464530-002	Soil	291607	06/24/22 12:31	1.0	1	2:MG=1200
042	met06_master	SAMPLE	464530-003	Soil	291607	06/24/22 12:35	1.0	1	1:FE=240
043	met06_master	SAMPLE	464543-001	Soil	291607	06/24/22 12:38	1.0	1	1:FE=200
044	met06_master	SAMPLE	464543-002	Soil	291607	06/24/22 12:41	1.0	1	1:FE=180
045	met06_master	SAMPLE	464543-004	Soil	291607	06/24/22 12:44	1.0	1	1:FE=190
046	met06_master	SAMPLE	464543-005	Soil	291607	06/24/22 12:48	1.0	1	1:FE=230
047	met06_master	SAMPLE	464543-007	Soil	291607	06/24/22 12:51	1.0	1	1:FE=170
048	met06_master	CCV				06/24/22 12:54	1.0	10 1	
049	met06_master	CCB				06/24/22 12:57	1.0	1	
050	met06_master	SAMPLE	464543-008	Soil	291607	06/24/22 13:01	1.0	1	1:FE=160
051	met06_master	SAMPLE	464543-010	Soil	291607	06/24/22 13:04	1.0	1	1:FE=160
052	met06_master	SAMPLE	464543-011	Soil	291607	06/24/22 13:07	1.0	1	1:FE=160

Enthalpy Sequence Summary for Sequence 482252582

Instrument : MET06 Begun : 06/24/22 09:42
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met06_master	SAMPLE	464543-012	Soil	291607	06/24/22 13:10	1.0	1	1:FE=190
054	met06_master	SAMPLE	464543-015	Soil	291607	06/24/22 13:17	1.0	1	1:FE=190
055	met06_master	SAMPLE	464059-001	Water	291005	06/24/22 13:20	25.0	1	
056	met06_master	CCV				06/24/22 13:23	1.0	10 1	
057	met06_master	CCB				06/24/22 13:27	1.0	1	
058	met06_master	BLANK	QC996810	Water	291823	06/24/22 13:34	1.0	1	
059	met06_master	LCS	QC996811	Water	291823	06/24/22 13:37	1.0	1	
060	met06_master	MSS	464684-003	Water	291823	06/24/22 13:41	1.0	1	
061	met06_master	XMS	QC996812	Water	291823	06/24/22 13:44	1.0	1	
062	met06_master	MSD	QC996813	Water	291823	06/24/22 13:47	1.0	1	
063	met06_master	SAMPLE	464723-002	Water	291823	06/24/22 13:50	1.0	1	
064	met06_master	SAMPLE	464747-001	Water	291823	06/24/22 13:54	1.0	1	1:SULFUR=190
065	met06_master	SAMPLE	464763-001	Water	291823	06/24/22 13:57	1.0	1	1:SULFUR=210
066	met06_master	SAMPLE	464764-001	Water	291823	06/24/22 14:00	1.0	1	2:NA=2800
067	met06_master	SAMPLE	464764-002	Water	291823	06/24/22 14:03	1.0	1	2:NA=3700
068	met06_master	CCV				06/24/22 14:07	1.0	10 1	
069	met06_master	CCB				06/24/22 14:10	1.0	1	
070	met06_master	SAMPLE	464764-003	Water	291823	06/24/22 14:13	1.0	1	2:SULFUR=4700
071	met06_master	BLANK	QC996852	TCLP Leachate	291835	06/24/22 14:16	1.0	1	1:NA=1200
072	met06_master	LCS	QC996853	TCLP Leachate	291835	06/24/22 14:20	1.0	1	1:NA=1200
073	met06_master	MSS	464186-060	TCLP Leachate	291835	06/24/22 14:26	1.0	1	1:NA=1100
074	met06_master	MS	QC996854	TCLP Leachate	291835	06/24/22 14:29	1.0	1	1:NA=1200
075	met06_master	MSD	QC996855	TCLP Leachate	291835	06/24/22 14:33	1.0	1	1:NA=1300
076	met06_master	BS	QC996840	Air	291832	06/24/22 14:39	1.0	1	
077	met06_master	BSD	QC996841	Air	291832	06/24/22 14:42	1.0	1	
078	met06_master	CCV				06/24/22 14:46	1.0	10 1	
079	met06_master	CCB				06/24/22 14:49	1.0	1	
080	met06_master	SAMPLE	464737-001	Air	291832	06/24/22 14:52	1.0	1	
081	met06_master	SAMPLE	464737-003	Air	291832	06/24/22 14:56	1.0	1	
082	met06_master	SAMPLE	464737-005	Air	291832	06/24/22 14:59	1.0	1	
083	met06_master	BLANK	QC994465	Water	291005	06/24/22 15:02	1.0	1	
084	met06_master	LCS	QC994466	Water	291005	06/24/22 15:05	1.0	1	
085	met06_master	MSS	464073-001	Water	291005	06/24/22 15:09	1.0	1	
086	met06_master	MS	QC994467	Water	291005	06/24/22 15:12	1.0	1	
087	met06_master	CCV				06/24/22 15:18	1.0	10 1	
088	met06_master	CCB				06/24/22 15:22	1.0	1	
089	met06_master	BLANK	QC996916	WET Leachate	291860	06/24/22 15:50	1.0	1	
090	met06_master	BLANK	QC996919	WET Leachate	291860	06/24/22 15:53	1.0	1	
091	met06_master	BS	QC996917	WET Leachate	291860	06/24/22 15:57	1.0	1	
092	met06_master	BSD	QC996918	WET Leachate	291860	06/24/22 16:00	1.0	1	
093	met06_master	SAMPLE	462959-007	WET Leachate	291860	06/24/22 16:03	1.0	1	
094	met06_master	SAMPLE	462959-008	WET Leachate	291860	06/24/22 16:06	1.0	1	
095	met06_master	SAMPLE	462959-009	WET Leachate	291860	06/24/22 16:10	1.0	1	
096	met06_master	SAMPLE	462959-010	WET Leachate	291860	06/24/22 16:13	1.0	1	
097	met06_master	SAMPLE	462959-014	WET Leachate	291860	06/24/22 16:16	1.0	1	
098	met06_master	XMS	QC996812	Water	291823	06/24/22 16:20	1.0	1	
099	met06_master	CCV				06/24/22 16:25	1.0	10 1	
100	met06_master	CCB				06/24/22 16:28	1.0	1	
101	met06_master	BLANK	QC996852	TCLP Leachate	291835	06/24/22 16:31	1.0	1	1:NA=1200
102	met06_master	SAMPLE	464186-019	TCLP Leachate	291835	06/24/22 16:34	1.0	1	1:NA=1200
103	met06_master	LCS	QC996399	Water	291680	06/24/22 16:38	1.0	1	
104	met06_master	MSS	464619-001	Water	291680	06/24/22 16:41	1.0	1	1:SULFUR=360

Enthalpy Sequence Summary for Sequence 482252582

Instrument : MET06 Begun : 06/24/22 09:42
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
105	met06_master	MS	QC996400	Water	291680	06/24/22 16:44	1.0	1	1:SULFUR=370
106	met06_master	MSD	QC996401	Water	291680	06/24/22 16:47	1.0	1	1:SULFUR=380
107	met06_master	SAMPLE	464641-001	Water	291680	06/24/22 16:51	1.0	1	
108	met06_master	SAMPLE	464646-002	Sea Water	291680	06/24/22 16:54	1.0	1	4:NA=4100
109	met06_master	MS	QC996812	Water	291823	06/24/22 16:58	1.0	1	
110	met06_master	CCV				06/24/22 17:03	1.0	10 1	
111	met06_master	CCB				06/24/22 17:06	1.0	1	
112	met06_master	SAMPLE	462959-015	WET Leachate	291860	06/24/22 17:12	1.0	1	
113	met06_master	SAMPLE	462959-016	WET Leachate	291860	06/24/22 17:15	1.0	1	
114	met06_master	SAMPLE	462959-017	WET Leachate	291860	06/24/22 17:18	1.0	1	
115	met06_master	BLANK	QC996839	Air	291832	06/24/22 17:23	1.0	1	
116	met06_master	SAMPLE	462959-018	WET Leachate	291860	06/24/22 17:26	1.0	1	
117	met06_master	SAMPLE	462959-020	WET Leachate	291860	06/24/22 17:30	1.0	1	
118	met06_master	SAMPLE	463034-001	WET Leachate	291860	06/24/22 17:33	1.0	1	
119	met06_master	SAMPLE	463034-003	WET Leachate	291860	06/24/22 17:36	1.0	1	
120	met06_master	SAMPLE	463034-005	WET Leachate	291860	06/24/22 17:40	1.0	1	
121	met06_master	CCV				06/24/22 17:49	1.0	10 1	
122	met06_master	CCB				06/24/22 17:53	1.0	1	
123	met06_master	SAMPLE	463034-006	WET Leachate	291860	06/24/22 17:56	1.0	1	
124	met06_master	SAMPLE	463034-007	WET Leachate	291860	06/24/22 17:59	1.0	1	
125	met06_master	SAMPLE	463034-011	WET Leachate	291860	06/24/22 18:02	1.0	1	
126	met06_master	SAMPLE	463034-012	WET Leachate	291860	06/24/22 18:06	1.0	1	
127	met06_master	SAMPLE	464543-014	Soil	291607	06/24/22 18:09	1.0	1	1:FE=250
128	met06_master	CCV				06/24/22 18:12	1.0	10 1	
129	met06_master	CCB				06/24/22 18:15	1.0	1	
130	met06_master	BLANK	QC996976	WET Leachate	291877	06/24/22 18:32	1.0	1	
131	met06_master	BLANK	QC996977	WET Leachate	291877	06/24/22 18:35	1.0	1	
132	met06_master	BS	QC996978	WET Leachate	291877	06/24/22 18:38	1.0	1	
133	met06_master	BSD	QC996979	WET Leachate	291877	06/24/22 18:42	1.0	1	
134	met06_master	SAMPLE	464274-004	WET Leachate	291877	06/24/22 18:45	1.0	1	
135	met06_master	SAMPLE	464274-007	WET Leachate	291877	06/24/22 18:48	1.0	1	
136	met06_master	SAMPLE	464274-022	WET Leachate	291877	06/24/22 18:51	1.0	1	
137	met06_master	BLANK	QC996920	TCLP Leachate	291862	06/24/22 18:55	1.0	1	1:NA=1200
138	met06_master	LCS	QC996921	TCLP Leachate	291862	06/24/22 18:58	1.0	1	1:NA=1200
139	met06_master	MSS	464274-004	TCLP Leachate	291862	06/24/22 19:01	1.0	1	1:NA=1200
140	met06_master	CCV				06/24/22 19:04	1.0	10 1	
141	met06_master	CCB				06/24/22 19:08	1.0	1	
142	met06_master	MS	QC996922	TCLP Leachate	291862	06/24/22 19:12	1.0	1	1:NA=1200
143	met06_master	MSD	QC996923	TCLP Leachate	291862	06/24/22 19:15	1.0	1	1:NA=1200
144	met06_master	SAMPLE	464274-022	TCLP Leachate	291862	06/24/22 19:19	1.0	1	1:NA=1200
145	met06_master	MSS	464349-001	Drinking Water	291893	06/24/22 19:22	1.0	1	
146	met06_master	MS	QC997004	Drinking Water	291893	06/24/22 19:25	1.0	1	
147	met06_master	MSD	QC997005	Drinking Water	291893	06/24/22 19:28	1.0	1	
148	met06_master	SAMPLE	464349-002	Drinking Water	291893	06/24/22 19:32	1.0	1	
149	met06_master	SAMPLE	464349-003	Drinking Water	291893	06/24/22 19:35	1.0	1	
150	met06_master	SAMPLE	464349-004	Drinking Water	291893	06/24/22 19:38	1.0	1	
151	met06_master	SAMPLE	464349-005	Drinking Water	291893	06/24/22 19:41	1.0	1	
152	met06_master	CCV				06/24/22 19:45	1.0	10 1	
153	met06_master	CCB				06/24/22 19:48	1.0	1	
154	met06_master	SAMPLE	464349-006	Drinking Water	291893	06/24/22 19:51	1.0	1	
155	met06_master	SAMPLE	464349-007	Drinking Water	291893	06/24/22 19:54	1.0	1	
156	met06_master	SAMPLE	464349-008	Drinking Water	291893	06/24/22 19:58	1.0	1	

Enthalpy Sequence Summary for Sequence 482252582

Instrument : MET06 Begun : 06/24/22 09:42
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
157	met06_master	SAMPLE	464349-009	Drinking Water	291893	06/24/22 20:01	1.0	1	
158	met06_master	SAMPLE	464349-010	Drinking Water	291893	06/24/22 20:04	1.0	1	
159	met06_master	BLANK	QC996821	Water	291826	06/24/22 20:07	1.0	1	
160	met06_master	LCS	QC996822	Water	291826	06/24/22 20:11	1.0	1	
161	met06_master	SAMPLE	464654-001	Water	291826	06/24/22 20:14	1.0	1	
162	met06_master	SAMPLE	464781-001	Water	291826	06/24/22 20:17	1.0	1	
163	met06_master	MSS	464782-002	Water	291826	06/24/22 20:20	1.0	1	7:SULFUR=1600
164	met06_master	CCV				06/24/22 20:24	1.0	10 1	
165	met06_master	CCB				06/24/22 20:27	1.0	1	
166	met06_master	MS	QC996823	Water	291826	06/24/22 20:30	1.0	1	7:SULFUR=1600
167	met06_master	MSD	QC996824	Water	291826	06/24/22 20:33	1.0	1	7:SULFUR=1700
168	met06_master	BLANK	QC996814	Water	291825	06/24/22 20:37	1.0	1	
169	met06_master	LCS	QC996815	Water	291825	06/24/22 20:40	1.0	1	
170	met06_master	MSS	464765-002	Water	291825	06/24/22 20:43	1.0	1	3:NA=3700
171	met06_master	MS	QC996819	Water	291825	06/24/22 20:46	1.0	1	3:NA=3700
172	met06_master	MSD	QC996820	Water	291825	06/24/22 20:50	1.0	1	3:NA=3600
173	met06_master	BLANK	QC996825	Water	291827	06/24/22 20:53	1.0	1	
174	met06_master	LCS	QC996826	Water	291827	06/24/22 20:56	1.0	1	
175	met06_master	MSS	464778-001	Water	291827	06/24/22 21:00	1.0	1	
176	met06_master	CCV				06/24/22 21:03	1.0	10 1	
177	met06_master	CCB				06/24/22 21:06	1.0	1	
178	met06_master	MS	QC996827	Water	291827	06/24/22 21:09	1.0	1	
179	met06_master	MSD	QC996828	Water	291827	06/24/22 21:13	1.0	1	
180	met06_master	SAMPLE	464782-001	Water	291827	06/24/22 21:16	1.0	1	1:SULFUR=570
181	met06_master	SAMPLE	464782-003	Water	291827	06/24/22 21:19	1.0	1	3:NA=2700
182	met06_master	BLANK	QC996911	Soil	291859	06/24/22 21:22	1.0	1	
183	met06_master	LCS	QC996912	Soil	291859	06/24/22 21:26	1.0	1	
184	met06_master	MSS	464254-001	Soil	291859	06/24/22 21:29	1.0	1	2:FEASFE2O3=130
185	met06_master	MS	QC996913	Soil	291859	06/24/22 21:32	1.0	1	2:ALASAL2O3=130
186	met06_master	MSD	QC996914	Soil	291859	06/24/22 21:35	1.0	1	2:ALASAL2O3=120
187	met06_master	PDS	QC996915	Soil	291859	06/24/22 21:39	1.0	1	
188	met06_master	CCV				06/24/22 21:42	1.0	10 1	
189	met06_master	CCB				06/24/22 21:45	1.0	1	
190	met06_master	SAMPLE	464254-002	Soil	291859	06/24/22 21:48	1.0	1	
191	met06_master	SAMPLE	464254-003	Soil	291859	06/24/22 21:52	1.0	1	
192	met06_master	SAMPLE	464254-004	Soil	291859	06/24/22 21:55	1.0	1	1:FE=230
193	met06_master	SAMPLE	464254-005	Soil	291859	06/24/22 21:58	1.0	1	1:FE=340
194	met06_master	BLANK	QC996928	Wipe	291864	06/24/22 22:01	1.0	1	
195	met06_master	BS	QC996929	Wipe	291864	06/24/22 22:05	1.0	1	
196	met06_master	BSD	QC996930	Wipe	291864	06/24/22 22:08	1.0	1	
197	met06_master	SAMPLE	464779-001	Wipe	291864	06/24/22 22:11	1.0	1	
198	met06_master	SAMPLE	464779-004	Wipe	291864	06/24/22 22:14	1.0	1	
199	met06_master	SAMPLE	464779-005	Wipe	291864	06/24/22 22:18	1.0	1	
200	met06_master	CCV				06/24/22 22:21	1.0	10 1	
201	met06_master	CCB				06/24/22 22:24	1.0	1	
202	met06_master	SAMPLE	464785-001	Wipe	291864	06/24/22 22:27	1.0	1	
203	met06_master	SAMPLE	464785-003	Wipe	291864	06/24/22 22:31	1.0	1	
204	met06_master	SAMPLE	464785-005	Wipe	291864	06/24/22 22:34	1.0	1	
205	met06_master	BLANK	QC996194	Soil	291606	06/24/22 22:37	1.0	1	
206	met06_master	LCS	QC996195	Soil	291606	06/24/22 22:40	1.0	1	
207	met06_master	MSS	463774-003	Soil	291606	06/24/22 22:44	1.0	1	3:FEASFE2O3=370
208	met06_master	MS	QC996196	Soil	291606	06/24/22 22:47	1.0	1	3:ALASAL2O3=400

Enthalpy Sequence Summary for Sequence 482252582

Instrument : MET06 Begun : 06/24/22 09:42
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
209	met06_master	MSD	QC996197	Soil	291606	06/24/22 22:50	1.0	1	3:FEASFE2O3=440
210	met06_master	PDS	QC996198	Soil	291606	06/24/22 22:53	1.0	1	1:FE=260
211	met06_master	SAMPLE	463774-004	Soil	291606	06/24/22 22:56	1.0	1	1:FE=170
212	met06_master	CCV				06/24/22 23:00	1.0	10 1	
213	met06_master	CCB				06/24/22 23:03	1.0	1	
214	met06_master	SAMPLE	463774-005	Soil	291606	06/24/22 23:06	1.0	1	1:FE=230
215	met06_master	SAMPLE	463774-006	Soil	291606	06/24/22 23:09	1.0	1	
216	met06_master	SAMPLE	463774-012	Soil	291606	06/24/22 23:13	1.0	1	1:FE=210
217	met06_master	SAMPLE	463774-013	Soil	291606	06/24/22 23:16	1.0	1	
218	met06_master	SAMPLE	463774-015	Soil	291606	06/24/22 23:19	1.0	1	
219	met06_master	SAMPLE	463774-021	Soil	291606	06/24/22 23:22	1.0	1	1:FE=180
220	met06_master	SAMPLE	463774-022	Soil	291606	06/24/22 23:26	1.0	1	
221	met06_master	SAMPLE	463774-024	Soil	291606	06/24/22 23:29	1.0	1	
222	met06_master	SAMPLE	463774-027	Soil	291606	06/24/22 23:32	1.0	1	
223	met06_master	SAMPLE	463774-029	Soil	291606	06/24/22 23:35	1.0	1	1:FE=270
224	met06_master	CCV				06/24/22 23:39	1.0	10 1	
225	met06_master	CCB				06/24/22 23:42	1.0	1	
226	met06_master	SAMPLE	464335-001	WET Leachate	291852	06/24/22 23:51	1.0	1	
227	met06_master	BLANK	QC996636	Soil	291766	06/24/22 23:54	1.0	1	
228	met06_master	LCS	QC996637	Soil	291766	06/24/22 23:57	1.0	1	
229	met06_master	SAMPLE	464266-001	Miscell.	291766	06/25/22 00:01	1.0	1	2:FE=220
230	met06_master	SAMPLE	464277-001	Miscell.	291766	06/25/22 00:04	1.0	1	2:FE=220
231	met06_master	SAMPLE	464324-001	Soil	291766	06/25/22 00:07	1.0	1	2:MG=1400
232	met06_master	SAMPLE	464362-002	Miscell.	291766	06/25/22 00:10	1.0	1	1:CA=2100
233	met06_master	SAMPLE	464362-003	Miscell.	291766	06/25/22 00:14	1.0	1	1:V=21
234	met06_master	SAMPLE	464403-001	Soil	291766	06/25/22 00:17	1.0	1	1:FE=210
235	met06_master	SAMPLE	464403-002	Soil	291766	06/25/22 00:20	1.0	1	1:FE=200
236	met06_master	CCV				06/25/22 00:23	1.0	10 1	
237	met06_master	CCB				06/25/22 00:27	1.0	1	
238	met06_master	SAMPLE	464403-003	Soil	291766	06/25/22 00:31	1.0	1	1:FE=210
239	met06_master	SAMPLE	464403-004	Soil	291766	06/25/22 00:34	1.0	1	1:FE=180
240	met06_master	MSS	464413-001	Soil	291766	06/25/22 00:37	1.0	1	3:FEASFE2O3=260
241	met06_master	MS	QC996638	Soil	291766	06/25/22 00:41	1.0	1	3:FEASFE2O3=280
242	met06_master	MSD	QC996639	Soil	291766	06/25/22 00:44	1.0	1	3:FEASFE2O3=270
243	met06_master	PDS	QC996640	Soil	291766	06/25/22 00:47	1.0	1	1:FE=180
244	met06_master	SAMPLE	464413-002	Soil	291766	06/25/22 00:50	1.0	1	1:P=170
245	met06_master	SAMPLE	464413-004	Soil	291766	06/25/22 00:54	1.0	1	1:FE=200
246	met06_master	SAMPLE	464413-005	Soil	291766	06/25/22 00:57	1.0	1	
247	met06_master	SAMPLE	464413-006	Soil	291766	06/25/22 01:00	1.0	1	1:FE=220
248	met06_master	CCV				06/25/22 01:03	1.0	10 1	
249	met06_master	CCB				06/25/22 01:07	1.0	1	
250	met06_master	SAMPLE	464421-001	Soil	291766	06/25/22 01:10	1.0	1	2:FE=250
251	met06_master	SAMPLE	464421-003	Soil	291766	06/25/22 01:13	1.0	1	
252	met06_master	SAMPLE	464421-005	Soil	291766	06/25/22 01:16	1.0	1	
253	met06_master	SAMPLE	464421-006	Soil	291766	06/25/22 01:20	1.0	1	1:FE=230
254	met06_master	SAMPLE	464421-011	Soil	291766	06/25/22 01:23	1.0	1	1:FE=360
255	met06_master	SAMPLE	464421-013	Soil	291766	06/25/22 01:26	1.0	1	1:FE=160
256	met06_master	BLANK	QC996641	Soil	291767	06/25/22 01:30	1.0	1	
257	met06_master	LCS	QC996642	Soil	291767	06/25/22 01:33	1.0	1	
258	met06_master	MSS	464506-001	Soil	291767	06/25/22 01:36	1.0	1	4:FEASFE2O3=320
259	met06_master	MS	QC996643	Soil	291767	06/25/22 01:39	1.0	1	4:FEASFE2O3=300
260	met06_master	CCV				06/25/22 01:43	1.0	10 1	

Enthalpy Sequence Summary for Sequence 482252582

Instrument : MET06 Begun : 06/24/22 09:42
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
261	met06_master	CCB				06/25/22 01:46	1.0	1	
262	met06_master	MSD	QC996644	Soil	291767	06/25/22 01:49	1.0	1	4:FEASFE2O3=360
263	met06_master	PDS	QC996645	Soil	291767	06/25/22 01:52	1.0	1	2:FE=220
264	met06_master	SAMPLE	464508-001	Soil	291767	06/25/22 01:56	1.0	1	2:FE=160
265	met06_master	SAMPLE	464508-003	Soil	291767	06/25/22 01:59	1.0	1	2:FE=170
266	met06_master	SAMPLE	464509-001	Soil	291767	06/25/22 02:02	1.0	1	2:FE=170
267	met06_master	SAMPLE	464509-003	Soil	291767	06/25/22 02:05	1.0	1	3:FE=250
268	met06_master	SAMPLE	464528-001	Soil	291767	06/25/22 02:09	1.0	1	1:FE=230
269	met06_master	SAMPLE	464581-003	Soil	291767	06/25/22 02:12	1.0	1	1:FE=190
270	met06_master	SAMPLE	464606-001	Miscell.	291767	06/25/22 02:15	1.0	1	
271	met06_master	SAMPLE	464617-001	Soil	291767	06/25/22 02:18	1.0	1	2:FE=240
272	met06_master	CCV				06/25/22 02:22	1.0	10 1	
273	met06_master	CCB				06/25/22 02:25	1.0	1	
274	met06_master	SAMPLE	464665-001	Soil	291767	06/25/22 02:28	1.0	1	1:FE=230
275	met06_master	SAMPLE	464665-002	Soil	291767	06/25/22 02:31	1.0	1	1:FE=200
276	met06_master	SAMPLE	464665-003	Soil	291767	06/25/22 02:35	1.0	1	2:FE=200
277	met06_master	SAMPLE	464665-004	Soil	291767	06/25/22 02:38	1.0	1	1:FE=160
278	met06_master	SAMPLE	464665-005	Soil	291767	06/25/22 02:41	1.0	1	1:FE=200
279	met06_master	SAMPLE	464665-006	Soil	291767	06/25/22 02:44	1.0	1	1:FE=180
280	met06_master	SAMPLE	464665-007	Soil	291767	06/25/22 02:48	1.0	1	1:FE=180
281	met06_master	SAMPLE	464665-008	Soil	291767	06/25/22 02:51	1.0	1	1:FE=170
282	met06_master	SAMPLE	464665-009	Soil	291767	06/25/22 02:54	1.0	1	1:FE=190
283	met06_master	SAMPLE	464665-010	Soil	291767	06/25/22 02:57	1.0	1	1:FE=220
284	met06_master	CCV				06/25/22 03:01	1.0	10 1	
285	met06_master	CCB				06/25/22 03:04	1.0	1	
286	met06_master	SAMPLE	464665-011	Soil	291767	06/25/22 03:07	1.0	1	2:FE=200
287	met06_master	BLANK	QC996646	Soil	291768	06/25/22 03:10	1.0	1	
288	met06_master	LCS	QC996647	Soil	291768	06/25/22 03:14	1.0	1	
289	met06_master	MSS	464665-012	Soil	291768	06/25/22 03:17	1.0	1	3:FEASFE2O3=280
290	met06_master	MS	QC996648	Soil	291768	06/25/22 03:20	1.0	1	3:ALASAL2O3=290
291	met06_master	MSD	QC996649	Soil	291768	06/25/22 03:23	1.0	1	3:ALASAL2O3=310
292	met06_master	PDS	QC996650	Soil	291768	06/25/22 03:27	1.0	1	1:FE=200
293	met06_master	SAMPLE	464665-013	Soil	291768	06/25/22 03:30	1.0	1	1:FE=220
294	met06_master	SAMPLE	464665-014	Soil	291768	06/25/22 03:33	1.0	1	1:FE=190
295	met06_master	SAMPLE	464665-015	Soil	291768	06/25/22 03:37	1.0	1	1:FE=160
296	met06_master	CCV				06/25/22 03:40	1.0	10 1	
297	met06_master	CCB				06/25/22 03:43	1.0	1	
298	met06_master	SAMPLE	464665-016	Soil	291768	06/25/22 03:46	1.0	1	1:FE=210
299	met06_master	SAMPLE	464665-017	Soil	291768	06/25/22 03:49	1.0	1	2:FE=190
300	met06_master	SAMPLE	464665-018	Soil	291768	06/25/22 03:53	1.0	1	1:FE=180
301	met06_master	SAMPLE	464665-019	Soil	291768	06/25/22 03:56	1.0	1	1:FE=210
302	met06_master	SAMPLE	464665-020	Soil	291768	06/25/22 03:59	1.0	1	1:FE=170
303	met06_master	SAMPLE	464665-021	Soil	291768	06/25/22 04:02	1.0	1	1:FE=200
304	met06_master	SAMPLE	464665-022	Soil	291768	06/25/22 04:06	1.0	1	1:FE=190
305	met06_master	SAMPLE	464665-023	Soil	291768	06/25/22 04:09	1.0	1	1:FE=170
306	met06_master	SAMPLE	464665-024	Soil	291768	06/25/22 04:12	1.0	1	1:FE=210
307	met06_master	SAMPLE	464670-004	Soil	291768	06/25/22 04:15	1.0	1	2:FE=190
308	met06_master	CCV				06/25/22 04:19	1.0	10 1	
309	met06_master	CCB				06/25/22 04:22	1.0	1	
310	met06_master	SAMPLE	464674-004	Soil	291768	06/25/22 04:25	1.0	1	1:TI=11
311	met06_master	SAMPLE	464674-009	Soil	291768	06/25/22 04:28	1.0	1	2:FE=160
312	met06_master	SAMPLE	464674-014	Soil	291768	06/25/22 04:32	1.0	1	1:TI=12

Enthalpy Sequence Summary for Sequence 482252582

Instrument : MET06 Begun : 06/24/22 09:42
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
313	met06_master	SAMPLE	464674-019	Soil	291768	06/25/22 04:35	1.0	1	
314	met06_master	SAMPLE	464674-024	Soil	291768	06/25/22 04:38	1.0	1	
315	met06_master	SAMPLE	464674-029	Soil	291768	06/25/22 04:41	1.0	1	1:TI=11
316	met06_master	BLANK	QC996651	Soil	291769	06/25/22 04:45	1.0	1	
317	met06_master	LCS	QC996652	Soil	291769	06/25/22 04:48	1.0	1	
318	met06_master	MSS	464735-001	Soil	291769	06/25/22 04:51	1.0	1	3:FEASFE2O3=270
319	met06_master	MS	QC996653	Soil	291769	06/25/22 04:54	1.0	1	3:ALASAL2O3=300
320	met06_master	CCV				06/25/22 04:58	1.0	10 1	
321	met06_master	CCB				06/25/22 05:01	1.0	1	
322	met06_master	SAMPLE	463774-036	Soil	291606	06/25/22 05:04	1.0	1	1:FE=180
323	met06_master	SAMPLE	463774-037	Soil	291606	06/25/22 05:07	1.0	1	1:FE=190
324	met06_master	SAMPLE	463774-039	Soil	291606	06/25/22 05:11	1.0	1	
325	met06_master	SAMPLE	463774-042	Soil	291606	06/25/22 05:14	1.0	1	1:FE=200
326	met06_master	SAMPLE	463774-043	Soil	291606	06/25/22 05:17	1.0	1	
327	met06_master	SAMPLE	463774-048	Soil	291606	06/25/22 05:20	1.0	1	1:FE=170
328	met06_master	SAMPLE	463774-049	Soil	291606	06/25/22 05:24	1.0	1	1:FE=200
329	met06_master	SAMPLE	463774-052	Soil	291606	06/25/22 05:27	1.0	1	
330	met06_master	BLANK	QC996204	Soil	291608	06/25/22 05:30	1.0	1	
331	met06_master	LCS	QC996205	Soil	291608	06/25/22 05:33	1.0	1	
332	met06_master	CCV				06/25/22 05:37	1.0	10 1	
333	met06_master	CCB				06/25/22 05:40	1.0	1	
334	met06_master	SAMPLE	464292-001	Soil	291608	06/25/22 05:43	1.0	1	
335	met06_master	SAMPLE	464427-002	Soil	291608	06/25/22 05:46	1.0	1	2:FE=240
336	met06_master	MSS	464581-006	Soil	291608	06/25/22 05:50	1.0	1	3:ALASAL2O3=260
337	met06_master	MS	QC996206	Soil	291608	06/25/22 05:53	1.0	1	4:ALASAL2O3=300
338	met06_master	MSD	QC996207	Soil	291608	06/25/22 05:56	1.0	1	4:ALASAL2O3=310
339	met06_master	PDS	QC996208	Soil	291608	06/25/22 05:59	1.0	1	1:FE=170
340	met06_master	SAMPLE	464581-008	Soil	291608	06/25/22 06:03	1.0	1	1:FE=220
341	met06_master	BLANK	QC996947	Miscell.	291867	06/25/22 06:06	1.0	1	
342	met06_master	BS	QC996949	Miscell.	291867	06/25/22 06:09	1.0	1	
343	met06_master	BSD	QC996950	Miscell.	291867	06/25/22 06:12	1.0	1	
344	met06_master	CCV				06/25/22 06:16	1.0	10 1	
345	met06_master	CCB				06/25/22 06:19	1.0	1	
346	met06_master	SAMPLE	464162-001	Miscell.	291867	06/25/22 06:22	1.0	1	1:P=68
347	met06_master	SAMPLE	464162-002	Miscell.	291867	06/25/22 06:25	1.0	1	1:P=77
348	met06_master	SAMPLE	464765-001	Miscell.	291867	06/25/22 06:29	1.0	1	
349	met06_master	BLANK	QC996666	Soil	291772	06/25/22 06:32	1.0	1	
350	met06_master	LCS	QC996667	Soil	291772	06/25/22 06:35	1.0	1	
351	met06_master	SAMPLE	464436-005	Soil	291772	06/25/22 06:38	1.0	1	3:CA=1100
352	met06_master	SAMPLE	464438-005	Soil	291772	06/25/22 06:42	1.0	1	
353	met06_master	MSS	464735-061	Soil	291772	06/25/22 06:45	1.0	1	3:FEASFE2O3=240
354	met06_master	MS	QC996668	Soil	291772	06/25/22 06:48	1.0	1	3:FEASFE2O3=280
355	met06_master	MSD	QC996669	Soil	291772	06/25/22 06:51	1.0	1	3:ALASAL2O3=300
356	met06_master	CCV				06/25/22 06:55	1.0	10 1	
357	met06_master	CCB				06/25/22 06:58	1.0	1	
358	met06_master	PDS	QC996670	Soil	291772	06/25/22 07:01	1.0	1	1:FE=160
359	met06_master	SAMPLE	464735-062	Soil	291772	06/25/22 07:04	1.0	1	1:FE=210
360	met06_master	SAMPLE	464735-063	Soil	291772	06/25/22 07:08	1.0	1	1:FE=200
361	met06_master	SAMPLE	464735-064	Soil	291772	06/25/22 07:11	1.0	1	1:FE=210
362	met06_master	SAMPLE	464735-065	Soil	291772	06/25/22 07:14	1.0	1	1:FE=210
363	met06_master	SAMPLE	464735-066	Soil	291772	06/25/22 07:17	1.0	1	1:FE=230
364	met06_master	SAMPLE	464735-067	Soil	291772	06/25/22 07:21	1.0	1	1:FE=190

Enthalpy Sequence Summary for Sequence 482252582

Instrument : MET06 Begun : 06/24/22 09:42
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
365	met06_master	BLANK	QC996656	Soil	291770	06/25/22 07:24	1.0	1	
366	met06_master	LCS	QC996657	Soil	291770	06/25/22 07:27	1.0	1	
367	met06_master	MSS	464735-021	Soil	291770	06/25/22 07:30	1.0	1	3:FEASFE2O3=300
368	met06_master	CCV				06/25/22 07:34	1.0	10 1	
369	met06_master	CCB				06/25/22 07:37	1.0	1	
370	met06_master	MS	QC996658	Soil	291770	06/25/22 07:40	1.0	1	3:ALASAL2O3=370
371	met06_master	MSD	QC996659	Soil	291770	06/25/22 07:43	1.0	1	3:ALASAL2O3=400
372	met06_master	PDS	QC996660	Soil	291770	06/25/22 07:47	1.0	1	1:FE=210
373	met06_master	SAMPLE	464735-022	Soil	291770	06/25/22 07:50	1.0	1	2:FE=230
374	met06_master	SAMPLE	464735-023	Soil	291770	06/25/22 07:53	1.0	1	1:FE=200
375	met06_master	SAMPLE	464735-024	Soil	291770	06/25/22 07:56	1.0	1	1:FE=190
376	met06_master	SAMPLE	464735-025	Soil	291770	06/25/22 08:00	1.0	1	1:FE=230
377	met06_master	SAMPLE	464735-026	Soil	291770	06/25/22 08:03	1.0	1	1:FE=210
378	met06_master	SAMPLE	464735-027	Soil	291770	06/25/22 08:06	1.0	1	1:FE=230
379	met06_master	SAMPLE	464735-028	Soil	291770	06/25/22 08:09	1.0	1	1:FE=200
380	met06_master	CCV				06/25/22 08:13	1.0	10 1	
381	met06_master	CCB				06/25/22 08:16	1.0	1	
382	met06_master	SAMPLE	464735-029	Soil	291770	06/25/22 08:19	1.0	1	1:FE=240
383	met06_master	SAMPLE	464735-030	Soil	291770	06/25/22 08:22	1.0	1	2:FE=190
384	met06_master	SAMPLE	464735-031	Soil	291770	06/25/22 08:26	1.0	1	1:FE=200
385	met06_master	SAMPLE	464735-032	Soil	291770	06/25/22 08:29	1.0	1	1:FE=250
386	met06_master	SAMPLE	464735-033	Soil	291770	06/25/22 08:32	1.0	1	1:FE=220
387	met06_master	SAMPLE	464735-034	Soil	291770	06/25/22 08:35	1.0	1	1:FE=240
388	met06_master	SAMPLE	464735-035	Soil	291770	06/25/22 08:39	1.0	1	1:FE=210
389	met06_master	SAMPLE	464735-036	Soil	291770	06/25/22 08:42	1.0	1	1:FE=190
390	met06_master	SAMPLE	464735-037	Soil	291770	06/25/22 08:45	1.0	1	1:FE=250
391	met06_master	SAMPLE	464735-038	Soil	291770	06/25/22 08:48	1.0	1	1:FE=230
392	met06_master	CCV				06/25/22 08:52	1.0	10 1	
393	met06_master	CCB				06/25/22 08:55	1.0	1	
394	met06_master	SAMPLE	464735-039	Soil	291770	06/25/22 08:58	1.0	1	1:FE=210
395	met06_master	SAMPLE	464735-040	Soil	291770	06/25/22 09:01	1.0	1	1:FE=210
396	met06_master	BLANK	QC996661	Soil	291771	06/25/22 09:05	1.0	1	
397	met06_master	LCS	QC996662	Soil	291771	06/25/22 09:08	1.0	1	
398	met06_master	MSS	464735-041	Soil	291771	06/25/22 09:11	1.0	1	3:ALASAL2O3=330
399	met06_master	MS	QC996663	Soil	291771	06/25/22 09:15	1.0	1	3:ALASAL2O3=300
400	met06_master	MSD	QC996664	Soil	291771	06/25/22 09:18	1.0	1	3:ALASAL2O3=380
401	met06_master	PDS	QC996665	Soil	291771	06/25/22 09:21	1.0	1	1:FE=220
402	met06_master	SAMPLE	464735-042	Soil	291771	06/25/22 09:24	1.0	1	1:FE=190
403	met06_master	SAMPLE	464735-043	Soil	291771	06/25/22 09:28	1.0	1	1:FE=210
404	met06_master	CCV				06/25/22 09:31	1.0	10 1	
405	met06_master	CCB				06/25/22 09:34	1.0	1	
406	met06_master	SAMPLE	464735-044	Soil	291771	06/25/22 09:37	1.0	1	1:FE=180
407	met06_master	SAMPLE	464735-045	Soil	291771	06/25/22 09:41	1.0	1	1:FE=190
408	met06_master	SAMPLE	464735-046	Soil	291771	06/25/22 09:44	1.0	1	1:FE=280
409	met06_master	SAMPLE	464735-047	Soil	291771	06/25/22 09:47	1.0	1	1:FE=210
410	met06_master	SAMPLE	464735-048	Soil	291771	06/25/22 09:50	1.0	1	1:FE=230
411	met06_master	SAMPLE	464735-049	Soil	291771	06/25/22 09:54	1.0	1	1:FE=190
412	met06_master	SAMPLE	464735-050	Soil	291771	06/25/22 09:57	1.0	1	1:FE=210
413	met06_master	SAMPLE	464735-051	Soil	291771	06/25/22 10:00	1.0	1	1:FE=210
414	met06_master	SAMPLE	464735-052	Soil	291771	06/25/22 10:03	1.0	1	1:FE=210
415	met06_master	SAMPLE	464735-053	Soil	291771	06/25/22 10:07	1.0	1	1:FE=210
416	met06_master	CCV				06/25/22 10:10	1.0	10 1	

Enthalpy Sequence Summary for Sequence 482252582

Instrument : MET06 Begun : 06/24/22 09:42
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
417	met06_master	CCB				06/25/22 10:13	1.0	1	
418	met06_master	SAMPLE	464735-054	Soil	291771	06/25/22 10:16	1.0	1	1:FE=220
419	met06_master	SAMPLE	464735-055	Soil	291771	06/25/22 10:20	1.0	1	1:FE=200
420	met06_master	SAMPLE	464735-056	Soil	291771	06/25/22 10:23	1.0	1	1:FE=210
421	met06_master	SAMPLE	464735-057	Soil	291771	06/25/22 10:26	1.0	1	1:FE=190
422	met06_master	SAMPLE	464735-058	Soil	291771	06/25/22 10:29	1.0	1	1:FE=190
423	met06_master	SAMPLE	464735-059	Soil	291771	06/25/22 10:33	1.0	1	2:FE=310
424	met06_master	SAMPLE	464735-060	Soil	291771	06/25/22 10:36	1.0	1	1:FE=210
425	met06_master	BLANK	QC996888	WET Leachate	291852	06/25/22 10:39	1.0	1	
426	met06_master	BLANK	QC996889	WET Leachate	291852	06/25/22 10:42	1.0	1	
427	met06_master	BLANK	QC996890	WET Leachate	291852	06/25/22 10:46	1.0	1	
428	met06_master	CCV				06/25/22 10:49	1.0	10 1	
429	met06_master	CCB				06/25/22 10:52	1.0	1	
430	met06_master	BS	QC996891	WET Leachate	291852	06/25/22 10:56	1.0	1	
431	met06_master	BSD	QC996892	WET Leachate	291852	06/25/22 10:59	1.0	1	
432	met06_master	SAMPLE	464274-011	WET Leachate	291852	06/25/22 11:02	1.0	1	
433	met06_master	SAMPLE	464274-012	WET Leachate	291852	06/25/22 11:05	1.0	1	
434	met06_master	SAMPLE	464274-013	WET Leachate	291852	06/25/22 11:09	1.0	1	
435	met06_master	SAMPLE	464274-015	WET Leachate	291852	06/25/22 11:12	1.0	1	
436	met06_master	SAMPLE	464274-018	WET Leachate	291852	06/25/22 11:15	1.0	1	
437	met06_master	CCV				06/25/22 11:18	1.0	10 1	
438	met06_master	CCB				06/25/22 11:22	1.0	1	

SBW 06/27/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 438.

Standards used: 1=S13369 2=S16950 3=S16949 4=S16948 5=S16947 6=S16645 7=S16518 8=S16675 9=S16519 10=S16870 11=S16646 12=S16520 13=S16601

Enthalpy Internal Standard Summary for Sequence 482252582

Date : 06/24/22 Reference : met06_master
Sequence : MET06 06/24/22 Analyzed : 06/24/22 09:46

#	Type	Sample ID	Y H	Y A	Y R
		ICALBLK STD	33514014	1559261	337694
		LOWER LIMIT	10054204	467778	101308
		UPPER LIMIT	67028028	3118522	675388
013	ICB		34287243	1634576	346227
014	ICSA		28952697	1392676	315474
015	ICSAB		29272124	1400842	316127
016	BLANK	QC996376	34513198	1647304	344814
017	BLANK	QC996714	34849281	1639537	342120
018	LCS	QC996715	30459607	1475555	324331
019	SAMPLE	464701-001	34385799	1659474	344675
020	MSS	464716-001	31572286	1531574	331253
021	MS	QC996716	29498576	1441594	323096
022	MSD	QC996717	29510595	1445426	322769
023	SAMPLE	464274-022	35457865	1699324	349645
024	CCV		30553752	1488692	323769
025	CCB		34424779	1663017	343378
026	SAMPLE	464701-001	32663888	1537126	353676
027	BLANK	QC996199	33671520	1572690	349201
028	LCS	QC996200	33206972	1568769	343887
029	SAMPLE	463774-053	32239883	1551777	340692
030	MSS	464274-009	31782731	1540481	337457
031	MS	QC996201	31766460	1551466	339322
032	MSD	QC996202	31669979	1559793	337210
034	SAMPLE	464406-001	32123166	1979095	333353
035	SAMPLE	464407-001	33019405	1612631	337213
036	CCV		31092408	1531842	328634
037	CCB		35034946	1719214	347275
038	SAMPLE	464427-001	31828160	1552946	330612
039	SAMPLE	464475-005	32985722	1609836	337999
040	SAMPLE	464530-001	30320893	1503057	323299
041	SAMPLE	464530-002	29741928	1478250	319856
042	SAMPLE	464530-003	32078787	1593317	330757
043	SAMPLE	464543-001	32328843	1593784	335201
044	SAMPLE	464543-002	33190735	1634394	339841
045	SAMPLE	464543-004	32811764	1624827	338114
046	SAMPLE	464543-005	32954602	1640186	336954
047	SAMPLE	464543-007	32998373	1645664	336773
048	CCV		31753807	1595758	329138
049	CCB		35548801	1780084	349937
050	SAMPLE	464543-008	33710044	1684341	342053
051	SAMPLE	464543-010	33877296	1698583	344164
052	SAMPLE	464543-011	33623330	1684409	339980
053	SAMPLE	464543-012	33880622	1709371	342676
054	SAMPLE	464543-015	33272936	1677750	337417
055	SAMPLE	464059-001	36460303	1837206	355161
056	CCV		31774615	1609884	327073
057	CCB		35433432	1803048	347777
058	BLANK	QC996810	34762106	1691764	339451
059	LCS	QC996811	33172619	1651270	333100
060	MSS	464684-003	33727035	1664503	334113
062	MSD	QC996813	32812562	1645299	330049

Enthalpy Internal Standard Summary for Sequence 482252582

Date : 06/24/22 Reference : met06_master
Sequence : MET06 06/24/22 Analyzed : 06/24/22 09:46

#	Type	Sample ID	Y H	Y A	Y R
063	SAMPLE	464723-002	31875657	1603460	327266
064	SAMPLE	464747-001	31151861	1571568	325773
065	SAMPLE	464763-001	29650615	1518188	315584
066	SAMPLE	464764-001	26008749	1401281	304587
067	SAMPLE	464764-002	24384841	1335442	296635
068	CCV		31632573	1622389	333183
069	CCB		36589497	1857469	355210
070	SAMPLE	464764-003	23455771	1310645	292629
071	BLANK	QC996852	29463362	1593408	323259
072	LCS	QC996853	29389656	1592741	321875
073	MSS	464186-060	29508700	1563796	323068
074	MS	QC996854	29478247	1574357	320817
075	MSD	QC996855	29167355	1550473	320473
076	BS	QC996840	33376772	1689530	329978
077	BSD	QC996841	33332815	1671503	329510
078	CCV		32542114	1660409	331232
079	CCB		36297173	1848203	347822
080	SAMPLE	464737-001	34111970	1703465	334855
081	SAMPLE	464737-003	34359022	1712189	334057
082	SAMPLE	464737-005	34529623	1716420	333176
083	BLANK	QC994465	36731130	1841772	351413
084	LCS	QC994466	34928085	1785465	345707
085	MSS	464073-001	33383663	1741515	337586
086	MS	QC994467	32791341	1725449	337349
087	CCV		31857922	1655104	328960
088	CCB		35877043	1839997	347170
089	BLANK	QC996916	33950761	1767802	351912
090	BLANK	QC996919	33211447	1720604	334493
091	BS	QC996917	33157181	1722111	336820
092	BSD	QC996918	33270904	1716749	335894
093	SAMPLE	462959-007	33271435	1720046	337653
094	SAMPLE	462959-008	33249424	1721220	334515
095	SAMPLE	462959-009	33243290	1719263	337346
096	SAMPLE	462959-010	33447754	1743166	336002
097	SAMPLE	462959-014	33267299	1736231	336301
099	CCV		32224196	1669855	332833
100	CCB		36439293	1875294	350448
101	BLANK	QC996852	29572651	1586471	321113
102	SAMPLE	464186-019	29273125	1574519	322965
103	LCS	QC996399	34630478	1779830	341335
104	MSS	464619-001	31527968	1676008	334242
105	MS	QC996400	31217196	1664251	330235
106	MSD	QC996401	31287734	1659223	331067
107	SAMPLE	464641-001	30643967	1639701	324732
108	SAMPLE	464646-002	22003821	1198355	284107
109	MS	QC996812	32916906	1693114	330075
110	CCV		32573309	1683226	331091
111	CCB		36166315	1859703	349813
112	SAMPLE	462959-015	33135869	1724971	335235
113	SAMPLE	462959-016	33130289	1731648	336650
114	SAMPLE	462959-017	33332325	1754954	337445
115	BLANK	QC996839	33810366	1741025	331676

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Date : 06/24/22 Reference : met06_master
Sequence : MET06 06/24/22 Analyzed : 06/24/22 09:46

#	Type	Sample ID	Y H	Y A	Y R
116	SAMPLE	462959-018	33860958	1771691	337304
117	SAMPLE	462959-020	33438063	1761208	337722
118	SAMPLE	463034-001	33302986	1753347	333114
119	SAMPLE	463034-003	33341437	1758075	335255
120	SAMPLE	463034-005	33443513	1754298	334483
121	CCV		32564981	1692641	332351
122	CCB		36539446	1876075	352715
123	SAMPLE	463034-006	33092643	1726110	334942
124	SAMPLE	463034-007	33266862	1740015	337427
125	SAMPLE	463034-011	33479026	1735315	335080
126	SAMPLE	463034-012	33255588	1726974	336468
127	SAMPLE	464543-014	33516925	1736485	337944
128	CCV		32018905	1658524	327960
129	CCB		36425926	1861549	349817
130	BLANK	QC996976	34207274	1754970	340930
131	BLANK	QC996977	33210410	1716326	334592
132	BS	QC996978	33421512	1722967	337770
133	BSD	QC996979	33431855	1722746	333992
134	SAMPLE	464274-004	33041697	1711340	337224
135	SAMPLE	464274-007	33203175	1708594	335134
137	BLANK	QC996920	29364772	1570251	321975
138	LCS	QC996921	29389826	1572034	321268
139	MSS	464274-004	29381566	1536215	319220
140	CCV		31954490	1634788	329238
141	CCB		36168942	1830942	349801
142	MS	QC996922	29002863	1532846	319777
143	MSD	QC996923	29117295	1534534	317697
144	SAMPLE	464274-022	28767598	1501840	315018
145	MSS	464349-001	35185578	1792158	345652
146	MS	QC997004	34883839	1773247	346180
147	MSD	QC997005	34401754	1760006	344028
148	SAMPLE	464349-002	34569378	1758610	346017
149	SAMPLE	464349-003	34463411	1750570	345840
150	SAMPLE	464349-004	34349088	1750477	345807
151	SAMPLE	464349-005	34201218	1744512	343982
152	CCV		31337989	1576827	323791
153	CCB		35711668	1782485	345886
154	SAMPLE	464349-006	34434899	1738944	343401
155	SAMPLE	464349-007	34182221	1730763	343086
156	SAMPLE	464349-008	34120150	1728092	343101
157	SAMPLE	464349-009	34119086	1729477	347418
158	SAMPLE	464349-010	34109895	1722356	341961
159	BLANK	QC996821	35514099	1753389	348051
160	LCS	QC996822	34223280	1701211	339985
161	SAMPLE	464654-001	32506678	1608181	325501
162	SAMPLE	464781-001	32454214	1626914	332780
163	MSS	464782-002	30997786	1699349	326735
164	CCV		31279846	1569476	324776
165	CCB		35931490	1780587	348376
166	MS	QC996823	30792634	1676287	325696
167	MSD	QC996824	30643364	1684121	323879
168	BLANK	QC996814	33689055	1657115	332824

Enthalpy Internal Standard Summary for Sequence 482252582

Date : 06/24/22 Reference : met06_master
Sequence : MET06 06/24/22 Analyzed : 06/24/22 09:46

#	Type	Sample ID	Y H	Y A	Y R
169	LCS	QC996815	32725661	1616787	326679
170	MSS	464765-002	24469040	1311616	301342
171	MS	QC996819	24398331	1310547	302181
172	MSD	QC996820	24559461	1315642	303699
173	BLANK	QC996825	34873056	1715927	335258
174	LCS	QC996826	33456117	1664436	330618
175	MSS	464778-001	33714268	1665770	334039
176	CCV		30537057	1527004	318285
177	CCB		35234272	1743566	342341
178	MS	QC996827	32970409	1619062	329043
179	MSD	QC996828	33061181	1619060	328960
180	SAMPLE	464782-001	30230839	1540208	326534
181	SAMPLE	464782-003	26571090	1406299	311566
182	BLANK	QC996911	33664283	1652246	337913
183	LCS	QC996912	33149836	1614762	333652
184	MSS	464254-001	32660797	1599598	330066
185	MS	QC996913	32385590	1588521	330147
186	MSD	QC996914	32557112	1593617	330437
188	CCV		30821822	1523573	323485
189	CCB		35362063	1712891	345371
190	SAMPLE	464254-002	32352645	1579952	331489
191	SAMPLE	464254-003	32452195	1591117	330790
192	SAMPLE	464254-004	31490297	1540317	324573
193	SAMPLE	464254-005	31221348	1546959	328579
194	BLANK	QC996928	32889022	1585097	328111
195	BS	QC996929	32560508	1567142	327312
196	BSD	QC996930	32728818	1580252	326591
197	SAMPLE	464779-001	32480780	1550264	327544
198	SAMPLE	464779-004	32477868	1549782	327630
199	SAMPLE	464779-005	32514284	1559374	327939
200	CCV		30982416	1510568	320648
201	CCB		35038961	1686625	342251
202	SAMPLE	464785-001	32021033	1525343	326332
203	SAMPLE	464785-003	32352901	1540415	326750
204	SAMPLE	464785-005	32387767	1550999	326707
205	BLANK	QC996194	33924333	1614942	334410
206	LCS	QC996195	32988595	1589579	332031
207	MSS	463774-003	32089571	1566686	329692
208	MS	QC996196	31688760	1549817	330382
209	MSD	QC996197	31612815	1553659	328955
211	SAMPLE	463774-004	32084250	1557008	328414
212	CCV		30456359	1485937	316516
213	CCB		34845400	1673357	341271
214	SAMPLE	463774-005	31750145	1548499	331397
215	SAMPLE	463774-006	32115675	1553527	326894
216	SAMPLE	463774-012	31443727	1531731	326606
217	SAMPLE	463774-013	31862673	1540062	323481
218	SAMPLE	463774-015	31718217	1525253	323088
219	SAMPLE	463774-021	31718345	1519615	323240
220	SAMPLE	463774-022	31673218	1527894	323044
221	SAMPLE	463774-024	31625123	1527648	324245
222	SAMPLE	463774-027	31726178	1538767	325326

Enthalpy Internal Standard Summary for Sequence 482252582

Date : 06/24/22 Reference : met06_master
Sequence : MET06 06/24/22 Analyzed : 06/24/22 09:46

#	Type	Sample ID	Y H	Y A	Y R
223	SAMPLE	463774-029	31945631	1554086	331668
224	CCV		30198682	1466989	317696
225	CCB		34602956	1661954	342104
226	SAMPLE	464335-001	32030516	1539846	327356
227	BLANK	QC996636	33006858	1554272	329349
228	LCS	QC996637	32193326	1527396	322817
229	SAMPLE	464266-001	29052593	1393619	310572
230	SAMPLE	464277-001	31463497	1506200	324480
231	SAMPLE	464324-001	27873689	1371465	305748
232	SAMPLE	464362-002	27071120	1312388	299646
233	SAMPLE	464362-003	32166099	1538447	324568
234	SAMPLE	464403-001	30485555	1453786	320078
235	SAMPLE	464403-002	30429291	1447715	318868
236	CCV		29959659	1449719	314032
237	CCB		34339938	1634817	336849
238	SAMPLE	464403-003	30301295	1456976	317986
239	SAMPLE	464403-004	30166683	1449122	317075
240	MSS	464413-001	31078267	1483077	320481
241	MS	QC996638	30295626	1464905	316183
242	MSD	QC996639	30516010	1471889	316493
244	SAMPLE	464413-002	29541025	1414107	311086
245	SAMPLE	464413-004	30493997	1456798	317016
246	SAMPLE	464413-005	31326754	1490244	320283
247	SAMPLE	464413-006	30568469	1478225	316815
248	CCV		29766804	1433460	312027
249	CCB		34068890	1616638	334801
250	SAMPLE	464421-001	29595581	1419744	314163
251	SAMPLE	464421-003	30804164	1474661	316029
252	SAMPLE	464421-005	31402750	1485183	316158
253	SAMPLE	464421-006	30667840	1453097	317798
254	SAMPLE	464421-011	30293277	1466281	316111
255	SAMPLE	464421-013	30612333	1458771	314723
256	BLANK	QC996641	32551937	1525762	321510
257	LCS	QC996642	31608886	1490908	316471
258	MSS	464506-001	29798197	1423753	314750
259	MS	QC996643	29811856	1418273	312372
260	CCV		29569185	1422505	311161
261	CCB		34024278	1617359	333391
262	MSD	QC996644	29585409	1412811	310687
264	SAMPLE	464508-001	30678248	1463450	315060
265	SAMPLE	464508-003	30339924	1439592	311026
266	SAMPLE	464509-001	29863772	1416440	311045
267	SAMPLE	464509-003	29845856	1414279	310602
268	SAMPLE	464528-001	29242691	1391463	308750
269	SAMPLE	464581-003	30486703	1461654	317511
270	SAMPLE	464606-001	32085049	1514115	319163
271	SAMPLE	464617-001	30278618	1445974	313195
272	CCV		29654898	1424444	307573
273	CCB		33948183	1598355	329603
274	SAMPLE	464665-001	30447269	1465789	315818
275	SAMPLE	464665-002	30553820	1464281	312649
276	SAMPLE	464665-003	30741817	1461974	315351

Enthalpy Internal Standard Summary for Sequence 482252582

Date : 06/24/22 Reference : met06_master
Sequence : MET06 06/24/22 Analyzed : 06/24/22 09:46

#	Type	Sample ID	Y H	Y A	Y R
277	SAMPLE	464665-004	31090653	1474649	317322
278	SAMPLE	464665-005	30905145	1475115	316561
279	SAMPLE	464665-006	31061815	1480890	317829
280	SAMPLE	464665-007	31109776	1479492	316270
281	SAMPLE	464665-008	31340961	1489084	318246
282	SAMPLE	464665-009	31031806	1487743	313708
283	SAMPLE	464665-010	31009629	1490782	317328
284	CCV		30074091	1443644	311168
285	CCB		34485459	1631353	334096
286	SAMPLE	464665-011	30864393	1481525	316271
287	BLANK	QC996646	32986130	1543370	321377
288	LCS	QC996647	32159142	1527109	317326
289	MSS	464665-012	31103543	1498752	316338
290	MS	QC996648	30844751	1493212	314247
291	MSD	QC996649	30703391	1487738	314740
293	SAMPLE	464665-013	31041461	1487724	315139
294	SAMPLE	464665-014	31135761	1492034	314035
295	SAMPLE	464665-015	31513285	1503202	313528
296	CCV		30137089	1461116	310751
297	CCB		34615651	1635514	332440
298	SAMPLE	464665-016	30804435	1484834	313093
299	SAMPLE	464665-017	31282960	1504298	315978
300	SAMPLE	464665-018	31456177	1508715	317502
301	SAMPLE	464665-019	31038882	1497934	312290
302	SAMPLE	464665-020	31487552	1516498	315720
303	SAMPLE	464665-021	31099075	1506155	312803
304	SAMPLE	464665-022	31104546	1510266	314349
305	SAMPLE	464665-023	31097208	1494554	310891
306	SAMPLE	464665-024	31136685	1496250	314453
307	SAMPLE	464670-004	30724549	1476445	313130
308	CCV		30070911	1461219	305630
309	CCB		34273082	1645811	328407
310	SAMPLE	464674-004	30851042	1490547	311572
311	SAMPLE	464674-009	31047912	1497397	312640
312	SAMPLE	464674-014	31360639	1506033	313382
313	SAMPLE	464674-019	31390075	1512760	312219
314	SAMPLE	464674-024	32792496	1574791	325731
315	SAMPLE	464674-029	31218548	1509878	312219
316	BLANK	QC996651	33169692	1557654	319134
317	LCS	QC996652	32296899	1536262	314691
318	MSS	464735-001	31211919	1497048	312021
319	MS	QC996653	30905333	1485273	309826
320	CCV		30101679	1452142	307147
321	CCB		34454939	1641407	328371
322	SAMPLE	463774-036	30976339	1491549	310722
323	SAMPLE	463774-037	32847678	1565489	323465
324	SAMPLE	463774-039	31926581	1528952	316374
325	SAMPLE	463774-042	31714338	1521580	315155
326	SAMPLE	463774-043	31476020	1519215	313068
327	SAMPLE	463774-048	31897887	1535526	311509
328	SAMPLE	463774-049	31736379	1532787	315806
329	SAMPLE	463774-052	31368372	1510741	309484

Enthalpy Internal Standard Summary for Sequence 482252582

Date : 06/24/22 Reference : met06_master
Sequence : MET06 06/24/22 Analyzed : 06/24/22 09:46

#	Type	Sample ID	Y H	Y A	Y R
330	BLANK	QC996204	33193389	1567119	319044
331	LCS	QC996205	32418383	1539062	314731
332	CCV		30213406	1454275	305871
333	CCB		34340012	1645302	328687
334	SAMPLE	464292-001	32718928	1557614	321367
335	SAMPLE	464427-002	31084173	1489326	311856
336	MSS	464581-006	31256550	1492055	312373
337	MS	QC996206	30991198	1490647	310901
338	MSD	QC996207	30910219	1490713	308859
340	SAMPLE	464581-008	30859542	1491562	310283
341	BLANK	QC996947	32574644	1518711	311158
342	BS	QC996949	31013622	1473624	304937
343	BSD	QC996950	30986495	1476920	304900
344	CCV		30160776	1461300	302755
345	CCB		34466445	1651832	324453
346	SAMPLE	464162-001	31333131	1495508	309306
347	SAMPLE	464162-002	31737160	1513400	310988
348	SAMPLE	464765-001	30785032	1477433	304150
349	BLANK	QC996666	33880846	1590958	322554
350	LCS	QC996667	32608167	1545617	314468
351	SAMPLE	464436-005	28688651	1385668	298324
352	SAMPLE	464438-005	33004841	1568271	317807
353	MSS	464735-061	31087004	1497444	312016
354	MS	QC996668	30733673	1484570	307002
355	MSD	QC996669	30724096	1483960	308133
356	CCV		30183203	1452085	300669
357	CCB		34014740	1631317	323011
359	SAMPLE	464735-062	30617224	1478738	302198
360	SAMPLE	464735-063	30962533	1491637	305523
361	SAMPLE	464735-064	30636908	1467571	303618
362	SAMPLE	464735-065	30554485	1476474	302670
363	SAMPLE	464735-066	30538341	1466448	301599
364	SAMPLE	464735-067	30595587	1459657	303256
365	BLANK	QC996656	32294640	1511937	308096
366	LCS	QC996657	31788981	1486039	303415
367	MSS	464735-021	30575515	1464049	302538
368	CCV		29178728	1399774	293929
369	CCB		33305670	1574592	314550
370	MS	QC996658	29768328	1424274	297908
371	MSD	QC996659	29727746	1433399	298925
373	SAMPLE	464735-022	30453154	1454453	304914
374	SAMPLE	464735-023	30573785	1461981	303397
375	SAMPLE	464735-024	30165777	1431783	300428
376	SAMPLE	464735-025	30368698	1449204	302392
377	SAMPLE	464735-026	30422372	1450724	299614
378	SAMPLE	464735-027	30187613	1441969	298686
379	SAMPLE	464735-028	30218256	1445744	299333
380	CCV		29259392	1396706	291997
381	CCB		33286600	1577548	315088
382	SAMPLE	464735-029	30277530	1443282	301867
383	SAMPLE	464735-030	30762765	1464250	302108
384	SAMPLE	464735-031	30403815	1459205	299264

Enthalpy Internal Standard Summary for Sequence 482252582

Date : 06/24/22 Reference : met06_master
Sequence : MET06 06/24/22 Analyzed : 06/24/22 09:46

#	Type	Sample ID	Y H	Y A	Y R
385	SAMPLE	464735-032	30185412	1451438	299507
386	SAMPLE	464735-033	30270191	1448901	299966
387	SAMPLE	464735-034	30453395	1458323	303085
388	SAMPLE	464735-035	30498258	1458343	302436
389	SAMPLE	464735-036	30568800	1452171	298409
390	SAMPLE	464735-037	30148437	1449048	298733
391	SAMPLE	464735-038	30215021	1447012	299558
392	CCV		29315331	1400011	293447
393	CCB		33403996	1575540	313823
394	SAMPLE	464735-039	30106729	1444078	296577
395	SAMPLE	464735-040	30325107	1447648	301220
396	BLANK	QC996661	32700951	1518252	308135
397	LCS	QC996662	31666016	1492995	303725
398	MSS	464735-041	30828186	1472583	302322
399	MS	QC996663	30513828	1446019	296760
400	MSD	QC996664	30433904	1463129	298388
402	SAMPLE	464735-042	30429561	1465665	298745
403	SAMPLE	464735-043	30407418	1455095	298631
404	CCV		29559932	1408189	290405
405	CCB		32346982	1578517	311440
406	SAMPLE	464735-044	30173824	1439830	297507
407	SAMPLE	464735-045	30316481	1446711	297211
408	SAMPLE	464735-046	30087583	1444204	295510
409	SAMPLE	464735-047	29973216	1435078	295833
410	SAMPLE	464735-048	30226417	1438492	296131
411	SAMPLE	464735-049	30573094	1463379	298032
412	SAMPLE	464735-050	30414549	1451966	297659
413	SAMPLE	464735-051	30361777	1461074	296850
414	SAMPLE	464735-052	30134933	1447495	294922
415	SAMPLE	464735-053	30242412	1440879	294849
416	CCV		29459607	1402353	291880
417	CCB		32275744	1573407	310960
418	SAMPLE	464735-054	30093008	1442097	297483
419	SAMPLE	464735-055	30537288	1452461	297060
420	SAMPLE	464735-056	30412427	1453953	296377
421	SAMPLE	464735-057	30415414	1440377	294219
422	SAMPLE	464735-058	30601959	1458556	296112
423	SAMPLE	464735-059	30583826	1464257	294784
424	SAMPLE	464735-060	30429820	1452007	293362
425	BLANK	QC996888	30787037	1476761	295981
426	BLANK	QC996889	30688555	1479268	296119
427	BLANK	QC996890	31243787	1489532	295339
428	CCV		29445684	1412202	288992
429	CCB		32369133	1591220	307374
430	BS	QC996891	30830323	1475564	293347
431	BSD	QC996892	30785320	1479495	295562
432	SAMPLE	464274-011	30844008	1477294	292287
433	SAMPLE	464274-012	30800037	1475157	292445
434	SAMPLE	464274-013	31044660	1494146	293239
435	SAMPLE	464274-015	31420517	1504721	294363
436	SAMPLE	464274-018	31387530	1499813	294461
437	CCV		29770231	1431540	288233

Enthalpy Internal Standard Summary for Sequence 482252582

Date : 06/24/22 Reference : met06_master
Sequence : MET06 06/24/22 Analyzed : 06/24/22 09:46

#	Type	Sample ID	Y H	Y A	Y R
438	CCB		32443888	1600398	308291

ENTHALPY INITIAL CALIBRATION FOR 464785 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	482252582001	Date:	24-JUN-2022 09:46
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master	482252582003	L1	24-JUN-2022 09:49	S16950, S13369 (100X)
L2	met06_master	482252582004	L2	24-JUN-2022 09:52	S16949, S13369 (100X)
L3	met06_master	482252582005	L3	24-JUN-2022 09:55	S16948, S13369 (100X)
L4	met06_master	482252582006	L4	24-JUN-2022 09:59	S16947, S13369 (100X)

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	0.0290	0.0337	0.0339	0.0320	WB1K	5.85E-4	31.2250		0.0322	1.000		5	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
WB1K: Linear regression with ICALBLK weighting factor of 1000

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D
Lead	A	0.0033	8	0.1000	6	1.0000	6	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 464785 METALS Wipe
EPA 6010B

Inst : MET06
Calnum : 482252582001 Cal Date : 24-JUN-2022

ICV 482252582011 (24-JUN-2022) stds: S16870, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	0.9799	mg/l	-2	

ENTHALPY INSTRUMENT BLANK FOR 464785 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482252582013 File : met06_master Time : 24-JUN-2022 10:35
Cal : 482252582001 Caldate : 24-JUN-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33514014	34287243	2.31
Yttrium	A	1559261	1634576	4.83
Yttrium	R	337694	346227	2.53

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 464785 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482252582014 File : met06_master Time : 24-JUN-2022 10:38
Cal : 482252582001 Caldate : 24-JUN-2022
Standards: S16520, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.01468]	0.003333	mg/l	a- ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	145.3	mg/l	91	
Aluminum	R	400.0	368.7	mg/l	92	
Calcium	R	400.0	390.1	mg/l	98	
Magnesium	R	400.0	408.6	mg/l	102	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33514014	28952697	-13.61
Yttrium	A	1559261	1392676	-10.68
Yttrium	R	337694	315474	-6.58

-=low bias a=ICSA

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 464785 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482252582015 File : met06_master Time : 24-JUN-2022 10:42
Cal : 482252582001 Caldate : 24-JUN-2022
Standards: S16601, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	0.9614	mg/l	-4	20	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33514014	29272124	-12.66
Yttrium	A	1559261	1400842	-10.16
Yttrium	R	337694	316127	-6.39

ENTHALPY CONTINUING CALIBRATION FOR 464785 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482252582188 File : met06_master Time : 24-JUN-2022 21:42
Cal : 482252582001 Caldate : 24-JUN-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0322	0.0322	1.000	1.006	mg/l	1	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33514014	30821822	-8.03
Yttrium	A	1559261	1523573	-2.29
Yttrium	R	337694	323485	-4.21

ENTHALPY INSTRUMENT BLANK FOR 464785 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482252582189 File : met06_master Time : 24-JUN-2022 21:45
Cal : 482252582001 Caldate : 24-JUN-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33514014	35362063	5.51
Yttrium	A	1559261	1712891	9.85
Yttrium	R	337694	345371	2.27

ENTHALPY CONTINUING CALIBRATION FOR 464785 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482252582200 File : met06_master Time : 24-JUN-2022 22:21
Cal : 482252582001 Caldate : 24-JUN-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0322	0.0323	1.000	1.008	mg/l	1	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33514014	30982416	-7.55
Yttrium	A	1559261	1510568	-3.12
Yttrium	R	337694	320648	-5.05

ENTHALPY INSTRUMENT BLANK FOR 464785 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482252582201 File : met06_master Time : 24-JUN-2022 22:24
Cal : 482252582001 Caldate : 24-JUN-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33514014	35038961	4.55
Yttrium	A	1559261	1686625	8.17
Yttrium	R	337694	342251	1.35

ENTHALPY CONTINUING CALIBRATION FOR 464785 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482252582212 File : met06_master Time : 24-JUN-2022 23:00
Cal : 482252582001 Caldate : 24-JUN-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0322	0.0320	1.000	1.001	mg/l	0	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33514014	30456359	-9.12
Yttrium	A	1559261	1485937	-4.70
Yttrium	R	337694	316516	-6.27

ENTHALPY INSTRUMENT BLANK FOR 464785 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482252582213 File : met06_master Time : 24-JUN-2022 23:03
Cal : 482252582001 Caldate : 24-JUN-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33514014	34845400	3.97
Yttrium	A	1559261	1673357	7.32
Yttrium	R	337694	341271	1.06

SAMPLE PREPARATION SUMMARY

Batch # : 291864 Analysis : ICP
Started By : DLS Prep Date : 24-JUN-2022 14:50 Finished By : DLS
Method : 3050B Units : ft2
Spike #1 ID : S16855 Spike #2 ID : S16906

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
464779-001		Wipe	1	100	1	100.0						6010	
464779-004		Wipe	1	100	1	100.0						6010	
464779-005		Wipe	1	100	1	100.0						6010	
464785-001		Wipe	1.0276	100	1	97.31						6010	
464785-003		Wipe	1.0276	100	1	97.31						6010	
464785-005		Wipe	1	100	1	100.0						6010	
QC996928	BLANK	Wipe	1	100	1	100.0						ICP	
QC996929	BS	Wipe	1	100	1	100.0		1	1			ICP	
QC996930	BSD	Wipe	1	100	1	100.0		1	1			ICP	

Analyst: KLN Date: 06/26/22 Reviewer: SLL Date: 06/27/22

ICP Prep Log

Initials: BR Prep Method: 3050B / 3010A / 200.7 / STLC QC Batch #: 291864 Thermometer ID: 918625

Prep Start, Date/Time: 6/21/22 14:50 Prep End, Date/Time: 6/21/22 16:15 HotBlock Temperature, °C: 95

HotBlock ID: 3

Sample ID	Bottle #	Sample pH (Water Only)	Sample Appearance	Initial Vol. or Weight (mL or g)	Bal. ID	Final Vol (mL)	Digestion Tube Lot#	Comment
Blank	-----	-----	—	1	NA	100	MD0150000027	
LCS	-----	-----	—	1				
LCSD	—	—	—	1				
464779-1	A	NA	wipe	1 wipe				
-4	~~A~~							
-5	A							
464785-1	~~A~~							
-3	A							
-5	~~A~~							

6/21/22

6/21/22

Hydrochloric Acid ID: 10mL - 21290204

Nitric Acid ID: 10mL - 20220131336

H_2O_2 ID: 3mL - 216661

LCS Spike ID: 1mL - 516855/516906

MS/MSD Spike ID: NA

ICP Raw Data

Enthalpy Sequence Summary for Sequence 482252582

Instrument : MET06 Begun : 06/24/22 09:42
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master	ICALBLK	CALBLANK			06/24/22 09:42	1.0	1	
002	met06_master	ICALBLK	CALBLANK			06/24/22 09:46	1.0	1	
003	met06_master	ICAL	L1			06/24/22 09:49	1.0	2 1	
004	met06_master	ICAL	L2			06/24/22 09:52	1.0	3 1	
005	met06_master	ICAL	L3			06/24/22 09:55	1.0	4 1	
006	met06_master	ICAL	L4			06/24/22 09:59	1.0	5 1	
007	met06_master	ICAL	L5			06/24/22 10:02	1.0	6 1	
008	met06_master	ICAL	L6			06/24/22 10:05	1.0	7 1	
009	met06_master	ICAL	L7			06/24/22 10:09	1.0	8 1	
010	met06_master	ICAL	L8			06/24/22 10:12	1.0	9 1	
011	met06_master	ICV				06/24/22 10:15	1.0	10 1	
012	met06_master	CRI				06/24/22 10:32	1.0	11 1	
013	met06_master	ICB				06/24/22 10:35	1.0	1	
014	met06_master	ICSA				06/24/22 10:38	1.0	12 1	4:MGASMGCO3=1400
015	met06_master	ICSAB				06/24/22 10:42	1.0	13 1	4:MGASMGCO3=1400
016	met06_master	BLANK	QC996376	Drinking Water	291675	06/24/22 10:45	1.0	1	
017	met06_master	BLANK	QC996714	Water	291785	06/24/22 10:57	1.0	1	
018	met06_master	LCS	QC996715	Water	291785	06/24/22 11:01	1.0	1	
019	met06_master	SAMPLE	464701-001	Water	291785	06/24/22 11:04	50.0	1	
020	met06_master	MSS	464716-001	Water	291785	06/24/22 11:07	1.0	1	1:SULFUR=110
021	met06_master	MS	QC996716	Water	291785	06/24/22 11:10	1.0	1	2:MGASMGCO3=740
022	met06_master	MSD	QC996717	Water	291785	06/24/22 11:14	1.0	1	2:MGASMGCO3=730
023	met06_master	SAMPLE	464274-022	Soil	291711	06/24/22 11:17	25.0	1	
024	met06_master	CCV				06/24/22 11:20	1.0	10 1	
025	met06_master	CCB				06/24/22 11:23	1.0	1	
026	met06_master	SAMPLE	464701-001	Water	291785	06/24/22 11:40	50.0	1	
027	met06_master	BLANK	QC996199	Soil	291607	06/24/22 11:46	1.0	1	
028	met06_master	LCS	QC996200	Soil	291607	06/24/22 11:49	1.0	1	
029	met06_master	SAMPLE	463774-053	Soil	291607	06/24/22 11:52	1.0	1	
030	met06_master	MSS	464274-009	Soil	291607	06/24/22 11:55	1.0	1	4:ALASAL2O3=410
031	met06_master	MS	QC996201	Soil	291607	06/24/22 11:59	1.0	1	4:ALASAL2O3=450
032	met06_master	MSD	QC996202	Soil	291607	06/24/22 12:02	1.0	1	4:ALASAL2O3=530
033	met06_master	PDS	QC996203	Soil	291607	06/24/22 12:05	1.0	1	2:FE=210
034	met06_master	SAMPLE	464406-001	Miscell.	291607	06/24/22 12:08	1.0	1	4:CU=150
035	met06_master	SAMPLE	464407-001	Soil	291607	06/24/22 12:12	1.0	1	
036	met06_master	CCV				06/24/22 12:15	1.0	10 1	
037	met06_master	CCB				06/24/22 12:18	1.0	1	
038	met06_master	SAMPLE	464427-001	Soil	291607	06/24/22 12:21	1.0	1	1:FE=200
039	met06_master	SAMPLE	464475-005	Soil	291607	06/24/22 12:25	1.0	1	1:FE=180
040	met06_master	SAMPLE	464530-001	Soil	291607	06/24/22 12:28	1.0	1	1:FE=330
041	met06_master	SAMPLE	464530-002	Soil	291607	06/24/22 12:31	1.0	1	2:MG=1200
042	met06_master	SAMPLE	464530-003	Soil	291607	06/24/22 12:35	1.0	1	1:FE=240
043	met06_master	SAMPLE	464543-001	Soil	291607	06/24/22 12:38	1.0	1	1:FE=200
044	met06_master	SAMPLE	464543-002	Soil	291607	06/24/22 12:41	1.0	1	1:FE=180
045	met06_master	SAMPLE	464543-004	Soil	291607	06/24/22 12:44	1.0	1	1:FE=190
046	met06_master	SAMPLE	464543-005	Soil	291607	06/24/22 12:48	1.0	1	1:FE=230
047	met06_master	SAMPLE	464543-007	Soil	291607	06/24/22 12:51	1.0	1	1:FE=170
048	met06_master	CCV				06/24/22 12:54	1.0	10 1	
049	met06_master	CCB				06/24/22 12:57	1.0	1	
050	met06_master	SAMPLE	464543-008	Soil	291607	06/24/22 13:01	1.0	1	1:FE=160
051	met06_master	SAMPLE	464543-010	Soil	291607	06/24/22 13:04	1.0	1	1:FE=160
052	met06_master	SAMPLE	464543-011	Soil	291607	06/24/22 13:07	1.0	1	1:FE=160

Enthalpy Sequence Summary for Sequence 482252582

Instrument : MET06 Begun : 06/24/22 09:42
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met06_master	SAMPLE	464543-012	Soil	291607	06/24/22 13:10	1.0	1	1:FE=190
054	met06_master	SAMPLE	464543-015	Soil	291607	06/24/22 13:17	1.0	1	1:FE=190
055	met06_master	SAMPLE	464059-001	Water	291005	06/24/22 13:20	25.0	1	
056	met06_master	CCV				06/24/22 13:23	1.0	10 1	
057	met06_master	CCB				06/24/22 13:27	1.0	1	
058	met06_master	BLANK	QC996810	Water	291823	06/24/22 13:34	1.0	1	
059	met06_master	LCS	QC996811	Water	291823	06/24/22 13:37	1.0	1	
060	met06_master	MSS	464684-003	Water	291823	06/24/22 13:41	1.0	1	
061	met06_master	XMS	QC996812	Water	291823	06/24/22 13:44	1.0	1	
062	met06_master	MSD	QC996813	Water	291823	06/24/22 13:47	1.0	1	
063	met06_master	SAMPLE	464723-002	Water	291823	06/24/22 13:50	1.0	1	
064	met06_master	SAMPLE	464747-001	Water	291823	06/24/22 13:54	1.0	1	1:SULFUR=190
065	met06_master	SAMPLE	464763-001	Water	291823	06/24/22 13:57	1.0	1	1:SULFUR=210
066	met06_master	SAMPLE	464764-001	Water	291823	06/24/22 14:00	1.0	1	2:NA=2800
067	met06_master	SAMPLE	464764-002	Water	291823	06/24/22 14:03	1.0	1	2:NA=3700
068	met06_master	CCV				06/24/22 14:07	1.0	10 1	
069	met06_master	CCB				06/24/22 14:10	1.0	1	
070	met06_master	SAMPLE	464764-003	Water	291823	06/24/22 14:13	1.0	1	2:SULFUR=4700
071	met06_master	BLANK	QC996852	TCLP Leachate	291835	06/24/22 14:16	1.0	1	1:NA=1200
072	met06_master	LCS	QC996853	TCLP Leachate	291835	06/24/22 14:20	1.0	1	1:NA=1200
073	met06_master	MSS	464186-060	TCLP Leachate	291835	06/24/22 14:26	1.0	1	1:NA=1100
074	met06_master	MS	QC996854	TCLP Leachate	291835	06/24/22 14:29	1.0	1	1:NA=1200
075	met06_master	MSD	QC996855	TCLP Leachate	291835	06/24/22 14:33	1.0	1	1:NA=1300
076	met06_master	BS	QC996840	Air	291832	06/24/22 14:39	1.0	1	
077	met06_master	BSD	QC996841	Air	291832	06/24/22 14:42	1.0	1	
078	met06_master	CCV				06/24/22 14:46	1.0	10 1	
079	met06_master	CCB				06/24/22 14:49	1.0	1	
080	met06_master	SAMPLE	464737-001	Air	291832	06/24/22 14:52	1.0	1	
081	met06_master	SAMPLE	464737-003	Air	291832	06/24/22 14:56	1.0	1	
082	met06_master	SAMPLE	464737-005	Air	291832	06/24/22 14:59	1.0	1	
083	met06_master	BLANK	QC994465	Water	291005	06/24/22 15:02	1.0	1	
084	met06_master	LCS	QC994466	Water	291005	06/24/22 15:05	1.0	1	
085	met06_master	MSS	464073-001	Water	291005	06/24/22 15:09	1.0	1	
086	met06_master	MS	QC994467	Water	291005	06/24/22 15:12	1.0	1	
087	met06_master	CCV				06/24/22 15:18	1.0	10 1	
088	met06_master	CCB				06/24/22 15:22	1.0	1	
089	met06_master	BLANK	QC996916	WET Leachate	291860	06/24/22 15:50	1.0	1	
090	met06_master	BLANK	QC996919	WET Leachate	291860	06/24/22 15:53	1.0	1	
091	met06_master	BS	QC996917	WET Leachate	291860	06/24/22 15:57	1.0	1	
092	met06_master	BSD	QC996918	WET Leachate	291860	06/24/22 16:00	1.0	1	
093	met06_master	SAMPLE	462959-007	WET Leachate	291860	06/24/22 16:03	1.0	1	
094	met06_master	SAMPLE	462959-008	WET Leachate	291860	06/24/22 16:06	1.0	1	
095	met06_master	SAMPLE	462959-009	WET Leachate	291860	06/24/22 16:10	1.0	1	
096	met06_master	SAMPLE	462959-010	WET Leachate	291860	06/24/22 16:13	1.0	1	
097	met06_master	SAMPLE	462959-014	WET Leachate	291860	06/24/22 16:16	1.0	1	
098	met06_master	XMS	QC996812	Water	291823	06/24/22 16:20	1.0	1	
099	met06_master	CCV				06/24/22 16:25	1.0	10 1	
100	met06_master	CCB				06/24/22 16:28	1.0	1	
101	met06_master	BLANK	QC996852	TCLP Leachate	291835	06/24/22 16:31	1.0	1	1:NA=1200
102	met06_master	SAMPLE	464186-019	TCLP Leachate	291835	06/24/22 16:34	1.0	1	1:NA=1200
103	met06_master	LCS	QC996399	Water	291680	06/24/22 16:38	1.0	1	
104	met06_master	MSS	464619-001	Water	291680	06/24/22 16:41	1.0	1	1:SULFUR=360

Enthalpy Sequence Summary for Sequence 482252582

Instrument : MET06 Begun : 06/24/22 09:42
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
105	met06_master	MS	QC996400	Water	291680	06/24/22 16:44	1.0	1	1:SULFUR=370
106	met06_master	MSD	QC996401	Water	291680	06/24/22 16:47	1.0	1	1:SULFUR=380
107	met06_master	SAMPLE	464641-001	Water	291680	06/24/22 16:51	1.0	1	
108	met06_master	SAMPLE	464646-002	Sea Water	291680	06/24/22 16:54	1.0	1	4:NA=4100
109	met06_master	MS	QC996812	Water	291823	06/24/22 16:58	1.0	1	
110	met06_master	CCV				06/24/22 17:03	1.0	10 1	
111	met06_master	CCB				06/24/22 17:06	1.0	1	
112	met06_master	SAMPLE	462959-015	WET Leachate	291860	06/24/22 17:12	1.0	1	
113	met06_master	SAMPLE	462959-016	WET Leachate	291860	06/24/22 17:15	1.0	1	
114	met06_master	SAMPLE	462959-017	WET Leachate	291860	06/24/22 17:18	1.0	1	
115	met06_master	BLANK	QC996839	Air	291832	06/24/22 17:23	1.0	1	
116	met06_master	SAMPLE	462959-018	WET Leachate	291860	06/24/22 17:26	1.0	1	
117	met06_master	SAMPLE	462959-020	WET Leachate	291860	06/24/22 17:30	1.0	1	
118	met06_master	SAMPLE	463034-001	WET Leachate	291860	06/24/22 17:33	1.0	1	
119	met06_master	SAMPLE	463034-003	WET Leachate	291860	06/24/22 17:36	1.0	1	
120	met06_master	SAMPLE	463034-005	WET Leachate	291860	06/24/22 17:40	1.0	1	
121	met06_master	CCV				06/24/22 17:49	1.0	10 1	
122	met06_master	CCB				06/24/22 17:53	1.0	1	
123	met06_master	SAMPLE	463034-006	WET Leachate	291860	06/24/22 17:56	1.0	1	
124	met06_master	SAMPLE	463034-007	WET Leachate	291860	06/24/22 17:59	1.0	1	
125	met06_master	SAMPLE	463034-011	WET Leachate	291860	06/24/22 18:02	1.0	1	
126	met06_master	SAMPLE	463034-012	WET Leachate	291860	06/24/22 18:06	1.0	1	
127	met06_master	SAMPLE	464543-014	Soil	291607	06/24/22 18:09	1.0	1	1:FE=250
128	met06_master	CCV				06/24/22 18:12	1.0	10 1	
129	met06_master	CCB				06/24/22 18:15	1.0	1	
130	met06_master	BLANK	QC996976	WET Leachate	291877	06/24/22 18:32	1.0	1	
131	met06_master	BLANK	QC996977	WET Leachate	291877	06/24/22 18:35	1.0	1	
132	met06_master	BS	QC996978	WET Leachate	291877	06/24/22 18:38	1.0	1	
133	met06_master	BSD	QC996979	WET Leachate	291877	06/24/22 18:42	1.0	1	
134	met06_master	SAMPLE	464274-004	WET Leachate	291877	06/24/22 18:45	1.0	1	
135	met06_master	SAMPLE	464274-007	WET Leachate	291877	06/24/22 18:48	1.0	1	
136	met06_master	SAMPLE	464274-022	WET Leachate	291877	06/24/22 18:51	1.0	1	
137	met06_master	BLANK	QC996920	TCLP Leachate	291862	06/24/22 18:55	1.0	1	1:NA=1200
138	met06_master	LCS	QC996921	TCLP Leachate	291862	06/24/22 18:58	1.0	1	1:NA=1200
139	met06_master	MSS	464274-004	TCLP Leachate	291862	06/24/22 19:01	1.0	1	1:NA=1200
140	met06_master	CCV				06/24/22 19:04	1.0	10 1	
141	met06_master	CCB				06/24/22 19:08	1.0	1	
142	met06_master	MS	QC996922	TCLP Leachate	291862	06/24/22 19:12	1.0	1	1:NA=1200
143	met06_master	MSD	QC996923	TCLP Leachate	291862	06/24/22 19:15	1.0	1	1:NA=1200
144	met06_master	SAMPLE	464274-022	TCLP Leachate	291862	06/24/22 19:19	1.0	1	1:NA=1200
145	met06_master	MSS	464349-001	Drinking Water	291893	06/24/22 19:22	1.0	1	
146	met06_master	MS	QC997004	Drinking Water	291893	06/24/22 19:25	1.0	1	
147	met06_master	MSD	QC997005	Drinking Water	291893	06/24/22 19:28	1.0	1	
148	met06_master	SAMPLE	464349-002	Drinking Water	291893	06/24/22 19:32	1.0	1	
149	met06_master	SAMPLE	464349-003	Drinking Water	291893	06/24/22 19:35	1.0	1	
150	met06_master	SAMPLE	464349-004	Drinking Water	291893	06/24/22 19:38	1.0	1	
151	met06_master	SAMPLE	464349-005	Drinking Water	291893	06/24/22 19:41	1.0	1	
152	met06_master	CCV				06/24/22 19:45	1.0	10 1	
153	met06_master	CCB				06/24/22 19:48	1.0	1	
154	met06_master	SAMPLE	464349-006	Drinking Water	291893	06/24/22 19:51	1.0	1	
155	met06_master	SAMPLE	464349-007	Drinking Water	291893	06/24/22 19:54	1.0	1	
156	met06_master	SAMPLE	464349-008	Drinking Water	291893	06/24/22 19:58	1.0	1	

Enthalpy Sequence Summary for Sequence 482252582

Instrument : MET06 Begun : 06/24/22 09:42
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
157	met06_master	SAMPLE	464349-009	Drinking Water	291893	06/24/22 20:01	1.0	1	
158	met06_master	SAMPLE	464349-010	Drinking Water	291893	06/24/22 20:04	1.0	1	
159	met06_master	BLANK	QC996821	Water	291826	06/24/22 20:07	1.0	1	
160	met06_master	LCS	QC996822	Water	291826	06/24/22 20:11	1.0	1	
161	met06_master	SAMPLE	464654-001	Water	291826	06/24/22 20:14	1.0	1	
162	met06_master	SAMPLE	464781-001	Water	291826	06/24/22 20:17	1.0	1	
163	met06_master	MSS	464782-002	Water	291826	06/24/22 20:20	1.0	1	7:SULFUR=1600
164	met06_master	CCV				06/24/22 20:24	1.0	10 1	
165	met06_master	CCB				06/24/22 20:27	1.0	1	
166	met06_master	MS	QC996823	Water	291826	06/24/22 20:30	1.0	1	7:SULFUR=1600
167	met06_master	MSD	QC996824	Water	291826	06/24/22 20:33	1.0	1	7:SULFUR=1700
168	met06_master	BLANK	QC996814	Water	291825	06/24/22 20:37	1.0	1	
169	met06_master	LCS	QC996815	Water	291825	06/24/22 20:40	1.0	1	
170	met06_master	MSS	464765-002	Water	291825	06/24/22 20:43	1.0	1	3:NA=3700
171	met06_master	MS	QC996819	Water	291825	06/24/22 20:46	1.0	1	3:NA=3700
172	met06_master	MSD	QC996820	Water	291825	06/24/22 20:50	1.0	1	3:NA=3600
173	met06_master	BLANK	QC996825	Water	291827	06/24/22 20:53	1.0	1	
174	met06_master	LCS	QC996826	Water	291827	06/24/22 20:56	1.0	1	
175	met06_master	MSS	464778-001	Water	291827	06/24/22 21:00	1.0	1	
176	met06_master	CCV				06/24/22 21:03	1.0	10 1	
177	met06_master	CCB				06/24/22 21:06	1.0	1	
178	met06_master	MS	QC996827	Water	291827	06/24/22 21:09	1.0	1	
179	met06_master	MSD	QC996828	Water	291827	06/24/22 21:13	1.0	1	
180	met06_master	SAMPLE	464782-001	Water	291827	06/24/22 21:16	1.0	1	1:SULFUR=570
181	met06_master	SAMPLE	464782-003	Water	291827	06/24/22 21:19	1.0	1	3:NA=2700
182	met06_master	BLANK	QC996911	Soil	291859	06/24/22 21:22	1.0	1	
183	met06_master	LCS	QC996912	Soil	291859	06/24/22 21:26	1.0	1	
184	met06_master	MSS	464254-001	Soil	291859	06/24/22 21:29	1.0	1	2:FEASFE2O3=130
185	met06_master	MS	QC996913	Soil	291859	06/24/22 21:32	1.0	1	2:ALASAL2O3=130
186	met06_master	MSD	QC996914	Soil	291859	06/24/22 21:35	1.0	1	2:ALASAL2O3=120
187	met06_master	PDS	QC996915	Soil	291859	06/24/22 21:39	1.0	1	
188	met06_master	CCV				06/24/22 21:42	1.0	10 1	
189	met06_master	CCB				06/24/22 21:45	1.0	1	
190	met06_master	SAMPLE	464254-002	Soil	291859	06/24/22 21:48	1.0	1	
191	met06_master	SAMPLE	464254-003	Soil	291859	06/24/22 21:52	1.0	1	
192	met06_master	SAMPLE	464254-004	Soil	291859	06/24/22 21:55	1.0	1	1:FE=230
193	met06_master	SAMPLE	464254-005	Soil	291859	06/24/22 21:58	1.0	1	1:FE=340
194	met06_master	BLANK	QC996928	Wipe	291864	06/24/22 22:01	1.0	1	
195	met06_master	BS	QC996929	Wipe	291864	06/24/22 22:05	1.0	1	
196	met06_master	BSD	QC996930	Wipe	291864	06/24/22 22:08	1.0	1	
197	met06_master	SAMPLE	464779-001	Wipe	291864	06/24/22 22:11	1.0	1	
198	met06_master	SAMPLE	464779-004	Wipe	291864	06/24/22 22:14	1.0	1	
199	met06_master	SAMPLE	464779-005	Wipe	291864	06/24/22 22:18	1.0	1	
200	met06_master	CCV				06/24/22 22:21	1.0	10 1	
201	met06_master	CCB				06/24/22 22:24	1.0	1	
202	met06_master	SAMPLE	464785-001	Wipe	291864	06/24/22 22:27	1.0	1	
203	met06_master	SAMPLE	464785-003	Wipe	291864	06/24/22 22:31	1.0	1	
204	met06_master	SAMPLE	464785-005	Wipe	291864	06/24/22 22:34	1.0	1	
205	met06_master	BLANK	QC996194	Soil	291606	06/24/22 22:37	1.0	1	
206	met06_master	LCS	QC996195	Soil	291606	06/24/22 22:40	1.0	1	
207	met06_master	MSS	463774-003	Soil	291606	06/24/22 22:44	1.0	1	3:FEASFE2O3=370
208	met06_master	MS	QC996196	Soil	291606	06/24/22 22:47	1.0	1	3:ALASAL2O3=400

Enthalpy Sequence Summary for Sequence 482252582

Instrument : MET06 Begun : 06/24/22 09:42
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
209	met06_master	MSD	QC996197	Soil	291606	06/24/22 22:50	1.0	1	3:FEASFE2O3=440
210	met06_master	PDS	QC996198	Soil	291606	06/24/22 22:53	1.0	1	1:FE=260
211	met06_master	SAMPLE	463774-004	Soil	291606	06/24/22 22:56	1.0	1	1:FE=170
212	met06_master	CCV				06/24/22 23:00	1.0	10 1	
213	met06_master	CCB				06/24/22 23:03	1.0	1	
214	met06_master	SAMPLE	463774-005	Soil	291606	06/24/22 23:06	1.0	1	1:FE=230
215	met06_master	SAMPLE	463774-006	Soil	291606	06/24/22 23:09	1.0	1	
216	met06_master	SAMPLE	463774-012	Soil	291606	06/24/22 23:13	1.0	1	1:FE=210
217	met06_master	SAMPLE	463774-013	Soil	291606	06/24/22 23:16	1.0	1	
218	met06_master	SAMPLE	463774-015	Soil	291606	06/24/22 23:19	1.0	1	
219	met06_master	SAMPLE	463774-021	Soil	291606	06/24/22 23:22	1.0	1	1:FE=180
220	met06_master	SAMPLE	463774-022	Soil	291606	06/24/22 23:26	1.0	1	
221	met06_master	SAMPLE	463774-024	Soil	291606	06/24/22 23:29	1.0	1	
222	met06_master	SAMPLE	463774-027	Soil	291606	06/24/22 23:32	1.0	1	
223	met06_master	SAMPLE	463774-029	Soil	291606	06/24/22 23:35	1.0	1	1:FE=270
224	met06_master	CCV				06/24/22 23:39	1.0	10 1	
225	met06_master	CCB				06/24/22 23:42	1.0	1	
226	met06_master	SAMPLE	464335-001	WET Leachate	291852	06/24/22 23:51	1.0	1	
227	met06_master	BLANK	QC996636	Soil	291766	06/24/22 23:54	1.0	1	
228	met06_master	LCS	QC996637	Soil	291766	06/24/22 23:57	1.0	1	
229	met06_master	SAMPLE	464266-001	Miscell.	291766	06/25/22 00:01	1.0	1	2:FE=220
230	met06_master	SAMPLE	464277-001	Miscell.	291766	06/25/22 00:04	1.0	1	2:FE=220
231	met06_master	SAMPLE	464324-001	Soil	291766	06/25/22 00:07	1.0	1	2:MG=1400
232	met06_master	SAMPLE	464362-002	Miscell.	291766	06/25/22 00:10	1.0	1	1:CA=2100
233	met06_master	SAMPLE	464362-003	Miscell.	291766	06/25/22 00:14	1.0	1	1:V=21
234	met06_master	SAMPLE	464403-001	Soil	291766	06/25/22 00:17	1.0	1	1:FE=210
235	met06_master	SAMPLE	464403-002	Soil	291766	06/25/22 00:20	1.0	1	1:FE=200
236	met06_master	CCV				06/25/22 00:23	1.0	10 1	
237	met06_master	CCB				06/25/22 00:27	1.0	1	
238	met06_master	SAMPLE	464403-003	Soil	291766	06/25/22 00:31	1.0	1	1:FE=210
239	met06_master	SAMPLE	464403-004	Soil	291766	06/25/22 00:34	1.0	1	1:FE=180
240	met06_master	MSS	464413-001	Soil	291766	06/25/22 00:37	1.0	1	3:FEASFE2O3=260
241	met06_master	MS	QC996638	Soil	291766	06/25/22 00:41	1.0	1	3:FEASFE2O3=280
242	met06_master	MSD	QC996639	Soil	291766	06/25/22 00:44	1.0	1	3:FEASFE2O3=270
243	met06_master	PDS	QC996640	Soil	291766	06/25/22 00:47	1.0	1	1:FE=180
244	met06_master	SAMPLE	464413-002	Soil	291766	06/25/22 00:50	1.0	1	1:P=170
245	met06_master	SAMPLE	464413-004	Soil	291766	06/25/22 00:54	1.0	1	1:FE=200
246	met06_master	SAMPLE	464413-005	Soil	291766	06/25/22 00:57	1.0	1	
247	met06_master	SAMPLE	464413-006	Soil	291766	06/25/22 01:00	1.0	1	1:FE=220
248	met06_master	CCV				06/25/22 01:03	1.0	10 1	
249	met06_master	CCB				06/25/22 01:07	1.0	1	
250	met06_master	SAMPLE	464421-001	Soil	291766	06/25/22 01:10	1.0	1	2:FE=250
251	met06_master	SAMPLE	464421-003	Soil	291766	06/25/22 01:13	1.0	1	
252	met06_master	SAMPLE	464421-005	Soil	291766	06/25/22 01:16	1.0	1	
253	met06_master	SAMPLE	464421-006	Soil	291766	06/25/22 01:20	1.0	1	1:FE=230
254	met06_master	SAMPLE	464421-011	Soil	291766	06/25/22 01:23	1.0	1	1:FE=360
255	met06_master	SAMPLE	464421-013	Soil	291766	06/25/22 01:26	1.0	1	1:FE=160
256	met06_master	BLANK	QC996641	Soil	291767	06/25/22 01:30	1.0	1	
257	met06_master	LCS	QC996642	Soil	291767	06/25/22 01:33	1.0	1	
258	met06_master	MSS	464506-001	Soil	291767	06/25/22 01:36	1.0	1	4:FEASFE2O3=320
259	met06_master	MS	QC996643	Soil	291767	06/25/22 01:39	1.0	1	4:FEASFE2O3=300
260	met06_master	CCV				06/25/22 01:43	1.0	10 1	

Enthalpy Sequence Summary for Sequence 482252582

Instrument : MET06 Begun : 06/24/22 09:42
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
261	met06_master	CCB				06/25/22 01:46	1.0	1	
262	met06_master	MSD	QC996644	Soil	291767	06/25/22 01:49	1.0	1	4:FEASFE2O3=360
263	met06_master	PDS	QC996645	Soil	291767	06/25/22 01:52	1.0	1	2:FE=220
264	met06_master	SAMPLE	464508-001	Soil	291767	06/25/22 01:56	1.0	1	2:FE=160
265	met06_master	SAMPLE	464508-003	Soil	291767	06/25/22 01:59	1.0	1	2:FE=170
266	met06_master	SAMPLE	464509-001	Soil	291767	06/25/22 02:02	1.0	1	2:FE=170
267	met06_master	SAMPLE	464509-003	Soil	291767	06/25/22 02:05	1.0	1	3:FE=250
268	met06_master	SAMPLE	464528-001	Soil	291767	06/25/22 02:09	1.0	1	1:FE=230
269	met06_master	SAMPLE	464581-003	Soil	291767	06/25/22 02:12	1.0	1	1:FE=190
270	met06_master	SAMPLE	464606-001	Miscell.	291767	06/25/22 02:15	1.0	1	
271	met06_master	SAMPLE	464617-001	Soil	291767	06/25/22 02:18	1.0	1	2:FE=240
272	met06_master	CCV				06/25/22 02:22	1.0	10 1	
273	met06_master	CCB				06/25/22 02:25	1.0	1	
274	met06_master	SAMPLE	464665-001	Soil	291767	06/25/22 02:28	1.0	1	1:FE=230
275	met06_master	SAMPLE	464665-002	Soil	291767	06/25/22 02:31	1.0	1	1:FE=200
276	met06_master	SAMPLE	464665-003	Soil	291767	06/25/22 02:35	1.0	1	2:FE=200
277	met06_master	SAMPLE	464665-004	Soil	291767	06/25/22 02:38	1.0	1	1:FE=160
278	met06_master	SAMPLE	464665-005	Soil	291767	06/25/22 02:41	1.0	1	1:FE=200
279	met06_master	SAMPLE	464665-006	Soil	291767	06/25/22 02:44	1.0	1	1:FE=180
280	met06_master	SAMPLE	464665-007	Soil	291767	06/25/22 02:48	1.0	1	1:FE=180
281	met06_master	SAMPLE	464665-008	Soil	291767	06/25/22 02:51	1.0	1	1:FE=170
282	met06_master	SAMPLE	464665-009	Soil	291767	06/25/22 02:54	1.0	1	1:FE=190
283	met06_master	SAMPLE	464665-010	Soil	291767	06/25/22 02:57	1.0	1	1:FE=220
284	met06_master	CCV				06/25/22 03:01	1.0	10 1	
285	met06_master	CCB				06/25/22 03:04	1.0	1	
286	met06_master	SAMPLE	464665-011	Soil	291767	06/25/22 03:07	1.0	1	2:FE=200
287	met06_master	BLANK	QC996646	Soil	291768	06/25/22 03:10	1.0	1	
288	met06_master	LCS	QC996647	Soil	291768	06/25/22 03:14	1.0	1	
289	met06_master	MSS	464665-012	Soil	291768	06/25/22 03:17	1.0	1	3:FEASFE2O3=280
290	met06_master	MS	QC996648	Soil	291768	06/25/22 03:20	1.0	1	3:ALASAL2O3=290
291	met06_master	MSD	QC996649	Soil	291768	06/25/22 03:23	1.0	1	3:ALASAL2O3=310
292	met06_master	PDS	QC996650	Soil	291768	06/25/22 03:27	1.0	1	1:FE=200
293	met06_master	SAMPLE	464665-013	Soil	291768	06/25/22 03:30	1.0	1	1:FE=220
294	met06_master	SAMPLE	464665-014	Soil	291768	06/25/22 03:33	1.0	1	1:FE=190
295	met06_master	SAMPLE	464665-015	Soil	291768	06/25/22 03:37	1.0	1	1:FE=160
296	met06_master	CCV				06/25/22 03:40	1.0	10 1	
297	met06_master	CCB				06/25/22 03:43	1.0	1	
298	met06_master	SAMPLE	464665-016	Soil	291768	06/25/22 03:46	1.0	1	1:FE=210
299	met06_master	SAMPLE	464665-017	Soil	291768	06/25/22 03:49	1.0	1	2:FE=190
300	met06_master	SAMPLE	464665-018	Soil	291768	06/25/22 03:53	1.0	1	1:FE=180
301	met06_master	SAMPLE	464665-019	Soil	291768	06/25/22 03:56	1.0	1	1:FE=210
302	met06_master	SAMPLE	464665-020	Soil	291768	06/25/22 03:59	1.0	1	1:FE=170
303	met06_master	SAMPLE	464665-021	Soil	291768	06/25/22 04:02	1.0	1	1:FE=200
304	met06_master	SAMPLE	464665-022	Soil	291768	06/25/22 04:06	1.0	1	1:FE=190
305	met06_master	SAMPLE	464665-023	Soil	291768	06/25/22 04:09	1.0	1	1:FE=170
306	met06_master	SAMPLE	464665-024	Soil	291768	06/25/22 04:12	1.0	1	1:FE=210
307	met06_master	SAMPLE	464670-004	Soil	291768	06/25/22 04:15	1.0	1	2:FE=190
308	met06_master	CCV				06/25/22 04:19	1.0	10 1	
309	met06_master	CCB				06/25/22 04:22	1.0	1	
310	met06_master	SAMPLE	464674-004	Soil	291768	06/25/22 04:25	1.0	1	1:TI=11
311	met06_master	SAMPLE	464674-009	Soil	291768	06/25/22 04:28	1.0	1	2:FE=160
312	met06_master	SAMPLE	464674-014	Soil	291768	06/25/22 04:32	1.0	1	1:TI=12

Enthalpy Sequence Summary for Sequence 482252582

Instrument : MET06 Begun : 06/24/22 09:42
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
313	met06_master	SAMPLE	464674-019	Soil	291768	06/25/22 04:35	1.0	1	
314	met06_master	SAMPLE	464674-024	Soil	291768	06/25/22 04:38	1.0	1	
315	met06_master	SAMPLE	464674-029	Soil	291768	06/25/22 04:41	1.0	1	1:TI=11
316	met06_master	BLANK	QC996651	Soil	291769	06/25/22 04:45	1.0	1	
317	met06_master	LCS	QC996652	Soil	291769	06/25/22 04:48	1.0	1	
318	met06_master	MSS	464735-001	Soil	291769	06/25/22 04:51	1.0	1	3:FEASFE2O3=270
319	met06_master	MS	QC996653	Soil	291769	06/25/22 04:54	1.0	1	3:ALASAL2O3=300
320	met06_master	CCV				06/25/22 04:58	1.0	10 1	
321	met06_master	CCB				06/25/22 05:01	1.0	1	
322	met06_master	SAMPLE	463774-036	Soil	291606	06/25/22 05:04	1.0	1	1:FE=180
323	met06_master	SAMPLE	463774-037	Soil	291606	06/25/22 05:07	1.0	1	1:FE=190
324	met06_master	SAMPLE	463774-039	Soil	291606	06/25/22 05:11	1.0	1	
325	met06_master	SAMPLE	463774-042	Soil	291606	06/25/22 05:14	1.0	1	1:FE=200
326	met06_master	SAMPLE	463774-043	Soil	291606	06/25/22 05:17	1.0	1	
327	met06_master	SAMPLE	463774-048	Soil	291606	06/25/22 05:20	1.0	1	1:FE=170
328	met06_master	SAMPLE	463774-049	Soil	291606	06/25/22 05:24	1.0	1	1:FE=200
329	met06_master	SAMPLE	463774-052	Soil	291606	06/25/22 05:27	1.0	1	
330	met06_master	BLANK	QC996204	Soil	291608	06/25/22 05:30	1.0	1	
331	met06_master	LCS	QC996205	Soil	291608	06/25/22 05:33	1.0	1	
332	met06_master	CCV				06/25/22 05:37	1.0	10 1	
333	met06_master	CCB				06/25/22 05:40	1.0	1	
334	met06_master	SAMPLE	464292-001	Soil	291608	06/25/22 05:43	1.0	1	
335	met06_master	SAMPLE	464427-002	Soil	291608	06/25/22 05:46	1.0	1	2:FE=240
336	met06_master	MSS	464581-006	Soil	291608	06/25/22 05:50	1.0	1	3:ALASAL2O3=260
337	met06_master	MS	QC996206	Soil	291608	06/25/22 05:53	1.0	1	4:ALASAL2O3=300
338	met06_master	MSD	QC996207	Soil	291608	06/25/22 05:56	1.0	1	4:ALASAL2O3=310
339	met06_master	PDS	QC996208	Soil	291608	06/25/22 05:59	1.0	1	1:FE=170
340	met06_master	SAMPLE	464581-008	Soil	291608	06/25/22 06:03	1.0	1	1:FE=220
341	met06_master	BLANK	QC996947	Miscell.	291867	06/25/22 06:06	1.0	1	
342	met06_master	BS	QC996949	Miscell.	291867	06/25/22 06:09	1.0	1	
343	met06_master	BSD	QC996950	Miscell.	291867	06/25/22 06:12	1.0	1	
344	met06_master	CCV				06/25/22 06:16	1.0	10 1	
345	met06_master	CCB				06/25/22 06:19	1.0	1	
346	met06_master	SAMPLE	464162-001	Miscell.	291867	06/25/22 06:22	1.0	1	1:P=68
347	met06_master	SAMPLE	464162-002	Miscell.	291867	06/25/22 06:25	1.0	1	1:P=77
348	met06_master	SAMPLE	464765-001	Miscell.	291867	06/25/22 06:29	1.0	1	
349	met06_master	BLANK	QC996666	Soil	291772	06/25/22 06:32	1.0	1	
350	met06_master	LCS	QC996667	Soil	291772	06/25/22 06:35	1.0	1	
351	met06_master	SAMPLE	464436-005	Soil	291772	06/25/22 06:38	1.0	1	3:CA=1100
352	met06_master	SAMPLE	464438-005	Soil	291772	06/25/22 06:42	1.0	1	
353	met06_master	MSS	464735-061	Soil	291772	06/25/22 06:45	1.0	1	3:FEASFE2O3=240
354	met06_master	MS	QC996668	Soil	291772	06/25/22 06:48	1.0	1	3:FEASFE2O3=280
355	met06_master	MSD	QC996669	Soil	291772	06/25/22 06:51	1.0	1	3:ALASAL2O3=300
356	met06_master	CCV				06/25/22 06:55	1.0	10 1	
357	met06_master	CCB				06/25/22 06:58	1.0	1	
358	met06_master	PDS	QC996670	Soil	291772	06/25/22 07:01	1.0	1	1:FE=160
359	met06_master	SAMPLE	464735-062	Soil	291772	06/25/22 07:04	1.0	1	1:FE=210
360	met06_master	SAMPLE	464735-063	Soil	291772	06/25/22 07:08	1.0	1	1:FE=200
361	met06_master	SAMPLE	464735-064	Soil	291772	06/25/22 07:11	1.0	1	1:FE=210
362	met06_master	SAMPLE	464735-065	Soil	291772	06/25/22 07:14	1.0	1	1:FE=210
363	met06_master	SAMPLE	464735-066	Soil	291772	06/25/22 07:17	1.0	1	1:FE=230
364	met06_master	SAMPLE	464735-067	Soil	291772	06/25/22 07:21	1.0	1	1:FE=190

Enthalpy Sequence Summary for Sequence 482252582

Instrument : MET06 Begun : 06/24/22 09:42
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
365	met06_master	BLANK	QC996656	Soil	291770	06/25/22 07:24	1.0	1	
366	met06_master	LCS	QC996657	Soil	291770	06/25/22 07:27	1.0	1	
367	met06_master	MSS	464735-021	Soil	291770	06/25/22 07:30	1.0	1	3:FEASFE2O3=300
368	met06_master	CCV				06/25/22 07:34	1.0	10 1	
369	met06_master	CCB				06/25/22 07:37	1.0	1	
370	met06_master	MS	QC996658	Soil	291770	06/25/22 07:40	1.0	1	3:ALASAL2O3=370
371	met06_master	MSD	QC996659	Soil	291770	06/25/22 07:43	1.0	1	3:ALASAL2O3=400
372	met06_master	PDS	QC996660	Soil	291770	06/25/22 07:47	1.0	1	1:FE=210
373	met06_master	SAMPLE	464735-022	Soil	291770	06/25/22 07:50	1.0	1	2:FE=230
374	met06_master	SAMPLE	464735-023	Soil	291770	06/25/22 07:53	1.0	1	1:FE=200
375	met06_master	SAMPLE	464735-024	Soil	291770	06/25/22 07:56	1.0	1	1:FE=190
376	met06_master	SAMPLE	464735-025	Soil	291770	06/25/22 08:00	1.0	1	1:FE=230
377	met06_master	SAMPLE	464735-026	Soil	291770	06/25/22 08:03	1.0	1	1:FE=210
378	met06_master	SAMPLE	464735-027	Soil	291770	06/25/22 08:06	1.0	1	1:FE=230
379	met06_master	SAMPLE	464735-028	Soil	291770	06/25/22 08:09	1.0	1	1:FE=200
380	met06_master	CCV				06/25/22 08:13	1.0	10 1	
381	met06_master	CCB				06/25/22 08:16	1.0	1	
382	met06_master	SAMPLE	464735-029	Soil	291770	06/25/22 08:19	1.0	1	1:FE=240
383	met06_master	SAMPLE	464735-030	Soil	291770	06/25/22 08:22	1.0	1	2:FE=190
384	met06_master	SAMPLE	464735-031	Soil	291770	06/25/22 08:26	1.0	1	1:FE=200
385	met06_master	SAMPLE	464735-032	Soil	291770	06/25/22 08:29	1.0	1	1:FE=250
386	met06_master	SAMPLE	464735-033	Soil	291770	06/25/22 08:32	1.0	1	1:FE=220
387	met06_master	SAMPLE	464735-034	Soil	291770	06/25/22 08:35	1.0	1	1:FE=240
388	met06_master	SAMPLE	464735-035	Soil	291770	06/25/22 08:39	1.0	1	1:FE=210
389	met06_master	SAMPLE	464735-036	Soil	291770	06/25/22 08:42	1.0	1	1:FE=190
390	met06_master	SAMPLE	464735-037	Soil	291770	06/25/22 08:45	1.0	1	1:FE=250
391	met06_master	SAMPLE	464735-038	Soil	291770	06/25/22 08:48	1.0	1	1:FE=230
392	met06_master	CCV				06/25/22 08:52	1.0	10 1	
393	met06_master	CCB				06/25/22 08:55	1.0	1	
394	met06_master	SAMPLE	464735-039	Soil	291770	06/25/22 08:58	1.0	1	1:FE=210
395	met06_master	SAMPLE	464735-040	Soil	291770	06/25/22 09:01	1.0	1	1:FE=210
396	met06_master	BLANK	QC996661	Soil	291771	06/25/22 09:05	1.0	1	
397	met06_master	LCS	QC996662	Soil	291771	06/25/22 09:08	1.0	1	
398	met06_master	MSS	464735-041	Soil	291771	06/25/22 09:11	1.0	1	3:ALASAL2O3=330
399	met06_master	MS	QC996663	Soil	291771	06/25/22 09:15	1.0	1	3:ALASAL2O3=300
400	met06_master	MSD	QC996664	Soil	291771	06/25/22 09:18	1.0	1	3:ALASAL2O3=380
401	met06_master	PDS	QC996665	Soil	291771	06/25/22 09:21	1.0	1	1:FE=220
402	met06_master	SAMPLE	464735-042	Soil	291771	06/25/22 09:24	1.0	1	1:FE=190
403	met06_master	SAMPLE	464735-043	Soil	291771	06/25/22 09:28	1.0	1	1:FE=210
404	met06_master	CCV				06/25/22 09:31	1.0	10 1	
405	met06_master	CCB				06/25/22 09:34	1.0	1	
406	met06_master	SAMPLE	464735-044	Soil	291771	06/25/22 09:37	1.0	1	1:FE=180
407	met06_master	SAMPLE	464735-045	Soil	291771	06/25/22 09:41	1.0	1	1:FE=190
408	met06_master	SAMPLE	464735-046	Soil	291771	06/25/22 09:44	1.0	1	1:FE=280
409	met06_master	SAMPLE	464735-047	Soil	291771	06/25/22 09:47	1.0	1	1:FE=210
410	met06_master	SAMPLE	464735-048	Soil	291771	06/25/22 09:50	1.0	1	1:FE=230
411	met06_master	SAMPLE	464735-049	Soil	291771	06/25/22 09:54	1.0	1	1:FE=190
412	met06_master	SAMPLE	464735-050	Soil	291771	06/25/22 09:57	1.0	1	1:FE=210
413	met06_master	SAMPLE	464735-051	Soil	291771	06/25/22 10:00	1.0	1	1:FE=210
414	met06_master	SAMPLE	464735-052	Soil	291771	06/25/22 10:03	1.0	1	1:FE=210
415	met06_master	SAMPLE	464735-053	Soil	291771	06/25/22 10:07	1.0	1	1:FE=210
416	met06_master	CCV				06/25/22 10:10	1.0	10 1	

Enthalpy Sequence Summary for Sequence 482252582

Instrument : MET06 Begun : 06/24/22 09:42
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
417	met06_master	CCB				06/25/22 10:13	1.0	1	
418	met06_master	SAMPLE	464735-054	Soil	291771	06/25/22 10:16	1.0	1	1:FE=220
419	met06_master	SAMPLE	464735-055	Soil	291771	06/25/22 10:20	1.0	1	1:FE=200
420	met06_master	SAMPLE	464735-056	Soil	291771	06/25/22 10:23	1.0	1	1:FE=210
421	met06_master	SAMPLE	464735-057	Soil	291771	06/25/22 10:26	1.0	1	1:FE=190
422	met06_master	SAMPLE	464735-058	Soil	291771	06/25/22 10:29	1.0	1	1:FE=190
423	met06_master	SAMPLE	464735-059	Soil	291771	06/25/22 10:33	1.0	1	2:FE=310
424	met06_master	SAMPLE	464735-060	Soil	291771	06/25/22 10:36	1.0	1	1:FE=210
425	met06_master	BLANK	QC996888	WET Leachate	291852	06/25/22 10:39	1.0	1	
426	met06_master	BLANK	QC996889	WET Leachate	291852	06/25/22 10:42	1.0	1	
427	met06_master	BLANK	QC996890	WET Leachate	291852	06/25/22 10:46	1.0	1	
428	met06_master	CCV				06/25/22 10:49	1.0	10 1	
429	met06_master	CCB				06/25/22 10:52	1.0	1	
430	met06_master	BS	QC996891	WET Leachate	291852	06/25/22 10:56	1.0	1	
431	met06_master	BSD	QC996892	WET Leachate	291852	06/25/22 10:59	1.0	1	
432	met06_master	SAMPLE	464274-011	WET Leachate	291852	06/25/22 11:02	1.0	1	
433	met06_master	SAMPLE	464274-012	WET Leachate	291852	06/25/22 11:05	1.0	1	
434	met06_master	SAMPLE	464274-013	WET Leachate	291852	06/25/22 11:09	1.0	1	
435	met06_master	SAMPLE	464274-015	WET Leachate	291852	06/25/22 11:12	1.0	1	
436	met06_master	SAMPLE	464274-018	WET Leachate	291852	06/25/22 11:15	1.0	1	
437	met06_master	CCV				06/25/22 11:18	1.0	10 1	
438	met06_master	CCB				06/25/22 11:22	1.0	1	

SBW 06/27/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 438.

Standards used: 1=S13369 2=S16950 3=S16949 4=S16948 5=S16947 6=S16645 7=S16518 8=S16675 9=S16519 10=S16870 11=S16646 12=S16520 13=S16601

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 464785-001	Client ID	: DOOR-N-0.2GW-DG-7 TO 21-220623-L-LA
Seqnum	: 482252582202	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 291864	Time	: 24-JUN-2022 22:27
Cal	: 482252582001	Caldate	: 24-JUN-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.03 ft2 --> 100.0 ml = 97.31 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.3828	37	0.97	0.035	!<a- u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1559261	1525343	-2.18

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 464785-001,291864			Sample Type: Unknown Sample
Measure Date: 2022-06-24 22:27:49	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	46398.12000	4006.62670	4546.38630	8536.72930	11052.64600	70858.69000	7515.84400
Int RSD	*0.61947370*	*4.80303244*	*1.15206961*	*0.54050285*	*0.54189143*	*0.27190321*	*0.20481768*
Int SD	*287.42415000*	*192.43958000*	*52.37753500*	*46.14126500*	*59.89334200*	*192.66705000*	*15.39377700*
RelInt Mean	0.00003870	0.00503365	-0.00015771	0.00141290	0.00270091	0.21738658	0.00063850
RelInt RSD	*13.03838031*	*10.11977284*	*9.71572356*	*1.96880047*	*0.65692807*	*0.68788487*	*2.21808875*
RelInt SD	*0.00000505*	*0.00050939*	*0.00001532*	*0.00002782*	*0.00001774*	*0.00149537*	*0.00001416*
Conc Mean	<0.00038948[mg/l]	0.45750004[mg/l]	<-0.00729757[mg/l]	0.01979804[mg/l]	0.00836236[mg/l]	14.22902300[mg/l]	0.00371325[mg/l]
Conc RSD	*59.34545692*	*11.04741543*	*12.59303679*	*2.15575958*	*0.68721902*	*0.69664284*	*1.81603418*
Conc SD	*0.00023114[mg/l]*	*0.05054193[mg/l]*	*0.00091899[mg/l]*	*0.00042680[mg/l]*	*0.00005747[mg/l]*	*0.09912547[mg/l]*	*0.00006743[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	9669.73460	624549	9677912	3157.50450	4940.84760	246233	5073.07720
Int RSD	*0.50918956*	*1.04195254*	*0.26677223*	*4.13393995*	*4.68183172*	*0.32528037*	*2.27096347*
Int SD	*49.23727900*	*6507.50750*	*25817.98200*	*130.52934000*	*231.32217000*	*800.94800000*	*115.20773000*
RelInt Mean	0.00239940	0.01822824	6.37424920	0.00841172	0.00678781	0.15732830	0.00022579
RelInt RSD	*1.48050504*	*1.23790047*	*0.23660699*	*3.67885645*	*6.85955708*	*0.53042655*	*50.82061578*
RelInt SD	*0.00003552*	*0.00022565*	*0.01508192*	*0.00030945*	*0.00046561*	*0.00083451*	*0.00011475*
Conc Mean	0.01832090[mg/l]	0.63128214[mg/l]	25.33585600[mg/l]	6.92358390[mg/l]	2.08510730[mg/l]	0.12221321[mg/l]	0.00170685[mg/l]
Conc RSD	*1.52813787*	*1.24865036*	*0.23662301*	*3.74189804*	*6.90646855*	*0.53075903*	*51.81794379*
Conc SD	*0.00027997[mg/l]*	*0.00788251[mg/l]*	*0.05995047[mg/l]*	*0.25907345[mg/l]*	*0.14400728[mg/l]*	*0.00064866[mg/l]*	*0.00088445[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	70140.41900	17899.67400	25431.04100	5235.89390	4321.79520	7013.73480	6400.56890
Int RSD	*0.64212275*	*0.75044523*	*0.27253821*	*0.92116647*	*1.41115588*	*1.19342454*	*2.99745418*
Int SD	*450.38759000*	*134.32725000*	*69.30930400*	*48.23129900*	*60.98726700*	*83.70363200*	*191.85412000*
RelInt Mean	0.18577967	0.00718627	0.01224302	0.00009823	-0.00002290	0.00092083	0.01370300
RelInt RSD	*1.03158322*	*1.30304781*	*0.37465661*	*14.87421146*	*115.74377319*	*10.31450004*	*3.25908529*
RelInt SD	*0.00191647*	*0.00009364*	*0.00004587*	*0.00001461*	*0.00002651*	*0.00009498*	*0.00044659*
Conc Mean	8.77109620[mg/l]	0.06343044[mg/l]	0.38277071[mg/l]	0.00686010[mg/l]	<-0.00199164[mg/l]	0.01752193[mg/l]	0.01310663[mg/l]
Conc RSD	*1.05532620*	*1.33236555*	*0.37631106*	*11.17355219*	*93.07002602*	*10.34908765*	*3.21312818*
Conc SD	*0.09256368[mg/l]*	*0.00084513[mg/l]*	*0.00144041[mg/l]*	*0.00076652[mg/l]*	*0.00185362[mg/l]*	*0.00181336[mg/l]*	*0.00042113[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	170872	5124.42830	11552.18700	1525343	32021033	326332	436862
Int RSD	*18.91622918*	*0.30647196*	*0.50222837*	*0.49901050*	*0.87314691*	*0.66461492*	*0.31714502*
Int SD	*32322.45400*	*15.70493600*	*58.01836100*	*7611.62380*	*279591*	*2168.85030*	*1385.48460*
RelInt Mean	0.00381337	0.00021076	0.00003693	---	---	---	0.28482856
RelInt RSD	*26.51677737*	*10.16199779*	*6.08596380*	---	---	---	*0.25180854*
RelInt SD	*0.00101118*	*0.00002142*	*0.00000225*	---	---	---	*0.00071722*
Conc Mean	0.03719907[mg/l]	0.02900711[mg/l]	<0.00160308[mg/l]	1517021	31951291	324243	1.05136110[mg/l]
Conc RSD	*26.54645283*	*8.88597945*	*26.47046105*	---	---	---	*0.25195730*
Conc SD	*0.00987503[mg/l]*	*0.00257757[mg/l]*	*0.00042434[mg/l]*	*7569.20960*	*280019*	*2045.14920*	*0.00264898[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	240.21908000	7934.12940	93535.32500	16187.94300	6748.69350	84617.86300	
Int RSD	*24.17230138*	*1.93833025*	*1.11731028*	*0.18203157*	*0.57510819*	*0.50803563*	
Int SD	*58.06648000*	*153.78963000*	*1045.07980*	*29.46716700*	*38.81228900*	*429.88889000*	
RelInt Mean	-0.00022946	0.00101916	0.05730476	0.00729913	0.00004172	0.05232428	
RelInt RSD	*137.03443820*	*22.89782573*	*0.73909203*	*0.55871942*	*72.15276934*	*0.34197717*	
RelInt SD	*0.00031444*	*0.00023337*	*0.00042353*	*0.00004078*	*0.00003010*	*0.00017894*	
Conc Mean	<0.00062324[mg/l]	0.00544931[mg/l]	1.04760710[mg/l]	0.25406613[mg/l]	<0.00003241[mg/l]	4.41857370[mg/l]	
Conc RSD	*188.05054469*	*43.57234063*	*0.74467687*	*0.57443064*	*374.13616719*	*0.34195596*	
Conc SD	*0.00117201[mg/l]*	*0.00237439[mg/l]*	*0.00780129[mg/l]*	*0.00145943[mg/l]*	*0.00012125[mg/l]*	*0.01510958[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 464785-003	Client ID	: DOOR-N-0.3GW-DG-6 TO 20-220623-L-G
Seqnum	: 482252582203	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 291864	Time	: 24-JUN-2022 22:31
Cal	: 482252582001	Caldate	: 24-JUN-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.03 ft2 --> 100.0 ml = 97.31 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.539	150	0.97	0.035	!<a- u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1559261	1540415	-1.21

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 464785-003,291864			Sample Type: Unknown Sample
Measure Date: 2022-06-24 22:31:04	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	47003.40200	5537.49090	4590.05510	8541.71920	10354.15500	47867.66500	8403.77190
Int RSD	*0.48621121*	*2.99133295*	*0.73939759*	*0.86728515*	*0.22369531*	*0.80874296*	*0.44947367*
Int SD	*228.53581000*	*165.64479000*	*33.93875700*	*74.08106200*	*23.16175900*	*387.12637000*	*37.77274200*
RelInt Mean	0.00003364	0.00998997	-0.00001487	0.00136108	0.00217490	0.14624387	0.00115346
RelInt RSD	*27.55471710*	*4.90108109*	*169.58505511*	*3.91293542*	*0.86915380*	*1.05385128*	*1.25353258*
RelInt SD	*0.00000927*	*0.00048962*	*0.00002522*	*0.00005326*	*0.00001890*	*0.00154119*	*0.00001446*
Conc Mean	<0.00015773[mg/l]	0.94926414[mg/l]	<0.00126953[mg/l]	0.01900302[mg/l]	0.00667850[mg/l]	9.51308700[mg/l]	0.00674060[mg/l]
Conc RSD	*269.21050449*	*5.11760467*	*119.14169140*	*4.30006235*	*0.91594583*	*1.07392374*	*1.31888180*
Conc SD	*0.00042462[mg/l]*	*0.04857959[mg/l]*	*0.00151254[mg/l]*	*0.00081714[mg/l]*	*0.00006117[mg/l]*	*0.10216330[mg/l]*	*0.00008890[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	9916.42710	114585	16120515	1733.90120	5253.75990	490869	4876.83660
Int RSD	*0.47517328*	*0.78766685*	*0.36989010*	*4.26211424*	*3.11272276*	*0.56051342*	*0.54856412*
Int SD	*47.12021200*	*902.54546000*	*59628.18900*	*73.90085000*	*163.53498000*	*2751.38460*	*26.75257600*
RelInt Mean	0.00243612	0.00226939	10.51758500	0.00388238	0.00752449	0.31527303	0.00009528
RelInt RSD	*0.88630425*	*1.37227814*	*0.96046526*	*1.27174714*	*3.74693919*	*0.98767824*	*29.37447999*
RelInt SD	*0.00002159*	*0.00003114*	*0.10101775*	*0.00004937*	*0.00028194*	*0.00311388*	*0.00002799*
Conc Mean	0.01861026[mg/l]	0.07379452[mg/l]	41.80552600[mg/l]	3.13165890[mg/l]	2.31295010[mg/l]	0.24498215[mg/l]	0.00070093[mg/l]
Conc RSD	*0.91437592*	*1.47421971*	*0.96050840*	*1.31992759*	*3.77003892*	*0.98798557*	*30.77822153*
Conc SD	*0.00017017[mg/l]*	*0.00108789[mg/l]*	*0.40154559[mg/l]*	*0.04133563[mg/l]*	*0.08719912[mg/l]*	*0.00242039[mg/l]*	*0.00021573[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	48436.36200	11366.71500	82479.21700	5378.46430	4272.11950	5897.11460	6238.46660
Int RSD	*0.75070929*	*0.10801126*	*0.30422642*	*0.44069373*	*0.76374116*	*0.56489519*	*4.69443260*
Int SD	*363.61627000*	*12.27733200*	*250.92357000*	*23.70255500*	*32.62793500*	*33.31251700*	*292.86061000*
RelInt Mean	0.11814943	0.00281338	0.04928685	0.00017808	-0.00003078	0.00038229	0.01317075
RelInt RSD	*1.71267496*	*0.71331844*	*0.89026938*	*11.46507831*	*132.69053809*	*4.47049140*	*3.28326329*
RelInt SD	*0.00202352*	*0.00002007*	*0.00043879*	*0.00002042*	*0.00004084*	*0.00001709*	*0.00043243*
Conc Mean	5.50462410[mg/l]	0.02396417[mg/l]	1.53932530[mg/l]	0.01105413[mg/l]	<-0.00254262[mg/l]	0.00724005[mg/l]	0.01260472[mg/l]
Conc RSD	*1.77548434*	*0.75580159*	*0.88943507*	*9.71196462*	*112.32972897*	*4.50676710*	*3.23512539*
Conc SD	*0.09773374[mg/l]*	*0.00018112[mg/l]*	*0.01369130[mg/l]*	*0.00107357[mg/l]*	*0.00285612[mg/l]*	*0.00032629[mg/l]*	*0.00040778[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	247524	4961.44340	12346.66200	1540415	32352901	326750	251332
Int RSD	*2.35857351*	*0.29474979*	*0.55760870*	*0.63046245*	*0.45958234*	*0.71523651*	*0.33650809*
Int SD	*5838.02630*	*14.62384400*	*68.84606100*	*9711.73620*	*148688*	*2337.03810*	*845.75365000*
RelInt Mean	0.00613085	0.00017380	0.00005219	---	---	---	0.16091618
RelInt RSD	*3.18323233*	*13.15248531*	*4.91494513*	---	---	---	*0.76950068*
RelInt SD	*0.00019516*	*0.00002286*	*0.00000257*	---	---	---	*0.00123825*
Conc Mean	0.05983113[mg/l]	0.02447198[mg/l]	0.00448477[mg/l]	1531960	32282382	324544	0.59368182[mg/l]
Conc RSD	*3.18544732*	*11.34024271*	*10.80079205*	---	---	---	*0.77036993*
Conc SD	*0.00190589[mg/l]*	*0.00277518[mg/l]*	*0.00048439[mg/l]*	*9721.14300*	*148673*	*2293.76360*	*0.00457355[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	277.45448000	8011.36820	153239	15375.67400	6791.97220	52163.96300	
Int RSD	*11.71388690*	*3.13967082*	*0.62822036*	*0.29562194*	*1.26065813*	*0.19067678*	
Int SD	*32.50070400*	*251.53059000*	*962.67859000*	*45.45386500*	*85.62355000*	*99.46456500*	
RelInt Mean	-0.00022589	0.00070225	0.09558408	0.00683176	-0.00005096	0.03072704	
RelInt RSD	*74.09126823*	*17.13060598*	*1.21943220*	*0.41457614*	*128.69619251*	*0.60695131*	
RelInt SD	*0.00016737*	*0.00012030*	*0.00116558*	*0.00002832*	*0.00006558*	*0.00018650*	
Conc Mean	<0.00063655[mg/l]	<0.00222485[mg/l]	1.75264240[mg/l]	0.23734047[mg/l]	<-0.00037183[mg/l]	2.59489250[mg/l]	
Conc RSD	*97.99941934*	*55.01453044*	*1.22491085*	*0.42705401*	*69.95118409*	*0.60688464*	
Conc SD	*0.00062382[mg/l]*	*0.00122399[mg/l]*	*0.02146831[mg/l]*	*0.00101357[mg/l]*	*0.00026010[mg/l]*	*0.01574800[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 464785-005	Client ID	: DOOR-N-0.4GW-EXT-6 TO 7-220623-L-CB
Seqnum	: 482252582204	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 291864	Time	: 24-JUN-2022 22:34
Cal	: 482252582001	Caldate	: 24-JUN-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.679	170	1.0	0.035	!<a- u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1559261	1550999	-0.53

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 464785-005,291864			Sample Type: Unknown Sample
Measure Date: 2022-06-24 22:34:19	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	46953.21200	5521.20570	4500.43640	8389.99230	11547.08100	57737.51600	7766.04070
Int RSD	*0.65306203*	*2.16316719*	*0.95534262*	*0.56780655*	*0.54541859*	*0.83603361*	*0.44611259*
Int SD	*306.63360000*	*119.43291000*	*42.99458700*	*47.63892600*	*62.97992600*	*482.70504000*	*34.64528500*
RelInt Mean	0.00003100	0.00963751	0.00000728	0.00127834	0.00298621	0.17681028	0.00075718
RelInt RSD	*14.56298189*	*2.42468646*	*139.63618635*	*1.31889362*	*0.85268187*	*1.25147429*	*1.70451191*
RelInt SD	*0.00000452*	*0.00023368*	*0.00001017*	*0.00001686*	*0.00002546*	*0.00221274*	*0.00001291*
Conc Mean	<0.00003713[mg/l]	0.91429337[mg/l]	0.00260566[mg/l]	0.01773360[mg/l]	0.00928242[mg/l]	11.53928500[mg/l]	0.00438267[mg/l]
Conc RSD	*557.11036333*	*2.53590322*	*23.40045702*	*1.45872178*	*0.87344489*	*1.27112685*	*2.13933390*
Conc SD	*0.00020685[mg/l]*	*0.02318560[mg/l]*	*0.00060974[mg/l]*	*0.00025868[mg/l]*	*0.00008108[mg/l]*	*0.14667895[mg/l]*	*0.00009376[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	8175.81270	163400	9383993	2187.27800	5297.65760	291098	4742.96750
Int RSD	*0.54590743*	*0.53422058*	*0.47457273*	*5.63358933*	*3.26350555*	*0.95571698*	*0.60509200*
Int SD	*44.63236900*	*872.91675000*	*44533.87000*	*123.22226000*	*172.88935000*	*2782.07100*	*28.69931700*
RelInt Mean	0.00135239	0.00376987	6.07766240	0.00535854	0.00784475	0.18374752	0.00005697
RelInt RSD	*1.49382837*	*0.46733109*	*0.04727857*	*4.78552368*	*6.09627473*	*0.55917092*	*47.30368017*
RelInt SD	*0.00002020*	*0.00001762*	*0.00287343*	*0.00025643*	*0.00047824*	*0.00102746*	*0.00002695*
Conc Mean	0.01006911[mg/l]	0.12621027[mg/l]	24.15692900[mg/l]	4.36748310[mg/l]	2.41200300[mg/l]	0.14274862[mg/l]	<0.00040563[mg/l]
Conc RSD	*1.58127771*	*0.48763039*	*0.04728306*	*4.91552308*	*6.13231493*	*0.55947012*	*51.20994542*
Conc SD	*0.00015922[mg/l]*	*0.00061544[mg/l]*	*0.01142214[mg/l]*	*0.21468464[mg/l]*	*0.14791162[mg/l]*	*0.00079864[mg/l]*	*0.00020772[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	47907.81100	14896.32900	89875.73400	5174.82910	4174.90450	6147.82050	6566.89020
Int RSD	*0.18581094*	*0.31010456*	*0.56675994*	*0.22424182*	*0.86600050*	*0.73475003*	*0.68848087*
Int SD	*89.01795600*	*46.19419600*	*509.37966000*	*11.60413100*	*36.15469400*	*45.17111300*	*45.21178300*
RelInt Mean	0.11699649	0.00511685	0.05377014	0.00008762	-0.00003350	0.00068331	0.01412757
RelInt RSD	*1.33745346*	*0.27328065*	*0.50363616*	*32.16175874*	*61.30966933*	*5.03607551*	*2.96801494*
RelInt SD	*0.00156477*	*0.00001398*	*0.00027081*	*0.00002818*	*0.00002054*	*0.00003441*	*0.00041931*
Conc Mean	5.44893820[mg/l]	0.04475355[mg/l]	1.67931800[mg/l]	0.00635091[mg/l]	<-0.00273275[mg/l]	0.01298713[mg/l]	0.01350699[mg/l]
Conc RSD	*1.38700109*	*0.28199556*	*0.50370735*	*23.32092072*	*52.55649039*	*5.05885952*	*2.92740526*
Conc SD	*0.07557683[mg/l]*	*0.00012620[mg/l]*	*0.00845885[mg/l]*	*0.00148109[mg/l]*	*0.00143624[mg/l]*	*0.00065700[mg/l]*	*0.00039540[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	244902	4786.98920	11940.07200	1550999	32387767	326707	295037
Int RSD	*13.82945314*	*0.45161514*	*0.63543169*	*0.44748910*	*0.35479263*	*0.78829277*	*0.31172479*
Int SD	*33868.57000*	*21.61876800*	*75.87100100*	*6940.54960*	*114909*	*2575.40930*	*919.70207000*
RelInt Mean	0.00603513	0.00013930	0.00004224	---	---	---	0.18814697
RelInt RSD	*17.87271933*	*29.84427228*	*7.71047075*	---	---	---	*0.66092901*
RelInt SD	*0.00107864*	*0.00004157*	*0.00000326*	---	---	---	*0.00124352*
Conc Mean	0.05889635[mg/l]	0.02029270[mg/l]	0.00260594[mg/l]	1542675	32316903	324526	0.69426497[mg/l]
Conc RSD	*17.88535361*	*24.75638525*	*23.60516988*	---	---	---	*0.66155488*
Conc SD	*0.01053382[mg/l]*	*0.00502374[mg/l]*	*0.00061514[mg/l]*	*6970.59570*	*115398*	*2540.80340*	*0.00459294[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	293.01376000	7902.86590	146399	14394.24900	6765.51780	67102.81400	
Int RSD	*26.65196952*	*2.91981001*	*0.51172782*	*1.17421590*	*0.88539804*	*0.58684159*	
Int SD	*78.09393800*	*230.74867000*	*749.16185000*	*169.01956000*	*59.90176200*	*393.78722000*	
RelInt Mean	-0.00013066	0.00069918	0.09057348	0.00626374	0.00004076	0.04025936	
RelInt RSD	*199.00825608*	*46.88529526*	*0.50600311*	*1.65260040*	*82.15347630*	*0.83099563*	
RelInt SD	*0.00026002*	*0.00032781*	*0.00045830*	*0.00010351*	*0.00003348*	*0.00033455*	
Conc Mean	<0.00099151[mg/l]	<0.00219368[mg/l]	1.66036580[mg/l]	0.21701326[mg/l]	<-0.00000748[mg/l]	3.39980640[mg/l]	
Conc RSD	*97.74631224*	*152.04408043*	*0.50845447*	*1.70700634*	*1772.77568*	*0.83092514*	
Conc SD	*0.00096917[mg/l]*	*0.00333536[mg/l]*	*0.00844220[mg/l]*	*0.00370443[mg/l]*	*0.00013263[mg/l]*	*0.02824985[mg/l]*	

ENTHALPY BLANK USER REPORT FOR 464785 METALS Wipe
EPA 6010B

Inst : MET06 Lab ID : QC996928
Seqnum : 482252582194.4 Matrix : Wipe
File : met06_master Batch : 291864 Time : 24-JUN-2022 22:01
Cal : 482252582001 Caldate : 24-JUN-2022
IDF : 1.0 Raw Units : mg/l Units : ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Flags
Lead	A	0.0003544	ND	1.0	!<a- u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	1559261	1585097	1.66

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BLANK,QC996928,291864			Sample Type: Unknown Sample
Measure Date: 2022-06-24 22:01:50	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	48417.75300	2515.29870	3353.29630	9131.49060	7281.95730	1811.51330	6603.57580
Int RSD	*0.72958109*	*6.01926642*	*0.38841575*	*0.71479959*	*0.41074244*	*7.12822589*	*0.26594343*
Int SD	*353.24677000*	*151.40253000*	*13.02473100*	*65.27185700*	*29.91008900*	*129.12876000*	*17.56177600*
RelInt Mean	0.00003708	0.00109166	-0.00009978	0.00176039	0.00024309	0.00431354	-0.00001804
RelInt RSD	*3.82062487*	*27.69957214*	*3.71401730*	*1.75573659*	*21.17605054*	*5.54515080*	*50.13917463*
RelInt SD	*0.00000142*	*0.00030239*	*0.00000371*	*0.00003091*	*0.00005148*	*0.00023919*	*0.00000905*
Conc Mean	<0.00031544[mg/l]	0.06637678[mg/l]	<-0.00380770[mg/l]	0.02512970[mg/l]	0.00048229[mg/l]	0.10475509[mg/l]	<-0.00014285[mg/l]
Conc RSD	*20.57509747*	*45.20038211*	*5.83539066*	*1.88709385*	*34.25683900*	*15.13594900*	*34.53701096*
Conc SD	*0.00006490[mg/l]*	*0.03000256[mg/l]*	*0.00022219[mg/l]*	*0.00047422[mg/l]*	*0.00016522[mg/l]*	*0.01585568[mg/l]*	*0.00004934[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6417.88960	48252.34900	36451.09000	593.47583000	2928.70850	11080.70300	4360.75040
Int RSD	*0.14760832*	*0.64767006*	*15.85295447*	*12.04454662*	*3.67044006*	*3.64456136*	*0.29529216*
Int SD	*9.47333900*	*312.51602000*	*5778.57470*	*71.48147300*	*107.49649000*	*403.84302000*	*12.87695400*
RelInt Mean	0.00019486	0.00018385	0.01830137	0.00015970	-0.00009152	0.00232876	0.00004599
RelInt RSD	*7.27656788*	*2.17445891*	*20.28263083*	*140.80979428*	*283.53991966*	*12.15095473*	*19.99919728*
RelInt SD	*0.00001418*	*0.00000400*	*0.00371200*	*0.00022488*	*0.00025950*	*0.00028297*	*0.00000920*
Conc Mean	0.00094630[mg/l]	0.00094053[mg/l]	0.07110024[mg/l]	<0.01505958[mg/l]	<-0.04256537[mg/l]	0.00173355[mg/l]	<0.00032101[mg/l]
Conc RSD	*11.80892598*	*14.84832504*	*20.75254991*	*1250.14507*	*188.55474170*	*12.68772431*	*22.08600223*
Conc SD	*0.00011175[mg/l]*	*0.00013965[mg/l]*	*0.01475511[mg/l]*	*0.18826666[mg/l]*	*0.08025903[mg/l]*	*0.00021995[mg/l]*	*0.00007090[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	13273.84600	7346.52310	6855.32360	4869.24940	3719.65680	3446.59670	2104.96080
Int RSD	*1.09053149*	*0.35007533*	*0.50266695*	*0.53883482*	*0.55509551*	*0.38061268*	*3.32673012*
Int SD	*144.75547000*	*25.71836500*	*34.45944600*	*26.23721100*	*20.64764800*	*13.11818400*	*70.02636500*
RelInt Mean	0.00909264	0.00022305	-0.00000704	0.00004501	0.00003132	0.00003465	-0.00018504
RelInt RSD	*5.07555040*	*5.35508106*	*338.22995902*	*24.05179657*	*23.44233919*	*44.92432261*	*112.59157010*
RelInt SD	*0.00046150*	*0.00001194*	*0.00002380*	*0.00001083*	*0.00000734*	*0.00001556*	*0.00020834*
Conc Mean	0.23729070[mg/l]	0.00058595[mg/l]	<0.00035438[mg/l]	0.00416544[mg/l]	<0.00179970[mg/l]	<0.00060272[mg/l]	<0.00001033[mg/l]
Conc RSD	*9.39356494*	*18.39785794*	*208.14288886*	*13.65119003*	*28.52438117*	*49.30325141*	*1902.08339*
Conc SD	*0.02229006[mg/l]*	*0.00010780[mg/l]*	*0.00073762[mg/l]*	*0.00056863[mg/l]*	*0.00051335[mg/l]*	*0.00029716[mg/l]*	*0.00019646[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	72437.22500	3504.52310	11674.06800	1585097	32889022	328111	5172.05210
Int RSD	*12.55024388*	*0.09043117*	*2.25051482*	*0.24747178*	*0.80626387*	*0.54313112*	*0.62786200*
Int SD	*9091.04840*	*3.16918130*	*262.72663000*	*3922.66750*	*265172*	*1782.07040*	*32.47335000*
RelInt Mean	0.00064778	-0.00005798	0.00002580	---	---	---	0.00037748
RelInt RSD	*45.16832138*	*25.00455234*	*13.31311349*	---	---	---	*2.92155543*
RelInt SD	*0.00029259*	*0.00001450*	*0.00000343*	---	---	---	*0.00001103*
Conc Mean	0.00628448[mg/l]	<-0.00348832[mg/l]	<-0.00049976[mg/l]	1576768	32817117	325779	0.00072976[mg/l]
Conc RSD	*45.46753562*	*50.16931499*	*129.78769592*	---	---	---	*5.58169989*
Conc SD	*0.00285740[mg/l]*	*0.00175007[mg/l]*	*0.00064863[mg/l]*	*3939.10920*	*264977*	*1743.97950*	*0.00004073[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	382.24532000	8329.02560	8752.87970	3983.99510	6775.55580	4515.45270	
Int RSD	*22.57028994*	*1.76619616*	*0.36994243*	*1.11645599*	*0.76247132*	*0.58734924*	
Int SD	*86.27387700*	*147.10693000*	*32.38061600*	*44.47955200*	*51.66167000*	*26.52147700*	
RelInt Mean	-0.00003696	0.00077952	0.00129690	0.00035215	0.00010058	0.00022008	
RelInt RSD	*732.52445795*	*60.06898977*	*2.23930998*	*6.94477315*	*30.80341537*	*6.92397530*	
RelInt SD	*0.00027074*	*0.00046825*	*0.00002904*	*0.00002446*	*0.00003098*	*0.00001524*	
Conc Mean	<0.00134075[mg/l]	<0.00301102[mg/l]	0.01610880[mg/l]	<0.00545778[mg/l]	<0.00025669[mg/l]	0.01887101[mg/l]	
Conc RSD	*75.26678504*	*158.22551877*	*3.31358137*	*16.03582825*	*48.68025367*	*6.81853505*	
Conc SD	*0.00100914[mg/l]*	*0.00476420[mg/l]*	*0.00053378[mg/l]*	*0.00087520[mg/l]*	*0.00012496[mg/l]*	*0.00128673[mg/l]*	

ENTHALPY SPIKE USER REPORT FOR 464785 METALS Wipe
EPA 6010B

Type : BS
Inst : MET06
Seqnum : 482252582195.4
File : met06_master
IDF : 1.0
Lab ID : QC996929
Matrix : Wipe
Batch : 291864
Time : 24-JUN-2022 22:05
Cal : 482252582001
Units : ug/ft2

Type : BSD
Inst : MET06
Seqnum : 482252582196.4
File : met06_master
IDF : 1.0
Lab ID : QC996930
Matrix : Wipe
Batch : 291864
Time : 24-JUN-2022 22:08
Cal : 482252582001

BS: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF
BSD: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Lead	100.0	1.034	103.4	A	103	1.043	104.3	A	104	80-120	1	20	!<a- u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	1559261	1567142	0.51

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	1559261	1580252	1.35

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BS,QC996929,291864			Sample Type: Unknown Sample
Measure Date: 2022-06-24 22:05:04	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	389433	5824.09080	28759.11600	103052	503019	7011.40180	280571
Int RSD	*0.74636755*	*5.56366326*	*1.07649185*	*0.24681157*	*0.16413263*	*2.79763114*	*0.37616792*
Int SD	*2906.60290*	*324.03280000*	*309.58954000*	*254.34517000*	*825.61812000*	*196.15316000*	*1055.41660*
RelInt Mean	0.01046700	0.01103456	0.01613451	0.06193865	0.31810002	0.02060406	0.17552857
RelInt RSD	*0.73155485*	*7.66859083*	*1.93612854*	*0.80340727*	*0.87792365*	*4.65161808*	*0.73805717*
RelInt SD	*0.00007657*	*0.00084620*	*0.00031238*	*0.00049762*	*0.00279268*	*0.00095842*	*0.00129550*
Conc Mean	0.47814444[mg/l]	1.05290780[mg/l]	0.96899683[mg/l]	0.94844736[mg/l]	1.01651420[mg/l]	1.18462700[mg/l]	1.04338380[mg/l]
Conc RSD	*0.73366828*	*7.97403353*	*1.93281964*	*0.80499956*	*0.87798632*	*5.36305968*	*0.73901102*
Conc SD	*0.00350799[mg/l]*	*0.08395922[mg/l]*	*0.01872896[mg/l]*	*0.00763500[mg/l]*	*0.00892486[mg/l]*	*0.06353225[mg/l]*	*0.00771072[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	203677	949824	427468	4488.54610	4105.78310	2051401	209550
Int RSD	*0.10955642*	*1.12123771*	*0.27681129*	*2.15712754*	*3.64850934*	*0.74443857*	*0.14052936*
Int SD	*223.14080000*	*10649.78700*	*1183.28080*	*96.82366400*	*149.79988000*	*15271.42100*	*294.47907000*
RelInt Mean	0.12647608	0.02783174	0.26924181	0.01214654	0.00368073	1.31106620	0.13155402
RelInt RSD	*0.92278999*	*0.94353691*	*0.83038303*	*1.76811730*	*11.26735654*	*0.29761031*	*0.94152182*
RelInt SD	*0.00116711*	*0.00026260*	*0.00223574*	*0.00021477*	*0.00041472*	*0.00390187*	*0.00123861*
Conc Mean	0.99620167[mg/l]	0.96675972[mg/l]	1.06858310[mg/l]	10.05035200[mg/l]	1.12413490[mg/l]	1.01900270[mg/l]	1.01396500[mg/l]
Conc RSD	*0.92333625*	*0.94888709*	*0.83166456*	*1.78898938*	*11.41028003*	*0.29763281*	*0.94155734*
Conc SD	*0.00919829[mg/l]*	*0.00917346[mg/l]*	*0.00888703[mg/l]*	*0.17979973[mg/l]*	*0.12826694[mg/l]*	*0.00303289[mg/l]*	*0.00954706[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	21243.85000	187070	58700.98100	33537.07600	21337.69200	3606.22890	345809
Int RSD	*0.96573639*	*0.51746785*	*0.41980149*	*0.47871988*	*0.10777816*	*1.08298184*	*0.42308958*
Int SD	*205.15959000*	*968.02731000*	*246.42759000*	*160.54865000*	*22.99737100*	*39.05480400*	*1463.08340*
RelInt Mean	0.03346935	0.11529631	0.03309396	0.01831915	0.01126091	0.00006461	1.05726620
RelInt RSD	*1.27277456*	*0.77243035*	*0.91357040*	*0.60078055*	*1.01554608*	*19.31973238*	*0.60414995*
RelInt SD	*0.00042599*	*0.00089058*	*0.00030234*	*0.00011006*	*0.00011436*	*0.00001248*	*0.00638747*
Conc Mean	1.41466120[mg/l]	1.03914660[mg/l]	1.03369950[mg/l]	0.95857254[mg/l]	0.78708159[mg/l]	0.00117487[mg/l]	0.99717737[mg/l]
Conc RSD	*1.45439961*	*0.77349468*	*0.91351626*	*0.59817692*	*1.01604981*	*20.28581331*	*0.60403503*
Conc SD	*0.02057483[mg/l]*	*0.00803774[mg/l]*	*0.00944301[mg/l]*	*0.00573396[mg/l]*	*0.00799714[mg/l]*	*0.00023833[mg/l]*	*0.00602330[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3401465	16147.92000	179480	1567142	32560508	327312	429631
Int RSD	*0.60185742*	*0.43182298*	*1.26861570*	*1.03520587*	*0.44661343*	*0.86728222*	*0.20139789*
Int SD	*20471.96700*	*69.73042900*	*2276.91210*	*16223.14500*	*145420*	*2838.72060*	*865.26764000*
RelInt Mean	0.10293633	0.00792629	0.00517309	---	---	---	0.27252322
RelInt RSD	*0.52434554*	*0.71579618*	*1.12552734*	---	---	---	*0.91794740*
RelInt SD	*0.00053974*	*0.00005674*	*0.00005822*	---	---	---	*0.00250162*
Conc Mean	1.00521530[mg/l]	0.95918040[mg/l]	0.97123508[mg/l]	1558645	32488081	325001	1.00541670[mg/l]
Conc RSD	*0.52436309*	*0.71515174*	*1.13223237*	---	---	---	*0.91855653*
Conc SD	*0.00527098[mg/l]*	*0.00685960[mg/l]*	*0.01099664[mg/l]*	*16198.87700*	*145128*	*2925.34220*	*0.00923532[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	87929.60400	41641.62600	362335	4344.99500	375045	4722.26900	
Int RSD	*0.64692883*	*0.52664212*	*0.08819963*	*3.07843553*	*0.05491076*	*0.73485443*	
Int SD	*568.84196000*	*219.30234000*	*319.57772000*	*133.75787000*	*205.93987000*	*34.70180300*	
RelInt Mean	0.26924807	0.10280123	0.22791819	0.00050444	0.23597365	0.00029901	
RelInt RSD	*0.44642552*	*1.21395328*	*0.95839297*	*19.52708519*	*1.01047002*	*4.43368379*	
RelInt SD	*0.00120199*	*0.00124796*	*0.00218435*	*0.00009850*	*0.00238444*	*0.00001326*	
Conc Mean	1.00504430[mg/l]	1.04103520[mg/l]	4.16711220[mg/l]	0.01090775[mg/l]	0.94623728[mg/l]	0.02553583[mg/l]	
Conc RSD	*0.44576791*	*1.21969344*	*0.96027978*	*32.31719353*	*1.00807196*	*4.38378976*	
Conc SD	*0.00448017[mg/l]*	*0.01269744[mg/l]*	*0.04001594[mg/l]*	*0.00352508[mg/l]*	*0.00953875[mg/l]*	*0.00111944[mg/l]*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BSD,QC996930,291864			Sample Type: Unknown Sample
Measure Date: 2022-06-24 22:08:19	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	397615	5986.43290	29117.33800	104717	513833	7259.96680	284782
Int RSD	*0.54910030*	*3.44710621*	*0.38660622*	*0.28392356*	*0.05394937*	*1.87426463*	*0.20444146*
Int SD	*2183.30720*	*206.35870000*	*112.56944000*	*297.31533000*	*277.20944000*	*136.07099000*	*582.21325000*
RelInt Mean	0.01066350	0.01136509	0.01622484	0.06248594	0.32232093	0.02130930	0.17672110
RelInt RSD	*0.35380710*	*5.59191204*	*0.48483597*	*0.23125095*	*0.28898385*	*4.30784781*	*0.47423283*
RelInt SD	*0.00003773*	*0.00063553*	*0.00007866*	*0.00014450*	*0.00093146*	*0.00091797*	*0.00083807*
Conc Mean	0.48714663[mg/l]	1.08570340[mg/l]	0.97440652[mg/l]	0.95684445[mg/l]	1.03002210[mg/l]	1.23137610[mg/l]	1.05045900[mg/l]
Conc RSD	*0.35481311*	*5.80790711*	*0.48393518*	*0.23170546*	*0.28831873*	*4.94170002*	*0.47467932*
Conc SD	*0.00172846[mg/l]*	*0.06305664[mg/l]*	*0.00471550[mg/l]*	*0.00221706[mg/l]*	*0.00296975[mg/l]*	*0.06085091[mg/l]*	*0.00498631[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	207135	965251	428772	4518.67000	4151.41780	2087587	213119
Int RSD	*0.26449893*	*0.95599968*	*0.22390067*	*1.81484813*	*2.68616736*	*0.30096110*	*0.15536291*
Int SD	*547.87002000*	*9227.79870*	*960.02304000*	*82.00699800*	*111.51403000*	*6282.82510*	*331.10765000*
RelInt Mean	0.12762970	0.02815876	0.26783063	0.01236426	0.00366335	1.32310490	0.13274376
RelInt RSD	*0.59110425*	*0.49241428*	*0.51184161*	*2.77464318*	*4.93129027*	*0.21938107*	*0.49524505*
RelInt SD	*0.00075442*	*0.00013866*	*0.00137087*	*0.00034306*	*0.00018065*	*0.00290264*	*0.00065741*
Conc Mean	1.00529370[mg/l]	0.97818346[mg/l]	1.06297370[mg/l]	10.23262600[mg/l]	1.11876020[mg/l]	1.02836020[mg/l]	1.02313530[mg/l]
Conc RSD	*0.59145170*	*0.49517339*	*0.51263283*	*2.80681372*	*4.99414477*	*0.21940104*	*0.49526359*
Conc SD	*0.00594583[mg/l]*	*0.00484370[mg/l]*	*0.00544915[mg/l]*	*0.28721075[mg/l]*	*0.05587250[mg/l]*	*0.00225623[mg/l]*	*0.00506722[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	20880.39900	190297	59554.66500	34072.90800	21585.38000	3559.47320	351409
Int RSD	*1.49609555*	*0.20645399*	*0.48516732*	*0.63145784*	*0.14797471*	*0.10797723*	*0.78844133*
Int SD	*312.39072000*	*392.87478000*	*288.93977000*	*215.15605000*	*31.94090300*	*3.84342050*	*2770.65230*
RelInt Mean	0.03265346	0.11639579	0.03338093	0.01851930	0.01134475	0.00004243	1.07677290
RelInt RSD	*2.55148825*	*0.49232488*	*0.19657993*	*0.53923684*	*0.36430464*	*12.56612058*	*0.48488507*
RelInt SD	*0.00083315*	*0.00057305*	*0.00006562*	*0.00009986*	*0.00004133*	*0.00000533*	*0.00522111*
Conc Mean	1.37525450[mg/l]	1.04906960[mg/l]	1.04265310[mg/l]	0.96903636[mg/l]	0.79294465[mg/l]	<0.00075137[mg/l]	1.01557210[mg/l]
Conc RSD	*2.92602387*	*0.49299393*	*0.19767093*	*0.54272286*	*0.36448168*	*13.54865776*	*0.48479758*
Conc SD	*0.04024027[mg/l]*	*0.00517185[mg/l]*	*0.00206102[mg/l]*	*0.00525918[mg/l]*	*0.00289014[mg/l]*	*0.00010180[mg/l]*	*0.00492347[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3468360	16379.87500	182259	1580252	32728818	326591	436859
Int RSD	*0.91298668*	*0.37376633*	*0.96910023*	*0.33823809*	*0.48271160*	*1.16160936*	*0.25575580*
Int SD	*31665.66200*	*61.22245700*	*1766.27230*	*5345.01310*	*157986*	*3793.71640*	*1117.29140*
RelInt Mean	0.10444961	0.00800046	0.00523124	---	---	---	0.27484080
RelInt RSD	*0.44600389*	*0.32300879*	*0.55806027*	---	---	---	*0.58725604*
RelInt SD	*0.00046585*	*0.00002584*	*0.00002919*	---	---	---	*0.00161402*
Conc Mean	1.01999380[mg/l]	0.96810990[mg/l]	0.98221373[mg/l]	1571804	32655859	324275	1.01397230[mg/l]
Conc RSD	*0.44602413*	*0.32504727*	*0.56124525*	---	---	---	*0.58764377*
Conc SD	*0.00454942[mg/l]*	*0.00314681[mg/l]*	*0.00551263[mg/l]*	*5369.23110*	*158012*	*3834.56260*	*0.00595855[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	89837.28900	42069.38000	346946	4296.48820	382981	4681.70510	
Int RSD	*0.50789019*	*0.86791674*	*0.28855052*	*2.42833461*	*0.36307413*	*0.81494454*	
Int SD	*456.27478000*	*365.12719000*	*1001.11410*	*104.33311000*	*1390.50550*	*38.15330000*	
RelInt Mean	0.27557363	0.10448828	0.21621802	0.00048776	0.23907811	0.00027558	
RelInt RSD	*1.57613477*	*1.41165382*	*0.58343356*	*10.96208992*	*0.70694352*	*7.06261618*	
RelInt SD	*0.00434341*	*0.00147501*	*0.00126149*	*0.00005347*	*0.00169015*	*0.00001946*	
Conc Mean	1.02862160[mg/l]	1.05820010[mg/l]	3.95141700[mg/l]	0.01031074[mg/l]	0.95871476[mg/l]	0.02355730[mg/l]	
Conc RSD	*1.57386730*	*1.41821826*	*0.58525035*	*18.55792463*	*0.70887750*	*6.97646148*	
Conc SD	*0.01618914[mg/l]*	*0.01500759[mg/l]*	*0.02312568[mg/l]*	*0.00191346[mg/l]*	*0.00679611[mg/l]*	*0.00164347[mg/l]*	

ENTHALPY INITIAL CALIBRATION FOR 464785 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	482252582001	Date:	24-JUN-2022 09:46
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master	482252582003	L1	24-JUN-2022 09:49	S16950, S13369 (100X)
L2	met06_master	482252582004	L2	24-JUN-2022 09:52	S16949, S13369 (100X)
L3	met06_master	482252582005	L3	24-JUN-2022 09:55	S16948, S13369 (100X)
L4	met06_master	482252582006	L4	24-JUN-2022 09:59	S16947, S13369 (100X)

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	0.0290	0.0337	0.0339	0.0320	WB1K	5.85E-4	31.2250		0.0322	1.000		5	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
WB1K: Linear regression with ICALBLK weighting factor of 1000

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D
Lead	A	0.0033	8	0.1000	6	1.0000	6	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 464785 METALS Wipe
EPA 6010B

Inst : MET06
Calnum : 482252582001 Cal Date : 24-JUN-2022

ICV 482252582011 (24-JUN-2022) stds: S16870, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	0.9799	mg/l	-2	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICALBLK,CALBLANK			Sample Type: Calibration Sample
Measure Date: 2022-06-24 09:46:04	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	45824.58100	2230.08090	3276.58720	6273.29030	6771.76400	1256.29590	6382.26140
Int RSD	*0.21138546*	*1.24213184*	*0.22920960*	*0.02379887*	*0.23455218*	*6.18779501*	*0.30603447*
Int SD	*96.86650000*	*27.70054500*	*7.51025230*	*1.49297190*	*15.88332000*	*77.73701500*	*19.53192000*
RelInt Mean	0.00003019	0.00042180	-0.00003669	0.00012305	0.00008130	0.00272627	0.00000002
RelInt RSD	*23.30580017*	*55.96764773*	*54.43159496*	*14.89362878*	*12.38103382*	*6.08818475*	*119317*
RelInt SD	*0.00000704*	*0.00023607*	*0.00001997*	*0.00001833*	*0.00001007*	*0.00016598*	*0.00001815*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	5895.09530	45221.06600	7874.86440	494.22825000	2768.15770	7132.68060	4053.26790
Int RSD	*0.33111751*	*0.31609671*	*0.28465853*	*5.47234259*	*4.18289789*	*0.43853451*	*0.40007822*
Int SD	*19.51969300*	*142.94230000*	*22.41647300*	*27.04586300*	*115.78921000*	*31.27926600*	*16.21624200*
RelInt Mean	0.00006865	0.00015687	0.00038767	0.00014172	0.00004402	0.00002032	0.00000288
RelInt RSD	*28.75798372*	*2.67369302*	*7.91028429*	*48.84780832*	*325.52993120*	*84.56560691*	*281.17797833*
RelInt SD	*0.00001974*	*0.00000419*	*0.00003067*	*0.00006922*	*0.00014331*	*0.00001719*	*0.00000810*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	11083.21400	6985.80830	6566.63760	4574.53160	3480.91480	3241.59610	1923.24250
Int RSD	*1.62142768*	*0.39157401*	*0.31556567*	*0.49896147*	*0.56389053*	*0.79815767*	*5.45307053*
Int SD	*179.70630000*	*27.35461000*	*20.72205400*	*22.82515000*	*19.62854900*	*25.87304800*	*104.87577000*
RelInt Mean	0.00413463	0.00015246	-0.00002063	-0.00003486	0.00000547	0.00000170	-0.00020323
RelInt RSD	*9.66598890*	*6.07913370*	*147.86792665*	*75.17038827*	*117.93916959*	*1012.27298*	*78.13413180*
RelInt SD	*0.00039965*	*0.00000927*	*0.00003050*	*0.00002621*	*0.00000645*	*0.00001721*	*0.00015879*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	48516.40400	3237.95910	10951.66900	1559261	33514014	337694	4654.38640
Int RSD	*0.58605180*	*0.40099077*	*1.03062812*	*0.36393185*	*0.11731362*	*0.55432956*	*0.90342888*
Int SD	*284.33126000*	*12.98391700*	*112.87098000*	*5674.64880*	*39316.50300*	*1871.93490*	*42.04907100*
RelInt Mean	0.00000438	-0.00003135	0.00002843	---	---	---	0.00017939
RelInt RSD	*110.36122492*	*40.96934563*	*8.23186213*	---	---	---	*20.78471554*
RelInt SD	*0.00000483*	*0.00001284*	*0.00000234*	---	---	---	*0.00003729*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	218.67345000	7681.81310	7057.63190	3687.46410	6446.91680	4131.86080	
Int RSD	*43.45609355*	*0.21152544*	*0.82968017*	*2.95712818*	*0.82677980*	*0.25968014*	
Int SD	*95.02693900*	*16.24898900*	*58.55577200*	*109.04304000*	*53.30180600*	*10.72962200*	
RelInt Mean	-0.00039831	0.00047941	0.00042186	0.00019964	0.00003694	-0.00000340	
RelInt RSD	*107.56083378*	*65.87050244*	*7.72160232*	*34.23332870*	*96.86417898*	*171.87486382*	
RelInt SD	*0.00042842*	*0.00031579*	*0.00003257*	*0.00006834*	*0.00003578*	*0.00000585*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L1,S16950				Sample Type: Calibration Sample	
Measure Date: 2022-06-24 09:49:22	Recalculation Date:		State: Measured	Quality:	

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	46528.55200	2242.15380	3371.59170	6630.91410	8543.11140	1711.51390	6898.04060
Int RSD	*1.02237224*	*3.58481216*	*0.67562433*	*0.43255751*	*0.40182196*	*5.69927156*	*0.81745438*
Int SD	*475.69500000*	*80.37700200*	*22.77929400*	*28.68251700*	*34.32809800*	*97.54382500*	*56.38833500*
RelInt Mean	0.00003295	0.00073579	0.00002146	0.00034819	0.00120666	0.00411515	0.00030999
RelInt RSD	*20.76636910*	*13.72708094*	*66.21275454*	*5.44792314*	*0.81311951*	*5.32760027*	*13.47946617*
RelInt SD	*0.00000684*	*0.00010100*	*0.00001421*	*0.00001897*	*0.00000981*	*0.00021924*	*0.00004179*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6647.41670	48835.52500	10868.21200	722.21719000	2781.34570	14255.44700	4835.85090
Int RSD	*0.39722344*	*0.68664150*	*0.31824340*	*18.29774642*	*3.70691425*	*0.73088504*	*0.72010837*
Int SD	*26.40509700*	*335.32498000*	*34.58736700*	*132.14947000*	*103.10210000*	*104.19093000*	*34.82336700*
RelInt Mean	0.00051481	0.00024825	0.00229482	0.00094946	0.00010892	0.00461357	0.00048135
RelInt RSD	*4.14931984*	*2.53790618*	*1.81077077*	*17.42430901*	*120.61811942*	*1.16273950*	*6.10737180*
RelInt SD	*0.00002136*	*0.00000630*	*0.00004155*	*0.00016544*	*0.00013138*	*0.00005364*	*0.00002940*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	15517.22300	7645.29760	6779.68570	4919.14310	3708.97520	3558.70280	8273.88610
Int RSD	*1.32542659*	*0.12443497*	*0.47771486*	*1.06721404*	*0.12586843*	*0.45794220*	*3.70279281*
Int SD	*205.66940000*	*9.51342340*	*32.38756600*	*52.49778600*	*4.66842890*	*16.29680200*	*306.36486000*
RelInt Mean	0.01739690	0.00054561	0.00009667	0.00018135	0.00013904	0.00019027	0.01863322
RelInt RSD	*1.84202866*	*0.55182756*	*7.96973875*	*17.33624834*	*9.78695964*	*12.03217352*	*3.79909168*
RelInt SD	*0.00032046*	*0.00000301*	*0.00000770*	*0.00003144*	*0.00001361*	*0.00002289*	*0.00070789*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	60734.14800	3404.74830	11357.44200	1551235	33424926	341132	9338.26330
Int RSD	*0.74009139*	*0.25406247*	*1.49486601*	*0.36567130*	*0.21051171*	*0.11083417*	*0.31821124*
Int SD	*449.48820000*	*8.65018770*	*169.77854000*	*5672.41980*	*70363.38400*	*378.09078000*	*29.71540300*
RelInt Mean	0.00035298	0.00006058	0.00003312	---	---	---	0.00320884
RelInt RSD	*1.15786726*	*12.56794590*	*7.80641288*	---	---	---	*0.55281918*
RelInt SD	*0.00000409*	*0.00000761*	*0.00000259*	---	---	---	*0.00001774*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	386.69271000	7751.44640	15225.57100	49263.90000	7175.19560	23350.43600	
Int RSD	*10.18673173*	*4.78209989*	*0.49553070*	*0.16412680*	*0.36648627*	*0.36905286*	
Int SD	*39.39134900*	*370.68191000*	*75.44737900*	*80.85526400*	*26.29610700*	*86.17545100*	
RelInt Mean	0.00019100	0.00098676	0.00569491	0.02970356	0.00048860	0.01242905	
RelInt RSD	*85.54319341*	*24.54459950*	*1.22798051*	*0.25886226*	*5.11822960*	*0.45931567*	
RelInt SD	*0.00016339*	*0.00024220*	*0.00006993*	*0.00007689*	*0.00002501*	*0.00005709*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L2,S16949			Sample Type: Calibration Sample
Measure Date: 2022-06-24 09:52:38	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	46898.65200	2940.25230	5984.69480	16209.06500	57823.49600	1290.28990	20795.34400
Int RSD	*0.22198141*	*6.41270275*	*1.19870612*	*0.08013324*	*0.48339158*	*4.48176747*	*0.87321248*
Int SD	*104.10629000*	*188.54964000*	*71.73890300*	*12.98884900*	*279.51391000*	*57.82779300*	*181.58754000*
RelInt Mean	0.00003205	0.00267782	0.00169498	0.00649963	0.03297336	0.00284182	0.00924600
RelInt RSD	*8.84184626*	*2.90200883*	*2.96185441*	*0.40668978*	*0.47795197*	*14.86790113*	*1.12254949*
RelInt SD	*0.00000283*	*0.00007771*	*0.00005020*	*0.00002643*	*0.00015760*	*0.00042252*	*0.00010379*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	27430.69700	139922	91260.74700	467.62127000	2627.04910	220781	24963.28400
Int RSD	*0.18674512*	*0.26642375*	*0.17698502*	*12.60163337*	*6.97196257*	*0.65176226*	*0.24887679*
Int SD	*51.22548700*	*372.78571000*	*161.51785000*	*58.92791800*	*183.15688000*	*1438.96860*	*62.12781900*
RelInt Mean	0.01389047	0.00296243	0.05412511	0.00015666	-0.00024935	0.13775285	0.01344141
RelInt RSD	*0.47561320*	*0.41307893*	*0.49732281*	*102.10288762*	*66.57564609*	*0.86802937*	*0.20080771*
RelInt SD	*0.00006606*	*0.00001224*	*0.00026918*	*0.00015995*	*0.00016600*	*0.00119574*	*0.00002699*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	11341.11500	25540.40800	11902.58400	13394.96500	10355.48800	11767.20100	183021
Int RSD	*4.17810533*	*0.30352221*	*1.34669026*	*0.41439893*	*0.37218500*	*0.16176461*	*0.25184595*
Int SD	*473.84373000*	*77.52081000*	*160.29094000*	*55.50859200*	*38.54157300*	*19.03516700*	*460.92989000*
RelInt Mean	0.00500108	0.01205199	0.00337092	0.00562024	0.00441426	0.00547460	0.53882120
RelInt RSD	*5.04130714*	*0.73178498*	*3.31747959*	*0.68965014*	*0.08414990*	*0.13414156*	*0.21304589*
RelInt SD	*0.00025212*	*0.00008819*	*0.00011183*	*0.00003876*	*0.00000371*	*0.00000734*	*0.00114794*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	392217	7409.67100	20189.48400	1558149	33383157	338066	131304
Int RSD	*0.36484759*	*0.72835699*	*0.47285069*	*0.31524716*	*0.08775070*	*0.10773300*	*0.20755454*
Int SD	*1430.99370*	*53.96885700*	*95.46611500*	*4912.02020*	*29293.95500*	*364.20880000*	*272.52692000*
RelInt Mean	0.01027146	0.00262458	0.00029689	---	---	---	0.08182909
RelInt RSD	*0.41225597*	*1.20436964*	*2.41451076*	---	---	---	*0.51791726*
RelInt SD	*0.00004234*	*0.00003161*	*0.00000717*	---	---	---	*0.00042381*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	4590.27320	11108.70100	7402.13580	3698.72160	27247.46400	4192.41050	
Int RSD	*2.35847596*	*3.64991433*	*0.70547991*	*0.93532192*	*0.34831329*	*1.14266074*	
Int SD	*108.26049000*	*405.45807000*	*52.22058100*	*34.59495400*	*94.90653700*	*47.90502900*	
RelInt Mean	0.01262738	0.01095055	0.00062261	0.00018710	0.01342303	0.00001762	
RelInt RSD	*4.45013173*	*1.40859160*	*8.09946883*	*16.60963817*	*0.44879932*	*184.24136441*	
RelInt SD	*0.00056193*	*0.00015425*	*0.00005043*	*0.00003108*	*0.00006024*	*0.00003246*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L3,S16948			Sample Type: Calibration Sample
Measure Date: 2022-06-24 09:55:55	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	47834.37100	9272.26010	30142.98900	108498	514825	1269.88860	144797
Int RSD	*0.65072786*	*4.11461635*	*0.18850710*	*0.26645016*	*0.32085087*	*7.94774833*	*0.15259905*
Int SD	*311.27158000*	*381.51793000*	*56.82167400*	*289.09222000*	*1651.82190*	*100.92755000*	*220.95913000*
RelInt Mean	0.00003093	0.02128832	0.01691343	0.06488655	0.32228275	0.00261944	0.08764732
RelInt RSD	*17.10714960*	*4.39324251*	*0.22078010*	*0.50451143*	*0.32479231*	*11.32344628*	*0.20741953*
RelInt SD	*0.00000529*	*0.00093525*	*0.00003734*	*0.00032736*	*0.00104675*	*0.00029661*	*0.00018180*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	215150	1016910	842376	460.48044000	2760.83630	2157420	210560
Int RSD	*0.06842180*	*0.37467374*	*0.17821517*	*15.72499236*	*6.47872712*	*0.48035862*	*0.13831545*
Int SD	*147.20944000*	*3810.09400*	*1501.24100*	*72.41051400*	*178.86705000*	*10363.35400*	*291.23656000*
RelInt Mean	0.13256582	0.02890362	0.52969794	0.00011744	-0.00000482	1.36413320	0.13086321
RelInt RSD	*0.28947850*	*0.37608811*	*0.30293710*	*111.71884978*	*4525.93521*	*0.16907830*	*0.27638839*
RelInt SD	*0.00038375*	*0.00010870*	*0.00160465*	*0.00013121*	*0.00021804*	*0.00230645*	*0.00036169*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	11201.67400	190538	60263.84100	95779.61300	71197.82600	87950.30600	1803864
Int RSD	*2.04480866*	*0.19511854*	*0.09452185*	*0.21589787*	*0.52872805*	*0.24562016*	*0.48618572*
Int SD	*229.05280000*	*371.77437000*	*56.96250000*	*206.78614000*	*376.44288000*	*216.02368000*	*8770.12970*
RelInt Mean	0.00437810	0.11639532	0.03388750	0.05769912	0.04289362	0.05365719	5.30118730
RelInt RSD	*4.90379992*	*0.20113255*	*0.38154941*	*0.19214848*	*0.71628809*	*0.61761574*	*0.40963561*
RelInt SD	*0.00021469*	*0.00023411*	*0.00012930*	*0.00011087*	*0.00030724*	*0.00033140*	*0.02171555*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3495649	44324.20700	101063	1583981	33715493	342013	1285097
Int RSD	*0.53096146*	*0.09499110*	*0.71049778*	*0.36824519*	*0.19837129*	*0.21528710*	*0.40993193*
Int SD	*18560.55100*	*42.10405100*	*718.05122000*	*5832.93270*	*66881.86000*	*736.30931000*	*5268.02170*
RelInt Mean	0.10224619	0.02594225	0.00268843	---	---	---	0.81235908
RelInt RSD	*0.58724593*	*0.27179243*	*0.54774203*	---	---	---	*0.10018941*
RelInt SD	*0.00060044*	*0.00007051*	*0.00001473*	---	---	---	*0.00081390*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	46423.49700	42560.82700	8996.62420	4154.81670	206742	4456.98870	
Int RSD	*1.77864765*	*2.62162082*	*0.60253932*	*1.97614882*	*0.13493689*	*0.53262468*	
Int SD	*825.71044000*	*1115.78350*	*54.20819800*	*82.10536100*	*278.97106000*	*23.73902200*	
RelInt Mean	0.13535310	0.10271409	0.00155607	0.00042978	0.12688822	0.00011622	
RelInt RSD	*1.80984477*	*2.19430898*	*1.90951415*	*12.37936885*	*0.35573512*	*17.16493970*	
RelInt SD	*0.00244968*	*0.00225386*	*0.00002971*	*0.00005320*	*0.00045139*	*0.00001995*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L4,S16947				Sample Type: Calibration Sample	
Measure Date: 2022-06-24 09:59:13	Recalculation Date:		State: Measured	Quality:	

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	54147.26300	69913.31300	263444	1020116	4850538	1334.59560	1312819
Int RSD	*0.33329879*	*0.82902667*	*0.14222613*	*0.33905392*	*0.35211831*	*3.71357698*	*0.11810264*
Int SD	*180.47217000*	*579.60001000*	*374.68580000*	*3458.74160*	*17079.63200*	*49.56123500*	*1550.47350*
RelInt Mean	-0.00003247	0.20191959	0.16666553	0.65192604	3.11601110	0.00292273	0.83935320
RelInt RSD	*55.18674550*	*0.99764134*	*0.64803226*	*0.64529838*	*0.31815720*	*8.62989934*	*0.45231160*
RelInt SD	*0.00001792*	*0.00201443*	*0.00108005*	*0.00420687*	*0.00991381*	*0.00025223*	*0.00379649*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	1980096	9350798	7823983	528.85204000	2677.11690	19988377	2021871
Int RSD	*0.40902542*	*0.88603732*	*0.32715831*	*22.61326060*	*2.07334200*	*0.20644126*	*0.38673089*
Int SD	*8099.09400*	*82851.56300*	*25596.81200*	*119.59069000*	*55.50578900*	*41264.25700*	*7819.19890*
RelInt Mean	1.26830900	0.28640901	5.02910100	0.00029810	-0.00014917	12.85698100	1.29726540
RelInt RSD	*0.19195995*	*0.96906532*	*0.28266273*	*98.07327755*	*245.25001366*	*0.36802450*	*0.18002660*
RelInt SD	*0.00243465*	*0.00277549*	*0.01421539*	*0.00029236*	*0.00036583*	*0.04731684*	*0.00233542*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	10906.98000	1730461	505954	894046	4520.40390	818108	16414193
Int RSD	*1.30329349*	*0.41016325*	*0.18499280*	*0.27196840*	*0.52207045*	*0.22769364*	*0.29590582*
Int SD	*142.14996000*	*7097.71390*	*935.97892000*	*2431.52190*	*23.59969300*	*1862.77980*	*48570.55200*
RelInt Mean	0.00346010	1.10758580	0.32004752	0.57082204	0.00001167	0.52364221	48.92253200
RelInt RSD	*4.29217393*	*0.24959435*	*0.53868341*	*0.76191133*	*238.97916496*	*0.53432763*	*0.25793965*
RelInt SD	*0.00014851*	*0.00276447*	*0.00172404*	*0.00434916*	*0.00002788*	*0.00279796*	*0.12619061*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	33274326	390027	872165	1563212	32461781	337614	11965054
Int RSD	*0.32629644*	*0.25892958*	*0.18011946*	*0.56217745*	*0.31858249*	*0.38468267*	*0.91940805*
Int SD	*108573*	*1009.89550*	*1570.93820*	*8788.02250*	*103418*	*1298.74410*	*110008*
RelInt Mean	1.02399980	0.24731407	0.02650137	---	---	---	7.69419710
RelInt RSD	*0.50805939*	*0.56967240*	*0.48391064*	---	---	---	*0.37046598*
RelInt SD	*0.00520253*	*0.00140888*	*0.00012824*	---	---	---	*0.02850438*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	450580	338882	23699.72400	8604.51330	1940010	6938.22450	
Int RSD	*0.60309355*	*0.28623360*	*0.35630643*	*1.26926296*	*0.37657133*	*0.53507281*	
Int SD	*2717.41880*	*969.99275000*	*84.44364000*	*109.21390000*	*7305.52250*	*37.12455300*	
RelInt Mean	1.34090120	0.98291142	0.01064082	0.00261198	1.24182510	0.00115666	
RelInt RSD	*0.43497530*	*0.21120410*	*0.87604434*	*2.67081336*	*0.30423801*	*2.17878936*	
RelInt SD	*0.00583259*	*0.00207595*	*0.00009322*	*0.00006976*	*0.00377810*	*0.00002520*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L5,S16645			Sample Type: Calibration Sample
Measure Date: 2022-06-24 10:02:29	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	1509568	2394.10150	3367.63700	10347.83500	7207.94560	1222.47650	6579.50590
Int RSD	*0.48570579*	*3.75466792*	*1.13379082*	*3.86337210*	*0.31094169*	*1.49253977*	*0.67637514*
Int SD	*7332.06020*	*89.89056100*	*38.18195900*	*399.77537000*	*22.41250800*	*18.24594800*	*44.50214200*
RelInt Mean	0.04368565	0.00087463	0.00000054	0.00267982	0.00030590	0.00255143	0.00006880
RelInt RSD	*0.91738759*	*18.33685661*	*2920.74218*	*9.61721145*	*5.69333021*	*6.81504937*	*10.67695479*
RelInt SD	*0.00040077*	*0.00016038*	*0.00001576*	*0.00025772*	*0.00001742*	*0.00017388*	*0.00000735*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6069.43670	47771.45400	11934.99500	550.73970000	2832.93220	8639.38990	6995.76450
Int RSD	*1.17917655*	*2.14410619*	*5.12729867*	*28.18175083*	*7.10620219*	*1.50567333*	*15.89455162*
Int SD	*71.56937400*	*1024.27070*	*611.94284000*	*155.20809000*	*201.31389000*	*130.08099000*	*1111.94540*
RelInt Mean	0.00010262	0.00020410	0.00293436	0.00026739	0.00012449	0.00092189	0.00184666
RelInt RSD	*55.15491244*	*15.16234509*	*13.55344012*	*98.42101876*	*331.12505078*	*11.44434466*	*38.77227089*
RelInt SD	*0.00005660*	*0.00003095*	*0.00039771*	*0.00026317*	*0.00041222*	*0.00010550*	*0.00071599*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	10976.04400	7204.13590	6645.66350	5823.39810	3535.60260	4071.02940	2739.11100
Int RSD	*0.43050005*	*0.36514900*	*1.11213929*	*7.14069419*	*0.80428239*	*5.64366030*	*4.78628285*
Int SD	*47.25187500*	*26.30583000*	*73.90903500*	*415.83105000*	*28.43622900*	*229.75507000*	*131.10160000*
RelInt Mean	0.00340152	0.00022486	-0.00002548	0.00072569	0.00000615	0.00050050	0.00228192
RelInt RSD	*16.75419043*	*1.82797159*	*152.41769478*	*36.93676940*	*304.85933219*	*30.68390667*	*17.69728989*
RelInt SD	*0.00056990*	*0.00000411*	*0.00003883*	*0.00026804*	*0.00001875*	*0.00015357*	*0.00040384*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	92272.87100	3901.38910	11455.63800	1566264	33515608	338387	6438.58480
Int RSD	*19.74614185*	*10.18152406*	*0.32141898*	*0.31944278*	*0.40126436*	*0.47312529*	*1.51158638*
Int SD	*18220.33200*	*397.22087000*	*36.82059500*	*5003.31670*	*134486*	*1600.99240*	*97.32477100*
RelInt Mean	0.00128015	0.00036444	0.00003417	---	---	---	0.00129007
RelInt RSD	*42.98301023*	*77.49108958*	*11.48617432*	---	---	---	*5.62622985*
RelInt SD	*0.00055025*	*0.00028241*	*0.00000392*	---	---	---	*0.00007258*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	239.74886000	7821.55500	7255.18850	3745.53860	6731.09500	4233.07600	
Int RSD	*19.31300070*	*3.13854956*	*0.48345630*	*0.23349962*	*0.15393280*	*1.04025876*	
Int SD	*46.30269900*	*245.48338000*	*35.07566600*	*8.74581830*	*10.36136300*	*44.03494400*	
RelInt Mean	-0.00028851	0.00100291	0.00048842	0.00020712	0.00018379	0.00003433	
RelInt RSD	*67.95212841*	*15.03855685*	*5.43295243*	*9.08441545*	*4.02845681*	*102.98694060*	
RelInt SD	*0.00019605*	*0.00015082*	*0.00002654*	*0.00001882*	*0.00000740*	*0.00003536*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L6,S16518			Sample Type: Calibration Sample
Measure Date: 2022-06-24 10:05:46	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	47526.80500	2469.14230	3427.50360	8456.74350	7111.35340	53878.22000	6666.60870
Int RSD	*0.67905398*	*6.52483212*	*1.03711340*	*1.47256707*	*0.44562927*	*1.76480923*	*0.27277721*
Int SD	*322.73266000*	*161.10739000*	*35.54709900*	*124.53122000*	*31.69027200*	*950.84780000*	*18.18498900*
RelInt Mean	0.00003949	0.00030715	-0.00002192	0.00139709	0.00011116	0.16095247	0.00001167
RelInt RSD	*6.00652287*	*26.66917848*	*94.58691696*	*5.25099781*	*23.85962274*	*1.55780374*	*105.67284438*
RelInt SD	*0.00000237*	*0.00008191*	*0.00002073*	*0.00007336*	*0.00002652*	*0.00250732*	*0.00001234*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6175.56850	46608.43700	9344.62310	20007.63000	14225.14000	7787.03570	4636.85570
Int RSD	*0.86159103*	*0.69265670*	*0.95868723*	*3.89553975*	*2.15053961*	*0.69764421*	*2.35734315*
Int SD	*53.20814400*	*322.83646000*	*89.58570800*	*779.40518000*	*305.91727000*	*54.32580400*	*109.30660000*
RelInt Mean	0.00006812	0.00016635	0.00117195	0.05894144	0.03457635	0.00021233	0.00026764
RelInt RSD	*48.19335999*	*4.35403620*	*5.38486180*	*3.40874203*	*0.57078252*	*8.90674085*	*33.01478462*
RelInt SD	*0.00003283*	*0.00000724*	*0.00006311*	*0.00200916*	*0.00019736*	*0.00001891*	*0.00008836*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	376268	7259.73520	6818.74840	4989.60500	3629.08210	3598.93040	2147.55790
Int RSD	*0.32043455*	*0.80417603*	*1.08951596*	*1.02248370*	*1.67846183*	*0.99063024*	*6.08134710*
Int SD	*1205.69400*	*58.38105000*	*74.29135200*	*51.01789800*	*60.91275800*	*35.65209300*	*130.60045000*
RelInt Mean	1.10077590	0.00015372	-0.00002481	0.00010561	0.00000949	0.00013881	0.00067417
RelInt RSD	*0.49078870*	*24.69502320*	*151.92702717*	*16.44727814*	*264.50361014*	*30.95910598*	*35.60094884*
RelInt SD	*0.00540248*	*0.00003796*	*0.00003769*	*0.00001737*	*0.00002510*	*0.00004297*	*0.00024001*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	64758.22600	3398.05420	11507.30400	1524892	32053086	334528	5556.01840
Int RSD	*5.69992112*	*0.89740552*	*1.27800717*	*0.17923546*	*0.66111332*	*0.22437626*	*1.11083995*
Int SD	*3691.16780*	*30.49432600*	*147.06417000*	*2733.14750*	*211907*	*750.60046000*	*61.71847200*
RelInt Mean	0.00046182	0.00000046	0.00002906	---	---	---	0.00066664
RelInt RSD	*27.61912264*	*5973.48107*	*11.15549198*	---	---	---	*5.55137592*
RelInt SD	*0.00012755*	*0.00002772*	*0.00000324*	---	---	---	*0.00003701*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	260.78352000	7636.23910	831840	3775.93880	6756.45990	4324.69170	
Int RSD	*1.52169608*	*5.18866113*	*0.18940380*	*1.51864509*	*0.69625801*	*0.70861479*	
Int SD	*3.96833260*	*396.21857000*	*1575.53570*	*57.34310900*	*47.04239300*	*30.64540500*	
RelInt Mean	-0.00020016	0.00053770	0.54338124	0.00016112	0.00008560	0.00002679	
RelInt RSD	*61.56567889*	*41.75324856*	*0.09206269*	*31.48204286*	*29.16571924*	*45.43759364*	
RelInt SD	*0.00012323*	*0.00022451*	*0.00050025*	*0.00005072*	*0.00002497*	*0.00001217*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L7,S16675			Sample Type: Calibration Sample
Measure Date: 2022-06-24 10:09:02	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	46977.64900	2239.21960	3329.41730	7587.75620	6952.48580	1135.09380	6518.29840
Int RSD	*0.57329902*	*7.70167473*	*1.51599435*	*0.74391341*	*0.84369084*	*7.60102892*	*0.71989191*
Int SD	*269.32240000*	*172.45741000*	*50.47377800*	*56.44633600*	*58.65748600*	*86.27880800*	*46.92470300*
RelInt Mean	0.00004211	0.00047215	-0.00004789	0.00089003	0.00011631	0.00248492	-0.00000387
RelInt RSD	*17.56285891*	*69.45095252*	*41.68555350*	*4.37706343*	*24.00745572*	*15.68296082*	*962.57629890*
RelInt SD	*0.00000740*	*0.00032791*	*0.00001996*	*0.00003896*	*0.00002792*	*0.00038971*	*0.00003730*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6041.99390	45997.96700	8483.58140	479.60796000	2848.39330	7622.73770	4284.07010
Int RSD	*0.67238231*	*0.60430082*	*0.87118569*	*9.21217634*	*9.86867930*	*0.44441475*	*2.51446422*
Int SD	*40.62529800*	*277.96609000*	*73.90774700*	*44.18233100*	*281.09880000*	*33.87657100*	*107.72141000*
RelInt Mean	0.00007037	0.00015274	0.00067793	0.00012332	0.00025973	0.00024195	0.00008816
RelInt RSD	*44.44572103*	*4.44420721*	*7.48292398*	*117.19279563*	*236.32873103*	*3.83100460*	*78.40864490*
RelInt SD	*0.00003128*	*0.00000679*	*0.00005073*	*0.00014452*	*0.00061381*	*0.00000927*	*0.00006913*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	11445.20900	7105.17790	6665.93100	4790.30710	3542.42660	3467.20390	2089.17790
Int RSD	*1.38295413*	*0.53141087*	*0.26804904*	*0.13827253*	*0.55061691*	*1.55888233*	*6.32039091*
Int SD	*158.28199000*	*37.75768800*	*17.86796400*	*6.62367900*	*19.50520000*	*54.04962900*	*132.04421000*
RelInt Mean	0.00465816	0.00012842	-0.00003999	0.00005336	-0.00000618	0.00009587	0.00019833
RelInt RSD	*6.64537852*	*25.76269263*	*25.27793294*	*16.73039790*	*308.08862842*	*38.38066509*	*91.13569772*
RelInt SD	*0.00030955*	*0.00003308*	*0.00001011*	*0.00000893*	*0.00001903*	*0.00003680*	*0.00018075*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	51371.73900	3337.05660	11086.85000	1589301	33816424	341559	5283.69070
Int RSD	*0.93490518*	*0.51038631*	*1.52002047*	*0.37516912*	*0.54067482*	*0.56740355*	*0.90464871*
Int SD	*480.27705000*	*17.03188000*	*168.52239000*	*5962.56540*	*182837*	*1938.01880*	*47.79884000*
RelInt Mean	0.00006015	-0.00002036	0.00002553	---	---	---	0.00052226
RelInt RSD	*7.51366234*	*62.70441271*	*7.77038252*	---	---	---	*3.84249343*
RelInt SD	*0.00000452*	*0.00001277*	*0.00000198*	---	---	---	*0.00002007*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	311.98083000	7787.88610	7257.66480	446038	6574.86280	191569	
Int RSD	*11.06257683*	*4.98711133*	*0.57354579*	*0.21455288*	*0.38975580*	*0.37324638*	
Int SD	*34.51311900*	*388.39055000*	*41.62603100*	*956.98801000*	*25.62590900*	*715.02562000*	
RelInt Mean	-0.00021679	0.00060502	0.00043887	0.27963425	0.00003357	0.11842324	
RelInt RSD	*37.65199728*	*38.08104192*	*3.45427505*	*0.46511785*	*40.12404142*	*0.62376261*	
RelInt SD	*0.00008163*	*0.00023040*	*0.00001516*	*0.00130063*	*0.00001347*	*0.00073868*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L8,S16519			Sample Type: Calibration Sample
Measure Date: 2022-06-24 10:12:19	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	47518.50300	5959.66280	3881.63850	10691.82100	7756.68070	969028	7181.14720
Int RSD	*0.83111004*	*1.60815312*	*0.91287442*	*0.74924502*	*0.37443835*	*0.61168182*	*0.56417104*
Int SD	*394.93105000*	*95.84050300*	*35.43448500*	*80.10793600*	*29.04398700*	*5927.36910*	*40.51395300*
RelInt Mean	0.00004022	-0.00206354	-0.00002460	0.00252836	0.00022684	3.01946690	0.00001699
RelInt RSD	*3.88373240*	*40.04792777*	*113.60272184*	*2.94051046*	*18.80553038*	*0.67406723*	*236.33940502*
RelInt SD	*0.00000156*	*0.00082641*	*0.00002795*	*0.00007435*	*0.00004266*	*0.02035324*	*0.00004017*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6889.94440	47405.10200	9344.92910	77177.90500	210904	8588.26330	4684.49970
Int RSD	*0.30091477*	*0.52152990*	*0.34917610*	*0.93794578*	*0.81393200*	*0.36526736*	*0.60128257*
Int SD	*20.73286000*	*247.23178000*	*32.63025900*	*723.88690000*	*1716.61450*	*31.37012300*	*28.16708000*
RelInt Mean	0.00006245	0.00017605	0.00068424	0.23903537	0.64658180	0.00032185	0.00000063
RelInt RSD	*41.19633652*	*1.31035828*	*4.26460604*	*0.96967729*	*0.57135536*	*4.62422420*	*4686.79149*
RelInt SD	*0.00002573*	*0.00000231*	*0.00002918*	*0.00231787*	*0.00369428*	*0.00001488*	*0.00002973*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	1336443	7837.35750	7338.76590	5232.57700	3963.56810	3782.83930	2807.85100
Int RSD	*0.42411157*	*0.82889831*	*0.40559242*	*0.70627664*	*1.26778836*	*0.58140791*	*1.41771999*
Int SD	*5668.00770*	*64.96372400*	*29.76547800*	*36.95646900*	*50.24965500*	*21.99372700*	*39.80746500*
RelInt Mean	4.12873370	0.00016019	-0.00002858	0.00003122	0.00000506	0.00001424	0.00252784
RelInt RSD	*0.64436273*	*38.20356220*	*116.05612917*	*89.12768829*	*953.77470371*	*43.89117490*	*7.32324056*
RelInt SD	*0.02660402*	*0.00006120*	*0.00003316*	*0.00002783*	*0.00004827*	*0.00000625*	*0.00018512*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	55361.41900	3740.85340	12766.93900	1423888	29631835	322921	5824.30230
Int RSD	*0.49024164*	*0.50399620*	*0.62995299*	*0.43307867*	*0.73014921*	*0.55149529*	*0.14207311*
Int SD	*271.40473000*	*18.85375900*	*80.42571400*	*6166.55440*	*216357*	*1780.89190*	*8.27476770*
RelInt Mean	0.00011995	0.00001025	0.00002859	---	---	---	0.00066112
RelInt RSD	*7.81657634*	*196.83174070*	*13.26064669*	---	---	---	*1.68581990*
RelInt SD	*0.00000938*	*0.00002017*	*0.00000379*	---	---	---	*0.00001115*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	232.57449000	7640.83760	8318.01190	4088.52910	7246.16780	4832.21150	
Int RSD	*55.92208329*	*0.90727756*	*0.64954980*	*0.37327280*	*0.36527310*	*0.32545181*	
Int SD	*130.06050000*	*69.32360500*	*54.02963000*	*15.26136700*	*26.46830200*	*15.72652000*	
RelInt Mean	-0.00030652	0.00062257	0.00062510	0.00017036	0.00007495	0.00006818	
RelInt RSD	*137.16882360*	*64.22959432*	*5.47106204*	*3.34270269*	*8.27100874*	*29.77421275*	
RelInt SD	*0.00042044*	*0.00039987*	*0.00003420*	*0.00000569*	*0.00000620*	*0.00002030*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICV,S16870	Sample Type: Control Sample		
Measure Date: 2022-06-24 10:15:44	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	374864	7763.61620	29357.55600	108555	456368	484712	244495
Int RSD	*0.21987620*	*2.94482319*	*0.70203868*	*0.66180121*	*0.07675731*	*0.54841104*	*0.15051802*
Int SD	*824.23756000*	*228.62477000*	*206.10140000*	*718.42082000*	*350.29545000*	*2658.21460*	*368.00902000*
RelInt Mean	0.01075890	0.01105074	0.01753366	0.06992218	0.30875822	1.49911460	0.16315173
RelInt RSD	*0.72788060*	*4.64592963*	*0.65962531*	*0.79966418*	*0.18069250*	*0.10019626*	*0.29893378*
RelInt SD	*0.00007831*	*0.00051341*	*0.00011566*	*0.00055914*	*0.00055790*	*0.00150206*	*0.00048772*
Conc Mean	0.49151720[mg/l]	1.05451360[mg/l]	1.05295510[mg/l]	1.07093890[mg/l]	0.98642434[mg/l]	99.19270600[mg/l]	0.96967853[mg/l]
Conc RSD	*0.72992831*	*4.83069569*	*0.65896629*	*0.80107016*	*0.18118951*	*0.10038060*	*0.29794164*
Conc SD	*0.00358772[mg/l]*	*0.05094034[mg/l]*	*0.00693862[mg/l]*	*0.00857897[mg/l]*	*0.00178730[mg/l]*	*0.09957023[mg/l]*	*0.00288908[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	182016	887584	379860	43075.11100	113119	1852961	202081
Int RSD	*0.28432985*	*0.60350358*	*0.10344100*	*1.29575738*	*0.38407888*	*0.11192610*	*0.18738660*
Int SD	*517.52651000*	*5356.60350*	*392.93054000*	*558.14893000*	*434.46454000*	*2073.94700*	*378.67303000*
RelInt Mean	0.12046790	0.02774085	0.25562122	0.13174148	0.34034521	1.26896810	0.13578761
RelInt RSD	*0.22584388*	*0.96125278*	*0.05805291*	*1.75997051*	*0.80397497*	*0.11666841*	*0.13246938*
RelInt SD	*0.00027207*	*0.00026666*	*0.00014840*	*0.00231861*	*0.00273629*	*0.00148048*	*0.00017988*
Conc Mean	0.94884962[mg/l]	0.96358479[mg/l]	1.01444150[mg/l]	110.17435000[mg/l]	105.24936000[mg/l]	0.98628022[mg/l]	1.04659680[mg/l]
Conc RSD	*0.22598353*	*0.96672238*	*0.05814941*	*1.76186617*	*0.80408600*	*0.11667884*	*0.13247569*
Conc SD	*0.00214424[mg/l]*	*0.00931519[mg/l]*	*0.00058989[mg/l]*	*1.94112460[mg/l]*	*0.84629537[mg/l]*	*0.00115078[mg/l]*	*0.00138649[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	711705	162737	52961.86000	33776.59200	24277.17300	372968	336513
Int RSD	*0.54348614*	*0.16212280*	*0.49711997*	*0.69881310*	*0.69123435*	*0.21819232*	*0.40960376*
Int SD	*3868.01680*	*263.83302000*	*263.28398000*	*236.03525000*	*167.81216000*	*813.78732000*	*1378.36830*
RelInt Mean	2.16936710	0.10663582	0.03137177	0.01964486	0.01400511	0.25400194	1.03547150
RelInt RSD	*0.37090691*	*0.31064420*	*0.73384379*	*0.97449058*	*0.64805584*	*0.09462519*	*0.03800339*
RelInt SD	*0.00804633*	*0.00033126*	*0.00023022*	*0.00019144*	*0.00009076*	*0.00024035*	*0.00039351*
Conc Mean	104.57637000[mg/l]	0.96098385[mg/l]	0.97992557[mg/l]	1.02851220[mg/l]	0.97898256[mg/l]	4.84941290[mg/l]	0.97662515[mg/l]
Conc RSD	*0.37162226*	*0.31110726*	*0.73397004*	*0.97707679*	*0.64831471*	*0.09462577*	*0.03799425*
Conc SD	*0.38862907[mg/l]*	*0.00298969[mg/l]*	*0.00719236[mg/l]*	*0.01004935[mg/l]*	*0.00634689[mg/l]*	*0.00458879[mg/l]*	*0.00037106[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3203785	15644.31900	170540	1462255	30456345	325160	390932
Int RSD	*0.85367350*	*0.35982351*	*0.46418604*	*0.14942504*	*0.41037600*	*0.46635687*	*0.24766079*
Int SD	*27349.86700*	*56.29193800*	*791.62125000*	*2184.97520*	*124986*	*1516.40600*	*968.18640000*
RelInt Mean	0.10358986	0.00812450	0.00522792	---	---	---	0.26543723
RelInt RSD	*1.16890958*	*0.65675268*	*0.74760410*	---	---	---	*0.38449275*
RelInt SD	*0.00121087*	*0.00005336*	*0.00003908*	---	---	---	*0.00102059*
Conc Mean	1.01159760[mg/l]	0.98310576[mg/l]	0.98157738[mg/l]	1453684	30382904	322953	0.97926801[mg/l]
Conc RSD	*1.16895878*	*0.65536195*	*0.75205425*	---	---	---	*0.38488890*
Conc SD	*0.01182516[mg/l]*	*0.00644290[mg/l]*	*0.00738199[mg/l]*	*2174.56330*	*124824*	*1514.97390*	*0.00376909[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	89652.34100	39785.29200	426851	223997	373558	4921.26360	
Int RSD	*0.53070256*	*0.67258793*	*0.02196366*	*0.14840078*	*0.08132475*	*0.76194559*	
Int SD	*475.78727000*	*267.59107000*	*93.75207700*	*332.41395000*	*303.79485000*	*37.49735100*	
RelInt Mean	0.27621474	0.09941699	0.28841125	0.15124498	0.25180968	0.00016413	
RelInt RSD	*0.75504240*	*1.09189272*	*0.12728291*	*0.11854859*	*0.11041891*	*10.00145556*	
RelInt SD	*0.00208554*	*0.00108553*	*0.00036710*	*0.00017930*	*0.00027805*	*0.00001642*	
Conc Mean	1.03101120[mg/l]	1.00660210[mg/l]	5.28051390[mg/l]	5.40539120[mg/l]	1.00968060[mg/l]	0.01414650[mg/l]	
Conc RSD	*0.75395873*	*1.09723057*	*0.12797683*	*0.11870380*	*0.10949040*	*9.79829071*	
Conc SD	*0.00777340[mg/l]*	*0.01104475[mg/l]*	*0.00675783[mg/l]*	*0.00641640[mg/l]*	*0.00110550[mg/l]*	*0.00138612[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 464785 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482252582013 File : met06_master Time : 24-JUN-2022 10:35
Cal : 482252582001 Caldate : 24-JUN-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33514014	34287243	2.31
Yttrium	A	1559261	1634576	4.83
Yttrium	R	337694	346227	2.53

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICB,1			Sample Type: Control Sample
Measure Date: 2022-06-24 10:35:27	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	48329.20300	2469.03380	3410.03150	6853.25500	7006.07920	1375.42040	6653.43430
Int RSD	*0.33005303*	*2.52119153*	*0.40605153*	*0.44488186*	*0.24233346*	*9.23491901*	*0.19873789*
Int SD	*159.51200000*	*62.24907100*	*13.84648500*	*30.48888800*	*16.97807400*	*127.01896000*	*13.22289500*
RelInt Mean	0.00004109	0.00044623	-0.00003251	0.00032051	0.00007294	0.00287961	-0.00000238
RelInt RSD	*3.61438817*	*64.54736586*	*42.68258142*	*12.24661471*	*19.25395182*	*21.31605937*	*399.61456384*
RelInt SD	*0.00000149*	*0.00028803*	*0.00001387*	*0.00003925*	*0.00001404*	*0.00061382*	*0.00000950*
Conc Mean	<0.00049920[mg/l]	<0.00233729[mg/l]	<0.00022846[mg/l]	0.00303747[mg/l]	<-0.00006184[mg/l]	<0.00970220[mg/l]	<-0.00003858[mg/l]
Conc RSD	*13.62981388*	*1222.70243*	*364.33651132*	*19.82685556*	*73.18897323*	*419.38033475*	*146.68067954*
Conc SD	*0.00006804[mg/l]*	*0.02857814[mg/l]*	*0.00083237[mg/l]*	*0.00060223[mg/l]*	*0.00004526[mg/l]*	*0.04068913[mg/l]*	*0.00005659[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6150.07150	46837.66200	7671.30710	701.10894000	3032.20000	7423.88310	4215.79870
Int RSD	*1.03286998*	*0.28807234*	*0.04941714*	*21.74240140*	*6.75132874*	*0.21518747*	*0.13288143*
Int SD	*63.52224200*	*134.92635000*	*3.79094030*	*152.43792000*	*204.71379000*	*15.97526600*	*5.60201340*
RelInt Mean	0.00003374	0.00013933	0.00002990	0.00054830	0.00010799	-0.00000895	-0.00001616
RelInt RSD	*95.39284526*	*5.20126067*	*68.70183455*	*55.04993543*	*459.55191264*	*338.26006950*	*92.09108756*
RelInt SD	*0.00003219*	*0.00000725*	*0.00002054*	*0.00030184*	*0.00049627*	*0.00003026*	*0.00001488*
Conc Mean	<-0.00032348[mg/l]	<-0.00061458[mg/l]	<-0.00152843[mg/l]	<0.34038788[mg/l]	<0.01914013[mg/l]	<-0.00008353[mg/l]	<-0.00015803[mg/l]
Conc RSD	*78.42364181*	*41.19237480*	*5.34274560*	*74.23775782*	*801.91562942*	*28.16051181*	*72.57161938*
Conc SD	*0.00025369[mg/l]*	*0.00025316[mg/l]*	*0.00008166[mg/l]*	*0.25269633[mg/l]*	*0.15348771[mg/l]*	*0.00002352[mg/l]*	*0.00011469[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	12257.53100	7234.92610	6798.03350	4783.24550	3605.55420	3373.99050	2135.24500
Int RSD	*2.08020530*	*0.31404091*	*0.45810917*	*0.41461618*	*0.79053223*	*0.55680009*	*3.73419149*
Int SD	*254.98181000*	*22.72062800*	*31.14241500*	*19.83211000*	*28.50306800*	*18.78638200*	*79.73413700*
RelInt Mean	0.00540936	0.00011882	-0.00004689	-0.00003371	0.00000680	0.00000450	-0.00004390
RelInt RSD	*12.56447534*	*22.39363862*	*81.71778877*	*17.81013496*	*398.35651481*	*225.19652816*	*469.15128389*
RelInt SD	*0.00067966*	*0.00002661*	*0.00003831*	*0.00000600*	*0.00002710*	*0.00001013*	*0.00020596*
Conc Mean	<0.05939201[mg/l]	<-0.00035474[mg/l]	<-0.00087707[mg/l]	<0.00003622[mg/l]	<0.00008558[mg/l]	<0.00002712[mg/l]	<0.00014342[mg/l]
Conc RSD	*55.27136580*	*67.69819565*	*136.20236448*	*867.36748400*	*2214.41345*	*713.03474538*	*135.41985879*
Conc SD	*0.03282677[mg/l]*	*0.00024015[mg/l]*	*0.00119459[mg/l]*	*0.00031413[mg/l]*	*0.00189513[mg/l]*	*0.00019337[mg/l]*	*0.00019422[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	50506.65100	3352.83230	11467.56500	1634576	34287243	346227	4996.78800
Int RSD	*0.04667404*	*0.44369395*	*1.29273172*	*0.71491866*	*0.36878882*	*0.12748934*	*0.68544635*
Int SD	*23.57349400*	*14.87631400*	*148.24485000*	*11685.88600*	*126448*	*441.40222000*	*34.25030100*
RelInt Mean	-0.00000791	-0.00001627	0.00002454	---	---	---	0.00026657
RelInt RSD	*31.43551202*	*85.95973725*	*22.13431188*	---	---	---	*3.54142002*
RelInt SD	*0.00000249*	*0.00001398*	*0.00000543*	---	---	---	*0.00000944*
Conc Mean	<-0.00011889[mg/l]	<0.00158530[mg/l]	<-0.00073648[mg/l]	1626390	34214731	343797	0.00032074[mg/l]
Conc RSD	*20.42827124*	*106.92810393*	*139.30422682*	---	---	---	*10.83498270*
Conc SD	*0.00002429[mg/l]*	*0.00169513[mg/l]*	*0.00102594[mg/l]*	*11622.35300*	*126317*	*519.97113000*	*0.00003475[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	395.71993000	8197.81070	7579.97950	3809.69790	6731.79700	4268.70560	
Int RSD	*36.09643062*	*2.79287249*	*0.08818065*	*1.49174456*	*0.45276451*	*0.46787799*	
Int SD	*142.84077000*	*228.95440000*	*6.68407500*	*56.83096100*	*30.47918800*	*19.97233400*	
RelInt Mean	-0.00001929	0.00060617	0.00056503	0.00019728	0.00004119	-0.00004386	
RelInt RSD	*1529.18210*	*107.34074347*	*3.43892161*	*15.66176194*	*27.06986443*	*30.02691447*	
RelInt SD	*0.00029495*	*0.00065067*	*0.00001943*	*0.00003090*	*0.00001115*	*0.00001317*	
Conc Mean	<0.00140662[mg/l]	<0.00124729[mg/l]	0.00264033[mg/l]	<-0.00008455[mg/l]	<0.00000293[mg/l]	<-0.00341647[mg/l]	
Conc RSD	*78.15516245*	*530.76738863*	*13.45756722*	*1307.82744*	*1611.05229*	*32.55258083*	
Conc SD	*0.00109935[mg/l]*	*0.00662023[mg/l]*	*0.00035532[mg/l]*	*0.00110571[mg/l]*	*0.00004718[mg/l]*	*0.00111215[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 464785 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482252582014 File : met06_master Time : 24-JUN-2022 10:38
Cal : 482252582001 Caldate : 24-JUN-2022
Standards: S16520, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.01468]	0.003333	mg/l	a- ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	145.3	mg/l	91	
Aluminum	R	400.0	368.7	mg/l	92	
Calcium	R	400.0	390.1	mg/l	98	
Magnesium	R	400.0	408.6	mg/l	102	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33514014	28952697	-13.61
Yttrium	A	1559261	1392676	-10.68
Yttrium	R	337694	315474	-6.58

-=low bias a=ICSA

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICSA,S16520			Sample Type: Control Sample
Measure Date: 2022-06-24 10:38:43	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	48903.10600	1176595	10108.19600	10131.21900	8884.67670	1845705	8410.82450
Int RSD	*0.24703770*	*0.26274423*	*0.22473390*	*0.43551931*	*0.65366099*	*0.49226923*	*1.04420979*
Int SD	*120.80911000*	*3091.43440*	*22.71654300*	*44.12341500*	*58.07566600*	*9085.83870*	*87.82665300*
RelInt Mean	0.00003598	3.71622320	-0.00006617	0.00088133	0.00018725	5.88765130	0.00014665
RelInt RSD	*34.71206430*	*1.40442245*	*38.25359869*	*3.00417323*	*26.51462424*	*1.50537847*	*28.02877915*
RelInt SD	*0.00001249*	*0.05219147*	*0.00002531*	*0.00002648*	*0.00004965*	*0.08863144*	*0.00004110*
Conc Mean	<0.00026494[mg/l]	>368.68047000[mg/l]	<-0.00178821[mg/l]	0.01164212[mg/l]	0.00030859[mg/l]	>390.10171000[mg/l]	0.00084461[mg/l]
Conc RSD	*215.94566446*	*1.40458319*	*84.89217613*	*3.48931651*	*51.41669433*	*1.50607809*	*29.02256204*
Conc SD	*0.00057213[mg/l]*	*5.17842390[mg/l]*	*0.00151805[mg/l]*	*0.00040623[mg/l]*	*0.00015867[mg/l]*	*5.87523640[mg/l]*	*0.00024513[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7905.47790	50602.12900	50546410	423.57823000	418101	13585.13100	14415.65800
Int RSD	*0.96667630*	*0.68343063*	*0.40662306*	*13.79966081*	*0.83392597*	*0.46670575*	*1.13726331*
Int SD	*76.42038100*	*345.83045000*	*205533*	*58.45235900*	*3486.65050*	*63.40258800*	*163.94399000*
RelInt Mean	-0.00027440	0.00018185	36.55364500	0.00013425	1.32122050	0.00153088	-0.00014748
RelInt RSD	*13.43659382*	*5.07024255*	*0.24922555*	*66.17868344*	*0.52482986*	*3.34736403*	*57.71097615*
RelInt SD	*0.00003687*	*0.00000922*	*0.09110102*	*0.00008884*	*0.00693416*	*0.00005124*	*0.00008511*
Conc Mean	<-0.00275205[mg/l]	0.00087050[mg/l]	>145.29830000[mg/l]	<-0.00625392[mg/l]	>408.61923000[mg/l]	0.00111336[mg/l]	<-0.00117026[mg/l]
Conc RSD	*10.55879986*	*36.99940094*	*0.24922782*	*1189.29773*	*0.52484757*	*3.57760148*	*56.05913651*
Conc SD	*0.00029058[mg/l]*	*0.00032208[mg/l]*	*0.36212378[mg/l]*	*0.07437776[mg/l]*	*2.14462810[mg/l]*	*0.00003983[mg/l]*	*0.00065604[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	10814.45900	8658.00170	17147.43900	16937.86700	11579.58200	9800.44720	8041.06510
Int RSD	*2.77225084*	*1.06648927*	*0.52098040*	*0.19463803*	*0.70416893*	*1.01815190*	*1.08594900*
Int SD	*299.80393000*	*92.33665900*	*89.33479600*	*32.96753000*	*81.53981900*	*99.78343900*	*87.32186600*
RelInt Mean	0.00501719	-0.00004358	0.00186882	0.00009896	-0.00016930	-0.00022494	0.01953485
RelInt RSD	*9.08269181*	*97.95114910*	*5.88905102*	*47.60632401*	*57.71388950*	*50.09063983*	*1.53302892*
RelInt SD	*0.00045570*	*0.00004269*	*0.00011006*	*0.00004711*	*0.00009771*	*0.00011267*	*0.00029947*
Conc Mean	<0.04045063[mg/l]	<-0.00182044[mg/l]	<-0.01467907[mg/l]	0.00702193[mg/l]	<-0.01222940[mg/l]	<-0.00435336[mg/l]	0.01860600[mg/l]
Conc RSD	*54.41114761*	*21.16212228*	*30.23285120*	*35.24441095*	*55.87264168*	*49.41465524*	*1.51779802*
Conc SD	*0.02200965[mg/l]*	*0.00038524[mg/l]*	*0.00443790[mg/l]*	*0.00247484[mg/l]*	*0.00683289[mg/l]*	*0.00215120[mg/l]*	*0.00028240[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	61104.15200	10651.29300	14611.81500	1392676	28952697	315474	16928.08600
Int RSD	*1.17678681*	*0.66865302*	*0.79129786*	*0.60483244*	*0.68050641*	*1.28590370*	*1.28975136*
Int SD	*719.06560000*	*71.22019200*	*115.62298000*	*8423.35500*	*197025*	*4056.68760*	*218.33022000*
RelInt Mean	0.00023987	0.00025854	0.00001650	---	---	---	0.00076837
RelInt RSD	*9.94779713*	*17.15455549*	*32.93573638*	---	---	---	*26.64440451*
RelInt SD	*0.00002386*	*0.00004435*	*0.00000543*	---	---	---	*0.00020473*
Conc Mean	0.00230093[mg/l]	0.03489476[mg/l]	<-0.00225547[mg/l]	1382442	28868603	313283	0.00217542[mg/l]
Conc RSD	*10.12778346*	*15.40976736*	*45.49387929*	---	---	---	*34.75828516*
Conc SD	*0.00023303[mg/l]*	*0.00537720[mg/l]*	*0.00102610[mg/l]*	*8405.04100*	*196695*	*4184.82100*	*0.00075614[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	278.17422000	7195.17200	10646.10300	8219.56900	8786.94500	9898.03410	
Int RSD	*77.18918022*	*5.12891561*	*0.78227345*	*1.11726589*	*0.53291790*	*0.57484064*	
Int SD	*214.72040000*	*369.03430000*	*83.28163700*	*91.83444100*	*46.82720300*	*56.89792300*	
RelInt Mean	-0.00026402	0.00050803	0.00098769	0.00015822	-0.00023350	0.00006049	
RelInt RSD	*136.74072461*	*106.93337715*	*5.32418719*	*31.60727945*	*1.48043991*	*70.75591533*	
RelInt SD	*0.00036103*	*0.00054325*	*0.00005259*	*0.00005001*	*0.00000346*	*0.00004280*	
Conc Mean	<0.00049443[mg/l]	<0.00024877[mg/l]	0.01044740[mg/l]	<-0.00148242[mg/l]	<-0.00109552[mg/l]	0.00539522[mg/l]	
Conc RSD	*272.16185948*	*2221.83008*	*9.16123931*	*120.72324556*	*1.31801002*	*66.98717124*	
Conc SD	*0.00134565[mg/l]*	*0.00552735[mg/l]*	*0.00095711[mg/l]*	*0.00178963[mg/l]*	*0.00001444[mg/l]*	*0.00361411[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 464785 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482252582015 File : met06_master Time : 24-JUN-2022 10:42
Cal : 482252582001 Caldate : 24-JUN-2022
Standards: S16601, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	0.9614	mg/l	-4	20	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33514014	29272124	-12.66
Yttrium	A	1559261	1400842	-10.16
Yttrium	R	337694	316127	-6.39

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICSAB,S16601	Sample Type: Control Sample		
Measure Date: 2022-06-24 10:42:00	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	711111	1155763	10096.25200	10164.28800	227915	1817483	115091
Int RSD	*0.15285001*	*0.89792096*	*0.58462292*	*0.55199146*	*0.24641453*	*1.12323987*	*0.21681935*
Int SD	*1086.93290*	*10377.84000*	*59.02500300*	*56.10600200*	*561.61584000*	*20414.69600*	*249.53964000*
RelInt Mean	0.02264606	3.64274090	-0.00005237	0.00085335	0.15761519	5.78636560	0.07668636
RelInt RSD	*0.59521939*	*1.10500730*	*74.17367483*	*2.11547694*	*0.62699529*	*1.32236537*	*0.49294021*
RelInt SD	*0.00013479*	*0.04025255*	*0.00003885*	*0.00001805*	*0.00098824*	*0.07651690*	*0.00037802*
Conc Mean	1.03610700[mg/l]	>361.38957000[mg/l]	<-0.00141950[mg/l]	0.01121294[mg/l]	0.50537032[mg/l]	>383.38764000[mg/l]	0.45657548[mg/l]
Conc RSD	*0.59601440*	*1.10513452*	*164.02020598*	*2.47018134*	*0.62749002*	*1.32298965*	*0.49295494*
Conc SD	*0.00617535[mg/l]*	*3.99384090[mg/l]*	*0.00232827[mg/l]*	*0.00027698[mg/l]*	*0.00317115[mg/l]*	*5.07217880[mg/l]*	*0.00225071[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	99671.46200	479554	48997855	494.44222000	405287	904387	14201.94100
Int RSD	*0.03027082*	*0.12818097*	*0.21547343*	*20.92978832*	*0.19412513*	*0.11639639*	*0.50824493*
Int SD	*30.17136700*	*614.69705000*	*105577*	*103.48571000*	*786.76326000*	*1052.67400*	*72.18064500*
RelInt Mean	0.06559219	0.01481962	35.23047800	0.00034837	1.27771410	0.64209192	-0.00024668
RelInt RSD	*0.55577854*	*0.53928883*	*0.87475313*	*58.54858673*	*0.07395886*	*0.56594900*	*26.67670025*
RelInt SD	*0.00036455*	*0.00007992*	*0.30817971*	*0.00020396*	*0.00094498*	*0.00363391*	*0.00006581*
Conc Mean	0.51635982[mg/l]	0.51220956[mg/l]	>140.03874000[mg/l]	<0.17300538[mg/l]	>395.16334000[mg/l]	0.49901536[mg/l]	<-0.00193491[mg/l]
Conc RSD	*0.55641279*	*0.54506085*	*0.87476308*	*98.69990170*	*0.07396260*	*0.56603524*	*26.21488873*
Conc SD	*0.00287309[mg/l]*	*0.00279185[mg/l]*	*1.22500720[mg/l]*	*0.17075614[mg/l]*	*0.29227307[mg/l]*	*0.00282460[mg/l]*	*0.00050723[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	11181.95300	153167	60712.74800	16994.24400	11526.30500	9847.54450	9612.29630
Int RSD	*1.42414389*	*0.30320851*	*0.48273358*	*0.98565297*	*0.87050386*	*1.15810464*	*2.55958464*
Int SD	*159.24710000*	*464.41511000*	*293.08082000*	*167.50427000*	*100.33693000*	*114.04487000*	*246.03486000*
RelInt Mean	0.00593411	0.10378012	0.03308442	0.00017615	-0.00012074	-0.00018311	0.02413688
RelInt RSD	*4.05970112*	*0.96965633*	*0.95499444*	*82.50283358*	*104.29106729*	*47.89788206*	*1.45049287*
RelInt SD	*0.00024091*	*0.00100631*	*0.00031595*	*0.00014533*	*0.00012592*	*0.00008770*	*0.00035010*
Conc Mean	<0.08473710[mg/l]	0.93521053[mg/l]	0.96144963[mg/l]	<0.00803298[mg/l]	<-0.00883318[mg/l]	<-0.00355467[mg/l]	0.02294568[mg/l]
Conc RSD	*13.73138395*	*0.97113337*	*0.97369438*	*94.91760765*	*99.68460736*	*47.10625629*	*1.43880764*
Conc SD	*0.01163558[mg/l]*	*0.00908214[mg/l]*	*0.00936158[mg/l]*	*0.00762471[mg/l]*	*0.00880532[mg/l]*	*0.00167447[mg/l]*	*0.00033014[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	67064.49500	10651.19900	92596.55700	1400842	29272124	316127	371369
Int RSD	*0.49873877*	*0.44804757*	*0.64768999*	*0.65356489*	*0.41641908*	*0.21298840*	*0.10078510*
Int SD	*334.47664000*	*47.72243800*	*599.73863000*	*9155.41350*	*121895*	*673.31394000*	*374.28466000*
RelInt Mean	0.00041091	0.00029354	0.00267478	---	---	---	0.25566357
RelInt RSD	*1.33771687*	*19.85896425*	*0.97542011*	---	---	---	*0.57990742*
RelInt SD	*0.00000550*	*0.00005829*	*0.00002609*	---	---	---	*0.00148261*
Conc Mean	0.00397127[mg/l]	0.03913617[mg/l]	0.49979601[mg/l]	1390447	29187306	313842	0.94338668[mg/l]
Conc RSD	*1.35174082*	*18.05940070*	*0.98590781*	---	---	---	*0.58032628*
Conc SD	*0.00005368[mg/l]*	*0.00706776[mg/l]*	*0.00492753[mg/l]*	*9155.13940*	*121698*	*629.71718000*	*0.00547472[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	42939.90800	7398.24120	11365.34600	8384.94830	368432	10242.00000	
Int RSD	*0.83234624*	*4.08722603*	*0.65219345*	*1.02994775*	*0.07242067*	*0.18701343*	
Int SD	*357.40871000*	*302.38284000*	*74.12404200*	*86.36058600*	*266.82110000*	*19.15391600*	
RelInt Mean	0.13556873	0.00062526	0.00147393	0.00030066	0.25810316	0.00029298	
RelInt RSD	*0.74629105*	*39.50826396*	*4.62099488*	*24.26334361*	*0.71634629*	*8.24148511*	
RelInt SD	*0.00101174*	*0.00024703*	*0.00006811*	*0.00007295*	*0.00184891*	*0.00002415*	
Conc Mean	0.50678259[mg/l]	<0.00144153[mg/l]	0.01942011[mg/l]	<0.00361507[mg/l]	1.03885130[mg/l]	0.02502638[mg/l]	
Conc RSD	*0.74411100*	*174.35661380*	*6.47791099*	*72.21531794*	*0.71587927*	*8.14685002*	
Conc SD	*0.00377102[mg/l]*	*0.00251341[mg/l]*	*0.00125802[mg/l]*	*0.00261063[mg/l]*	*0.00743692[mg/l]*	*0.00203886[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 464785 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482252582188 File : met06_master Time : 24-JUN-2022 21:42
Cal : 482252582001 Caldate : 24-JUN-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0322	0.0322	1.000	1.006	mg/l	1	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33514014	30821822	-8.03
Yttrium	A	1559261	1523573	-2.29
Yttrium	R	337694	323485	-4.21

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S16870	Sample Type: Control Sample		
Measure Date: 2022-06-24 21:42:19	Recalculation Date:	State: Check failed	Quality: Failed

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	388182	7837.05430	30947.91100	116476	478542	490073	262884
Int RSD	*0.52426034*	*1.24598190*	*0.41168947*	*0.38744053*	*0.05766629*	*0.17441611*	*0.15633045*
Int SD	*2035.08340*	*97.64827800*	*127.40929000*	*451.27484000*	*275.95728000*	*854.76570000*	*410.96805000*
RelInt Mean	0.01095620	0.01130151	0.01772154	0.07202311	0.31066804	1.52392670	0.16843325
RelInt RSD	*0.88422252*	*3.60686705*	*0.10582729*	*0.21717811*	*0.43117860*	*0.28637840*	*0.56660781*
RelInt SD	*0.00009688*	*0.00040763*	*0.00001875*	*0.00015642*	*0.00133953*	*0.00436420*	*0.00095436*
Conc Mean	0.50055614[mg/l]	1.07939460[mg/l]	1.06420780[mg/l]	1.10317350[mg/l]	0.99258122[mg/l]	100.83746000[mg/l]	1.00108660[mg/l]
Conc RSD	*0.88666802*	*3.74700346*	*0.10582556*	*0.21755048*	*0.43151817*	*0.28688947*	*0.56810113*
Conc SD	*0.00443827[mg/l]*	*0.04044495[mg/l]*	*0.00112620[mg/l]*	*0.00239996[mg/l]*	*0.00428317[mg/l]*	*0.28929205[mg/l]*	*0.00568718[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	193180	896739	397569	42874.83600	111701	1898204	209044
Int RSD	*0.07928887*	*0.74053955*	*0.48373555*	*1.05635655*	*0.53995383*	*0.32801023*	*0.13911832*
Int SD	*153.17011000*	*6640.70840*	*1923.18190*	*452.91114000*	*603.13167000*	*6226.30300*	*290.81824000*
RelInt Mean	0.12269972	0.02761332	0.25669406	0.13167489	0.33727762	1.24749920	0.13473126
RelInt RSD	*0.33929346*	*0.93005702*	*0.87593819*	*0.92395118*	*0.49154925*	*0.10299527*	*0.38942214*
RelInt SD	*0.00041631*	*0.00025682*	*0.00224848*	*0.00121661*	*0.00165789*	*0.00128487*	*0.00052467*
Conc Mean	0.96643923[mg/l]	0.95912981[mg/l]	1.01870600[mg/l]	110.11860000[mg/l]	104.30060000[mg/l]	0.96959269[mg/l]	1.03845460[mg/l]
Conc RSD	*0.33950373*	*0.93537335*	*0.87735593*	*0.92494674*	*0.49161537*	*0.10300433*	*0.38943500*
Conc SD	*0.00328110[mg/l]*	*0.00897144[mg/l]*	*0.00893768[mg/l]*	*1.01853840[mg/l]*	*0.51275778[mg/l]*	*0.00099872[mg/l]*	*0.00404411[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	709301	175979	56639.55300	35924.60400	25490.70200	395778	334502
Int RSD	*0.32462133*	*0.18782115*	*0.22164589*	*0.24503713*	*0.36438577*	*0.23399884*	*0.40771455*
Int SD	*2302.54360*	*330.52512000*	*125.53924000*	*88.02861800*	*92.88449200*	*926.11604000*	*1363.81490*
RelInt Mean	2.17265380	0.11078497	0.03221817	0.02005711	0.01407733	0.25870372	1.03463360
RelInt RSD	*0.50445331*	*0.58192135*	*0.14560615*	*0.66894887*	*0.57446930*	*0.39838612*	*0.59470474*
RelInt SD	*0.01096002*	*0.00064468*	*0.00004691*	*0.00013417*	*0.00008087*	*0.00103064*	*0.00615302*
Conc Mean	104.73512000[mg/l]	0.99843087[mg/l]	1.00634850[mg/l]	1.05007100[mg/l]	0.98403314[mg/l]	4.93918050[mg/l]	0.97583503[mg/l]
Conc RSD	*0.50542312*	*0.58275142*	*0.14610372*	*0.66957786*	*0.57469732*	*0.39839192*	*0.59459340*
Conc SD	*0.52935551[mg/l]*	*0.00581837[mg/l]*	*0.00147031[mg/l]*	*0.00703104[mg/l]*	*0.00565521[mg/l]*	*0.01967730[mg/l]*	*0.00580225[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3316818	16043.43000	177275	1523573	30821822	323485	425265
Int RSD	*0.28872788*	*0.07128669*	*1.00586039*	*0.39459144*	*0.40872701*	*0.20027780*	*0.15801104*
Int SD	*9576.57780*	*11.43683100*	*1783.13760*	*6011.88790*	*125977*	*647.86821000*	*671.96593000*
RelInt Mean	0.10592858	0.00789786	0.00535540	---	---	---	0.27726186
RelInt RSD	*0.26765832*	*0.42416022*	*1.10409236*	---	---	---	*0.25039134*
RelInt SD	*0.00028353*	*0.00003350*	*0.00005913*	---	---	---	*0.00069424*
Conc Mean	1.03443710[mg/l]	0.95559564[mg/l]	1.00565760[mg/l]	1514495	30744493	321159	1.02293430[mg/l]
Conc RSD	*0.26766883*	*0.42477870*	*1.11056198*	---	---	---	*0.25051316*
Conc SD	*0.00276887[mg/l]*	*0.00405917[mg/l]*	*0.01116845[mg/l]*	*5997.88020*	*126033*	*663.11211000*	*0.00256259[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	88511.88700	40069.68500	452388	241655	390594	5395.20590	
Int RSD	*0.18884067*	*0.38065939*	*0.10652440*	*0.19582967*	*0.18625261*	*0.25585365*	
Int SD	*167.14644000*	*152.52902000*	*481.90362000*	*473.23251000*	*727.49176000*	*13.80383100*	
RelInt Mean	0.27418146	0.09941984	0.29340056	0.15669681	0.25261252	0.00028717	
RelInt RSD	*0.02659810*	*0.75285829*	*0.31140492*	*0.55455985*	*0.36440484*	*0.93514782*	
RelInt SD	*0.00007293*	*0.00074849*	*0.00091366*	*0.00086898*	*0.00092053*	*0.00000269*	
Conc Mean	1.02343250[mg/l]	1.00663110[mg/l]	5.37258820[mg/l]	5.60049330[mg/l]	1.01287160[mg/l]	0.02453646[mg/l]	
Conc RSD	*0.02656131*	*0.75654268*	*0.31156996*	*0.55526877*	*0.36592838*	*0.92419531*	
Conc SD	*0.00027184[mg/l]*	*0.00761559[mg/l]*	*0.01673937[mg/l]*	*0.03109779[mg/l]*	*0.00370638[mg/l]*	*0.00022676[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 464785 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482252582189 File : met06_master Time : 24-JUN-2022 21:45
Cal : 482252582001 Caldate : 24-JUN-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33514014	35362063	5.51
Yttrium	A	1559261	1712891	9.85
Yttrium	R	337694	345371	2.27

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2022-06-24 21:45:33	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	51145.54600	2629.15160	3616.32090	9969.88290	7440.49130	1450.74710	7067.10650
Int RSD	*0.33982642*	*3.34033416*	*0.35399881*	*0.43028827*	*0.69934312*	*13.17647576*	*0.52698030*
Int SD	*173.80608000*	*87.82244900*	*12.80173300*	*42.89923700*	*52.03456400*	*191.15734000*	*37.24225900*
RelInt Mean	0.00002800	0.00069028	-0.00002652	0.00189412	0.00008941	0.00293365	0.00002896
RelInt RSD	*3.21063303*	*28.35505496*	*20.36860981*	*2.58775969*	*41.19843969*	*10.89959488*	*93.80344989*
RelInt SD	*0.00000090*	*0.00019573*	*0.00000540*	*0.00004902*	*0.00003683*	*0.00031976*	*0.00002717*
Conc Mean	<-0.00010049[mg/l]	<0.02655231[mg/l]	<0.00058740[mg/l]	0.02718151[mg/l]	<-0.00001075[mg/l]	<0.01328401[mg/l]	<0.00014776[mg/l]
Conc RSD	*40.98633605*	*73.13974841*	*55.15277926*	*2.76675071*	*1096.45693*	*159.56086142*	*109.45793438*
Conc SD	*0.00004119[mg/l]*	*0.01942029[mg/l]*	*0.00032397[mg/l]*	*0.00075204[mg/l]*	*0.00011790[mg/l]*	*0.02119608[mg/l]*	*0.00016174[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6531.67320	49881.12600	9149.81140	799.11368000	3165.84820	8113.19400	4561.00500
Int RSD	*0.37054730*	*0.89929405*	*0.92649481*	*9.99825569*	*2.63367662*	*0.50188844*	*0.03394095*
Int SD	*24.20293900*	*448.57800000*	*84.77252800*	*79.89742900*	*83.37820400*	*40.71918300*	*1.54804830*
RelInt Mean	0.00004589	0.00014507	0.00062744	0.00045480	0.00019939	0.00015142	0.00004551
RelInt RSD	*37.63834430*	*5.22135524*	*6.87975904*	*27.49455361*	*72.27564300*	*18.10243070*	*22.74039790*
RelInt SD	*0.00001727*	*0.00000757*	*0.00004317*	*0.00012505*	*0.00014411*	*0.00002741*	*0.00001035*
Conc Mean	<-0.00022779[mg/l]	<-0.00041405[mg/l]	0.00084677[mg/l]	<0.26211273[mg/l]	<0.04740764[mg/l]	<0.00004112[mg/l]	<0.00031726[mg/l]
Conc RSD	*59.75379559*	*63.90745918*	*20.26347066*	*39.93974272*	*94.01475214*	*51.81848110*	*25.14131407*
Conc SD	*0.00013611[mg/l]*	*0.00026461[mg/l]*	*0.00017159[mg/l]*	*0.10468715[mg/l]*	*0.04457018[mg/l]*	*0.00002131[mg/l]*	*0.00007976[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	16240.00500	7652.46420	7201.50580	5136.14540	3815.41440	3616.35250	2219.70970
Int RSD	*0.87053452*	*0.73581383*	*0.70705570*	*0.65105297*	*0.22738100*	*1.40953853*	*1.73313758*
Int SD	*141.37485000*	*56.30789000*	*50.91865700*	*33.43902700*	*8.67552730*	*50.97388200*	*38.47062300*
RelInt Mean	0.01582037	0.00013692	-0.00003735	0.00001536	-0.00000065	0.00002694	-0.00004467
RelInt RSD	*3.08676338*	*22.87082916*	*33.73808545*	*172.97859011*	*2079.93359*	*86.93571072*	*293.33554011*
RelInt SD	*0.00048834*	*0.00003132*	*0.00001260*	*0.00002656*	*0.00001359*	*0.00002342*	*0.00013105*
Conc Mean	0.56223348[mg/l]	<-0.00019138[mg/l]	<-0.00058426[mg/l]	<0.00261390[mg/l]	<-0.00043584[mg/l]	<0.00045566[mg/l]	<0.00014269[mg/l]
Conc RSD	*4.19509311*	*147.67869384*	*67.51837160*	*53.36490455*	*218.02085820*	*98.14453446*	*86.60444481*
Conc SD	*0.02358622[mg/l]*	*0.00028263[mg/l]*	*0.00039448[mg/l]*	*0.00139491[mg/l]*	*0.00095022[mg/l]*	*0.00044720[mg/l]*	*0.00012358[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	54375.70500	3551.81250	12275.28500	1712891	35362063	345371	5380.22890
Int RSD	*0.39221836*	*0.37341219*	*0.87373572*	*0.73014752*	*0.32224005*	*0.51128665*	*0.51839073*
Int SD	*213.27150000*	*13.26290100*	*107.25355000*	*12506.63400*	*113951*	*1765.83530*	*27.89060800*
RelInt Mean	0.00000780	0.00000007	0.00002518	---	---	---	0.00031864
RelInt RSD	*28.63697017*	*17747.09441*	*11.72901308*	---	---	---	*4.82221655*
RelInt SD	*0.00000223*	*0.00001181*	*0.00000295*	---	---	---	*0.00001537*
Conc Mean	<0.00003457[mg/l]	<0.00356364[mg/l]	<-0.00061617[mg/l]	1704228	35285718	342875	0.00051304[mg/l]
Conc RSD	*63.12783004*	*40.19173027*	*90.52406692*	---	---	---	*11.05018275*
Conc SD	*0.00002182[mg/l]*	*0.00143229[mg/l]*	*0.00055778[mg/l]*	*12530.86100*	*114320*	*1724.66460*	*0.00005669[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	264.42833000	8656.62650	8605.95380	3943.99720	7252.70330	4515.22830	
Int RSD	*5.79447028*	*0.43483403*	*0.78158579*	*1.78892647*	*0.35411524*	*0.41250840*	
Int SD	*15.32222100*	*37.64195800*	*67.26291200*	*70.55521000*	*25.68292800*	*18.62569600*	
RelInt Mean	-0.00036239	0.00077344	0.00089754	0.00014941	0.00014431	-0.00002420	
RelInt RSD	*21.34845488*	*40.69543120*	*5.63382456*	*29.34968878*	*20.17758819*	*58.88398246*	
RelInt SD	*0.00007736*	*0.00031475*	*0.00005057*	*0.00004385*	*0.00002912*	*0.00001425*	
Conc Mean	<0.00012779[mg/l]	<0.00294917[mg/l]	0.00875372[mg/l]	<-0.00179765[mg/l]	<0.00041671[mg/l]	<-0.00175603[mg/l]	
Conc RSD	*225.64309267*	*108.58889013*	*10.61845183*	*87.29635305*	*27.86990119*	*68.52024221*	
Conc SD	*0.00028836[mg/l]*	*0.00320247[mg/l]*	*0.00092951[mg/l]*	*0.00156928[mg/l]*	*0.00011614[mg/l]*	*0.00120324[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 464785 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482252582200 File : met06_master Time : 24-JUN-2022 22:21
Cal : 482252582001 Caldate : 24-JUN-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0322	0.0323	1.000	1.008	mg/l	1	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33514014	30982416	-7.55
Yttrium	A	1559261	1510568	-3.12
Yttrium	R	337694	320648	-5.05

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S16870 | Sample Type: Control Sample

Measure Date: 2022-06-24 22:21:20 | Recalculation Date: | State: Check failed | Quality: Failed

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	384917	7594.70090	30365.47000	113124	475917	485816	259693
Int RSD	*0.35805544*	*1.97597051*	*0.66388352*	*0.16261673*	*0.10016039*	*0.20206566*	*0.41612420*
Int SD	*1378.21760*	*150.06905000*	*201.59135000*	*183.95848000*	*476.68042000*	*981.66640000*	*1080.64410*
RelInt Mean	0.01083088	0.01070564	0.01756542	0.07053730	0.31173794	1.52399060	0.16788521
RelInt RSD	*0.80940464*	*3.93812270*	*0.65739969*	*0.46913308*	*0.40049803*	*0.37113149*	*0.65010134*
RelInt SD	*0.00008767*	*0.00042160*	*0.00011547*	*0.00033091*	*0.00124850*	*0.00565601*	*0.00109142*
Conc Mean	0.49481502[mg/l]	1.02027240[mg/l]	1.05484330[mg/l]	1.08037680[mg/l]	0.99600351[mg/l]	100.84169000[mg/l]	0.99785049[mg/l]
Conc RSD	*0.81166817*	*4.09999379*	*0.65673647*	*0.46995080*	*0.39966702*	*0.37179706*	*0.65060545*
Conc SD	*0.00401626[mg/l]*	*0.04183110[mg/l]*	*0.00692754[mg/l]*	*0.00507724[mg/l]*	*0.00398070[mg/l]*	*0.37492644[mg/l]*	*0.00649207[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	191592	897933	391271	42638.39400	112285	1893116	207730
Int RSD	*0.18013357*	*0.65043375*	*0.21545406*	*0.35656993*	*0.60371247*	*0.27892026*	*0.37557990*
Int SD	*345.12164000*	*5840.45650*	*843.00827000*	*152.03569000*	*677.87758000*	*5280.28300*	*780.19055000*
RelInt Mean	0.12283549	0.02753807	0.25483211	0.13196724	0.34244750	1.25489010	0.13509129
RelInt RSD	*0.48358872*	*1.09501337*	*0.49895886*	*0.59146872*	*0.90227705*	*0.02795662*	*0.65817124*
RelInt SD	*0.00059402*	*0.00030155*	*0.00127151*	*0.00078054*	*0.00308983*	*0.00035082*	*0.00088913*
Conc Mean	0.96750924[mg/l]	0.95650112[mg/l]	1.01130490[mg/l]	110.36335000[mg/l]	105.89957000[mg/l]	0.97533757[mg/l]	1.04122970[mg/l]
Conc RSD	*0.48388248*	*1.10128925*	*0.49977520*	*0.59210500*	*0.90239849*	*0.02795933*	*0.65819376*
Conc SD	*0.00468161[mg/l]*	*0.01053384[mg/l]*	*0.00505425[mg/l]*	*0.65346691[mg/l]*	*0.95563612[mg/l]*	*0.00027270[mg/l]*	*0.00685331[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	710634	173437	56088.69900	35265.80000	25184.77300	390928	334012
Int RSD	*0.48498847*	*0.10689295*	*0.35365436*	*0.18129485*	*0.96627589*	*0.27978145*	*0.35277140*
Int SD	*3446.49110*	*185.39176000*	*198.36013000*	*63.93507800*	*243.35439000*	*1093.74540*	*1178.29780*
RelInt Mean	2.19651660	0.11015527	0.03227043	0.01989393	0.01405951	0.25774100	1.04237680
RelInt RSD	*0.54240924*	*0.31005887*	*0.68101263*	*0.35201341*	*1.43719699*	*0.54836658*	*0.44602292*
RelInt SD	*0.01191411*	*0.00034155*	*0.00021977*	*0.00007003*	*0.00020206*	*0.00141337*	*0.00464924*
Conc Mean	105.88766000[mg/l]	0.99274770[mg/l]	1.00799220[mg/l]	1.04149010[mg/l]	0.98278693[mg/l]	4.92079980[mg/l]	0.98313683[mg/l]
Conc RSD	*0.54344568*	*0.31050115*	*0.68089766*	*0.35143167*	*1.43776759*	*0.54837299*	*0.44594264*
Conc SD	*0.57544191[mg/l]*	*0.00308249[mg/l]*	*0.00686340[mg/l]*	*0.00366013[mg/l]*	*0.01413019[mg/l]*	*0.02698434[mg/l]*	*0.00438423[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3283008	15881.85300	175482	1510568	30982416	320648	418494
Int RSD	*0.83569397*	*0.25924843*	*0.40384366*	*0.30052155*	*0.38150166*	*0.25541680*	*0.06240329*
Int SD	*27435.89900*	*41.17345400*	*708.67151000*	*4539.58170*	*118198*	*818.98800000*	*261.15391000*
RelInt Mean	0.10431541	0.00792335	0.00527690	---	---	---	0.27520816
RelInt RSD	*1.23003850*	*0.54627691*	*0.82901830*	---	---	---	*0.27014356*
RelInt SD	*0.00128312*	*0.00004328*	*0.00004375*	---	---	---	*0.00074346*
Conc Mean	1.01868320[mg/l]	0.95871754[mg/l]	0.99083090[mg/l]	1501736	30906693	318372	1.01534820[mg/l]
Conc RSD	*1.23008831*	*0.54228950*	*0.83364273*	---	---	---	*0.27023539*
Conc SD	*0.01253070[mg/l]*	*0.00519902[mg/l]*	*0.00825999[mg/l]*	*4475.64720*	*118138*	*771.21459000*	*0.00274383[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	88787.83100	40120.53300	448849	238976	388835	5439.14350	
Int RSD	*0.54143044*	*0.63440443*	*0.21470634*	*0.39359624*	*0.18863685*	*1.69850527*	
Int SD	*480.72434000*	*254.52644000*	*963.70711000*	*940.60048000*	*733.48529000*	*92.38413900*	
RelInt Mean	0.27752453	0.10088376	0.29366385	0.15628489	0.25370167	0.00039517	
RelInt RSD	*0.71735353*	*0.77731097*	*0.47078600*	*0.60734936*	*0.39766195*	*17.87207821*	
RelInt SD	*0.00199083*	*0.00078418*	*0.00138253*	*0.00094920*	*0.00100888*	*0.00007063*	
Conc Mean	1.03589310[mg/l]	1.02152580[mg/l]	5.37737490[mg/l]	5.58575220[mg/l]	1.01729000[mg/l]	0.03365589[mg/l]	
Conc RSD	*0.71633102*	*0.78105444*	*0.47113427*	*0.60812531*	*0.39871011*	*17.71947827*	
Conc SD	*0.00742042[mg/l]*	*0.00797867[mg/l]*	*0.02533466[mg/l]*	*0.03396837[mg/l]*	*0.00405604[mg/l]*	*0.00596365[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 464785 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482252582201 File : met06_master Time : 24-JUN-2022 22:24
Cal : 482252582001 Caldate : 24-JUN-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33514014	35038961	4.55
Yttrium	A	1559261	1686625	8.17
Yttrium	R	337694	342251	1.35

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2022-06-24 22:24:35	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	50080.89900	2525.85460	3541.51210	7935.20750	7208.76450	1398.59570	6857.14050
Int RSD	*0.40291509*	*1.50221913*	*0.70082677*	*0.52960766*	*0.62046624*	*7.43951236*	*0.54907457*
Int SD	*201.78350000*	*37.94387100*	*24.81986500*	*42.02546700*	*44.72795000*	*104.04870000*	*37.65081500*
RelInt Mean	0.00004029	0.00040028	-0.00000964	0.00083526	0.00008397	0.00304514	0.00001801
RelInt RSD	*6.72237498*	*55.40825244*	*105.13858483*	*3.56468571*	*23.03158333*	*13.52132042*	*119.79179867*
RelInt SD	*0.00000271*	*0.00022179*	*0.00001013*	*0.00002977*	*0.00001934*	*0.00041174*	*0.00002157*
Conc Mean	<0.00046244[mg/l]	<-0.00222140[mg/l]	<0.00160000[mg/l]	0.01093530[mg/l]	<-0.00002998[mg/l]	<0.02067452[mg/l]	<0.00008263[mg/l]
Conc RSD	*26.83052044*	*990.63294051*	*37.97809484*	*4.17755827*	*208.50600923*	*132.01638384*	*155.37260475*
Conc SD	*0.00012408[mg/l]*	*0.02200594[mg/l]*	*0.00060765[mg/l]*	*0.00045683[mg/l]*	*0.00006251[mg/l]*	*0.02729375[mg/l]*	*0.00012838[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6344.07260	48617.60000	8231.06800	717.87763000	3099.84170	7812.49880	4540.76310
Int RSD	*0.42530736*	*0.32778282*	*0.40392733*	*19.95328786*	*6.60661123*	*0.39954903*	*0.51438195*
Int SD	*26.98180800*	*159.36014000*	*33.24753300*	*143.24019000*	*204.79449000*	*31.21476300*	*23.35686600*
RelInt Mean	0.00005828	0.00014299	0.00022571	0.00041840	0.00007819	0.00010290	0.00010893
RelInt RSD	*14.61466995*	*2.82736158*	*16.39187486*	*95.41109234*	*708.62021272*	*18.11483327*	*18.70146399*
RelInt SD	*0.00000852*	*0.00000404*	*0.00003700*	*0.00039920*	*0.00055404*	*0.00001864*	*0.00002037*
Conc Mean	<-0.00013010[mg/l]	<-0.00048669[mg/l]	<-0.00075011[mg/l]	<0.23164145[mg/l]	<0.00992232[mg/l]	<0.00000340[mg/l]	0.00080612[mg/l]
Conc RSD	*51.60020487*	*29.01885064*	*19.60562430*	*144.27919960*	*1726.97313*	*425.88581074*	*19.47855270*
Conc SD	*0.00006713[mg/l]*	*0.00014123[mg/l]*	*0.00014706[mg/l]*	*0.33421043[mg/l]*	*0.17135583[mg/l]*	*0.00001449[mg/l]*	*0.00015702[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	13917.61100	7437.39640	6987.53820	4927.38860	3697.46360	3456.97340	2150.78400
Int RSD	*1.38160163*	*0.65955192*	*0.37807617*	*0.53642810*	*0.48920103*	*1.22959743*	*1.06156178*
Int SD	*192.28594000*	*49.05349100*	*26.41821700*	*26.43189700*	*18.08803000*	*42.50685600*	*22.83190100*
RelInt Mean	0.00930161	0.00013711	-0.00003113	-0.00001954	0.00000590	-0.00000664	-0.00024929
RelInt RSD	*4.12137115*	*10.56533434*	*39.20219271*	*98.51210243*	*196.38090935*	*319.08168571*	*46.92338445*
RelInt SD	*0.00038335*	*0.00001449*	*0.00001220*	*0.00001925*	*0.00001159*	*0.00002118*	*0.00011697*
Conc Mean	0.24738361[mg/l]	<-0.00018969[mg/l]	<-0.00038411[mg/l]	<0.00077984[mg/l]	<0.00002272[mg/l]	<-0.00018548[mg/l]	<-0.00005026[mg/l]
Conc RSD	*7.48456779*	*68.92495156*	*98.05105502*	*129.72980605*	*3569.12746*	*218.01791359*	*219.47588679*
Conc SD	*0.01851559[mg/l]*	*0.00013074[mg/l]*	*0.00037662[mg/l]*	*0.00101168[mg/l]*	*0.00081080[mg/l]*	*0.00040439[mg/l]*	*0.00011031[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	52707.28300	3450.45200	11949.79800	1686625	35038961	342251	5134.38910
Int RSD	*0.55568006*	*0.37923889*	*1.27882061*	*0.37247058*	*0.23653880*	*0.24634048*	*0.32214680*
Int SD	*292.88386000*	*13.08545600*	*152.81648000*	*6282.18010*	*82880.73800*	*843.10363000*	*16.54027000*
RelInt Mean	0.00000243	-0.00001383	0.00002638	---	---	---	0.00026769
RelInt RSD	*165.57683144*	*83.50934634*	*19.87548303*	---	---	---	*6.51909250*
RelInt SD	*0.00000402*	*0.00001155*	*0.00000524*	---	---	---	*0.00001745*
Conc Mean	<-0.00001790[mg/l]	<0.00187763[mg/l]	<-0.00038896[mg/l]	1678227	34964027	339767	<0.00032478[mg/l]
Conc RSD	*219.47446569*	*74.59893868*	*254.63286416*	---	---	---	*19.84826389*
Conc SD	*0.00003929[mg/l]*	*0.00140069[mg/l]*	*0.00099043[mg/l]*	*6293.43560*	*83144.09000*	*764.95207000*	*0.00006446[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	387.79898000	8537.40580	7894.42190	3964.77390	6963.80320	4508.52570	
Int RSD	*44.74321206*	*1.25333283*	*0.40035857*	*2.08543718*	*0.32959669*	*1.16358299*	
Int SD	*173.51372000*	*107.00211000*	*31.60599500*	*82.68286900*	*22.95246500*	*52.46043800*	
RelInt Mean	-0.00007650	0.00055073	0.00057710	0.00021368	0.00008877	0.00002453	
RelInt RSD	*300.51307090*	*49.13483687*	*5.93978349*	*24.29777129*	*34.44317670*	*68.04693933*	
RelInt SD	*0.00022989*	*0.00027060*	*0.00003428*	*0.00005192*	*0.00003058*	*0.00001669*	
Conc Mean	<0.00119338[mg/l]	<0.00068324[mg/l]	0.00284087[mg/l]	<0.00050229[mg/l]	<0.00018947[mg/l]	<0.00235905[mg/l]	
Conc RSD	*71.80060512*	*402.96876097*	*22.20583987*	*369.90854933*	*65.81840149*	*59.75767654*	
Conc SD	*0.00085686[mg/l]*	*0.00275324[mg/l]*	*0.00063084[mg/l]*	*0.00185800[mg/l]*	*0.00012471[mg/l]*	*0.00140971[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 464785 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482252582212 File : met06_master Time : 24-JUN-2022 23:00
Cal : 482252582001 Caldate : 24-JUN-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0322	0.0320	1.000	1.001	mg/l	0	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33514014	30456359	-9.12
Yttrium	A	1559261	1485937	-4.70
Yttrium	R	337694	316516	-6.27

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S16870	Sample Type: Control Sample		
Measure Date: 2022-06-24 23:00:14	Recalculation Date:	State: Check failed	Quality: Failed

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	379609	7567.27700	29935.29200	111837	468788	483417	254990
Int RSD	*0.34744122*	*1.12268741*	*0.39377872*	*0.41003526*	*0.36614996*	*0.21985921*	*0.44625211*
Int SD	*1318.91940*	*84.95686600*	*117.87881000*	*458.57003000*	*1716.46680*	*1062.83720*	*1137.89860*
RelInt Mean	0.01089129	0.01093245	0.01761758	0.07097620	0.31220646	1.53631220	0.16762171
RelInt RSD	*0.51115474*	*1.27759872*	*1.22925622*	*0.72290712*	*0.59331245*	*0.25426818*	*1.00084422*
RelInt SD	*0.00005567*	*0.00013967*	*0.00021657*	*0.00051309*	*0.00185236*	*0.00390635*	*0.00167763*
Conc Mean	0.49758245[mg/l]	1.04277690[mg/l]	1.05797180[mg/l]	1.08711080[mg/l]	0.99748109[mg/l]	101.65847000[mg/l]	0.99626432[mg/l]
Conc RSD	*0.51257360*	*1.32897430*	*1.22721003*	*0.72415772*	*0.59284149*	*0.25472079*	*1.00354060*
Conc SD	*0.00255048[mg/l]*	*0.01385824[mg/l]*	*0.01298354[mg/l]*	*0.00787240[mg/l]*	*0.00591348[mg/l]*	*0.25894526[mg/l]*	*0.00999792[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	188470	891524	400059	42658.84900	111895	1882549	205621
Int RSD	*0.21001198*	*0.51514220*	*1.05680728*	*0.36434134*	*0.63638351*	*0.65123153*	*0.17316330*
Int SD	*395.80987000*	*4592.61790*	*4227.85400*	*155.42382000*	*712.08292000*	*12259.75000*	*356.05926000*
RelInt Mean	0.12285915	0.02784148	0.26516584	0.13406866	0.34582582	1.26866510	0.13599579
RelInt RSD	*0.68348984*	*0.79415855*	*1.17874859*	*0.17808038*	*0.66358501*	*0.24017115*	*0.77034591*
RelInt SD	*0.00083973*	*0.00022111*	*0.00312564*	*0.00023875*	*0.00229485*	*0.00304697*	*0.00104764*
Conc Mean	0.96769574[mg/l]	0.96710007[mg/l]	1.05238120[mg/l]	112.12265000[mg/l]	106.94443000[mg/l]	0.98604474[mg/l]	1.04820140[mg/l]
Conc RSD	*0.68390514*	*0.79865990*	*1.18059549*	*0.17827028*	*0.66367323*	*0.24018892*	*0.77037124*
Conc SD	*0.00661812[mg/l]*	*0.00772384[mg/l]*	*0.01242437[mg/l]*	*0.19988136[mg/l]*	*0.70976155[mg/l]*	*0.00236837[mg/l]*	*0.00807504[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	707947	169901	54726.06100	34753.25200	24928.46600	383068	332231
Int RSD	*0.23546319*	*0.32444936*	*0.39276741*	*0.19291863*	*1.03368045*	*0.10828375*	*0.10020562*
Int SD	*1666.95570*	*551.24170000*	*214.94613000*	*67.04549800*	*257.68068000*	*414.79984000*	*332.91403000*
RelInt Mean	2.21687160	0.10975273	0.03203366	0.01998013	0.01419654	0.25674980	1.05040030
RelInt RSD	*0.19636004*	*0.62267762*	*0.92535456*	*0.89423374*	*2.17116478*	*0.79712611*	*0.24287826*
RelInt SD	*0.00435305*	*0.00068341*	*0.00029642*	*0.00017867*	*0.00030823*	*0.00204662*	*0.00255119*
Conc Mean	106.87079000[mg/l]	0.98911459[mg/l]	1.00059490[mg/l]	1.04601900[mg/l]	0.99236917[mg/l]	4.90187570[mg/l]	0.99070291[mg/l]
Conc RSD	*0.19672831*	*0.62357744*	*0.92516812*	*0.89395345*	*2.17202002*	*0.79713570*	*0.24283623*
Conc SD	*0.21024510[mg/l]*	*0.00616790[mg/l]*	*0.00925718[mg/l]*	*0.00935092[mg/l]*	*0.02155446[mg/l]*	*0.03907460[mg/l]*	*0.00240579[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3258022	15605.18500	172871	1485937	30456359	316516	407554
Int RSD	*0.44469123*	*0.15561135*	*0.63190713*	*0.89282976*	*0.41374184*	*0.16106133*	*0.30075672*
Int SD	*14488.13800*	*24.28343900*	*1092.38430*	*13266.88500*	*126011*	*509.78422000*	*1225.74730*
RelInt Mean	0.10534529	0.00795338	0.00529470	---	---	---	0.27246851
RelInt RSD	*0.64741458*	*1.17370675*	*0.66186560*	---	---	---	*0.59805627*
RelInt SD	*0.00068202*	*0.00009335*	*0.00003504*	---	---	---	*0.00162952*
Conc Mean	1.02874080[mg/l]	0.96231428[mg/l]	0.99418923[mg/l]	1477296	30382412	314271	1.00522900[mg/l]
Conc RSD	*0.64744154*	*1.17416620*	*0.66578290*	---	---	---	*0.59840744*
Conc SD	*0.00666050[mg/l]*	*0.01129917[mg/l]*	*0.00661914[mg/l]*	*13243.01400*	*125895*	*539.81010000*	*0.00601537[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	88885.28600	39967.18000	442107	233946	383327	5097.91410	
Int RSD	*0.32020110*	*0.09136072*	*0.19321613*	*0.16815086*	*0.15551824*	*0.43491325*	
Int SD	*284.61166000*	*36.51430200*	*854.22239000*	*393.38299000*	*596.14388000*	*22.17150400*	
RelInt Mean	0.28153095	0.10205691	0.29410763	0.15556480	0.25434142	0.00024579	
RelInt RSD	*0.21486312*	*0.29474543*	*0.68802560*	*0.96802734*	*0.76577386*	*4.84605146*	
RelInt SD	*0.00060491*	*0.00030081*	*0.00202354*	*0.00150591*	*0.00194768*	*0.00001191*	
Conc Mean	1.05082620[mg/l]	1.03346200[mg/l]	5.38539140[mg/l]	5.55998270[mg/l]	1.01985400[mg/l]	0.02104179[mg/l]	
Conc RSD	*0.21456043*	*0.29614896*	*0.68869225*	*0.96926866*	*0.76459275*	*4.77986881*	
Conc SD	*0.00225466[mg/l]*	*0.00306059[mg/l]*	*0.03708877[mg/l]*	*0.05389117[mg/l]*	*0.00779773[mg/l]*	*0.00100577[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 464785 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482252582213 File : met06_master Time : 24-JUN-2022 23:03
Cal : 482252582001 Caldate : 24-JUN-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33514014	34845400	3.97
Yttrium	A	1559261	1673357	7.32
Yttrium	R	337694	341271	1.06

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2022-06-24 23:03:28	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	48936.78900	2523.64340	3428.91820	7516.60150	7041.00750	1297.86960	6659.87410
Int RSD	*0.18296101*	*4.70984332*	*0.61870111*	*0.64009595*	*0.62917947*	*4.28130091*	*0.56361199*
Int SD	*89.53524300*	*118.85965000*	*21.21475500*	*48.11346200*	*44.30057400*	*55.56570300*	*37.53584900*
RelInt Mean	0.00003144	0.00074065	-0.00002309	0.00069944	0.00009645	0.00273009	0.00002860
RelInt RSD	*4.79854206*	*54.05544206*	*62.68729286*	*4.68143642*	*18.54116639*	*3.35531386*	*47.57056155*
RelInt SD	*0.00000151*	*0.00040036*	*0.00001448*	*0.00003274*	*0.00001788*	*0.00009160*	*0.00001360*
Conc Mean	<0.00005688[mg/l]	<0.03154954[mg/l]	<0.00079275[mg/l]	0.00885138[mg/l]	<0.00000981[mg/l]	<-0.00020942[mg/l]	<0.00014553[mg/l]
Conc RSD	*121.48937861*	*125.90893090*	*109.52397081*	*5.67580414*	*586.17039251*	*2899.56481*	*55.63735021*
Conc SD	*0.00006911[mg/l]*	*0.03972369[mg/l]*	*0.00086825[mg/l]*	*0.00050239[mg/l]*	*0.00005751[mg/l]*	*0.00607222[mg/l]*	*0.00008097[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6207.40600	47512.95700	10910.58700	790.91945000	2946.38820	7645.37940	4396.46640
Int RSD	*0.61259423*	*0.18920834*	*3.55021632*	*30.49395485*	*7.86505695*	*0.83973581*	*1.56766586*
Int SD	*38.02621100*	*89.89847600*	*387.34944000*	*241.18262000*	*231.73511000*	*64.20098900*	*68.92190300*
RelInt Mean	0.00007750	0.00014350	0.00198189	0.00058036	-0.00018192	0.00014973	0.00011721
RelInt RSD	*42.02813647*	*0.61445774*	*11.06468665*	*86.95301078*	*138.50601594*	*13.04266180*	*27.13984317*
RelInt SD	*0.00003257*	*0.00000088*	*0.00021929*	*0.00050464*	*0.00025197*	*0.00001953*	*0.00003181*
Conc Mean	<0.00002137[mg/l]	<-0.00046913[mg/l]	0.00623067[mg/l]	<0.36722771[mg/l]	<-0.07052469[mg/l]	<0.00003981[mg/l]	0.00086991[mg/l]
Conc RSD	*1201.30035*	*6.56562033*	*13.99001182*	*115.04562660*	*110.50166231*	*38.13349442*	*28.18486171*
Conc SD	*0.00025670[mg/l]*	*0.00003080[mg/l]*	*0.00087167[mg/l]*	*0.42247942[mg/l]*	*0.07793096[mg/l]*	*0.00001518[mg/l]*	*0.00024518[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	13396.73400	7197.94180	6803.20770	4800.31290	3609.55450	3393.42140	2139.21720
Int RSD	*4.94671253*	*0.62502974*	*0.64415712*	*1.11450618*	*0.68064851*	*0.26798347*	*7.95669276*
Int SD	*662.69792000*	*44.98927700*	*43.82334700*	*53.49978400*	*24.56837900*	*9.09380840*	*170.21094000*
RelInt Mean	0.00847018	0.00012293	-0.00002209	-0.00001458	0.00000224	0.00001080	-0.00014961
RelInt RSD	*9.61119656*	*4.06562390*	*60.44620809*	*141.11930473*	*807.89051738*	*99.46933296*	*311.46034546*
RelInt SD	*0.00081409*	*0.00000500*	*0.00001336*	*0.00002058*	*0.00001814*	*0.00001074*	*0.00046599*
Conc Mean	0.20722658[mg/l]	<-0.00031764[mg/l]	<-0.00010884[mg/l]	<0.00103938[mg/l]	<-0.00023317[mg/l]	<0.00014747[mg/l]	<0.00004373[mg/l]
Conc RSD	*18.97416828*	*14.20102357*	*382.99912492*	*103.89609502*	*543.93404314*	*139.09636800*	*1004.78891*
Conc SD	*0.03931952[mg/l]*	*0.00004511[mg/l]*	*0.00041684[mg/l]*	*0.00107987[mg/l]*	*0.00126828[mg/l]*	*0.00020512[mg/l]*	*0.00043942[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	51923.83200	3357.67170	11620.67800	1673357	34845400	341271	4994.59110
Int RSD	*0.25889395*	*0.04538961*	*0.71000303*	*0.45376587*	*0.31934405*	*0.05022130*	*0.54292549*
Int SD	*134.42766000*	*1.52403410*	*82.50716600*	*7593.12250*	*111277*	*171.39081000*	*27.11690800*
RelInt Mean	0.00001097	-0.00000045	0.00002406	---	---	---	0.00026745
RelInt RSD	*16.71103057*	*1539.54132*	*16.16753710*	---	---	---	*9.56698548*
RelInt SD	*0.00000183*	*0.00000695*	*0.00000389*	---	---	---	*0.00002559*
Conc Mean	<0.00006550[mg/l]	0.00349931[mg/l]	<-0.00082747[mg/l]	1665188	34771786	338819	<0.00032384[mg/l]
Conc RSD	*27.33220522*	*24.08464440*	*88.78089531*	---	---	---	*29.15059509*
Conc SD	*0.00001790[mg/l]*	*0.00084280[mg/l]*	*0.00073464[mg/l]*	*7574.95320*	*111578*	*304.63007000*	*0.00009440[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	391.97063000	8385.90510	7699.67040	3793.24840	6788.85620	4306.89000	
Int RSD	*15.26044515*	*7.18210811*	*1.21117010*	*0.08744089*	*0.26285877*	*0.43195879*	
Int SD	*59.81646300*	*602.28477000*	*93.25610600*	*3.31685020*	*17.84510400*	*18.60399000*	
RelInt Mean	-0.00012167	0.00043093	0.00061291	0.00016244	0.00010780	-0.00002575	
RelInt RSD	*136.82245048*	*154.98323397*	*3.75982364*	*5.77167664*	*21.68430098*	*45.18454658*	
RelInt SD	*0.00016647*	*0.00066787*	*0.00002304*	*0.00000938*	*0.00002338*	*0.00001163*	
Conc Mean	<0.00102501[mg/l]	<-0.00053567[mg/l]	0.00349895[mg/l]	<-0.00133127[mg/l]	<0.00026902[mg/l]	<-0.00188663[mg/l]	
Conc RSD	*60.53552556*	*1268.55264*	*11.97227377*	*25.20312811*	*36.11053209*	*52.06705417*	
Conc SD	*0.00062050[mg/l]*	*0.00679528[mg/l]*	*0.00041890[mg/l]*	*0.00033552[mg/l]*	*0.00009714[mg/l]*	*0.00098231[mg/l]*	

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

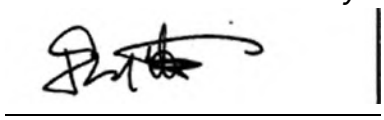
Lab Job Number: 465889
Report Level: II
Report Date: 01/05/2023

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	465889
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	07/18/22

Sample ID	Lab ID	Collected	Matrix
DOOR-N-0.1GW-DG-6 TO 19-220716-P-LA	465889-001	07/16/22 10:13	Wipe
DOOR-N-0.1GW-DG-6 TO 19-220716-L-LA	465889-002	07/16/22 10:13	Wipe
DOOR-N-0.3GW-DG-5 TO 19-220716-P-LA	465889-003	07/16/22 11:19	Wipe
DOOR-N-0.3GW-DG-5 TO 19-220716-L-LA	465889-004	07/16/22 11:19	Wipe
ARCH-C1W-PS-6.5-220716-P-G	465889-005	07/16/22 10:37	Wipe
ARCH-C1W-PS-6.5-220716-L-G	465889-006	07/16/22 10:37	Wipe
DOOR-N-0.3GW-EXT-4 TO 5-220716-P-CB	465889-007	07/16/22 12:26	Wipe
DOOR-N-0.3GW-EXT-4 TO 5-220716-L-CB	465889-008	07/16/22 12:26	Wipe
DOOR-N-0.3GW-EXT-4 TO 5-220716-L-DUP-CB	465889-009	07/16/22 12:26	Wipe
220716-P-MEDBLANK	465889-010	07/16/22 14:39	Wipe
220716-L-MEDBLANK	465889-011	07/16/22 14:39	Wipe
DOOR-N-0.4GW-PS-19-220716-P-G	465889-012	07/16/22 11:35	Wipe
DOOR-N-0.4GW-PS-19-220716-L-G	465889-013	07/16/22 11:35	Wipe
DOOR-N-0.2GW-PS-19-220716-P-G	465889-014	07/16/22 11:01	Wipe
DOOR-N-0.2GW-PS-19-220716-P-DUP-G	465889-015	07/16/22 11:01	Wipe
DOOR-N-0.2GW-PS-19-220716-L-G	465889-016	07/16/22 11:01	Wipe
ARCH-C1W-DG-6.5 TO 7-220716-P-FB	465889-017	07/16/22 09:47	Wipe
ARCH-C1W-DG-6.5 TO 7-220716-L-FB	465889-018	07/16/22 09:47	Wipe

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 465889 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 07/18/22

This data package contains sample and QC results for eighteen wipe samples, requested for the above referenced project on 07/19/22. The samples were received cold and intact. Reissued 1/5/23 to revise the preparation method reference.

PCBs (EPA 8082):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

465889

ENTHALPY ANALYTICAL

Chain of Custody Record — COC ID:

Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim and T. Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	DOOR-N-0.1GW-DG-6 TO 19-220716-P- LA	7/16/2022	1013	WP	1		X			~~2x Rivet Type1 =~~ TS
2	DOOR-N-0.1GW-DG-6 TO 19-220716-L- LA	7/16/2022	1013	WP	1			X		2x Rivet Type1 = 0.0276 ft² added area
3	DOOR-N-0.3GW-DG-5 TO 19-220716-P- LA	7/16/2022	1119	WP	1		X			
4	DOOR-N-0.3GW-DG-5 TO 19-220716-L- LA	7/16/2022	1119	WP	1			X		2x Rivet Type 1 = 0.0276 ft² added area
5	~~DOOR-N-0.4GW-PS-20-220716-P-~~	~~7/16/2022~~		WP	1		X		TS	
6	~~DOOR-N-0.4GW-PS-20-220716-L-~~	~~7/16/2022~~		WP	1			X	TS	
7	ARCH-C1W-PS-6.5-220716-P- G	7/16/2022	1037	WP	1		X			
8	ARCH-C1W-PS-6.5-220716-L- G	7/16/2022	1037	WP	1			X		
9	~~ARCH-C1W-DG-6 TO 6.5-220716-P-~~	~~7/16/2022~~		WP	1		X		TS	
10	~~ARCH-C1W-DG-6 TO 6.5-220716-L-~~	~~7/16/2022~~		WP	1			X	TS	
11	~~DOOR-N-0.2GW-PS-20-220716-P-~~	~~7/16/2022~~		WP	1		X		TS	
12	~~DOOR-N-0.2GW-PS-20-220716-P-DUP-~~	~~7/16/2022~~		WP	1		X		TS	
13	~~DOOR-N-0.2GW-PS-20-220716-L-~~	~~7/16/2022~~		WP	1			X	TS	
14	DOOR-N-0.3GW-EXT-4 TO 5-220716-P- CB	7/16/2022	1226	WP	1		X			
15	DOOR-N-0.3GW-EXT-4 TO 5-220716-L- CB	7/16/2022	1226	WP	1			X		

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michaela Kim	Rincon / Env Scientist	07/18/22 1222
1 Received By:	Audrey Hudson	AUDREY HUDSON II	ENTHALPY	07/18/22 12:22
2 Relinquished By:	Audrey Hudson		ENTHALPY	7/18/22 14:48
2 Received By:		Maureen Kip	EA	7/18/22 14:48
3 Relinquished By:		Maureen Kip	EA	7/18 22 16 05
3 Received By:		NICK G	EA	7-A-22 1(:00

465889

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim and T. Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
16	DOOR-N-0.3GW-EXT-4 TO 5-220716-L-DUP- CB	7/16/2022	1226	WP	1			X		—
17	220716-P-MEDBLANK	7/16/2022	1439	WP	1		X			—
18	220716-L-MEDBLANK	7/16/2022	1439	WP	1			X		—
19	Door-N-0.4GW-PS-19-220716-P-G	7/16/22	1135	WP	1		X			—
20	Door-N-0.4GW-PS-19-220716-L-G	7/16/22	1135	WP	1			X		2x Rivet Type 1 = 0.0276 ft² added area
21	Door-N-0.2GW-PS-19-220716-P-G	7/16/22	1101	WP	1		X			—
22	Door-N-0.2GW-PS-19-220716-P-DUP-G	7/16/22	1101	WP	1		X			—
23	Door-N-0.2GW-PS-19-220716-L-G	7/16/22	1101	WP	1			X		2x Rivet Type 1 = 0.0276 ft² added area
24	Arch-CIW-DG-6.5TO7-220716-P-FB	7/16/22	0947	WP	1		X			—
25	Arch-CIW-DG-6.5TO7-220716-L-FB	7/16/22	0947	WP	1			X		—
26										
27										
28										
29										
30										

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michaela Kim	Rincon/Env Scientist	07/17/22 1222
[1] Received By:	Audrey Hudson	Audrey Hudson	Enthalpy	7/18/22 12:22
[2] Relinquished By:	Audrey Hudson	"	"	7/18/22 14:48
[2] Received By:		Marcus M. Yip	BA	7/18/22 14:48
[3] Relinquished By:		Marcus M. Yip	BA	7/18/22 16:03
[3] Received By:		M. Cifelli	EA	7-19-22 11:20

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 NTCRA

Date Received: 7/19/22 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 2.1 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.1 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✔
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 7-19-22

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 465889 Client: Rincon

Date Received: 7/18/22 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☐ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 7/18/22 By (print) MY (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☐ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: 2.2, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 7/18/22 **By (print)** MY **(sign)** _____

Date Labeled 7/18/22 **By (print)** MY **(sign)** _____

GLS.

800-322-5555
www.gls-us.com

Ship From
ENTHALPY ANALYTICAL
BERKELEY SERVICE CENTER
2323 5TH STREET
BERKELEY, CA 94710

Ship To
ENTHALPY ANALYTICAL (ORG)
SAMPLE RECEIVING
931 W BARKLEY AVE.
ORANGE, CA 92868

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:

Signature Type: STANDARD

Tracking #: 557338946

CPS

ORANGE

S10003H

68565643

ORC CA927-EH1

Print Date: 7/18/2022 4:46 PM

Package 1 of 2

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the General Logistics Systems US, Inc. (GLS) service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gls-us.com.

2.1/1.1

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 465889 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.1GW-DG-6 TO 19-220716-P-LA **Batch#:** 293412 **Prep:** EPA 3572M
Type: SAMPLE **Sampled:** 07/16/22 **Analysis:** EPA 8082
Lab ID: 465889-001 **Received:** 07/18/22 **Analyst:** TRN
Matrix: Wipe **Prepared:** 07/20/22
Dil n Fac: 1.000 **Analyzed:** 07/23/22

465889-001 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465889-001 Surrogate	%REC	Limits
TCMX (PCB)	69	52-186
Decachlorobiphenyl (PCB)	65	50-150

Field ID: DOOR-N-0.3GW-DG-5 TO 19-220716-P-LA **Batch#:** 293412 **Prep:** EPA 3572M
Type: SAMPLE **Sampled:** 07/16/22 **Analysis:** EPA 8082
Lab ID: 465889-003 **Received:** 07/18/22 **Analyst:** TRN
Matrix: Wipe **Prepared:** 07/20/22
Dil n Fac: 1.000 **Analyzed:** 07/23/22

465889-003 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465889-003 Surrogate	%REC	Limits
TCMX (PCB)	65	52-186
Decachlorobiphenyl (PCB)	60	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 465889 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C1W-PS-6.5-220716-P-G **Batch#:** 293412 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/16/22 **Analysis:** EPA 8082

Lab ID: 465889-005 **Received:** 07/18/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/20/22

Diln Fac: 1.000 **Analyzed:** 07/23/22

465889-005 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465889-005 Surrogate	%REC	Limits
TCMX (PCB)	71	52-186
Decachlorobiphenyl (PCB)	66	50-150

Field ID: DOOR-N-0.3GW-EXT-4 TO 5-220716-P-CB **Batch#:** 293412 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/16/22 **Analysis:** EPA 8082

Lab ID: 465889-007 **Received:** 07/18/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/20/22

Diln Fac: 1.000 **Analyzed:** 07/23/22

465889-007 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465889-007 Surrogate	%REC	Limits
TCMX (PCB)	69	52-186
Decachlorobiphenyl (PCB)	64	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 465889 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: 220716-P-MEDBLANK **Batch#:** 293412 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/16/22 **Analysis:** EPA 8082

Lab ID: 465889-010 **Received:** 07/18/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/20/22

Dil Fac: 1.000 **Analyzed:** 07/24/22

465889-010 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465889-010 Surrogate	%REC	Limits
TCMX (PCB)	65	52-186
Decachlorobiphenyl (PCB)	60	50-150

Field ID: DOOR-N-0.4GW-PS-19-220716-P-G **Batch#:** 293412 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/16/22 **Analysis:** EPA 8082

Lab ID: 465889-012 **Received:** 07/18/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/20/22

Dil Fac: 1.000 **Analyzed:** 07/24/22

465889-012 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465889-012 Surrogate	%REC	Limits
TCMX (PCB)	70	52-186
Decachlorobiphenyl (PCB)	65	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 465889 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.2GW-PS-19-220716-P-G **Batch#:** 293412 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/16/22 **Analysis:** EPA 8082

Lab ID: 465889-014 **Received:** 07/18/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/20/22

Dil n Fac: 1.000 **Analyzed:** 07/24/22

465889-014 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465889-014 Surrogate	%REC	Limits
TCMX (PCB)	68	52-186
Decachlorobiphenyl (PCB)	65	50-150

Field ID: DOOR-N-0.2GW-PS-19-220716-P-DUP-G **Batch#:** 293412 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/16/22 **Analysis:** EPA 8082

Lab ID: 465889-015 **Received:** 07/18/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/20/22

Dil n Fac: 1.000 **Analyzed:** 07/24/22

465889-015 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465889-015 Surrogate	%REC	Limits
TCMX (PCB)	69	52-186
Decachlorobiphenyl (PCB)	65	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 465889 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C1W-DG-6.5 TO 7-220716-P-FB **Batch#:** 293412 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/16/22 **Analysis:** EPA 8082

Lab ID: 465889-017 **Received:** 07/18/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/20/22

DiIn Fac: 1.000 **Analyzed:** 07/24/22

465889-017 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465889-017 Surrogate	%REC	Limits
TCMX (PCB)	67	52-186
Decachlorobiphenyl (PCB)	64	50-150

Type: BLANK **Batch#:** 293412 **Analysis:** EPA 8082

Lab ID: QC1001814 **Prepared:** 07/20/22 **Analyst:** SLL

Matrix: Wipe **Analyzed:** 07/23/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1001814 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1001814 Surrogate	%REC	Limits
TCMX (PCB)	97	52-186
Decachlorobiphenyl (PCB)	87	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 465889 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 293412 **Analysis:** EPA 8082

Lab ID: QC1001815 **Prepared:** 07/20/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/23/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1001815 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.544	91	60-140	ug/100 cm2
Aroclor-1260	5.000	4.826	97	60-140	ug/100 cm2

QC1001815 Surrogate	%REC	Limits
TCMX (PCB)	90	52-186
Decachlorobiphenyl (PCB)	82	60-140

Type: BSD **Batch#:** 293412 **Analysis:** EPA 8082

Lab ID: QC1001816 **Prepared:** 07/20/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/23/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1001816 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.347	87	60-140	ug/100 cm2	4	20
Aroclor-1260	5.000	4.660	93	60-140	ug/100 cm2	4	20

QC1001816 Surrogate	%REC	Limits
TCMX (PCB)	88	52-186
Decachlorobiphenyl (PCB)	81	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Lead

Lab #: 465889 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.1GW-DG-6 TO 19-220716-L-LA **Batch#:** 293293 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/16/22 **Analysis:** EPA 6010B
Lab ID: 465889-002 **Received:** 07/18/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/22
Dln Fac: 1.000 **Analyzed:** 07/20/22

465889-002 Analyte	Result	RL	Units
Lead	**73**	0.97	ug/ft2

Field ID: DOOR-N-0.3GW-DG-5 TO 19-220716-L-LA **Batch#:** 293293 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/16/22 **Analysis:** EPA 6010B
Lab ID: 465889-004 **Received:** 07/18/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/22
Dln Fac: 1.000 **Analyzed:** 07/20/22

465889-004 Analyte	Result	RL	Units
Lead	**130**	0.97	ug/ft2

Field ID: ARCH-C1W-PS-6.5-220716-L-G **Batch#:** 293293 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/16/22 **Analysis:** EPA 6010B
Lab ID: 465889-006 **Received:** 07/18/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/22
Dln Fac: 1.000 **Analyzed:** 07/20/22

465889-006 Analyte	Result	RL	Units
Lead	**110**	0.97	ug/ft2

Field ID: DOOR-N-0.3GW-EXT-4 TO 5-220716-L-CB **Batch#:** 293293 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/16/22 **Analysis:** EPA 6010B
Lab ID: 465889-008 **Received:** 07/18/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/22
Dln Fac: 1.000 **Analyzed:** 07/20/22

465889-008 Analyte	Result	RL	Units
Lead	**100**	1.0	ug/ft2

Field ID: DOOR-N-0.3GW-EXT-4 TO 5-220716-L-DUP-CB **Batch#:** 293293 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/16/22 **Analysis:** EPA 6010B
Lab ID: 465889-009 **Received:** 07/18/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/22
Dln Fac: 1.000 **Analyzed:** 07/20/22

465889-009 Analyte	Result	RL	Units
Lead	**68**	1.0	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 465889 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: 220716-L-MEDBLANK **Batch#:** 293293 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/16/22 **Analysis:** EPA 6010B
Lab ID: 465889-011 **Received:** 07/18/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/22
Diln Fac: 1.000 **Analyzed:** 07/21/22

465889-011 Analyte	Result	RL	Units
Lead	ND	1.0	ug/ft2

Field ID: DOOR-N-0.4GW-PS-19-220716-L-G **Batch#:** 293293 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/16/22 **Analysis:** EPA 6010B
Lab ID: 465889-013 **Received:** 07/18/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/22
Diln Fac: 1.000 **Analyzed:** 07/21/22

465889-013 Analyte	Result	RL	Units
Lead	**68**	1.0	ug/ft2

Field ID: DOOR-N-0.2GW-PS-19-220716-L-G **Batch#:** 293293 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/16/22 **Analysis:** EPA 6010B
Lab ID: 465889-016 **Received:** 07/18/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/22
Diln Fac: 1.000 **Analyzed:** 07/21/22

465889-016 Analyte	Result	RL	Units
Lead	**89**	0.97	ug/ft2

Field ID: ARCH-C1W-DG-6.5 TO 7-220716-L-FB **Batch#:** 293293 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/16/22 **Analysis:** EPA 6010B
Lab ID: 465889-018 **Received:** 07/18/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/22
Diln Fac: 1.000 **Analyzed:** 07/21/22

465889-018 Analyte	Result	RL	Units
Lead	**41**	1.0	ug/ft2

Type: BLANK **Batch#:** 293293 **Analysis:** EPA 6010B
Lab ID: QC1001449 **Prepared:** 07/19/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 07/21/22
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1001449 Analyte	Result	RL	Units
Lead	ND	1.0	ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit

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Lead: Batch QC

Lab #: 465889 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 293293 **Analysis:** EPA 6010B

Lab ID: QC1001450 **Prepared:** 07/19/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 07/21/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1001450 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	99.78	100	80-120	ug/ft2

Type: BSD **Batch#:** 293293 **Analysis:** EPA 6010B

Lab ID: QC1001451 **Prepared:** 07/19/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 07/21/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1001451 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	100.3	100	80-120	ug/ft2	1	20

Legend

RPD: Relative Percent Difference

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 464405
Report Level: IV
Report Date: 01/05/2023

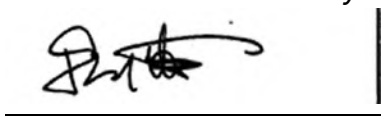
PCBs

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	464405
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	06/16/22

Sample ID	Lab ID	Collected	Matrix
DOOR-N-0.1GW-DG-13 TO 27-220615-P-LA	464405-001	06/15/22 09:42	Wipe
DOOR-N-0.9GW-INT-27 TO 15-220615-P-CB	464405-004	06/15/22 12:23	Wipe
DOOR-N-0.7GW-EXT-12 TO 13-220615-P-CB	464405-006	06/15/22 10:16	Wipe
DOOR-N-0.9GW-PS-26-220615-P-LA	464405-008	06/15/22 10:32	Wipe
DOOR-N-0.1GE-PS-26-220615-P-LA	464405-010	06/15/22 11:56	Wipe
DOOR-N-0.1GE-DG-14 TO 27-220615-P-LA	464405-012	06/15/22 11:43	Wipe
DOOR-N-0.9GE-PS-26-220615-P-LA	464405-014	06/15/22 10:50	Wipe
DOOR-N-0.9GE-PS-26-220615-P-DUP-LA	464405-015	06/15/22 10:50	Wipe

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Case Narrative

PCBS (EPA 8082)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 464405 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 06/16/22

This data package contains sample and QC results for eight wipe samples, requested for the above referenced project on 06/16/22. See attached cooler receipt form for any sample receipt problems or discrepancies. Reissued 1/5/23 to revise the preparation method reference.

PCBs (EPA 8082):

No analytical problems were encountered.

Chain of Custody

464405

ENTHALPY ANALYTICAL

Chain of Custody Record — Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim and T. Sinnott

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Report requires Stage 3 Data Validation

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
1	DOOR-N-0.1GW-DG-13 TO 27-220615-P- LA	6/15/22	0947	WP	1		X		
2	DOOR-N-0.1GW-DG-13 TO 27-220615-L- LA		0947	WP	1			X	
3	DOOR-N-0.1GW-DG-13 TO 27-220615-L-DUP- LA		0947	WP	1			X	
4	DOOR-N-0.3GW-INT-27 TO 15-220615-P- CB		1223	WP	1		X		
5	DOOR-N-0.3GW-INT-27 TO 15-220615-L- CB		1223	WP	1			X	
6	~~DOOR-N-0.5GW-DG-14 TO 27-220615-P-~~			WP					
7	~~DOOR-N-0.5GW-DG-14 TO 27-220615-L-~~			WP					
8	DOOR-N-0.7GW-EXT-12 TO 13-220615-P- CB		1016	WP	1		X		
9	DOOR-N-0.7GW-EXT-12 TO 13-220615-L- CB		1016	WP	1			X	
10	DOOR-N-0.9GW-PS-26-220615-P- LA		1032	WP	1		X		
11	DOOR-N-0.9GW-PS-26-220615-L- LA		1032	WP	1			X	
12	DOOR-N-0.1GE-PS-26-220615-P- LA		1156	WP	1		X		
13	DOOR-N-0.1GE-PS-26-220615-L- LA		1156	WP	1			X	
14	~~DOOR-N-0.3GE-DG-13 TO 27-220615-P-~~			WP					
15	~~DOOR-N-0.3GE-DG-13 TO 27-220615-L-~~			WP					

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	TKSinnott	Tyler Sinnott	Rincon / Envi. Scientist	6/15/22 / 1730
[1] Received By:		Fedex		6/16/22 0925
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

Chain of Custody Record — Lab ID: L16405 — Page: 2 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other
Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim and T. Sinnott

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation
Report PCB concentrations on a µg/100cm² basis
Report lead concentrations on a µg/ft² basis
Report Aroclor 1268 concentrations in addition to the standard Aroclors
Report requires Stage 3 Data Validation

	Sample ID	Sampling	Sampling	Matrix	Container	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
16	DOOR-N-0.9GE-DG-14 TO 27-220615-P-LA	6/15/22	1143	WP	1		X		
17	DOOR-N-0.9GE-DG-14 TO 27-220615-L-LA		1143	WP	1			X	
18	~~DOOR-N-0.7GE-PS-27-220615-P-~~			~~WP~~					
19	~~DOOR-N-0.7GE-PS-27-220615-L-~~			~~WP~~					
20	DOOR-N-0.9GE-PS-26-220615-P-LA		1050	WP	1		X		
21	DOOR-N-0.9GE-PS-26-220615-P-DUP-LA		1050	WP	1		X		
22	DOOR-N-0.9GE-PS-26-220615-L-LA		1050	WP	1			X	
23									
24									
25									
26									
27									
28									
29									
30									

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	T Sinnott	Tyler Sinnott	Rincon / Envi. Scientist	6/15/22 / 1730
1 Received By:		Fedex	GS	6/16/22 / 0925
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: RINCON CONSULTANTS Project: HANGAR 1 - NCTRA WP

Date Received: 6/16/22 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 4.5 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: FED EX

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.6 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?	✓		
If custody seals are present, were they intact?	✓		
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

CUSTODY SEAL PRESENT ON COOLER

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 6/16/22

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

1.0/4.5

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID:

Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard: | X (PCBs) | 5 Day: | | 3 Day: |
2 Day: | | 1 Day: | X (Pb) | Custom TAT:

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim and T. Sinnott

Test Instructions / Comments: **Confirmation Wipe Samples - Level IV Report/Stage 3 Validation**
Report PCB concentrations on a µg/100cm² basis
Report lead concentrations on a µg/ft² basis
Report Aroclor 1268 concentrations in addition to the standard Aroclors
Report requires Stage 3 Data Validation

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	
1	DOOR-N-0.1GW-DG-13 TO 27-220615-P- LA	6/15/22	0942	WP	1		X			
2	DOOR-N-0.1GW-DG-13 TO 27-220615-L- LA		0942	WP	1			X		
3	DOOR-N-0.1GW-DG-13 TO 27-220615-L-DUP- LA		0942	WP	1			X		Two of Rivet Type 3 = 0.035 ft² added; Total area = 1.035 ft² - TS
4	DOOR-N-0.3GW-INT-27 TO 15-220615-P- CB		1223	WP	1		X			Two of Rivet Type 3 = 0.035 ft² added; Total area = 1.035 ft² - TS
5	DOOR-N-0.3GW-INT-27 TO 15-220615-L-CB		1223	WP	1			X		
6	~~DOOR-N-0.5GW-DG-14 TO 27-220615-P-~~			~~WP~~						
7	~~DOOR-N-0.5GW-DG-14 TO 27-220615-L-~~			~~WP~~						
8	DOOR-N-0.7GW-EXT-12 TO 13-220615-P- CB		1016	WP	1		X			
9	DOOR-N-0.7GW-EXT-12 TO 13-220615-L- CB		1016	WP	1			X		
10	DOOR-N-0.9GW-PS-26-220615-P- LA		1032	WP	1		X			
11	DOOR-N-0.9GW-PS-26-220615-L- LA		1032	WP	1			X		Two of Rivet Type 3 = 0.035 ft² added; Total area = 1.035 ft² - TS
12	DOOR-N-0.1GE-PS-26-220615-P- LA		1156	WP	1		X			
13	DOOR-N-0.1GE-PS-26-220615-L- LA		1156	WP	1			X		Two of Rivet Type 3 = 0.035 ft² added; Total area = 1.035 ft² - TS
14	~~DOOR-N-0.3GE-DG-13 TO 27-220615-P-~~			~~WP~~						
15	~~DOOR-N-0.3GE-DG-13 TO 27-220615-L-~~			~~WP~~						

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	TKrivet	Tyler Sinnott	Rincon / Envi. Scientist	6/15/22 / 1730
[1] Received By:				
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID:

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other
Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim and T. Sinnott

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation
Report PCB concentrations on a µg/100cm² basis
Report lead concentrations on a µg/ft² basis
Report Aroclor 1268 concentrations in addition to the standard Aroclors
Report requires Stage 3 Data Validation

	Sample ID	Sampling	Sampling	Matrix	Container	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/60108	HOLD
16	DOOR-N-0.9GE-DG-14 TO 27-220615-P-LA	6/15/22	1143	WP	1		X		
17	DOOR-N-0.9GE-DG-14 TO 27-220615-L-LA		1143	WP	1			X	
18	~~DOOR-N-0.9GE-PS-27-220615-P-~~			~~WP~~					
19	~~DOOR-N-0.7GE-PS-27-220615-L-~~			~~WP~~					
20	DOOR-N-0.9GE-PS-26-220615-P-LA		1050	WP	1		X		
21	DOOR-N-0.9GE-PS-26-220615-P-DUP-LA		1050	WP	1		X		
22	DOOR-N-0.9GE-PS-26-220615-L-LA		1050	WP	1			X	
23									
24									
25									
26									
27									
28									
29									
30									

Two of Rivet Type 3 = 0.035 ft² added; Total area = 1.035 ft² - TS

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	[signature]	Tyler Sinnott	Rincon / Envi. Scientist	6/15/22 / 1730
[1] Received By:				
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

Results & QC Summary

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 464405 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.1GW-DG-13 TO 27-220615-P-LA **Batch#:** 291960 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 06/15/22 **Analysis:** EPA 8082

Lab ID: 464405-001 **Received:** 06/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 06/27/22

Diln Fac: 1.000 **Analyzed:** 06/28/22

464405-001 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

464405-001 Surrogate	%REC	Limits
TCMX (PCB)	65	52-186
Decachlorobiphenyl (PCB)	58	50-150

Field ID: DOOR-N-0.9GW-INT-27 TO 15-220615-P-CB **Batch#:** 291960 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 06/15/22 **Analysis:** EPA 8082

Lab ID: 464405-004 **Received:** 06/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 06/27/22

Diln Fac: 1.000 **Analyzed:** 06/28/22

464405-004 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

464405-004 Surrogate	%REC	Limits
TCMX (PCB)	66	52-186
Decachlorobiphenyl (PCB)	60	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 464405 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.7GW-EXT-12 TO 13-220615-P-CB **Batch#:** 291960 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 06/15/22 **Analysis:** EPA 8082

Lab ID: 464405-006 **Received:** 06/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 06/27/22

Diln Fac: 1.000 **Analyzed:** 06/28/22

464405-006 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

464405-006 Surrogate	%REC	Limits
TCMX (PCB)	62	52-186
Decachlorobiphenyl (PCB)	54	50-150

Field ID: DOOR-N-0.9GW-PS-26-220615-P-LA **Batch#:** 291960 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 06/15/22 **Analysis:** EPA 8082

Lab ID: 464405-008 **Received:** 06/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 06/27/22

Diln Fac: 1.000 **Analyzed:** 06/28/22

464405-008 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

464405-008 Surrogate	%REC	Limits
TCMX (PCB)	60	52-186
Decachlorobiphenyl (PCB)	54	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 464405 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.1GE-PS-26-220615-P-LA **Batch#:** 291960 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 06/15/22 **Analysis:** EPA 8082

Lab ID: 464405-010 **Received:** 06/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 06/27/22

Diln Fac: 1.000 **Analyzed:** 06/28/22

464405-010 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

464405-010 Surrogate	%REC	Limits
TCMX (PCB)	67	52-186
Decachlorobiphenyl (PCB)	59	50-150

Field ID: DOOR-N-0.1GE-DG-14 TO 27-220615-P-LA **Batch#:** 291960 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 06/15/22 **Analysis:** EPA 8082

Lab ID: 464405-012 **Received:** 06/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 06/27/22

Diln Fac: 1.000 **Analyzed:** 06/28/22

464405-012 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

464405-012 Surrogate	%REC	Limits
TCMX (PCB)	70	52-186
Decachlorobiphenyl (PCB)	60	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 464405 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.9GE-PS-26-220615-P-LA **Batch#:** 291960 **Prep:** EPA 3572M
Type: SAMPLE **Sampled:** 06/15/22 **Analysis:** EPA 8082
Lab ID: 464405-014 **Received:** 06/16/22 **Analyst:** TRN
Matrix: Wipe **Prepared:** 06/27/22
Dil n Fac: 1.000 **Analyzed:** 06/28/22

464405-014 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

464405-014 Surrogate	%REC	Limits
TCMX (PCB)	65	52-186
Decachlorobiphenyl (PCB)	56	50-150

Field ID: DOOR-N-0.9GE-PS-26-220615-P-DUP-LA **Batch#:** 291960 **Prep:** EPA 3572M
Type: SAMPLE **Sampled:** 06/15/22 **Analysis:** EPA 8082
Lab ID: 464405-015 **Received:** 06/16/22 **Analyst:** TRN
Matrix: Wipe **Prepared:** 06/27/22
Dil n Fac: 1.000 **Analyzed:** 06/28/22

464405-015 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

464405-015 Surrogate	%REC	Limits
TCMX (PCB)	63	52-186
Decachlorobiphenyl (PCB)	54	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 464405 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 291960 **Analysis:** EPA 8082

Lab ID: QC997361 **Prepared:** 06/27/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 06/28/22

DilnFac: 1.000 **Prep:** EPA 3572M

QC997361 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC997361 Surrogate	%REC	Limits
TCMX (PCB)	82	52-186
Decachlorobiphenyl (PCB)	76	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 464405 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 291960 **Analysis:** EPA 8082

Lab ID: QC997362 **Prepared:** 06/27/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 06/28/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC997362 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.031	81	60-140	ug/100 cm2
Aroclor-1260	5.000	4.355	87	60-140	ug/100 cm2

QC997362 Surrogate	%REC	Limits
TCMX (PCB)	82	52-186
Decachlorobiphenyl (PCB)	73	60-140

Type: BSD **Batch#:** 291960 **Analysis:** EPA 8082

Lab ID: QC997363 **Prepared:** 06/27/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 06/28/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC997363 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.466	89	60-140	ug/100 cm2	10	20
Aroclor-1260	5.000	4.845	97	60-140	ug/100 cm2	11	20

QC997363 Surrogate	%REC	Limits
TCMX (PCB)	90	52-186
Decachlorobiphenyl (PCB)	80	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY INITIAL CALIBRATION FOR 464405 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_062422_1
Calibration #:	462252739001	Date:	25-JUN-2022 00:39
		X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc07_062422022	462252739022		25-JUN-2022 00:39	S16671 (100X), S16725 (250X)
L2	gc07_062422023	462252739023		25-JUN-2022 00:57	S16671 (40X), S16725 (250X)
L3	gc07_062422024	462252739024		25-JUN-2022 01:14	S16671 (20X), S16725 (250X)
L4	gc07_062422025	462252739025		25-JUN-2022 01:32	S16671 (8X), S16725 (250X)
L5	gc07_062422026	462252739026		25-JUN-2022 01:49	S16671 (4X), S16725 (250X)
L6	gc07_062422027	462252739027		25-JUN-2022 02:07	S16671 (2.66X), S16725 (250X)
L7	gc07_062422028	462252739028		25-JUN-2022 02:24	S16671 (2X), S16725 (250X)
L8	gc07_062422029	462252739029		25-JUN-2022 02:42	S16671 (1.33X), S16725 (250X)
L9	gc07_062422030	462252739030		25-JUN-2022 02:59	S16671, S16725 (250X)

Analyte	Ch	Type	a0	a1	a2	Units	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		52.1446		ug/L	0.0192	12	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		24.0592		ug/L	0.0416	14	9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		20.7771		ug/L	0.0481	12	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		28.8928		ug/L	0.0346	11	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		34.6865		ug/L	0.0288	11	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		16.4257		ug/L	0.0609	12	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		11.4424		ug/L	0.0874	10	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		11.2915		ug/L	0.0886	7	9	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		22.0875		ug/L	0.0453	10	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		24.0599		ug/L	0.0416	7	9	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.89555		pg/uL	1.1166	9	9	.99	20	
TCMX (PCB)	A	AVRG		1.06067		pg/uL	0.9428	8	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		49.6768		ug/L	0.0201	7	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		22.8132		ug/L	0.0438	9	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		19.8883		ug/L	0.0503	9	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		28.6560		ug/L	0.0349	6	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		34.3044		ug/L	0.0292	7	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		15.7963		ug/L	0.0633	8	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		14.2181		ug/L	0.0703	6	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		11.5518		ug/L	0.0866	3	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		20.5890		ug/L	0.0486	5	9	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		14.3273		ug/L	0.0698	4	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.81243		pg/uL	1.2309	10	9	.99	20	
TCMX (PCB)	B	AVRG		1.10236		pg/uL	0.9071	4	9	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

ENTHALPY INITIAL CALIBRATION FOR 464405 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_062422_1
Calibration #:	462252739001	Date:	25-JUN-2022 00:39
		X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0234	0.0215	0.0200	0.0192	0.0192	0.0180	0.0176	0.0174	0.0163
Aroclor-1016 Peak # 2	A	0.0506	0.0484	0.0464	0.0430	0.0395	0.0384	0.0372	0.0366	0.0339
Aroclor-1016 Peak # 3	A	0.0594	0.0542	0.0518	0.0468	0.0454	0.0453	0.0443	0.0447	0.0413
Aroclor-1016 Peak # 4	A	0.0413	0.0385	0.0369	0.0348	0.0332	0.0331	0.0323	0.0317	0.0297
Aroclor-1016 Peak # 5	A	0.0337	0.0322	0.0318	0.0293	0.0277	0.0275	0.0267	0.0261	0.0245
Aroclor-1260 Peak # 1	A	0.0727	0.0690	0.0664	0.0613	0.0580	0.0617	0.0550	0.0540	0.0499
Aroclor-1260 Peak # 2	A	0.1010	0.0978	0.0943	0.0864	0.0838	0.0853	0.0816	0.0810	0.0754
Aroclor-1260 Peak # 3	A	0.0987	0.0952	0.0933	0.0862	0.0848	0.0876	0.0843	0.0855	0.0813
Aroclor-1260 Peak # 4	A	0.0539	0.0502	0.0485	0.0445	0.0431	0.0439	0.0418	0.0418	0.0398
Aroclor-1260 Peak # 5	A	0.0379	0.0402	0.0409	0.0376	0.0404	0.0447	0.0428	0.0450	0.0446
Decachlorobiphenyl (PCB)	A	1.3136	1.2521	1.1395	1.0914	1.0462	1.0936	1.0474	1.0457	1.0202
TCMX (PCB)	A	1.0556	1.0443	1.0018	0.9534	0.8960	0.8931	0.8839	0.9007	0.8564
Aroclor-1016 Peak # 1	B	0.0237	0.0206	0.0205	0.0201	0.0194	0.0196	0.0193	0.0195	0.0184
Aroclor-1016 Peak # 2	B	0.0520	0.0470	0.0451	0.0431	0.0429	0.0424	0.0413	0.0416	0.0391
Aroclor-1016 Peak # 3	B	0.0609	0.0528	0.0500	0.0478	0.0483	0.0487	0.0479	0.0490	0.0470
Aroclor-1016 Peak # 4	B	0.0385	0.0379	0.0349	0.0334	0.0336	0.0344	0.0340	0.0346	0.0328
Aroclor-1016 Peak # 5	B	0.0329	0.0318	0.0294	0.0281	0.0280	0.0286	0.0281	0.0285	0.0271
Aroclor-1260 Peak # 1	B	0.0741	0.0656	0.0651	0.0617	0.0619	0.0631	0.0605	0.0606	0.0572
Aroclor-1260 Peak # 2	B	0.0777	0.0735	0.0724	0.0698	0.0688	0.0709	0.0674	0.0682	0.0642
Aroclor-1260 Peak # 3	B	0.0823	0.0865	0.0833	0.0845	0.0876	0.0917	0.0876	0.0898	0.0859
Aroclor-1260 Peak # 4	B	0.0506	0.0519	0.0474	0.0468	0.0460	0.0516	0.0476	0.0489	0.0462
Aroclor-1260 Peak # 5	B	0.0736	0.0727	0.0678	0.0662	0.0681	0.0716	0.0685	0.0706	0.0691
Decachlorobiphenyl (PCB)	B	1.4473	1.4291	1.1927	1.1850	1.1442	1.2016	1.1565	1.1753	1.1462
TCMX (PCB)	B	0.9875	0.8886	0.8748	0.8877	0.8943	0.8998	0.8927	0.9329	0.9059

ENTHALPY INITIAL CALIBRATION FOR 464405 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_062422_1
Calibration #:	462252739001	Date:	25-JUN-2022 00:39
		X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	**22**	50.000	12	100.00	4	250.00	0	500.00	0	751.88	-6	1000.0	-8	1503.8	-9
Aroclor-1016 Peak # 2	A	20.000	**22**	50.000	16	100.00	12	250.00	3	500.00	-5	751.88	-8	1000.0	-10	1503.8	-12
Aroclor-1016 Peak # 3	A	20.000	**23**	50.000	13	100.00	8	250.00	-3	500.00	-6	751.88	-6	1000.0	-8	1503.8	-7
Aroclor-1016 Peak # 4	A	20.000	19	50.000	11	100.00	7	250.00	1	500.00	-4	751.88	-4	1000.0	-7	1503.8	-8
Aroclor-1016 Peak # 5	A	20.000	17	50.000	12	100.00	10	250.00	2	500.00	-4	751.88	-5	1000.0	-7	1503.8	-10
Aroclor-1260 Peak # 1	A	20.000	19	50.000	13	100.00	9	250.00	1	500.00	-5	751.88	1	1000.0	-10	1503.8	-11
Aroclor-1260 Peak # 2	A	20.000	16	50.000	12	100.00	8	250.00	-1	500.00	-4	751.88	-2	1000.0	-7	1503.8	-7
Aroclor-1260 Peak # 3	A	20.000	11	50.000	8	100.00	5	250.00	-3	500.00	-4	751.88	-1	1000.0	-5	1503.8	-3
Aroclor-1260 Peak # 4	A	20.000	19	50.000	11	100.00	7	250.00	-2	500.00	-5	751.88	-3	1000.0	-8	1503.8	-8
Aroclor-1260 Peak # 5	A	20.000	-9	50.000	-3	100.00	-2	250.00	-9	500.00	-3	751.88	8	1000.0	3	1503.8	8
Decachlorobiphenyl (PCB)	A	0.8000	18	2.0000	12	4.0000	2	10.000	-2	20.000	-6	30.075	-2	40.000	-6	60.150	-6
TCMX (PCB)	A	0.8000	12	2.0000	11	4.0000	6	10.000	1	20.000	-5	30.075	-5	40.000	-6	60.150	-4
Aroclor-1016 Peak # 1	B	20.000	18	50.000	2	100.00	2	250.00	0	500.00	-3	751.88	-3	1000.0	-4	1503.8	-3
Aroclor-1016 Peak # 2	B	20.000	19	50.000	7	100.00	3	250.00	-2	500.00	-2	751.88	-3	1000.0	-6	1503.8	-5
Aroclor-1016 Peak # 3	B	20.000	**21**	50.000	5	100.00	-1	250.00	-5	500.00	-4	751.88	-3	1000.0	-5	1503.8	-2
Aroclor-1016 Peak # 4	B	20.000	10	50.000	9	100.00	0	250.00	-4	500.00	-4	751.88	-1	1000.0	-2	1503.8	-1
Aroclor-1016 Peak # 5	B	20.000	13	50.000	9	100.00	1	250.00	-4	500.00	-4	751.88	-2	1000.0	-4	1503.8	-2
Aroclor-1260 Peak # 1	B	20.000	17	50.000	4	100.00	3	250.00	-3	500.00	-2	751.88	0	1000.0	-4	1503.8	-4
Aroclor-1260 Peak # 2	B	20.000	10	50.000	5	100.00	3	250.00	-1	500.00	-2	751.88	1	1000.0	-4	1503.8	-3
Aroclor-1260 Peak # 3	B	20.000	-5	50.000	0	100.00	-4	250.00	-2	500.00	1	751.88	6	1000.0	1	1503.8	4
Aroclor-1260 Peak # 4	B	20.000	4	50.000	7	100.00	-2	250.00	-4	500.00	-5	751.88	6	1000.0	-2	1503.8	1
Aroclor-1260 Peak # 5	B	20.000	5	50.000	4	100.00	-3	250.00	-5	500.00	-2	751.88	3	1000.0	-2	1503.8	1
Decachlorobiphenyl (PCB)	B	0.8000	18	2.0000	16	4.0000	-3	10.000	-4	20.000	-7	30.075	-2	40.000	-6	60.150	-5
TCMX (PCB)	B	0.8000	9	2.0000	-2	4.0000	-4	10.000	-2	20.000	-1	30.075	-1	40.000	-2	60.150	3

ENTHALPY INITIAL CALIBRATION FOR 464405 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_062422_1
Calibration #:	462252739001	Date:	25-JUN-2022 00:39
		X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-15
Aroclor-1016 Peak # 2	A	2000.0	-18
Aroclor-1016 Peak # 3	A	2000.0	-14
Aroclor-1016 Peak # 4	A	2000.0	-14
Aroclor-1016 Peak # 5	A	2000.0	-15
Aroclor-1260 Peak # 1	A	2000.0	-18
Aroclor-1260 Peak # 2	A	2000.0	-14
Aroclor-1260 Peak # 3	A	2000.0	-8
Aroclor-1260 Peak # 4	A	2000.0	-12
Aroclor-1260 Peak # 5	A	2000.0	7
Decachlorobiphenyl (PCB)	A	80.000	-9
TCMX (PCB)	A	80.000	-9
Aroclor-1016 Peak # 1	B	2000.0	-8
Aroclor-1016 Peak # 2	B	2000.0	-11
Aroclor-1016 Peak # 3	B	2000.0	-6
Aroclor-1016 Peak # 4	B	2000.0	-6
Aroclor-1016 Peak # 5	B	2000.0	-7
Aroclor-1260 Peak # 1	B	2000.0	-10
Aroclor-1260 Peak # 2	B	2000.0	-9
Aroclor-1260 Peak # 3	B	2000.0	-1
Aroclor-1260 Peak # 4	B	2000.0	-5
Aroclor-1260 Peak # 5	B	2000.0	-1
Decachlorobiphenyl (PCB)	B	80.000	-7
TCMX (PCB)	B	80.000	0

TRN 06/25/22 : Manually integrated for coeluting peak and automatic draw baseline on both/one channel and on multiple levels

Analyst: TRN 06/25/22

Reviewer: LW 06/27/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 464405 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07	Name:	PCB_062422_1
Calnum:	462252739001	Cal Date:	25-JUN-2022

- ICV 462252739032 (gc07_062422032 25-JUN-2022) stds: S16736

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	518.1	ug/L	4	15	
Aroclor-1260	A	500.0	539.6	ug/L	8	15	
Aroclor-1016	B	500.0	525.9	ug/L	5	15	
Aroclor-1260	B	500.0	563.1	ug/L	13	15	

-

Analyst: TRN 06/25/22 **Reviewer:** LW 06/27/22

ENTHALPY CONTINUING CALIBRATION FOR 464405 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07			IDF:	1.0
Seqnum:	462258436004	File:	gc07_062822004	Time:	28-JUN-2022 11:51
Cal:	462252739001	Caldate:	25-JUN-2022		

Standards: S17006

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	462.7	ug/L	-7	15	0.0000	
Aroclor-1260	A			500.0	510.2	ug/L	2	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.1166	0.9481	20.00	16.98	pg/uL	-15	15	0.0000	
TCMX (PCB)	A	0.9428	0.8600	20.00	18.24	pg/uL	-9	15	0.0000	
Aroclor-1016	B			500.0	491.3	ug/L	-2	15	0.0000	
Aroclor-1260	B			500.0	506.3	ug/L	1	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2309	1.0800	20.00	17.55	pg/uL	-12	15	0.0000	
TCMX (PCB)	B	0.9071	0.8655	20.00	19.08	pg/uL	-5	15	0.0000	

ISTD (ICAL gc07_062422023)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1166029	1389469	19.16
1-bromo-2-nitrobenzene (PCB)	A	4421081	5233508	18.38

Analyst: TRN 06/28/22 **Reviewer:** SLL 06/28/22

Enthalpy Internal Standard Summary for Sequence 462258436

Date:	06/28/22	Reference:	gc07_062422023
Sequence:	SVOA-GC07 gc07_062822	Analyzed:	06/25/22 00:57

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	1166029	4421081
		LOWER LIMIT	583015	2210541
		UPPER LIMIT	2332058	8842162
004	CCV		1389469	5233508

Enthalpy Internal Standard Summary for Sequence 462258436

Date:	06/28/22	Reference:	gc07_062822004
Sequence:	SVOA-GC07 gc07_062822	Analyzed:	06/28/22 11:51

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	1389469	5233508
		LOWER LIMIT	694734	2616754
		UPPER LIMIT	2778937	10467016
007	BLANK	QC997361	1568156	5612864
008	BS	QC997362	1410452	5058676
009	BSD	QC997363	1222092	4449476
010	SAMPLE	464405-001	1292327	4500532
011	SAMPLE	464405-004	1720983	5961053
012	SAMPLE	464405-006	1841865	6275263
013	SAMPLE	464405-008	1521750	5276313
014	SAMPLE	464405-010	1386429	4816272
015	SAMPLE	464405-012	1595756	5518706
016	SAMPLE	464405-014	1368143	4731126
017	SAMPLE	464405-015	1276515	4447708
018	LCS	QC995759	1397648	4986201
019	SAMPLE	464098-003	1505925	5431870
020	SAMPLE	464098-013	1140371	4123940
021	BLANK	QC995755	1307616	4732356
022	LCS	QC995759	1336734	4859224
025	SAMPLE	464779-002	1710267	5849045
027	SAMPLE	464255-013	1798197	8951752
028	SAMPLE	464779-003	1454182	5011612
029	SAMPLE	464779-006	1336986	4620510
030	SAMPLE	464785-002	1689800	6109957
031	SAMPLE	464785-004	1536965	5273020
032	SAMPLE	464785-006	1994901	6756651
035	BLANK	QC997502	1355424	4494240
035	BLANK	QC997502	1355424	4494240

Enthalpy Internal Standard Summary for Sequence 462258436

Date:	06/28/22	Reference:	gc07_062822004
Sequence:	SVOA-GC07 gc07_062822	Analyzed:	06/28/22 11:51

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.44	4.25
		LOWER LIMIT	4.24	4.05
		UPPER LIMIT	4.64	4.45
007	BLANK	QC997361	4.44	4.26
008	BS	QC997362	4.44	4.25
009	BSD	QC997363	4.44	4.25
010	SAMPLE	464405-001	4.44	4.25
011	SAMPLE	464405-004	4.44	4.25
012	SAMPLE	464405-006	4.44	4.25
013	SAMPLE	464405-008	4.44	4.25
014	SAMPLE	464405-010	4.44	4.25
015	SAMPLE	464405-012	4.44	4.25
016	SAMPLE	464405-014	4.44	4.25
017	SAMPLE	464405-015	4.44	4.25
018	LCS	QC995759	4.44	4.25
019	SAMPLE	464098-003	4.44	4.25
020	SAMPLE	464098-013	4.44	4.25
021	BLANK	QC995755	4.44	4.25
022	LCS	QC995759	4.44	4.25
025	SAMPLE	464779-002	4.44	4.25
027	SAMPLE	464255-013	4.44	4.25
028	SAMPLE	464779-003	4.44	4.25
029	SAMPLE	464779-006	4.44	4.25
030	SAMPLE	464785-002	4.44	4.25
031	SAMPLE	464785-004	4.44	4.25
032	SAMPLE	464785-006	4.44	4.25
035	BLANK	QC997502	4.44	4.25

Enthalpy Sequence Summary for Sequence 462252739

Instrument: SVOA-GC07 Begun: 06/24/22 12:19
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc07_062422002	PEM				06/24/22 12:19	1.0	1	
003	gc07_062422003	CCV				06/24/22 12:37	1.0	2	ac
004	gc07_062422004	CCV				06/24/22 12:55	1.0	3	
011	gc07_062422011	PEM				06/24/22 21:26	1.0	1	
022	gc07_062422022	ICAL				06/25/22 00:39	1.0	4 5	
023	gc07_062422023	ICAL				06/25/22 00:57	1.0	4 5	
024	gc07_062422024	ICAL				06/25/22 01:14	1.0	4 5	
025	gc07_062422025	ICAL				06/25/22 01:32	1.0	4 5	
026	gc07_062422026	ICAL				06/25/22 01:49	1.0	4 5	
027	gc07_062422027	ICAL				06/25/22 02:07	1.0	4 5	
028	gc07_062422028	ICAL				06/25/22 02:24	1.0	4 5	
029	gc07_062422029	ICAL				06/25/22 02:42	1.0	4 5	
030	gc07_062422030	ICAL				06/25/22 02:59	1.0	4 5	
032	gc07_062422032	ICV				06/25/22 03:34	1.0	6	

TRN 06/25/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 32.

ac=average CCV drift out

Standards Used:
1=S16549 2=S16729 3=S17006 4=S16671 5=S16725 6=S16736

Enthalpy Sequence Summary for Sequence 462258436

Instrument: SVOA-GC07 Begun: 06/28/22 11:16
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc07_062822002	PEM				06/28/22 11:16	1.0	1	
003	gc07_062822003	CCV				06/28/22 11:33	1.0	2	ac
004	gc07_062822004	CCV				06/28/22 11:51	1.0	3	
005	gc07_062822005	CCV				06/28/22 12:09	1.0	2	ac
007	gc07_062822007	BLANK	QC997361	Wipe	291960	06/28/22 12:37	1.0	4	
008	gc07_062822008	BS	QC997362	Wipe	291960	06/28/22 12:55	1.0	4	
009	gc07_062822009	BSD	QC997363	Wipe	291960	06/28/22 13:13	1.0	4	
010	gc07_062822010	SAMPLE	464405-001	Wipe	291960	06/28/22 13:30	1.0	4	
011	gc07_062822011	SAMPLE	464405-004	Wipe	291960	06/28/22 13:48	1.0	4	
012	gc07_062822012	SAMPLE	464405-006	Wipe	291960	06/28/22 14:05	1.0	4	
013	gc07_062822013	SAMPLE	464405-008	Wipe	291960	06/28/22 14:23	1.0	4	
014	gc07_062822014	SAMPLE	464405-010	Wipe	291960	06/28/22 14:40	1.0	4	
015	gc07_062822015	SAMPLE	464405-012	Wipe	291960	06/28/22 14:58	1.0	4	
016	gc07_062822016	SAMPLE	464405-014	Wipe	291960	06/28/22 15:15	1.0	4	
017	gc07_062822017	SAMPLE	464405-015	Wipe	291960	06/28/22 15:33	1.0	4	
018	gc07_062822018	LCS	QC995759	Soil	291473	06/28/22 15:51	1.0	4	
019	gc07_062822019	SAMPLE	464098-003	Soil	291473	06/28/22 16:08	1.0	4	
020	gc07_062822020	SAMPLE	464098-013	Soil	291473	06/28/22 16:26	5.0	4	
021	gc07_062822021	BLANK	QC995755	Soil	291473	06/28/22 16:43	1.0	4	
022	gc07_062822022	LCS	QC995759	Soil	291473	06/28/22 17:01	1.0	4	
023	gc07_062822023	SAMPLE	464325-014	Soil	291554	06/28/22 17:19	10.0	4	<ac
025	gc07_062822025	SAMPLE	464779-002	Wipe	291960	06/28/22 17:54	1.0	4	
026	gc07_062822026	ICAL				06/28/22 18:11	1.0	5	
027	gc07_062822027	SAMPLE	464255-013	Soil	291554	06/28/22 18:29	1.0	4	
028	gc07_062822028	SAMPLE	464779-003	Wipe	291960	06/28/22 18:46	1.0	4	
029	gc07_062822029	SAMPLE	464779-006	Wipe	291960	06/28/22 19:04	1.0	4	
030	gc07_062822030	SAMPLE	464785-002	Wipe	291960	06/28/22 19:21	1.0	4	
031	gc07_062822031	SAMPLE	464785-004	Wipe	291960	06/28/22 19:39	1.0	4	
032	gc07_062822032	SAMPLE	464785-006	Wipe	291960	06/28/22 19:56	1.0	4	
035	gc07_062822035	BLANK	QC997502	Soil	292025	06/28/22 20:49	1.0	4	<ac
036	gc07_062822036	LCS	QC997503	Soil	292025	06/28/22 21:07	1.0	4	<ac
037	gc07_062822037	MS	QC997505	Soil	292025	06/28/22 21:24	10.0	4	<ac
038	gc07_062822038	MSD	QC997506	Soil	292025	06/28/22 21:42	10.0	4	<ac
039	gc07_062822039	SAMPLE	463961-036	Soil	292025	06/28/22 21:59	1.0	4	sh <ac
040	gc07_062822040	MSS	464039-007	Soil	292025	06/28/22 22:17	10.0	4	sh <ac

TRN 06/29/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 40.

<=opening ac=average CCV drift out sh=out of sample hold

Standards Used:
1=S16549 2=S16729 3=S17006 4=S17010 5=S16977

SAMPLE PREPARATION SUMMARY

Batch # : 291960
Started By : SME
Prep Date : 27-JUN-2022 13:27
Method : 3572M
Spike #1 ID : S16989
Analysis : 8080
Finished By : SME
Units : dm2
Spike #3 ID : S16834

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
464405-001		Wipe	1	20	1	20.0		1				PCB	
464405-004		Wipe	1	20	1	20.0		1				PCB	
464405-006		Wipe	1	20	1	20.0		1				PCB	
464405-008		Wipe	1	20	1	20.0		1				PCB	
464405-010		Wipe	1	20	1	20.0		1				PCB	
464405-012		Wipe	1	20	1	20.0		1				PCB	
464405-014		Wipe	1	20	1	20.0		1				PCB	
464405-015		Wipe	1	20	1	20.0		1				PCB	
464779-002		Wipe	1	20	1	20.0		1				PCB	
464779-003		Wipe	1	20	1	20.0		1				PCB	
464779-006		Wipe	1	20	1	20.0		1				PCB	
464785-002		Wipe	1	20	1	20.0		1				PCB	
464785-004		Wipe	1	20	1	20.0		1				PCB	
464785-006		Wipe	1	20	1	20.0		1				PCB	
QC997361	BLANK	Wipe	1	10	1	10.0		.5				8080	
QC997362	BS	Wipe	1	10	1	10.0		.5		.5		8080	
QC997363	BSD	Wipe	1	10	1	10.0		.5		.5		8080	

TRN 06/28/22 : BS/D verify the batch

Analyst: TRN Date: 06/28/22 Reviewer: SLL Date: 06/28/22

13:27

8081/8082 Prep Log

Date/Time: 06/27/2022 Initials: SME

608 QC Batch#:

3572M 1-5-23 MAG

8081 QC Batch #:

Matrix: Wipe Prep Method: ~~3580~~ Balance ID: N/A

8082 QC Batch #: 291960

Sample ID	Cont. ID	Sample Initial Amount Circle one: mL / WIPE	pH is 5-9?	Extraction Equipment ID (Sox, Sonic., Shaker)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Witness ID	Comment
Blank		1 WIPE	N/A	SH2	N/A	10.0		JAP	500 µL PCB Surr.
LCS						10.0			
LCSD						10.0			
464405-001	A					20.0			1000 µL PCB Surr.
-004						20.0			
-006						20.0			
-008						20.0			
-010						20.0			
-012						20.0			
-014						20.0			
-015						20.0			
464779-002						20.0			
-003						20.0			
-006						20.0			
464785-002						20.0			
-004						20.0			
-006						20.0			

Methylene Chloride Lot: N/A

Exchange Solvent (Hexane) ID: S110897

Acetone-Hexane Mix ID: N/A

Sodium Sulfate Lot: N/A

Baked Sand Lot: N/A

Surrogate ID: S110989 Volume: µL

Pest LCS Spike ID: Volume: µL

PCB LCS Spike ID: S110834 Volume: 500 µL

Pest MS/MSD Spike ID: Volume: µL

PCB MS/MSD Spike ID: Volume: µL

REPORTING SUMMARY FOR 464405 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
464405-001	Aroclor-1016	SVOA-GC07	B	06/28/22 13:30
464405-001	Aroclor-1221	SVOA-GC07	B	06/28/22 13:30
464405-001	Aroclor-1232	SVOA-GC07	B	06/28/22 13:30
464405-001	Aroclor-1242	SVOA-GC07	B	06/28/22 13:30
464405-001	Aroclor-1248	SVOA-GC07	B	06/28/22 13:30
464405-001	Aroclor-1254	SVOA-GC07	B	06/28/22 13:30
464405-001	Aroclor-1260	SVOA-GC07	B	06/28/22 13:30
464405-001	Aroclor-1268	SVOA-GC07	B	06/28/22 13:30
464405-001	TCMX (PCB)	SVOA-GC07	B	06/28/22 13:30
464405-001	Decachlorobiphenyl (PCB)	SVOA-GC07	B	06/28/22 13:30
464405-004	Aroclor-1016	SVOA-GC07	B	06/28/22 13:48
464405-004	Aroclor-1221	SVOA-GC07	B	06/28/22 13:48
464405-004	Aroclor-1232	SVOA-GC07	B	06/28/22 13:48
464405-004	Aroclor-1242	SVOA-GC07	B	06/28/22 13:48
464405-004	Aroclor-1248	SVOA-GC07	B	06/28/22 13:48
464405-004	Aroclor-1254	SVOA-GC07	B	06/28/22 13:48
464405-004	Aroclor-1260	SVOA-GC07	B	06/28/22 13:48
464405-004	Aroclor-1268	SVOA-GC07	B	06/28/22 13:48
464405-004	TCMX (PCB)	SVOA-GC07	B	06/28/22 13:48
464405-004	Decachlorobiphenyl (PCB)	SVOA-GC07	B	06/28/22 13:48
464405-006	Aroclor-1016	SVOA-GC07	B	06/28/22 14:05
464405-006	Aroclor-1221	SVOA-GC07	B	06/28/22 14:05
464405-006	Aroclor-1232	SVOA-GC07	B	06/28/22 14:05
464405-006	Aroclor-1242	SVOA-GC07	B	06/28/22 14:05
464405-006	Aroclor-1248	SVOA-GC07	B	06/28/22 14:05
464405-006	Aroclor-1254	SVOA-GC07	B	06/28/22 14:05
464405-006	Aroclor-1260	SVOA-GC07	B	06/28/22 14:05
464405-006	Aroclor-1268	SVOA-GC07	B	06/28/22 14:05
464405-006	TCMX (PCB)	SVOA-GC07	B	06/28/22 14:05
464405-006	Decachlorobiphenyl (PCB)	SVOA-GC07	B	06/28/22 14:05
464405-008	Aroclor-1016	SVOA-GC07	B	06/28/22 14:23
464405-008	Aroclor-1221	SVOA-GC07	B	06/28/22 14:23
464405-008	Aroclor-1232	SVOA-GC07	B	06/28/22 14:23
464405-008	Aroclor-1242	SVOA-GC07	B	06/28/22 14:23
464405-008	Aroclor-1248	SVOA-GC07	B	06/28/22 14:23
464405-008	Aroclor-1254	SVOA-GC07	B	06/28/22 14:23
464405-008	Aroclor-1260	SVOA-GC07	B	06/28/22 14:23
464405-008	Aroclor-1268	SVOA-GC07	B	06/28/22 14:23
464405-008	TCMX (PCB)	SVOA-GC07	B	06/28/22 14:23
464405-008	Decachlorobiphenyl (PCB)	SVOA-GC07	B	06/28/22 14:23
464405-010	Aroclor-1016	SVOA-GC07	B	06/28/22 14:40
464405-010	Aroclor-1221	SVOA-GC07	B	06/28/22 14:40
464405-010	Aroclor-1232	SVOA-GC07	B	06/28/22 14:40
464405-010	Aroclor-1242	SVOA-GC07	B	06/28/22 14:40
464405-010	Aroclor-1248	SVOA-GC07	B	06/28/22 14:40
464405-010	Aroclor-1254	SVOA-GC07	B	06/28/22 14:40
464405-010	Aroclor-1260	SVOA-GC07	B	06/28/22 14:40
464405-010	Aroclor-1268	SVOA-GC07	B	06/28/22 14:40
464405-010	TCMX (PCB)	SVOA-GC07	B	06/28/22 14:40
464405-010	Decachlorobiphenyl (PCB)	SVOA-GC07	B	06/28/22 14:40

REPORTING SUMMARY FOR 464405 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
464405-012	Aroclor-1016	SVOA-GC07	B	06/28/22 14:58
464405-012	Aroclor-1221	SVOA-GC07	B	06/28/22 14:58
464405-012	Aroclor-1232	SVOA-GC07	B	06/28/22 14:58
464405-012	Aroclor-1242	SVOA-GC07	B	06/28/22 14:58
464405-012	Aroclor-1248	SVOA-GC07	B	06/28/22 14:58
464405-012	Aroclor-1254	SVOA-GC07	B	06/28/22 14:58
464405-012	Aroclor-1260	SVOA-GC07	B	06/28/22 14:58
464405-012	Aroclor-1268	SVOA-GC07	B	06/28/22 14:58
464405-012	TCMX (PCB)	SVOA-GC07	B	06/28/22 14:58
464405-012	Decachlorobiphenyl (PCB)	SVOA-GC07	B	06/28/22 14:58
464405-014	Aroclor-1016	SVOA-GC07	B	06/28/22 15:15
464405-014	Aroclor-1221	SVOA-GC07	B	06/28/22 15:15
464405-014	Aroclor-1232	SVOA-GC07	B	06/28/22 15:15
464405-014	Aroclor-1242	SVOA-GC07	B	06/28/22 15:15
464405-014	Aroclor-1248	SVOA-GC07	B	06/28/22 15:15
464405-014	Aroclor-1254	SVOA-GC07	B	06/28/22 15:15
464405-014	Aroclor-1260	SVOA-GC07	B	06/28/22 15:15
464405-014	Aroclor-1268	SVOA-GC07	B	06/28/22 15:15
464405-014	TCMX (PCB)	SVOA-GC07	B	06/28/22 15:15
464405-014	Decachlorobiphenyl (PCB)	SVOA-GC07	B	06/28/22 15:15
464405-015	Aroclor-1016	SVOA-GC07	B	06/28/22 15:33
464405-015	Aroclor-1221	SVOA-GC07	B	06/28/22 15:33
464405-015	Aroclor-1232	SVOA-GC07	B	06/28/22 15:33
464405-015	Aroclor-1242	SVOA-GC07	B	06/28/22 15:33
464405-015	Aroclor-1248	SVOA-GC07	B	06/28/22 15:33
464405-015	Aroclor-1254	SVOA-GC07	B	06/28/22 15:33
464405-015	Aroclor-1260	SVOA-GC07	B	06/28/22 15:33
464405-015	Aroclor-1268	SVOA-GC07	B	06/28/22 15:33
464405-015	TCMX (PCB)	SVOA-GC07	B	06/28/22 15:33
464405-015	Decachlorobiphenyl (PCB)	SVOA-GC07	B	06/28/22 15:33
QC997361	Aroclor-1016	SVOA-GC07	B	06/28/22 12:37
QC997361	Aroclor-1221	SVOA-GC07	B	06/28/22 12:37
QC997361	Aroclor-1232	SVOA-GC07	B	06/28/22 12:37
QC997361	Aroclor-1242	SVOA-GC07	B	06/28/22 12:37
QC997361	Aroclor-1248	SVOA-GC07	B	06/28/22 12:37
QC997361	Aroclor-1254	SVOA-GC07	B	06/28/22 12:37
QC997361	Aroclor-1260	SVOA-GC07	B	06/28/22 12:37
QC997361	Aroclor-1268	SVOA-GC07	B	06/28/22 12:37
QC997361	TCMX (PCB)	SVOA-GC07	B	06/28/22 12:37
QC997361	Decachlorobiphenyl (PCB)	SVOA-GC07	B	06/28/22 12:37
QC997362	Aroclor-1016	SVOA-GC07	B	06/28/22 12:55
QC997362	Aroclor-1260	SVOA-GC07	B	06/28/22 12:55
QC997362	TCMX (PCB)	SVOA-GC07	B	06/28/22 12:55
QC997362	Decachlorobiphenyl (PCB)	SVOA-GC07	B	06/28/22 12:55
QC997363	Aroclor-1016	SVOA-GC07	B	06/28/22 13:13
QC997363	Aroclor-1260	SVOA-GC07	B	06/28/22 13:13
QC997363	TCMX (PCB)	SVOA-GC07	B	06/28/22 13:13
QC997363	Decachlorobiphenyl (PCB)	SVOA-GC07	B	06/28/22 13:13

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	464405-001	Client ID:	DOOR-N-0.1GW-DG-13 TO 27-220615-P-LA
Seqnum:	462258436010.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_062822010	Batch:	291960	Time:	28-JUN-2022 13:30
Cal:	462252739001	Caldate:	25-JUN-2022		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	2.402	ug/L	ND	0.86	179%	1.0		u
Aroclor-1016 Peak # 1	B	7.733	ug/L	0.15	1.20	154%			
Aroclor-1016 Peak # 2	B	0.5340	ug/L	0.01	0.04	108%			
Aroclor-1016 Peak # 3	B	2.521	ug/L	0.05	0.31	144%			
Aroclor-1016 Peak # 4	B	0.7527	ug/L	0.02	0.33	183%			
Aroclor-1016 Peak # 5	B	0.4716	ug/L	0.01	2.41	198%			
Aroclor-1221	B			ND			1.0		u
Aroclor-1232	B			ND			1.0		u
Aroclor-1242	B			ND			1.0		u
Aroclor-1248	B			ND			1.0		u
Aroclor-1254	B			ND			1.0		u
Aroclor-1260	B	6.544	ug/L	ND	0.52	120%	1.0		u
Aroclor-1260 Peak # 1	B	1.293	ug/L	0.03	0.76	187%			
Aroclor-1260 Peak # 2	B	1.155	ug/L	0.02	0.04	54%			
Aroclor-1260 Peak # 3	B	3.277	ug/L	0.07	0.05	34%			
Aroclor-1260 Peak # 4	B	9.005	ug/L	0.18	0.75	123%			
Aroclor-1260 Peak # 5	B	17.99	ug/L	0.36	1.00	94%			
Aroclor-1268	B			ND			1.0		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	32.41	pg/uL	1.000	0.6483	65	52-186	u
Decachlorobiphenyl (PCB)	B	28.76	pg/uL	1.000	0.5751	58	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_062822004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1389469	1292327	-6.99
1-bromo-2-nitrobenzene (PCB)	A	5233508	4500532	-14.01

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_062822004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.25	4.25	0.00

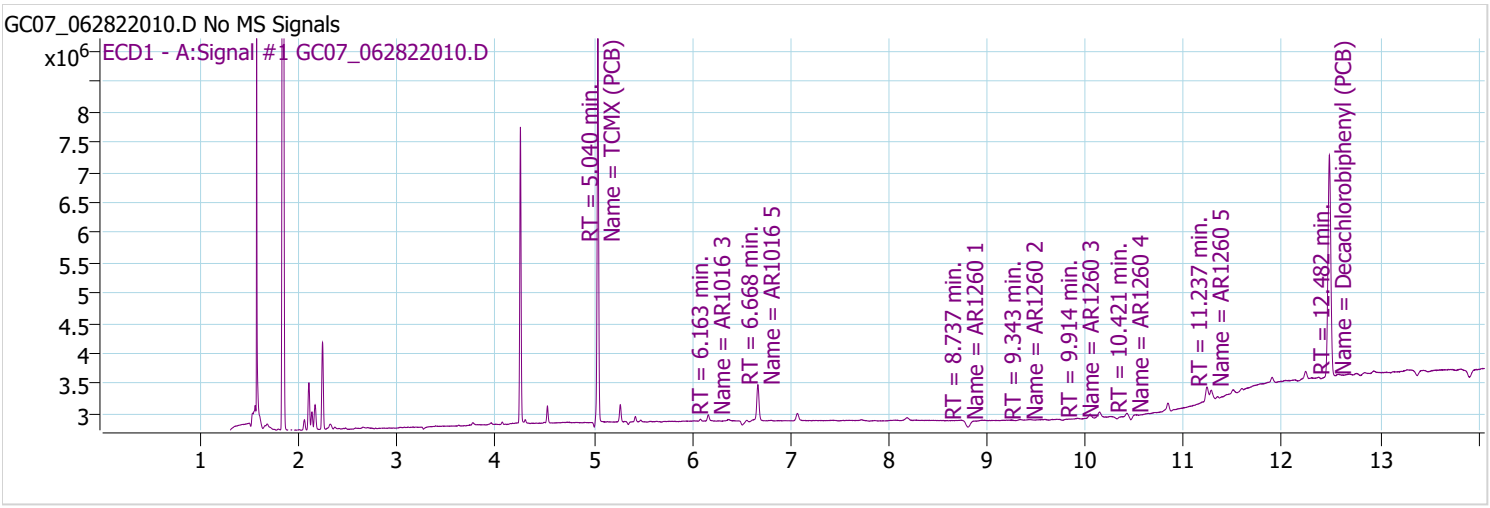
u=use

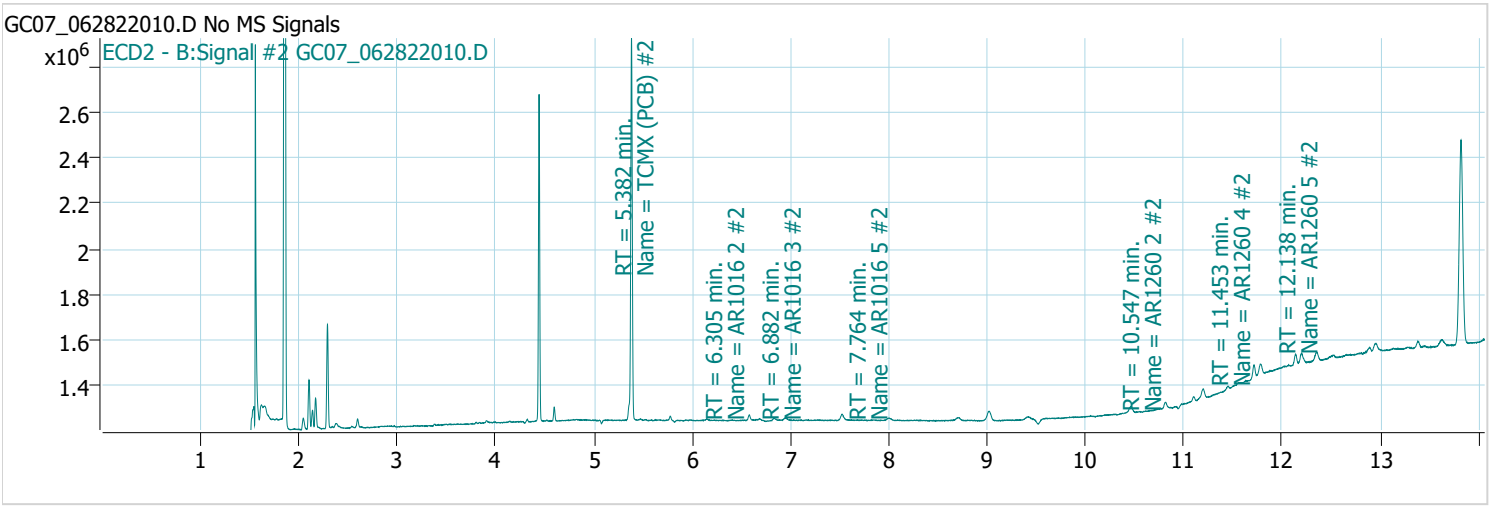
Analyst: TRN 06/28/22 *

Reviewer: SLL 06/28/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC07_062822010.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/28/2022 1:30:37 PM
Sample Name	464405-001, 291960, 1	Instrument	SVOA-GC07
Vial	4	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_2.m	Comment	Wipe/1s-20ml//3580 method
Tune File	ATUNE.U	Tune Date	
Batch Name	062822PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



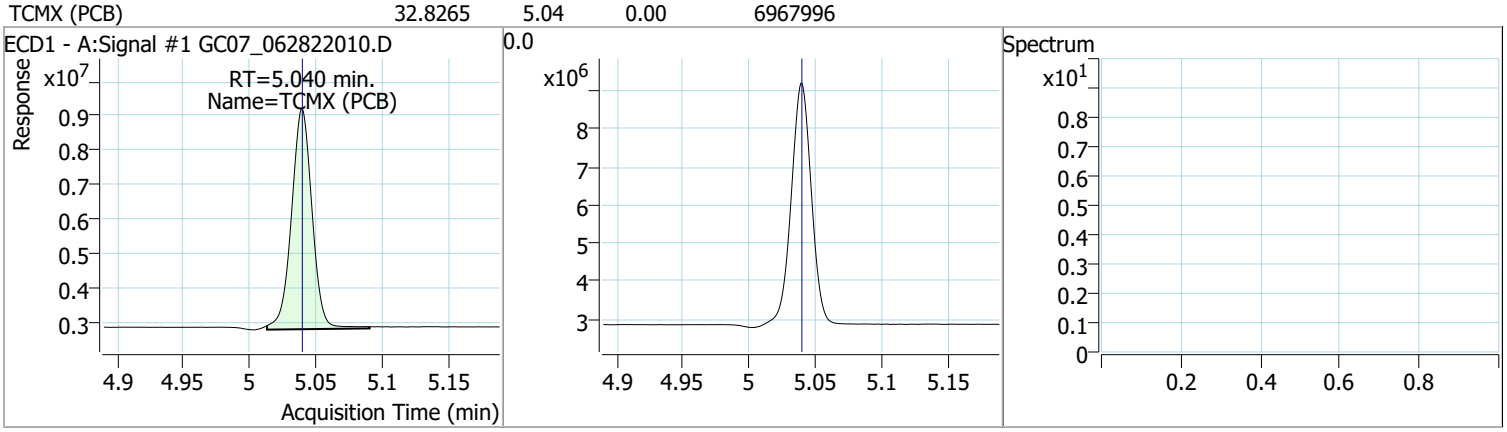


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.252	0.0	4500532.095	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.442	0.0	1292327.159	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.040	0.0	6967996.189	32.8265	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 164.13%		*	
S TCMX (PCB) #2	5.382	0.0	1899975.013	32.3955	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 161.98%		*	
S Decachlorobiphenyl (PCB)	12.482	0.0	7480730.410	29.7557	ng/ml		-0.011
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 148.78%			
S Decachlorobiphenyl (PCB) #2	13.821	0.0	2287070.222	28.7402	ng/ml		-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 143.70%			
Target Compounds							QValue

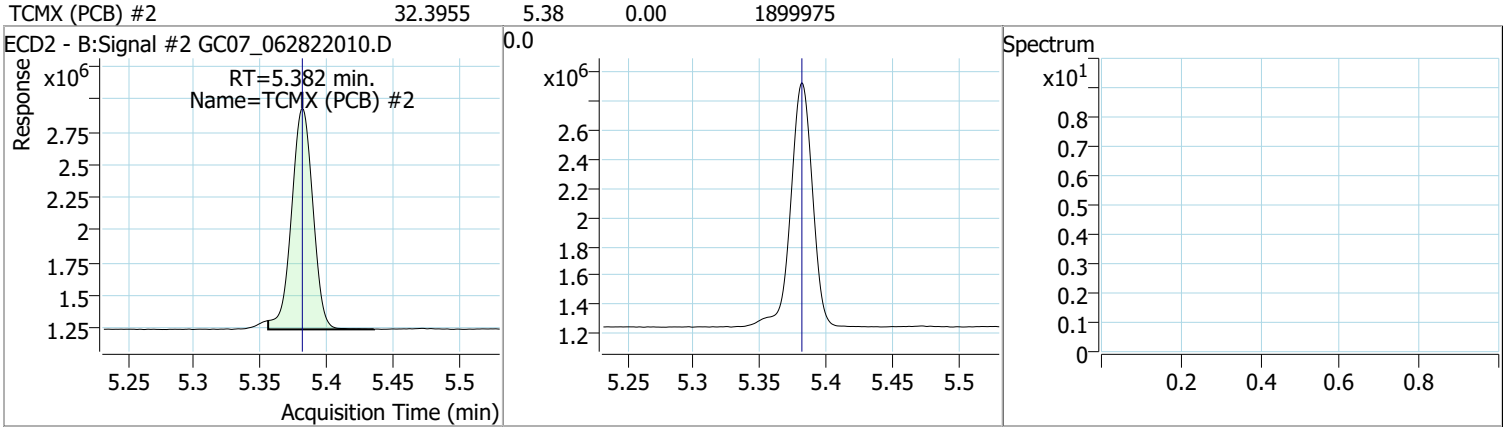
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.422	0.0	258233.779	59.8089	ng/ml	100
T AR1016 2	5.725	0.0	16721.414	1.7869	ng/ml	100
T AR1016 1 #2	5.886	0.0	10058.650	7.7289	ng/ml	100
T AR1016 3	6.163	0.0	167206.577	15.4305	ng/ml	100
T AR1016 2 #2	6.305	0.0	1512.603	0.5337	ng/ml	100
T AR1016 4	6.368	0.0	128619.731	16.5058	ng/ml	100
T AR1016 5	6.668	0.0	780589.045	120.2610	ng/ml	100
T AR1016 3 #2	6.882	0.0	8190.107	2.5195	ng/ml	100
T AR1016 4 #2	7.084	0.0	1697.217	0.7523	ng/ml	100
T AR1016 5 #2	7.764	0.0	888.352	0.4714	ng/ml	100
T AR1260 1	8.737	0.0	520741.311	37.9911	ng/ml	100
T AR1260 2	9.343	0.0	39346.482	1.9997	ng/ml	100
T AR1260 3	9.914	0.0	46336.689	2.3238	ng/ml	100
T AR1260 1 #2	10.220	0.0	5288.085	1.2920	ng/ml	100
T AR1260 4	10.421	0.0	382148.892	37.4901	ng/ml	100
T AR1260 2 #2	10.547	0.0	5249.210	1.1544	ng/ml	100
T AR1260 3 #2	10.976	0.0	18330.602	3.2751	ng/ml	100
T AR1260 5	11.237	0.0	468527.644	50.0650	ng/ml	100
T AR1260 4 #2	11.453	0.0	28260.683	8.9997	ng/ml	100
T AR1260 5 #2	12.138	0.0	81145.077	17.9820	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

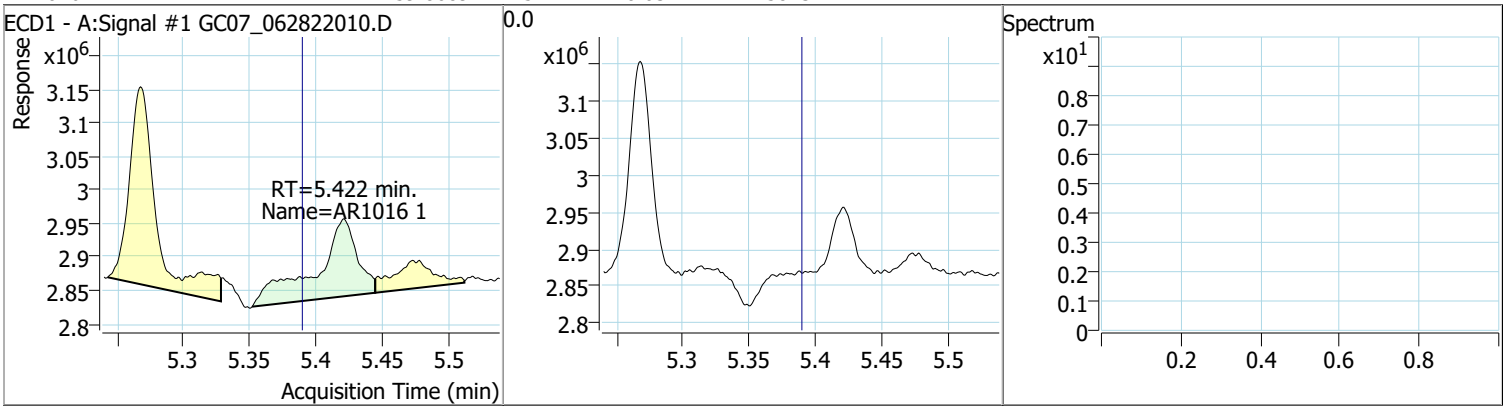
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	32.8265	5.04	0.00	6967996				



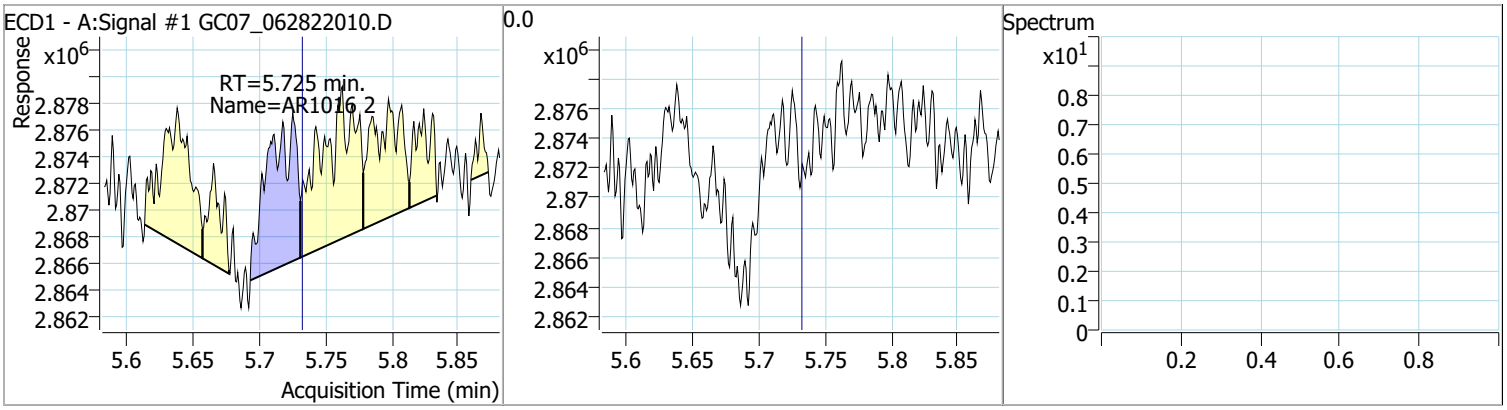
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	32.3955	5.38	0.00	1899975				



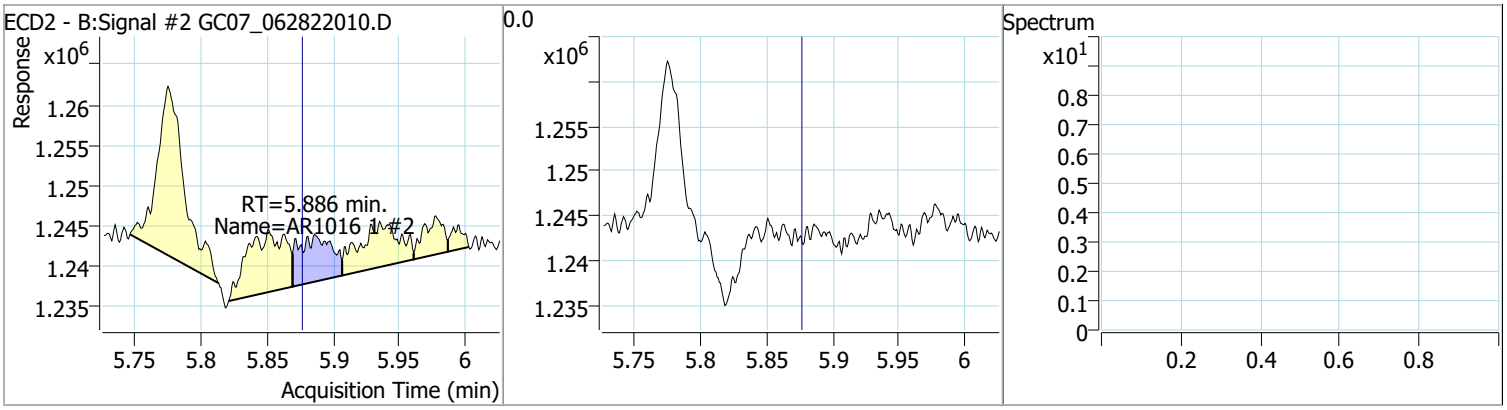
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	59.8089	5.42	0.03	258234				



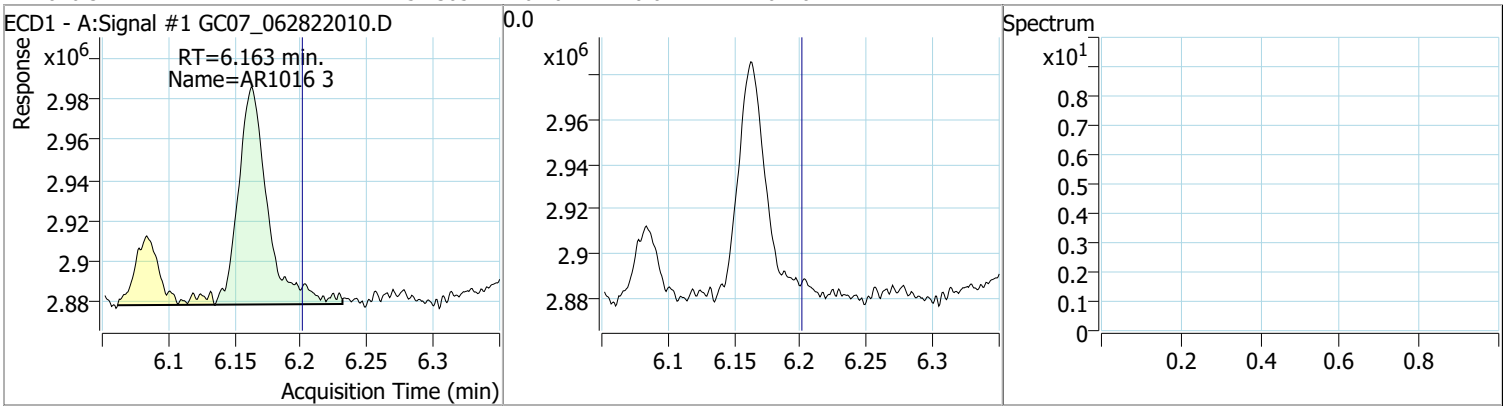
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1.7869	5.73	-0.01	16721				



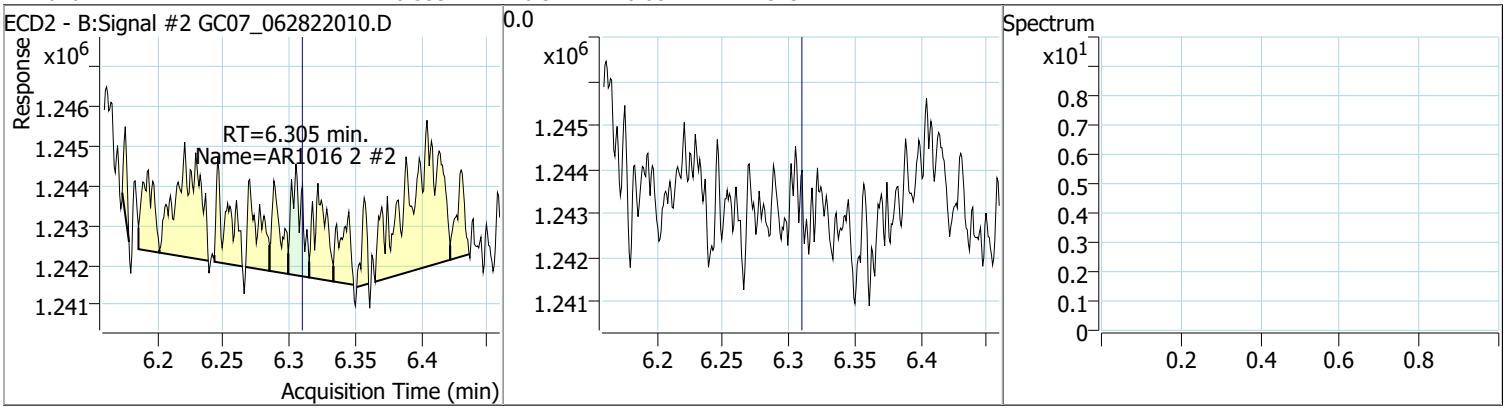
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	7.7289	5.89	0.01	10059				



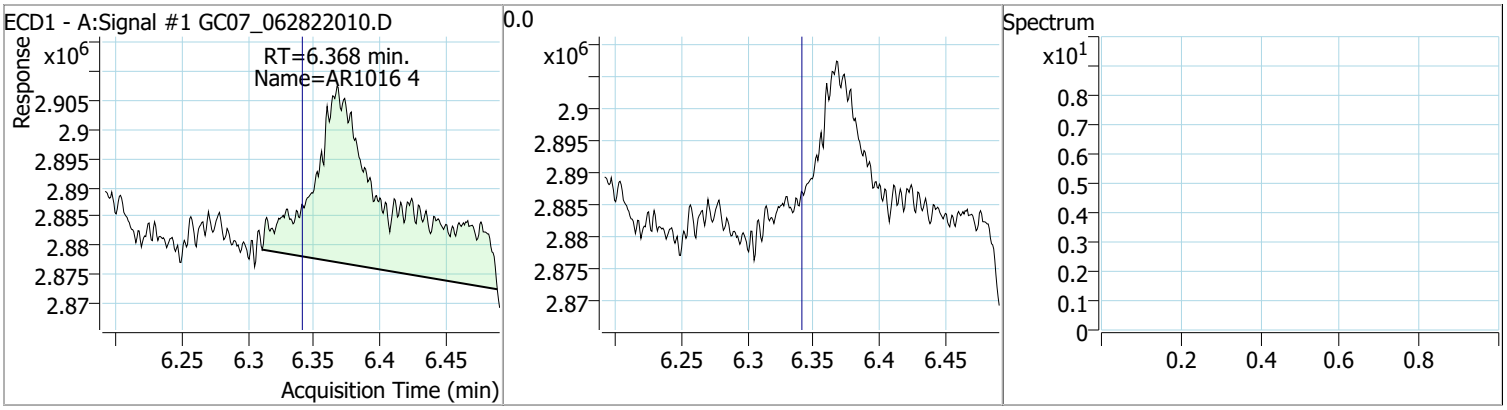
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	15.4305	6.16	-0.04	167207				



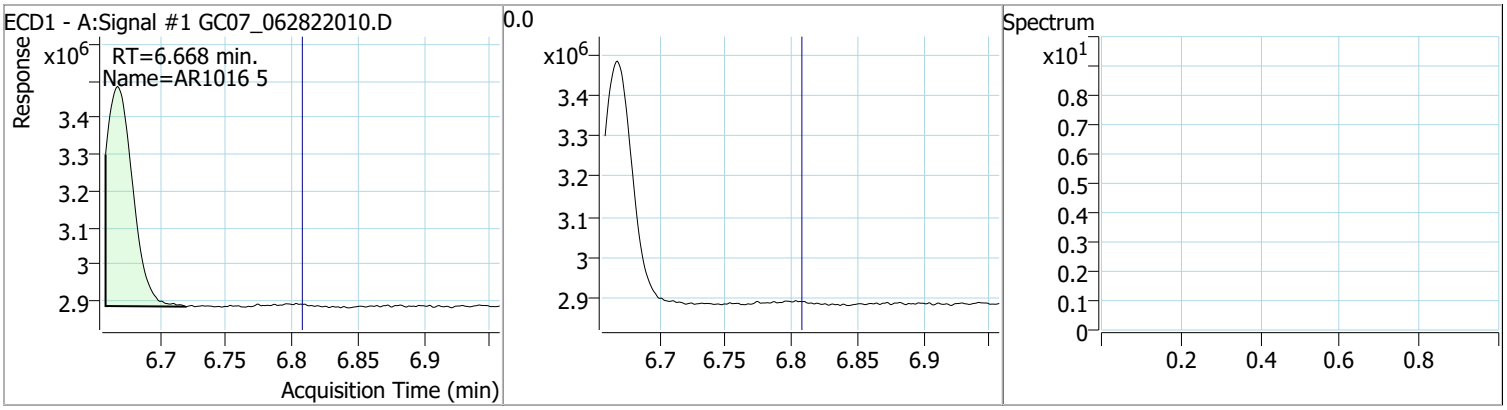
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	0.5337	6.31	0.00	1513				



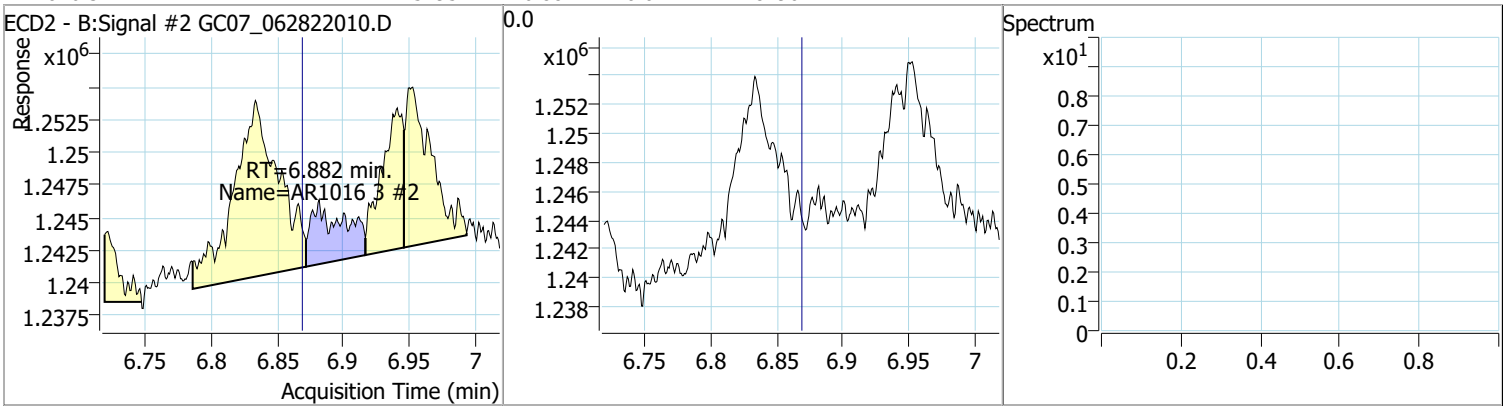
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	16.5058	6.37	0.03	128620				



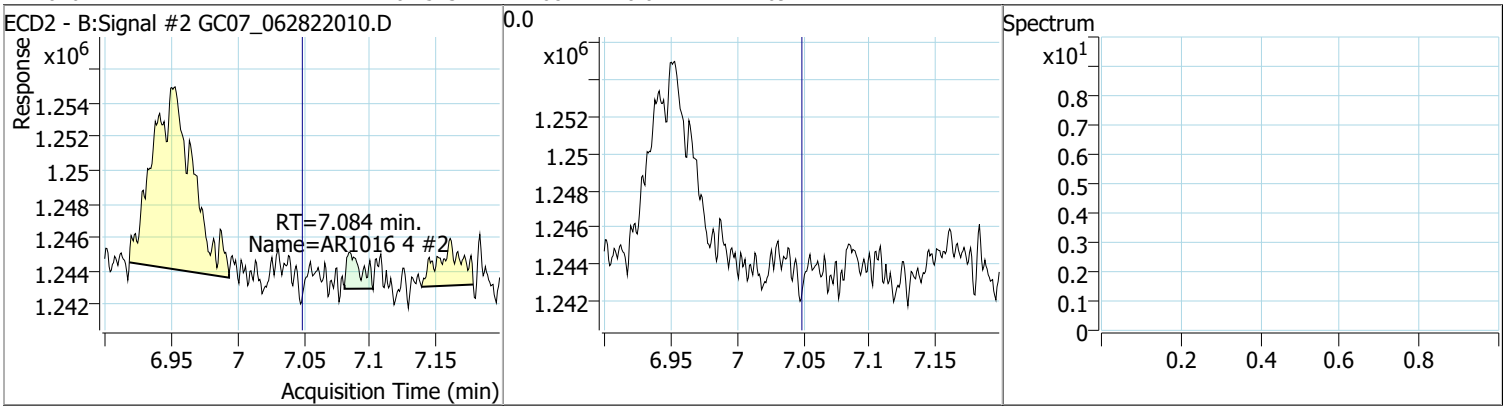
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	120.2610	6.67	-0.14	780589				



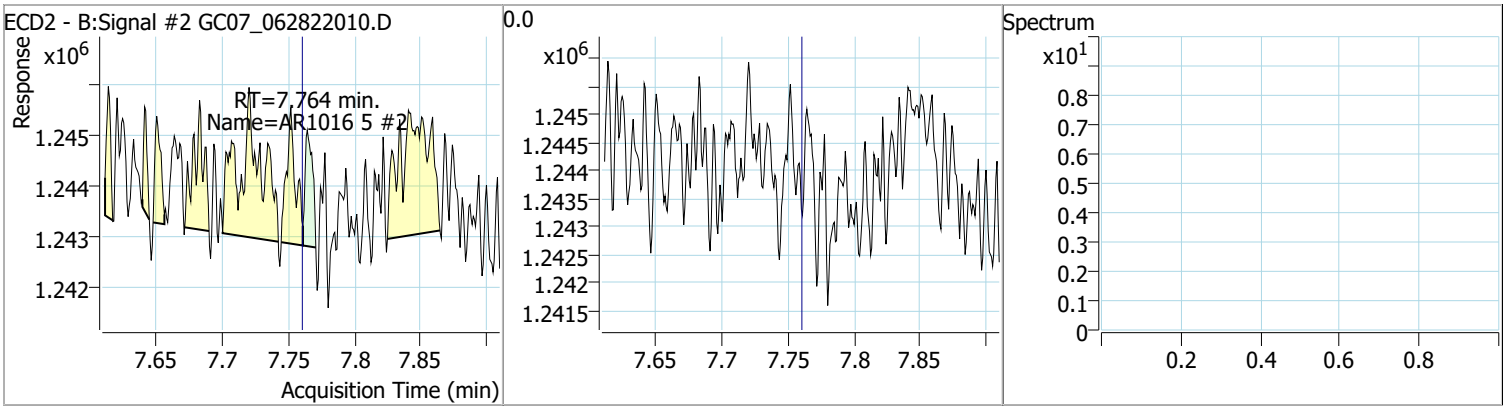
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	2.5195	6.88	0.01	8190				



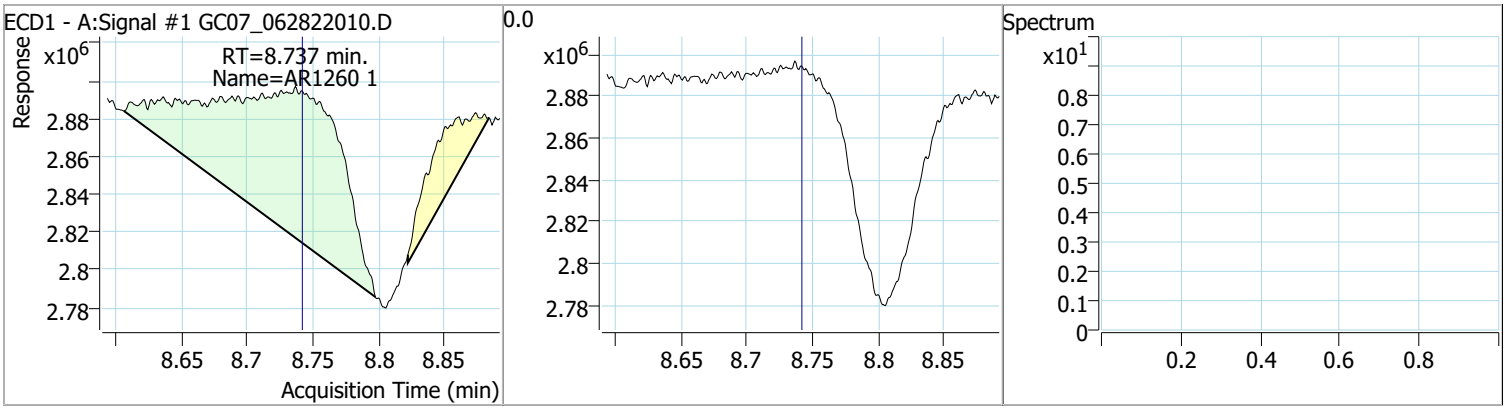
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.7523	7.08	0.04	1697				



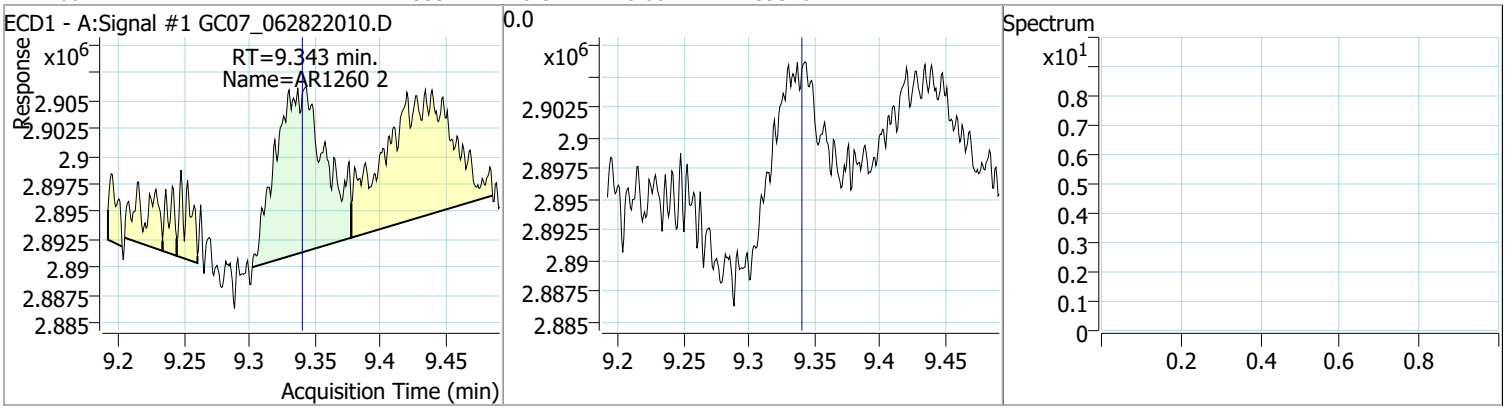
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.4714	7.76	0.00	888				



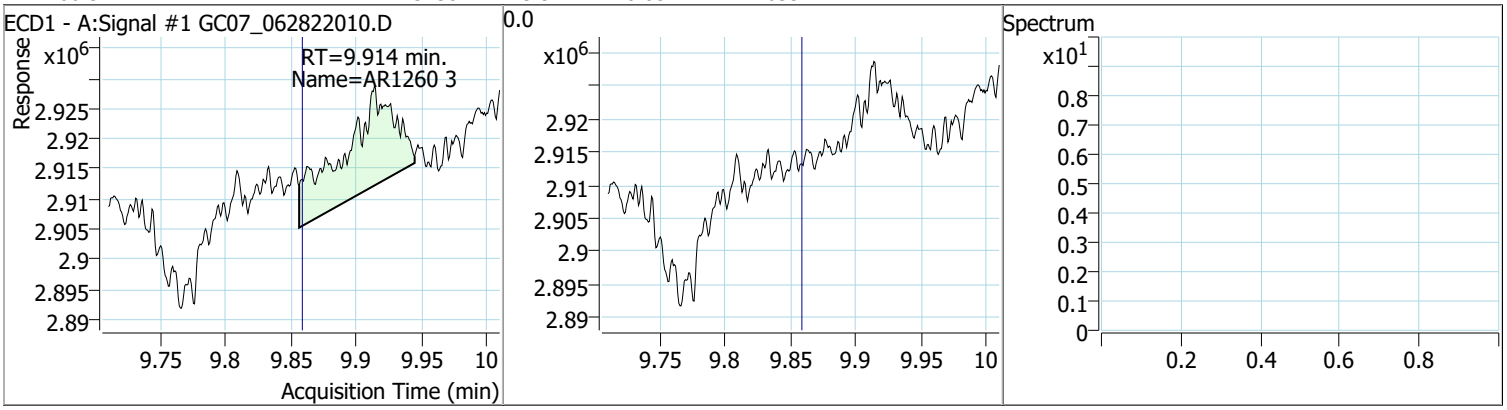
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	37.9911	8.74	-0.01	520741				



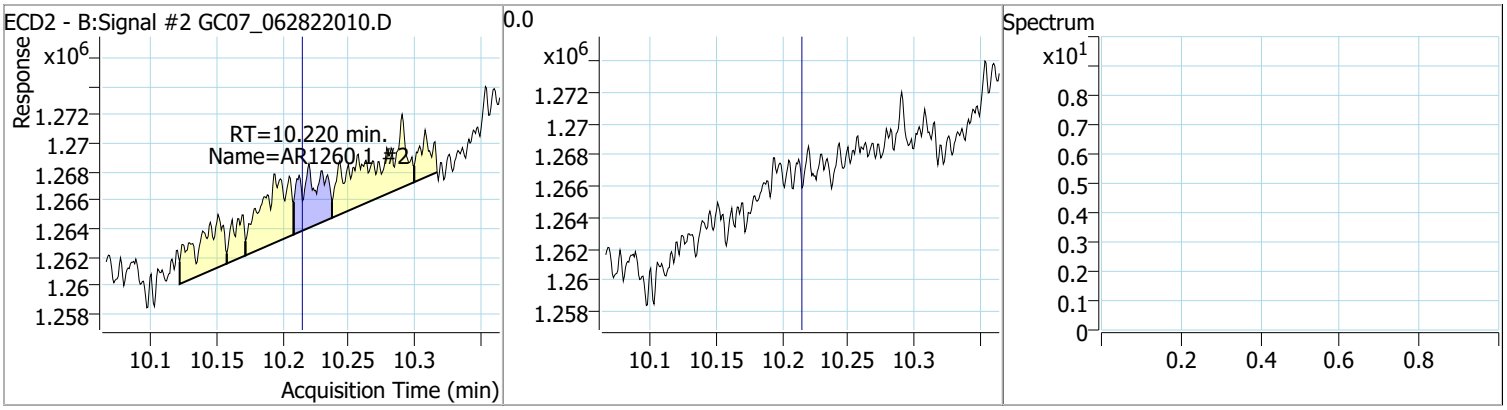
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.9997	9.34	0.00	39346				



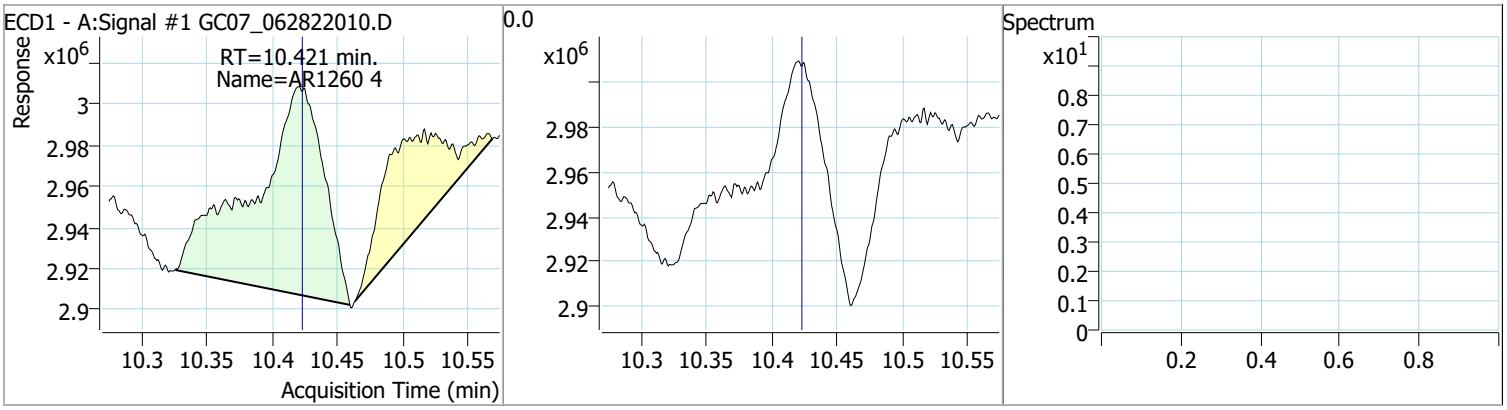
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	2.3238	9.91	0.05	46337				



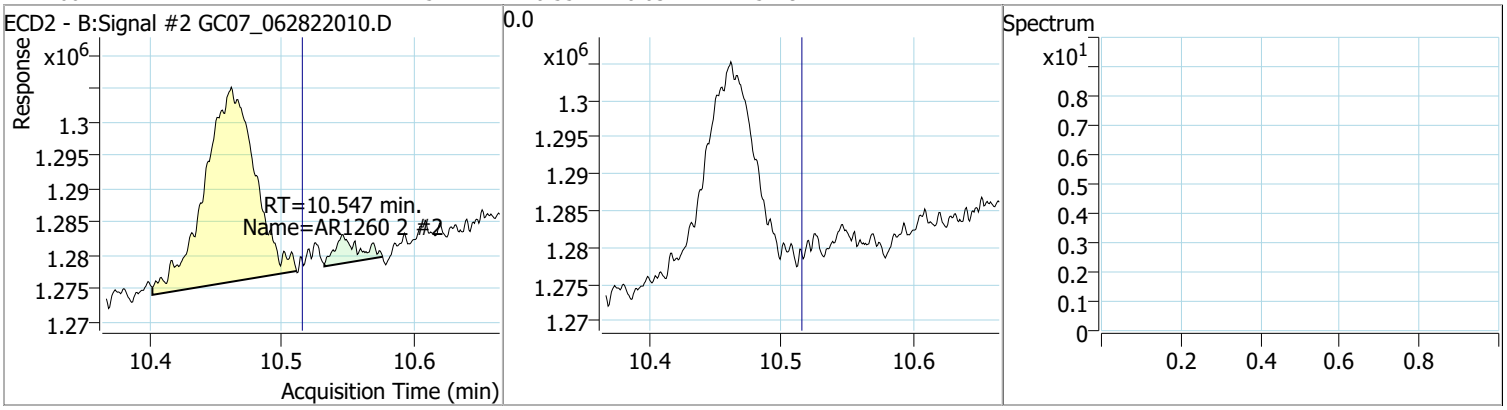
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1.2920	10.22	0.00	5288				



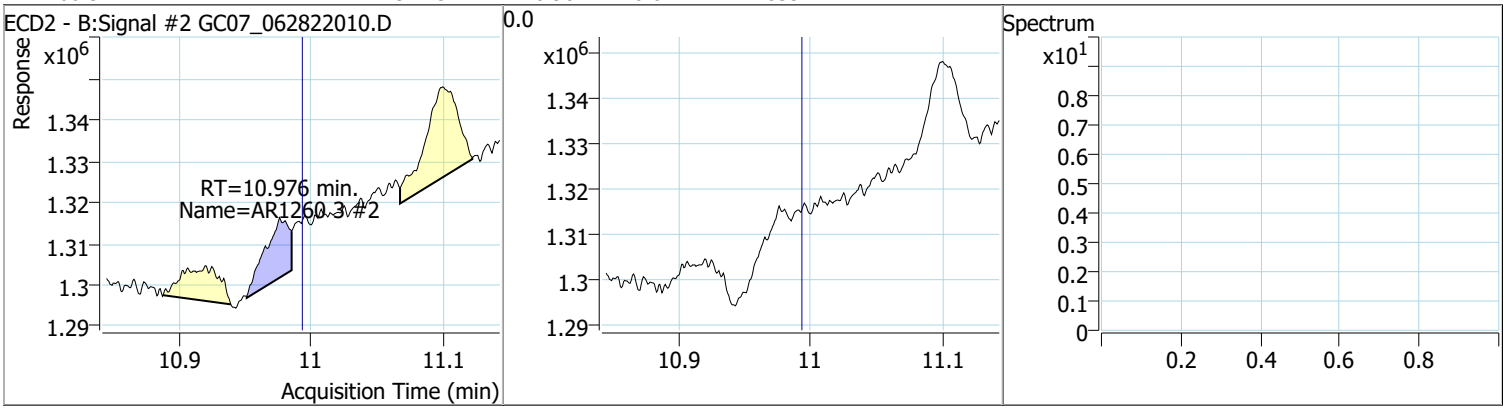
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	37.4901	10.42	0.00	382149				



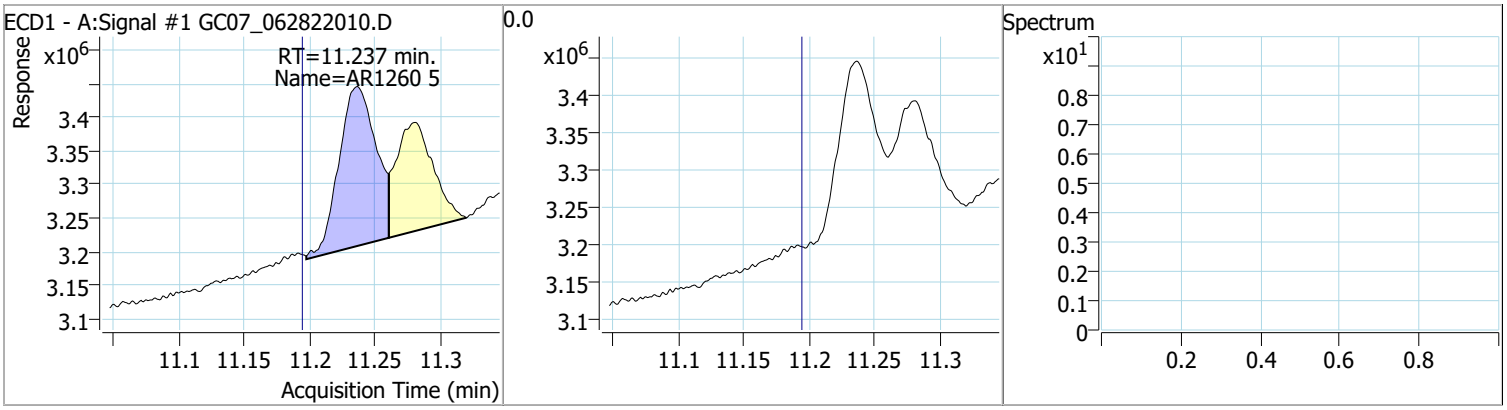
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1.1544	10.55	0.03	5249				



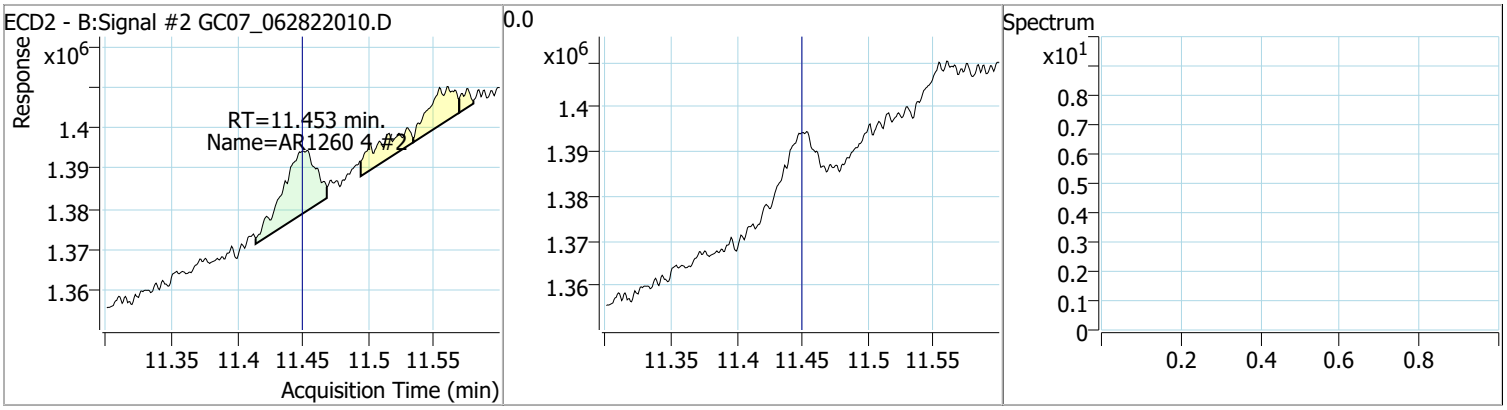
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	3.2751	10.98	-0.02	18331				



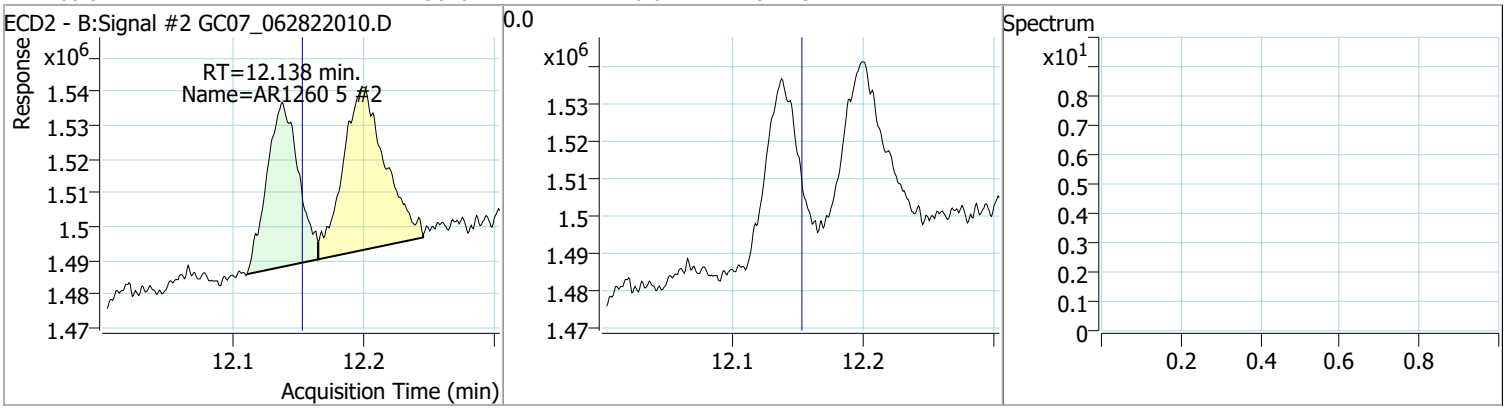
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	50.0650	11.24	0.04	468528				



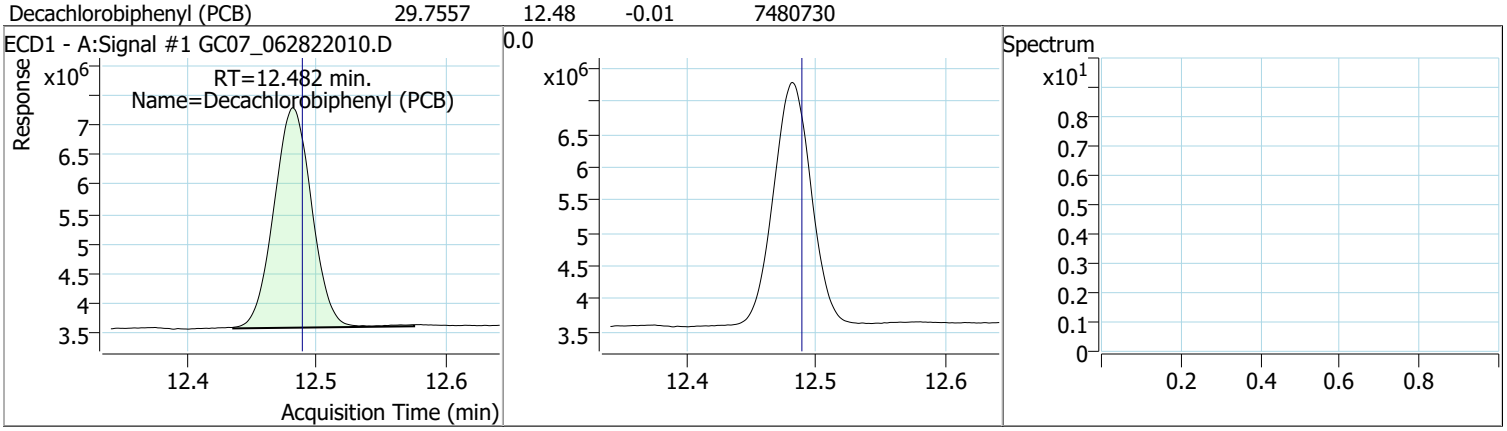
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	8.9997	11.45	0.00	28261				



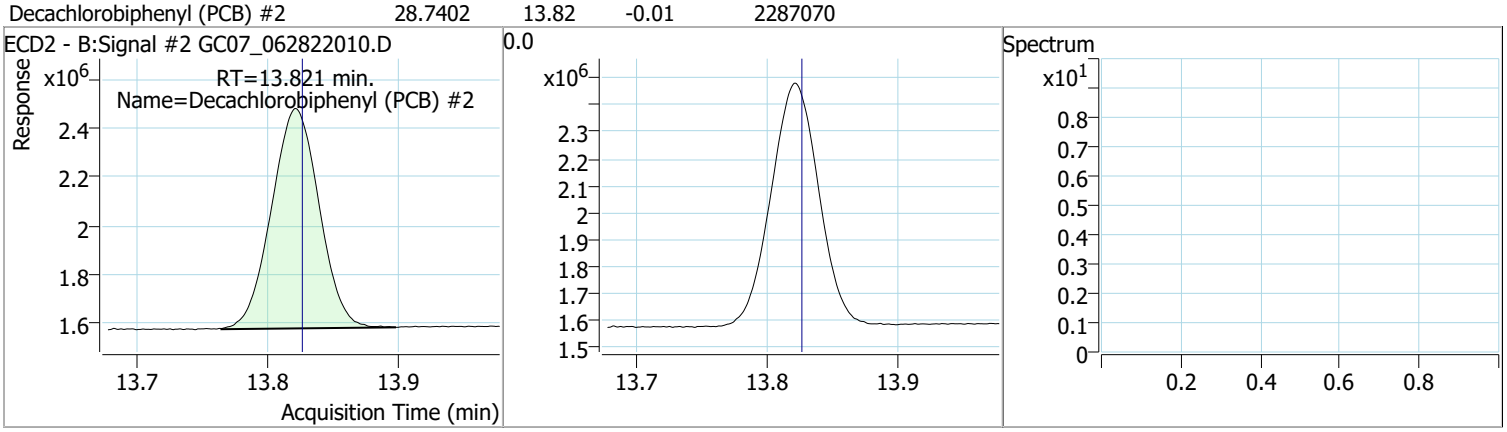
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	17.9820	12.14	-0.02	81145				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	29.7557	12.48	-0.01	7480730				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	28.7402	13.82	-0.01	2287070				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	464405-004	Client ID:	DOOR-N-0.9GW-INT-27 TO 15-220615-P-CB
Seqnum:	462258436011.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_062822011	Batch:	291960	Time:	28-JUN-2022 13:48
Cal:	462252739001	Caldate:	25-JUN-2022		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	3.527	ug/L	ND	0.60	158%	1.0		u
Aroclor-1016 Peak # 1	B	14.00	ug/L	0.28	1.06	116%			
Aroclor-1016 Peak # 2	B	0.6292	ug/L	0.01	0.02	65%			
Aroclor-1016 Peak # 3	B	1.975	ug/L	0.04	0.97	184%			
Aroclor-1016 Peak # 4	B	0.7094	ug/L	0.01	0.01	89%			
Aroclor-1016 Peak # 5	B	0.3184	ug/L	0.01	0.96	197%			
Aroclor-1221	B			ND			1.0		u
Aroclor-1232	B			ND			1.0		u
Aroclor-1242	B			ND			1.0		u
Aroclor-1248	B			ND			1.0		u
Aroclor-1254	B			ND			1.0		u
Aroclor-1260	B	5.970	ug/L	ND	0.92	154%	1.0		u
Aroclor-1260 Peak # 1	B	0.6159	ug/L	0.01	0.67	193%			
Aroclor-1260 Peak # 2	B	1.913	ug/L	0.04	0.05	22%			
Aroclor-1260 Peak # 3	B	1.797	ug/L	0.04	0.07	63%			
Aroclor-1260 Peak # 4	B	8.958	ug/L	0.18	0.68	117%			
Aroclor-1260 Peak # 5	B	16.56	ug/L	0.33	3.11	161%			
Aroclor-1268	B			ND			1.0		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	33.08	pg/uL	1.000	0.6616	66	52-186	u
Decachlorobiphenyl (PCB)	B	29.97	pg/uL	1.000	0.5994	60	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_062822004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1389469	1720983	23.86
1-bromo-2-nitrobenzene (PCB)	A	5233508	5961053	13.90

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_062822004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.25	4.25	0.00

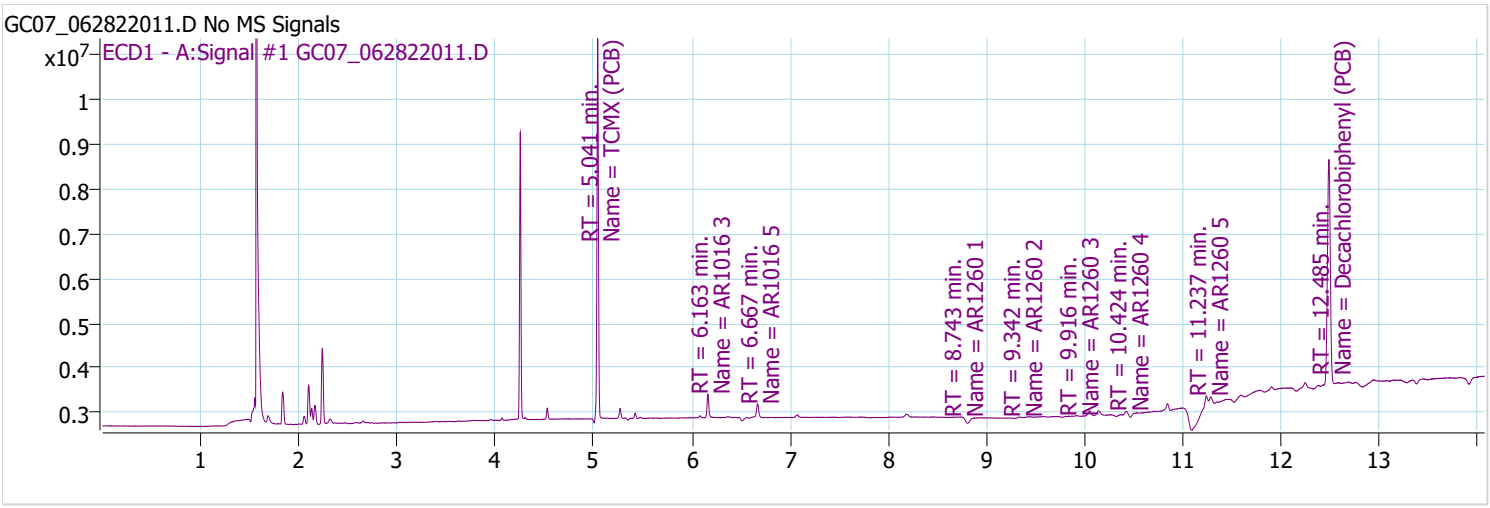
u=use

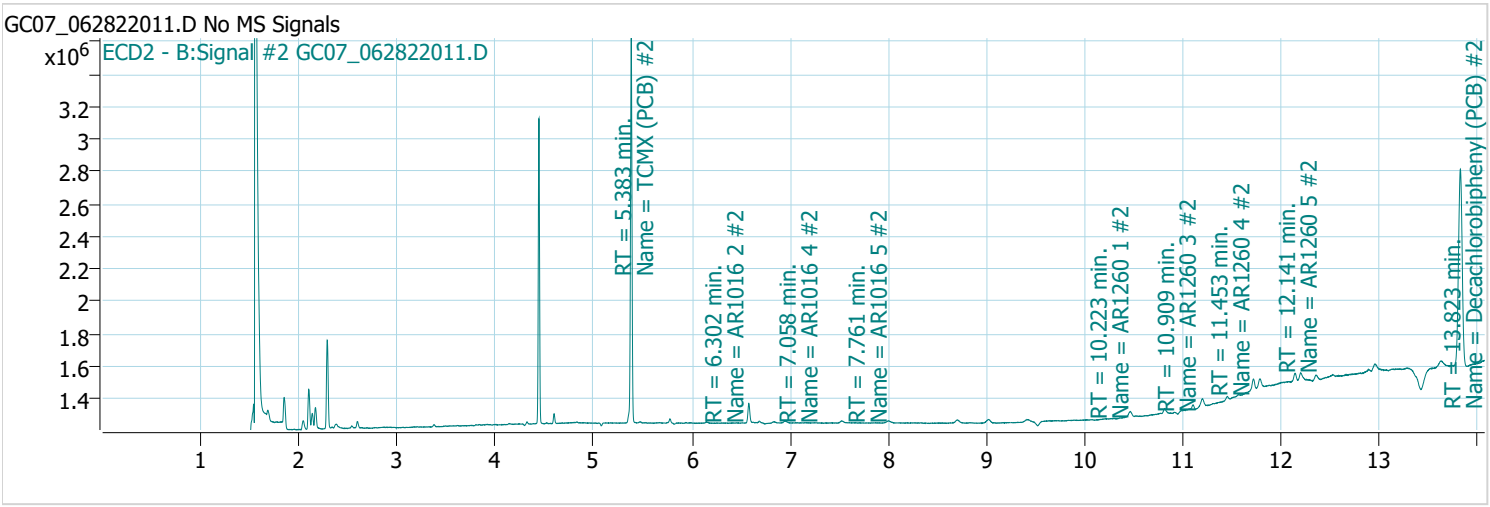
Analyst: TRN 06/28/22 *

Reviewer: SLL 06/28/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC07_062822011.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/28/2022 1:48:11 PM
Sample Name	464405-004, 291960, 1	Instrument	SVOA-GC07
Vial	5	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_2.m	Comment	Wipe/1s-20ml//3580 method
Tune File	ATUNE.U	Tune Date	
Batch Name	062822PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



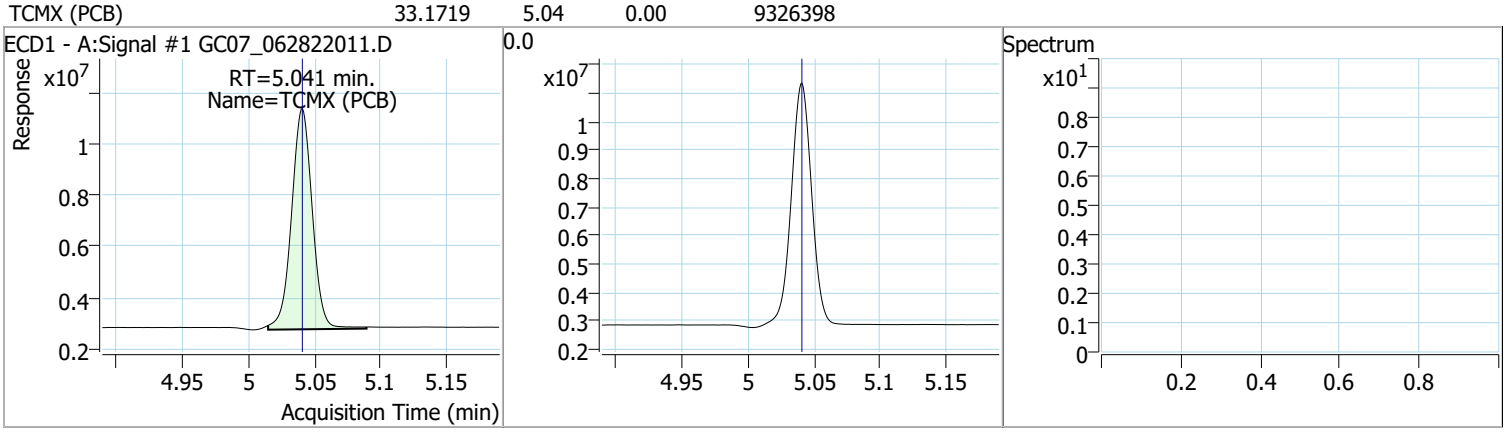


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.253	0.0	5961053.117	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.443	0.0	1720982.912	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.041	0.0	9326397.621	33.1719	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 165.86%		*	
S TCMX (PCB) #2	5.383	0.0	2582247.221	33.0621	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 165.31%		*	
S Decachlorobiphenyl (PCB)	12.485	0.0	10457111.443	31.4035	ng/ml		-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 157.02%		*	
S Decachlorobiphenyl (PCB) #2	13.823	0.0	3174447.337	29.9553	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 149.78%			
Target Compounds							QValue

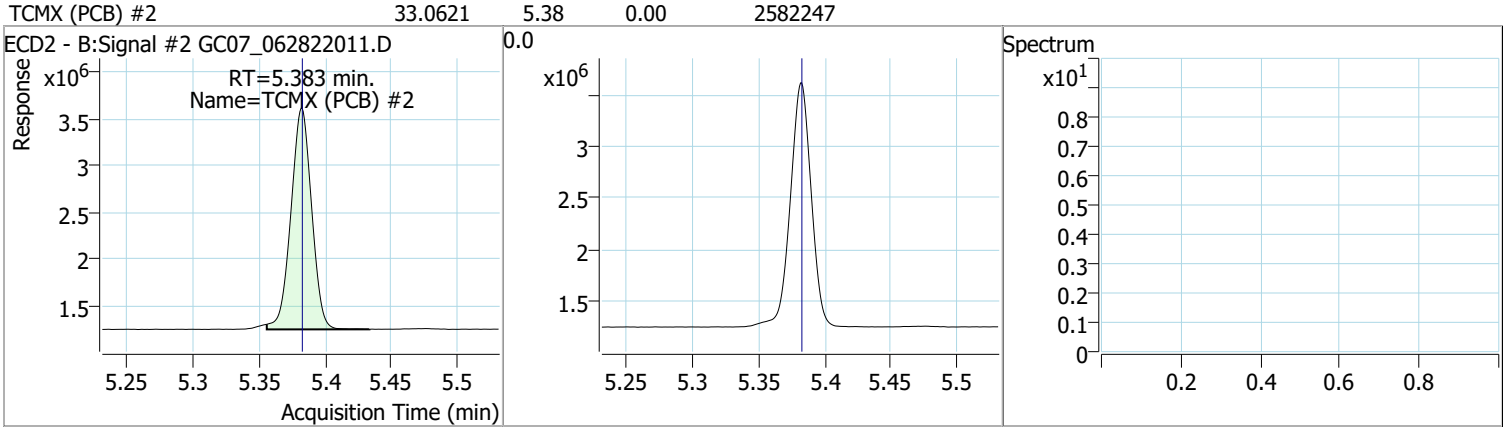
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.421	0.0	302037.453	52.8147	ng/ml	100
T AR1016 2	5.718	0.0	15282.719	1.2330	ng/ml	100
T AR1016 1 #2	5.862	0.0	24251.700	13.9931	ng/ml	100
T AR1016 3	6.163	0.0	696909.997	48.5560	ng/ml	100
T AR1016 2 #2	6.302	0.0	2373.377	0.6289	ng/ml	100
T AR1016 4	6.334	0.0	2801.062	0.2714	ng/ml	100
T AR1016 5	6.667	0.0	414438.602	48.2063	ng/ml	100
T AR1016 3 #2	6.878	0.0	8544.456	1.9738	ng/ml	100
T AR1016 4 #2	7.058	0.0	2130.120	0.7090	ng/ml	100
T AR1016 5 #2	7.761	0.0	798.652	0.3182	ng/ml	100
T AR1260 1	8.743	0.0	607082.689	33.4386	ng/ml	100
T AR1260 2	9.342	0.0	62135.013	2.3841	ng/ml	100
T AR1260 3	9.916	0.0	91548.489	3.4664	ng/ml	100
T AR1260 1 #2	10.223	0.0	3355.185	0.6156	ng/ml	100
T AR1260 4	10.424	0.0	460600.288	34.1153	ng/ml	100
T AR1260 2 #2	10.514	0.0	11575.289	1.9116	ng/ml	100
T AR1260 3 #2	10.909	0.0	13387.512	1.7962	ng/ml	100
T AR1260 5	11.237	0.0	1925400.231	155.3320	ng/ml	100
T AR1260 4 #2	11.453	0.0	37437.275	8.9525	ng/ml	100
T AR1260 5 #2	12.141	0.0	99484.306	16.5549	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

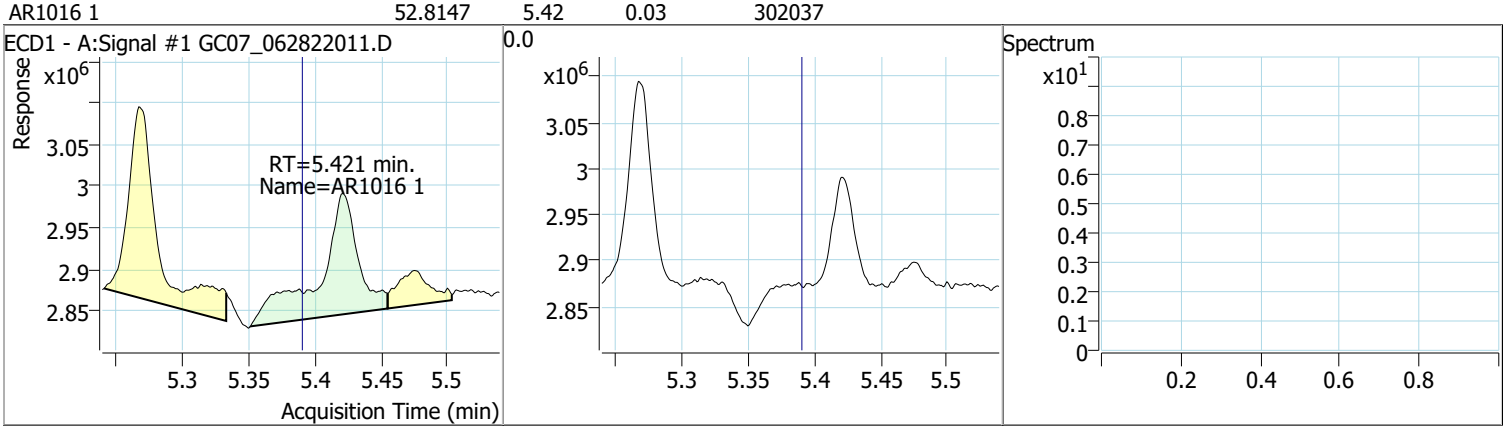
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	33.1719	5.04	0.00	9326398				



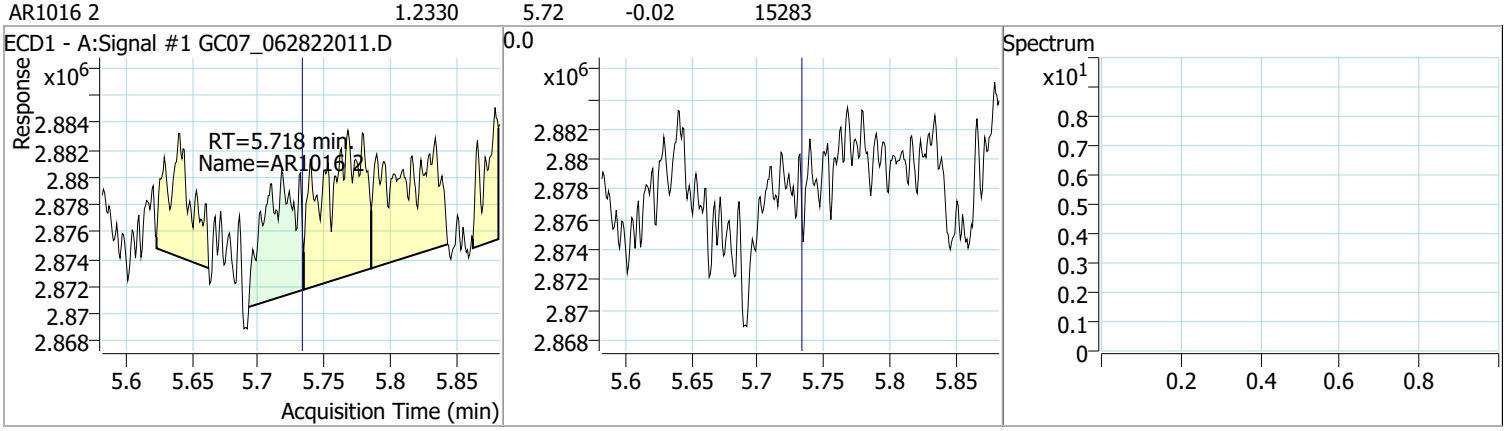
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	33.0621	5.38	0.00	2582247				



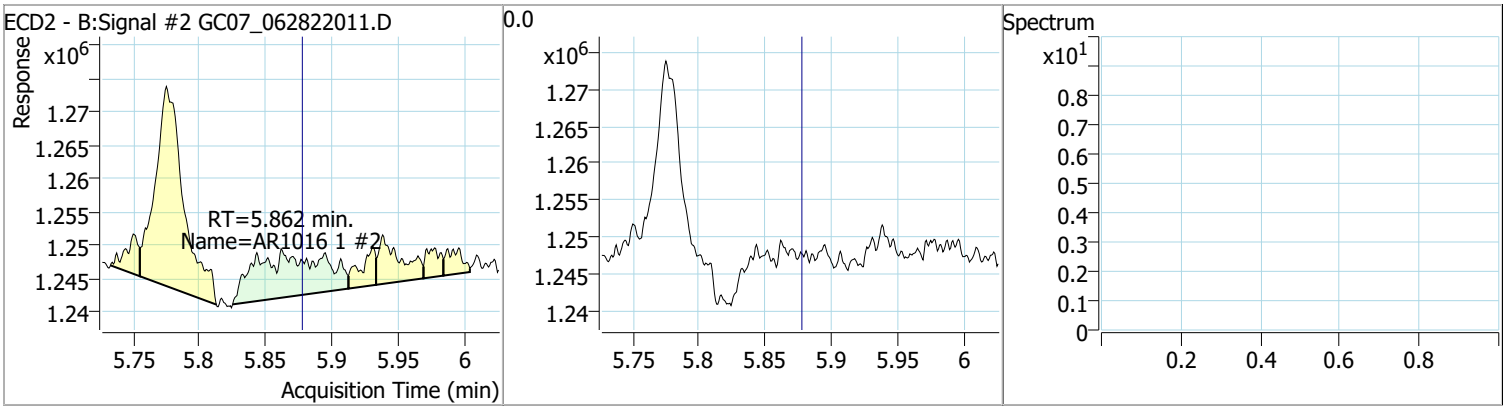
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	52.8147	5.42	0.03	302037				



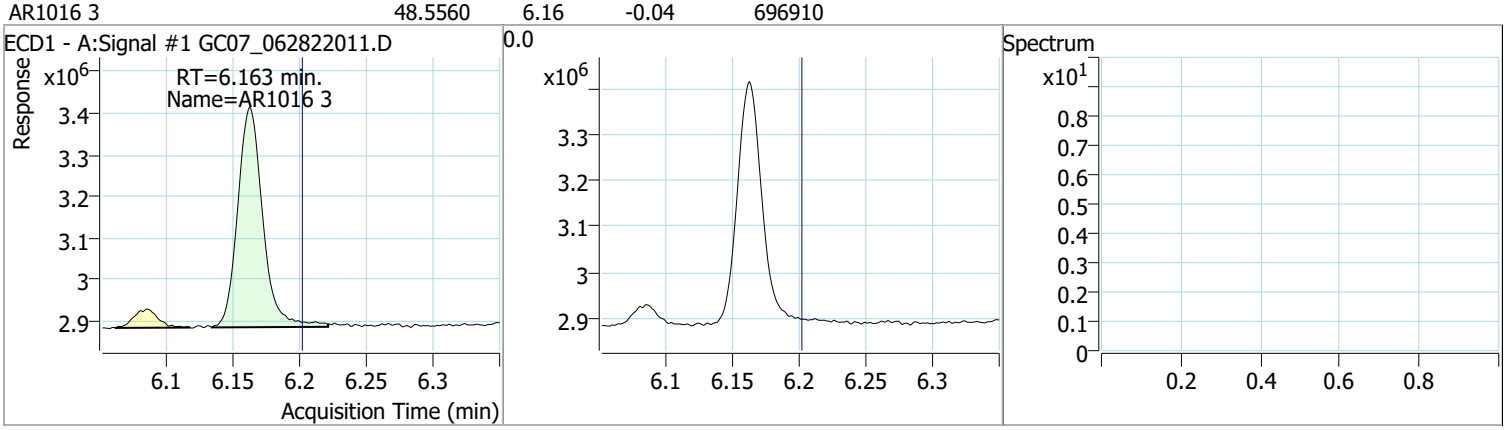
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1.2330	5.72	-0.02	15283				



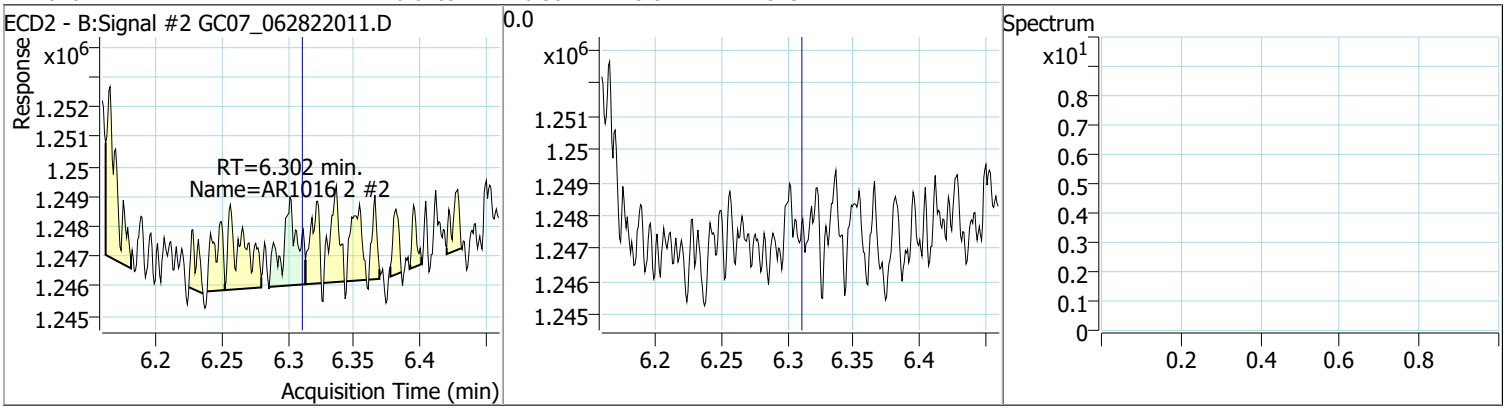
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	13.9931	5.86	-0.01	24252				



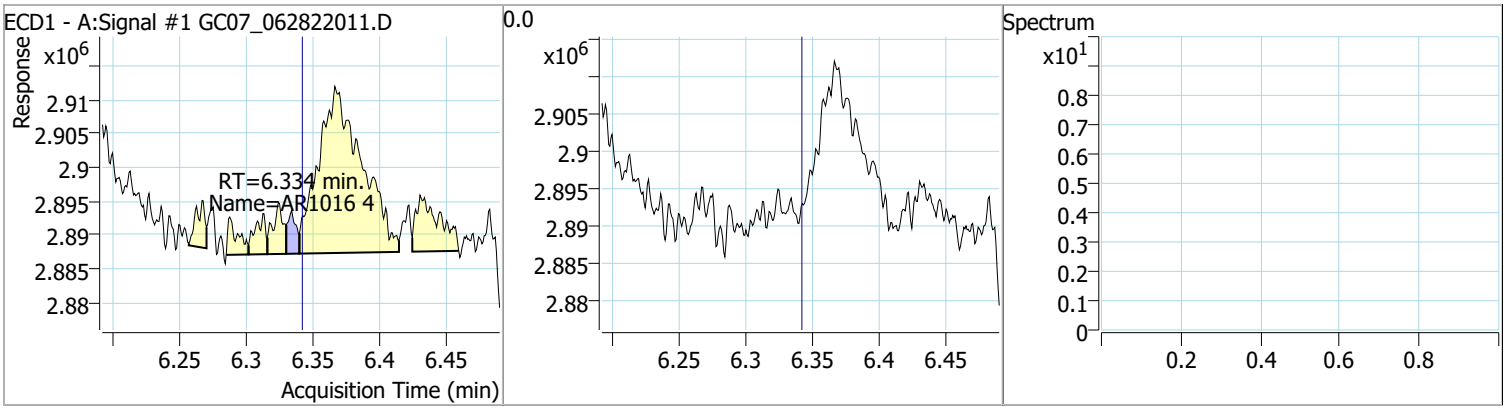
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	48.5560	6.16	-0.04	696910				



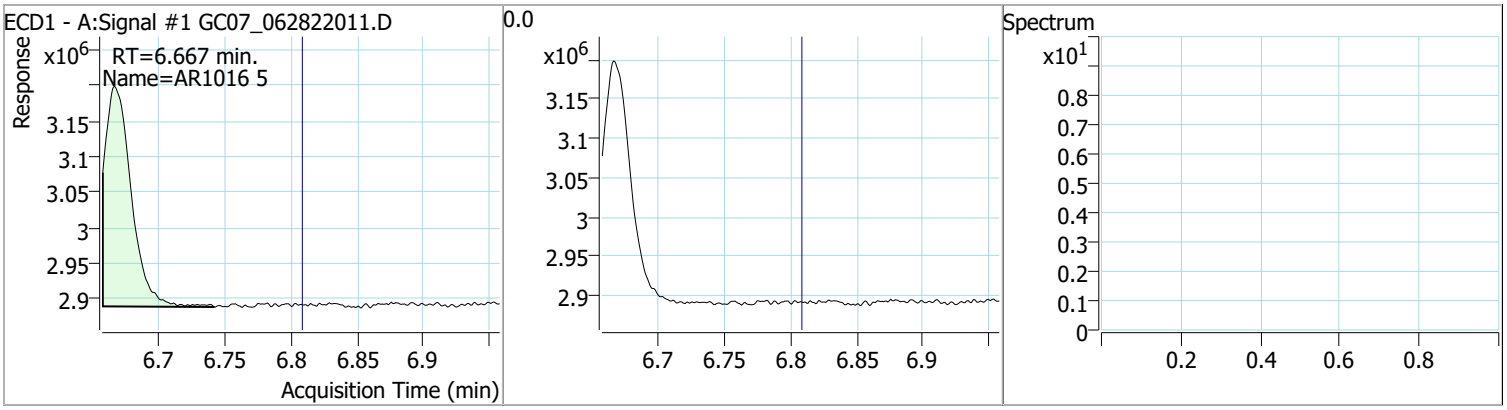
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	0.6289	6.30	-0.01	2373				



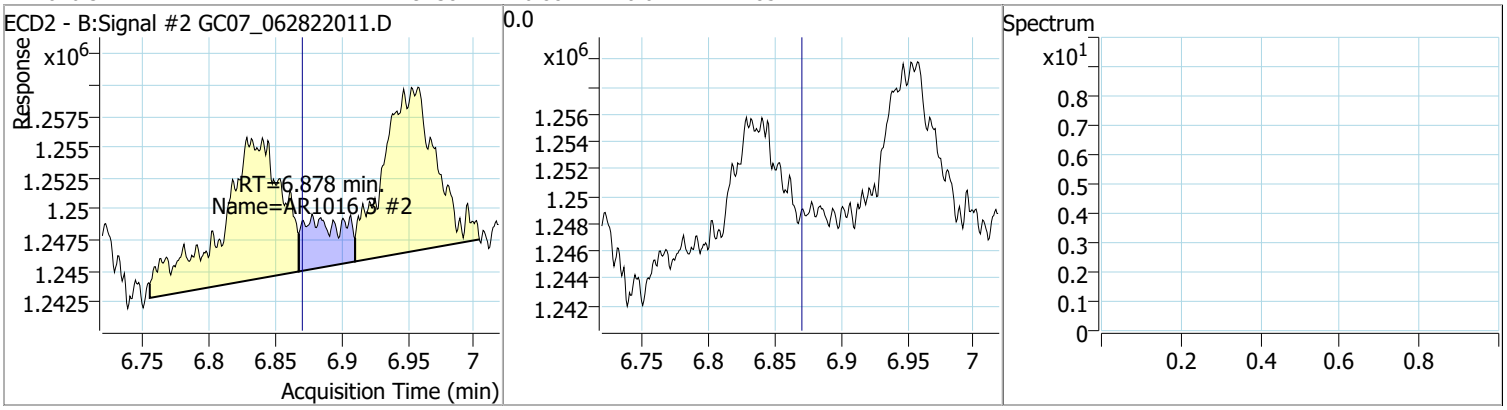
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	0.2714	6.33	-0.01	2801				



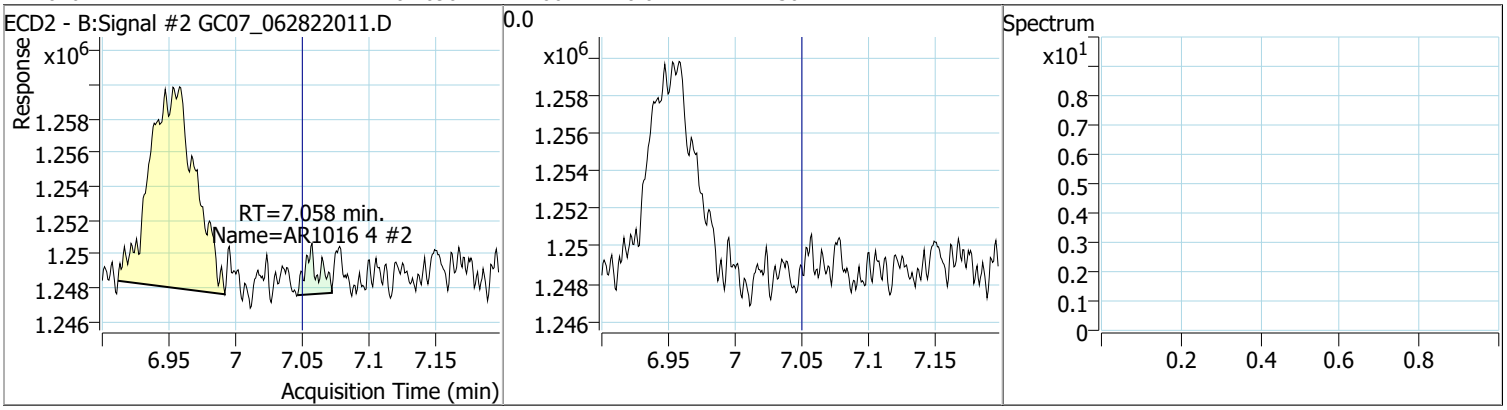
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	48.2063	6.67	-0.14	414439				



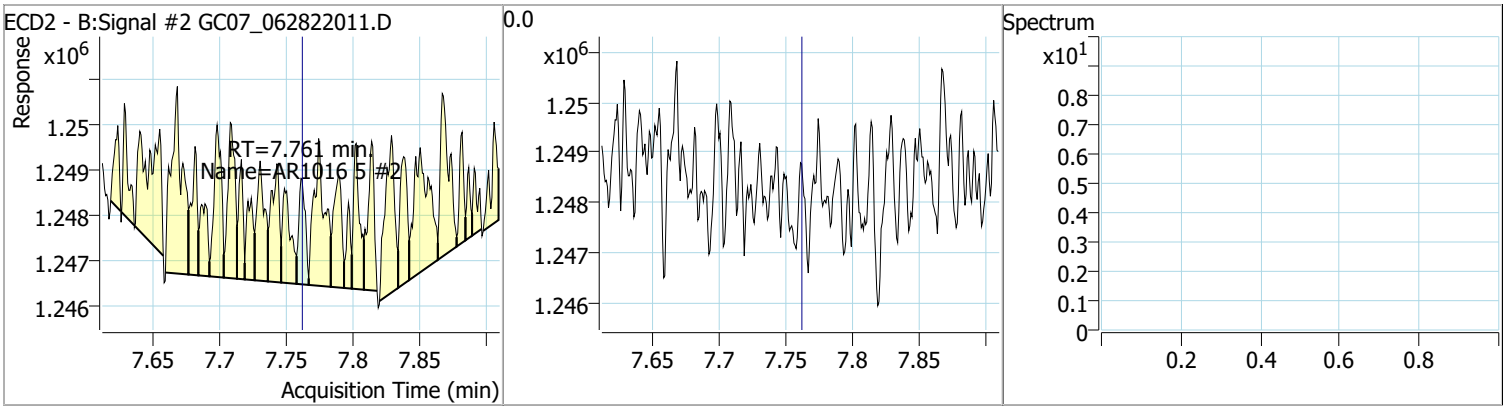
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1.9738	6.88	0.01	8544				



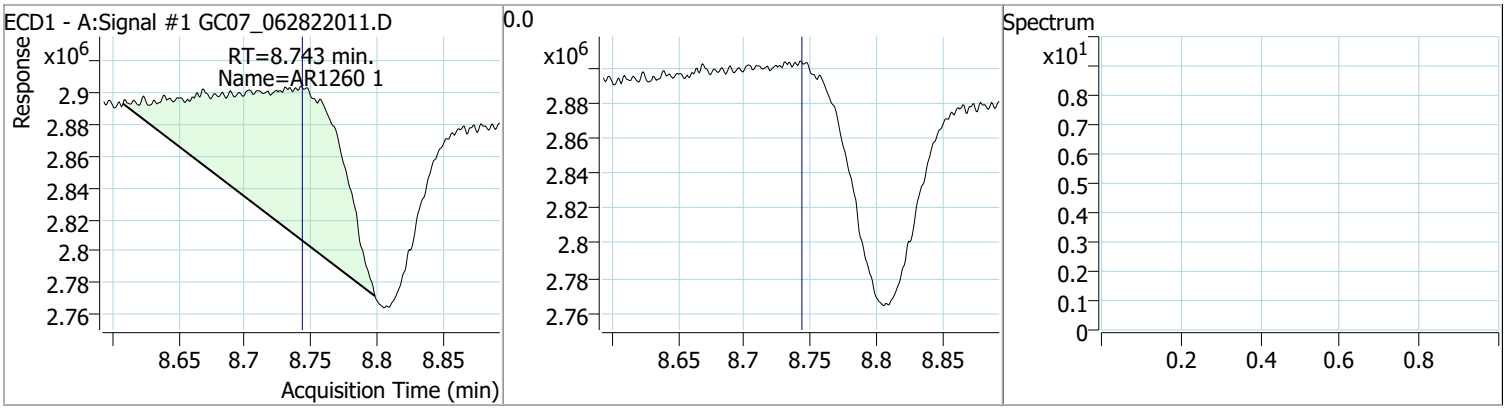
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.7090	7.06	0.01	2130				



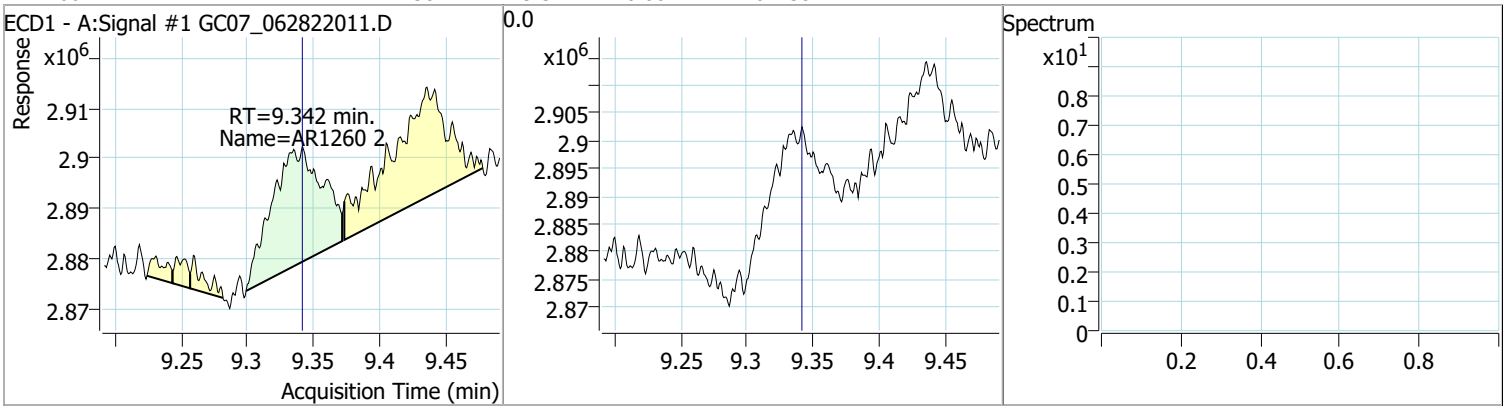
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.3182	7.76	0.00	799				



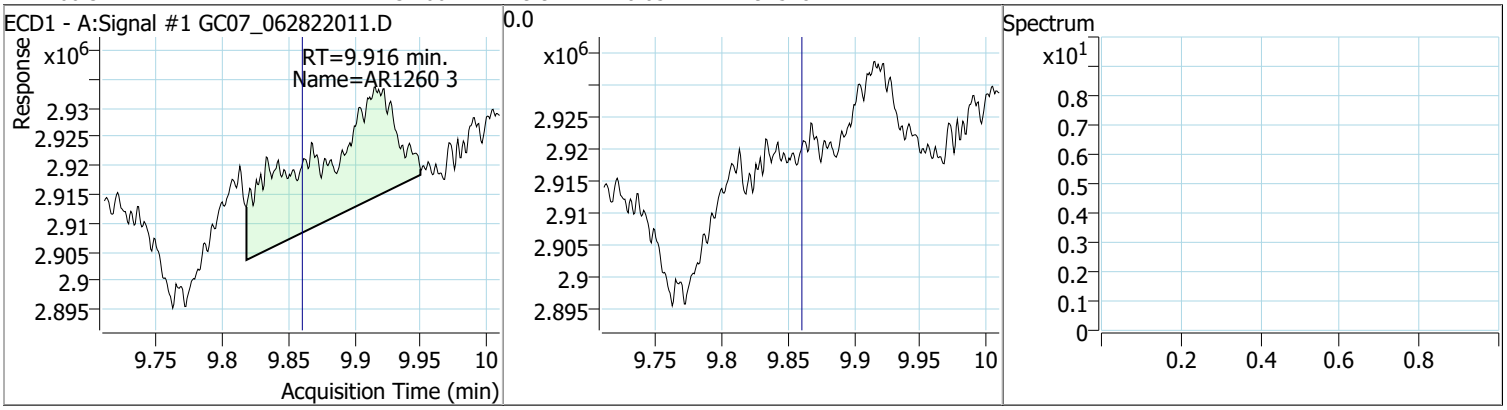
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	33.4386	8.74	0.00	607083				



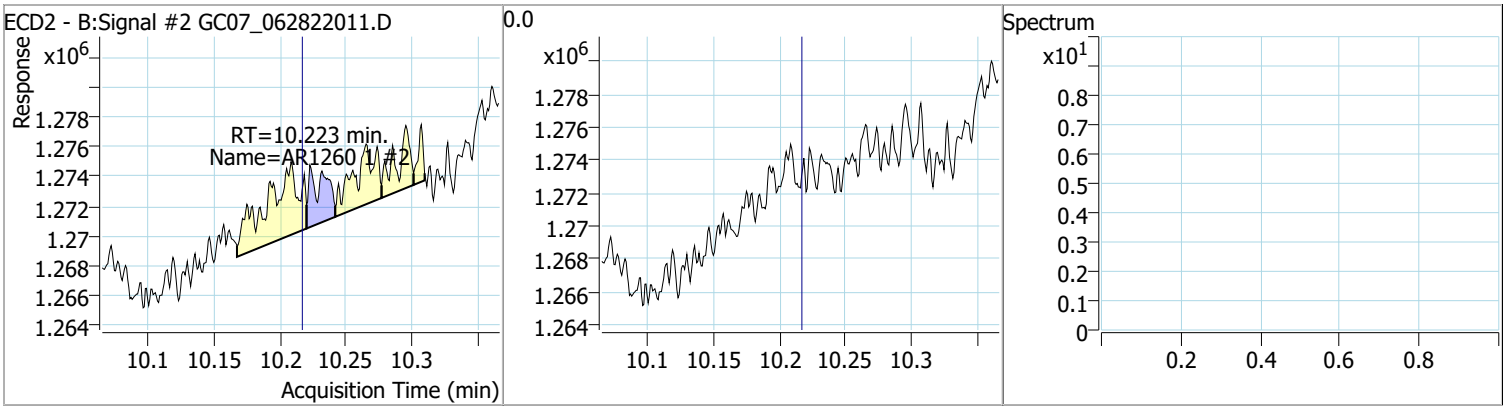
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2.3841	9.34	0.00	62135				



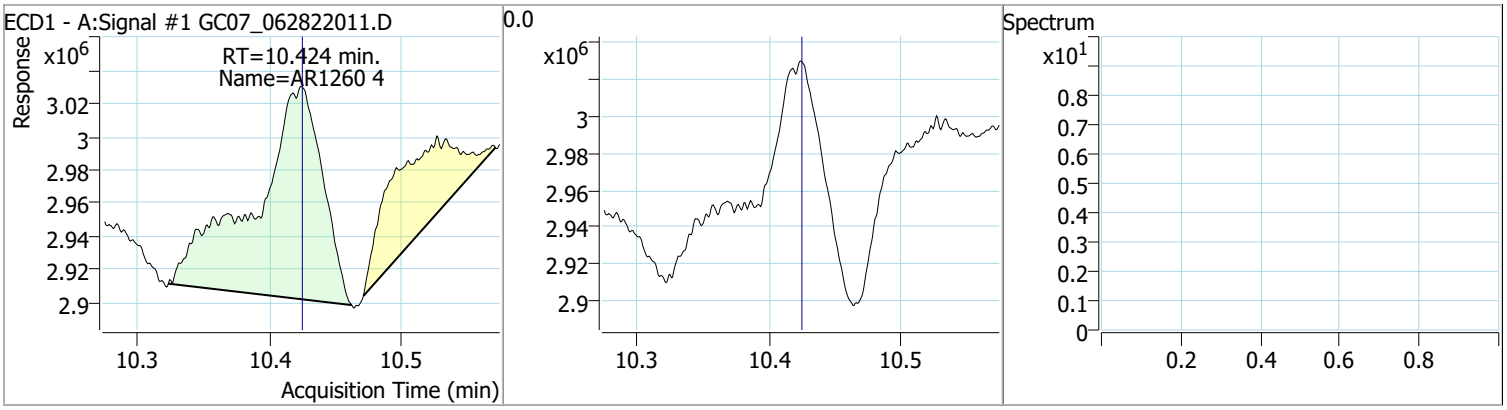
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	3.4664	9.92	0.05	91548				



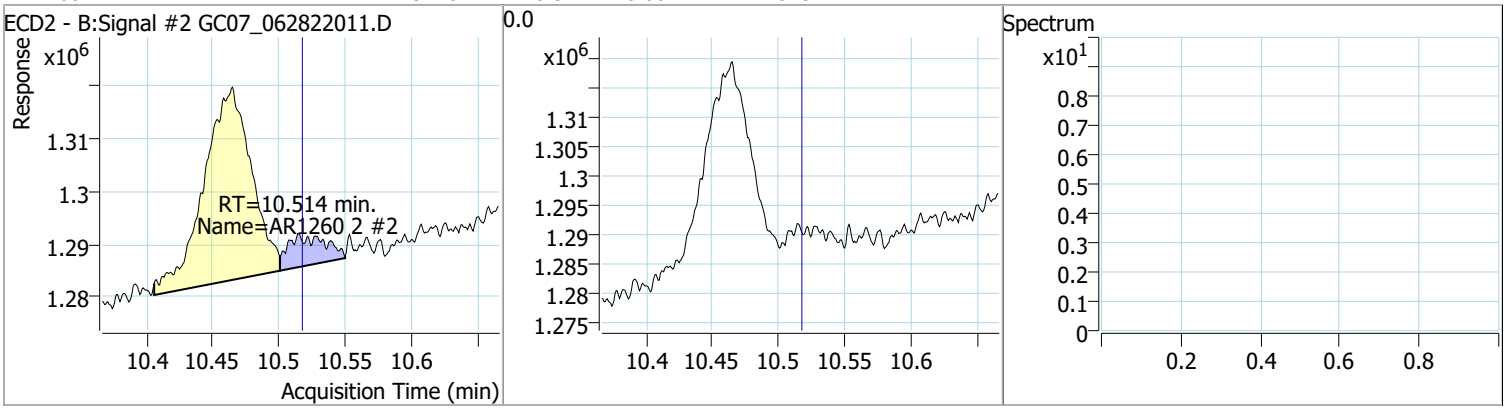
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	0.6156	10.22	0.01	3355				



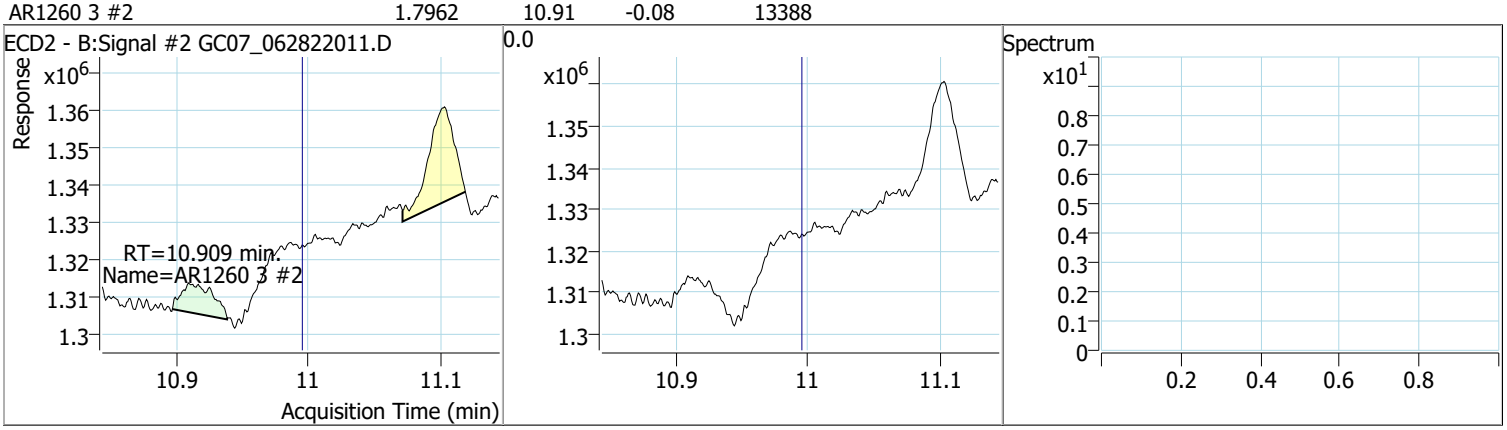
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	34.1153	10.42	0.00	460600				



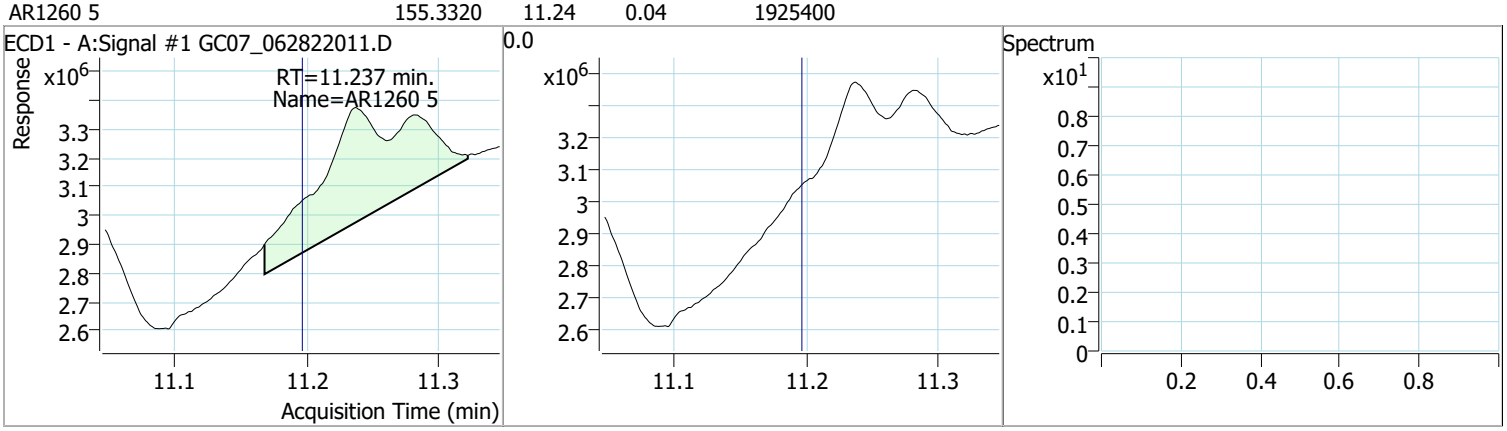
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1.9116	10.51	0.00	11575				



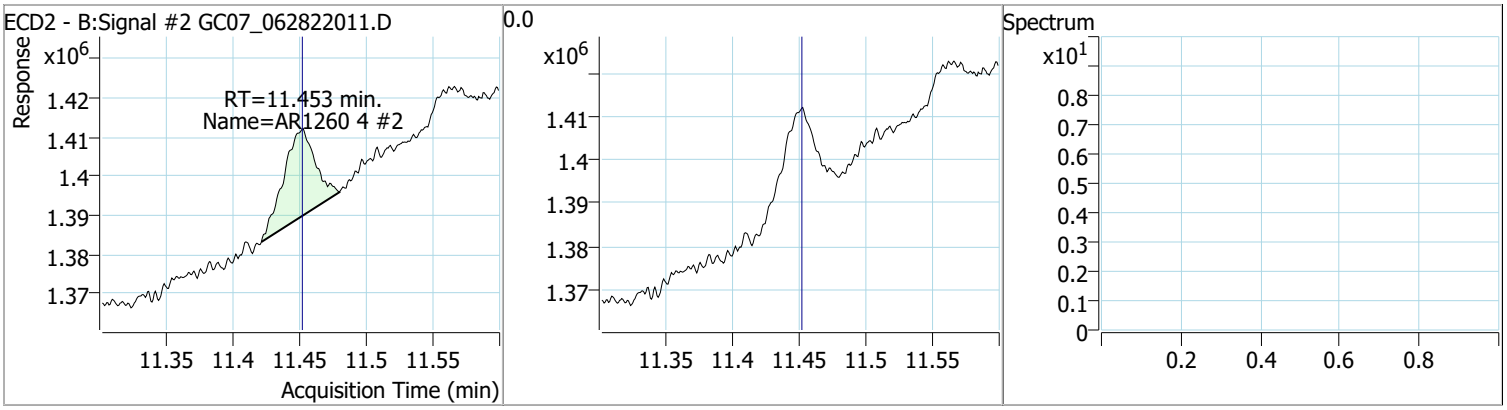
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1.7962	10.91	-0.08	13388				



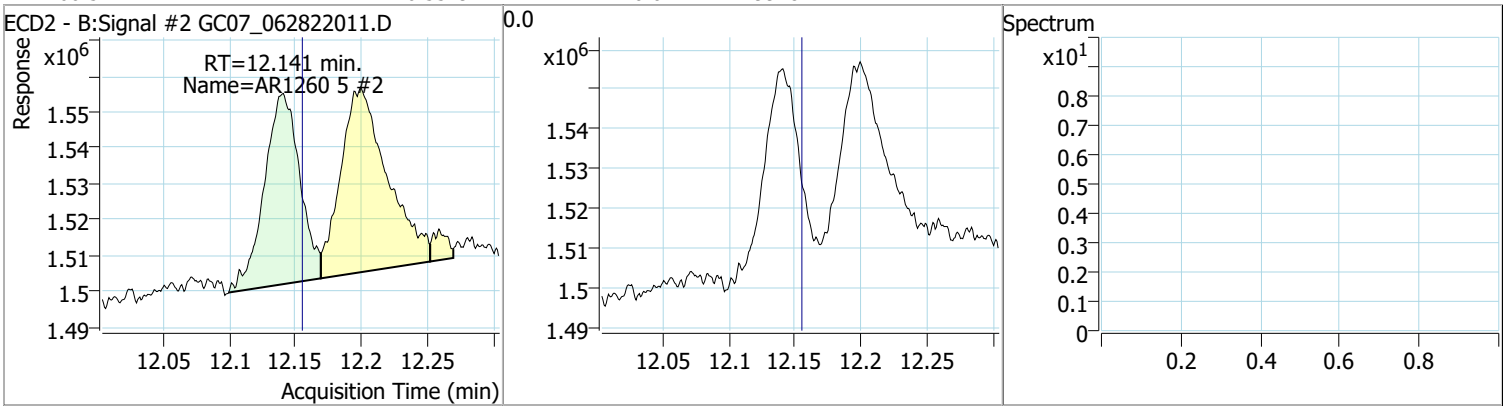
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	155.3320	11.24	0.04	1925400				



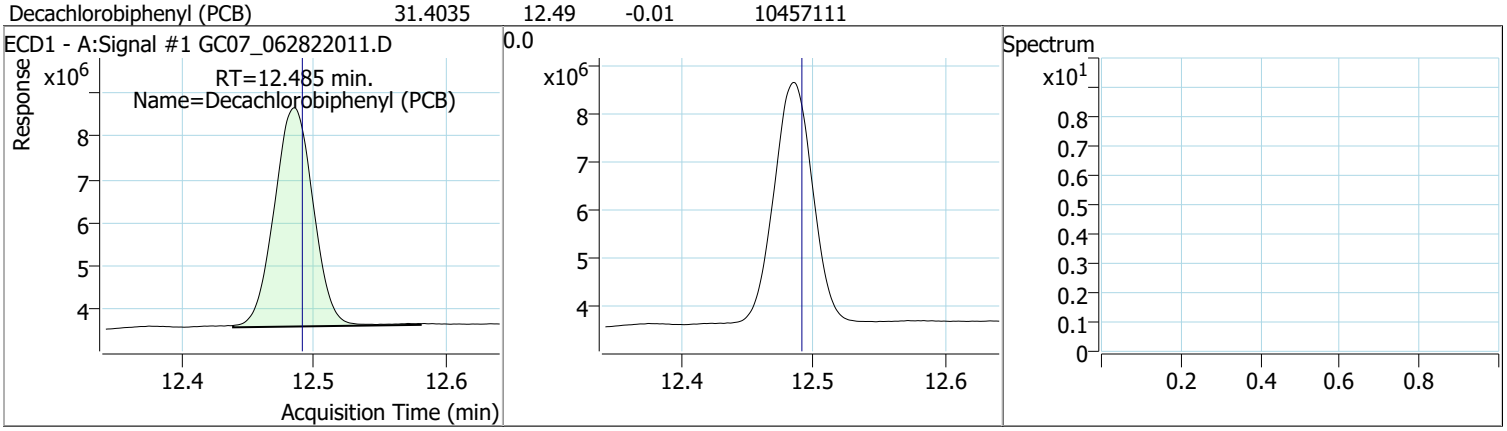
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	8.9525	11.45	0.00	37437				



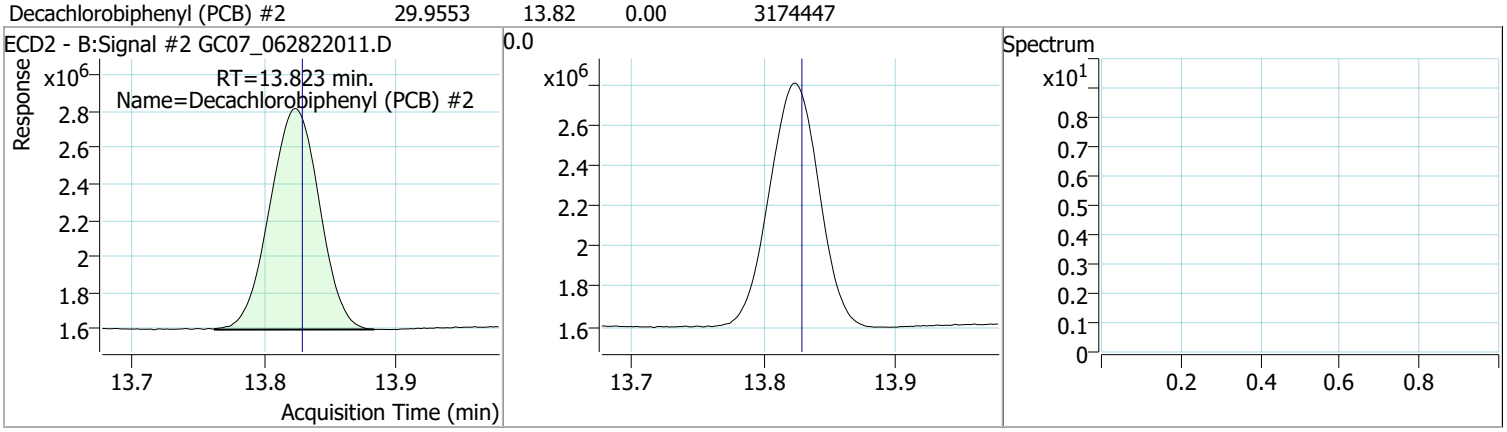
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	16.5549	12.14	-0.01	99484				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	31.4035	12.49	-0.01	10457111				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	29.9553	13.82	0.00	3174447				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	464405-006	Client ID:	DOOR-N-0.7GW-EXT-12 TO 13-220615-P-CB
Seqnum:	462258436012.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_062822012	Batch:	291960	Time:	28-JUN-2022 14:05
Cal:	462252739001	Caldate:	25-JUN-2022		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	11.92	ug/L	ND	0.64	92%	1.0		u
Aroclor-1016 Peak # 1	B	10.99	ug/L	0.22	1.16	136%			
Aroclor-1016 Peak # 2	B	0.3673	ug/L	0.01	0.02	109%			
Aroclor-1016 Peak # 3	B	36.65	ug/L	0.73	0.58	22%			
Aroclor-1016 Peak # 4	B	11.23	ug/L	0.22	0.01	183%			
Aroclor-1016 Peak # 5	B	0.3708	ug/L	0.01	1.44	198%			
Aroclor-1221	B			ND			1.0		u
Aroclor-1232	B			ND			1.0		u
Aroclor-1242	B			ND			1.0		u
Aroclor-1248	B			ND			1.0		u
Aroclor-1254	B			ND			1.0		u
Aroclor-1260	B	8.098	ug/L	ND	0.96	142%	1.0		u
Aroclor-1260 Peak # 1	B	5.320	ug/L	0.11	0.85	155%			
Aroclor-1260 Peak # 2	B	14.27	ug/L	0.29	0.02	169%			
Aroclor-1260 Peak # 3	B	3.080	ug/L	0.06	0.10	45%			
Aroclor-1260 Peak # 4	B	4.915	ug/L	0.10	0.67	149%			
Aroclor-1260 Peak # 5	B	12.91	ug/L	0.26	3.18	170%			
Aroclor-1268	B			ND			1.0		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	31.12	pg/uL	1.000	0.6224	62	52-186	u
Decachlorobiphenyl (PCB)	B	26.90	pg/uL	1.000	0.5381	54	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_062822004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1389469	1841865	32.56
1-bromo-2-nitrobenzene (PCB)	A	5233508	6275263	19.91

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_062822004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.25	4.25	0.00

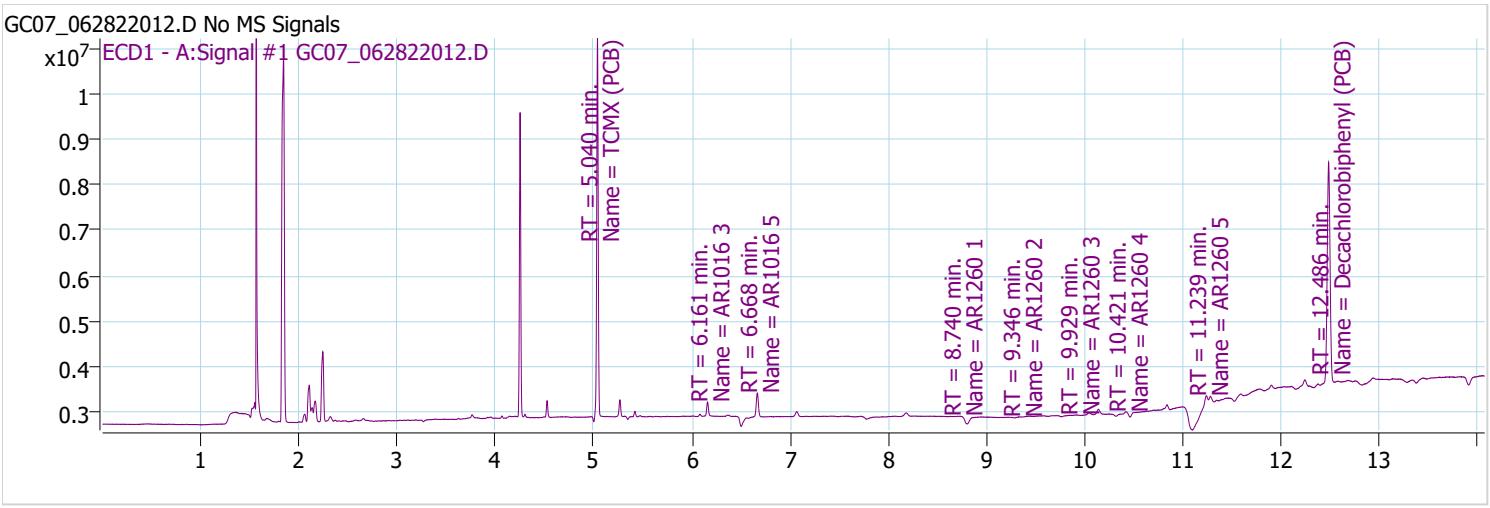
u=use

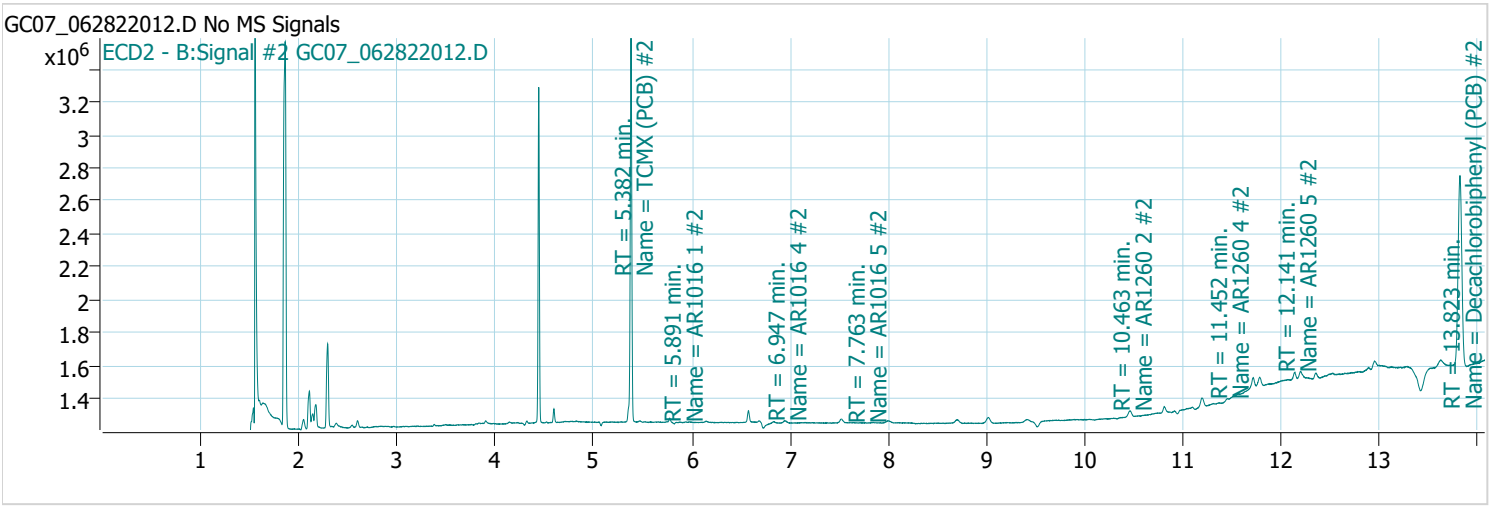
Analyst: TRN 06/28/22 *

Reviewer: SLL 06/28/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC07_062822012.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/28/2022 2:05:46 PM
Sample Name	464405-006, 291960, 1	Instrument	SVOA-GC07
Vial	6	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_2.m	Comment	Wipe/1s-20ml//3580 method
Tune File	ATUNE.U	Tune Date	
Batch Name	062822PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



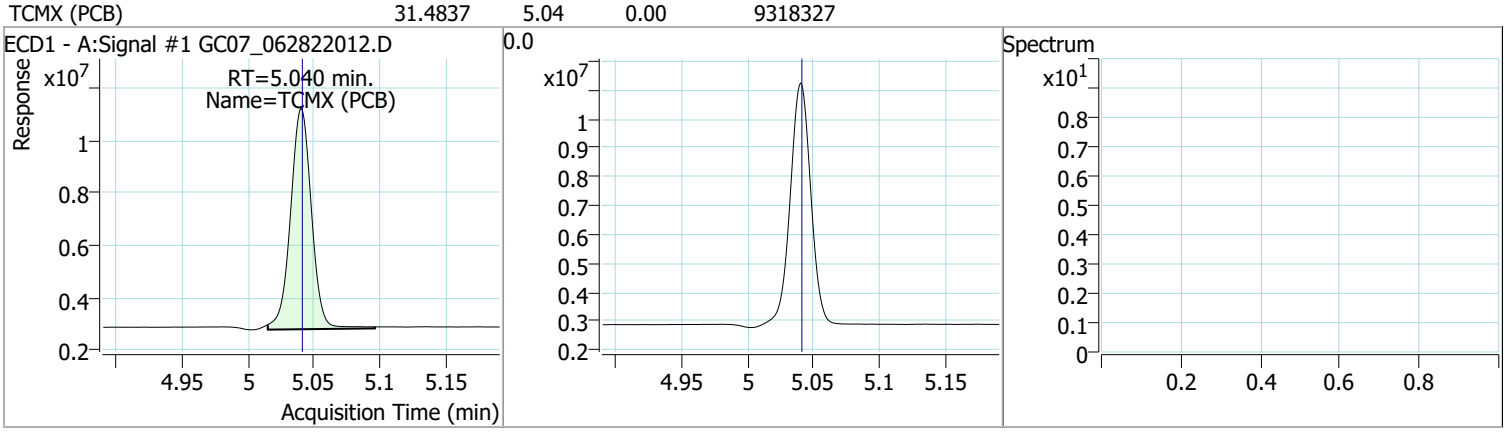


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.253	0.0	6275263.213	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.443	0.0	1841864.534	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.040	0.0	9318327.214	31.4837	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 157.42%		*	
S TCMX (PCB) #2	5.382	0.0	2599677.375	31.1008	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 155.50%		*	
S Decachlorobiphenyl (PCB)	12.486	0.0	10017166.317	28.5761	ng/ml		-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 142.88%			
S Decachlorobiphenyl (PCB) #2	13.823	0.0	3049677.379	26.8892	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 134.45%			
Target Compounds							QValue

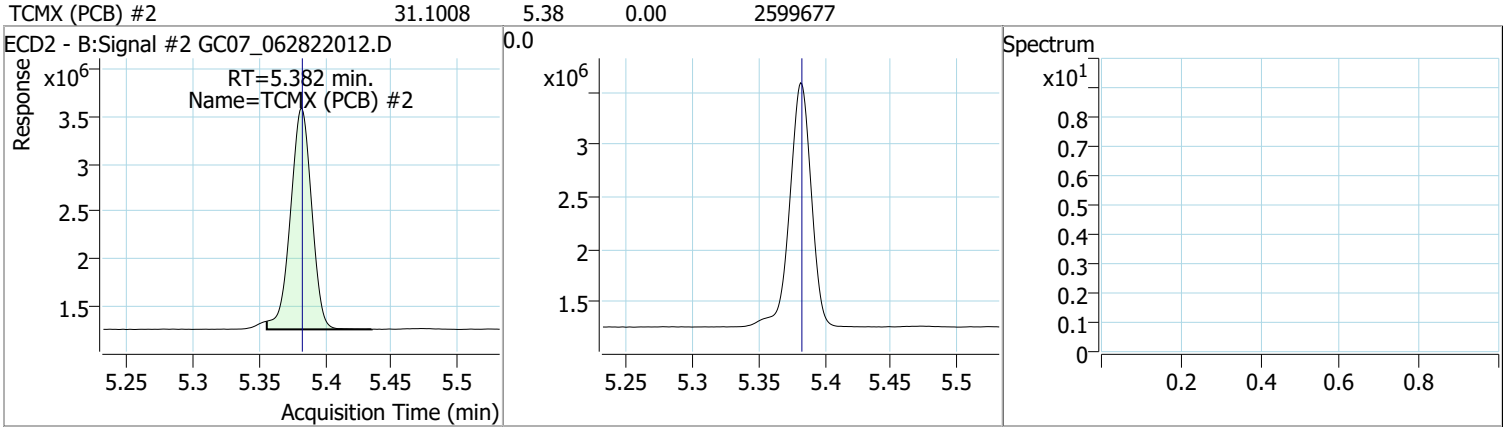
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.422	0.0	347845.646	57.7792	ng/ml	100
T AR1016 2	5.751	0.0	16240.485	1.2447	ng/ml	100
T AR1016 1 #2	5.891	0.0	20371.457	10.9828	ng/ml	100
T AR1016 3	6.161	0.0	441689.628	29.2331	ng/ml	100
T AR1016 2 #2	6.317	0.0	1482.637	0.3671	ng/ml	100
T AR1016 4	6.323	0.0	5477.326	0.5041	ng/ml	100
T AR1016 5	6.668	0.0	651191.317	71.9520	ng/ml	100
T AR1016 3 #2	6.833	0.0	169689.300	36.6261	ng/ml	100
T AR1016 4 #2	6.947	0.0	36100.662	11.2270	ng/ml	100
T AR1016 5 #2	7.763	0.0	995.353	0.3706	ng/ml	100
T AR1260 1	8.740	0.0	807563.426	42.2540	ng/ml	100
T AR1260 2	9.346	0.0	33136.755	1.2078	ng/ml	100
T AR1260 3	9.929	0.0	135126.214	4.8602	ng/ml	100
T AR1260 1 #2	10.206	0.0	31016.242	5.3172	ng/ml	100
T AR1260 4	10.421	0.0	472686.282	33.2574	ng/ml	100
T AR1260 2 #2	10.463	0.0	92410.001	14.2591	ng/ml	100
T AR1260 3 #2	10.920	0.0	24556.824	3.0785	ng/ml	100
T AR1260 5	11.239	0.0	2076030.055	159.0979	ng/ml	100
T AR1260 4 #2	11.452	0.0	21984.269	4.9121	ng/ml	100
T AR1260 5 #2	12.141	0.0	82952.345	12.8979	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

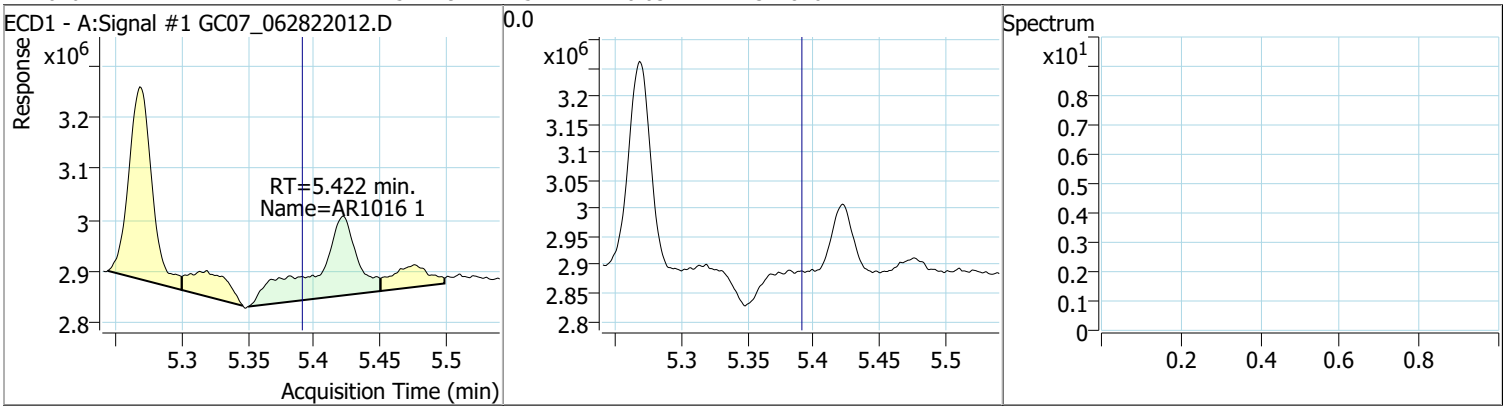
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	31.4837	5.04	0.00	9318327				



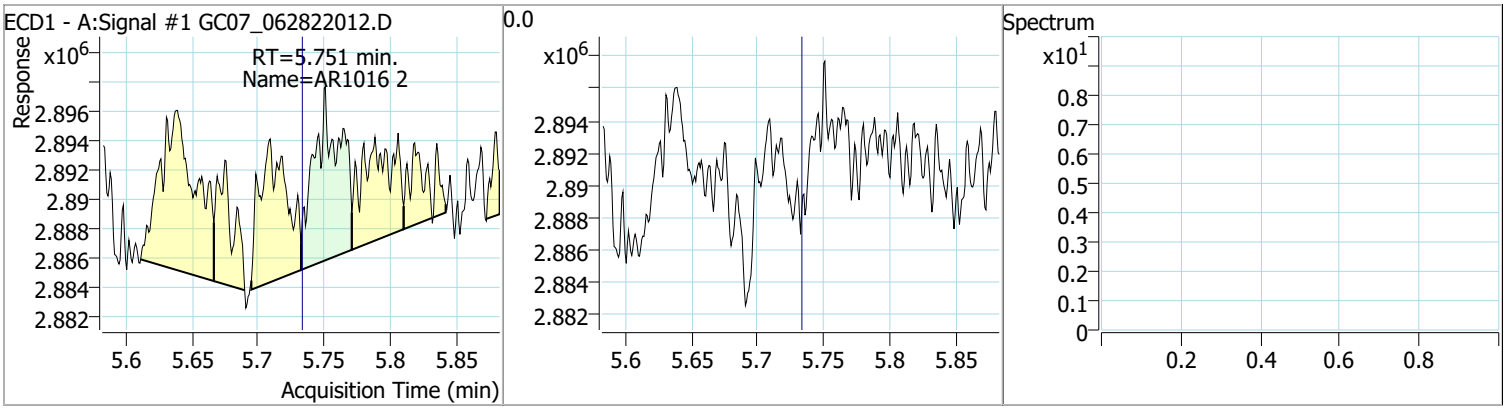
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	31.1008	5.38	0.00	2599677				



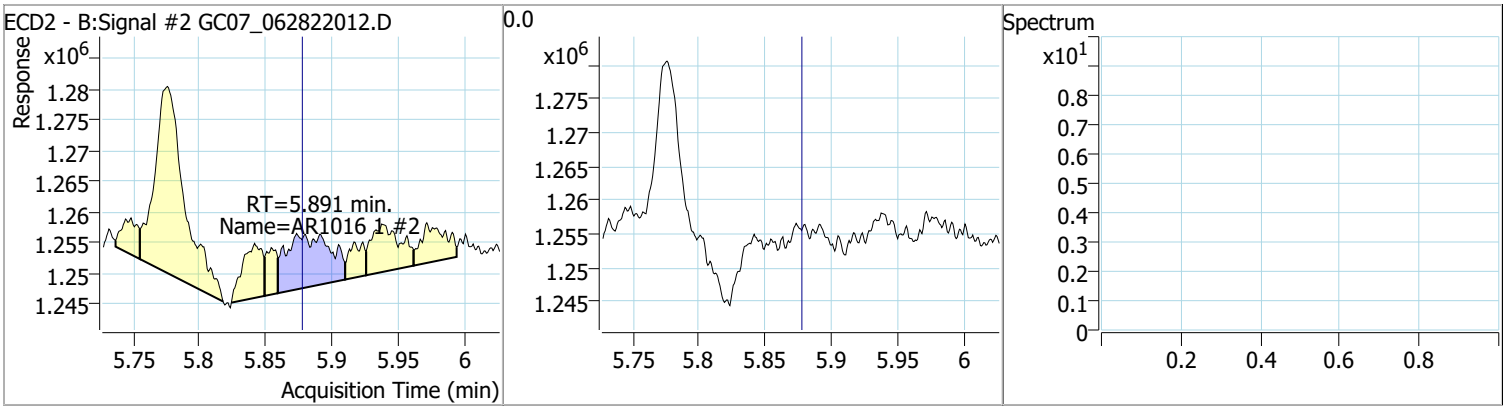
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	57.7792	5.42	0.03	347846				



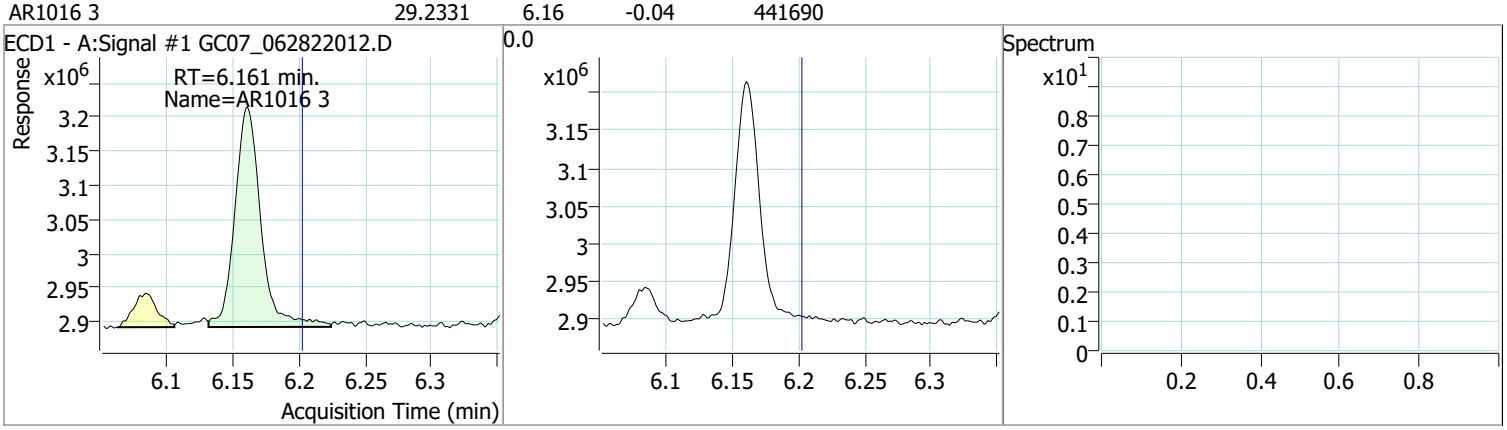
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1.2447	5.75	0.02	16240				



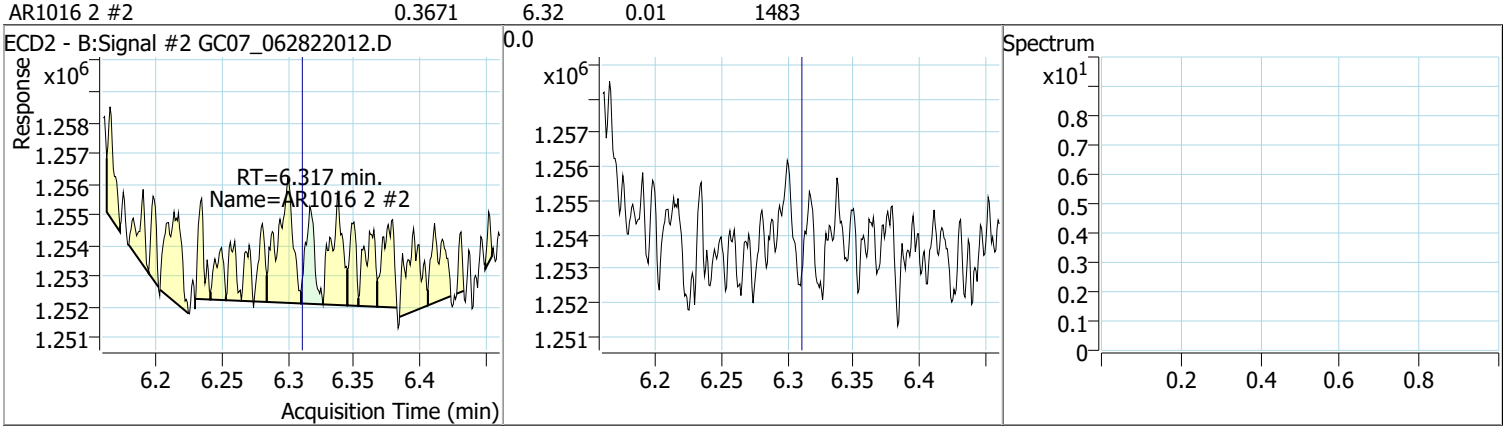
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	10.9828	5.89	0.01	20371				



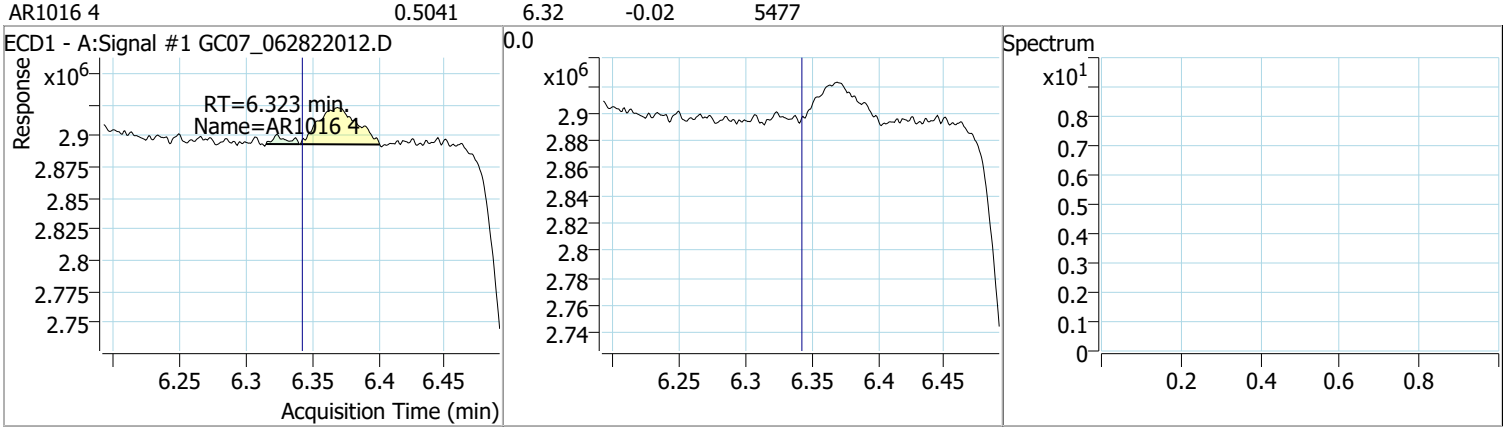
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	29.2331	6.16	-0.04	441690				



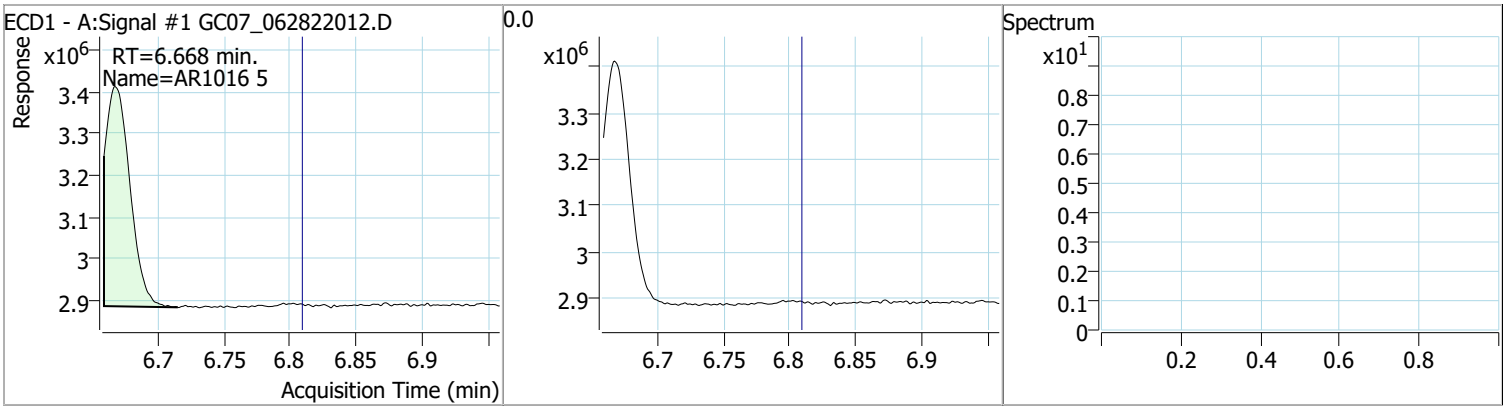
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	0.3671	6.32	0.01	1483				



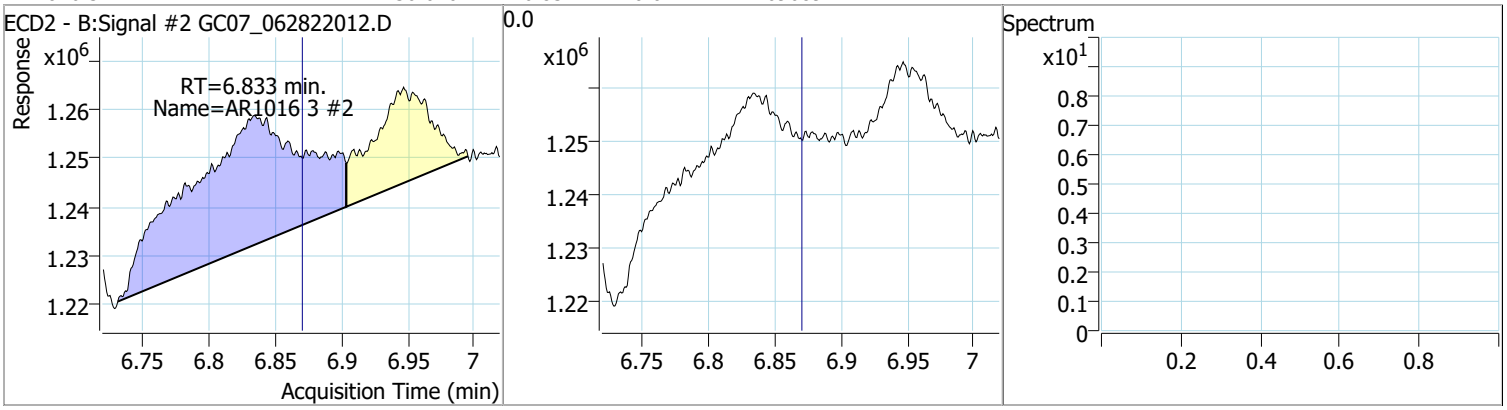
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	0.5041	6.32	-0.02	5477				



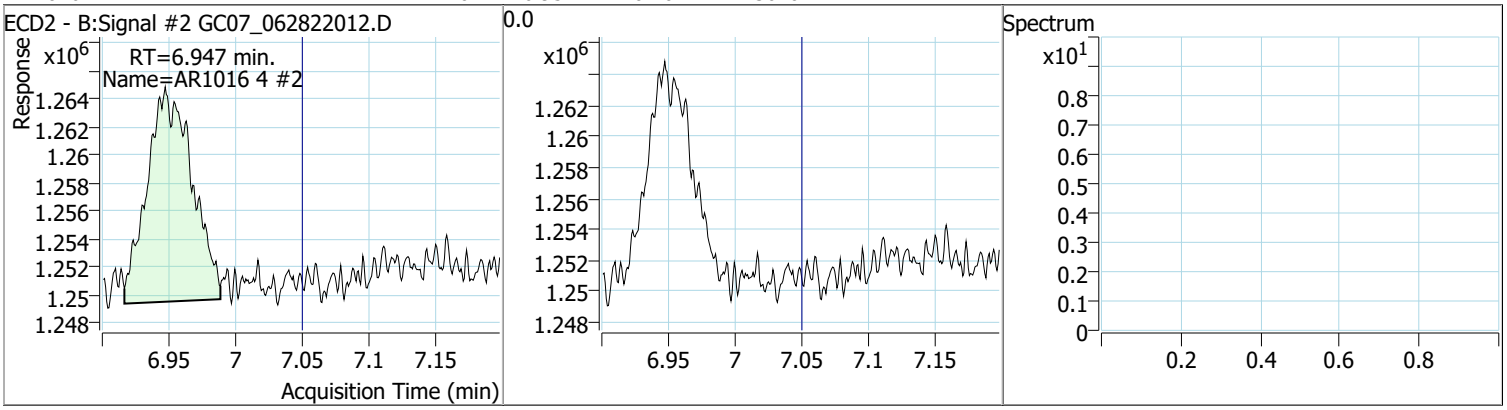
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	71.9520	6.67	-0.14	651191				



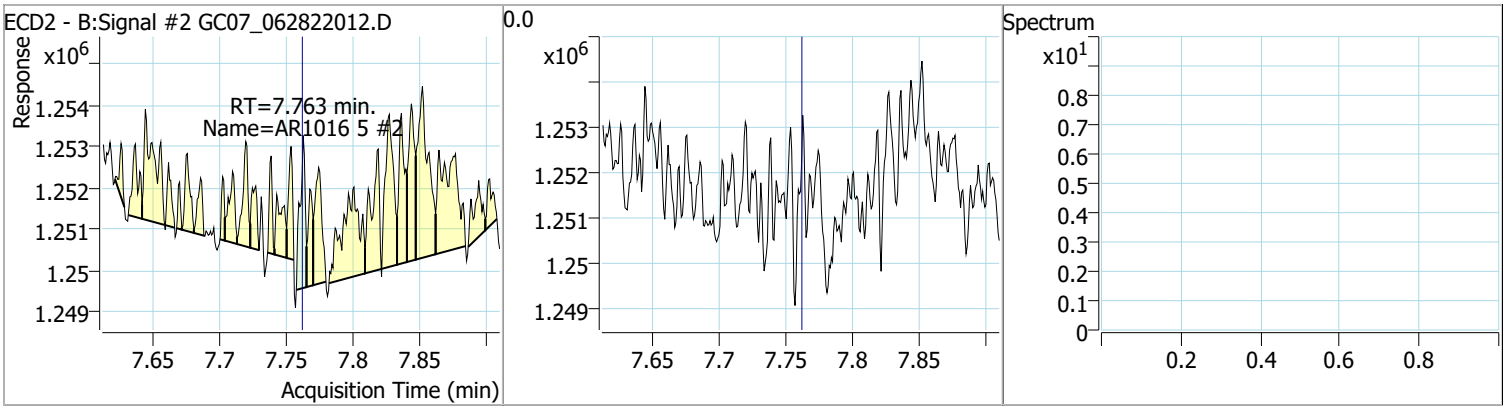
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	36.6261	6.83	-0.04	169689				



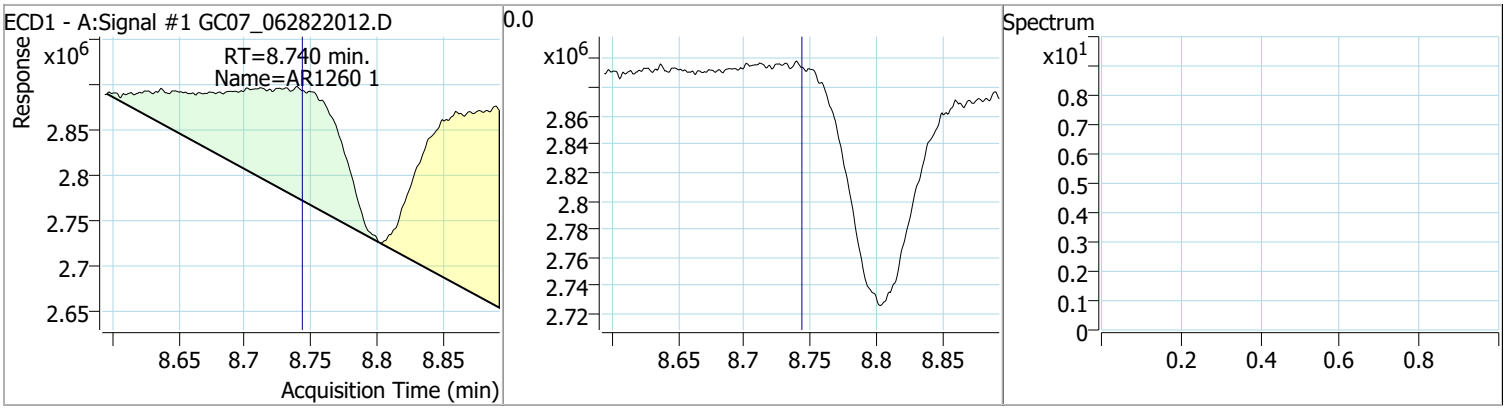
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	11.2270	6.95	-0.10	36101				



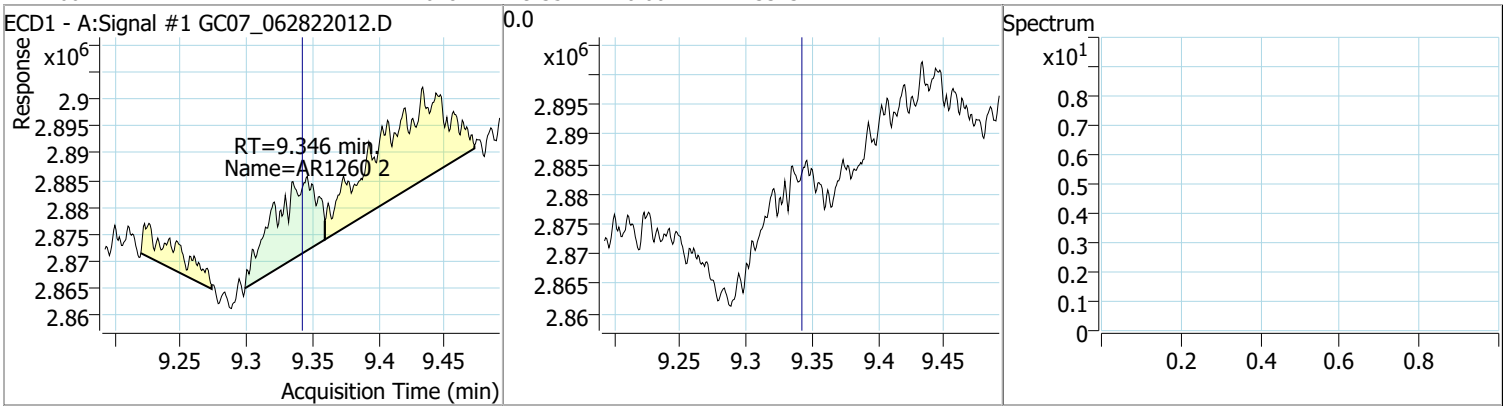
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.3706	7.76	0.00	995				



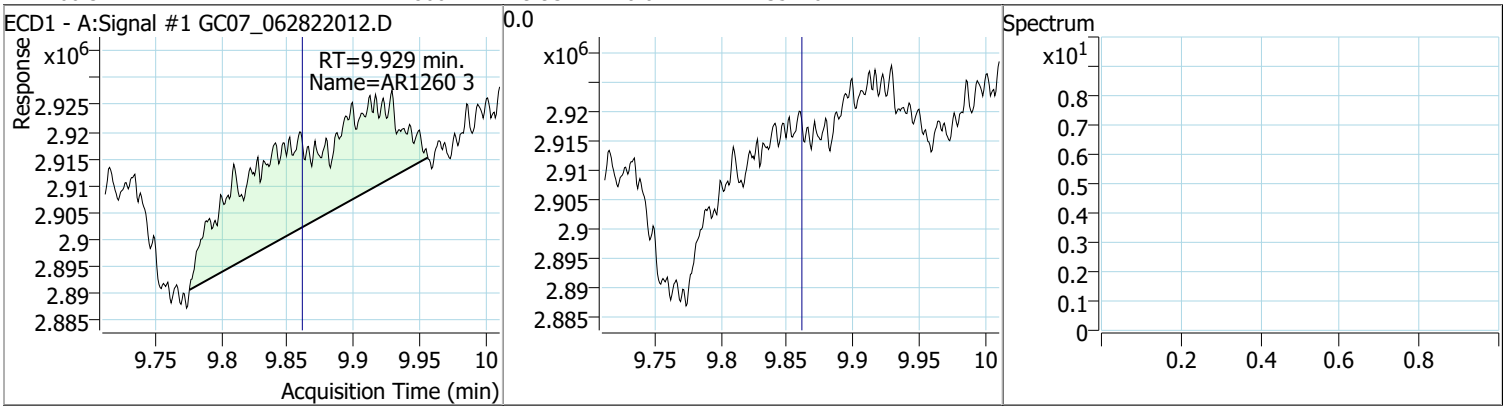
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	42.2540	8.74	0.00	807563				



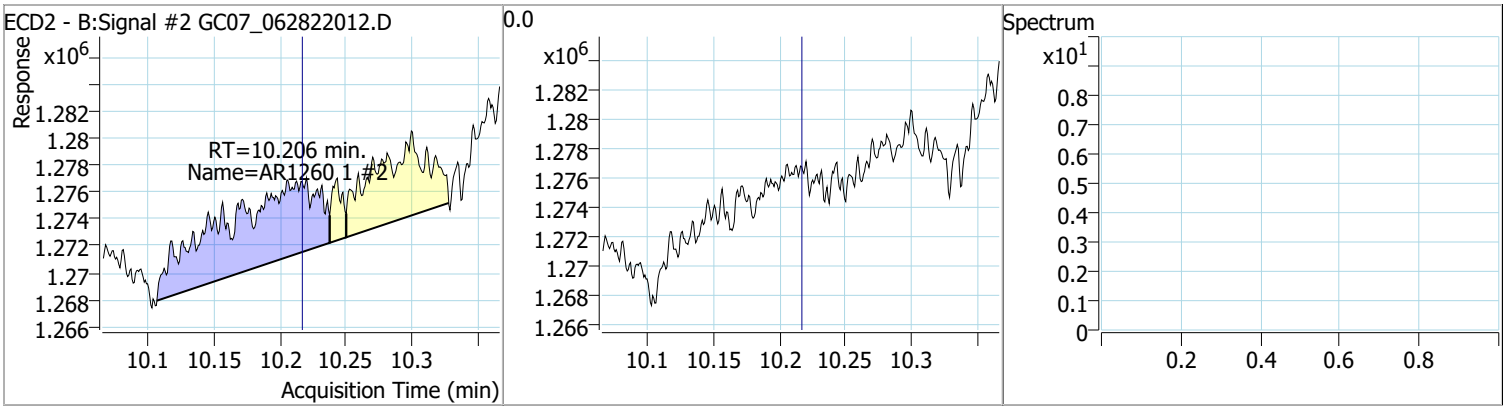
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.2078	9.35	0.00	33137				



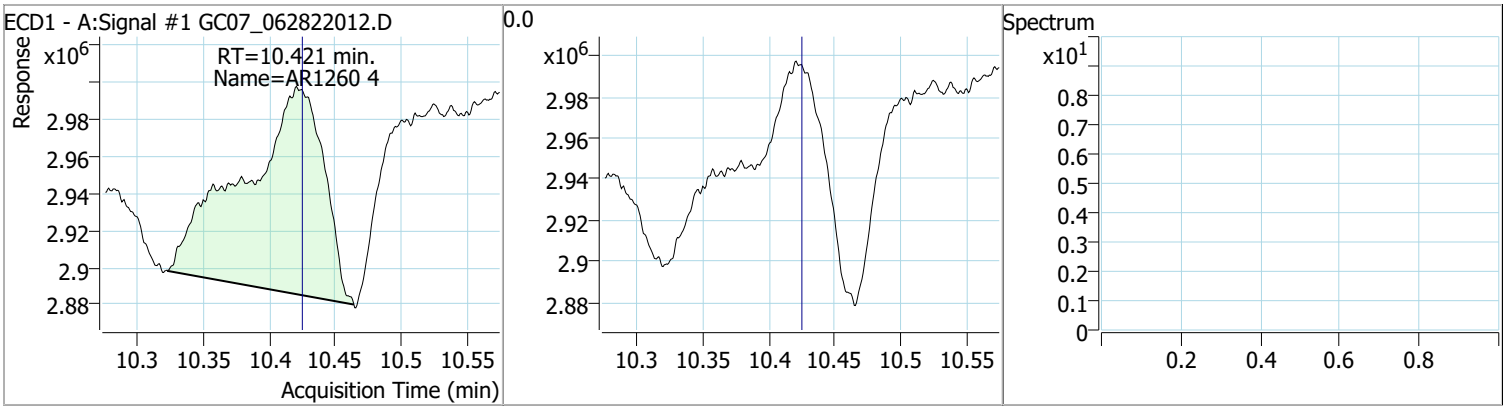
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	4.8602	9.93	0.07	135126				



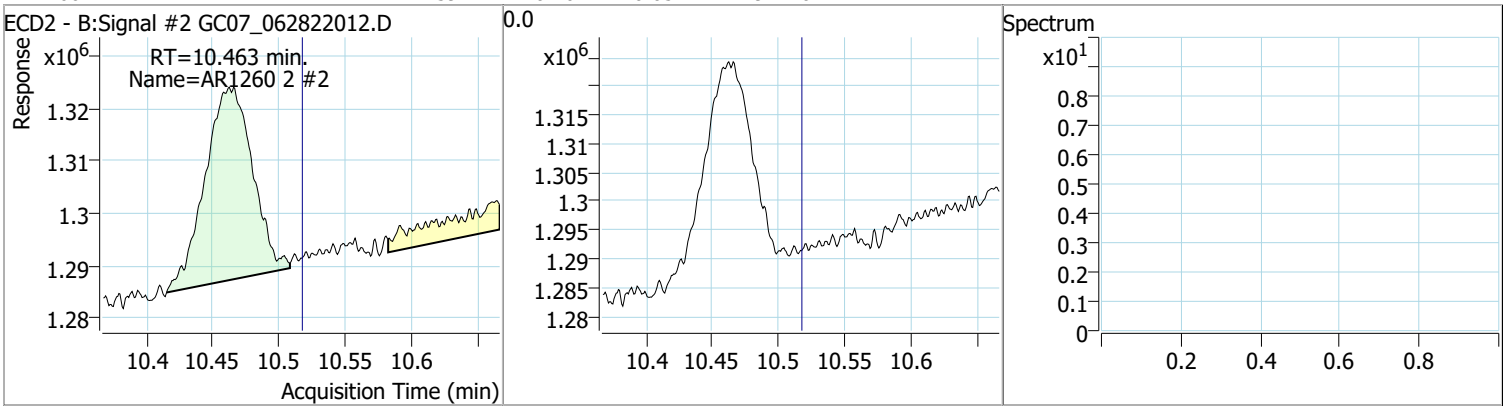
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	5.3172	10.21	-0.01	31016				



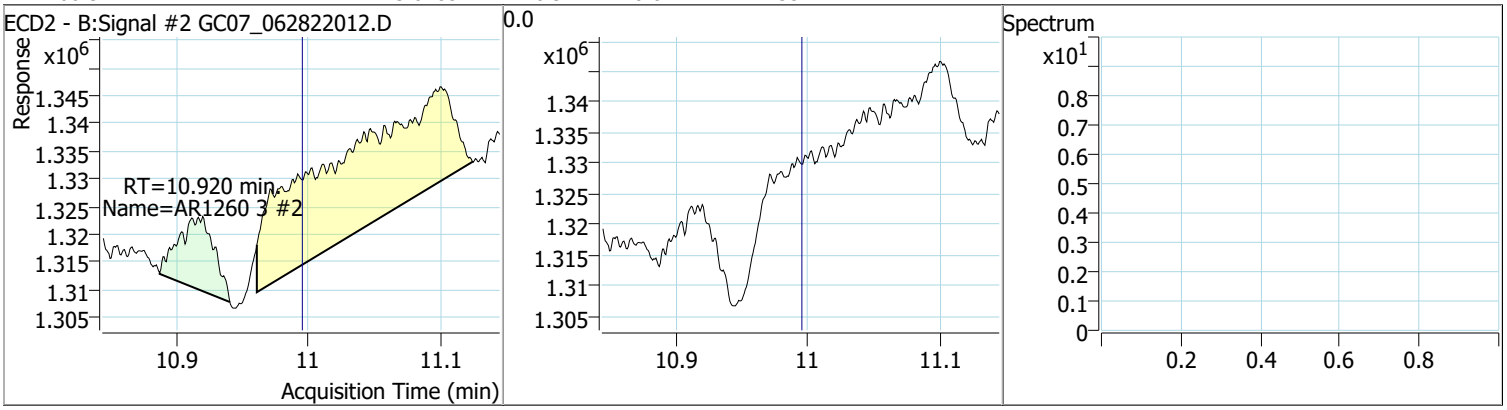
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	33.2574	10.42	0.00	472686				



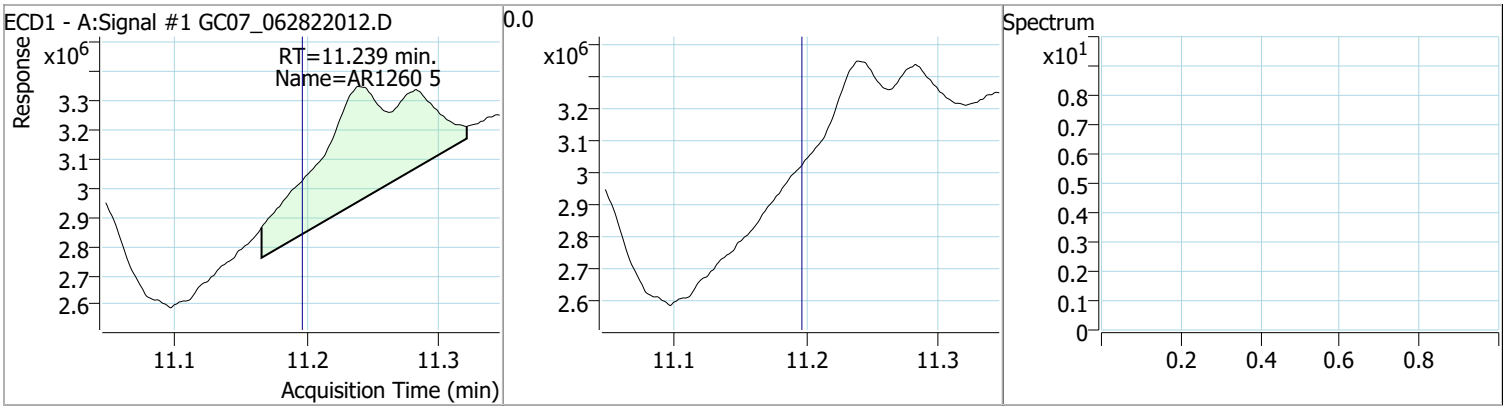
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	14.2591	10.46	-0.05	92410				



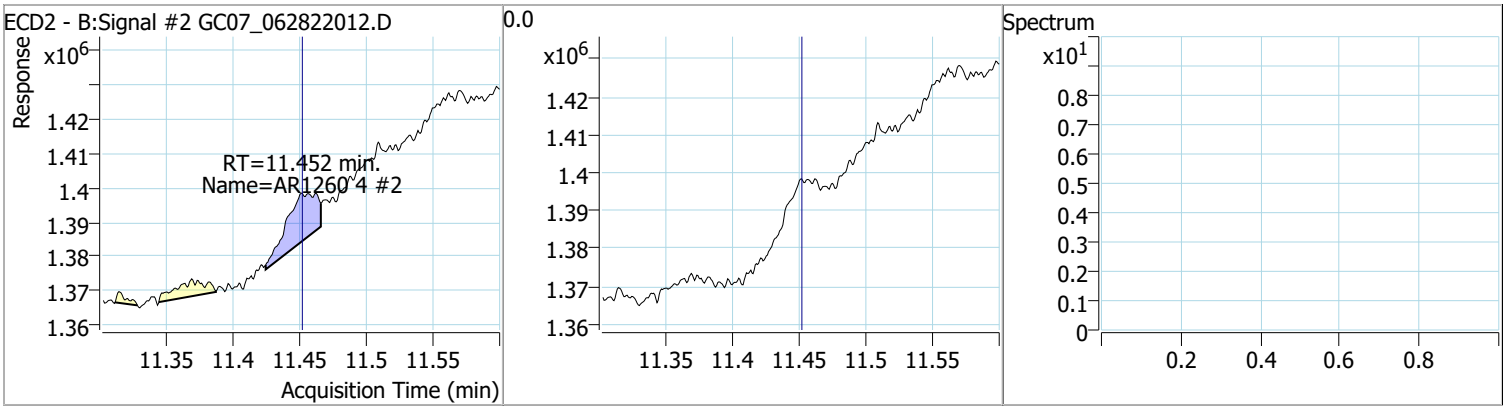
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	3.0785	10.92	-0.07	24557				



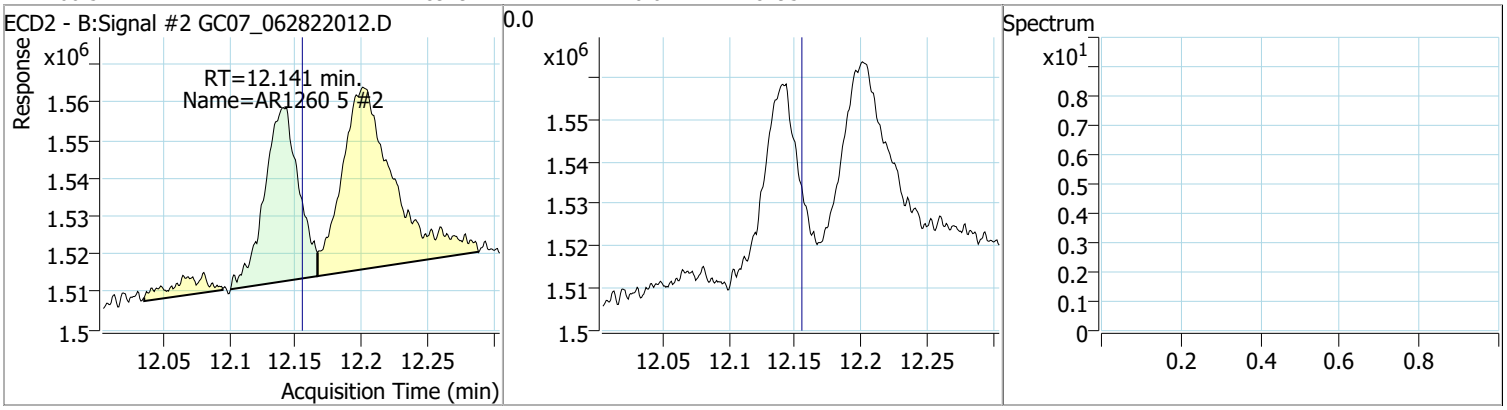
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	159.0979	11.24	0.04	2076030				



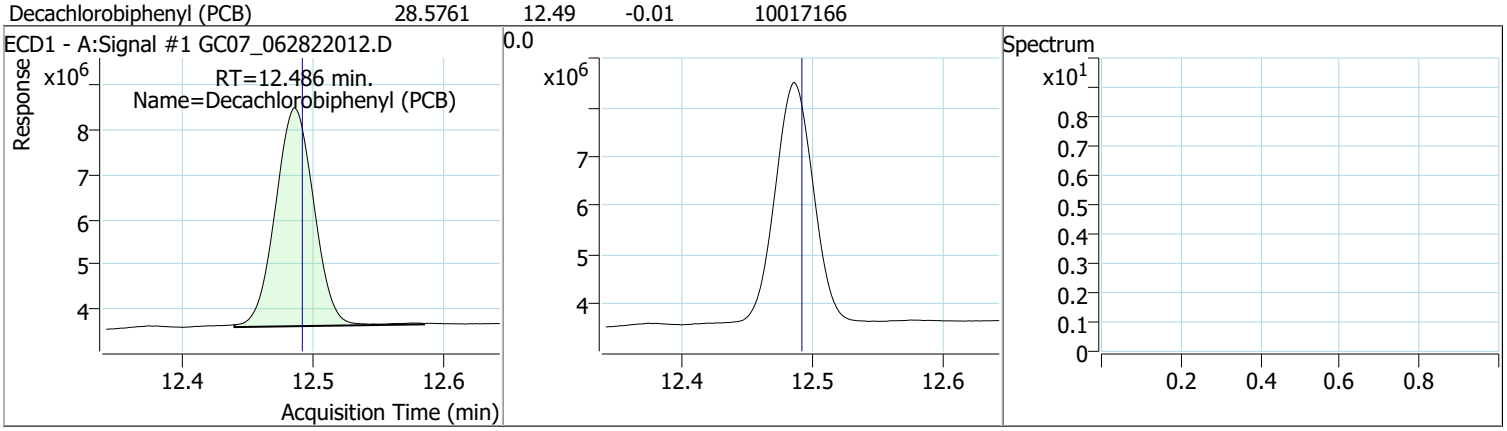
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	4.9121	11.45	0.00	21984				



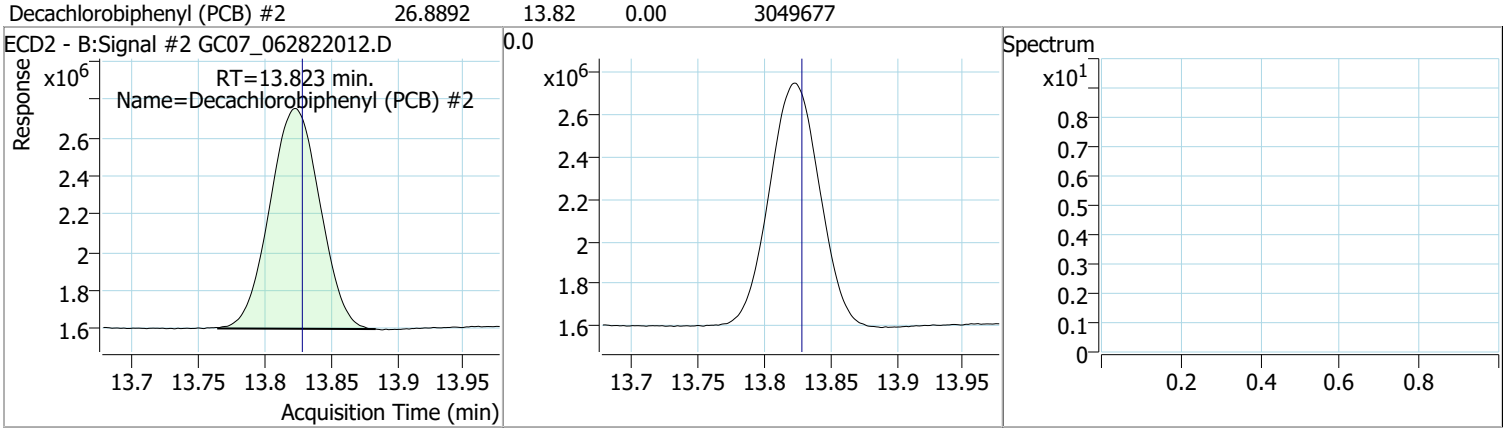
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	12.8979	12.14	-0.01	82952				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	28.5761	12.49	-0.01	10017166				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	26.8892	13.82	0.00	3049677				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	464405-008	Client ID:	DOOR-N-0.9GW-PS-26-220615-P-LA
Seqnum:	462258436013.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_062822013	Batch:	291960	Time:	28-JUN-2022 14:23
Cal:	462252739001	Caldate:	25-JUN-2022		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	11.51	ug/L	ND	0.74	105%	1.0		u
Aroclor-1016 Peak # 1	B	9.774	ug/L	0.20	0.98	133%			
Aroclor-1016 Peak # 2	B	0.2753	ug/L	0.01	0.02	100%			
Aroclor-1016 Peak # 3	B	33.25	ug/L	0.67	0.73	9%			
Aroclor-1016 Peak # 4	B	13.27	ug/L	0.27	0.16	52%			
Aroclor-1016 Peak # 5	B	0.9591	ug/L	0.02	1.81	196%			
Aroclor-1221	B			ND			1.0		u
Aroclor-1232	B			ND			1.0		u
Aroclor-1242	B			ND			1.0		u
Aroclor-1248	B			ND			1.0		u
Aroclor-1254	B			ND			1.0		u
Aroclor-1260	B	8.068	ug/L	ND	0.83	135%	1.0		u
Aroclor-1260 Peak # 1	B	0.5766	ug/L	0.01	0.74	194%			
Aroclor-1260 Peak # 2	B	1.138	ug/L	0.02	0.02	4%			
Aroclor-1260 Peak # 3	B	5.299	ug/L	0.11	0.12	12%			
Aroclor-1260 Peak # 4	B	10.36	ug/L	0.21	0.50	82%			
Aroclor-1260 Peak # 5	B	22.97	ug/L	0.46	2.76	143%			
Aroclor-1268	B			ND			1.0		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	30.19	pg/uL	1.000	0.6038	60	52-186	u
Decachlorobiphenyl (PCB)	B	27.05	pg/uL	1.000	0.5411	54	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_062822004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1389469	1521750	9.52
1-bromo-2-nitrobenzene (PCB)	A	5233508	5276313	0.82

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_062822004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.25	4.25	0.00

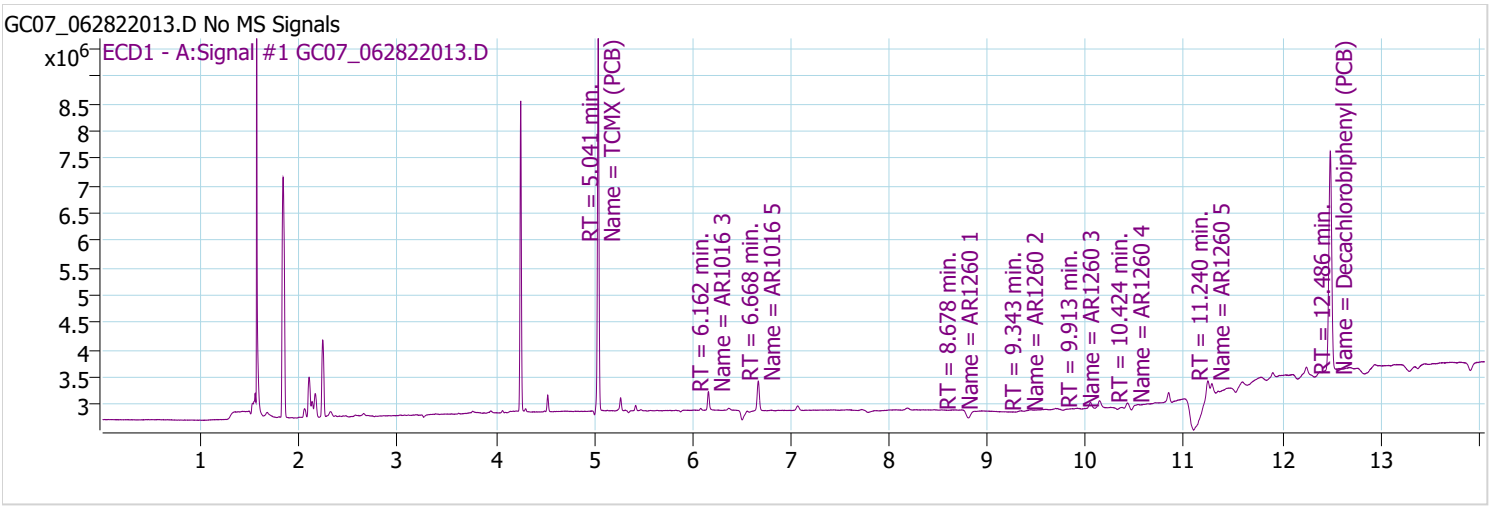
u=use

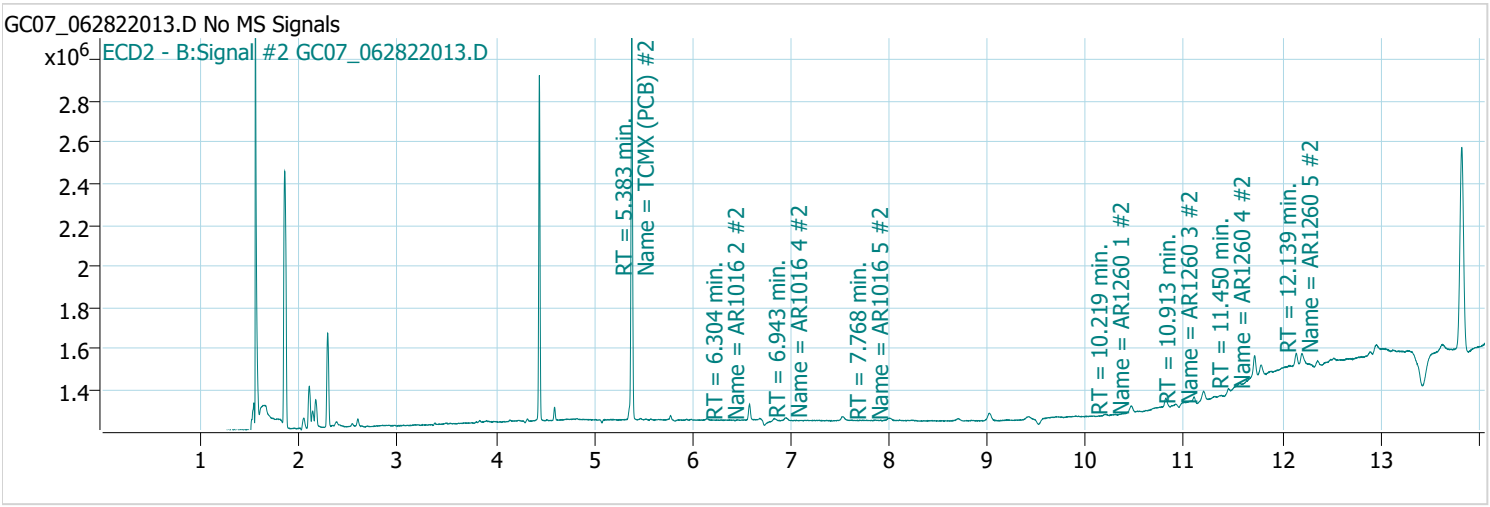
Analyst: TRN 06/28/22 *

Reviewer: SLL 06/28/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC07_062822013.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/28/2022 2:23:20 PM
Sample Name	464405-008, 291960, 1	Instrument	SVOA-GC07
Vial	7	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_2.m	Comment	Wipe/1s-20ml//3580 method
Tune File	ATUNE.U	Tune Date	
Batch Name	062822PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



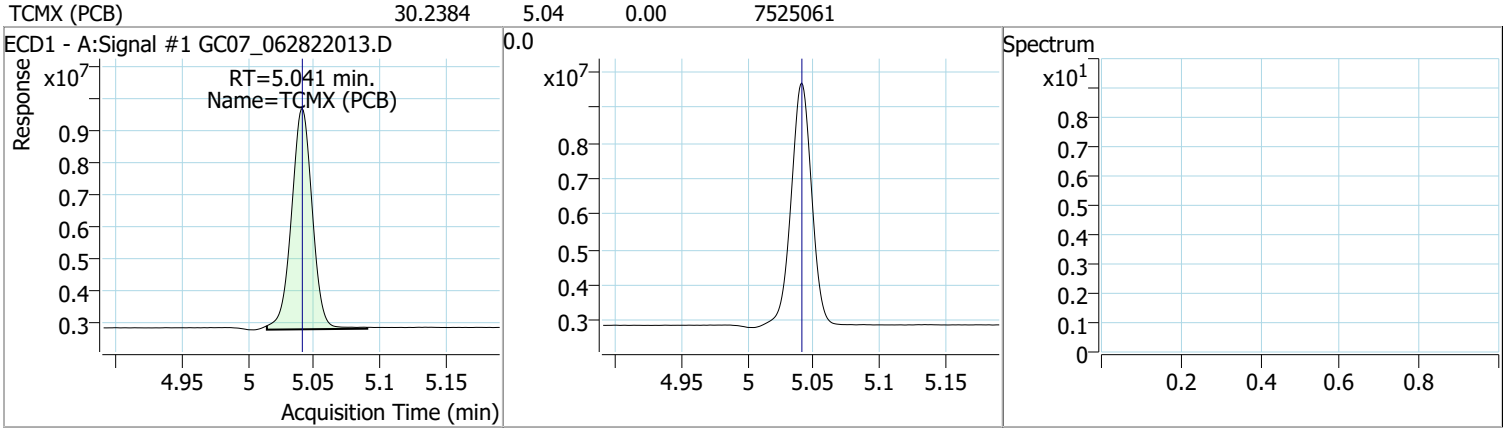


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.253	0.0	5276313.225	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.443	0.0	1521750.232	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.041	0.0	7525060.691	30.2384	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 151.19%		*	
S TCMX (PCB) #2	5.383	0.0	2083789.925	30.1731	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 150.87%		*	
S Decachlorobiphenyl (PCB)	12.486	0.0	8368334.640	28.3921	ng/ml		-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 141.96%			
S Decachlorobiphenyl (PCB) #2	13.824	0.0	2533770.656	27.0400	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 135.20%			
Target Compounds							QValue

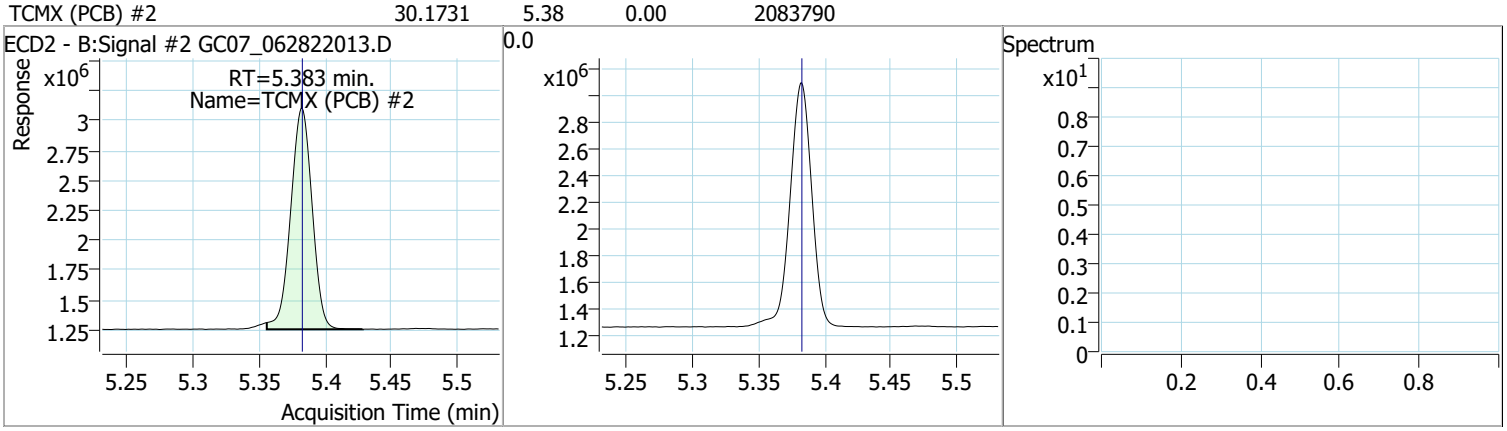
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.422	0.0	247003.039	48.7965	ng/ml	100
T AR1016 2	5.728	0.0	9076.375	0.8273	ng/ml	100
T AR1016 1 #2	5.862	0.0	14970.070	9.7685	ng/ml	100
T AR1016 3	6.162	0.0	460464.974	36.2456	ng/ml	100
T AR1016 2 #2	6.304	0.0	918.160	0.2751	ng/ml	100
T AR1016 4	6.369	0.0	70865.026	7.7570	ng/ml	100
T AR1016 5	6.668	0.0	690203.358	90.7012	ng/ml	100
T AR1016 3 #2	6.833	0.0	127224.547	33.2369	ng/ml	100
T AR1016 4 #2	6.943	0.0	35233.325	13.2622	ng/ml	100
T AR1016 5 #2	7.768	0.0	2127.268	0.9586	ng/ml	100
T AR1260 1	8.678	0.0	596854.397	37.1416	ng/ml	100
T AR1260 2	9.343	0.0	25139.545	1.0898	ng/ml	100
T AR1260 3	9.913	0.0	138915.276	5.9424	ng/ml	100
T AR1260 1 #2	10.219	0.0	2777.500	0.5763	ng/ml	100
T AR1260 4	10.424	0.0	296341.190	24.7976	ng/ml	100
T AR1260 2 #2	10.531	0.0	6090.353	1.1374	ng/ml	100
T AR1260 3 #2	10.913	0.0	34901.953	5.2958	ng/ml	100
T AR1260 5	11.240	0.0	1512624.483	137.8680	ng/ml	100
T AR1260 4 #2	11.450	0.0	38277.180	10.3517	ng/ml	100
T AR1260 5 #2	12.139	0.0	121987.459	22.9573	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

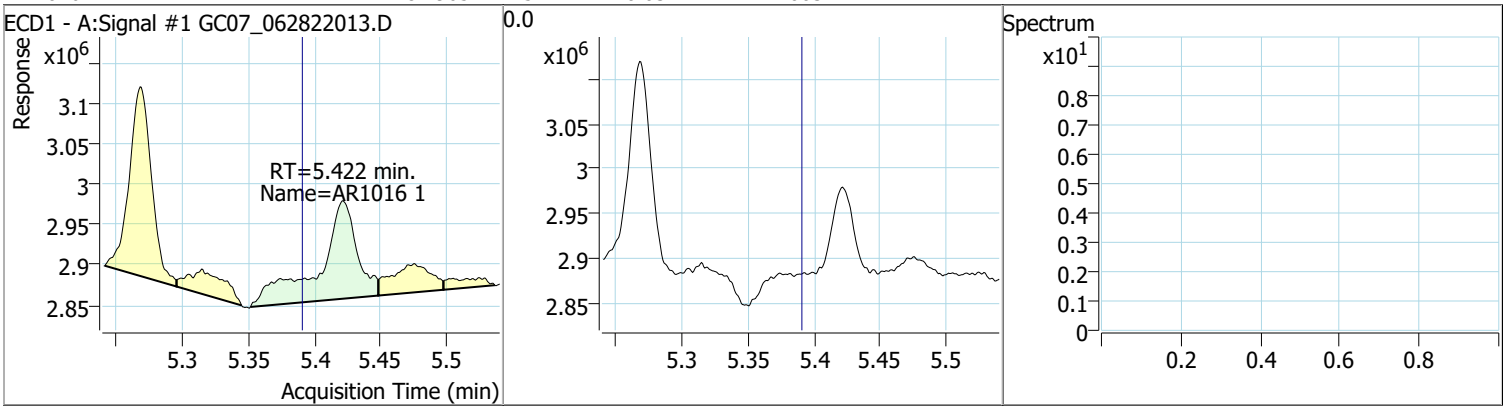
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	30.2384	5.04	0.00	7525061				



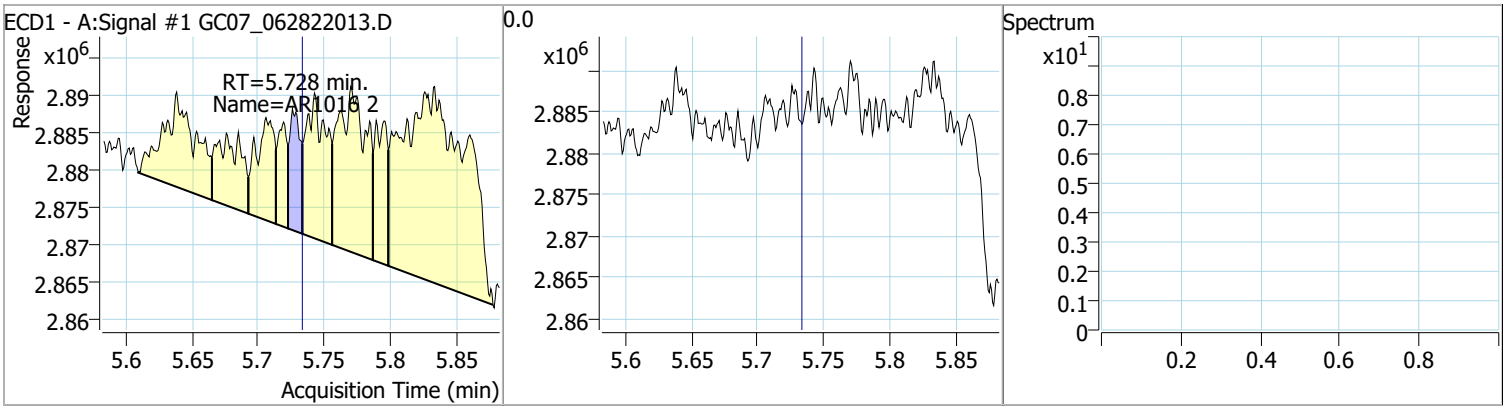
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	30.1731	5.38	0.00	2083790				



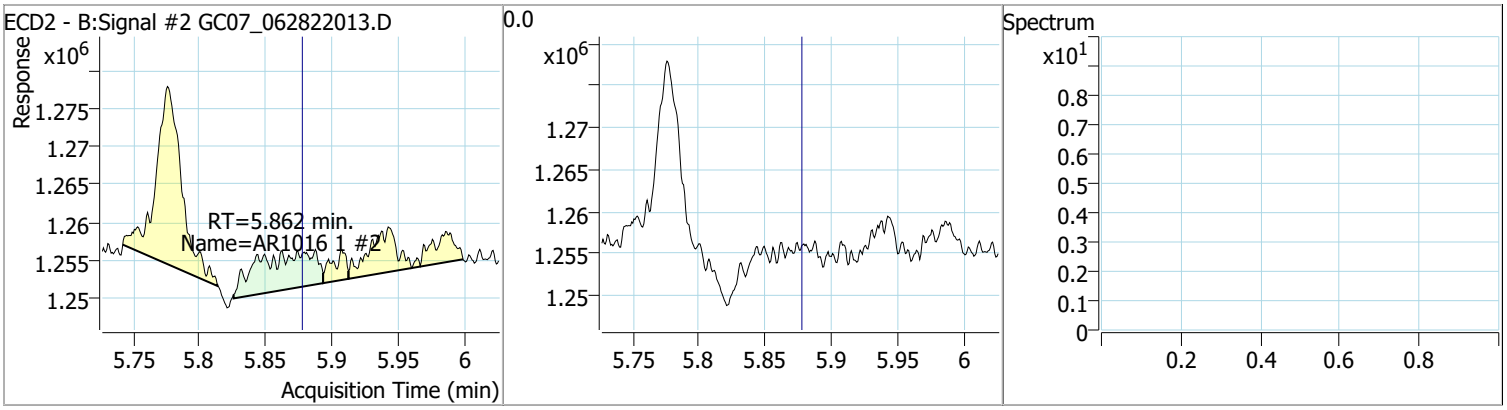
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	48.7965	5.42	0.03	247003				



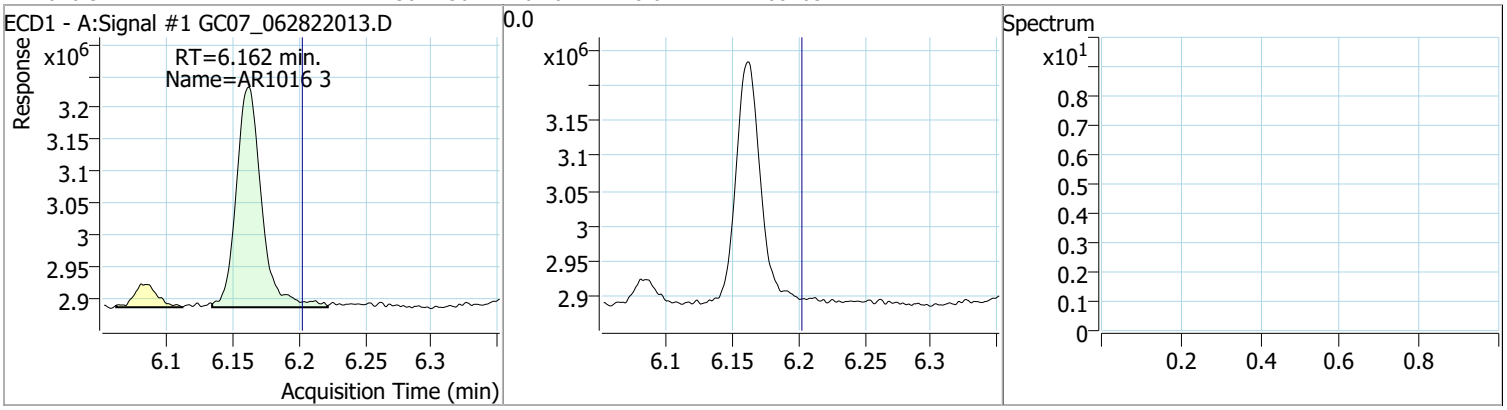
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.8273	5.73	0.00	9076				



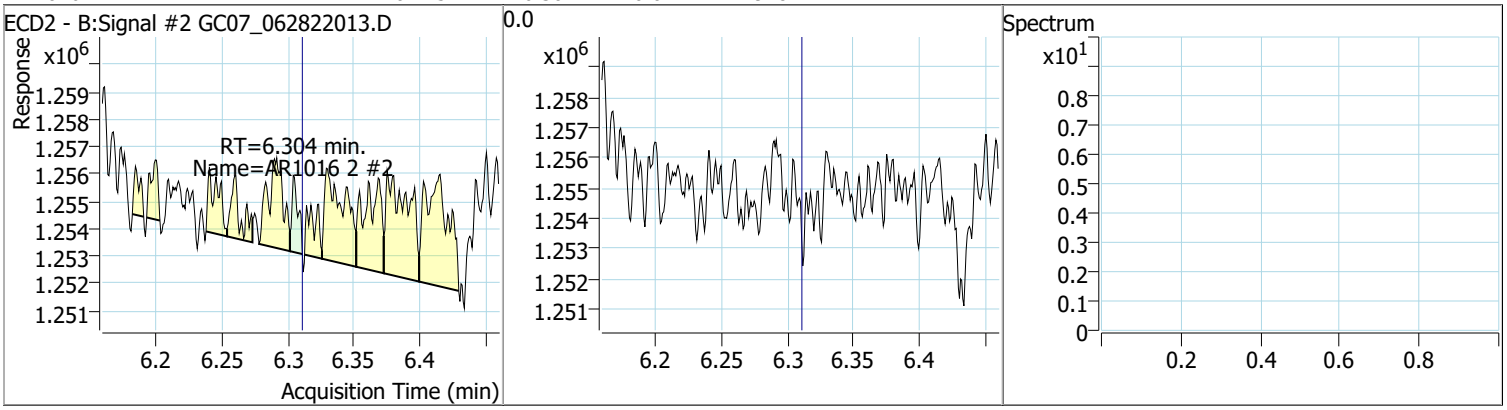
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	9.7685	5.86	-0.01	14970				



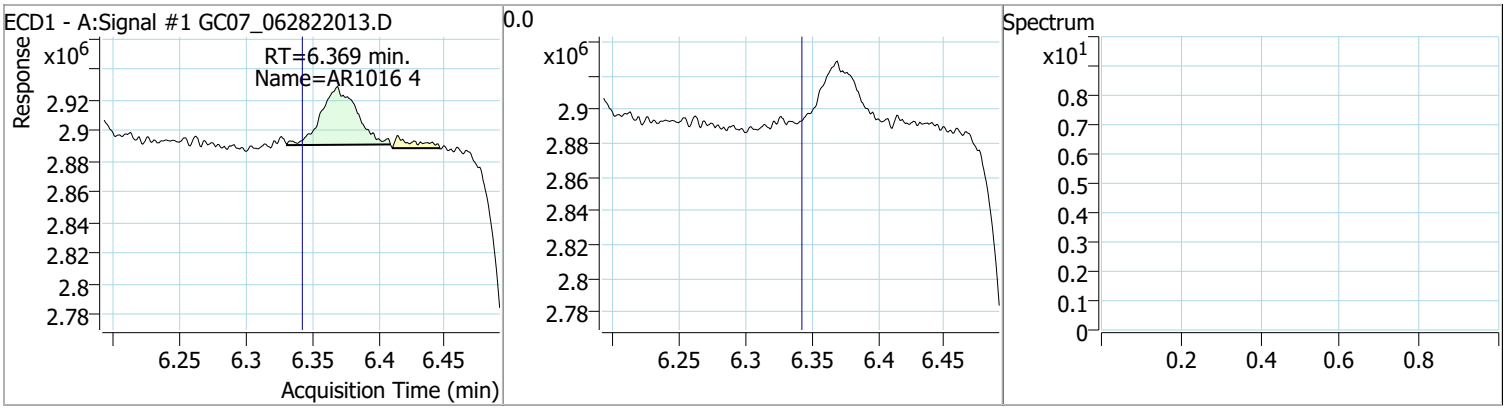
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	36.2456	6.16	-0.04	460465				



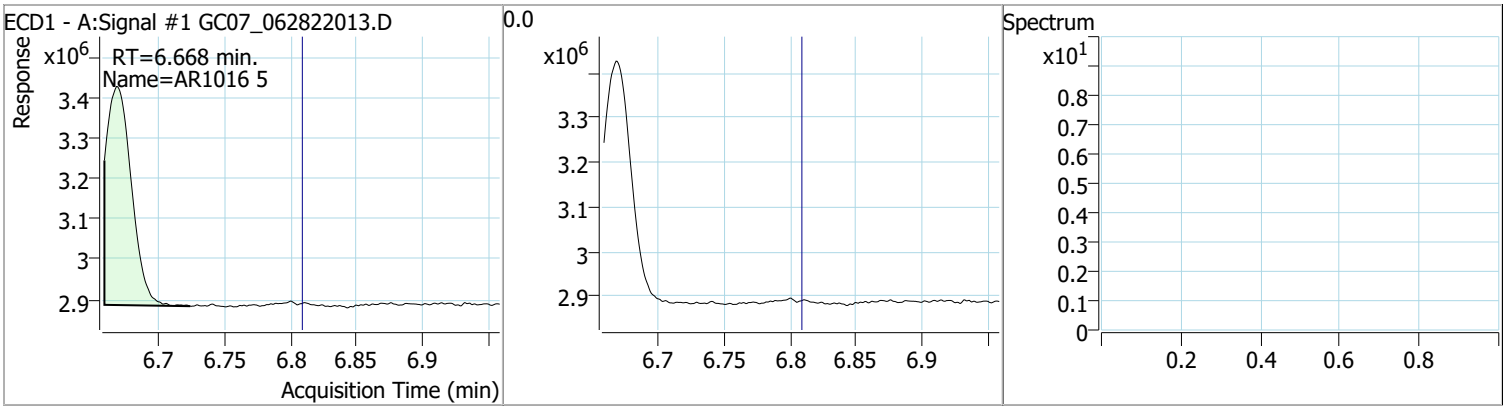
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	0.2751	6.30	-0.01	918				



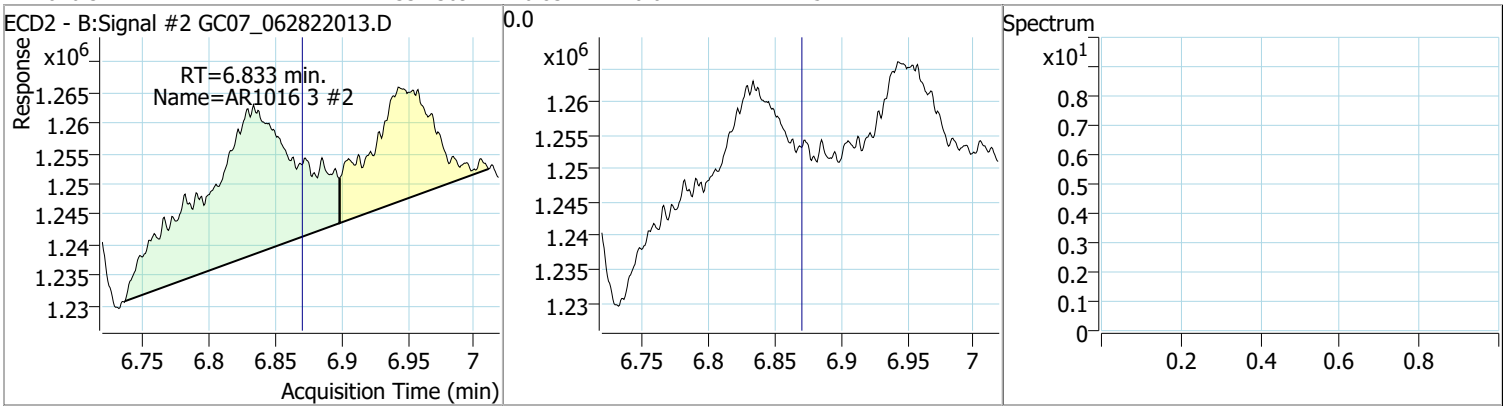
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	7.7570	6.37	0.03	70865				



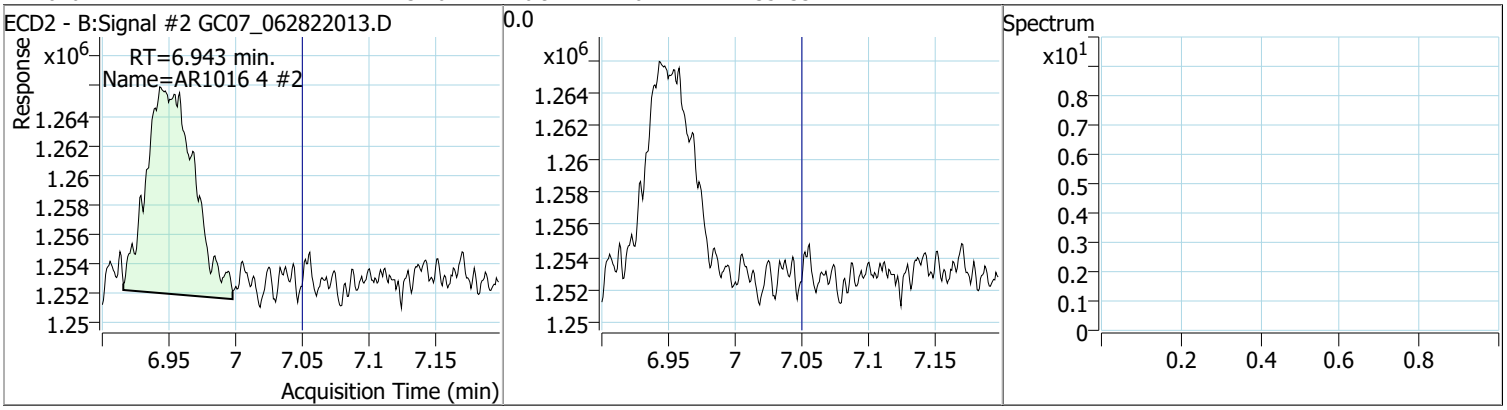
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	90.7012	6.67	-0.14	690203				



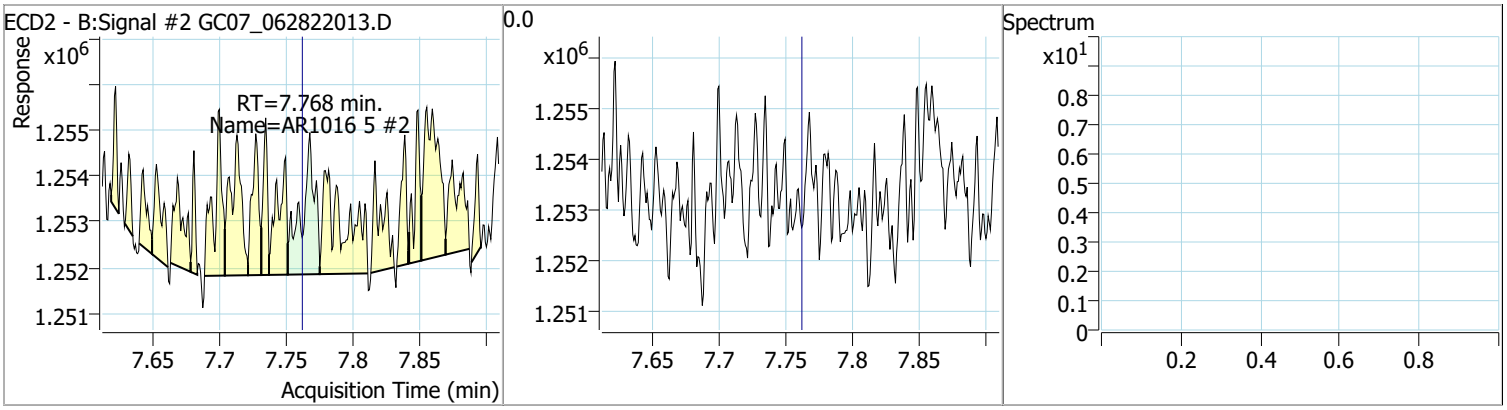
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	33.2369	6.83	-0.04	127225				



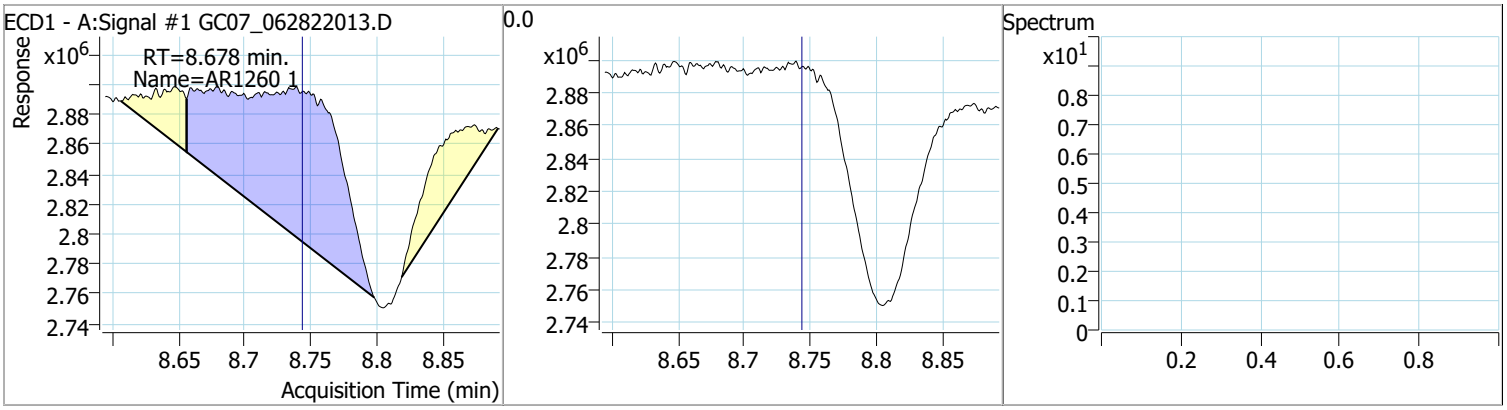
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	13.2622	6.94	-0.11	35233				



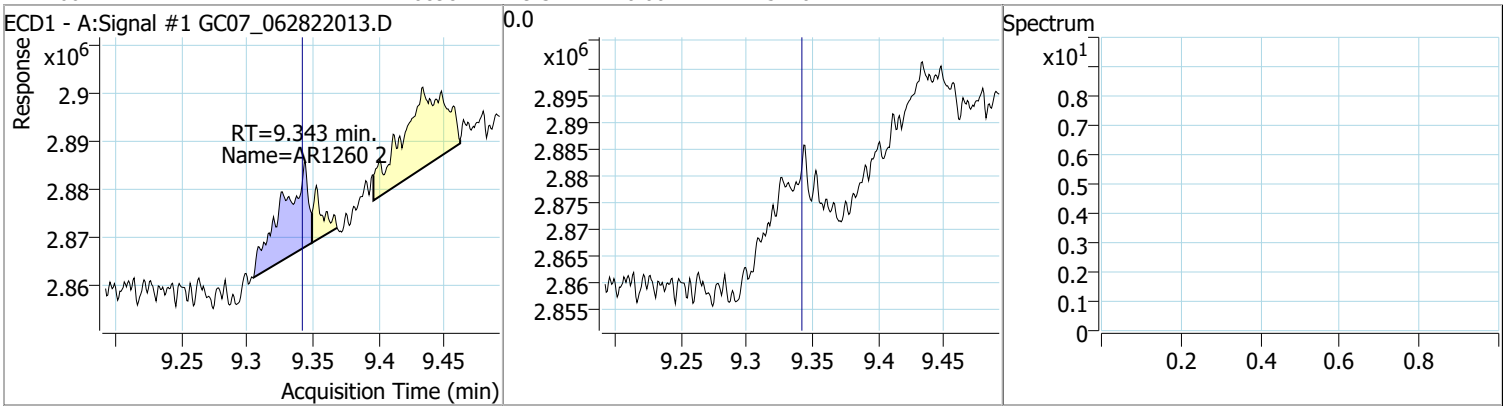
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.9586	7.77	0.01	2127				



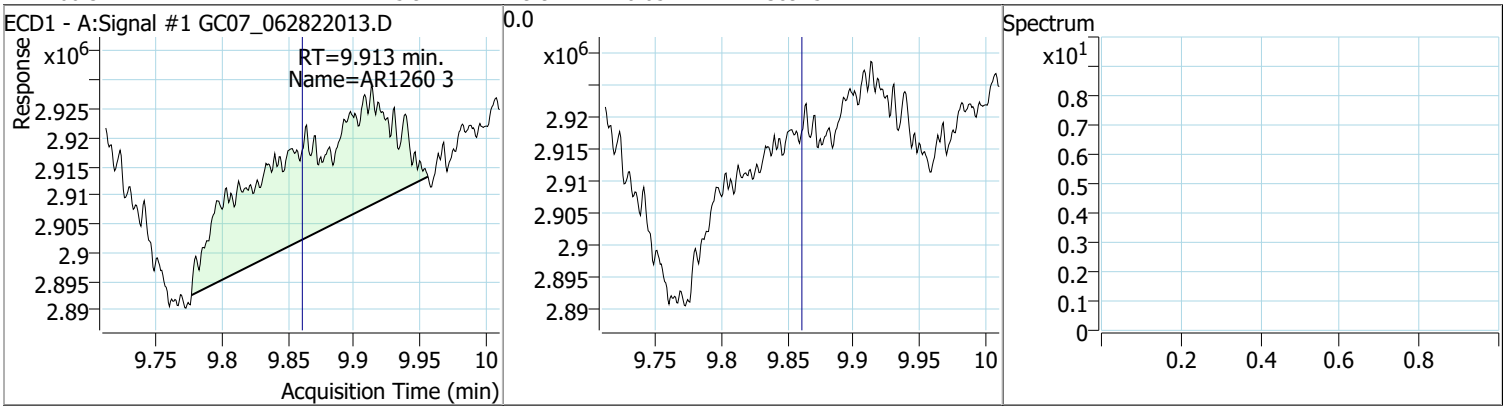
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	37.1416	8.68	-0.07	596854				



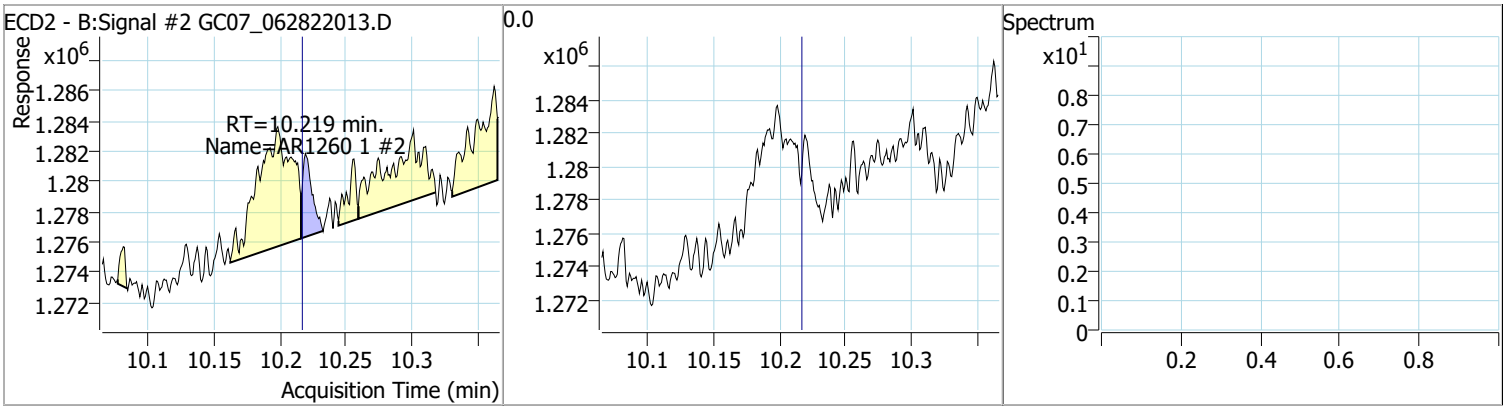
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.0898	9.34	0.00	25140				



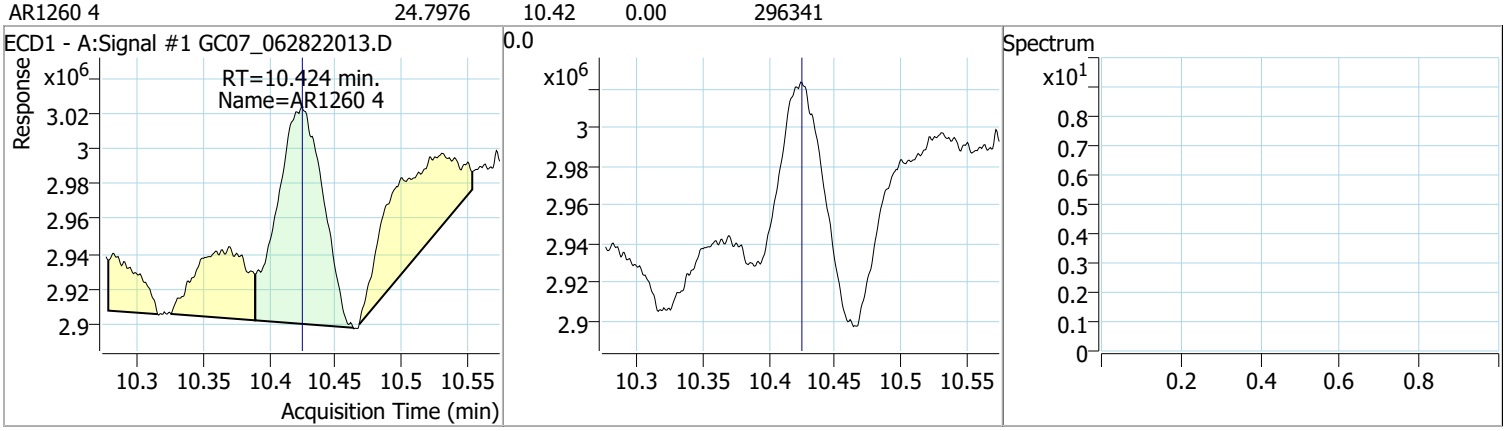
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	5.9424	9.91	0.05	138915				



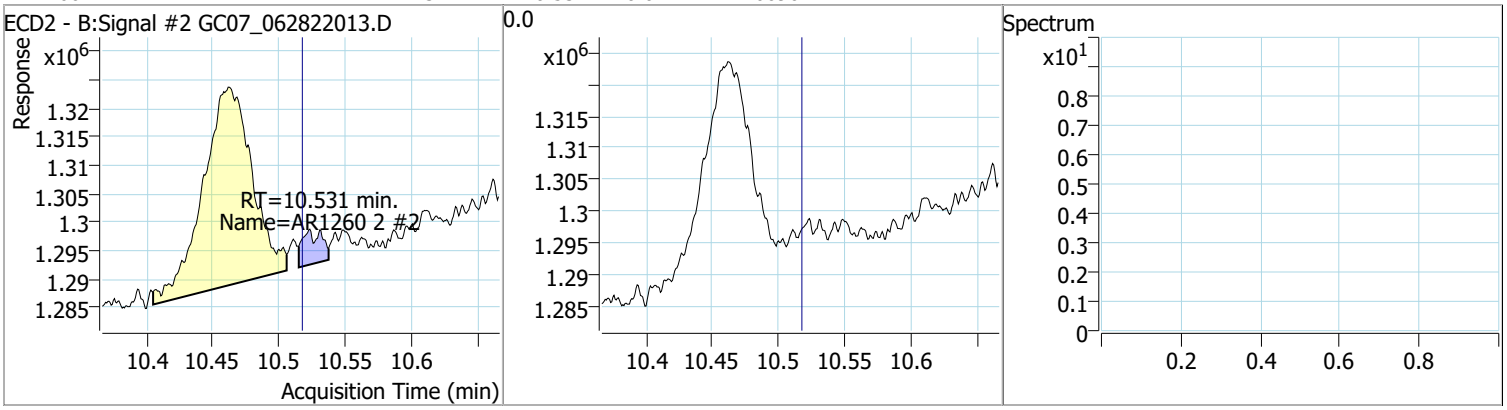
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	0.5763	10.22	0.00	2778				



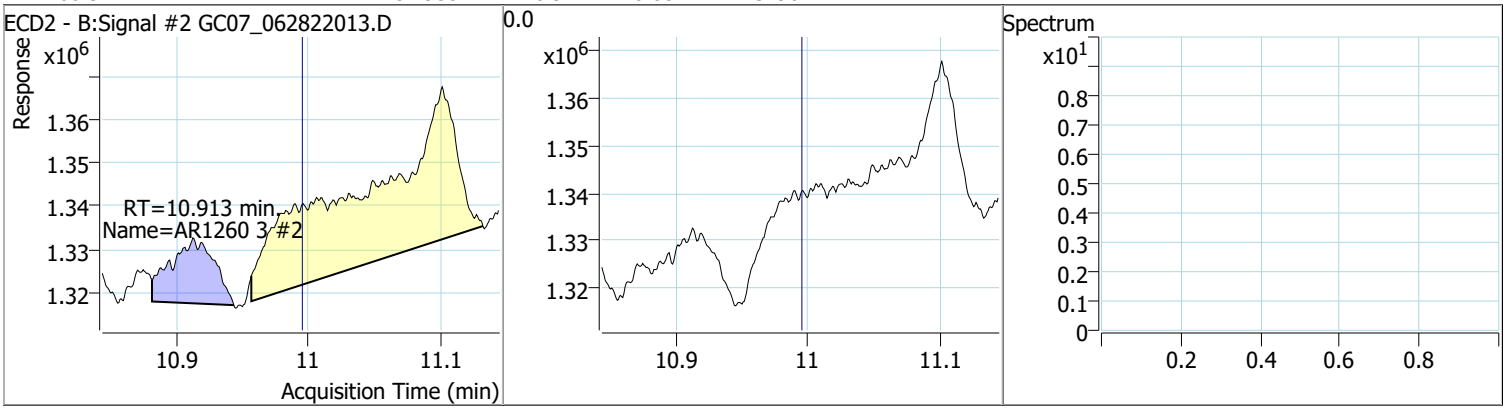
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	24.7976	10.42	0.00	296341				



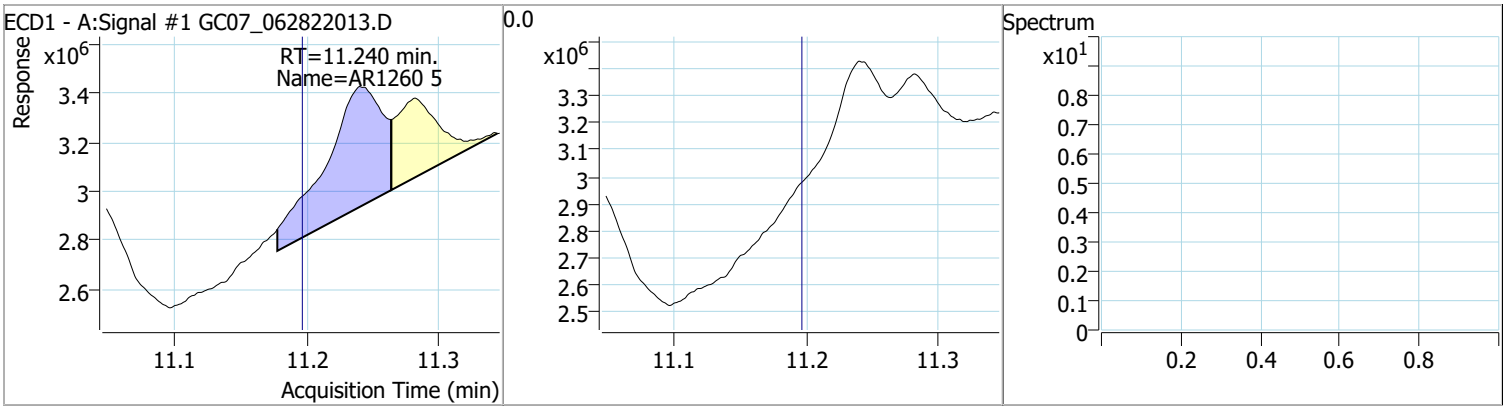
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1.1374	10.53	0.01	6090				



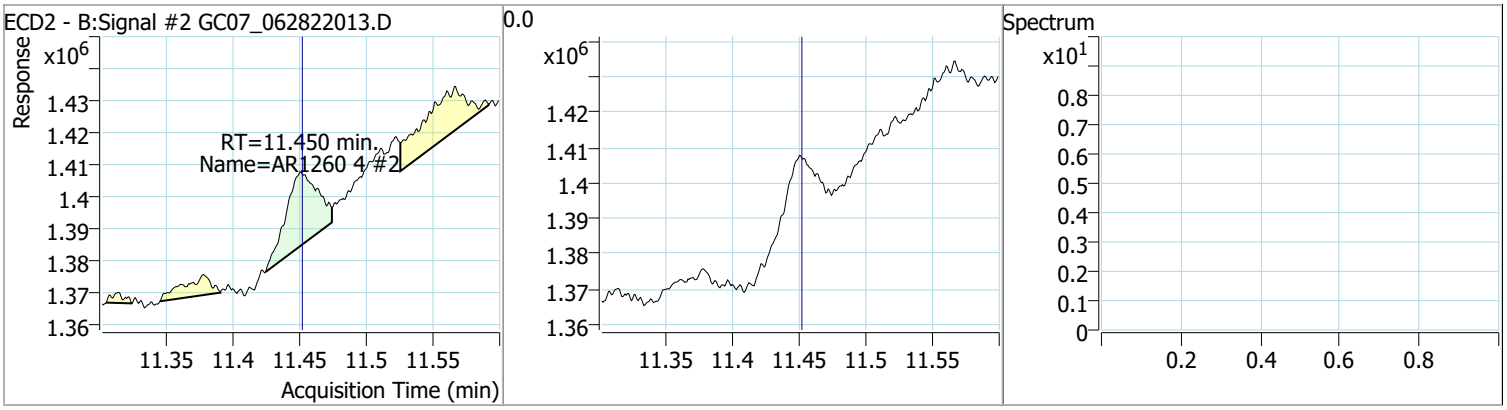
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	5.2958	10.91	-0.08	34902				



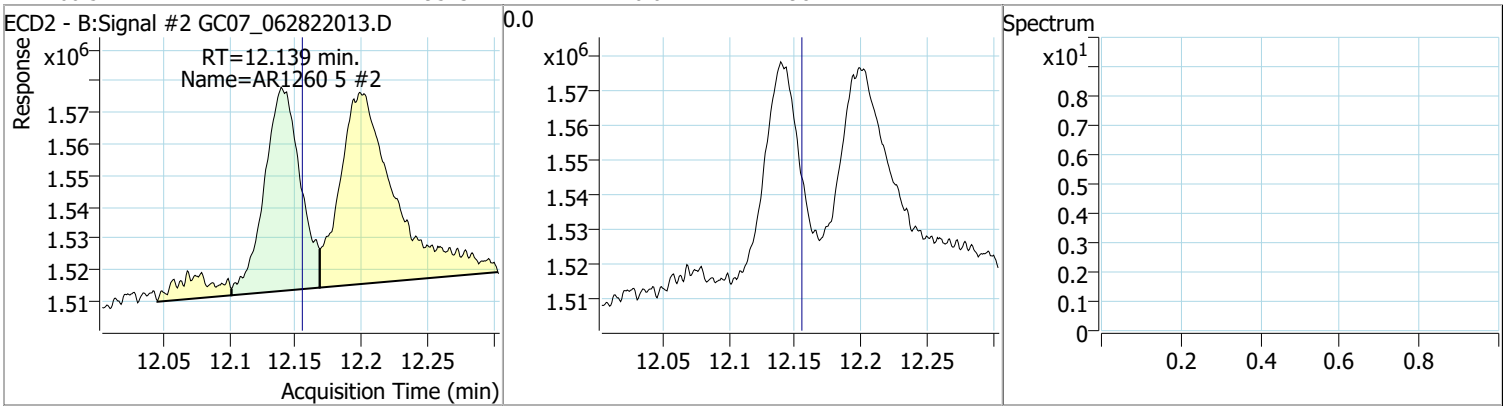
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	137.8680	11.24	0.04	1512624				



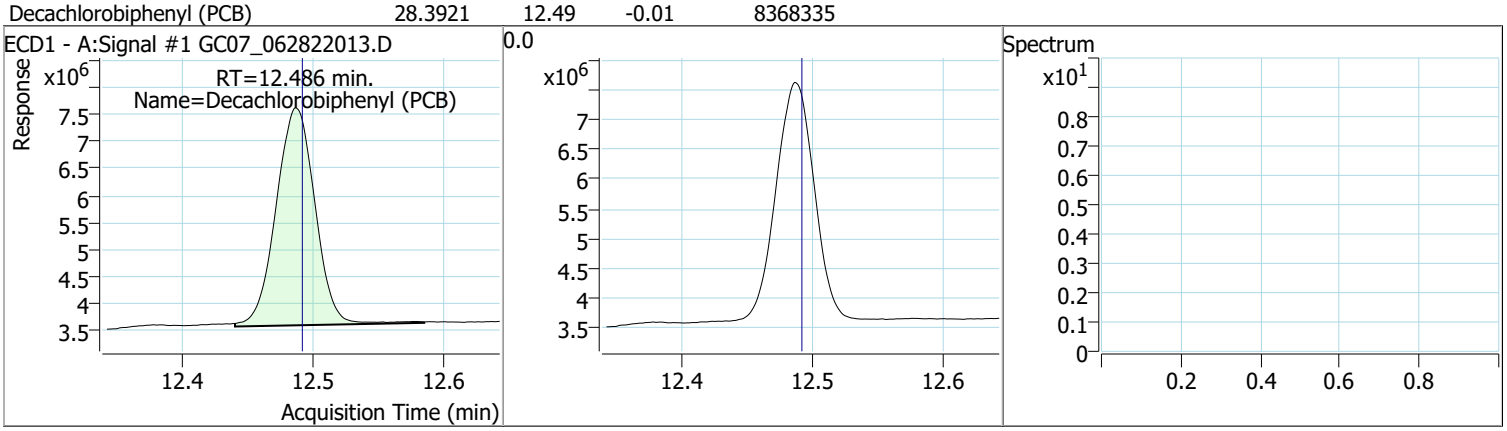
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	10.3517	11.45	0.00	38277				



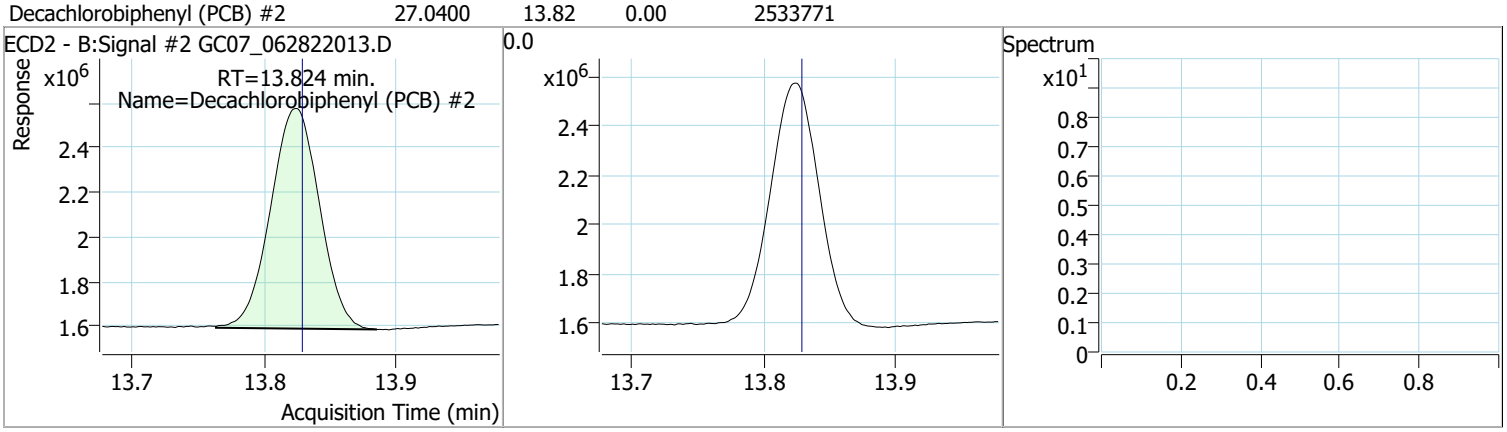
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	22.9573	12.14	-0.01	121987				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	28.3921	12.49	-0.01	8368335				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	27.0400	13.82	0.00	2533771				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	464405-010	Client ID:	DOOR-N-0.1GE-PS-26-220615-P-LA
Seqnum:	462258436014.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_062822014	Batch:	291960	Time:	28-JUN-2022 14:40
Cal:	462252739001	Caldate:	25-JUN-2022		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	7.871	ug/L	ND	0.50	104%	1.0		u
Aroclor-1016 Peak # 1	B	9.387	ug/L	0.19	0.97	135%			
Aroclor-1016 Peak # 2	B	0.4263	ug/L	0.01	0.03	101%			
Aroclor-1016 Peak # 3	B	28.80	ug/L	0.58	0.51	11%			
Aroclor-1016 Peak # 4	B	0.4195	ug/L	0.01	0.14	177%			
Aroclor-1016 Peak # 5	B	0.3204	ug/L	0.01	0.83	197%			
Aroclor-1221	B			ND			1.0		u
Aroclor-1232	B			ND			1.0		u
Aroclor-1242	B			ND			1.0		u
Aroclor-1248	B			ND			1.0		u
Aroclor-1254	B			ND			1.0		u
Aroclor-1260	B	8.252	ug/L	ND	0.91	139%	1.0		u
Aroclor-1260 Peak # 1	B	1.493	ug/L	0.03	0.71	184%			
Aroclor-1260 Peak # 2	B	12.69	ug/L	0.25	0.02	169%			
Aroclor-1260 Peak # 3	B	5.184	ug/L	0.10	0.11	3%			
Aroclor-1260 Peak # 4	B	5.158	ug/L	0.10	0.63	144%			
Aroclor-1260 Peak # 5	B	16.73	ug/L	0.33	3.09	161%			
Aroclor-1268	B			ND			1.0		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	33.28	pg/uL	1.000	0.6656	67	52-186	u
Decachlorobiphenyl (PCB)	B	29.47	pg/uL	1.000	0.5893	59	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_062822004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1389469	1386429	-0.22
1-bromo-2-nitrobenzene (PCB)	A	5233508	4816272	-7.97

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_062822004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.25	4.25	0.00

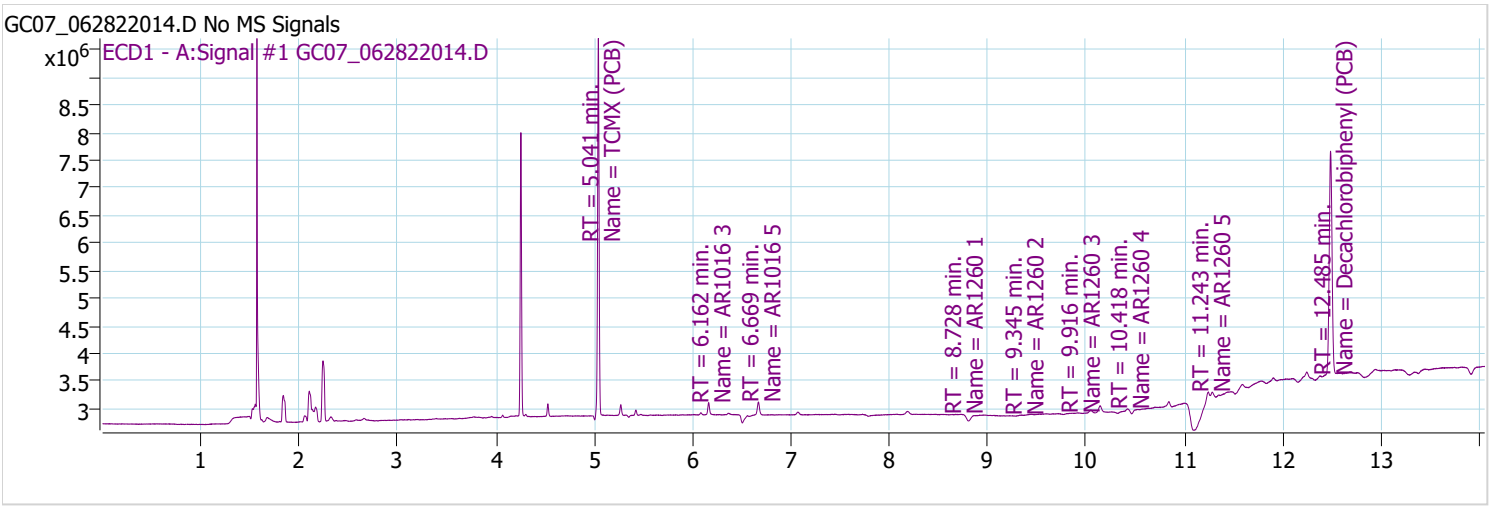
u=use

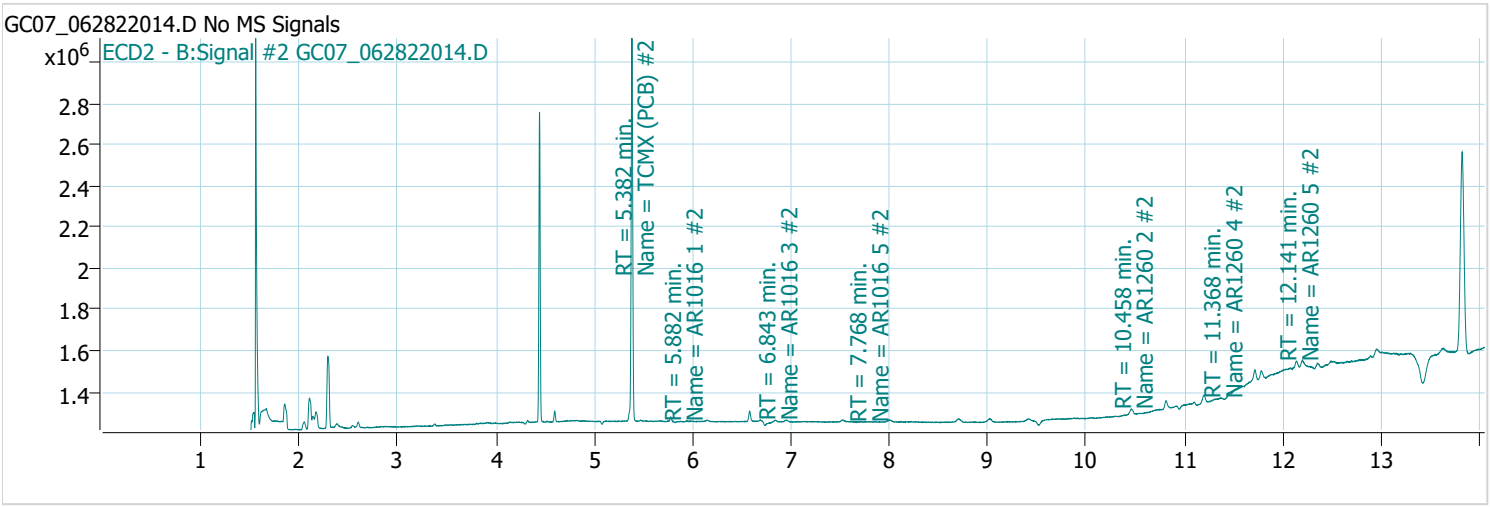
Analyst: TRN 06/28/22 *

Reviewer: SLL 06/28/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC07_062822014.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/28/2022 2:40:53 PM
Sample Name	464405-010, 291960, 1	Instrument	SVOA-GC07
Vial	8	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_2.m	Comment	Wipe/1s-20ml//3580 method
Tune File	ATUNE.U	Tune Date	
Batch Name	062822PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



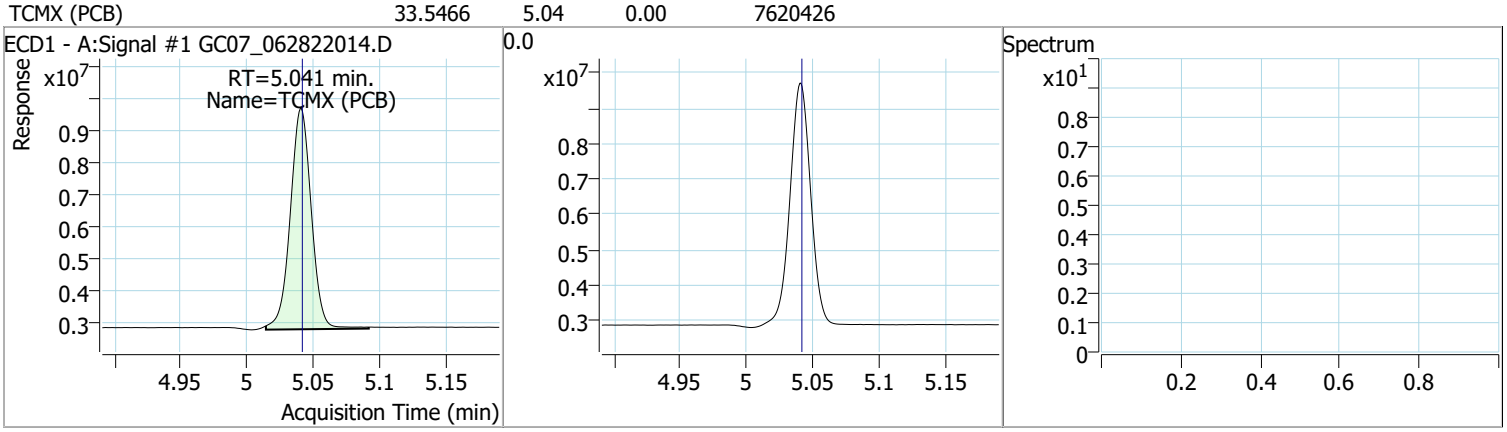


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.253	0.0	4816272.120	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.443	0.0	1386429.067	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.041	0.0	7620425.699	33.5466	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 167.73%		*	
S TCMX (PCB) #2	5.382	0.0	2092892.200	33.2628	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 166.31%		*	
S Decachlorobiphenyl (PCB)	12.485	0.0	8340194.351	30.9995	ng/ml		-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 155.00%		*	
S Decachlorobiphenyl (PCB) #2	13.823	0.0	2514178.714	29.4497	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 147.25%			
Target Compounds							QValue

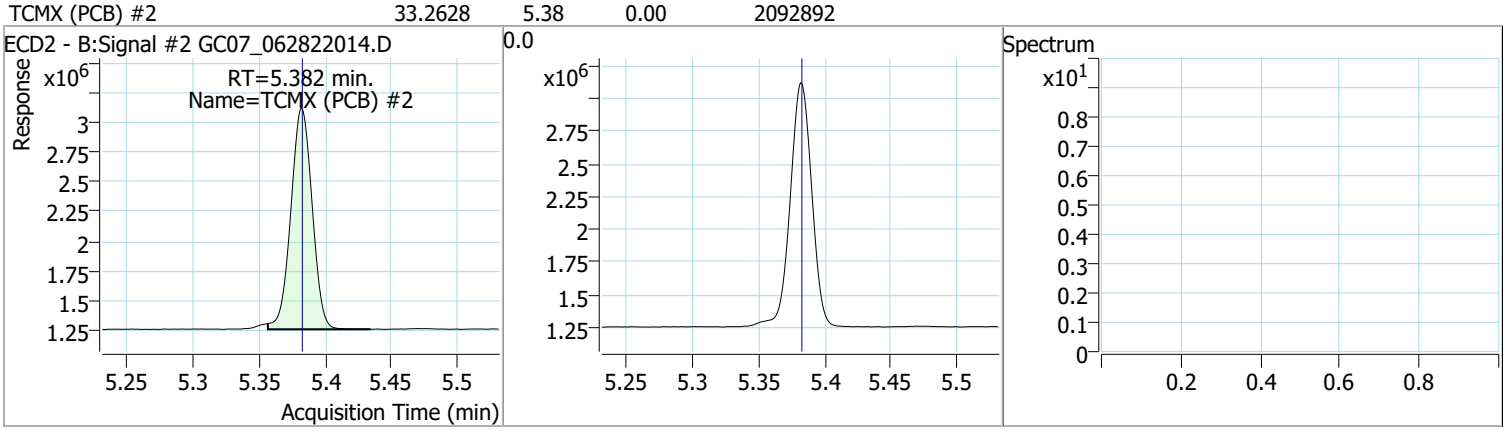
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.423	0.0	223034.641	48.2701	ng/ml	100
T AR1016 2	5.750	0.0	12942.676	1.2924	ng/ml	100
T AR1016 1 #2	5.882	0.0	13098.442	9.3815	ng/ml	100
T AR1016 3	6.162	0.0	298389.201	25.7313	ng/ml	100
T AR1016 2 #2	6.313	0.0	1295.448	0.4261	ng/ml	100
T AR1016 4	6.364	0.0	58410.076	7.0044	ng/ml	100
T AR1016 5	6.669	0.0	288370.325	41.5151	ng/ml	100
T AR1016 3 #2	6.843	0.0	100387.582	28.7856	ng/ml	100
T AR1016 4 #2	7.046	0.0	1014.745	0.4192	ng/ml	100
T AR1016 5 #2	7.768	0.0	647.491	0.3202	ng/ml	100
T AR1260 1	8.728	0.0	523043.779	35.6574	ng/ml	100
T AR1260 2	9.345	0.0	22829.087	1.0842	ng/ml	100
T AR1260 3	9.916	0.0	113647.800	5.3259	ng/ml	100
T AR1260 1 #2	10.213	0.0	6551.873	1.4922	ng/ml	100
T AR1260 4	10.418	0.0	343066.230	31.4496	ng/ml	100
T AR1260 2 #2	10.458	0.0	61877.651	12.6843	ng/ml	100
T AR1260 3 #2	10.912	0.0	31110.584	5.1813	ng/ml	100
T AR1260 5	11.243	0.0	1546291.847	154.3986	ng/ml	100
T AR1260 4 #2	11.368	0.0	17365.924	5.1548	ng/ml	100
T AR1260 5 #2	12.141	0.0	80951.919	16.7216	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

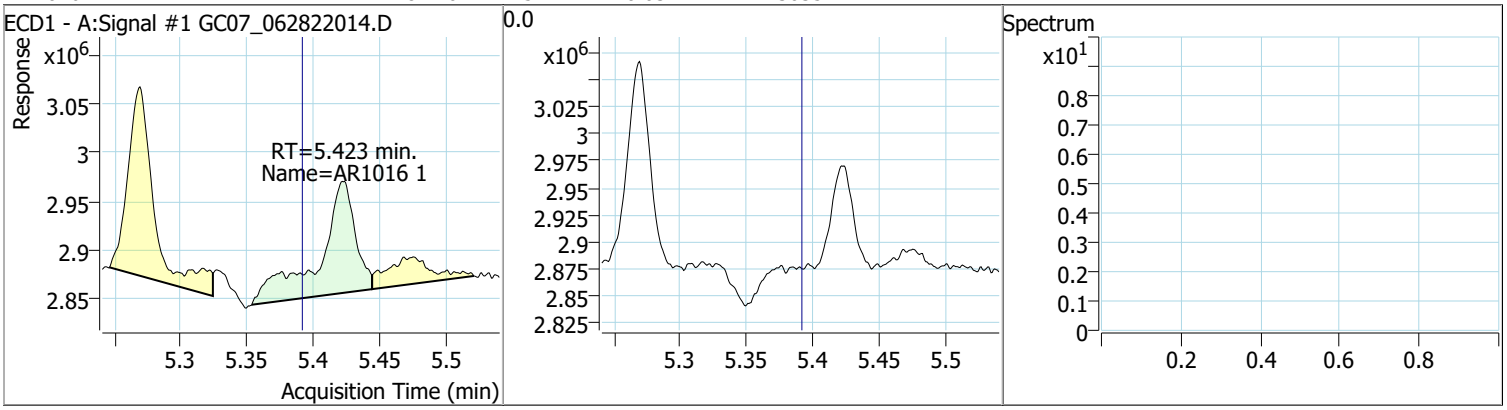
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	33.5466	5.04	0.00	7620426				



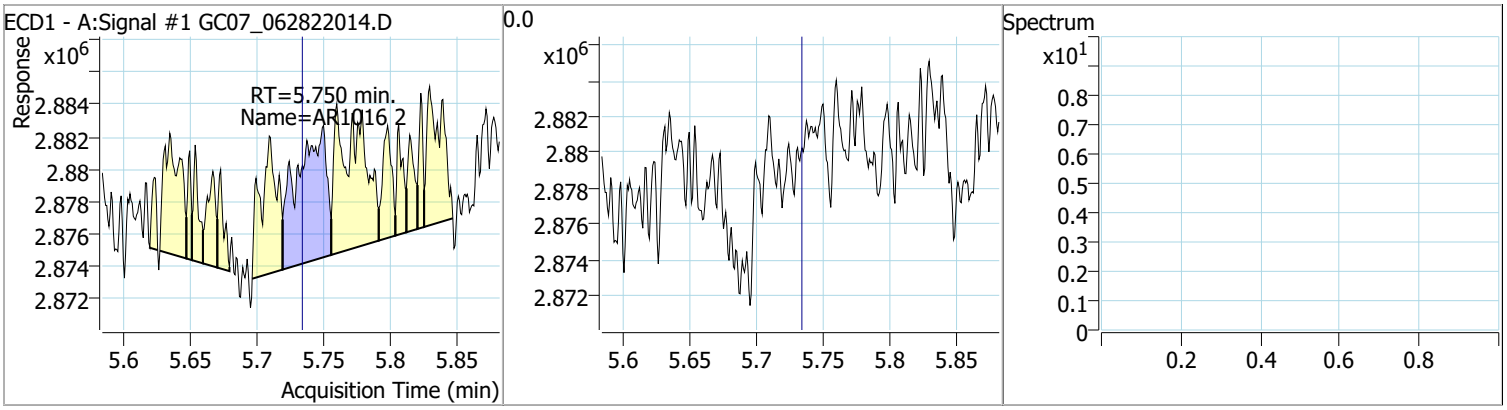
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	33.2628	5.38	0.00	2092892				



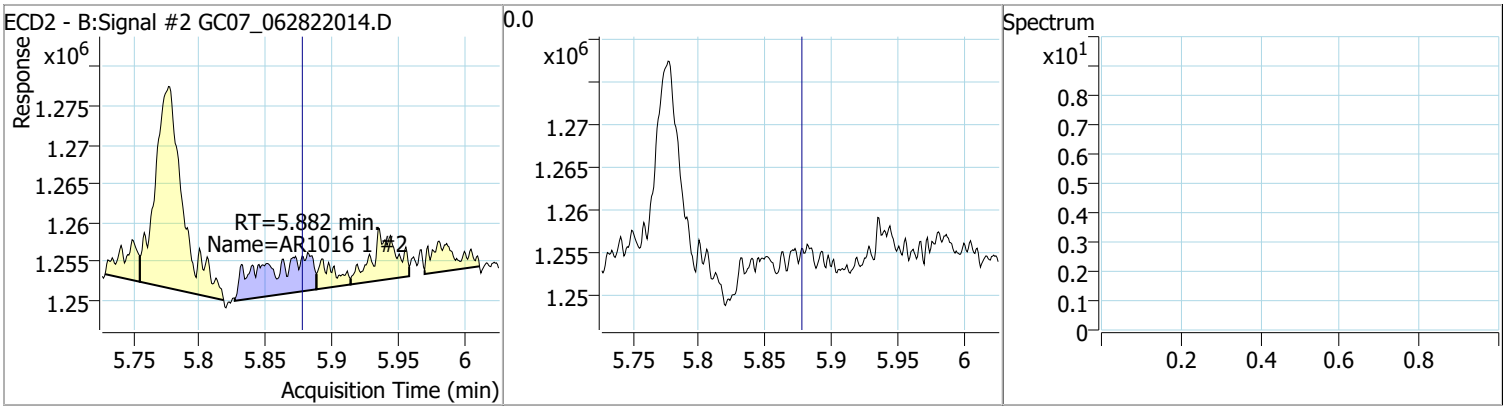
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	48.2701	5.42	0.03	223035				



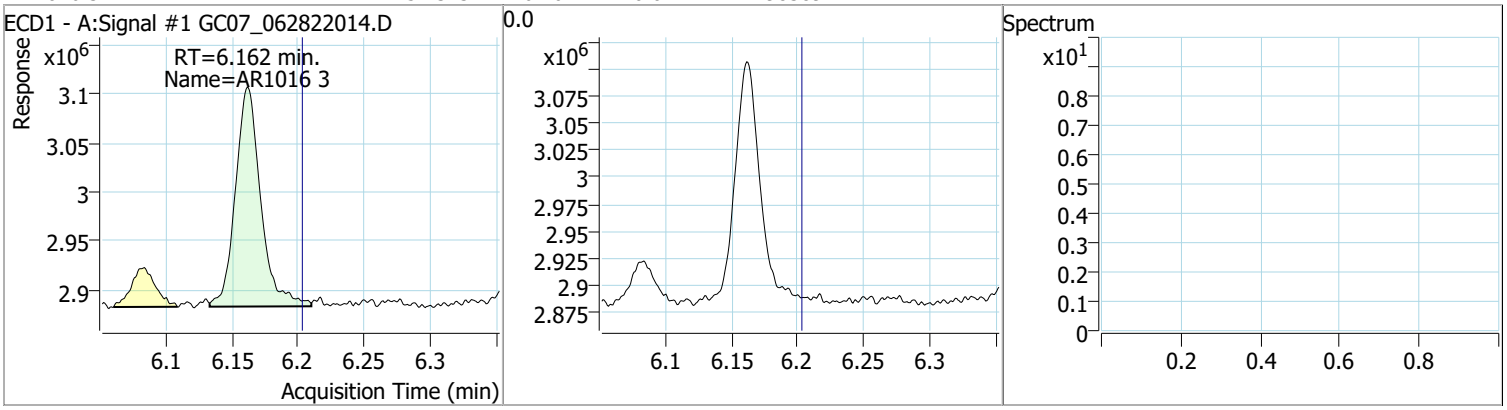
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1.2924	5.75	0.02	12943				



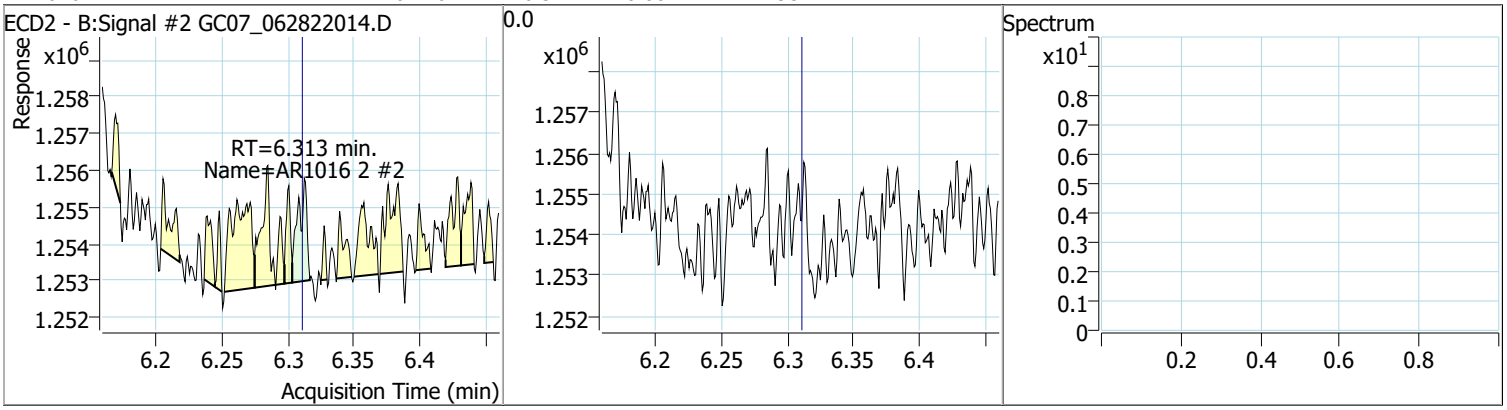
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	9.3815	5.88	0.01	13098				



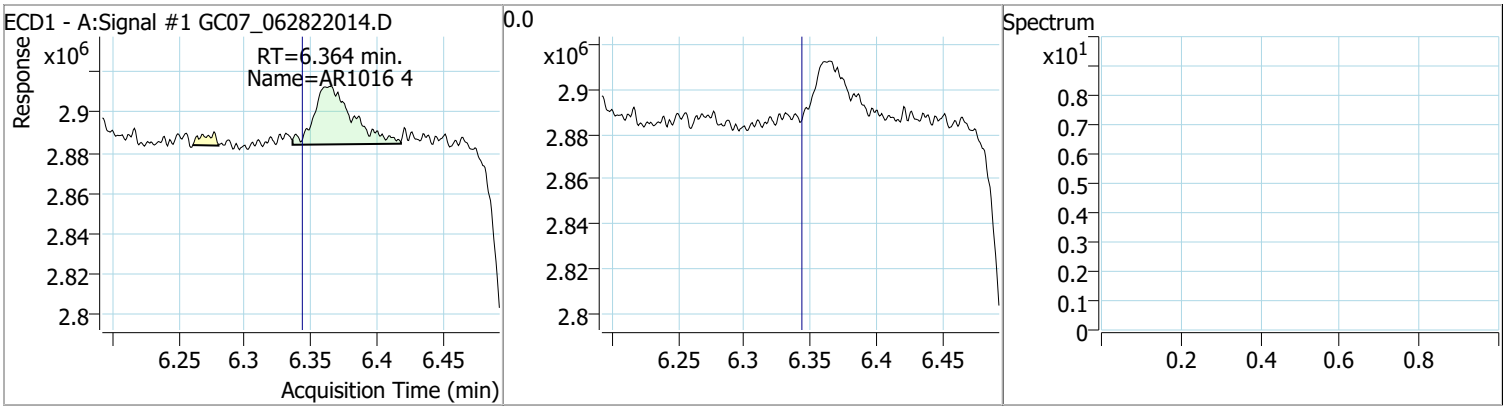
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	25.7313	6.16	-0.04	298389				



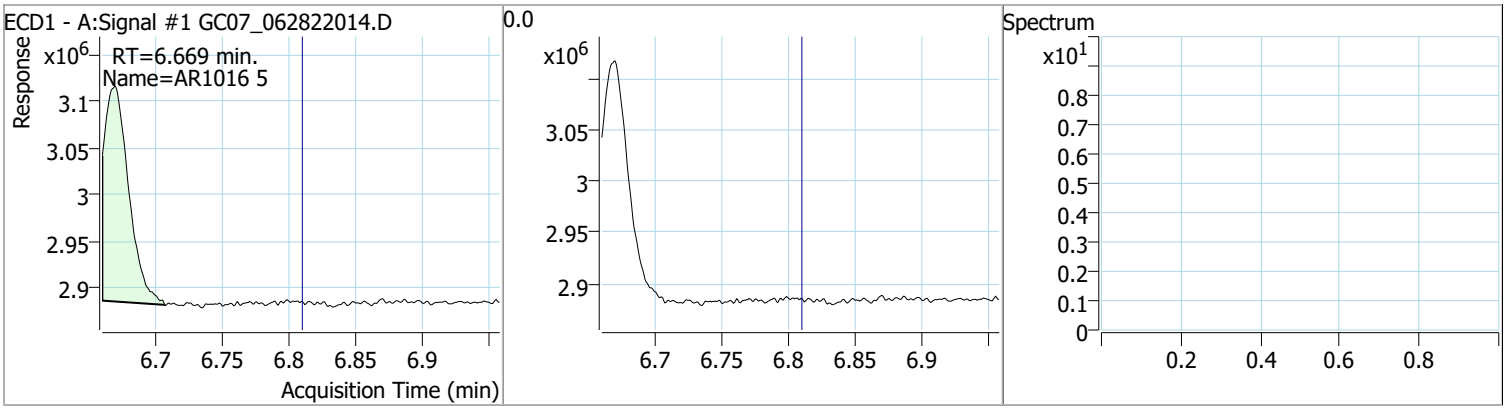
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	0.4261	6.31	0.00	1295				



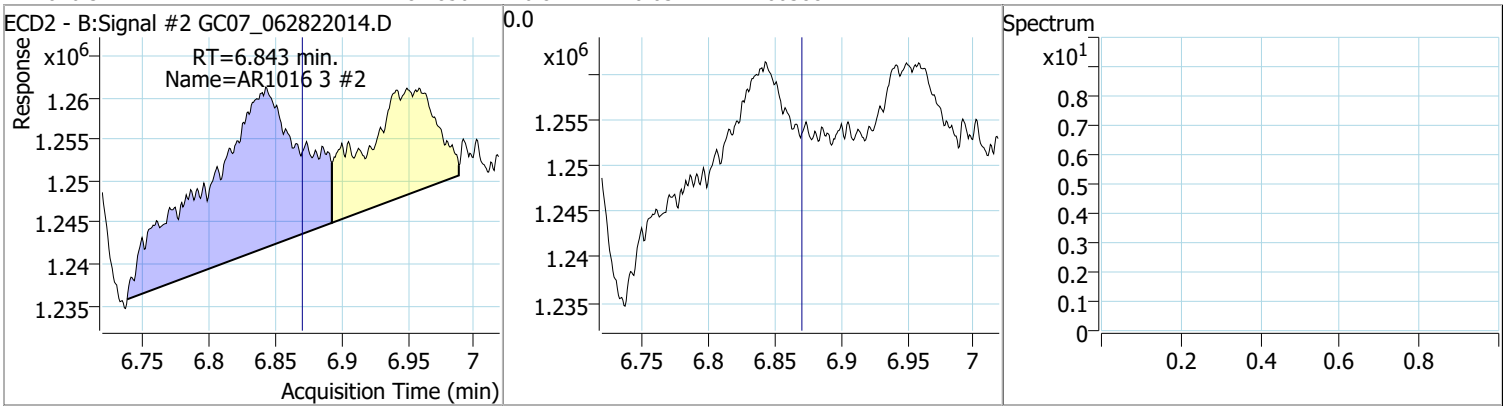
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	7.0044	6.36	0.02	58410				



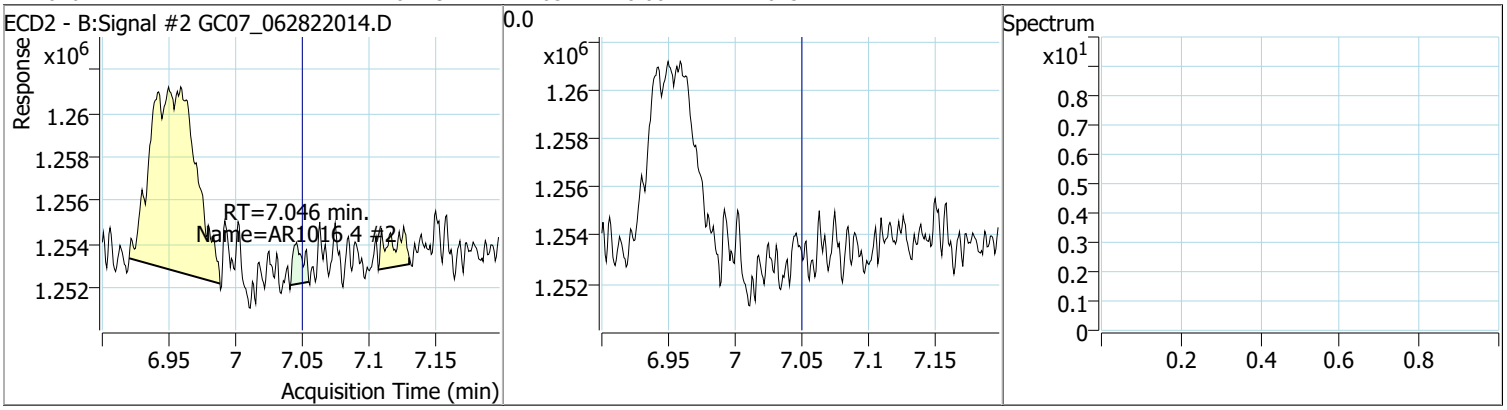
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	41.5151	6.67	-0.14	288370				



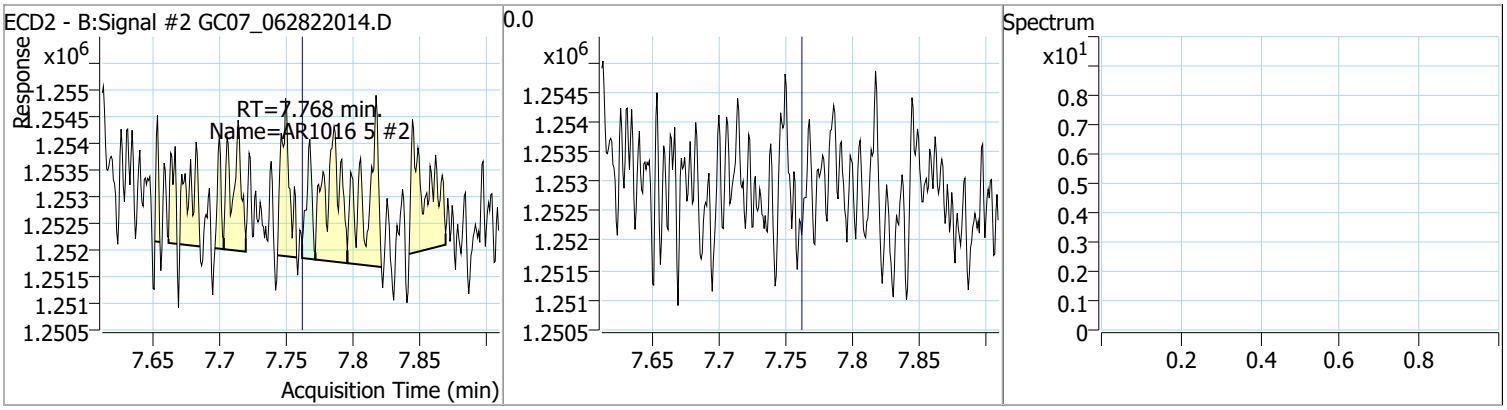
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	28.7856	6.84	-0.03	100388				



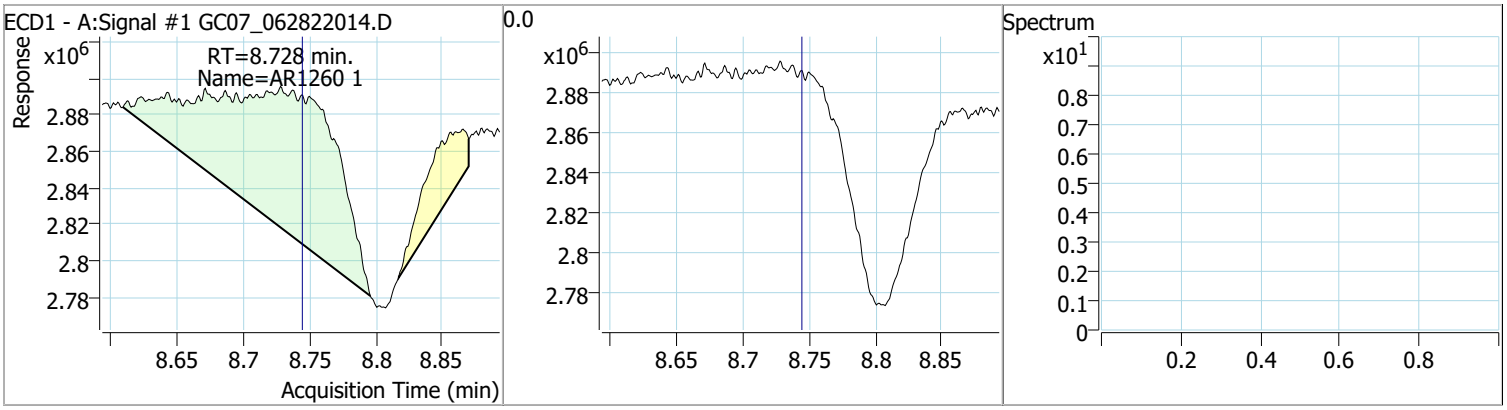
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.4192	7.05	0.00	1015				



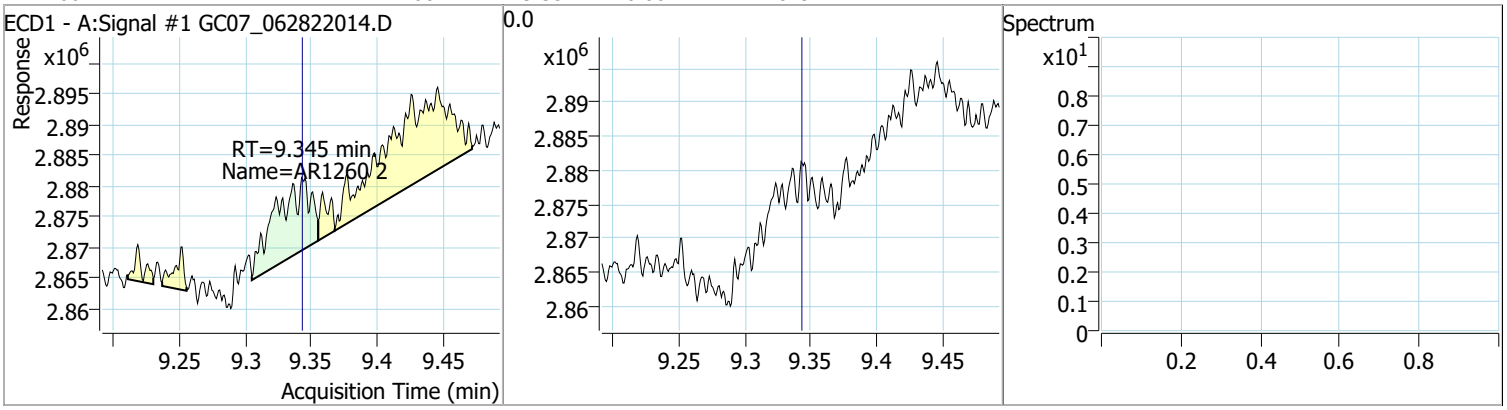
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.3202	7.77	0.01	647				



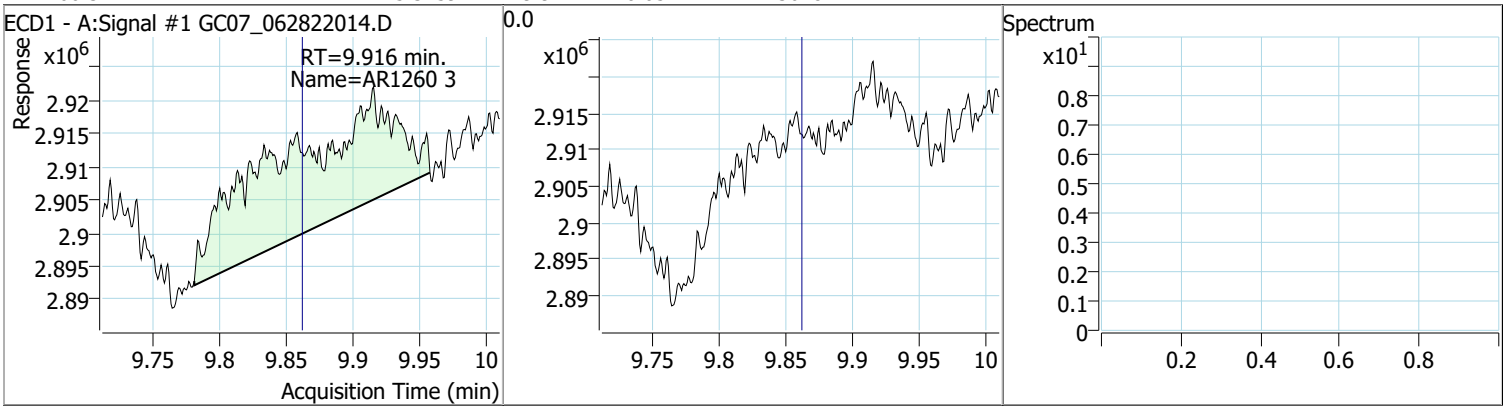
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	35.6574	8.73	-0.02	523044				



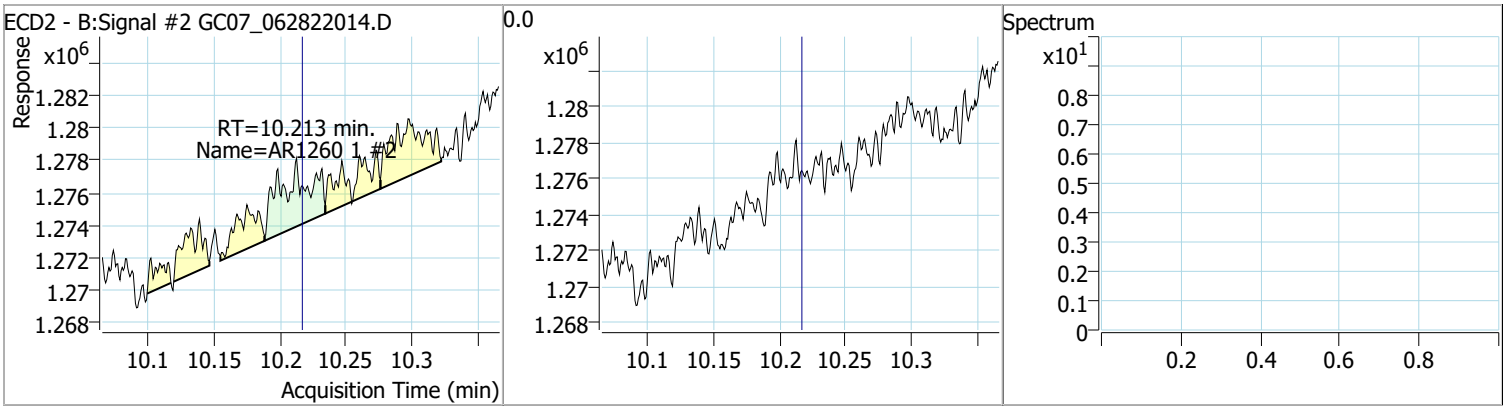
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.0842	9.35	0.00	22829				



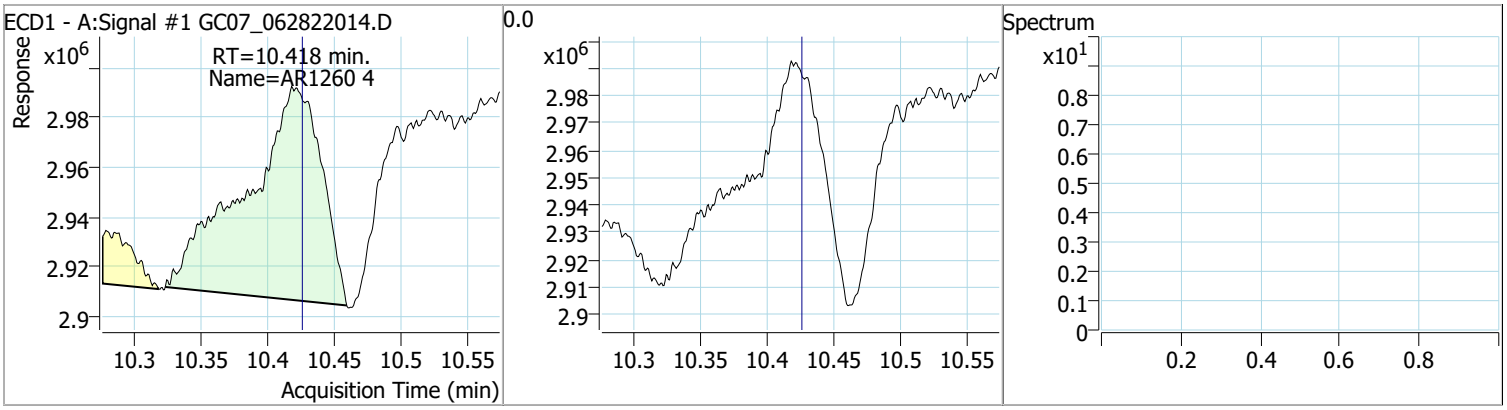
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	5.3259	9.92	0.05	113648				



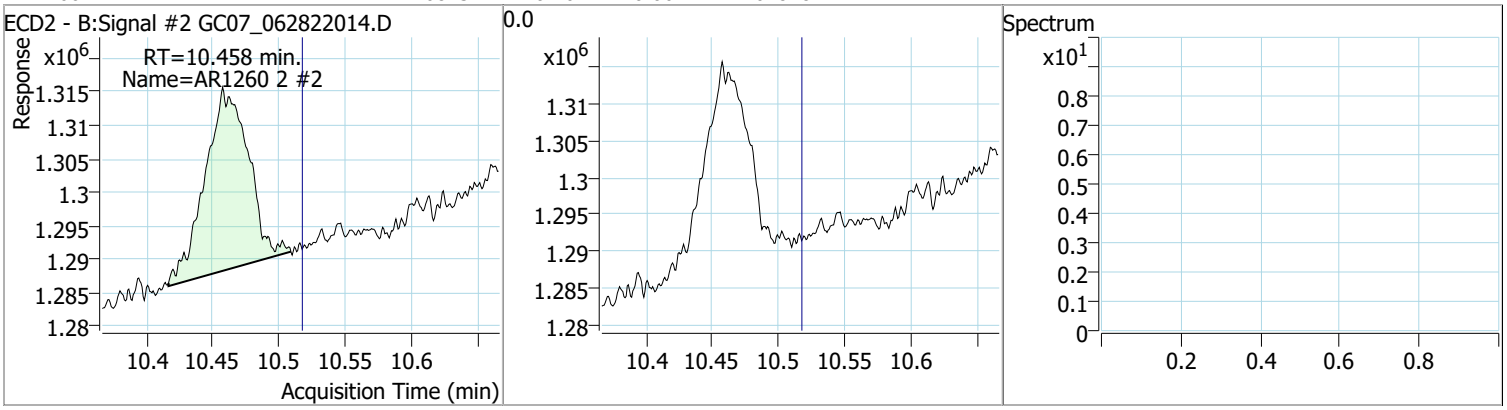
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1.4922	10.21	0.00	6552				



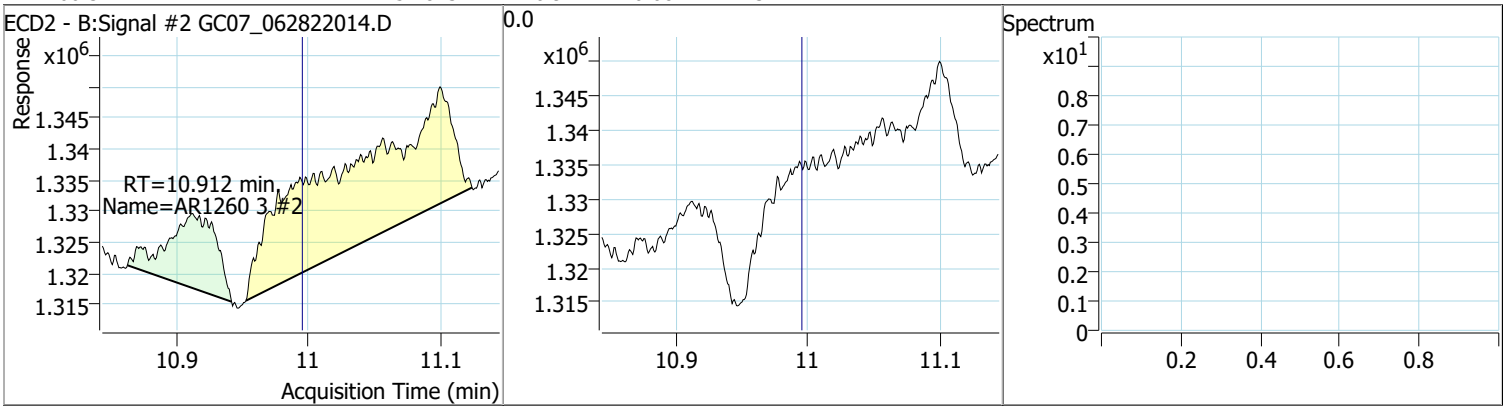
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	31.4496	10.42	-0.01	343066				



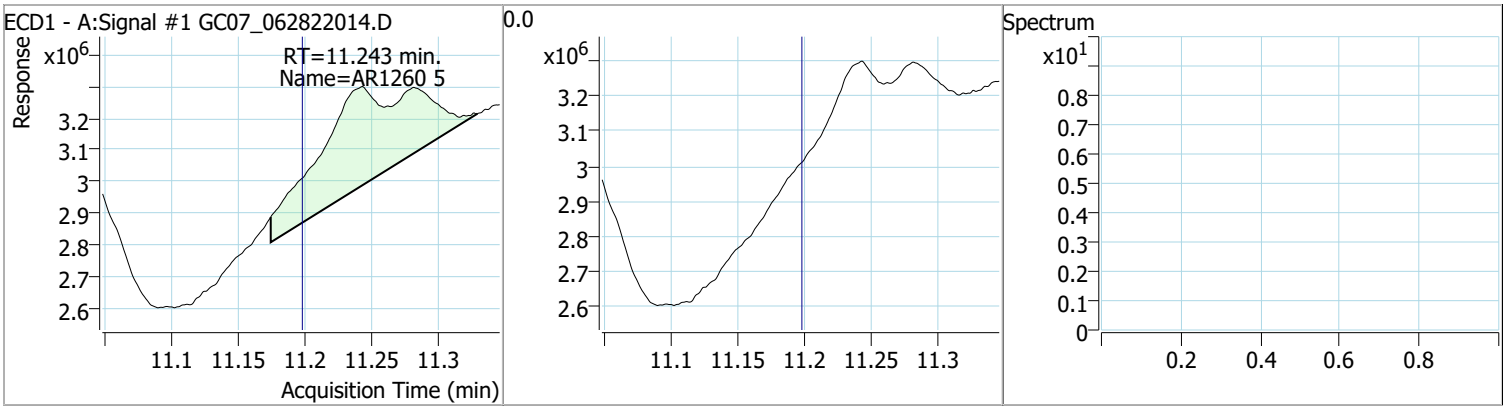
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	12.6843	10.46	-0.06	61878				



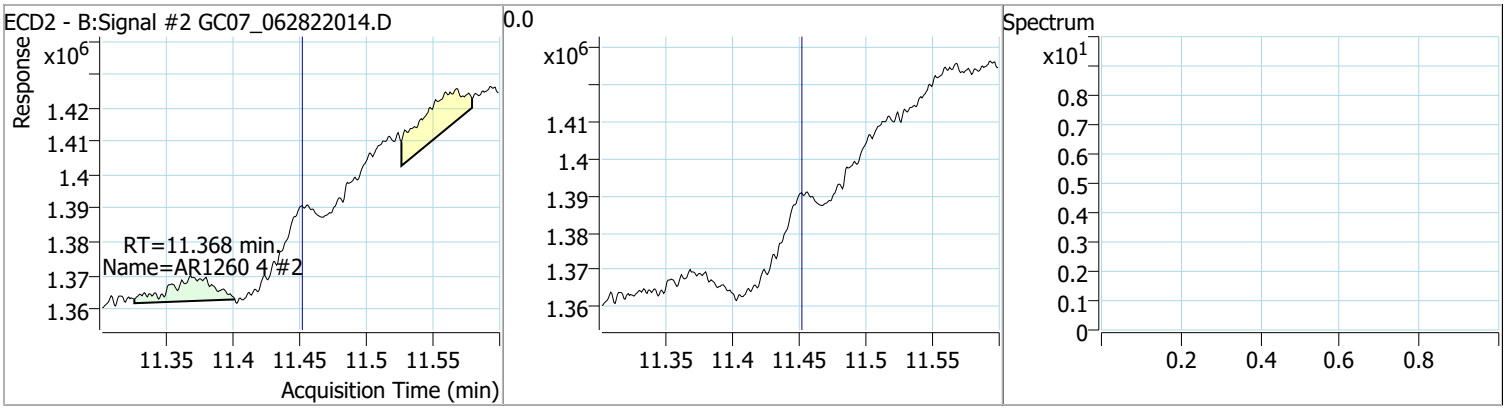
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	5.1813	10.91	-0.08	31111				



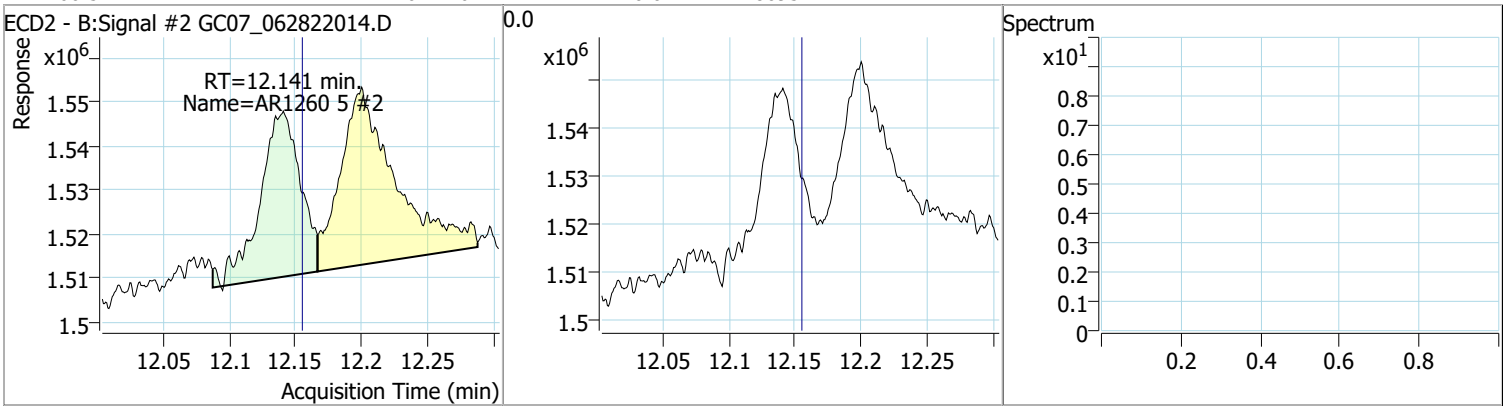
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	154.3986	11.24	0.05	1546292				



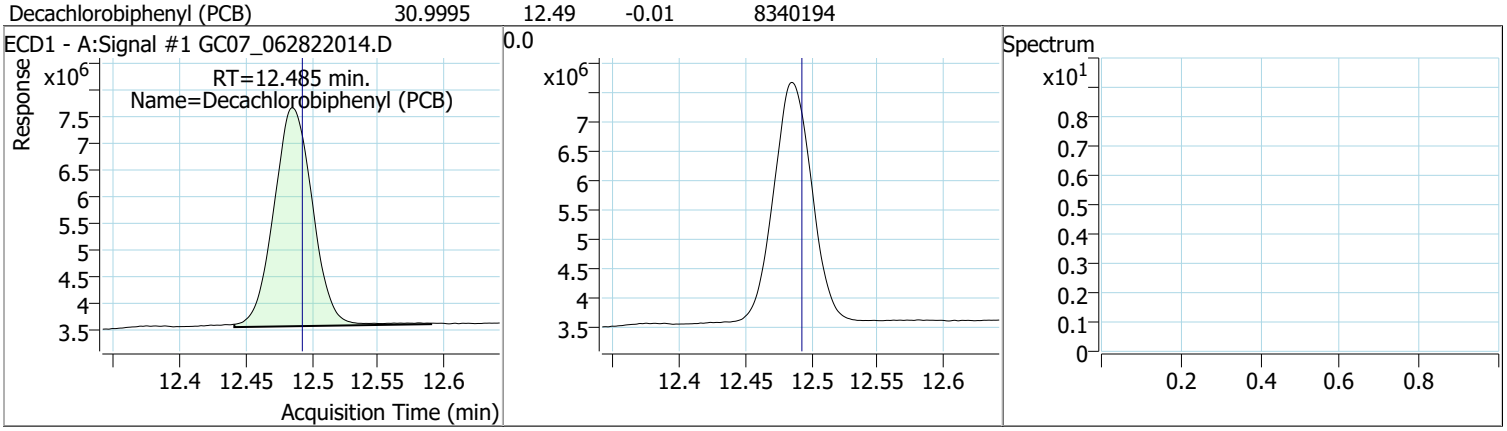
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	5.1548	11.37	-0.08	17366				



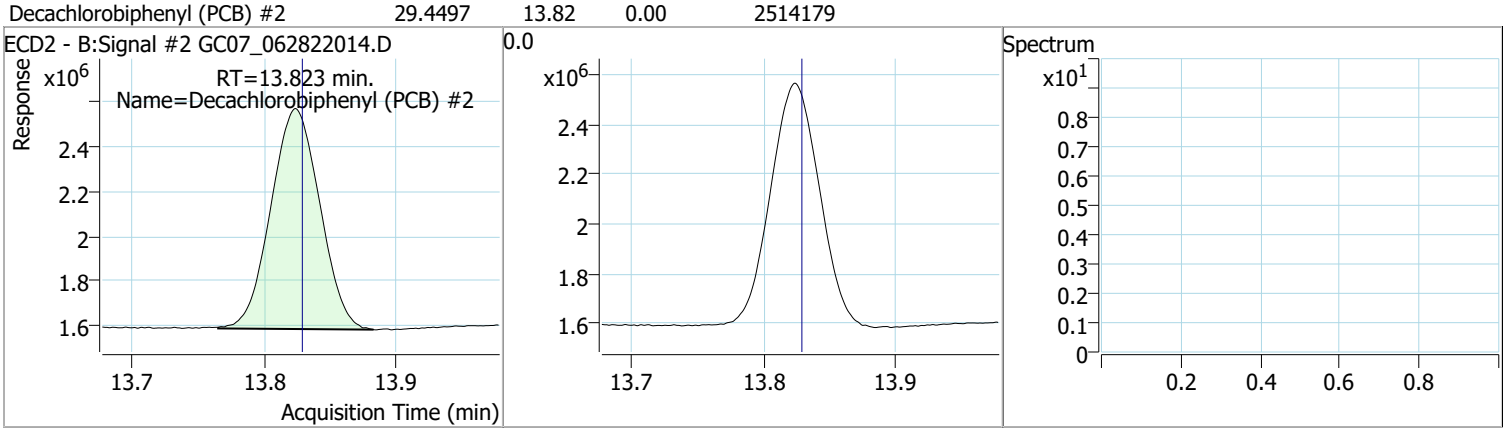
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	16.7216	12.14	-0.01	80952				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	30.9995	12.49	-0.01	8340194				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	29.4497	13.82	0.00	2514179				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	464405-012	Client ID:	DOOR-N-0.1GE-DG-14 TO 27-220615-P-LA
Seqnum:	462258436015.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_062822015	Batch:	291960	Time:	28-JUN-2022 14:58
Cal:	462252739001	Caldate:	25-JUN-2022		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	10.29	ug/L	ND	0.42	68%	1.0		u
Aroclor-1016 Peak # 1	B	10.85	ug/L	0.22	0.09	79%			
Aroclor-1016 Peak # 2	B	0.2970	ug/L	0.01	0.01	65%			
Aroclor-1016 Peak # 3	B	39.24	ug/L	0.78	0.69	12%			
Aroclor-1016 Peak # 4	B	0.6276	ug/L	0.01	0.14	167%			
Aroclor-1016 Peak # 5	B	0.4287	ug/L	0.01	1.16	197%			
Aroclor-1221	B			ND			1.0		u
Aroclor-1232	B			ND			1.0		u
Aroclor-1242	B			ND			1.0		u
Aroclor-1248	B			ND			1.0		u
Aroclor-1254	B			ND			1.0		u
Aroclor-1260	B	6.785	ug/L	ND	0.71	136%	1.0		u
Aroclor-1260 Peak # 1	B	0.3486	ug/L	0.01	0.73	196%			
Aroclor-1260 Peak # 2	B	14.70	ug/L	0.29	0.02	176%			
Aroclor-1260 Peak # 3	B	2.997	ug/L	0.06	0.11	61%			
Aroclor-1260 Peak # 4	B	5.626	ug/L	0.11	0.33	98%			
Aroclor-1260 Peak # 5	B	10.25	ug/L	0.20	2.38	168%			
Aroclor-1268	B			ND			1.0		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	35.01	pg/uL	1.000	0.7001	70	52-186	u
Decachlorobiphenyl (PCB)	B	30.11	pg/uL	1.000	0.6022	60	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_062822004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1389469	1595756	14.85
1-bromo-2-nitrobenzene (PCB)	A	5233508	5518706	5.45

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_062822004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.25	4.25	0.00

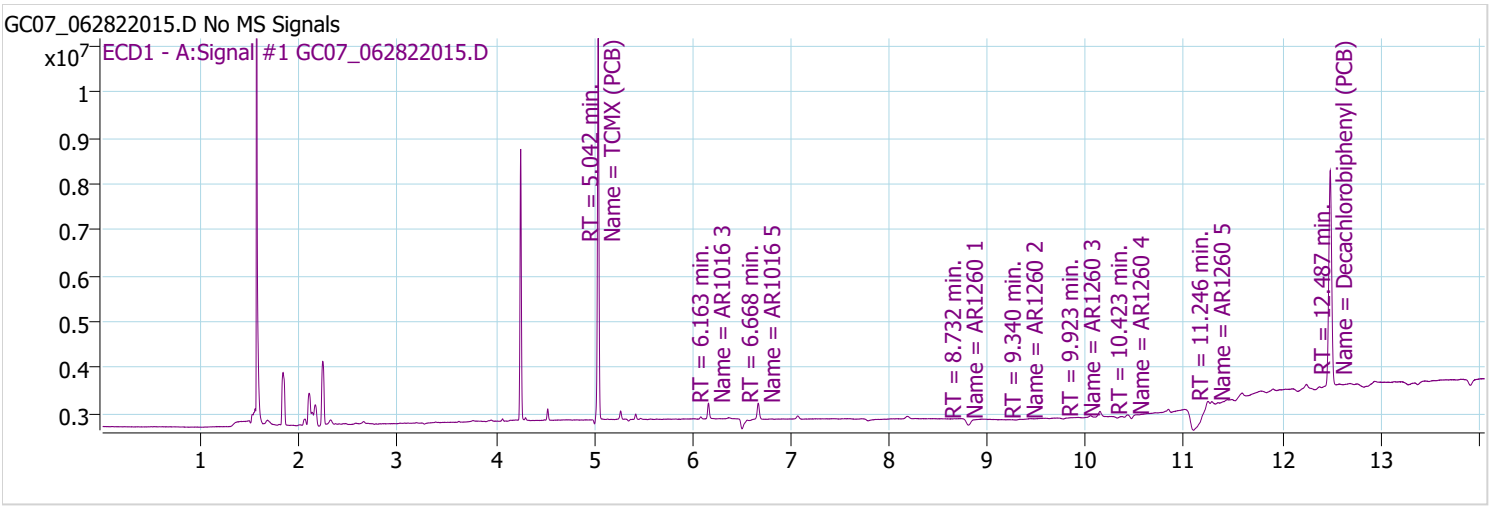
u=use

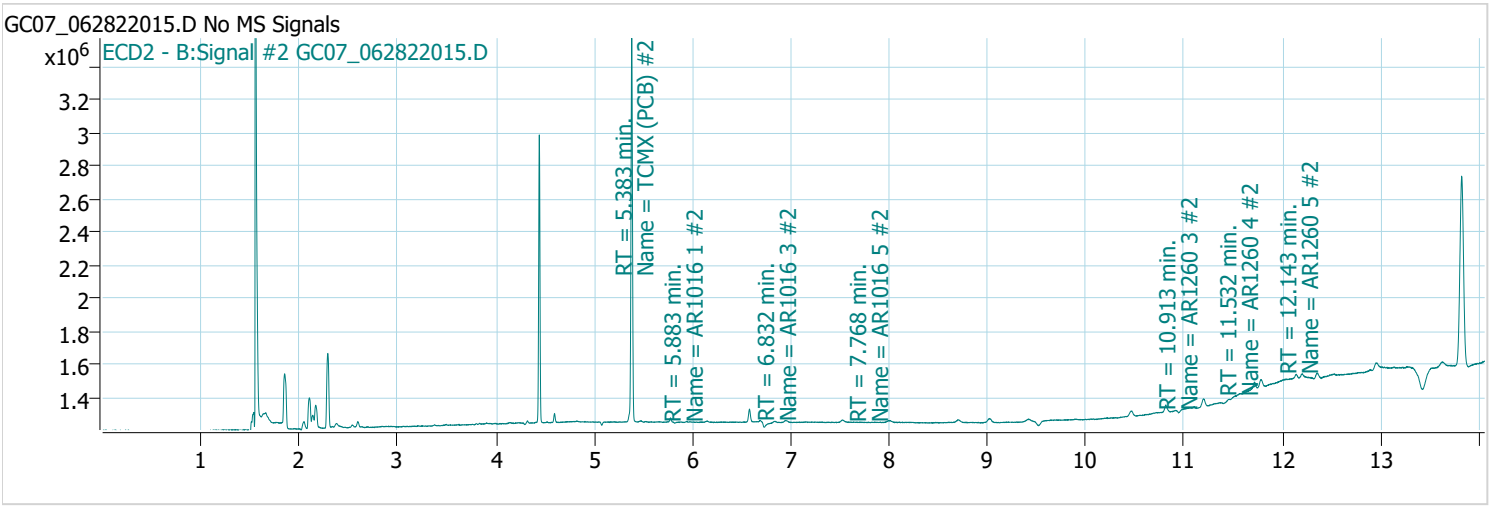
Analyst: TRN 06/28/22 *

Reviewer: SLL 06/28/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC07_062822015.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/28/2022 2:58:26 PM
Sample Name	464405-012, 291960, 1	Instrument	SVOA-GC07
Vial	9	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_2.m	Comment	Wipe/1s-20ml//3580 method
Tune File	ATUNE.U	Tune Date	
Batch Name	062822PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



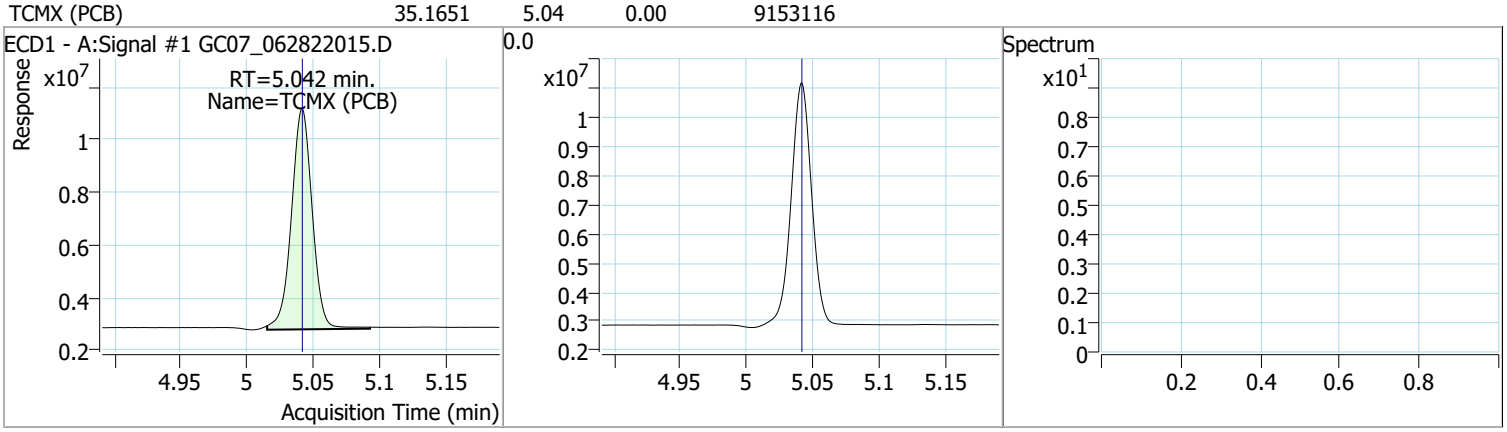


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.253	0.0	5518705.835	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.443	0.0	1595756.005	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.042	0.0	9153116.166	35.1651	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 175.83%		*	
S TCMX (PCB) #2	5.383	0.0	2533656.320	34.9857	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 174.93%		*	
S Decachlorobiphenyl (PCB)	12.487	0.0	9750384.763	31.6282	ng/ml		-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 158.14%		*	
S Decachlorobiphenyl (PCB) #2	13.823	0.0	2957120.216	30.0943	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 150.47%		*	
Target Compounds							QValue

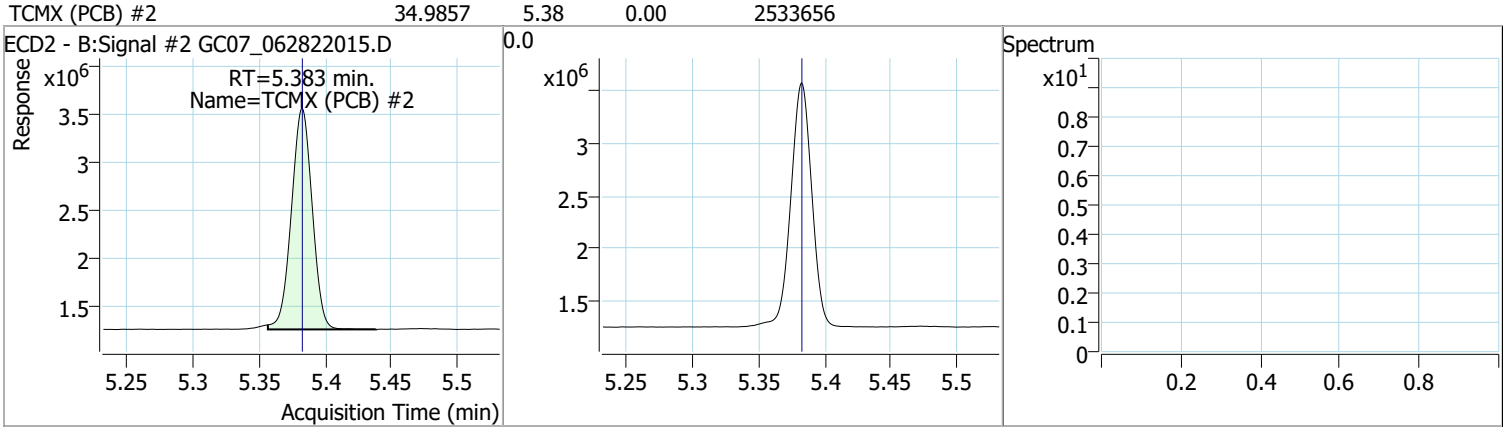
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.372	0.0	24951.301	4.7127	ng/ml	100
T AR1016 2	5.745	0.0	6660.698	0.5805	ng/ml	100
T AR1016 1 #2	5.883	0.0	17431.664	10.8473	ng/ml	100
T AR1016 3	6.163	0.0	459948.906	34.6148	ng/ml	100
T AR1016 2 #2	6.312	0.0	1038.702	0.2968	ng/ml	100
T AR1016 4	6.370	0.0	65988.361	6.9060	ng/ml	100
T AR1016 5	6.668	0.0	460520.941	57.8600	ng/ml	100
T AR1016 3 #2	6.832	0.0	157406.295	39.2147	ng/ml	100
T AR1016 4 #2	7.038	0.0	1747.402	0.6272	ng/ml	100
T AR1016 5 #2	7.768	0.0	997.069	0.4285	ng/ml	100
T AR1260 1	8.732	0.0	611080.544	36.3567	ng/ml	100
T AR1260 2	9.340	0.0	22196.795	0.9200	ng/ml	100
T AR1260 3	9.923	0.0	137969.668	5.6428	ng/ml	100
T AR1260 1 #2	10.221	0.0	1760.683	0.3484	ng/ml	100
T AR1260 4	10.423	0.0	205067.542	16.4062	ng/ml	100
T AR1260 2 #2	10.463	0.0	82517.973	14.6965	ng/ml	100
T AR1260 3 #2	10.913	0.0	20700.287	2.9953	ng/ml	100
T AR1260 5	11.246	0.0	1362958.428	118.7704	ng/ml	100
T AR1260 4 #2	11.532	0.0	21803.677	5.6231	ng/ml	100
T AR1260 5 #2	12.143	0.0	57064.803	10.2412	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

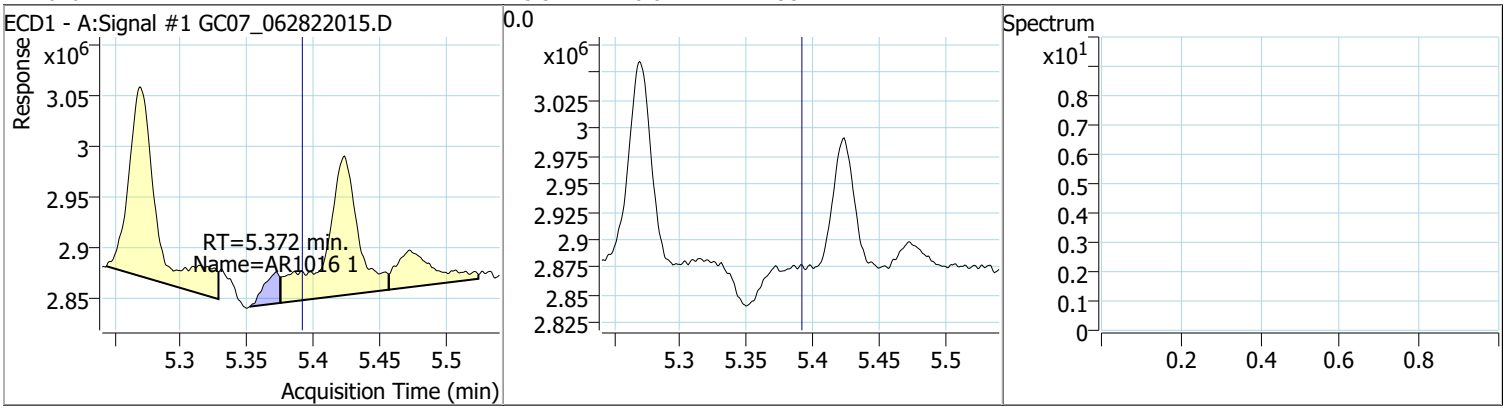
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	35.1651	5.04	0.00	9153116				



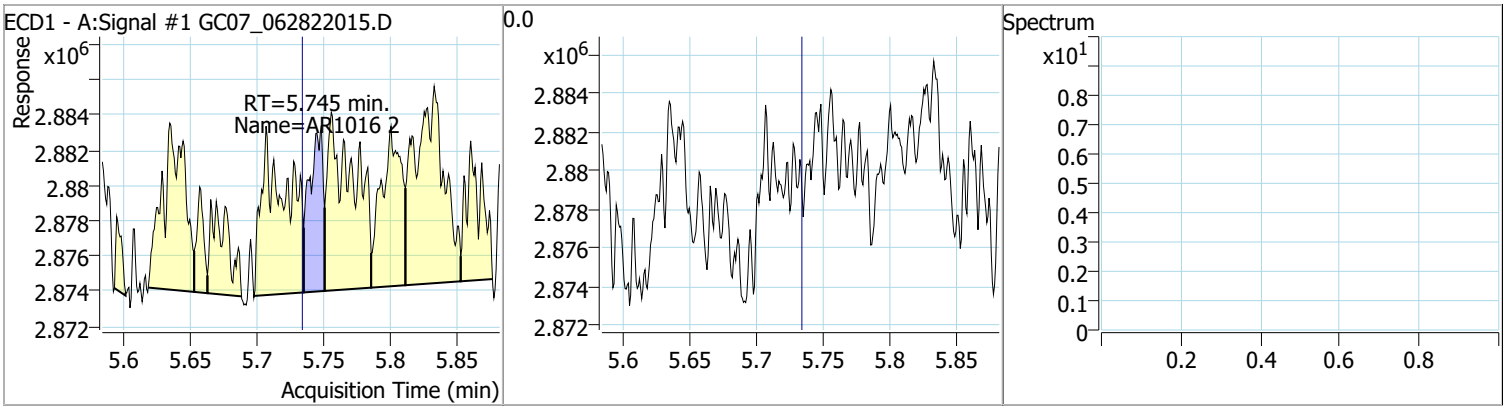
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	34.9857	5.38	0.00	2533656				



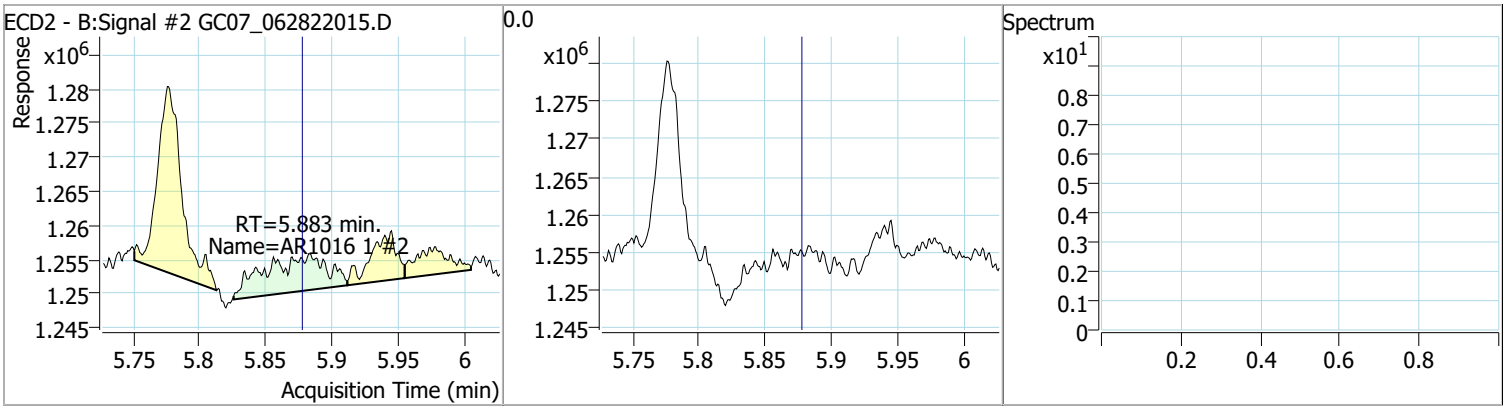
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	4.7127	5.37	-0.02	24951				



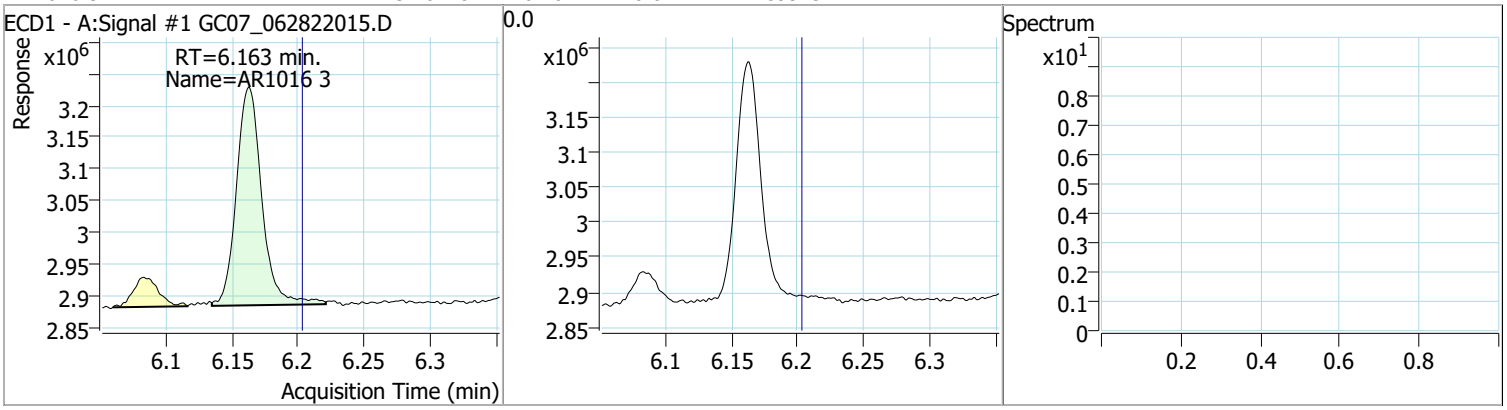
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.5805	5.75	0.01	6661				



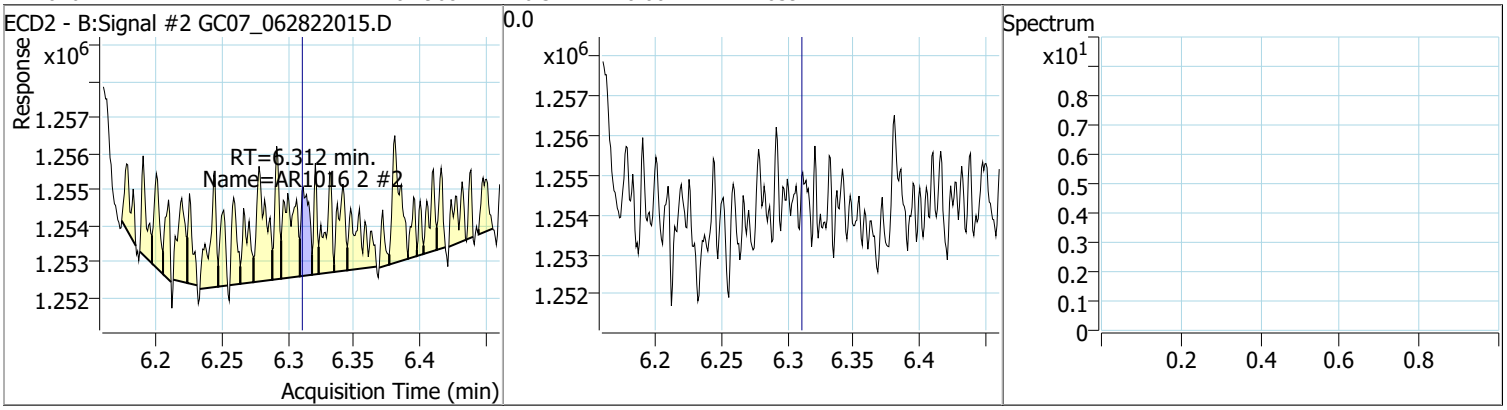
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	10.8473	5.88	0.01	17432				



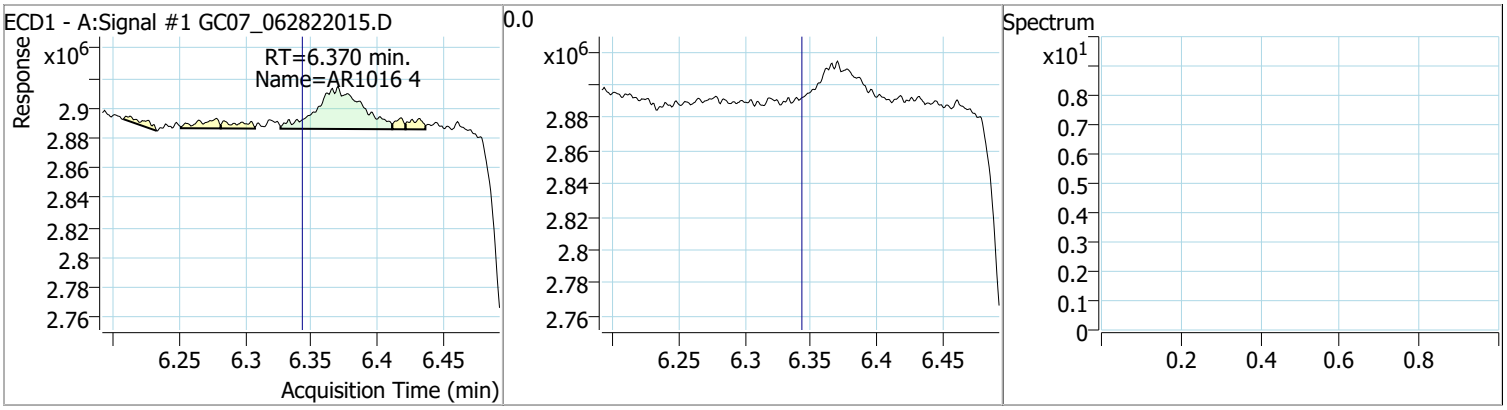
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	34.6148	6.16	-0.04	459949				



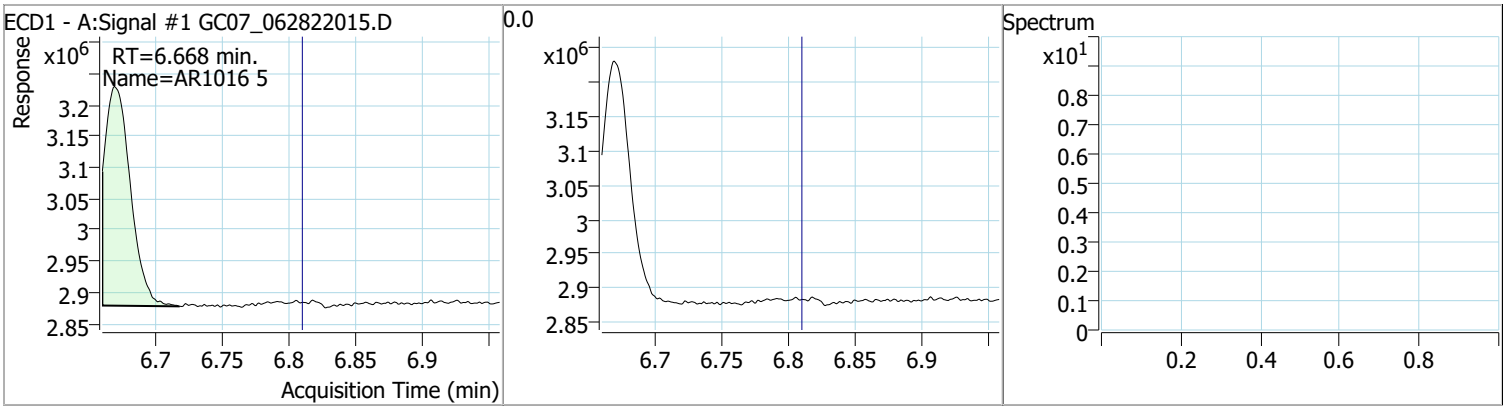
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	0.2968	6.31	0.00	1039				



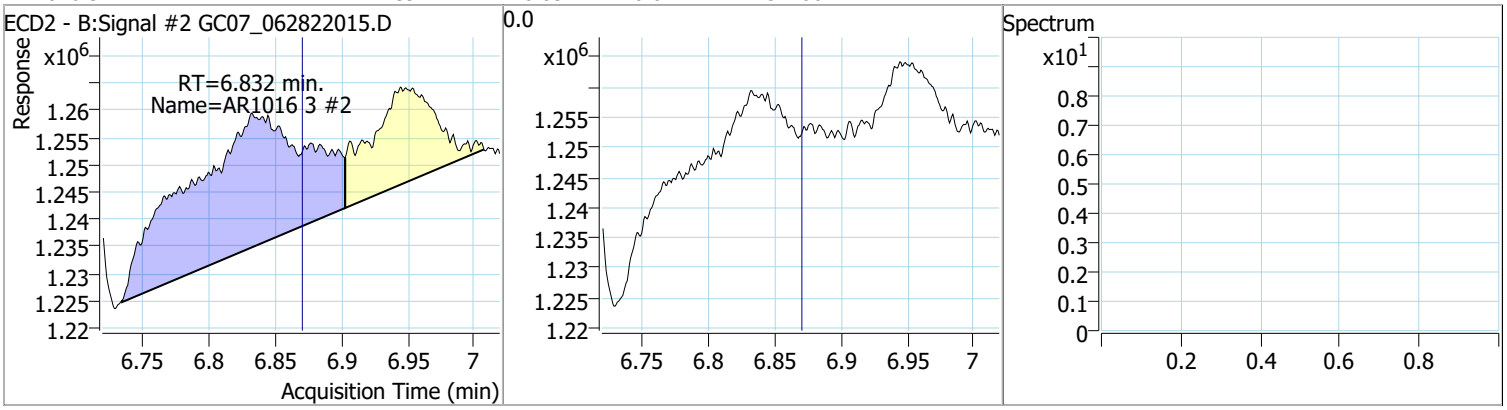
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	6.9060	6.37	0.03	65988				



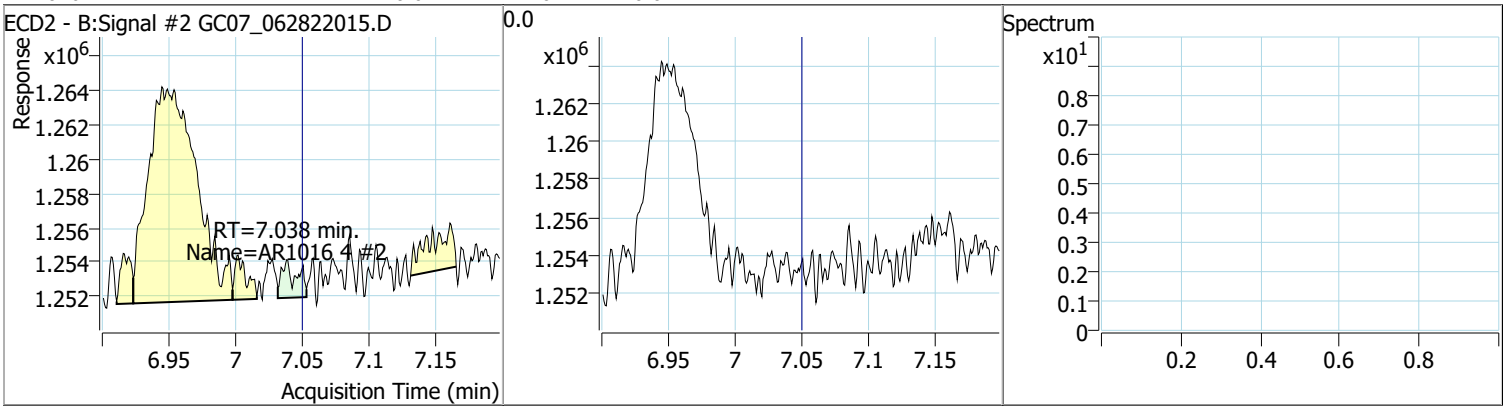
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	57.8600	6.67	-0.14	460521				



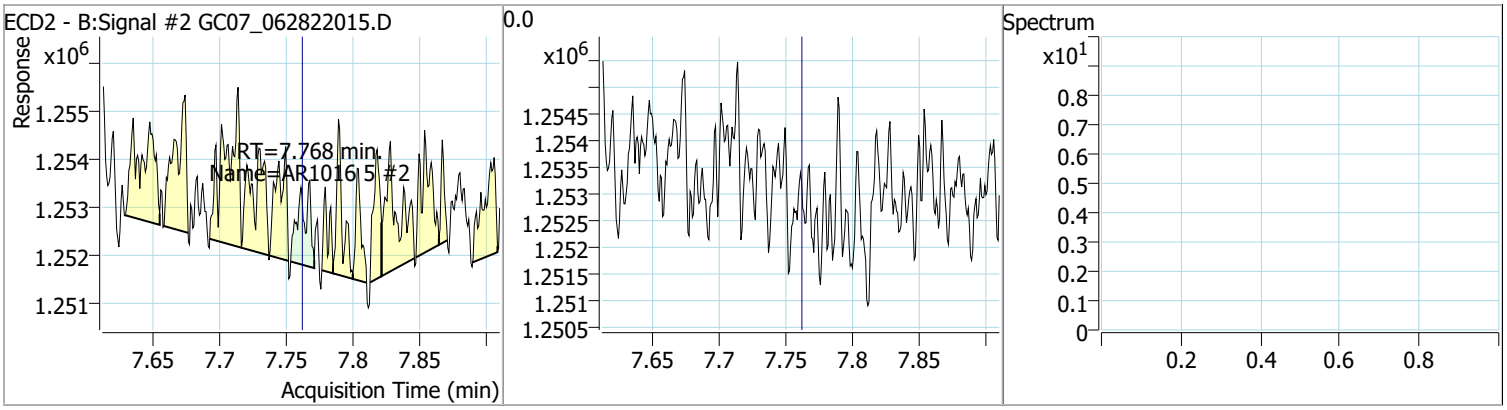
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	39.2147	6.83	-0.04	157406				



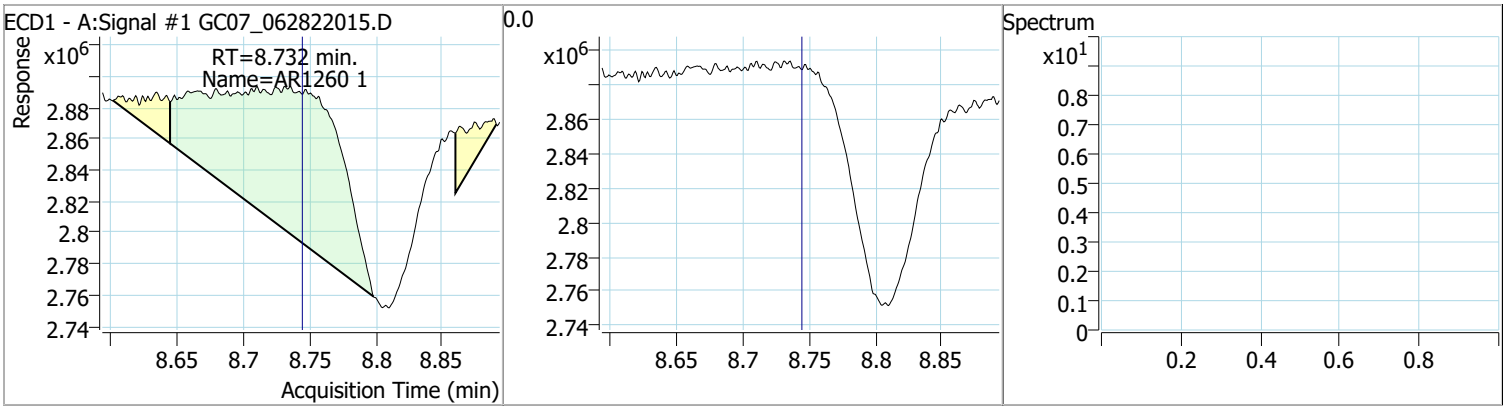
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.6272	7.04	-0.01	1747				



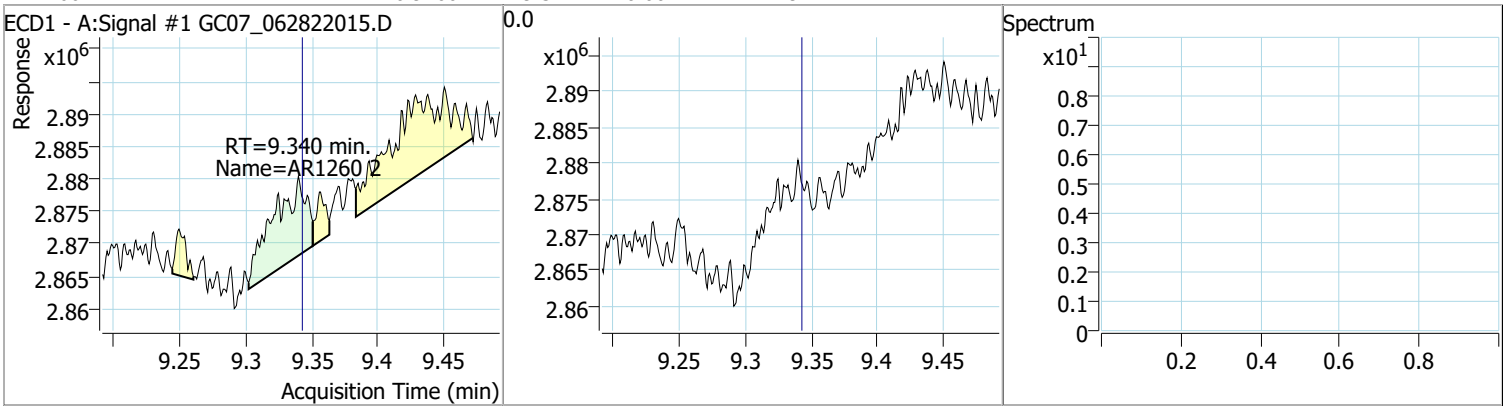
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.4285	7.77	0.01	997				



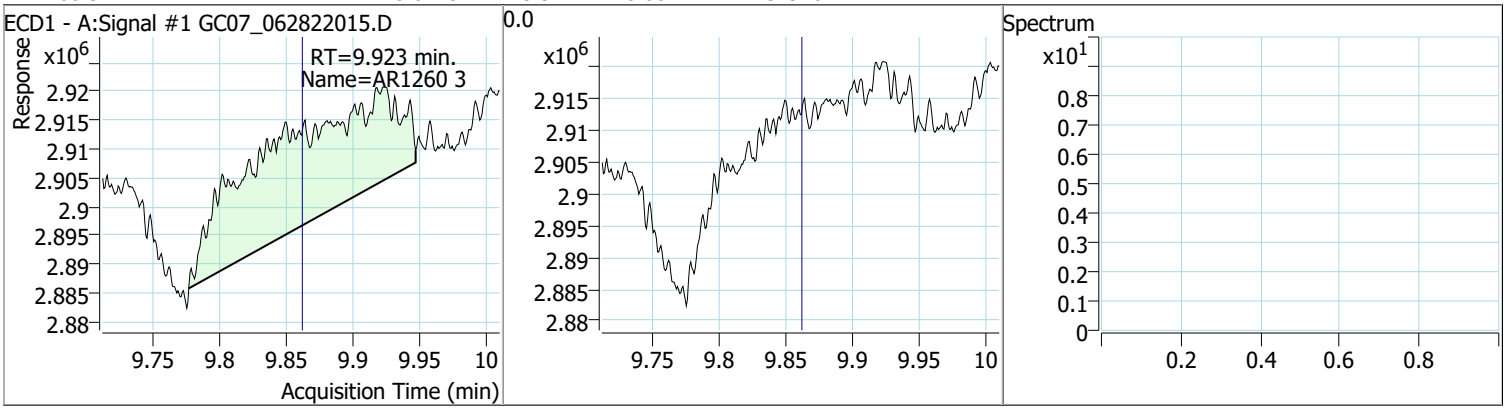
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	36.3567	8.73	-0.01	611081				



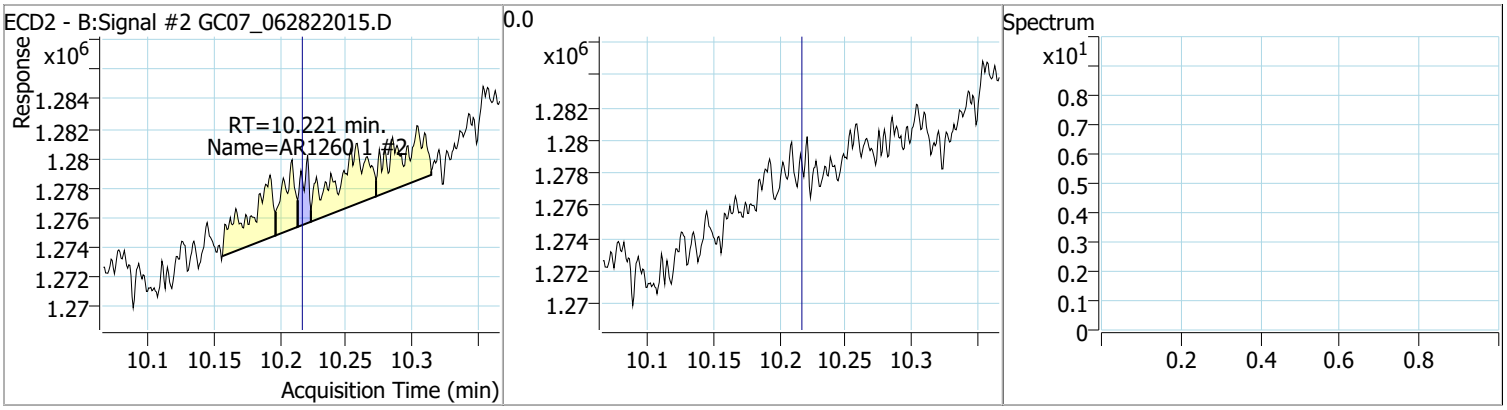
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.9200	9.34	0.00	22197				



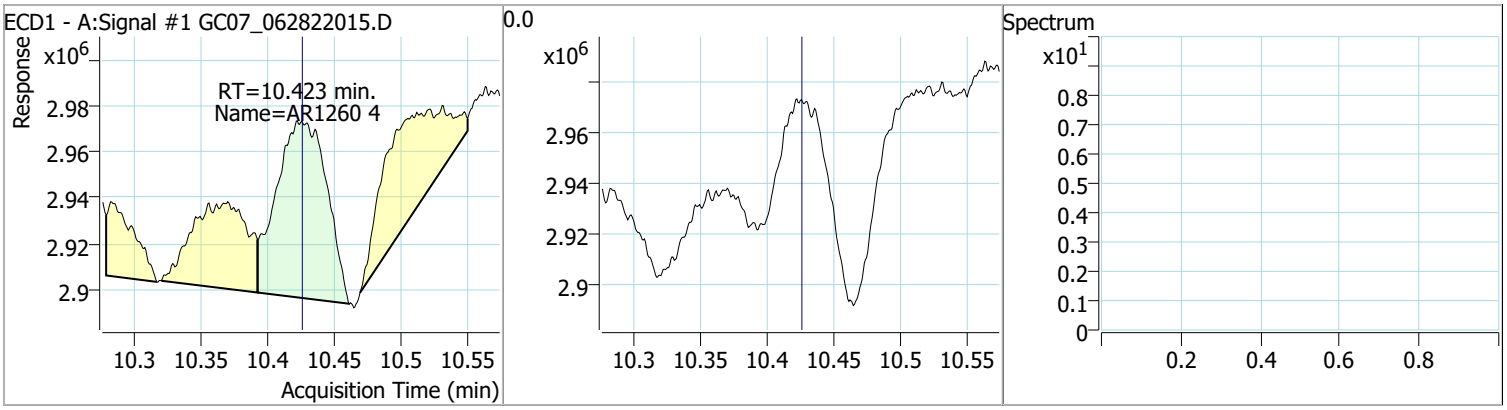
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	5.6428	9.92	0.06	137970				



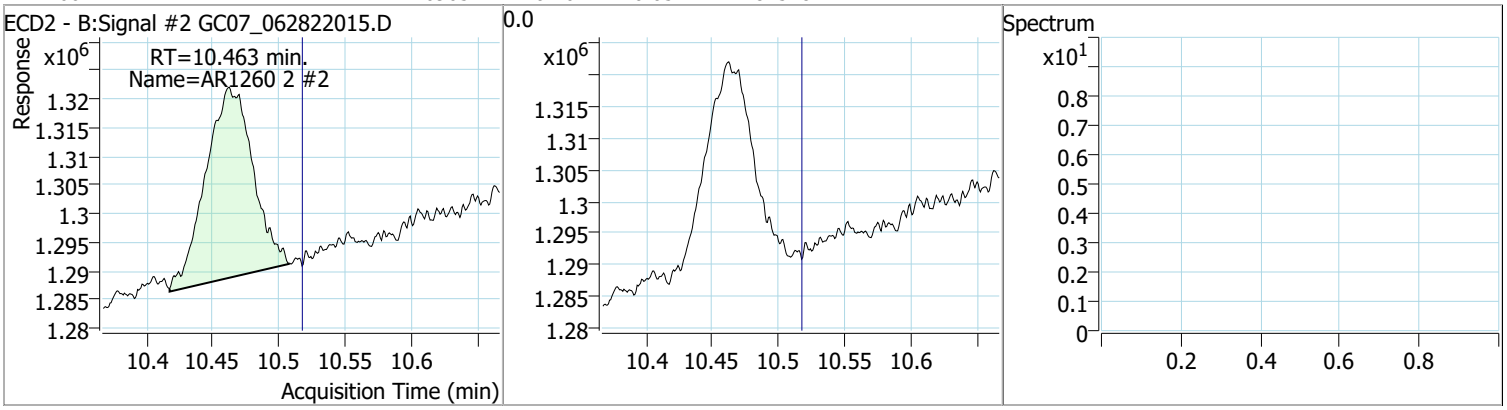
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	0.3484	10.22	0.01	1761				



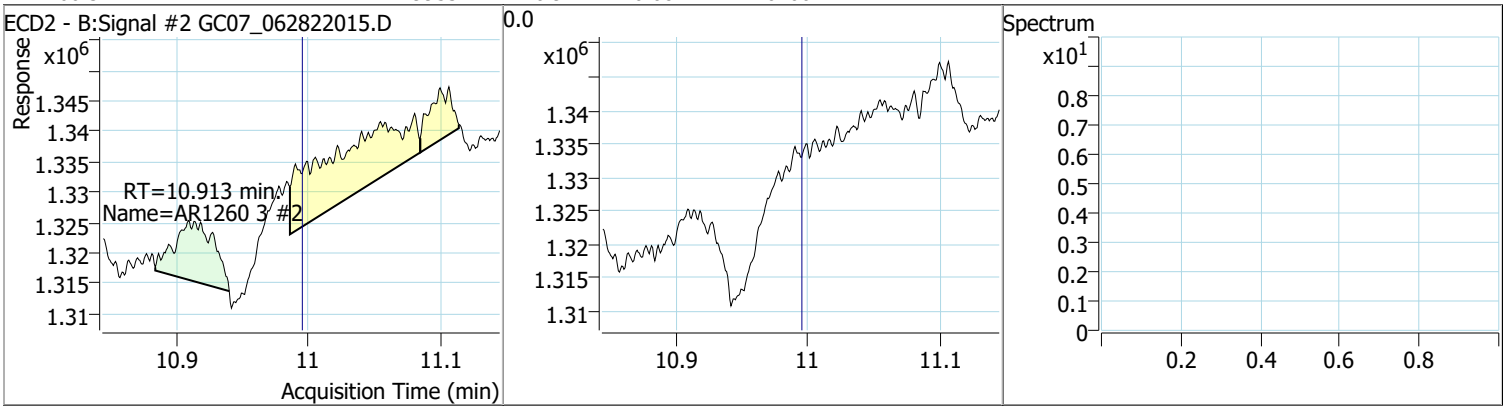
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	16.4062	10.42	0.00	205068				



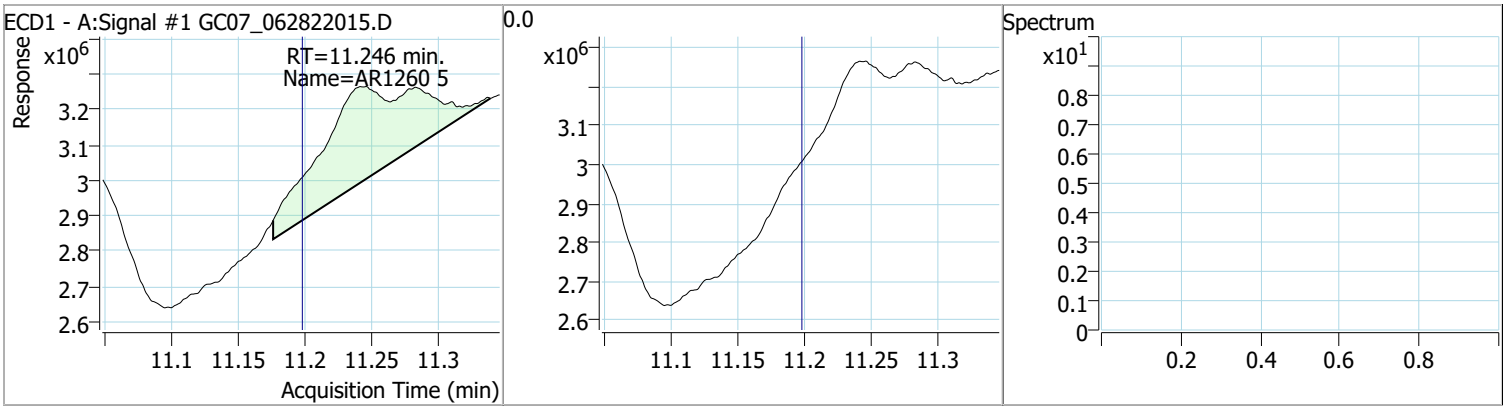
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	14.6965	10.46	-0.05	82518				



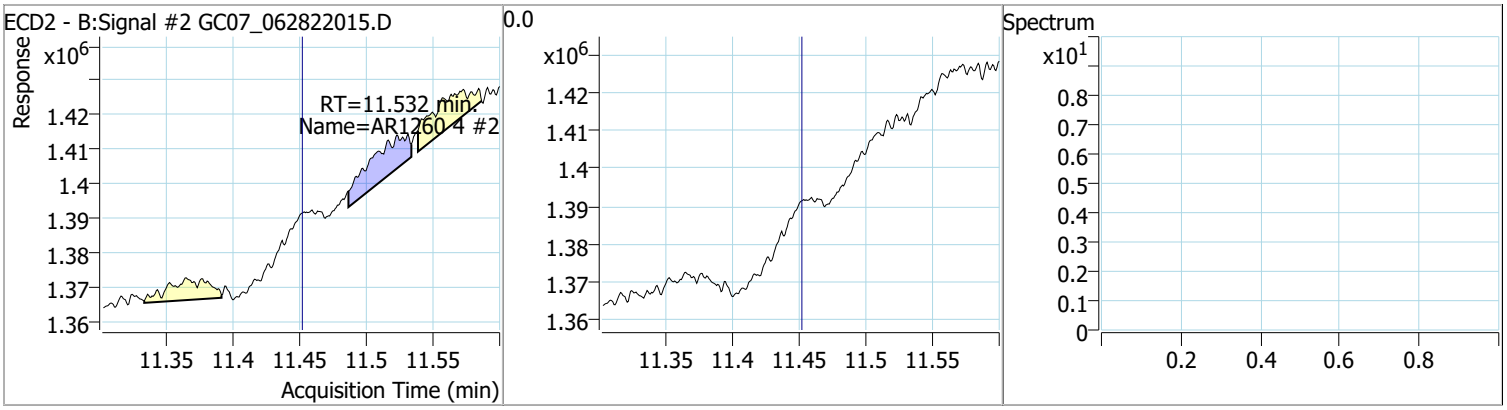
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	2.9953	10.91	-0.08	20700				



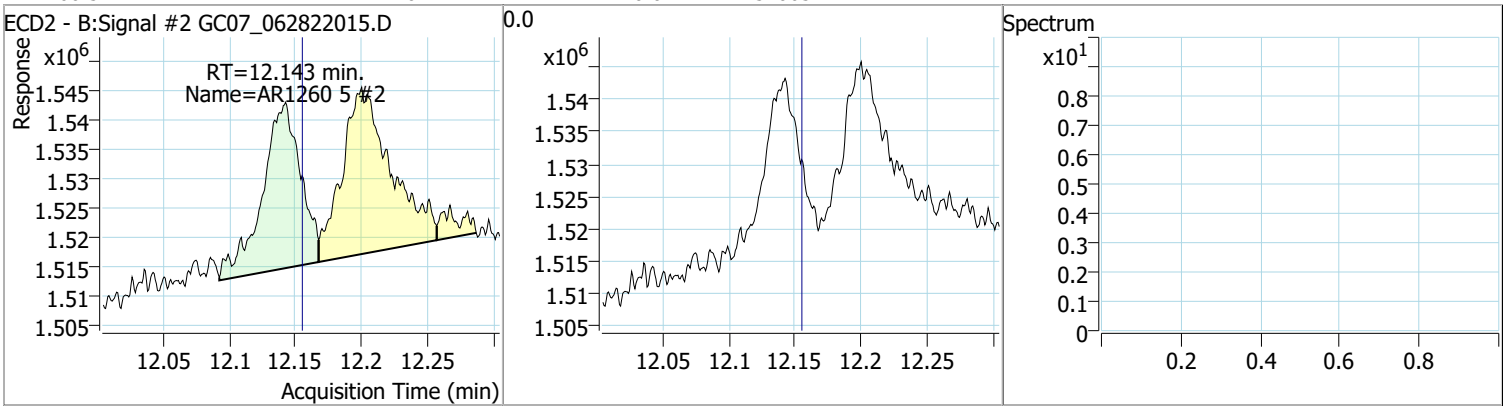
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	118.7704	11.25	0.05	1362958				



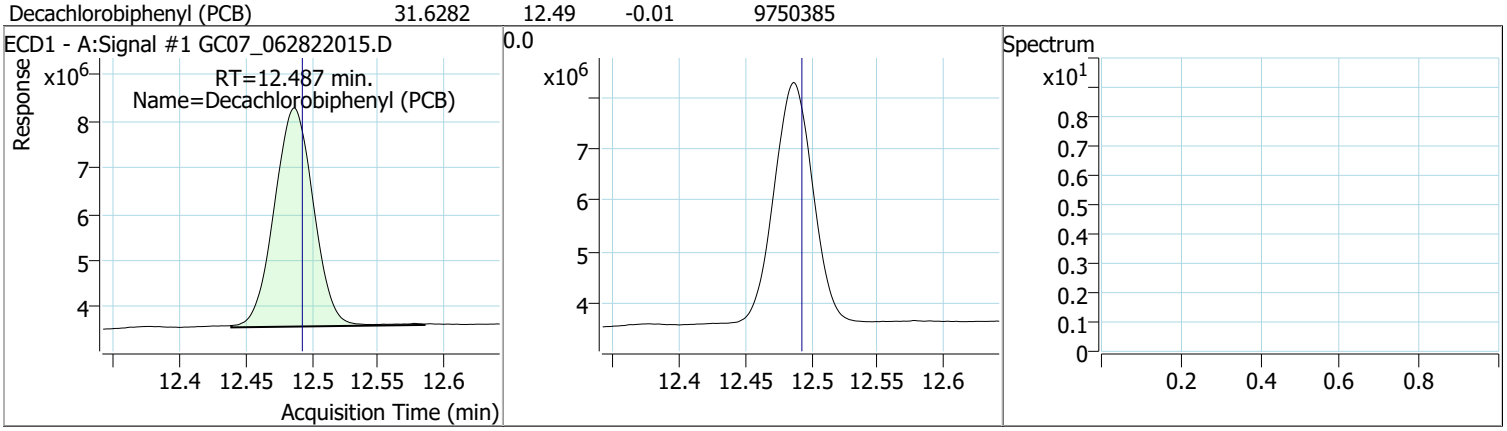
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	5.6231	11.53	0.08	21804				



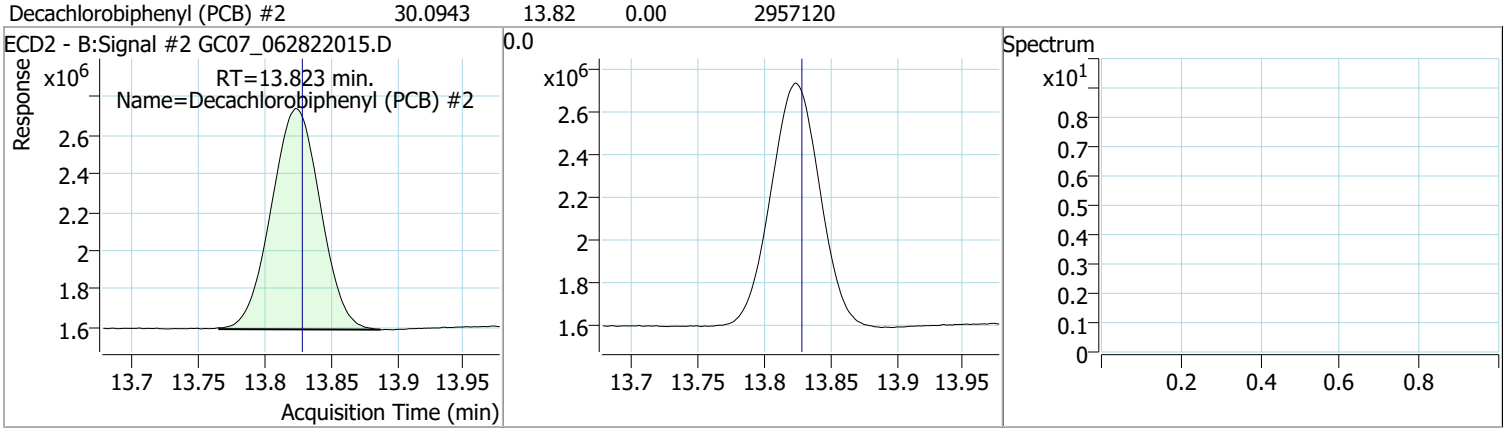
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	10.2412	12.14	-0.01	57065				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	31.6282	12.49	-0.01	9750385				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	30.0943	13.82	0.00	2957120				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	464405-014	Client ID:	DOOR-N-0.9GE-PS-26-220615-P-LA
Seqnum:	462258436016.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_062822016	Batch:	291960	Time:	28-JUN-2022 15:15
Cal:	462252739001	Caldate:	25-JUN-2022		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	8.721	ug/L	ND	0.69	119%	1.0		u
Aroclor-1016 Peak # 1	B	8.826	ug/L	0.18	1.11	145%			
Aroclor-1016 Peak # 2	B	0.2244	ug/L	0.00	0.01	63%			
Aroclor-1016 Peak # 3	B	33.10	ug/L	0.66	1.17	55%			
Aroclor-1016 Peak # 4	B	0.9462	ug/L	0.02	0.12	144%			
Aroclor-1016 Peak # 5	B	0.5130	ug/L	0.01	1.05	196%			
Aroclor-1221	B			ND			1.0		u
Aroclor-1232	B			ND			1.0		u
Aroclor-1242	B			ND			1.0		u
Aroclor-1248	B			ND			1.0		u
Aroclor-1254	B			ND			1.0		u
Aroclor-1260	B	4.668	ug/L	ND	1.0	166%	1.0		u
Aroclor-1260 Peak # 1	B	1.868	ug/L	0.04	0.81	182%			
Aroclor-1260 Peak # 2	B	0.8120	ug/L	0.02	0.01	30%			
Aroclor-1260 Peak # 3	B	4.142	ug/L	0.08	0.14	51%			
Aroclor-1260 Peak # 4	B	1.989	ug/L	0.04	0.39	163%			
Aroclor-1260 Peak # 5	B	14.53	ug/L	0.29	3.72	171%			
Aroclor-1268	B			ND			1.0		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	32.51	pg/uL	1.000	0.6503	65	52-186	u
Decachlorobiphenyl (PCB)	B	28.17	pg/uL	1.000	0.5634	56	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_062822004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1389469	1368143	-1.53
1-bromo-2-nitrobenzene (PCB)	A	5233508	4731126	-9.60

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_062822004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.25	4.25	0.00

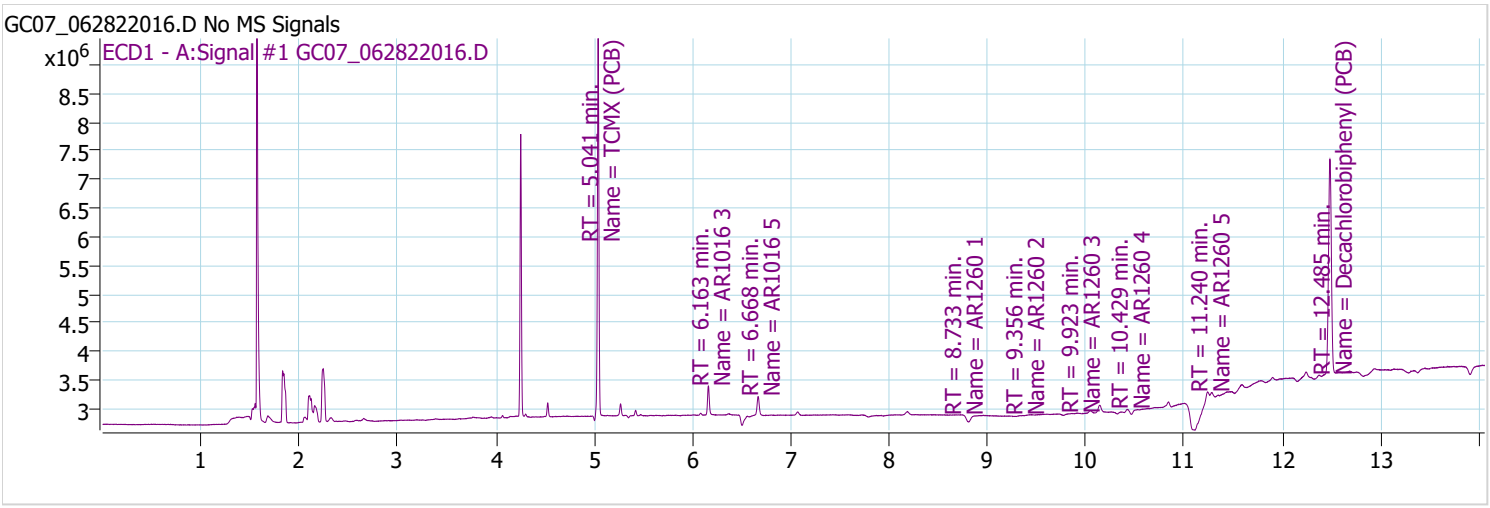
u=use

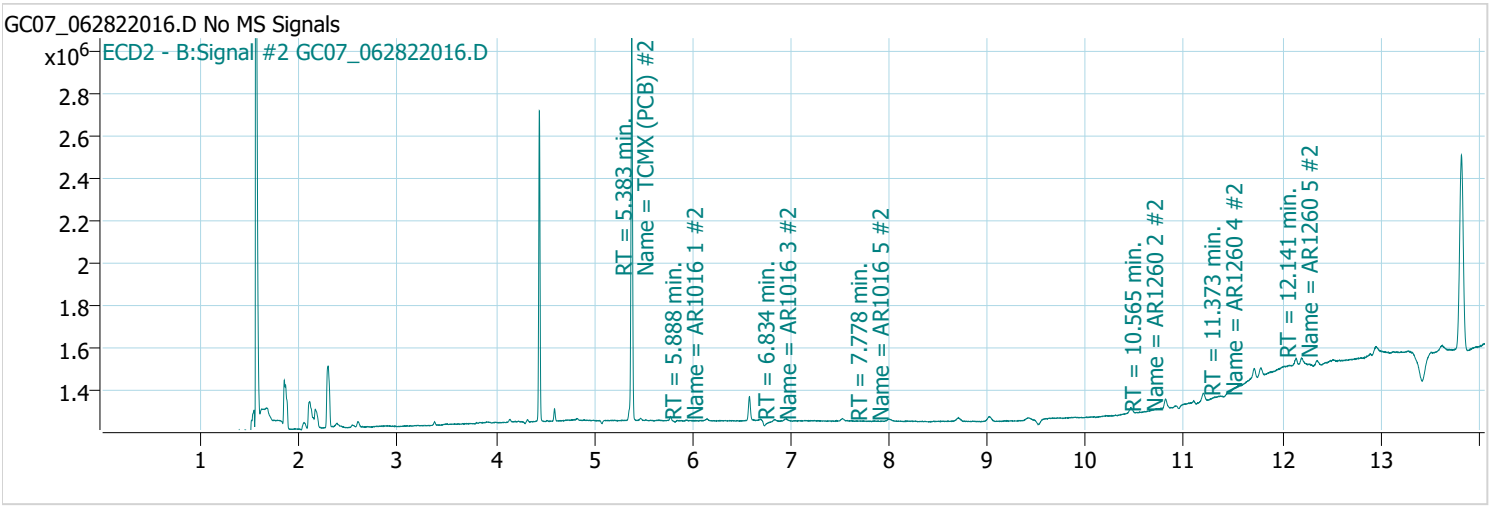
Analyst: TRN 06/28/22 *

Reviewer: SLL 06/28/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC07_062822016.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/28/2022 3:15:59 PM
Sample Name	464405-014, 291960, 1	Instrument	SVOA-GC07
Vial	10	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_2.m	Comment	Wipe/1s-20ml//3580 method
Tune File	ATUNE.U	Tune Date	
Batch Name	062822PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



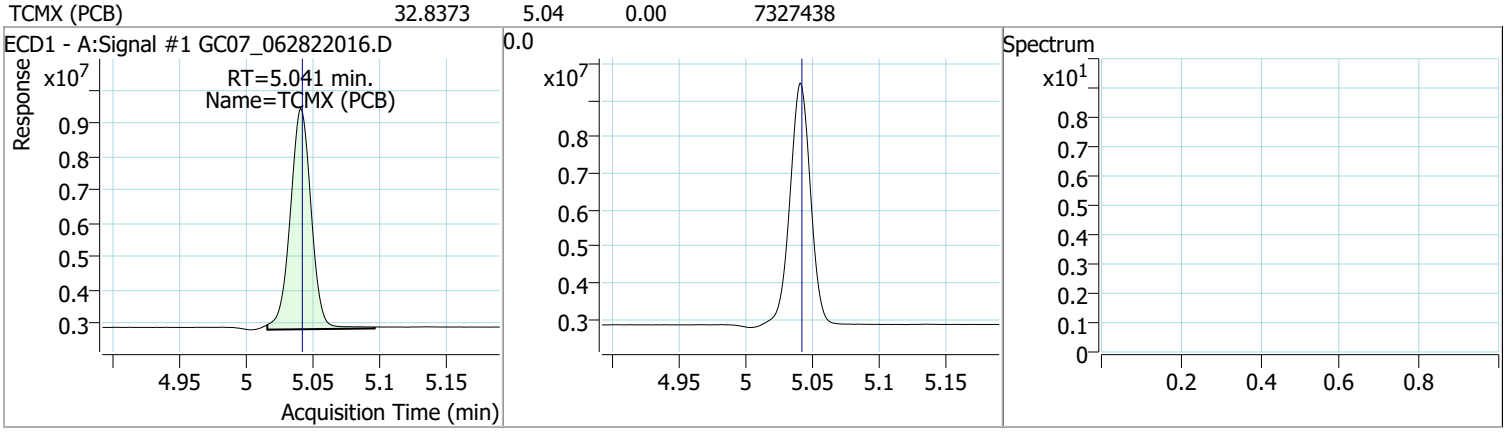


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.254	0.0	4731126.108	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.443	0.0	1368142.919	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.041	0.0	7327438.411	32.8373	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 164.19%		*	
S TCMX (PCB) #2	5.383	0.0	2017676.739	32.4960	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 162.48%		*	
S Decachlorobiphenyl (PCB)	12.485	0.0	7844011.234	29.6800	ng/ml		-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 148.40%			
S Decachlorobiphenyl (PCB) #2	13.823	0.0	2371798.771	28.1533	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 140.77%			
Target Compounds							QValue

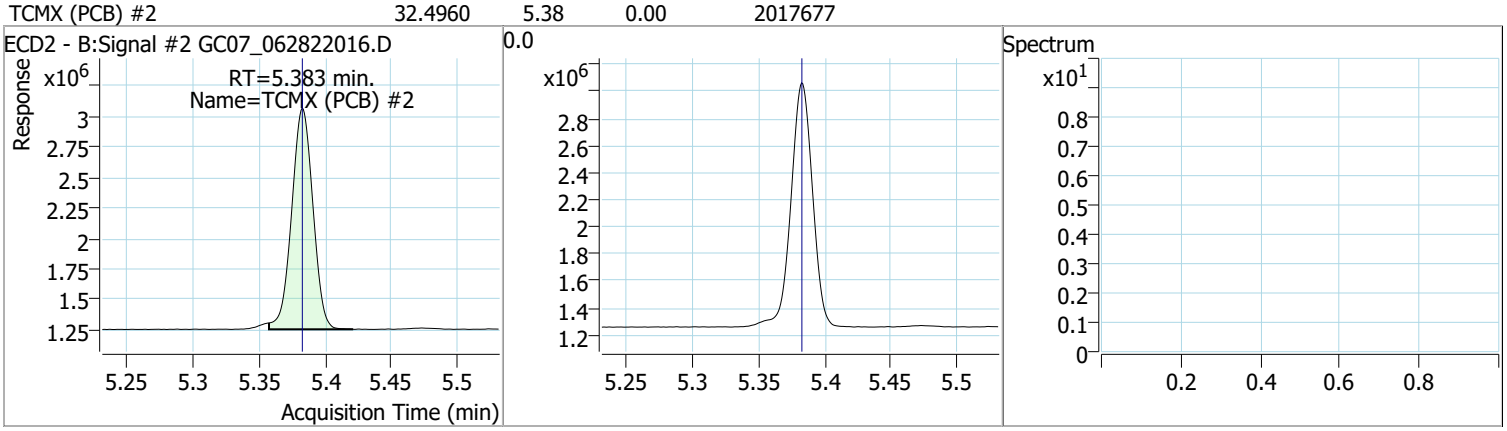
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.422	0.0	252238.659	55.5730	ng/ml	100
T AR1016 2	5.738	0.0	4215.297	0.4285	ng/ml	100
T AR1016 1 #2	5.888	0.0	12154.293	8.8216	ng/ml	100
T AR1016 3	6.163	0.0	665934.073	58.4596	ng/ml	100
T AR1016 2 #2	6.313	0.0	672.996	0.2243	ng/ml	100
T AR1016 4	6.370	0.0	47251.077	5.7682	ng/ml	100
T AR1016 5	6.668	0.0	357954.916	52.4602	ng/ml	100
T AR1016 3 #2	6.834	0.0	113839.581	33.0792	ng/ml	100
T AR1016 4 #2	7.048	0.0	2258.854	0.9457	ng/ml	100
T AR1016 5 #2	7.778	0.0	1023.084	0.5128	ng/ml	100
T AR1260 1	8.733	0.0	579948.198	40.2483	ng/ml	100
T AR1260 2	9.356	0.0	12402.158	0.5996	ng/ml	100
T AR1260 3	9.923	0.0	145547.357	6.9436	ng/ml	100
T AR1260 1 #2	10.219	0.0	8089.060	1.8669	ng/ml	100
T AR1260 4	10.429	0.0	206171.198	19.2403	ng/ml	100
T AR1260 2 #2	10.565	0.0	3906.894	0.8116	ng/ml	100
T AR1260 3 #2	10.923	0.0	24527.632	4.1395	ng/ml	100
T AR1260 5	11.240	0.0	1828409.194	185.8539	ng/ml	100
T AR1260 4 #2	11.373	0.0	6607.639	1.9876	ng/ml	100
T AR1260 5 #2	12.141	0.0	69366.281	14.5200	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

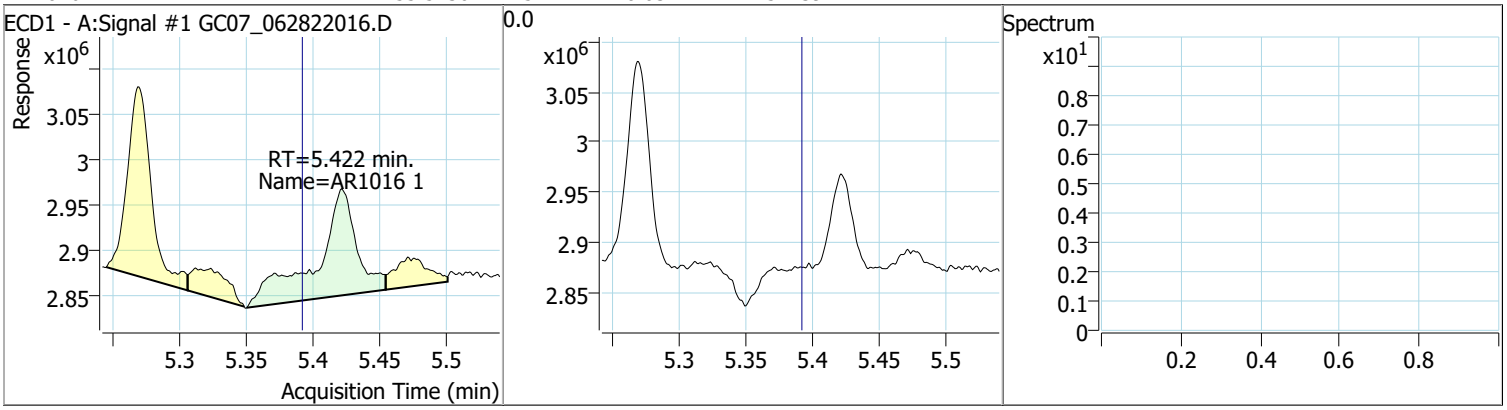
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	32.8373	5.04	0.00	7327438				



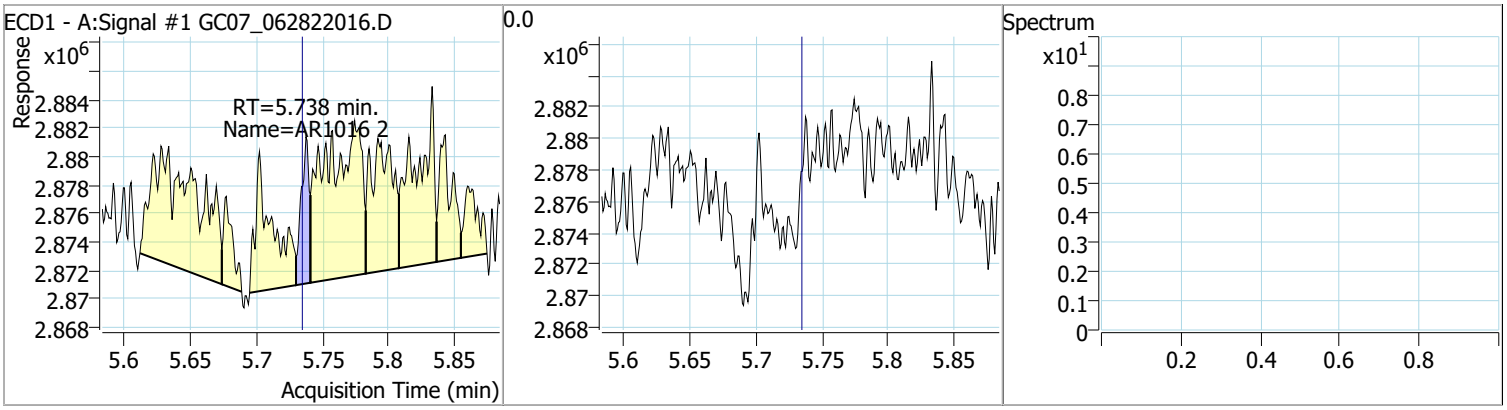
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	32.4960	5.38	0.00	2017677				



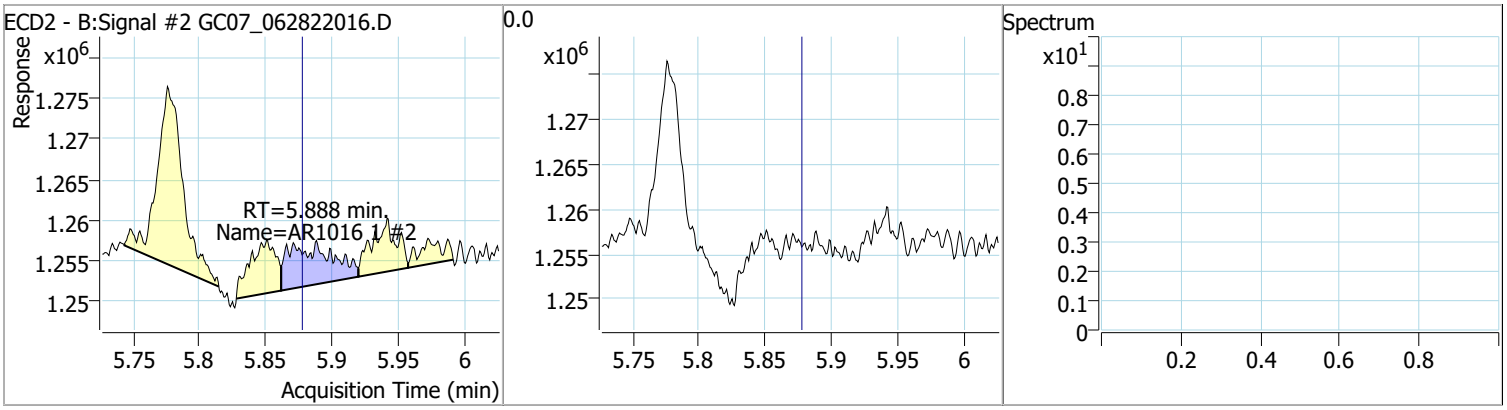
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	55.5730	5.42	0.03	252239				



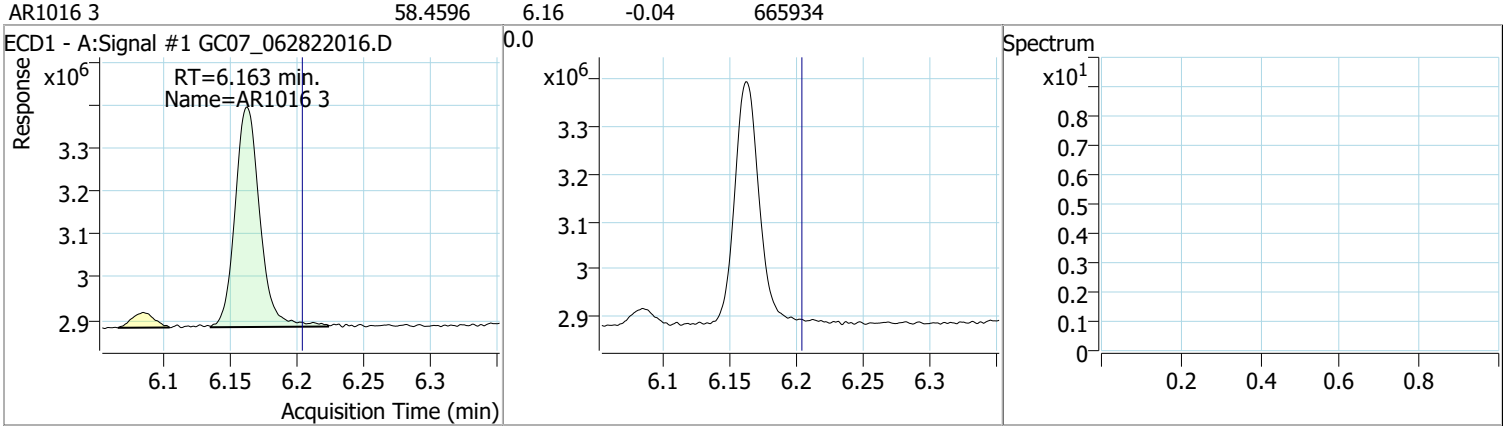
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.4285	5.74	0.00	4215				



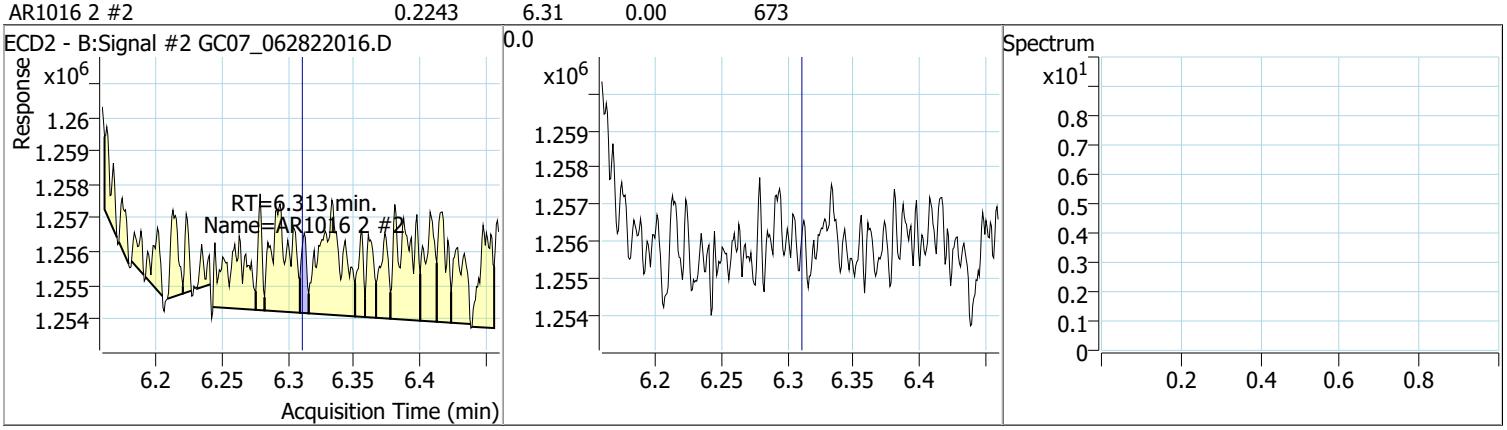
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	8.8216	5.89	0.01	12154				



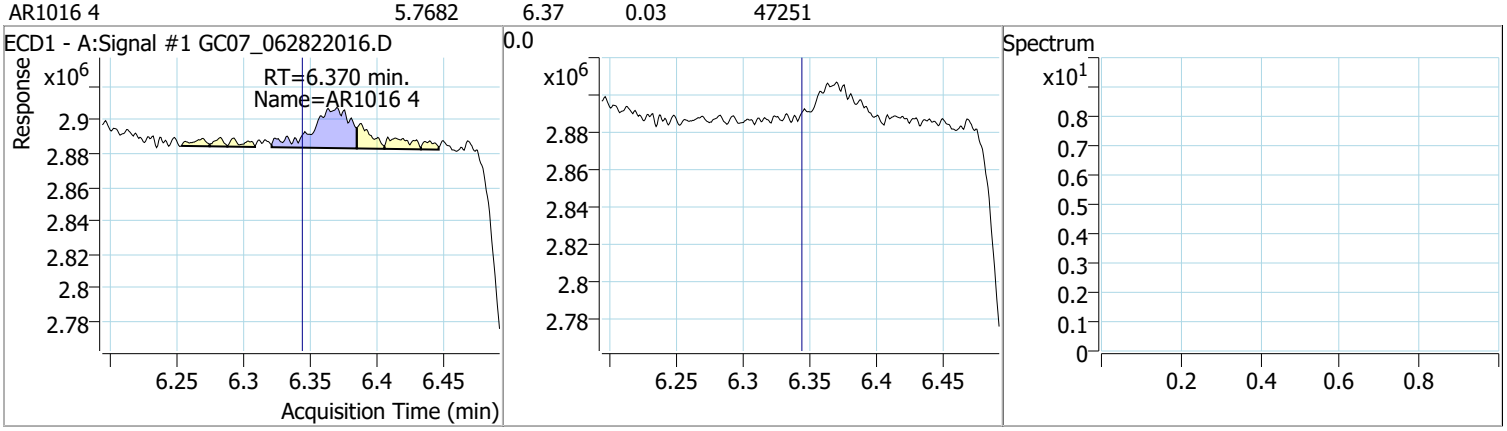
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	58.4596	6.16	-0.04	665934				



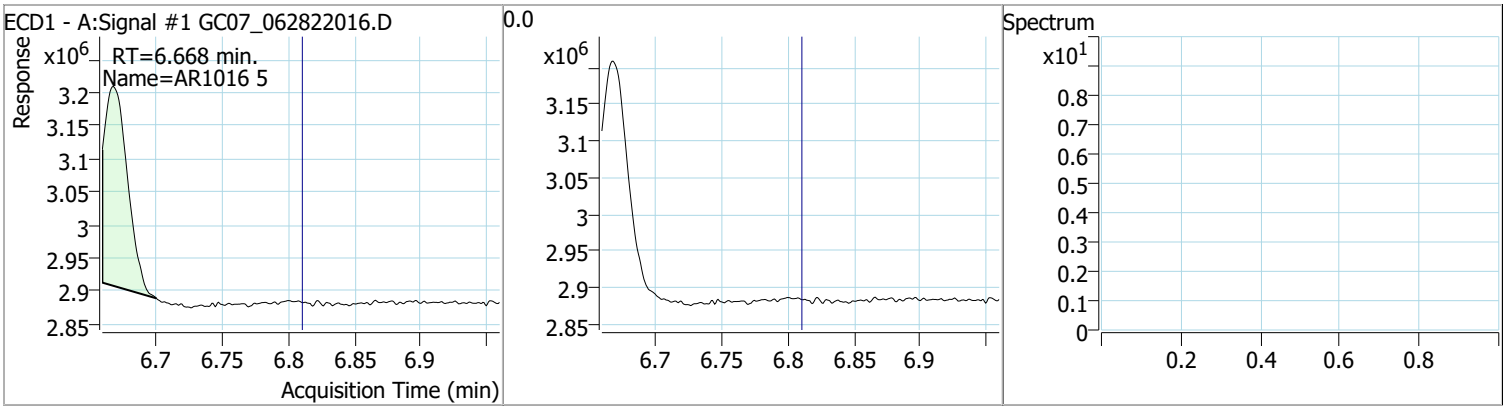
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	0.2243	6.31	0.00	673				



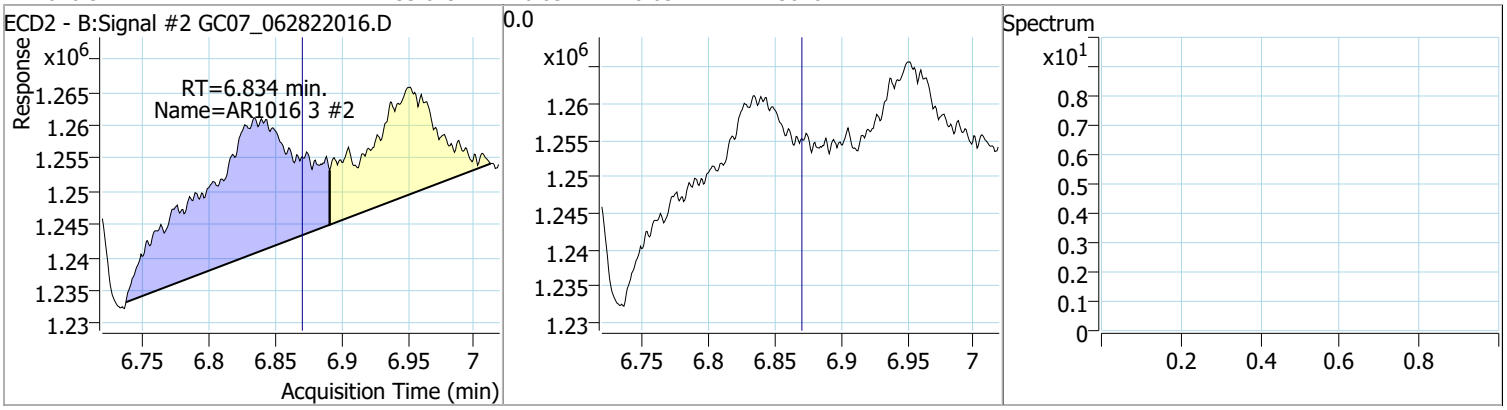
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	5.7682	6.37	0.03	47251				



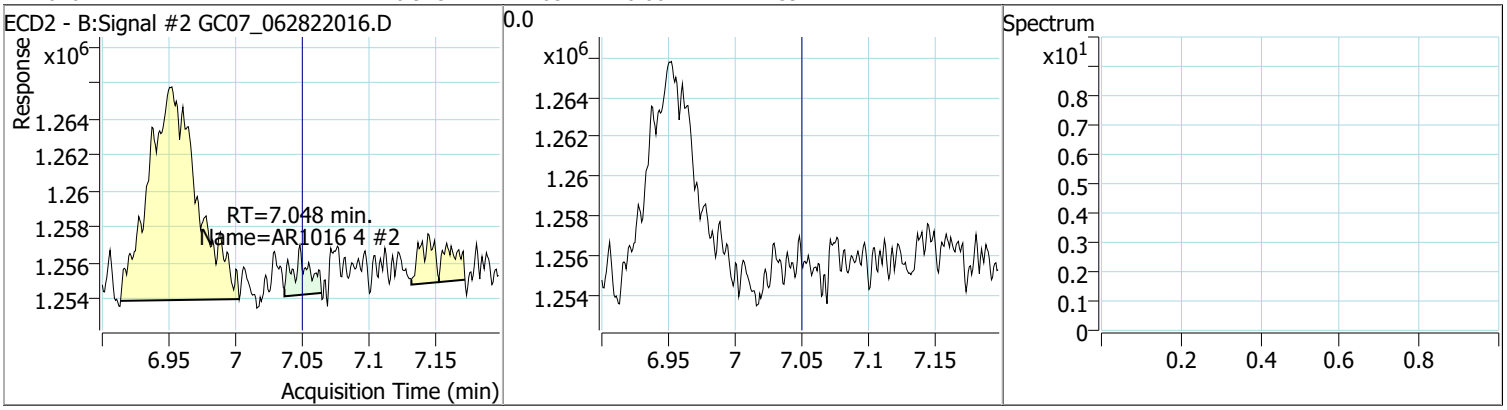
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	52.4602	6.67	-0.14	357955				



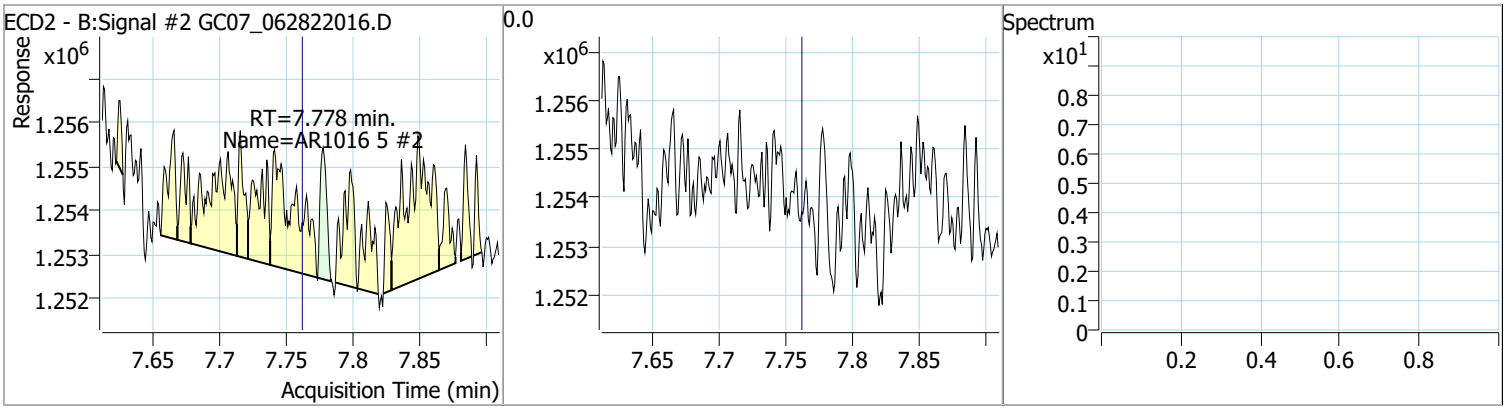
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	33.0792	6.83	-0.03	113840				



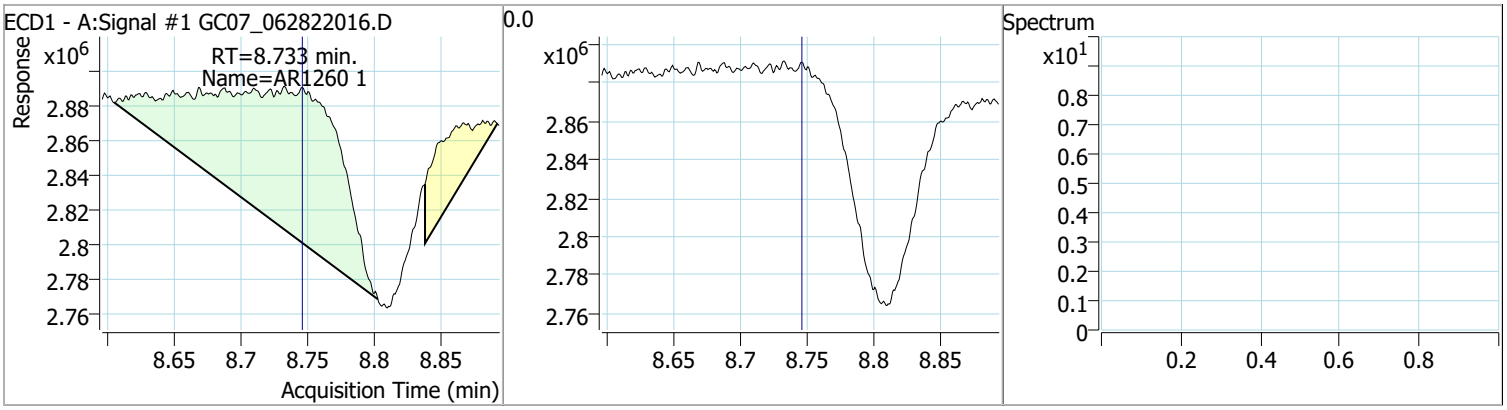
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.9457	7.05	0.00	2259				



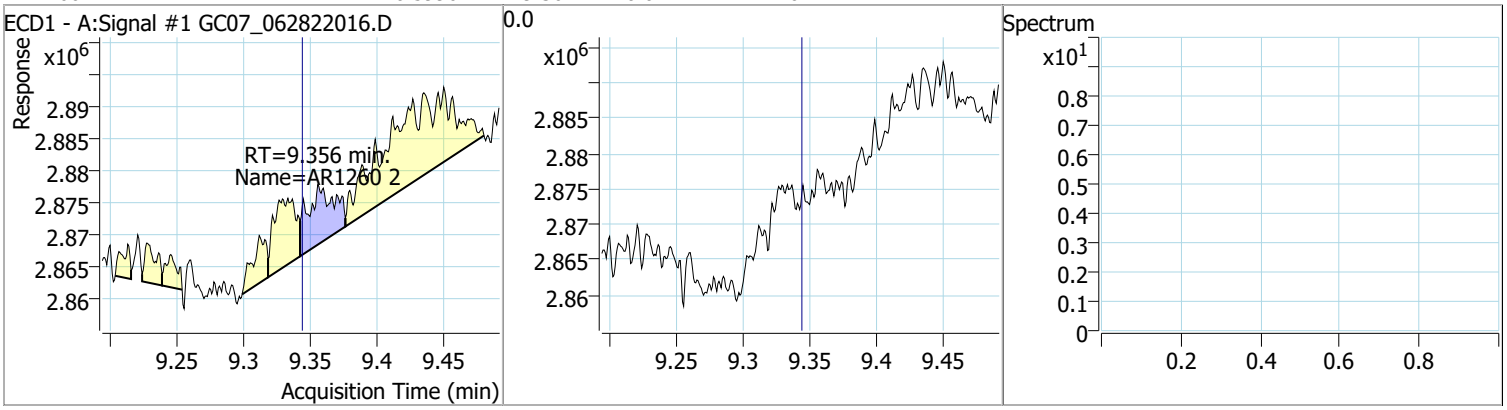
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.5128	7.78	0.02	1023				



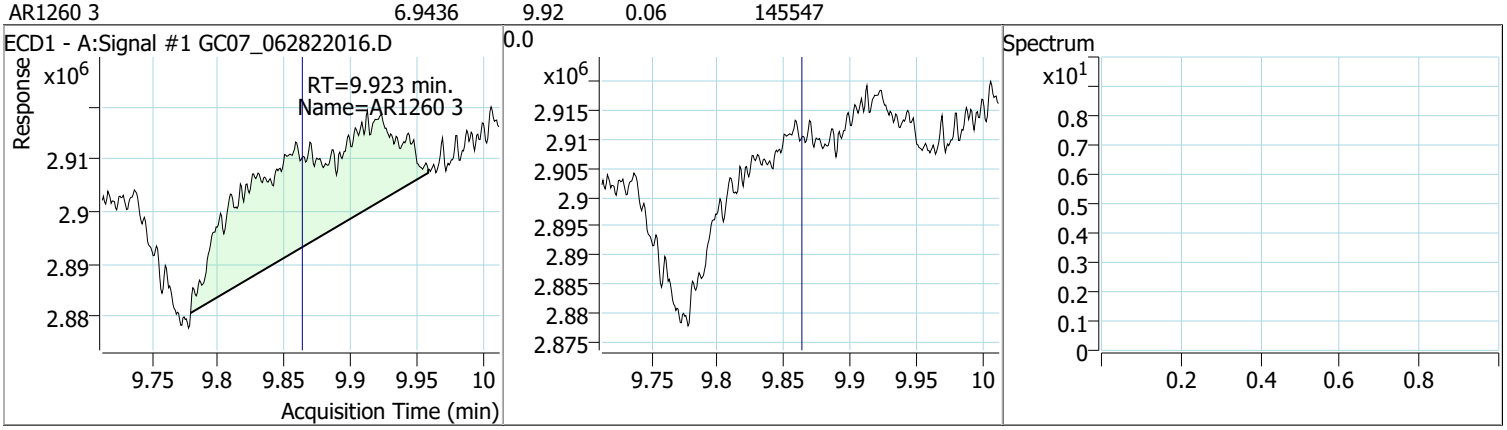
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	40.2483	8.73	-0.01	579948				



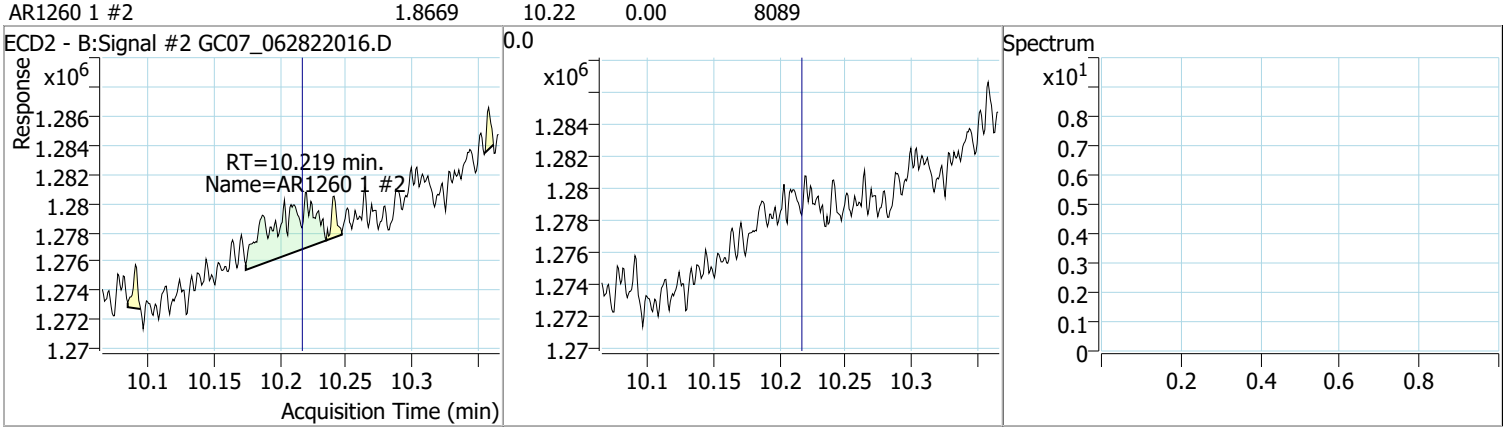
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.5996	9.36	0.01	12402				



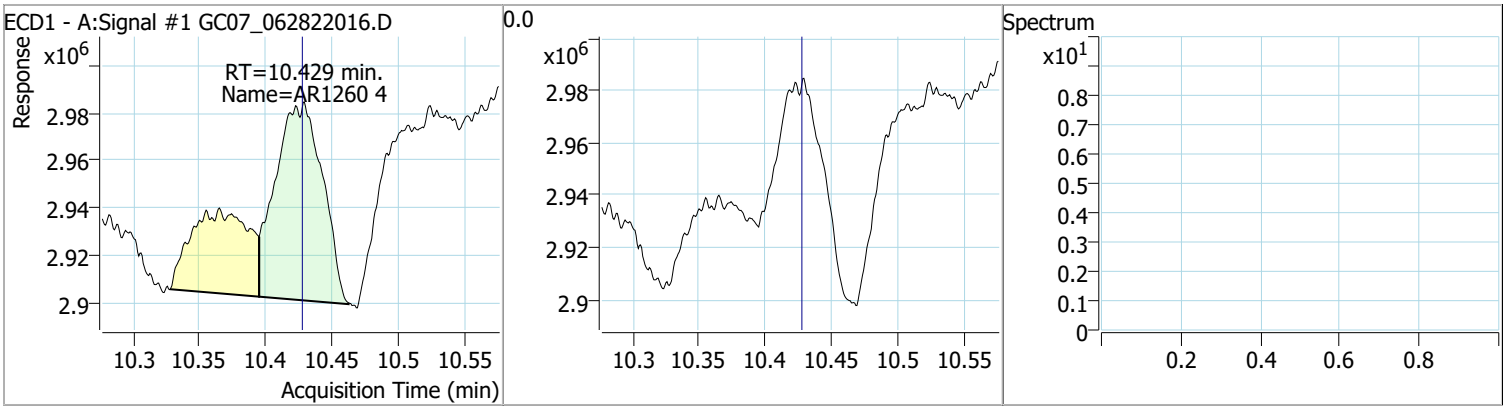
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	6.9436	9.92	0.06	145547				



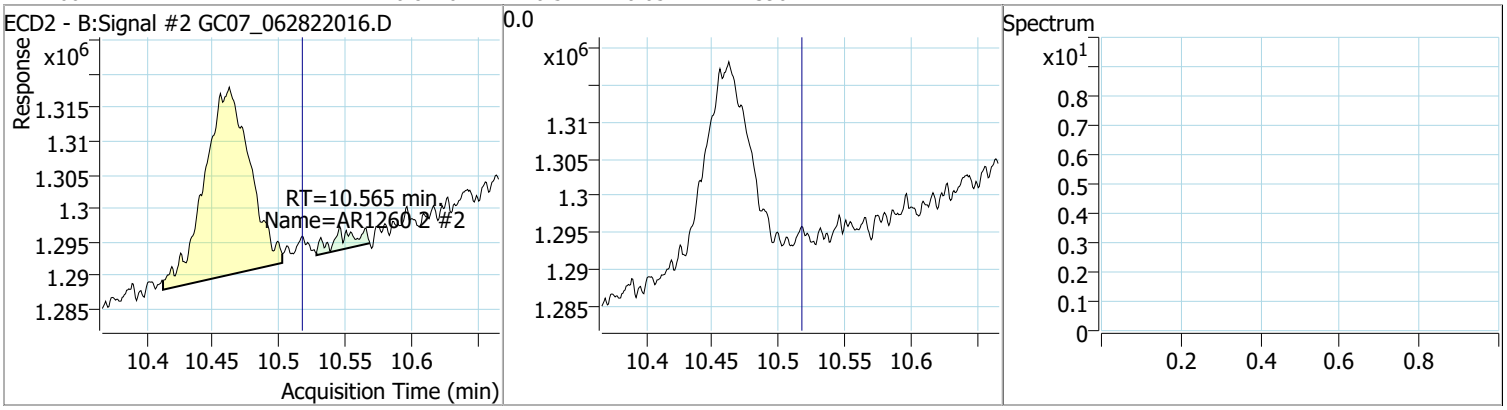
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1.8669	10.22	0.00	8089				



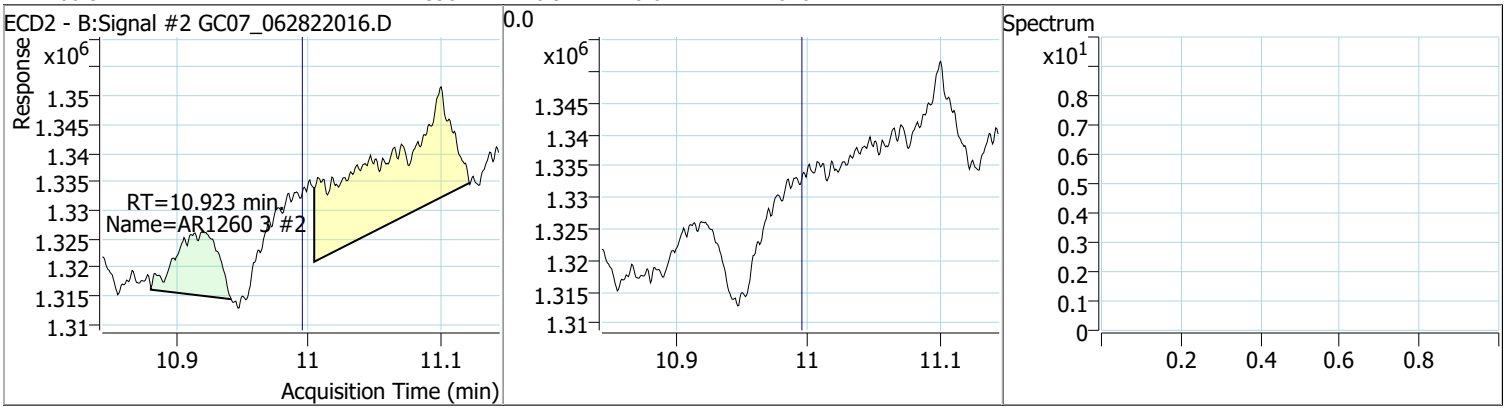
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	19.2403	10.43	0.00	206171				



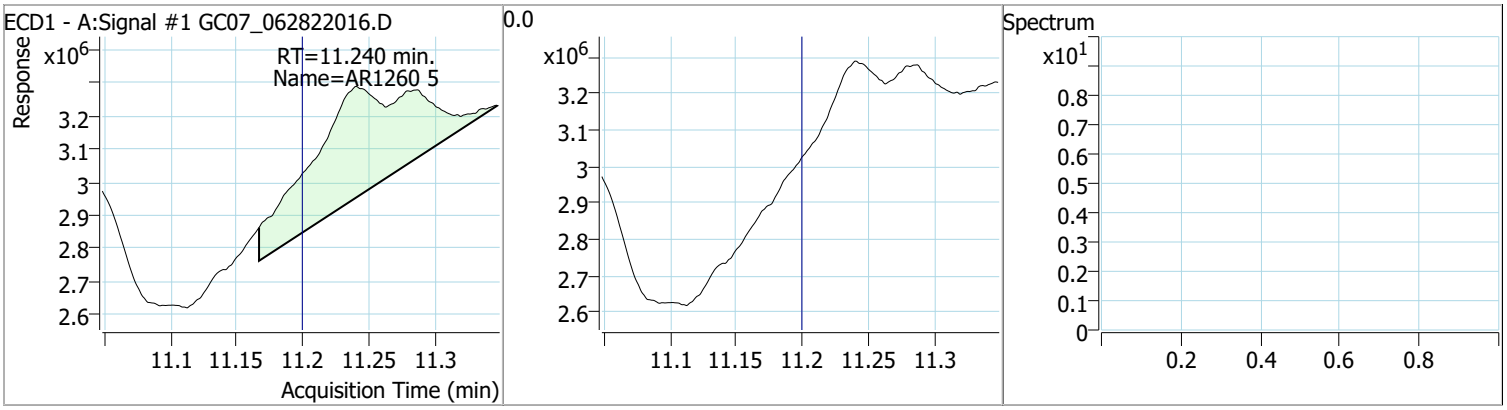
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	0.8116	10.57	0.05	3907				



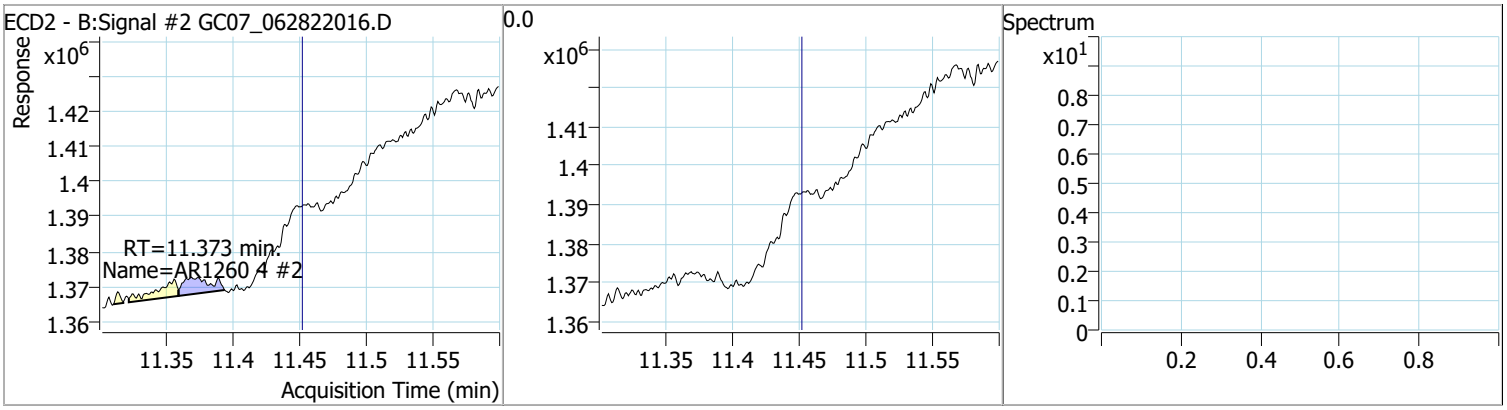
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	4.1395	10.92	-0.07	24528				



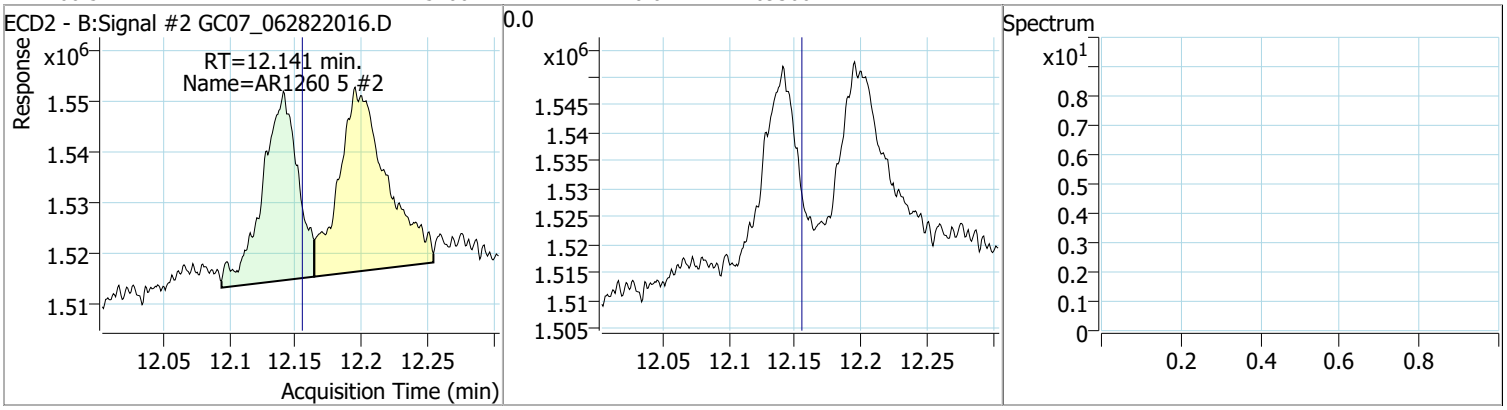
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	185.8539	11.24	0.04	1828409				



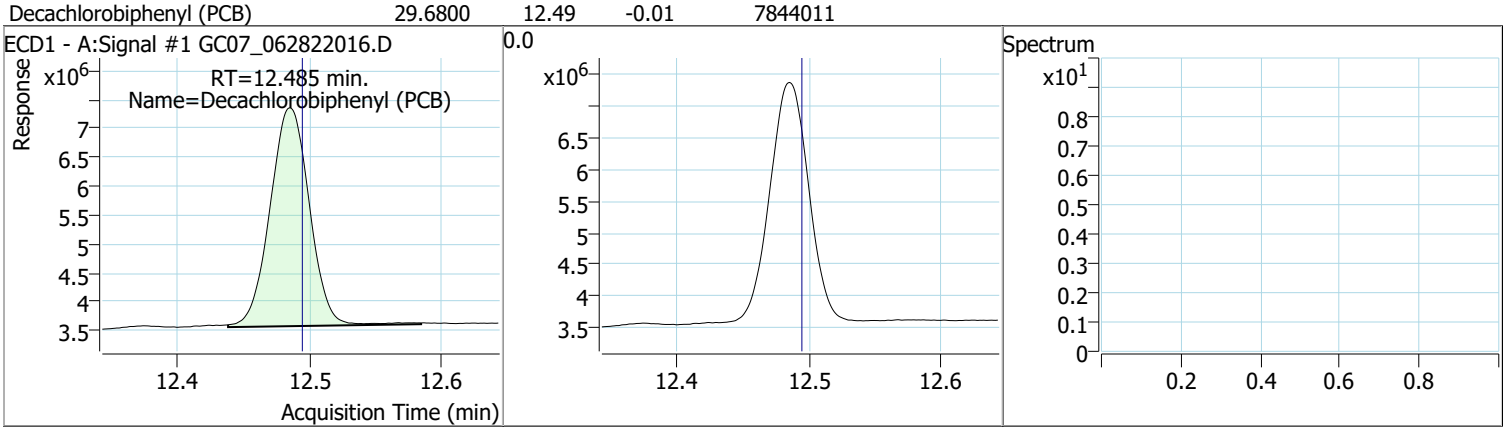
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1.9876	11.37	-0.08	6608				



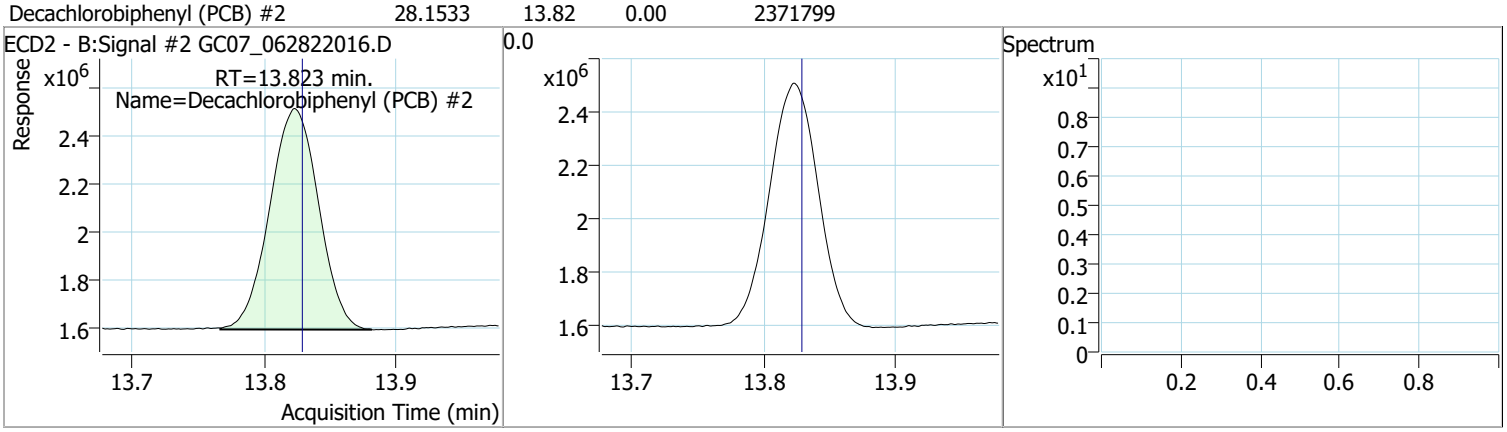
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	14.5200	12.14	-0.01	69366				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	29.6800	12.49	-0.01	7844011				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	28.1533	13.82	0.00	2371799				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	464405-015	Client ID:	DOOR-N-0.9GE-PS-26-220615-P-DUP-LA
Seqnum:	462258436017.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_062822017	Batch:	291960	Time:	28-JUN-2022 15:33
Cal:	462252739001	Caldate:	25-JUN-2022		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	7.603	ug/L	ND	0.69	128%	1.0		u
Aroclor-1016 Peak # 1	B	14.94	ug/L	0.30	1.01	109%			
Aroclor-1016 Peak # 2	B	0.4322	ug/L	0.01	0.03	106%			
Aroclor-1016 Peak # 3	B	20.31	ug/L	0.41	0.92	77%			
Aroclor-1016 Peak # 4	B	1.933	ug/L	0.04	0.10	86%			
Aroclor-1016 Peak # 5	B	0.4039	ug/L	0.01	1.42	198%			
Aroclor-1221	B			ND			1.0		u
Aroclor-1232	B			ND			1.0		u
Aroclor-1242	B			ND			1.0		u
Aroclor-1248	B			ND			1.0		u
Aroclor-1254	B			ND			1.0		u
Aroclor-1260	B	5.285	ug/L	ND	0.97	161%	1.0		u
Aroclor-1260 Peak # 1	B	2.576	ug/L	0.05	0.79	176%			
Aroclor-1260 Peak # 2	B	1.205	ug/L	0.02	0.02	28%			
Aroclor-1260 Peak # 3	B	3.991	ug/L	0.08	0.06	22%			
Aroclor-1260 Peak # 4	B	2.907	ug/L	0.06	0.68	168%			
Aroclor-1260 Peak # 5	B	15.75	ug/L	0.31	3.32	165%			
Aroclor-1268	B			ND			1.0		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	31.50	pg/uL	1.000	0.6301	63	52-186	u
Decachlorobiphenyl (PCB)	B	27.06	pg/uL	1.000	0.5413	54	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_062822004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1389469	1276515	-8.13
1-bromo-2-nitrobenzene (PCB)	A	5233508	4447708	-15.01

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_062822004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.25	4.25	0.00

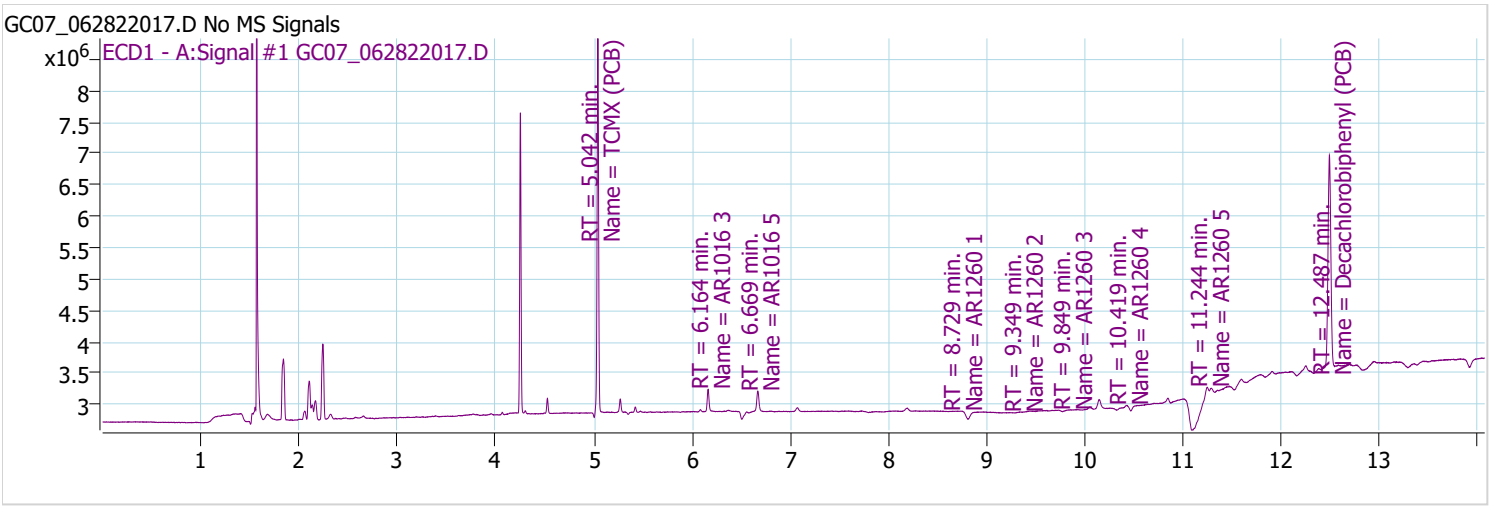
u=use

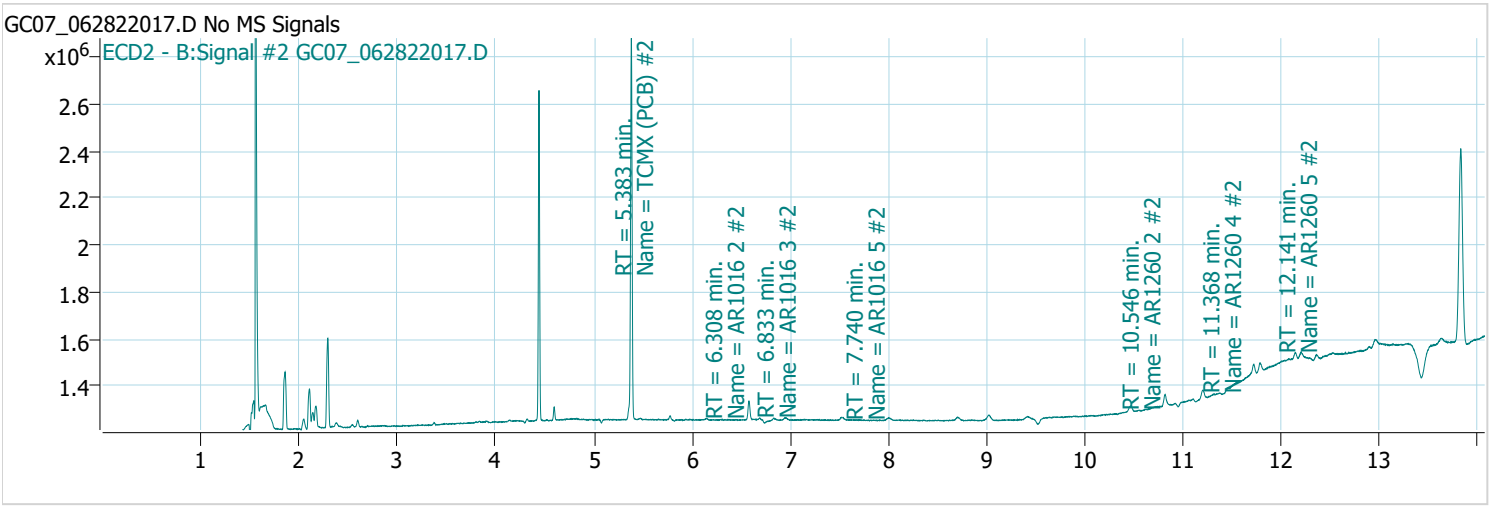
Analyst: TRN 06/28/22 *

Reviewer: SLL 06/28/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC07_062822017.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/28/2022 3:33:44 PM
Sample Name	464405-015, 291960, 1	Instrument	SVOA-GC07
Vial	11	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_2.m	Comment	Wipe/1s-20ml//3580 method
Tune File	ATUNE.U	Tune Date	
Batch Name	062822PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



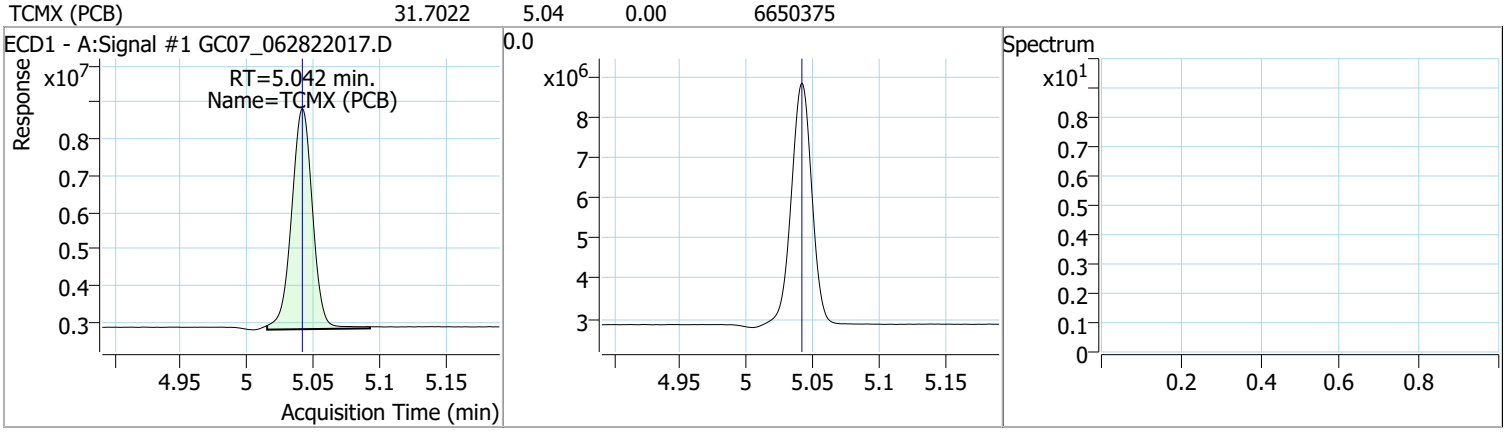


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.253	0.0	4447708.009	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.443	0.0	1276515.421	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.042	0.0	6650374.767	31.7022	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 158.51%		*	
S TCMX (PCB) #2	5.383	0.0	1824109.561	31.4872	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 157.44%		*	
S Decachlorobiphenyl (PCB)	12.487	0.0	7023533.099	28.2689	ng/ml		-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 141.34%			
S Decachlorobiphenyl (PCB) #2	13.823	0.0	2126114.639	27.0485	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 135.24%			
Target Compounds							QValue

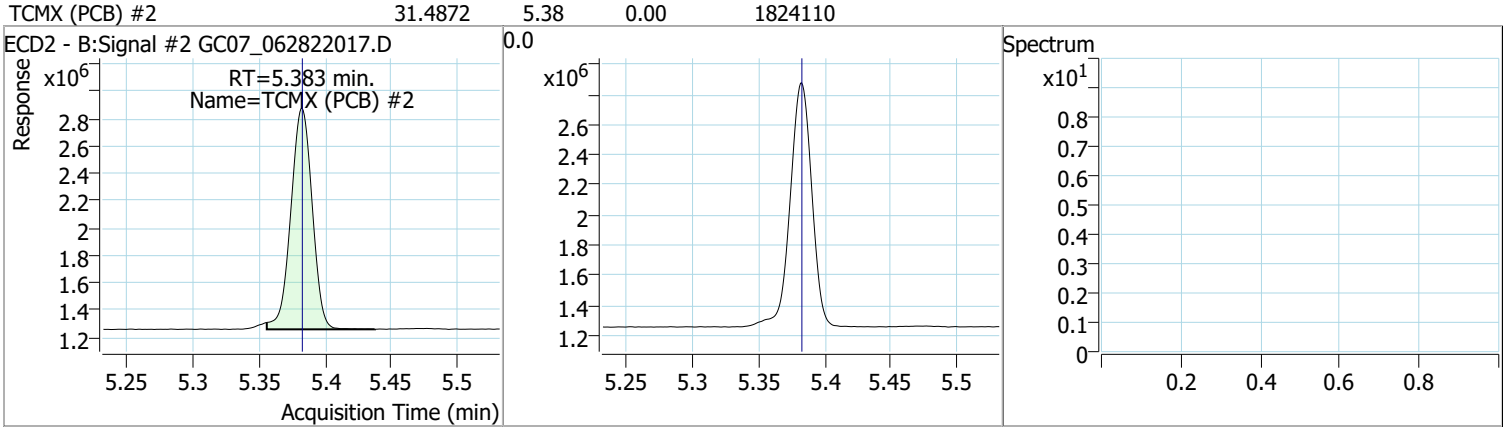
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.422	0.0	215252.582	50.4463	ng/ml	100
T AR1016 2	5.752	0.0	13045.481	1.4106	ng/ml	100
T AR1016 1 #2	5.898	0.0	19193.970	14.9310	ng/ml	100
T AR1016 3	6.164	0.0	490255.458	45.7800	ng/ml	100
T AR1016 2 #2	6.308	0.0	1209.157	0.4320	ng/ml	100
T AR1016 4	6.368	0.0	37304.665	4.8442	ng/ml	100
T AR1016 5	6.669	0.0	453945.063	70.7674	ng/ml	100
T AR1016 3 #2	6.833	0.0	65174.497	20.2976	ng/ml	100
T AR1016 4 #2	7.147	0.0	4305.962	1.9322	ng/ml	100
T AR1016 5 #2	7.740	0.0	751.414	0.4036	ng/ml	100
T AR1260 1	8.729	0.0	535115.734	39.5034	ng/ml	100
T AR1260 2	9.349	0.0	17650.783	0.9077	ng/ml	100
T AR1260 3	9.849	0.0	62982.048	3.1961	ng/ml	100
T AR1260 1 #2	10.213	0.0	10406.699	2.5742	ng/ml	100
T AR1260 4	10.419	0.0	341300.336	33.8804	ng/ml	100
T AR1260 2 #2	10.546	0.0	5410.650	1.2046	ng/ml	100
T AR1260 3 #2	10.918	0.0	22048.758	3.9883	ng/ml	100
T AR1260 5	11.244	0.0	1534982.713	165.9702	ng/ml	100
T AR1260 4 #2	11.368	0.0	9011.035	2.9051	ng/ml	100
T AR1260 5 #2	12.141	0.0	70142.903	15.7364	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

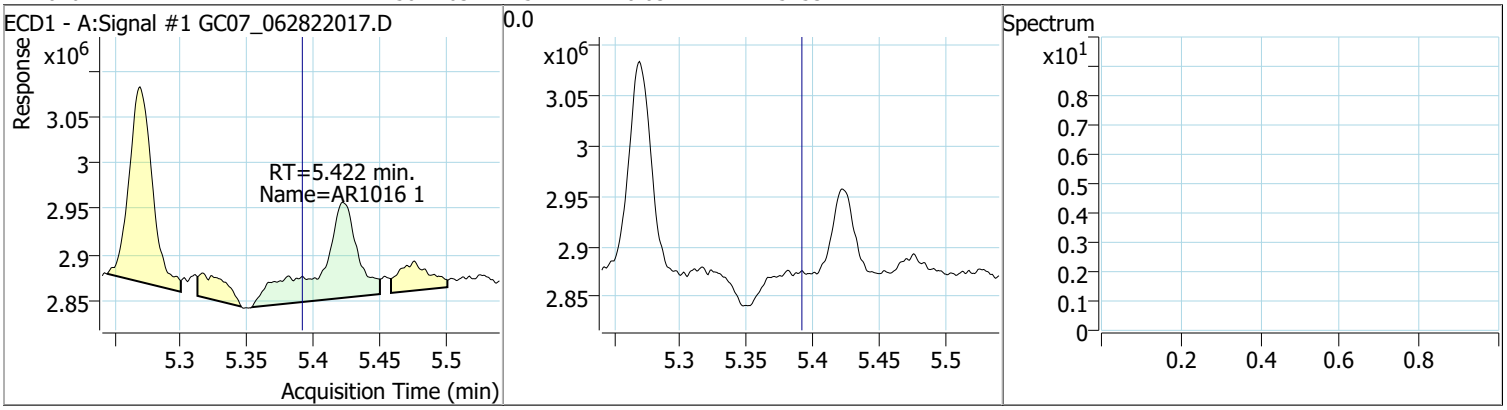
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	31.7022	5.04	0.00	6650375				



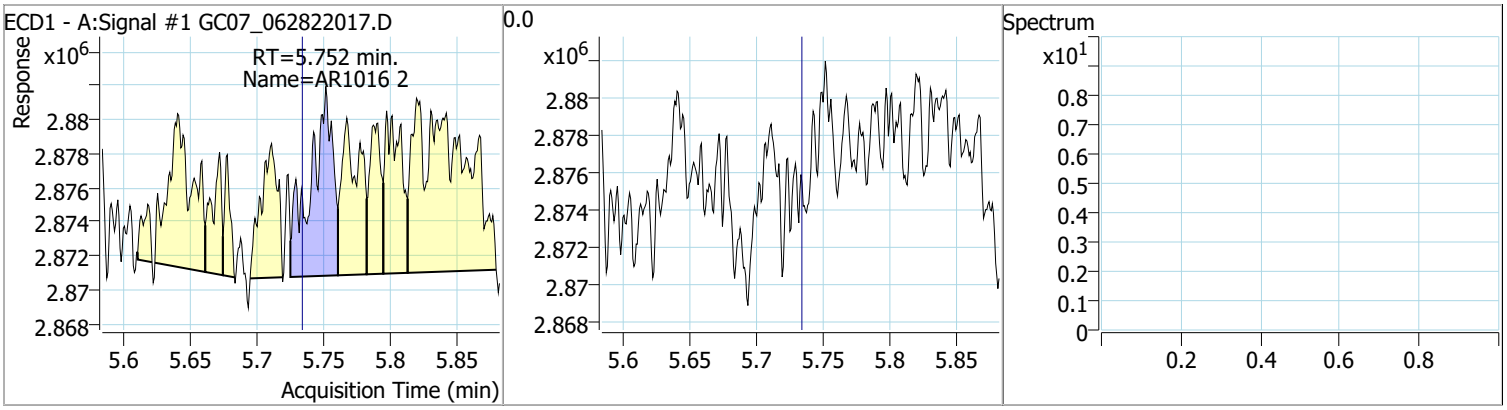
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	31.4872	5.38	0.00	1824110				



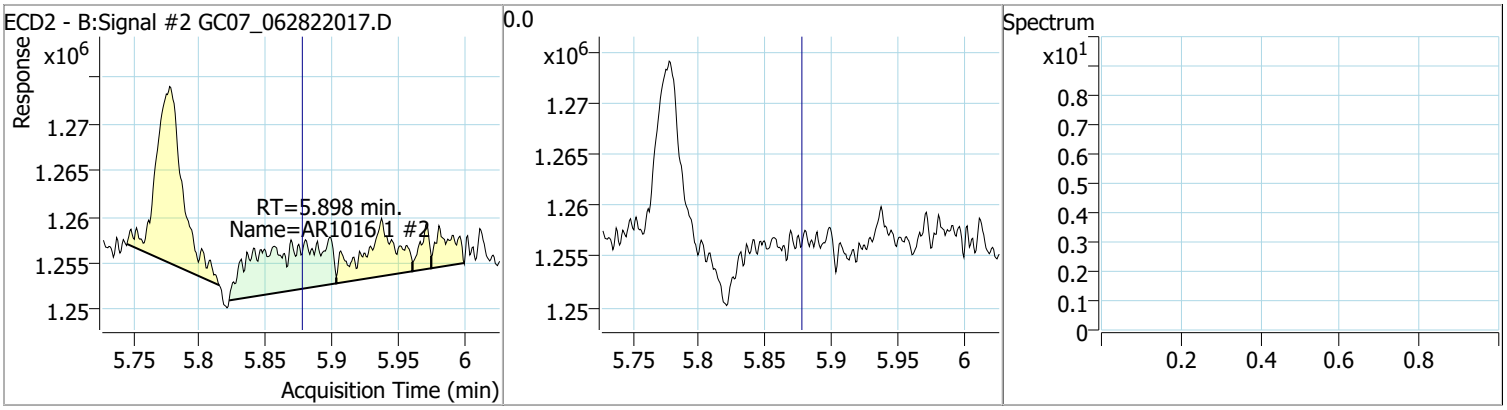
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	50.4463	5.42	0.03	215253				



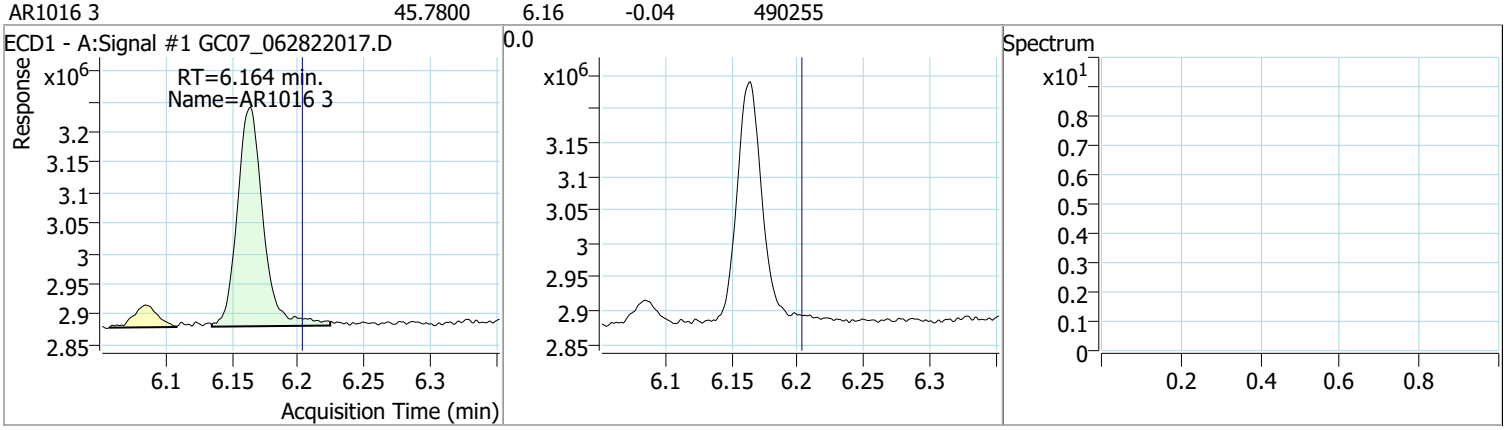
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1.4106	5.75	0.02	13045				



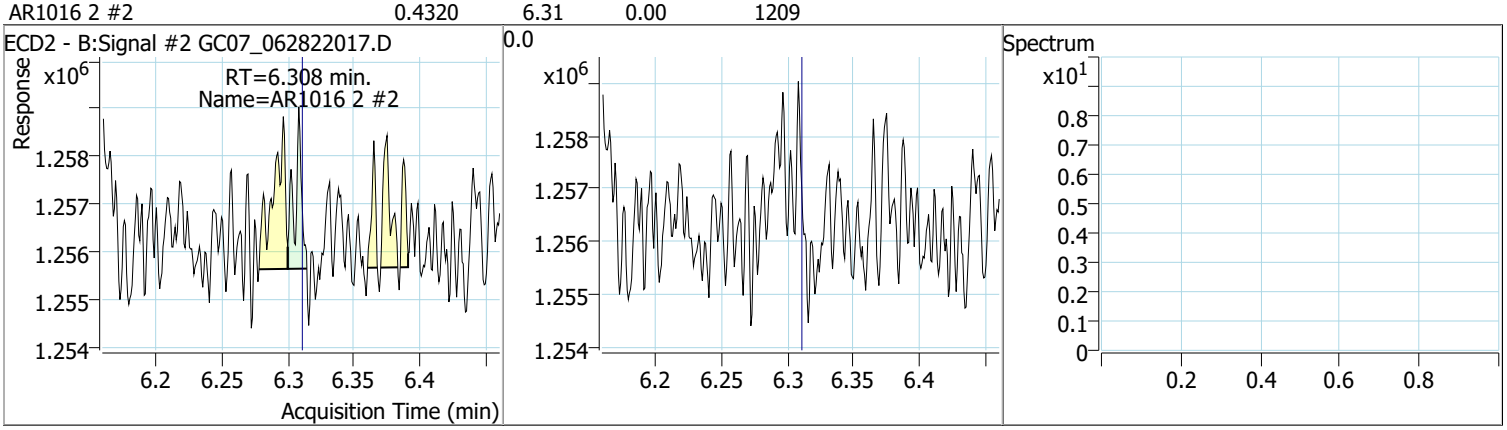
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	14.9310	5.90	0.02	19194				



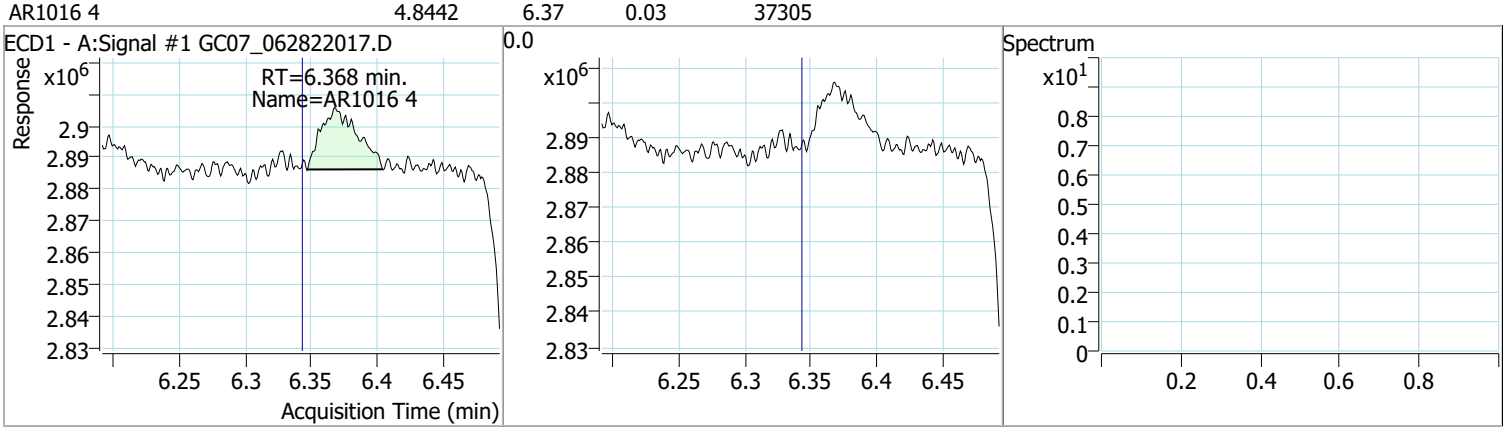
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	45.7800	6.16	-0.04	490255				



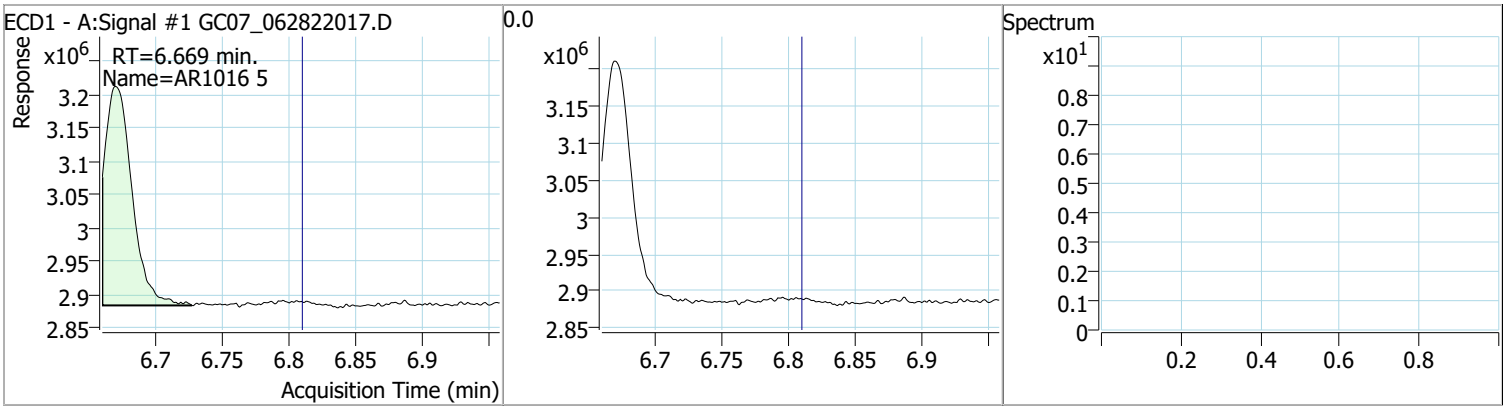
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	0.4320	6.31	0.00	1209				



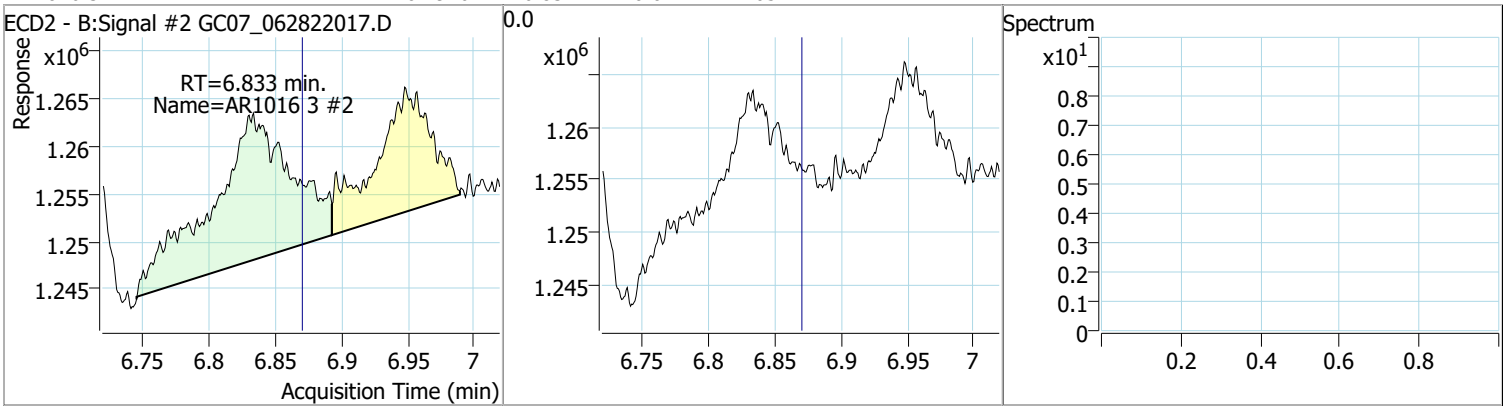
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	4.8442	6.37	0.03	37305				



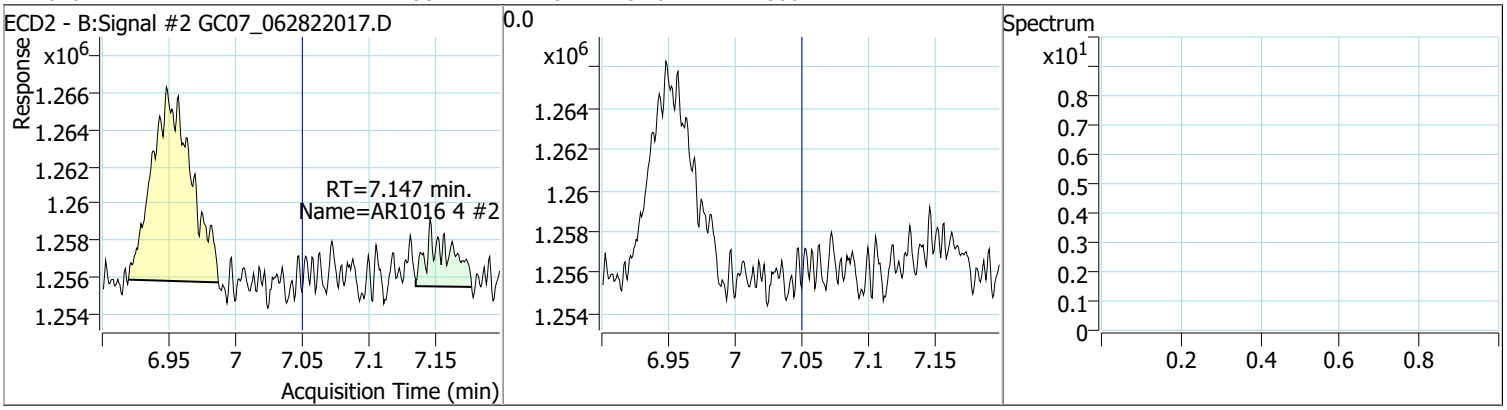
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	70.7674	6.67	-0.14	453945				



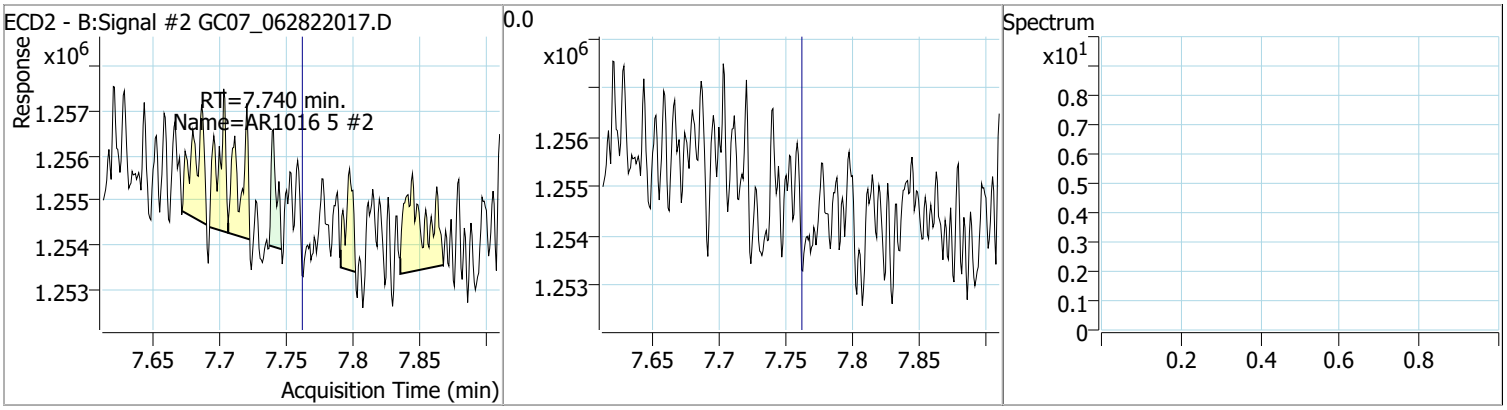
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	20.2976	6.83	-0.04	65174				



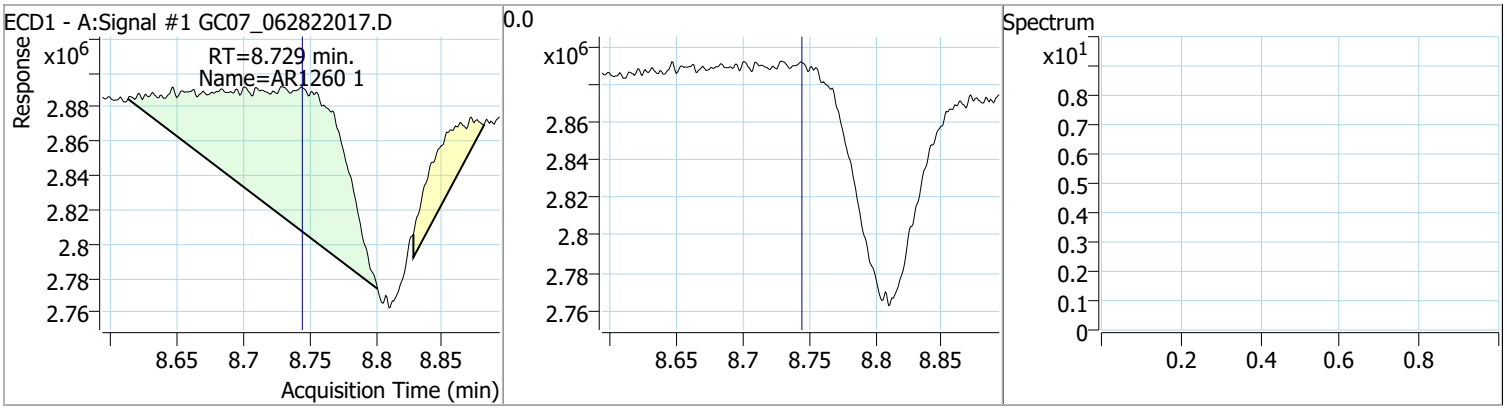
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1.9322	7.15	0.10	4306				



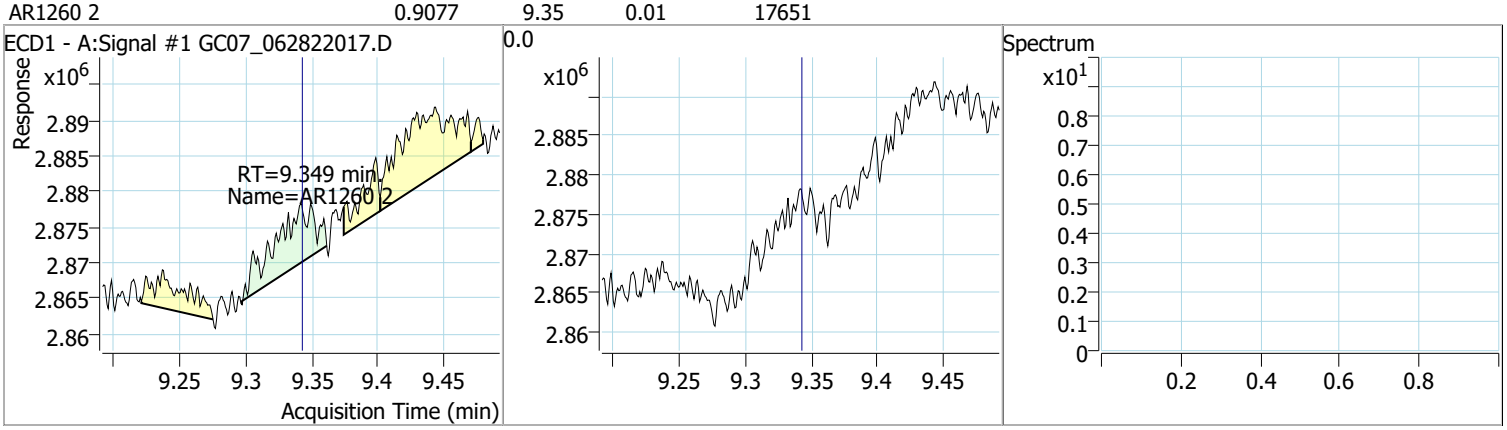
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.4036	7.74	-0.02	751				



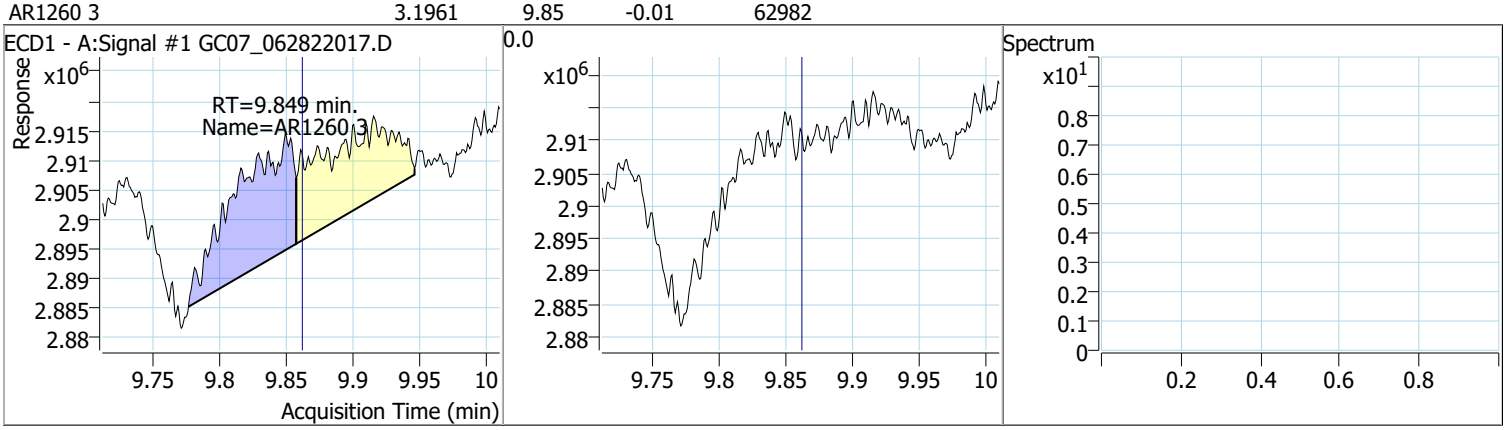
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	39.5034	8.73	-0.01	535116				



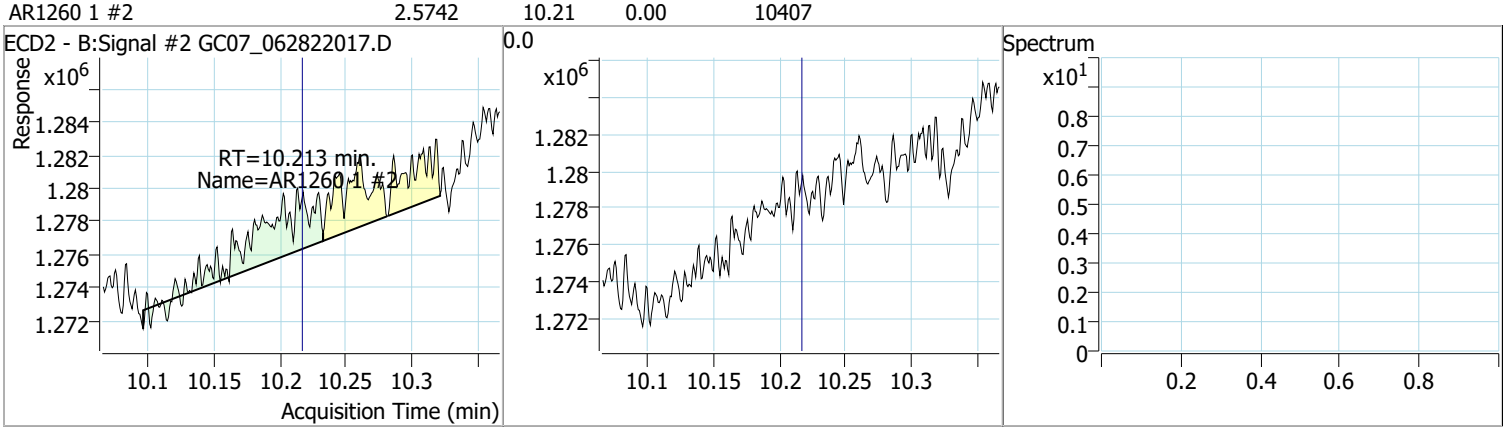
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.9077	9.35	0.01	17651				



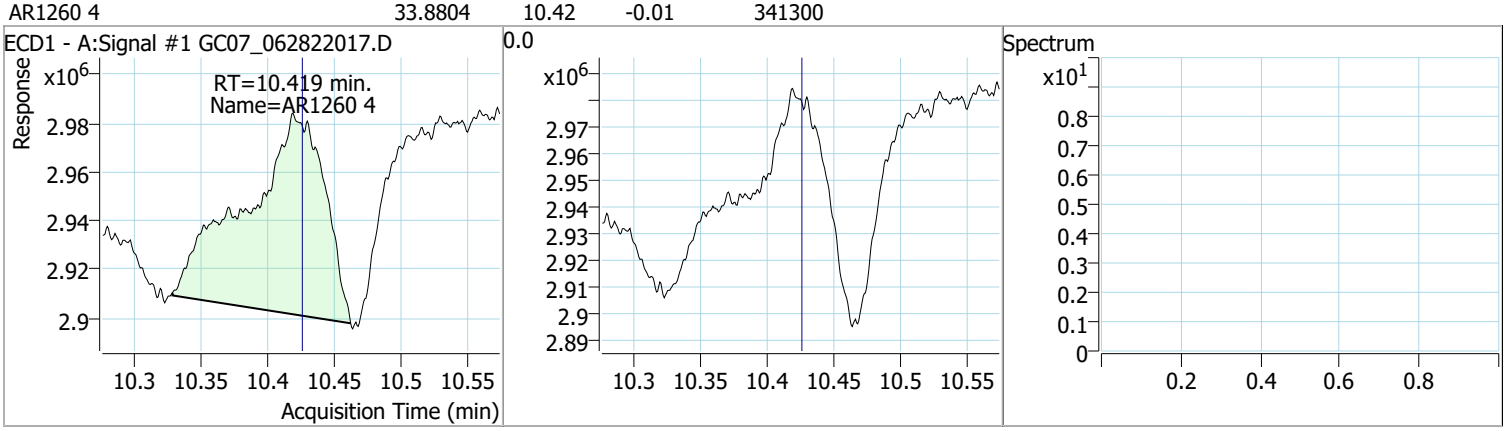
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	3.1961	9.85	-0.01	62982				



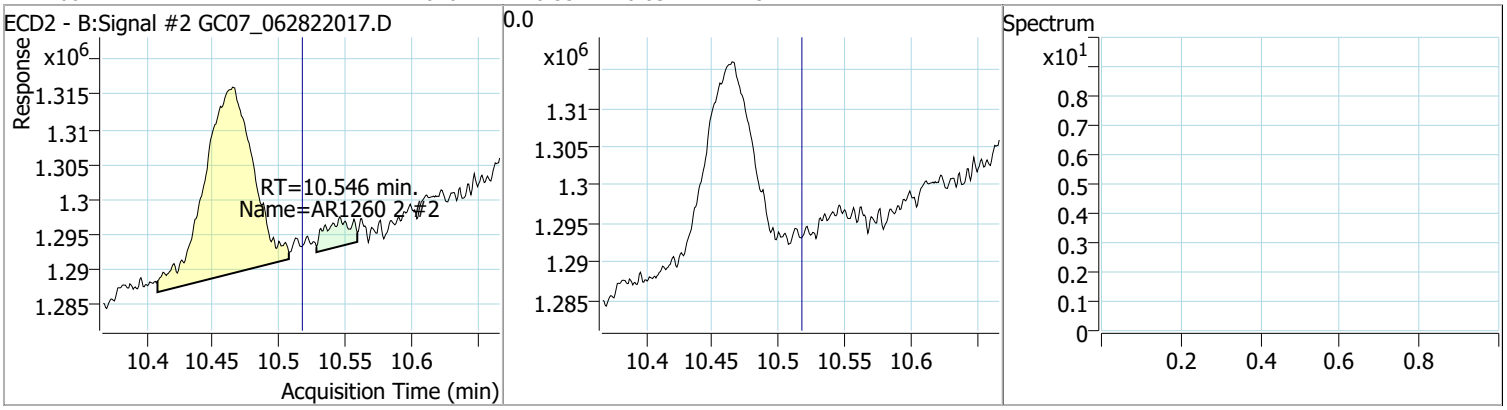
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	2.5742	10.21	0.00	10407				



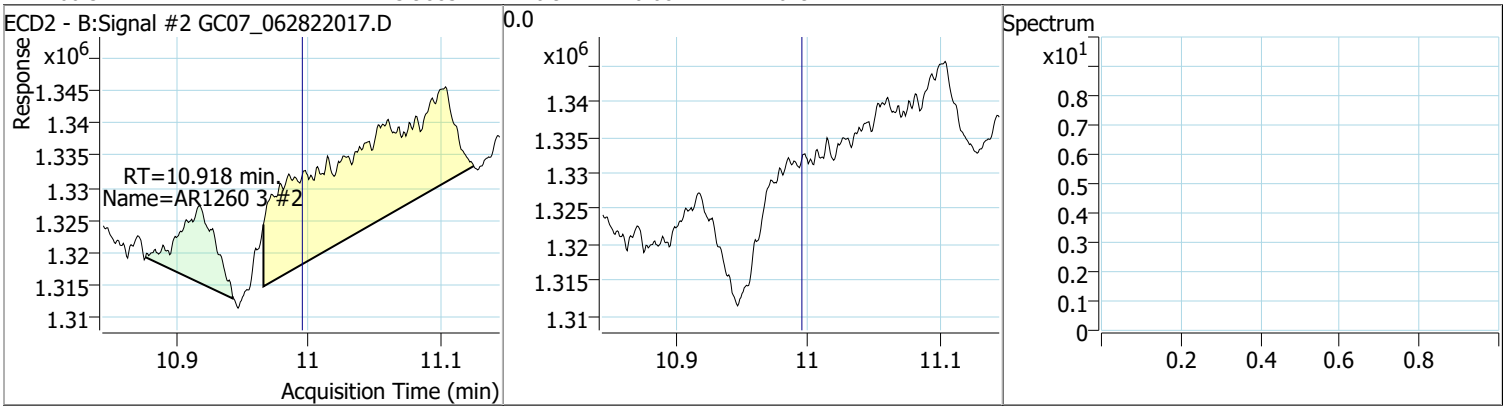
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	33.8804	10.42	-0.01	341300				



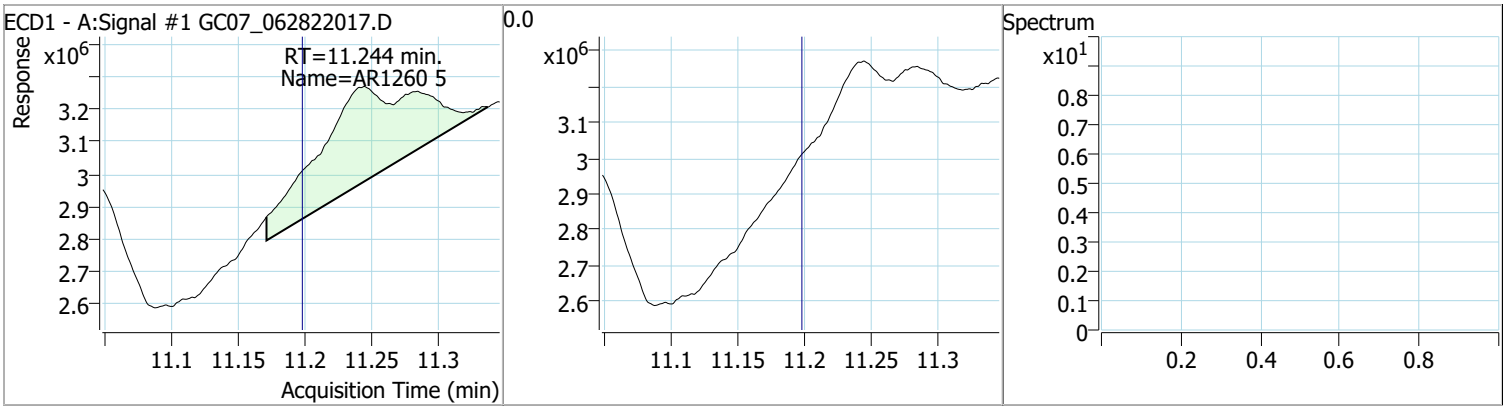
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1.2046	10.55	0.03	5411				



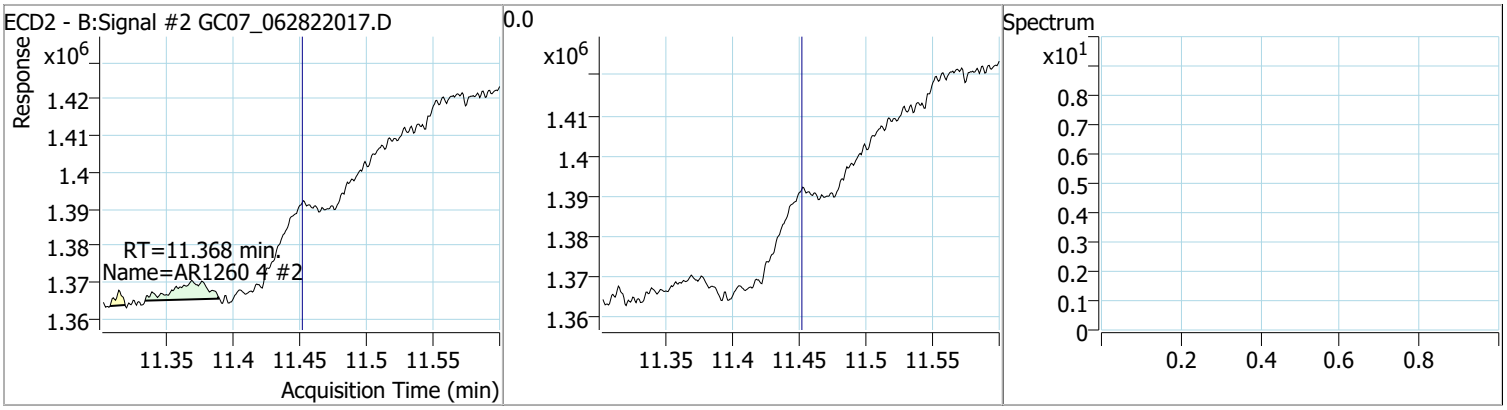
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	3.9883	10.92	-0.08	22049				



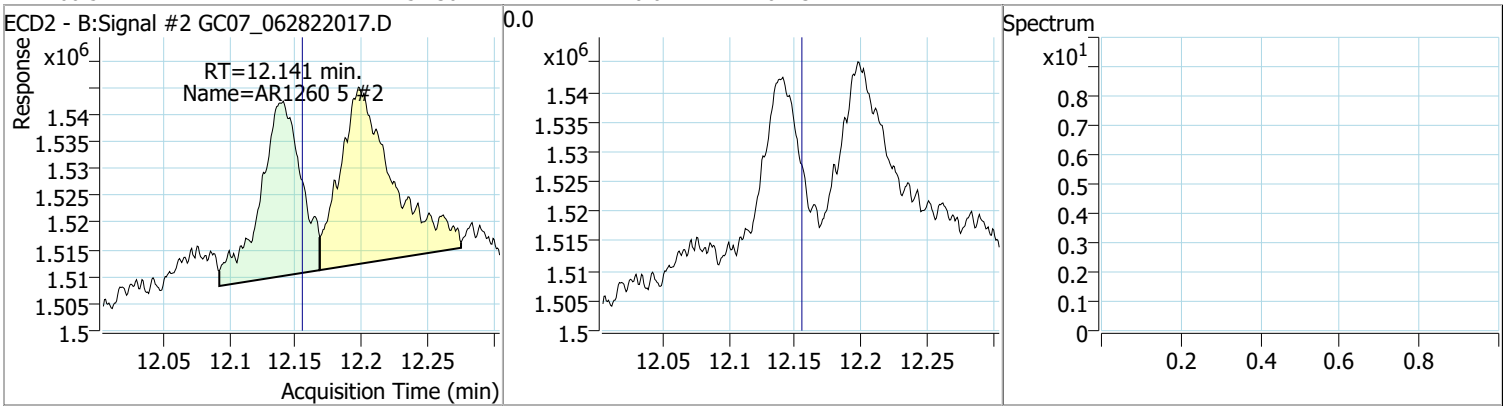
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	165.9702	11.24	0.05	1534983				



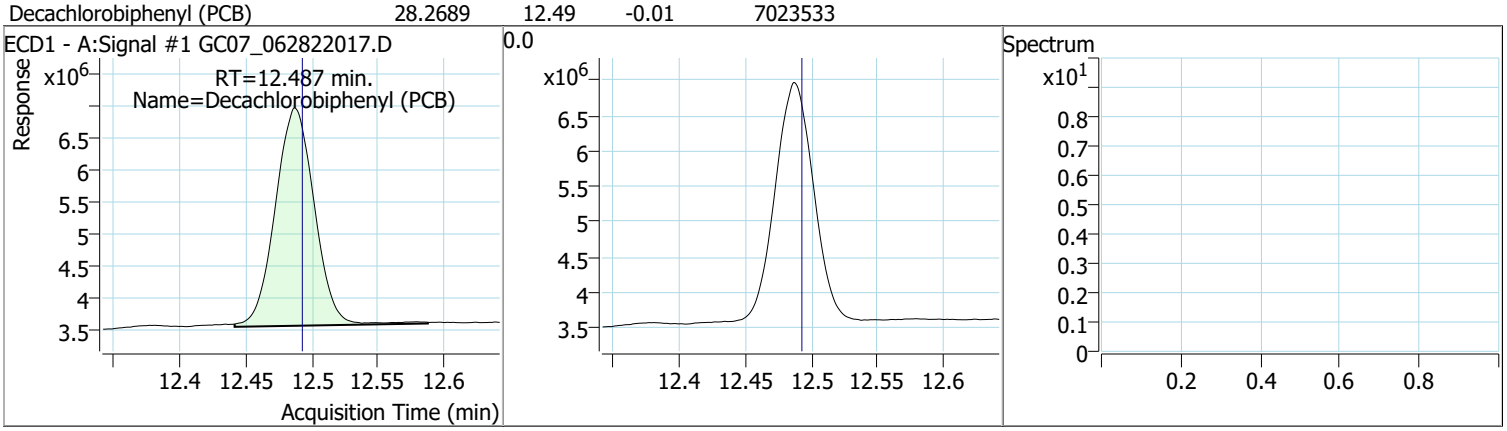
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	2.9051	11.37	-0.08	9011				



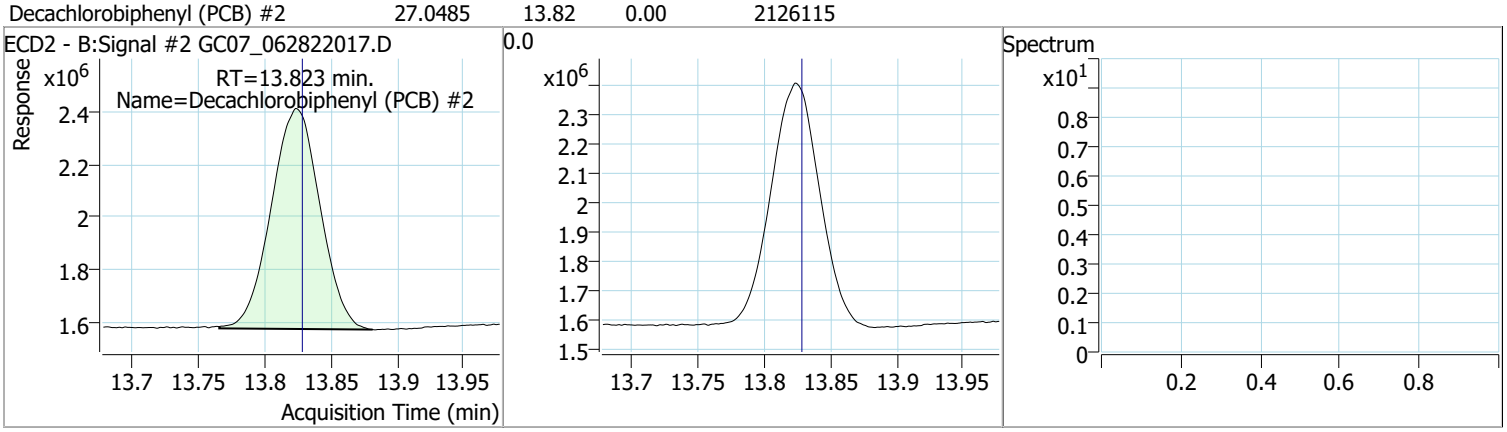
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	15.7364	12.14	-0.01	70143				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	28.2689	12.49	-0.01	7023533				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	27.0485	13.82	0.00	2126115				



QC Raw Data

ENTHALPY BLANK USER REPORT FOR 464405 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07	Lab ID:	QC997361		
Seqnum:	462258436007.4	Matrix:	Wipe		
File:	gc07_062822007	Batch:	291960	Time:	28-JUN-2022 12:37
Cal:	462252739001	Caldate:	25-JUN-2022		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Flags
Aroclor-1016	B	2.529	ug/L	ND	0.13	134%	0.50	u
Aroclor-1221	B			ND			0.50	u
Aroclor-1232	B			ND			0.50	u
Aroclor-1242	B			ND			0.50	u
Aroclor-1248	B			ND			0.50	u
Aroclor-1254	B			ND			0.50	u
Aroclor-1260	B	1.428	ug/L	ND	ND	42%	0.50	u
Aroclor-1268	B			ND			0.50	u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	41.10	pg/uL	0.5000	0.4110	82	52-186	u
Decachlorobiphenyl (PCB)	B	37.77	pg/uL	0.5000	0.3777	76	60-140	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_062822004)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1389469	1568156	12.86
1-bromo-2-nitrobenzene (PCB)	A	5233508	5612864	7.25

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_062822004)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.25	4.26	0.01

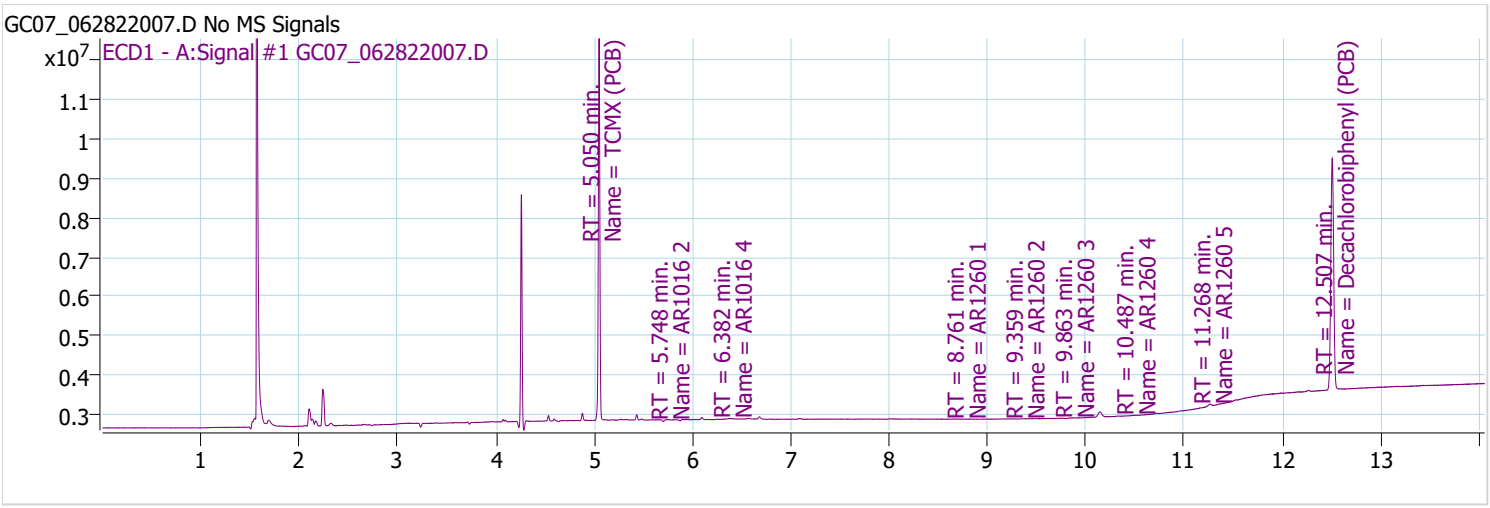
u=use

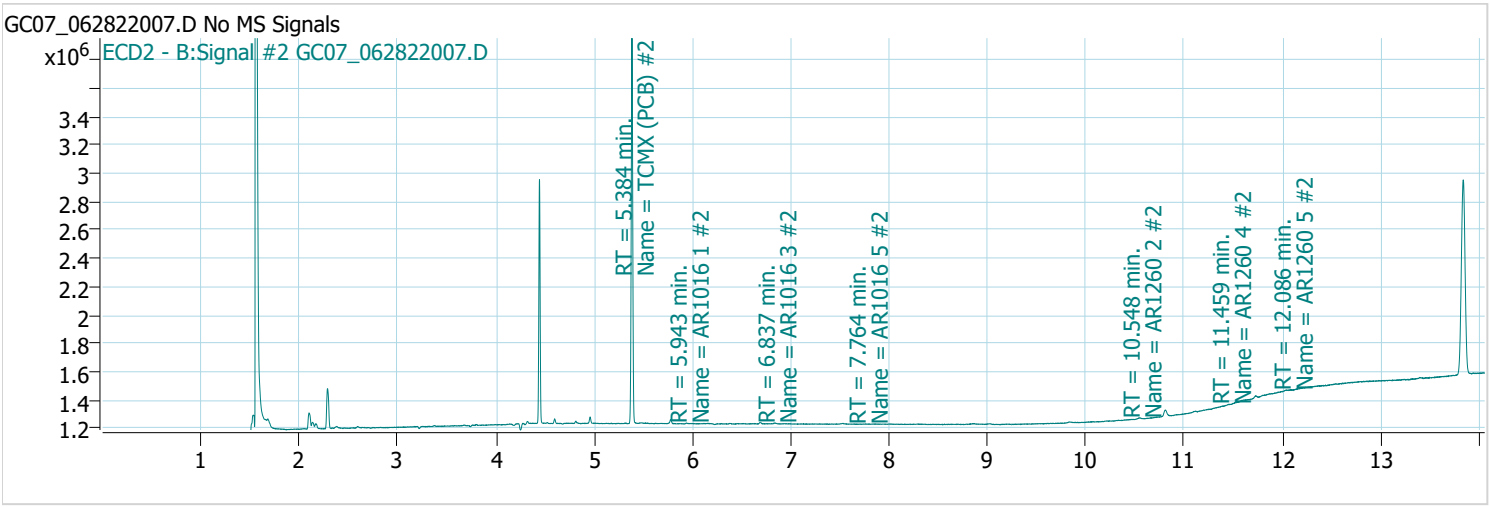
Analyst: TRN 06/28/22 *

Reviewer: SLL 06/28/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC07_062822007.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/28/2022 12:37:59 PM
Sample Name	QC997361, 291960, 1	Instrument	SVOA-GC07
Vial	1	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_2.m	Comment	Wipe/1s-20ml//3580 method
Tune File	ATUNE.U	Tune Date	
Batch Name	062822PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



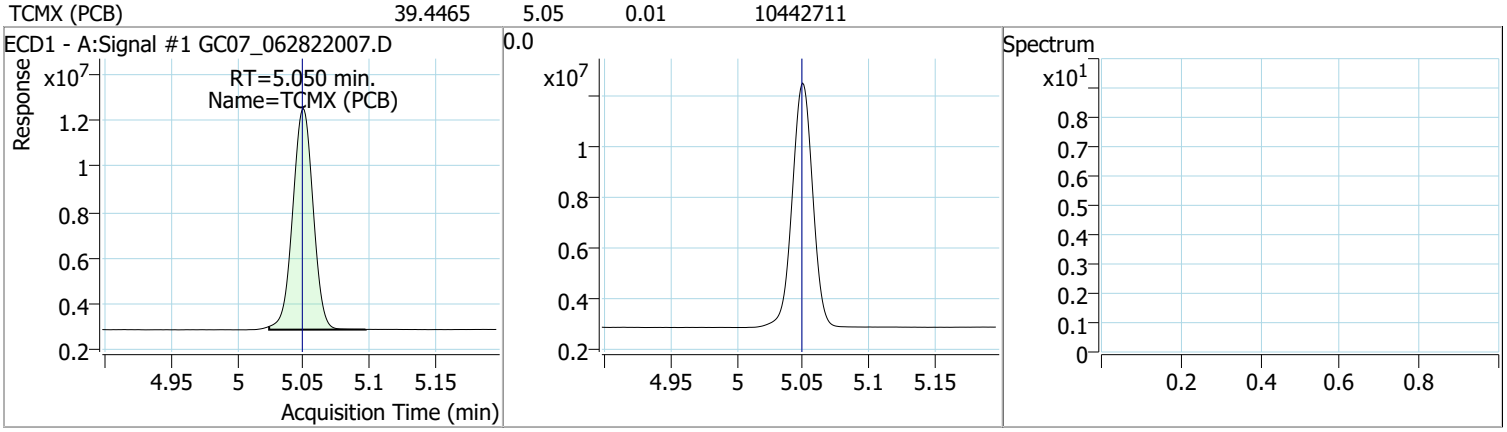


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.260	0.0	5612863.774	20.0000	ng/ml		0.006
M 1-bromo-2-nitrobenzene (PCB) #2	4.443	0.0	1568155.748	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	5.050	0.0	10442711.226	39.4465	ng/ml		0.009
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 197.23%		*	
S TCMX (PCB) #2	5.384	0.0	2923494.123	41.0793	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 205.40%		*	
S Decachlorobiphenyl (PCB)	12.507	0.0	12030184.619	38.3687	ng/ml		0.014
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 191.84%		*	
S Decachlorobiphenyl (PCB) #2	13.839	0.0	3645505.818	37.7530	ng/ml		0.012
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 188.76%		*	
Target Compounds							QValue

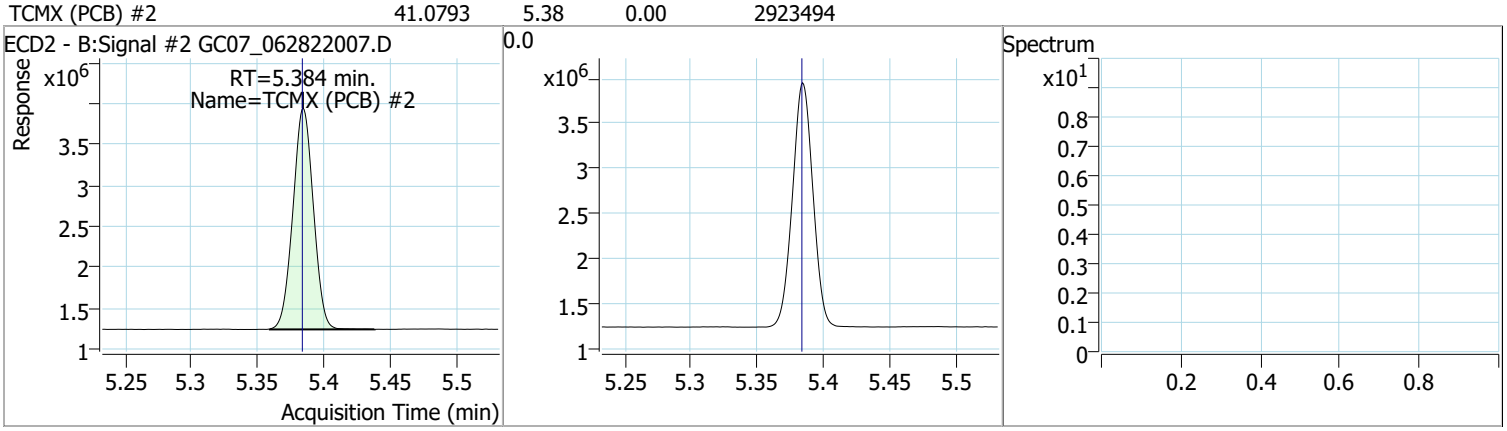
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.433	0.0	151233.397	28.0854	ng/ml	100
T AR1016 2	5.748	0.0	302854.874	25.9503	ng/ml	100
T AR1016 1 #2	5.943	0.0	8380.882	5.3070	ng/ml	100
T AR1016 3	6.252	0.0	18625.065	1.3782	ng/ml	100
T AR1016 2 #2	6.297	0.0	8193.397	2.3826	ng/ml	100
T AR1016 4	6.382	0.0	69048.691	7.1050	ng/ml	100
T AR1016 5	6.788	0.0	9358.326	1.1561	ng/ml	100
T AR1016 3 #2	6.837	0.0	13417.669	3.4016	ng/ml	100
T AR1016 4 #2	7.043	0.0	2240.124	0.8183	ng/ml	100
T AR1016 5 #2	7.764	0.0	1665.022	0.7281	ng/ml	100
T AR1260 1	8.761	0.0	2100.451	0.1229	ng/ml	100
T AR1260 2	9.359	0.0	7756.095	0.3161	ng/ml	100
T AR1260 3	9.863	0.0	23593.983	0.9488	ng/ml	100
T AR1260 1 #2	10.209	0.0	7478.806	1.5059	ng/ml	100
T AR1260 4	10.487	0.0	4954.257	0.3897	ng/ml	100
T AR1260 2 #2	10.548	0.0	20046.939	3.6332	ng/ml	100
T AR1260 3 #2	11.018	0.0	1421.934	0.2094	ng/ml	100
T AR1260 5	11.268	0.0	107128.935	9.1788	ng/ml	100
T AR1260 4 #2	11.459	0.0	4020.029	1.0550	ng/ml	100
T AR1260 5 #2	12.086	0.0	4002.435	0.7309	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

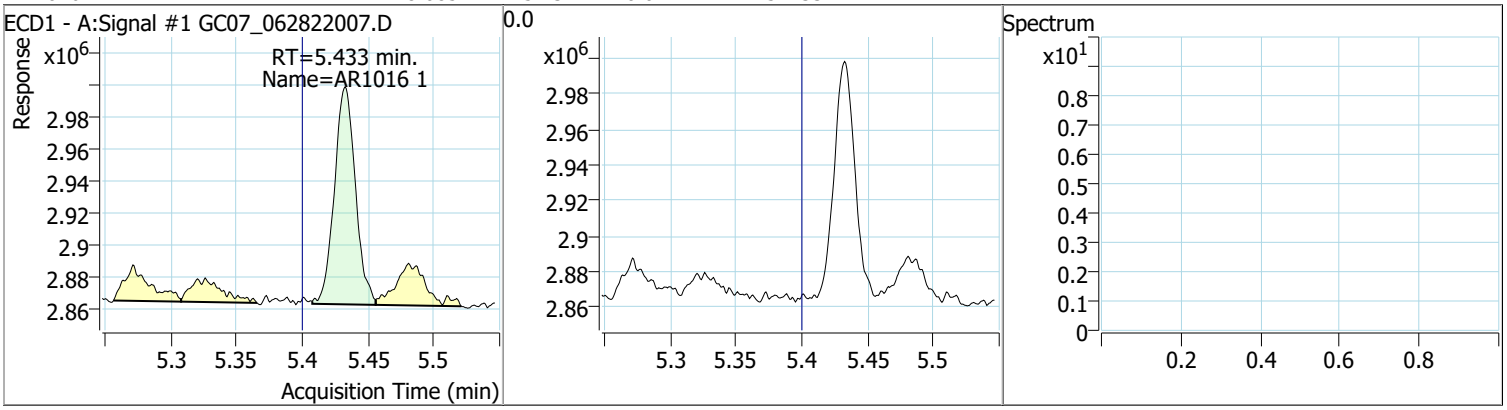
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.4465	5.05	0.01	10442711				



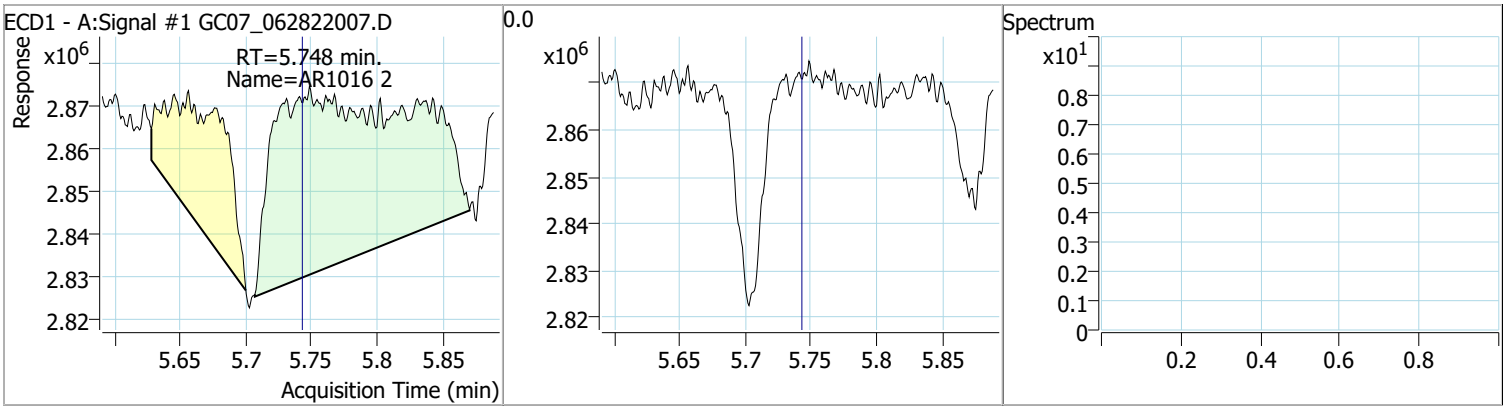
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	41.0793	5.38	0.00	2923494				



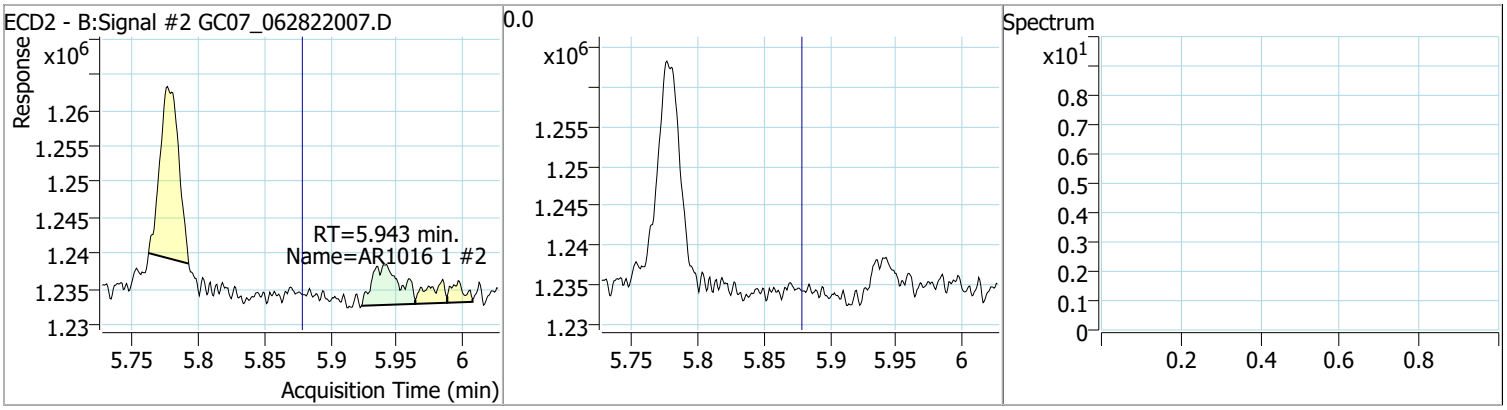
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	28.0854	5.43	0.04	151233				



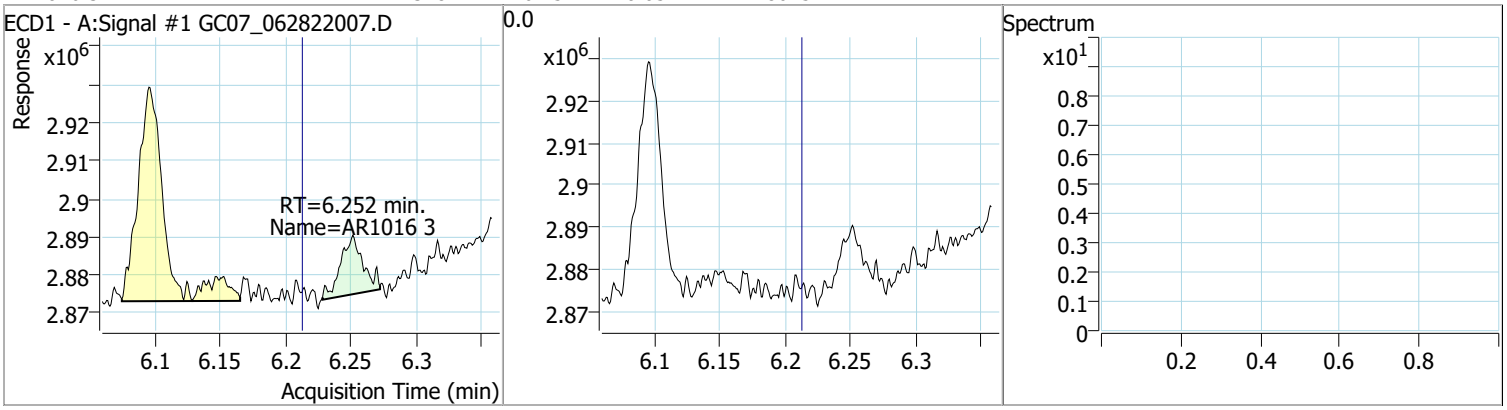
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	25.9503	5.75	0.02	302855				



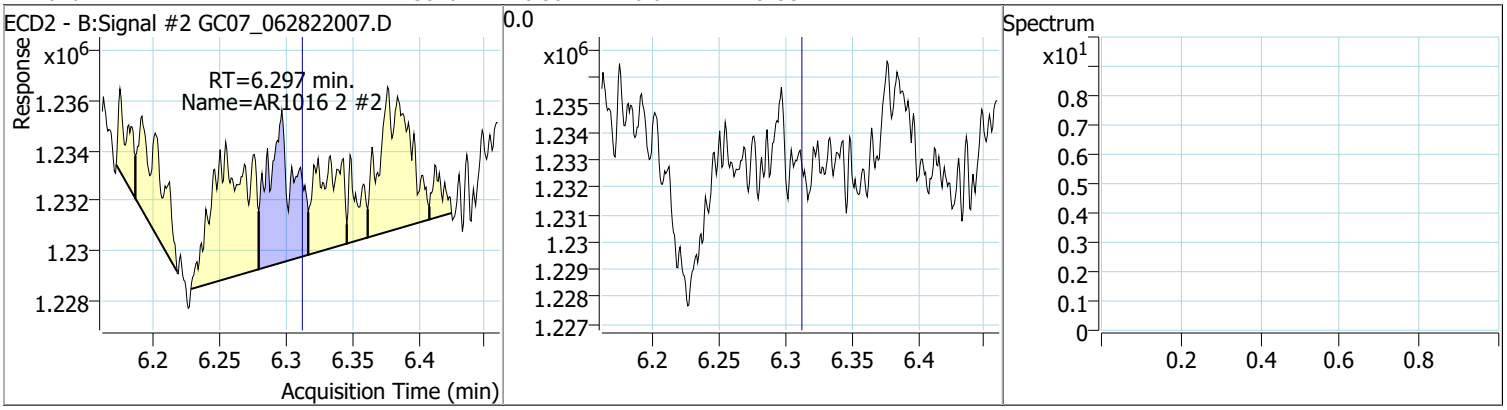
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	5.3070	5.94	0.07	8381				



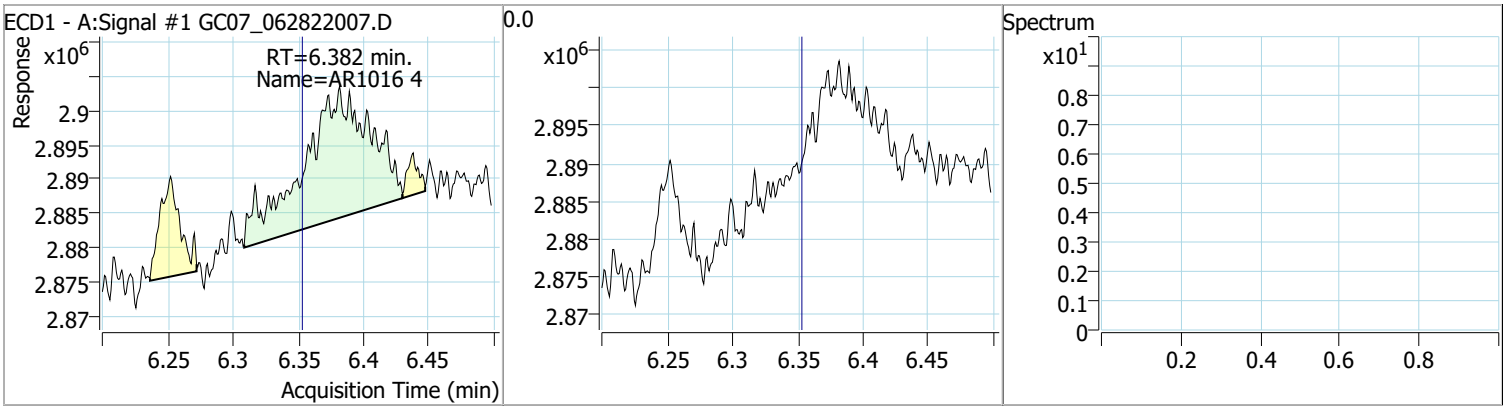
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1.3782	6.25	0.05	18625				



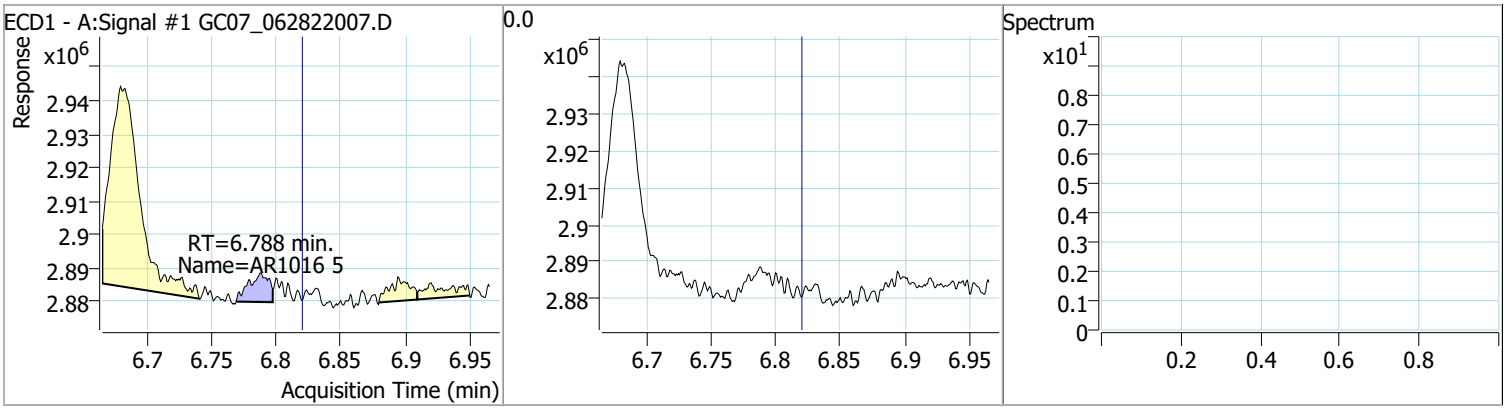
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	2.3826	6.30	-0.01	8193				



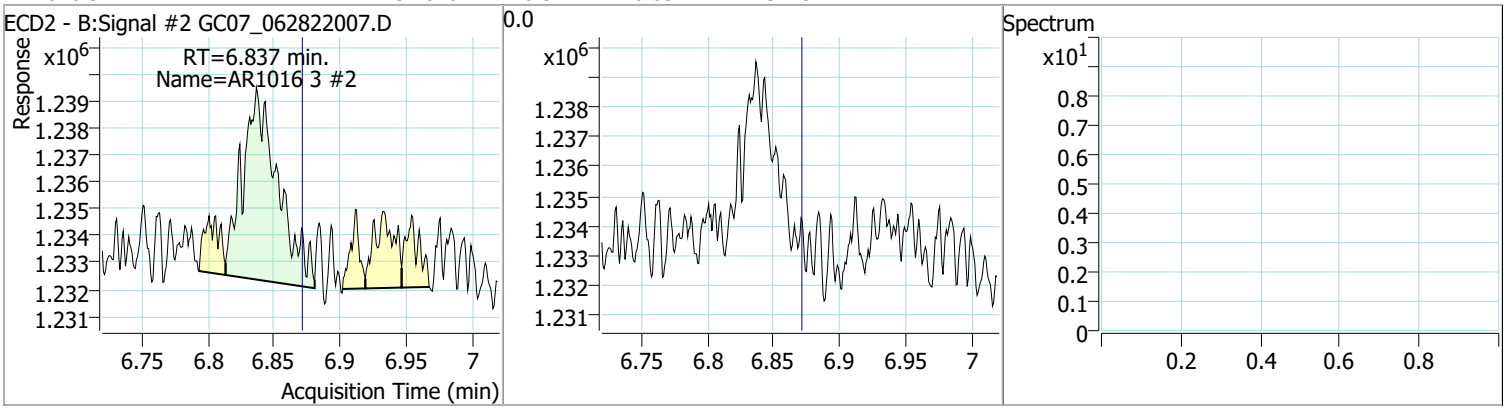
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	7.1050	6.38	0.04	69049				



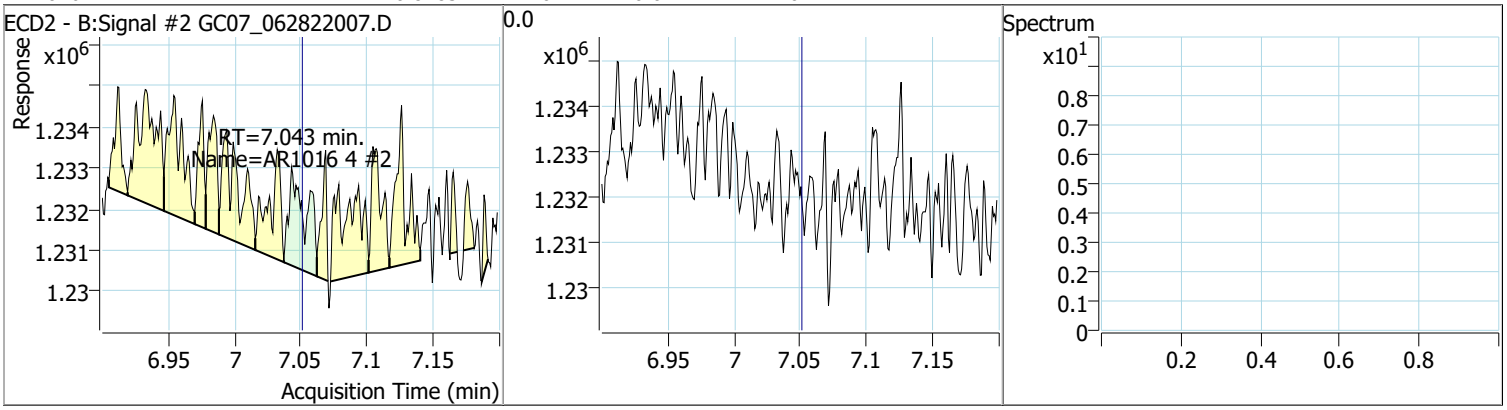
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1.1561	6.79	-0.02	9358				



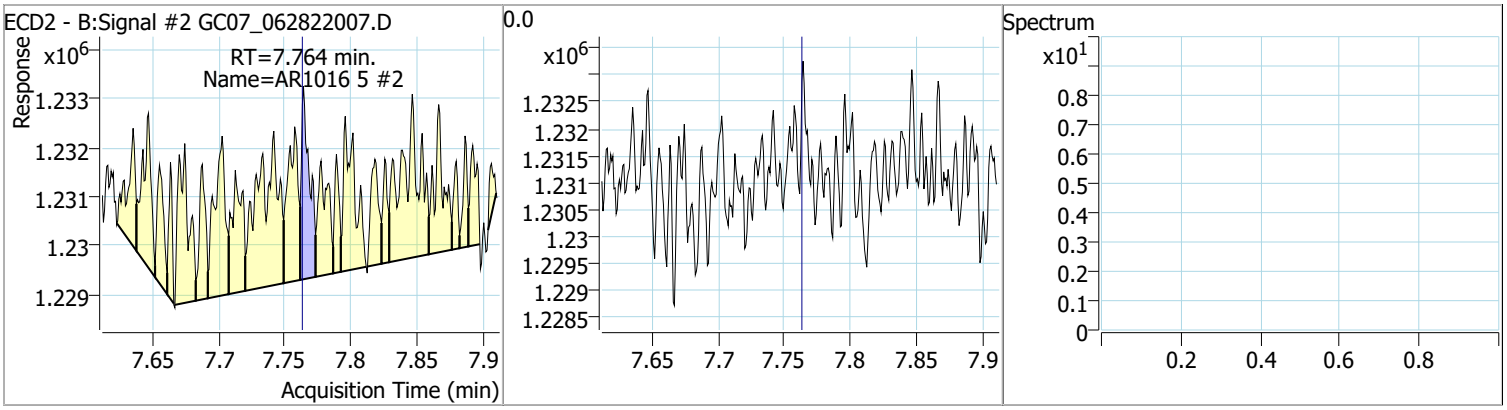
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	3.4016	6.84	-0.03	13418				



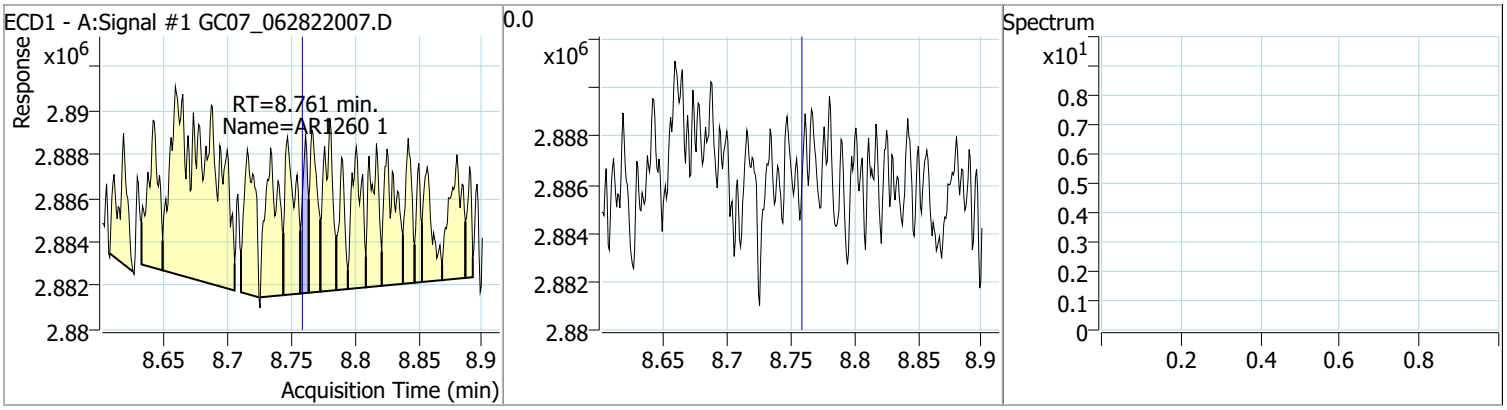
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.8183	7.04	-0.01	2240				



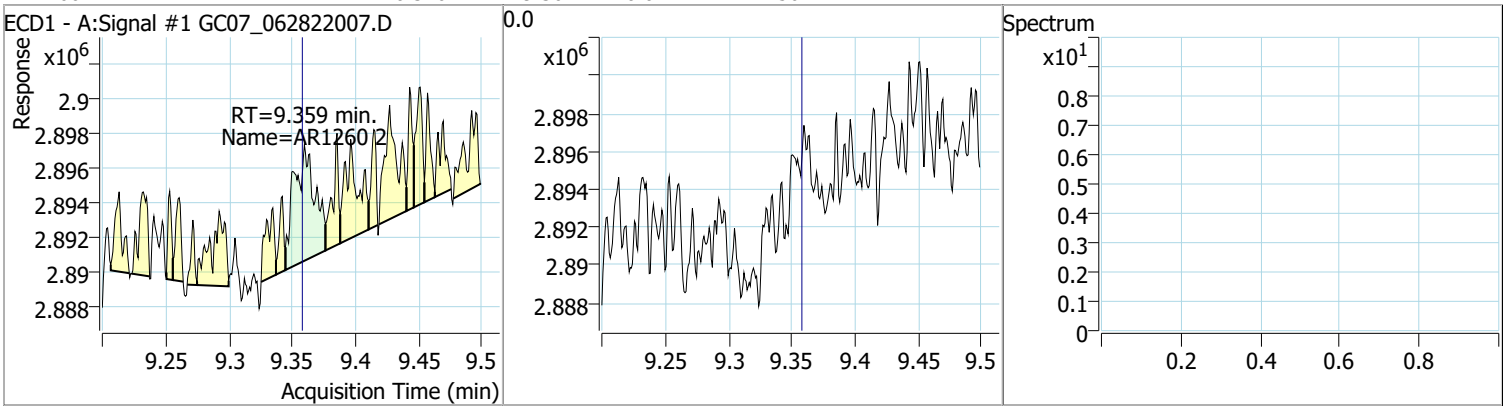
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.7281	7.76	0.00	1665				



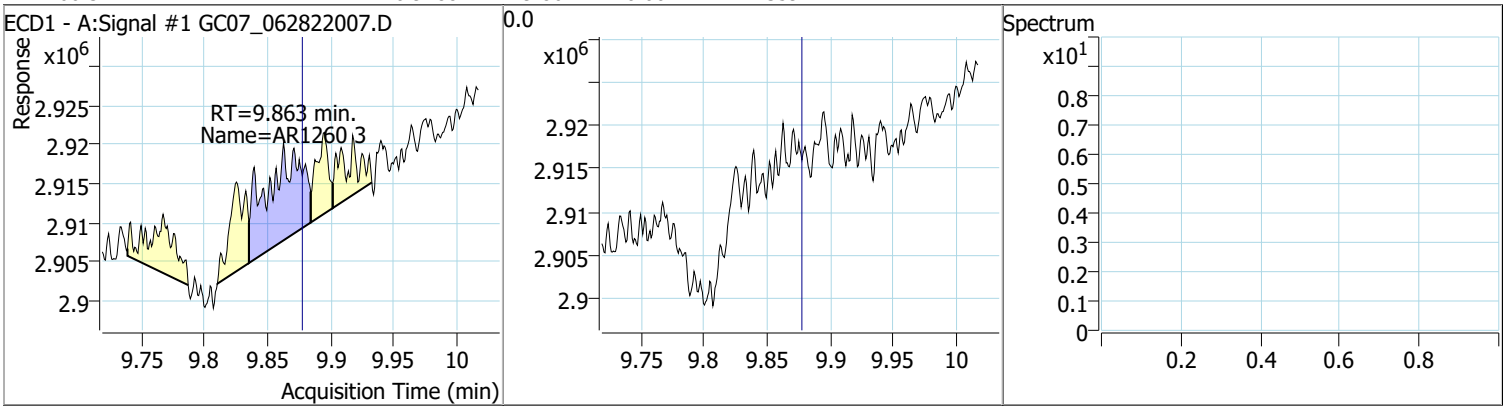
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	0.1229	8.76	0.02	2100				



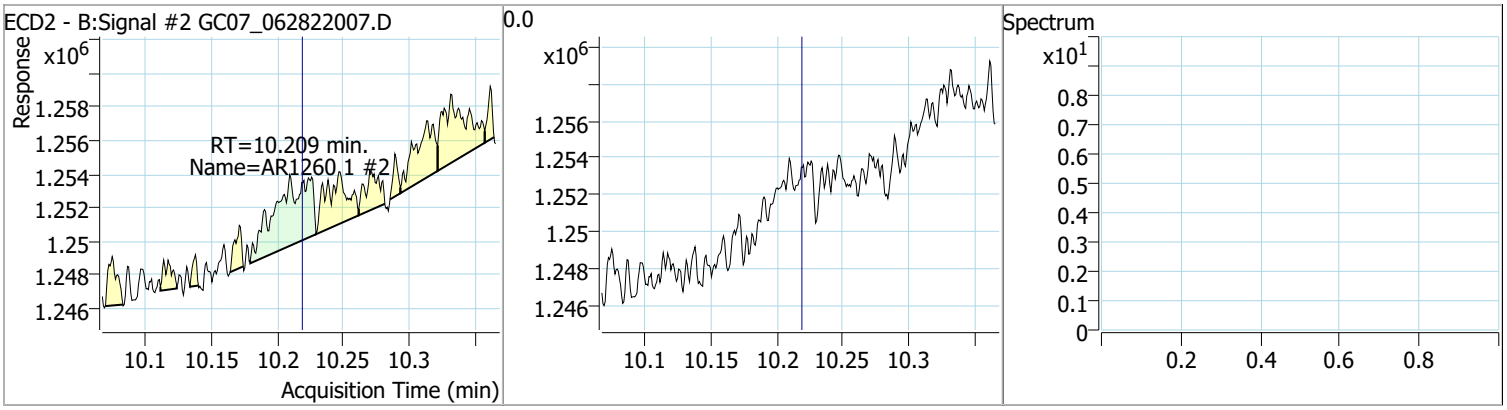
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.3161	9.36	0.02	7756				



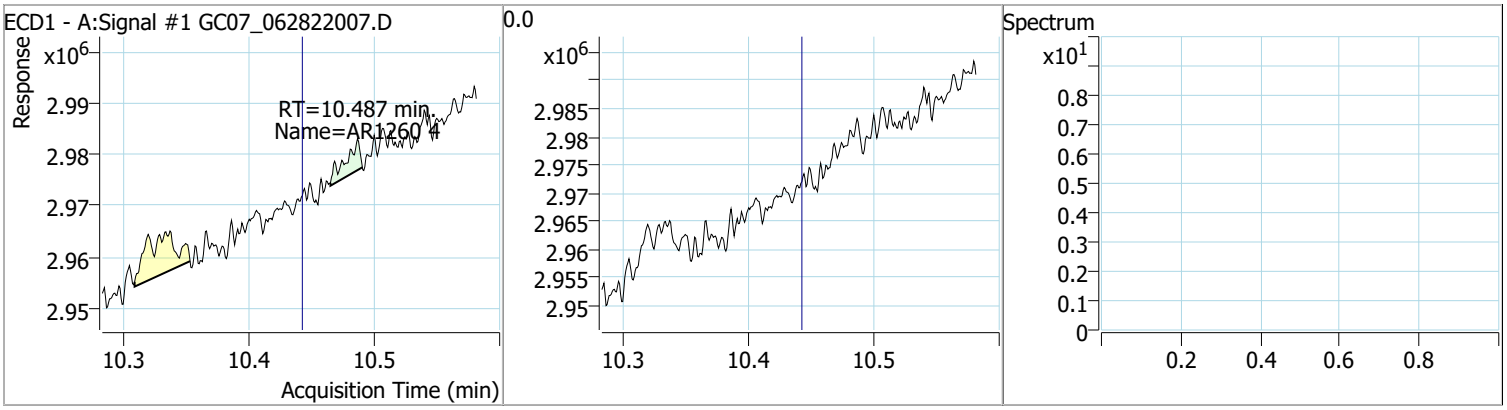
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	0.9488	9.86	0.00	23594				



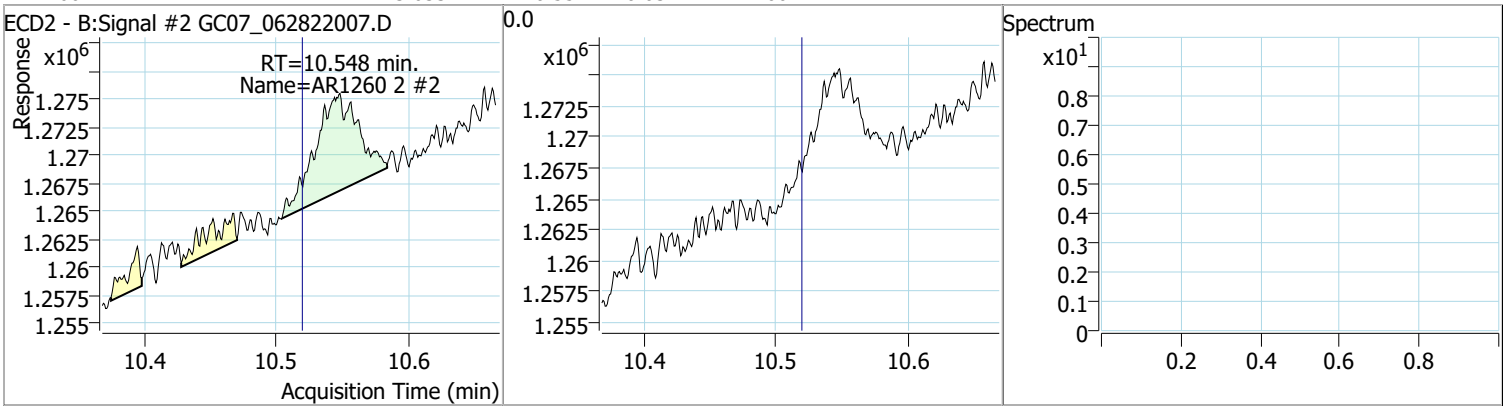
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1.5059	10.21	-0.01	7479				



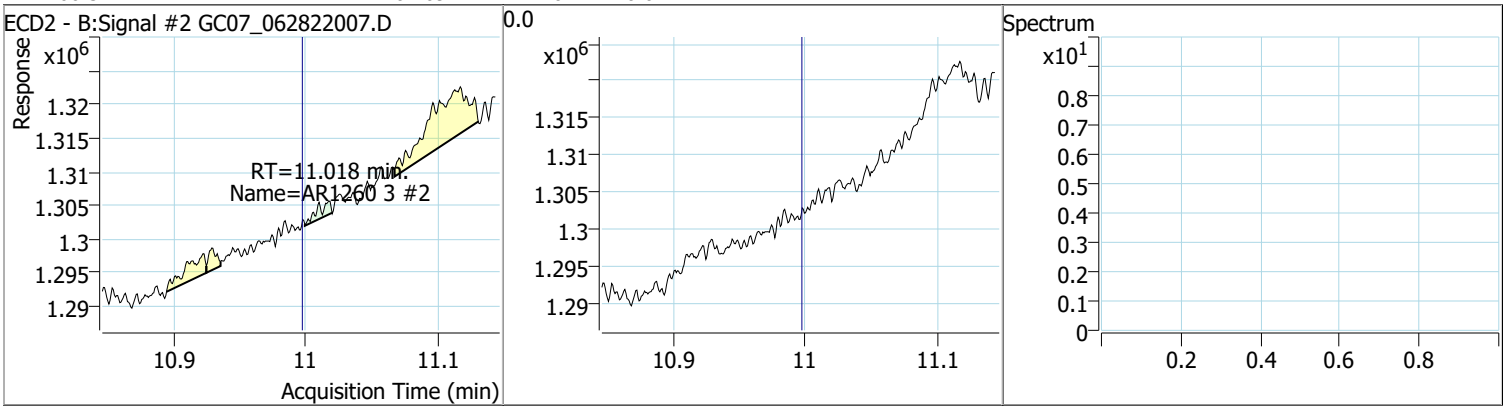
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	0.3897	10.49	0.06	4954				



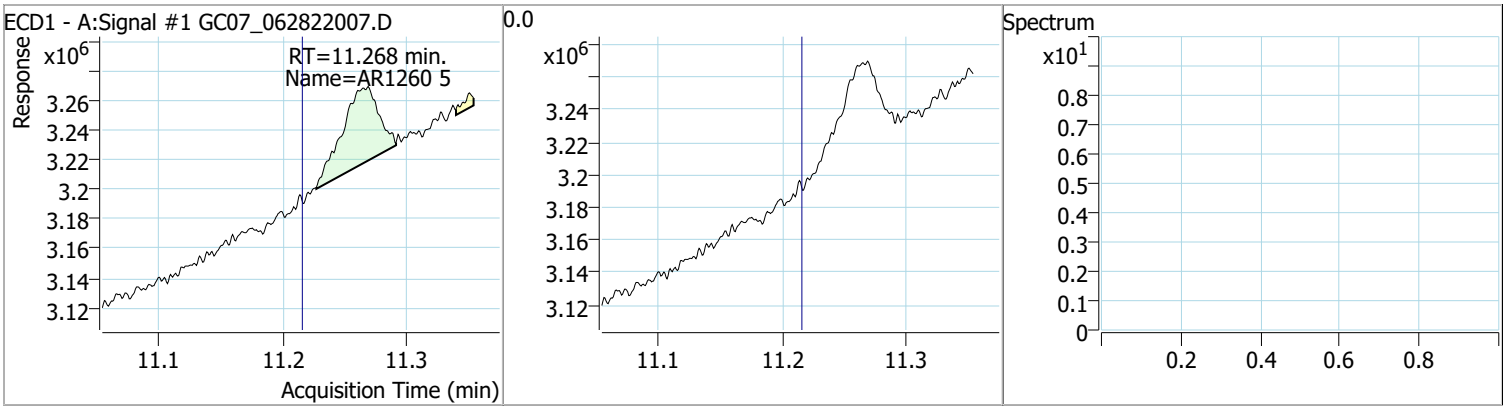
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	3.6332	10.55	0.03	20047				



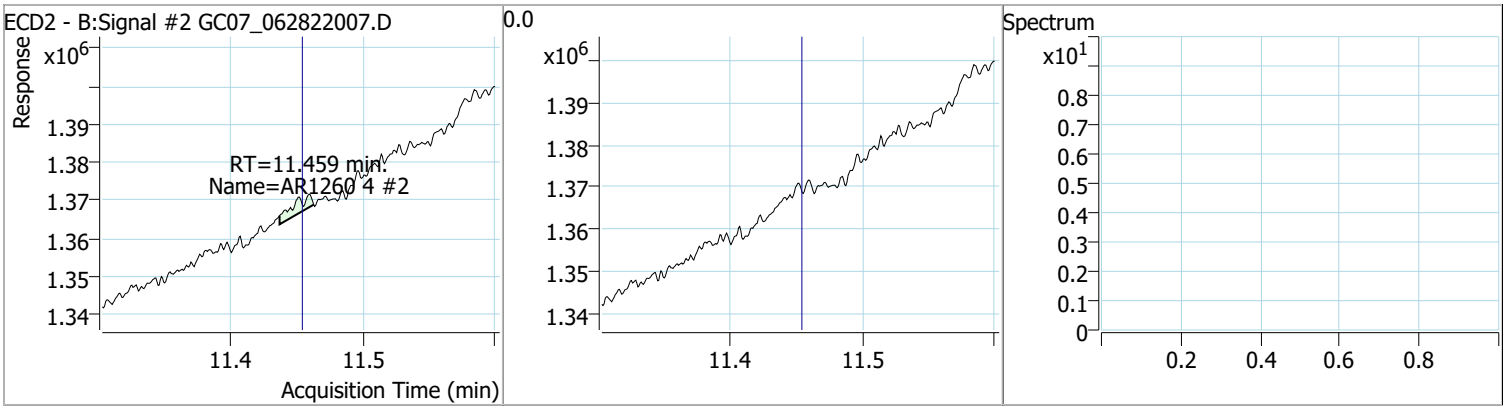
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	0.2094	11.02	0.02	1422				



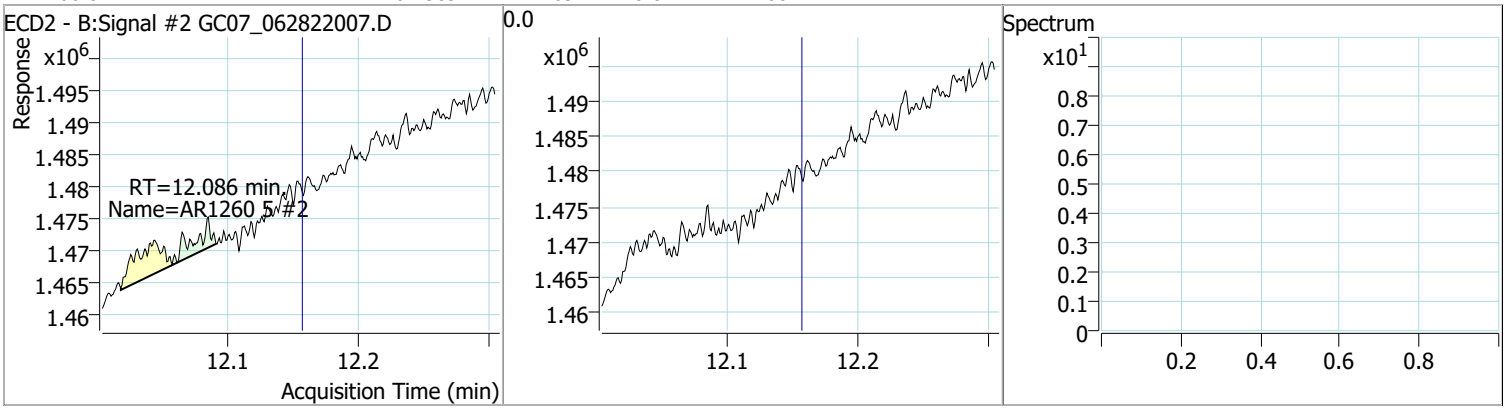
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	9.1788	11.27	0.07	107129				



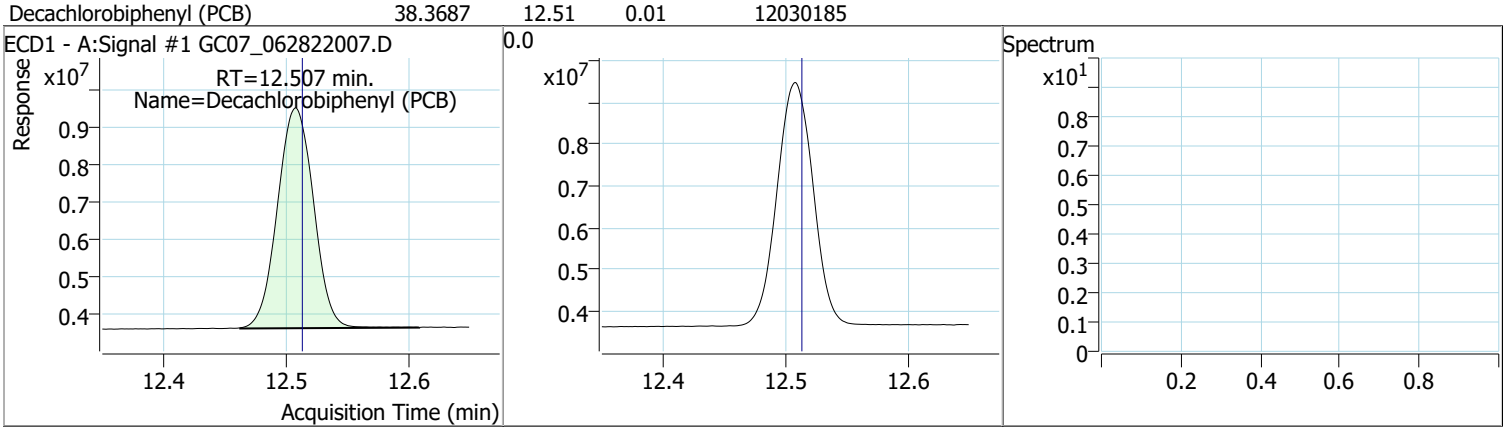
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1.0550	11.46	0.01	4020				



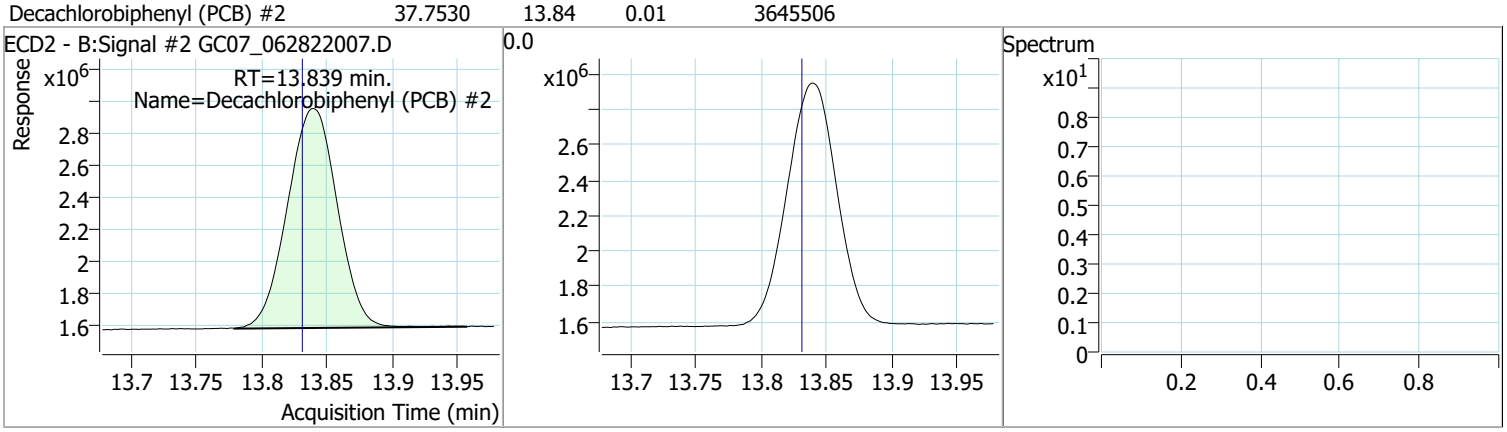
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	0.7309	12.09	-0.07	4002				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	38.3687	12.51	0.01	12030185				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	37.7530	13.84	0.01	3645506				



ENTHALPY SPIKE USER REPORT FOR 464405 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC07	Inst:	SVOA-GC07
Seqnum:	462258436008.4	Seqnum:	462258436009.4
File:	gc07_062822008	File:	gc07_062822009
IDF:	1.0	IDF:	1.0
Lab ID:	QC997362	Lab ID:	QC997363
Matrix:	Wipe	Matrix:	Wipe
Batch:	291960	Batch:	291960
Time:	28-JUN-2022 12:55	Time:	28-JUN-2022 13:13
Cal:	462252739001	Cal:	462252739001
Units:	ug/dm2		

- BS: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Aroclor-1016	5.000	403.1	4.031	B	81	446.6	4.466	B	89	60-140	10	20	u
Aroclor-1016 Peak # 1		405.7	4.057	B		453.0	4.530	B					
Aroclor-1016 Peak # 2		385.8	3.858	B		428.6	4.286	B					
Aroclor-1016 Peak # 3		408.9	4.089	B		446.9	4.469	B					
Aroclor-1016 Peak # 4		417.6	4.176	B		463.3	4.633	B					
Aroclor-1016 Peak # 5		397.5	3.975	B		441.1	4.411	B					
Aroclor-1260	5.000	435.5	4.355	B	87	484.5	4.845	B	97	60-140	11	20	u
Aroclor-1260 Peak # 1		403.5	4.035	B		440.9	4.409	B					
Aroclor-1260 Peak # 2		411.8	4.118	B		455.5	4.555	B					
Aroclor-1260 Peak # 3		419.6	4.196	B		464.1	4.641	B					
Aroclor-1260 Peak # 4		459.4	4.594	B		524.2	5.242	B					
Aroclor-1260 Peak # 5		483.2	4.832	B		537.6	5.376	B					
Surrogates													
TCMX (PCB)	0.5000	41.02	0.4102	B	82	45.08	0.4508	B	90	52-186			u
Decachlorobiphenyl (PCB)	0.5000	36.32	0.3632	B	73	39.78	0.3978	B	80	60-140			u

ISTD (CCV gc07_062822004)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1389469	1410452	1.51
1-bromo-2-nitrobenzene (PCB)	A	5233508	5058676	-3.34

ISTD (CCV gc07_062822004)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.25	4.25	0.00

ISTD (CCV gc07_062822004)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1389469	1222092	-12.05
1-bromo-2-nitrobenzene (PCB)	A	5233508	4449476	-14.98

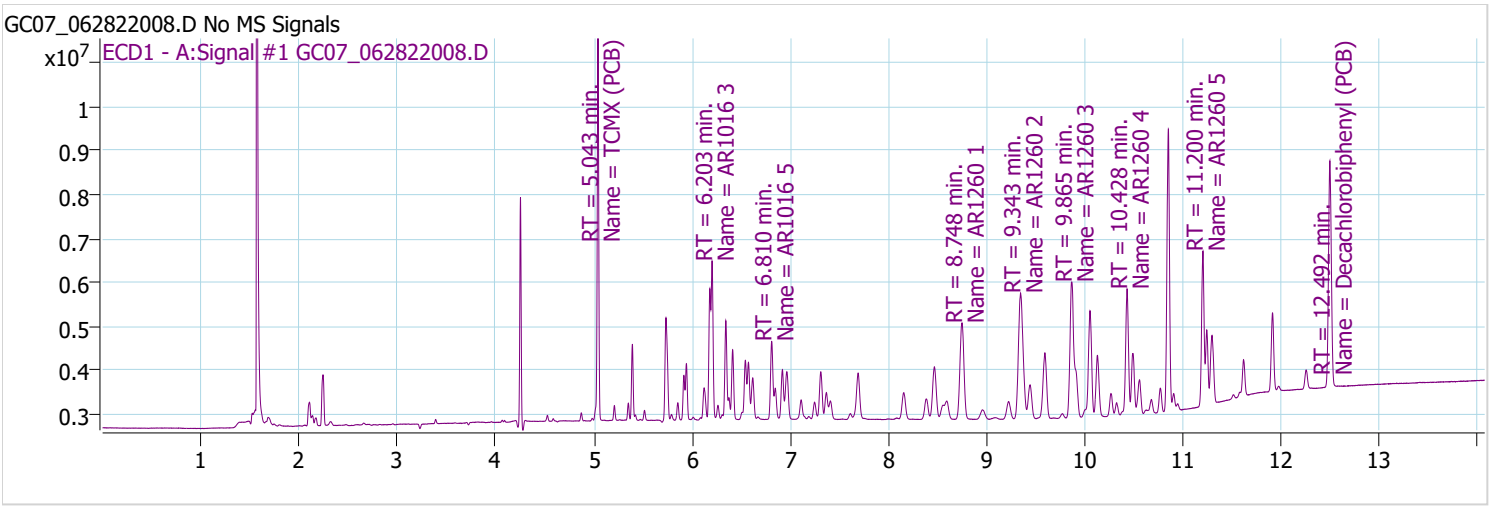
ISTD (CCV gc07_062822004)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.25	4.25	0.00

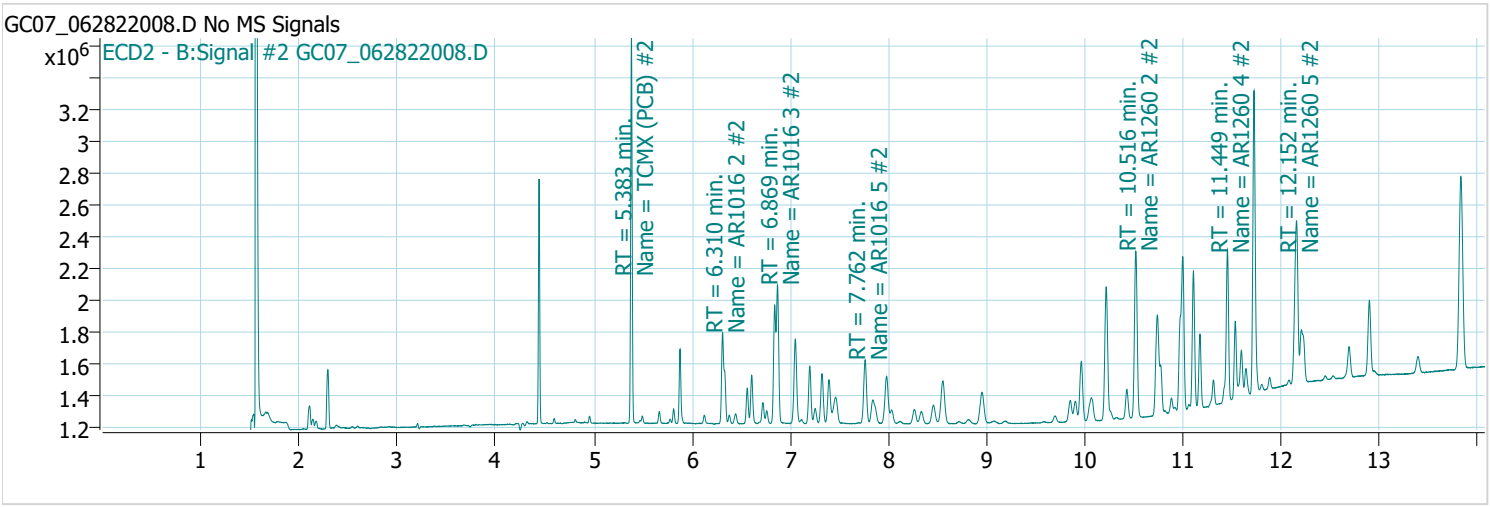
Analyst: TRN 06/28/22 *

Reviewer: SLL 06/28/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC07_062822008.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/28/2022 12:55:30 PM
Sample Name	QC997362, 291960, 1	Instrument	SVOA-GC07
Vial	2	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_2.m	Comment	Wipe/1s-20ml//3580 method
Tune File	ATUNE.U	Tune Date	
Batch Name	062822PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



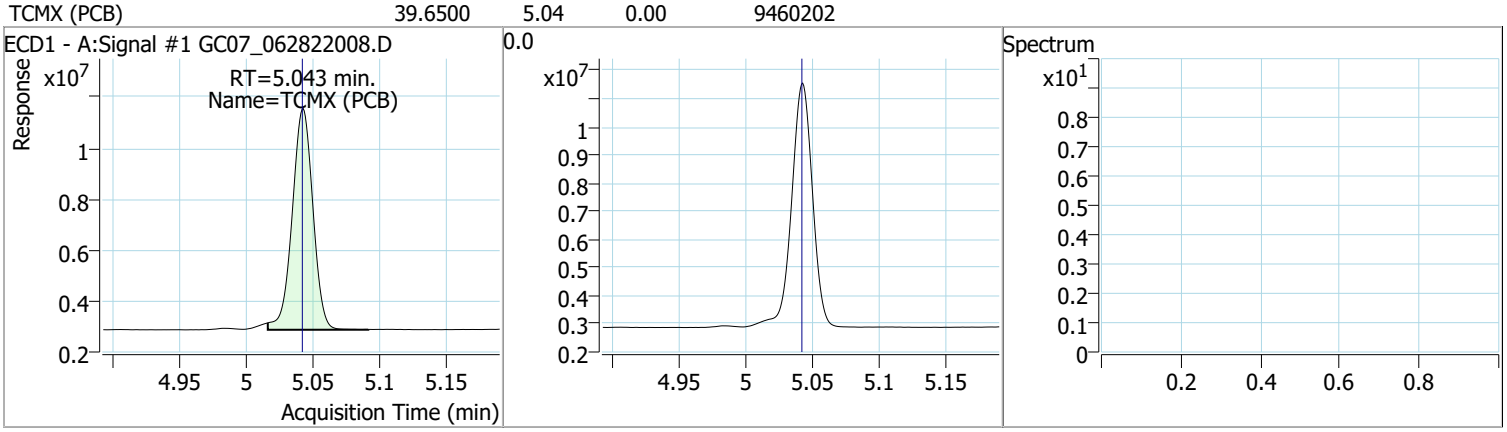


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.253	0.0	5058676.467	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.443	0.0	1410452.089	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.043	0.0	9460202.415	39.6500	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 198.25%		*	
S TCMX (PCB) #2	5.383	0.0	2624088.809	40.9949	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 204.97%		*	
S Decachlorobiphenyl (PCB)	12.492	0.0	10406788.809	36.8273	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 184.14%		*	
S Decachlorobiphenyl (PCB) #2	13.825	0.0	3152930.227	36.3027	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 181.51%		*	
Target Compounds							QValue

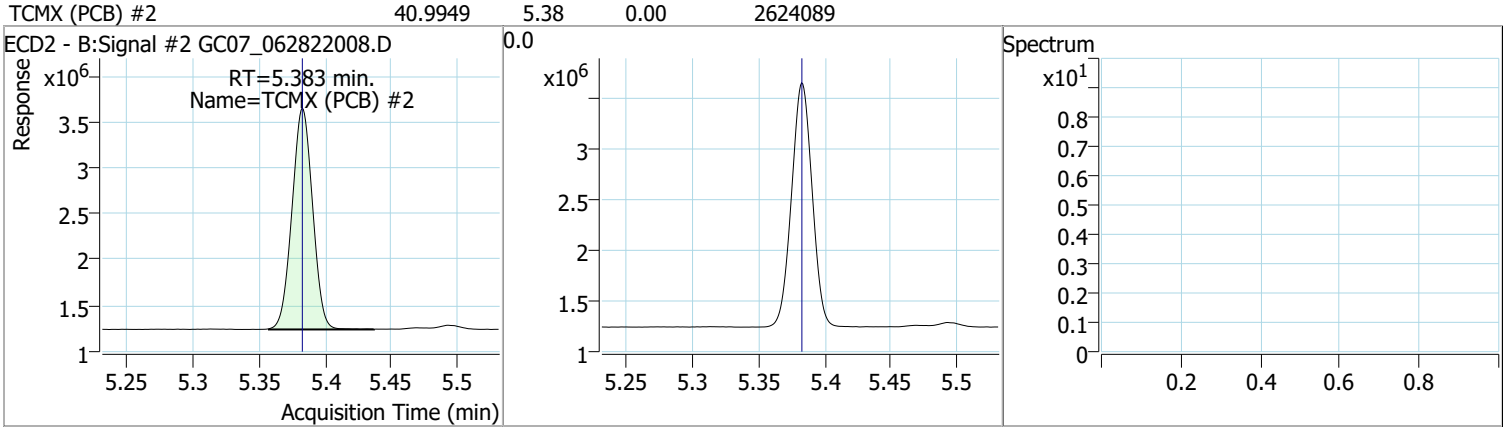
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.393	0.0	2042232.117	420.8091	ng/ml	100
T AR1016 2	5.734	0.0	4210470.418	400.3010	ng/ml	100
T AR1016 1 #2	5.878	0.0	575998.208	405.5196	ng/ml	100
T AR1016 3	6.203	0.0	4874919.647	400.2396	ng/ml	100
T AR1016 2 #2	6.310	0.0	1192689.140	385.6141	ng/ml	100
T AR1016 4	6.343	0.0	3265624.864	372.8404	ng/ml	100
T AR1016 5	6.810	0.0	3028156.847	415.0570	ng/ml	100
T AR1016 3 #2	6.869	0.0	1449905.228	408.6720	ng/ml	100
T AR1016 4 #2	7.051	0.0	1027616.874	417.3300	ng/ml	100
T AR1016 5 #2	7.762	0.0	817198.873	397.2938	ng/ml	100
T AR1260 1	8.748	0.0	6317455.797	410.0422	ng/ml	100
T AR1260 2	9.343	0.0	9460529.993	427.7555	ng/ml	100
T AR1260 3	9.865	0.0	9817623.664	438.0413	ng/ml	100
T AR1260 1 #2	10.214	0.0	1801651.437	403.3306	ng/ml	100
T AR1260 4	10.428	0.0	5414288.850	472.5549	ng/ml	100
T AR1260 2 #2	10.516	0.0	2042729.981	411.6085	ng/ml	100
T AR1260 3 #2	10.994	0.0	2561858.320	419.3940	ng/ml	100
T AR1260 5	11.200	0.0	6116539.008	581.4759	ng/ml	100
T AR1260 4 #2	11.449	0.0	1573508.524	459.1201	ng/ml	100
T AR1260 5 #2	12.152	0.0	2378192.787	482.8782	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

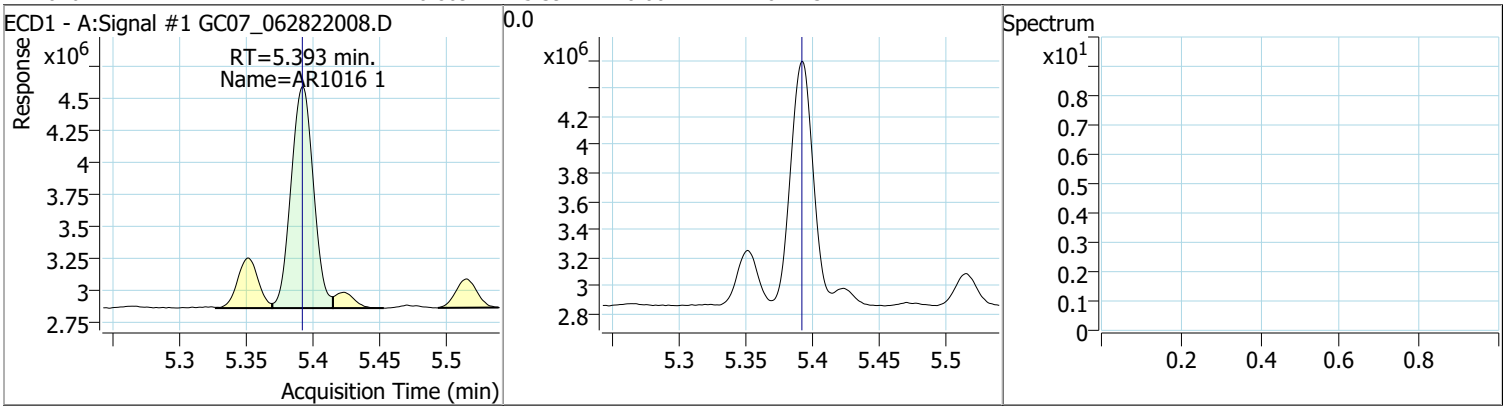
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.6500	5.04	0.00	9460202				



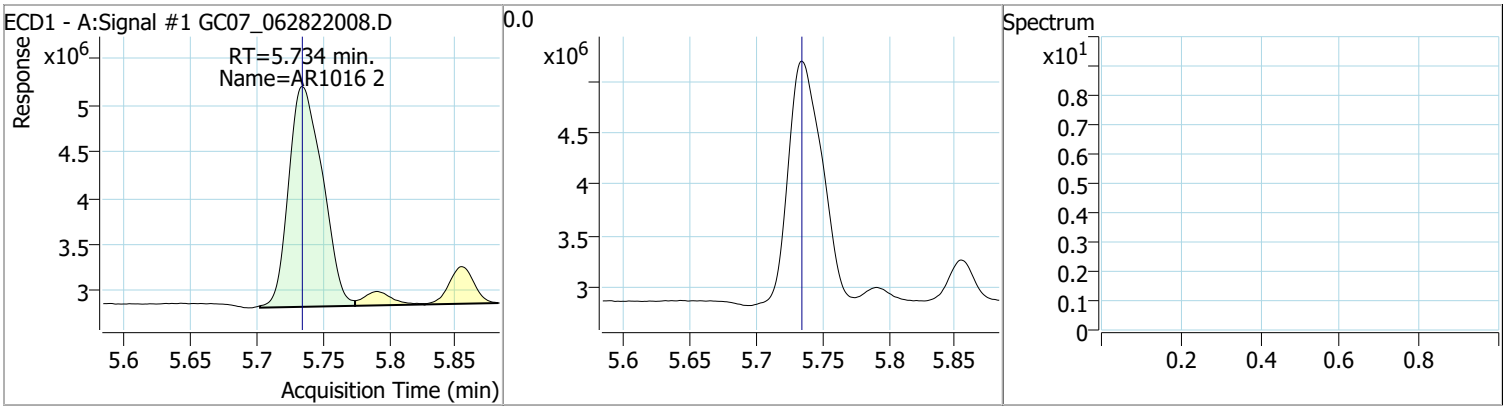
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	40.9949	5.38	0.00	2624089				



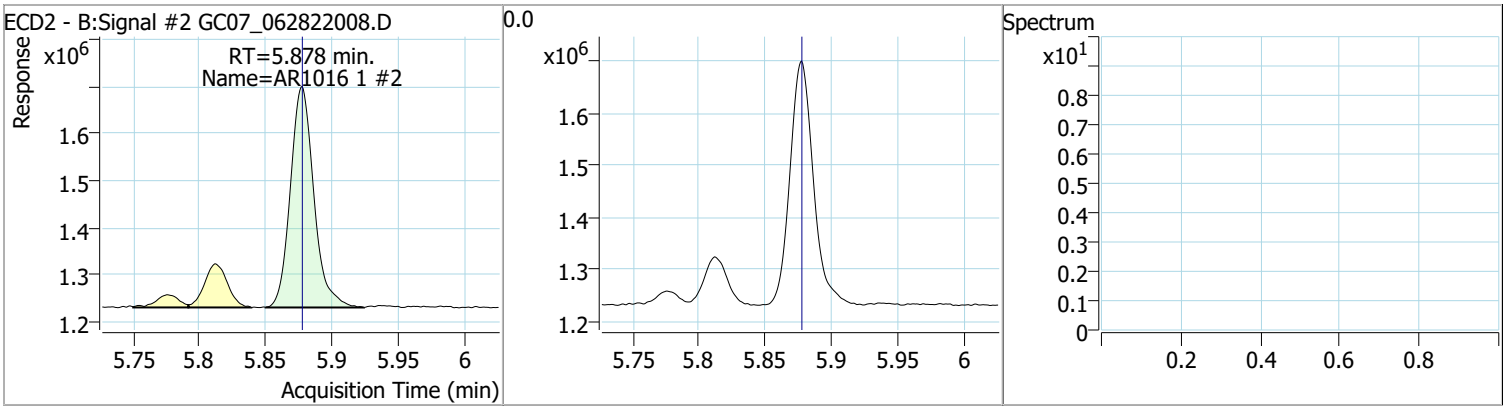
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	420.8091	5.39	0.00	2042232				



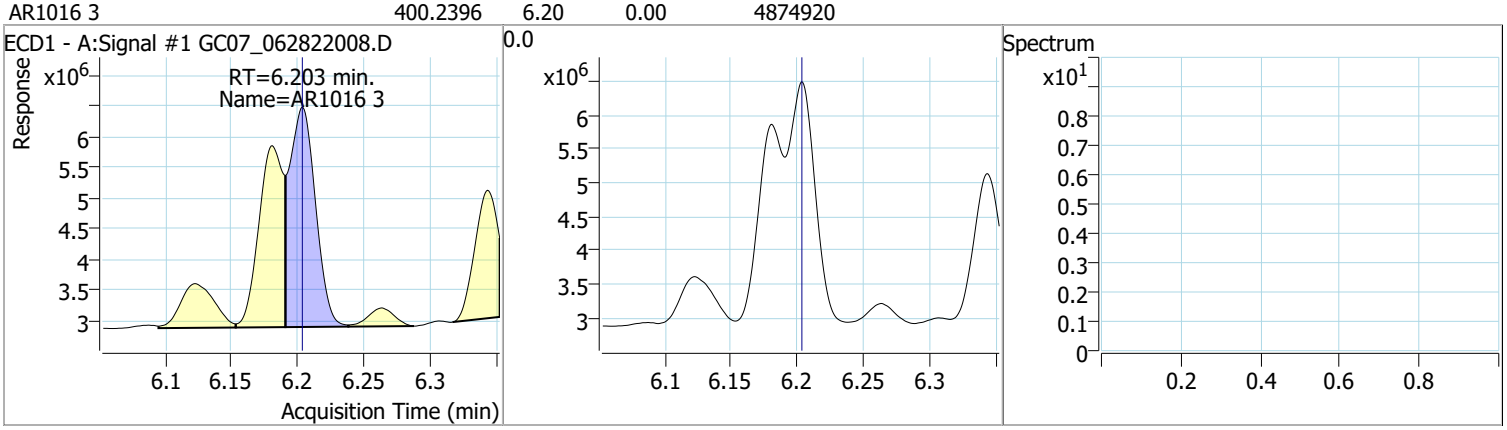
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	400.3010	5.73	0.00	4210470				



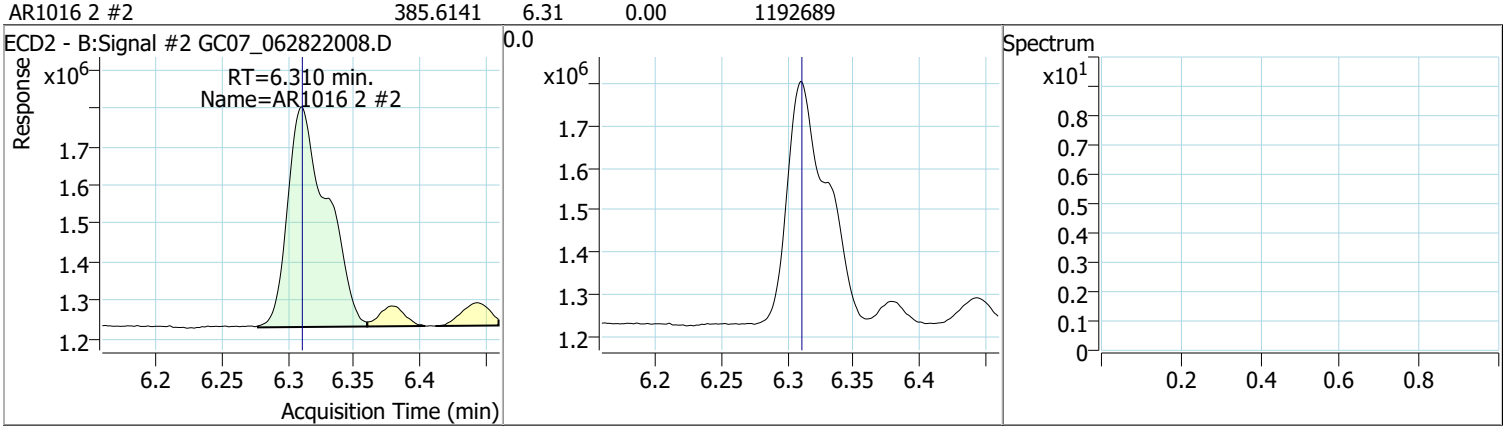
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	405.5196	5.88	0.00	575998				



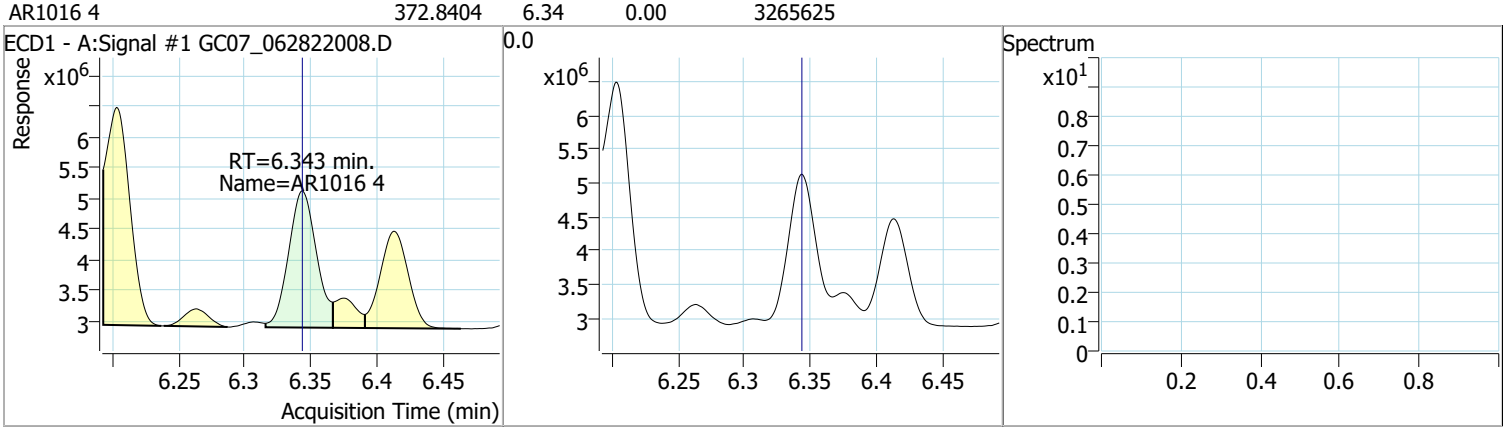
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	400.2396	6.20	0.00	4874920				



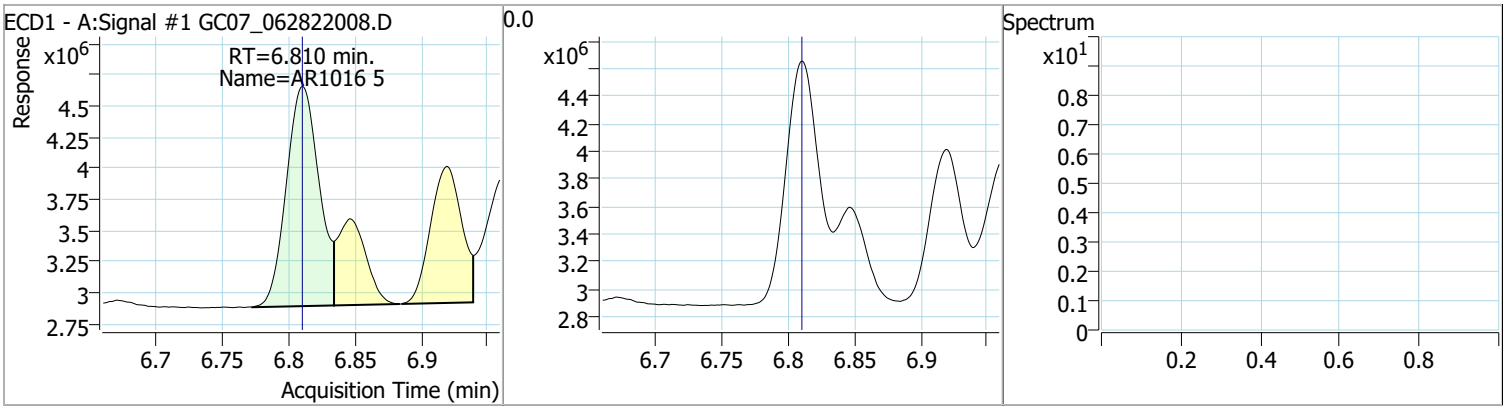
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	385.6141	6.31	0.00	1192689				



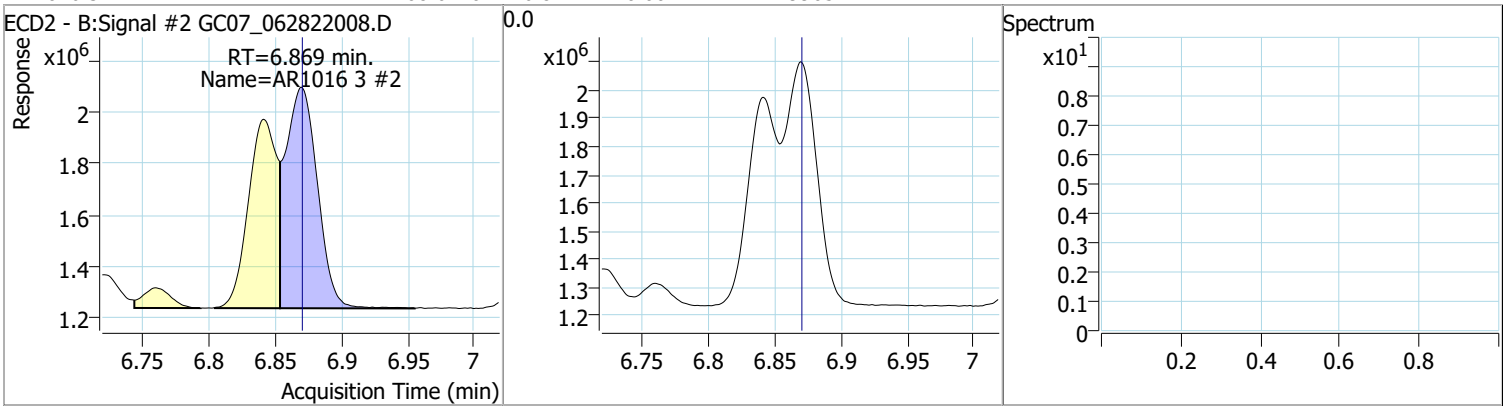
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	372.8404	6.34	0.00	3265625				



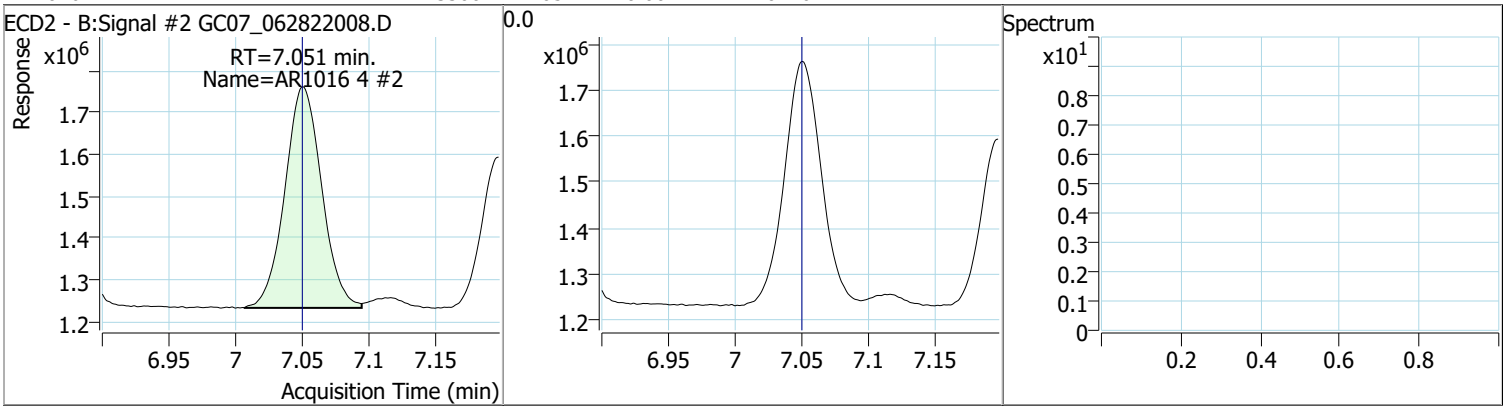
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	415.0570	6.81	0.00	3028157				



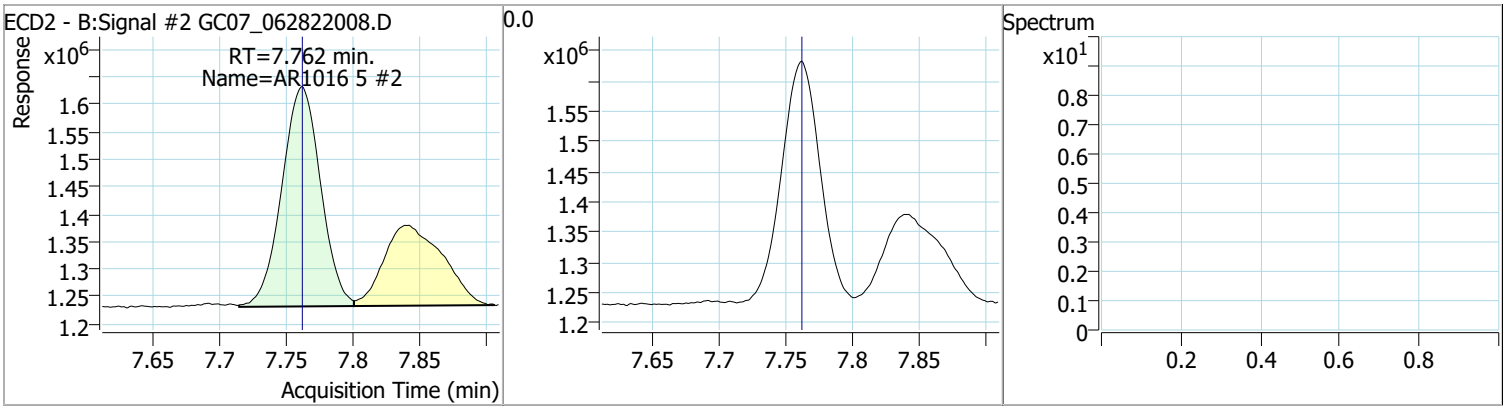
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	408.6720	6.87	0.00	1449905				



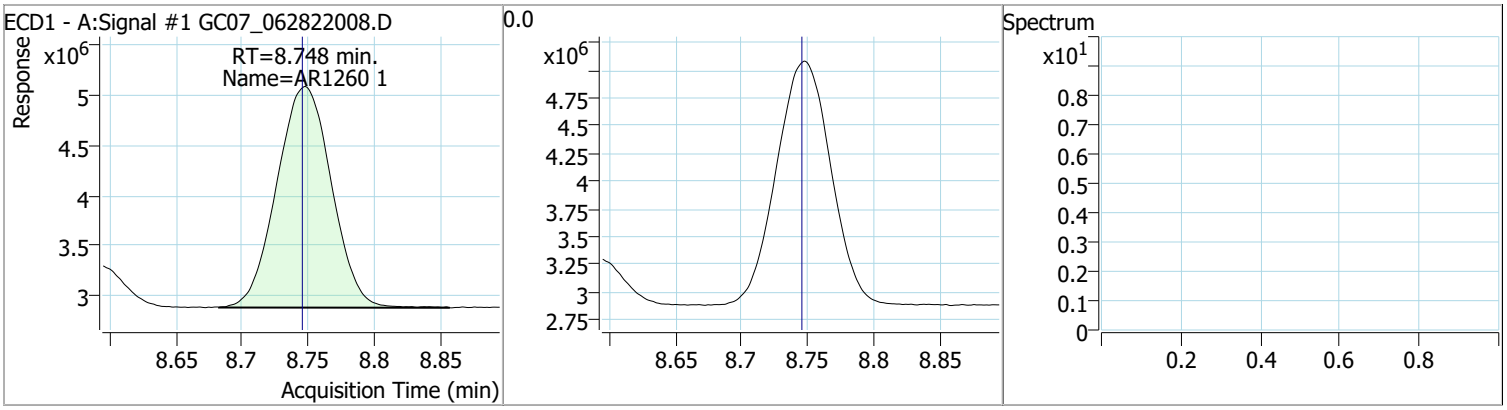
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	417.3300	7.05	0.00	1027617				



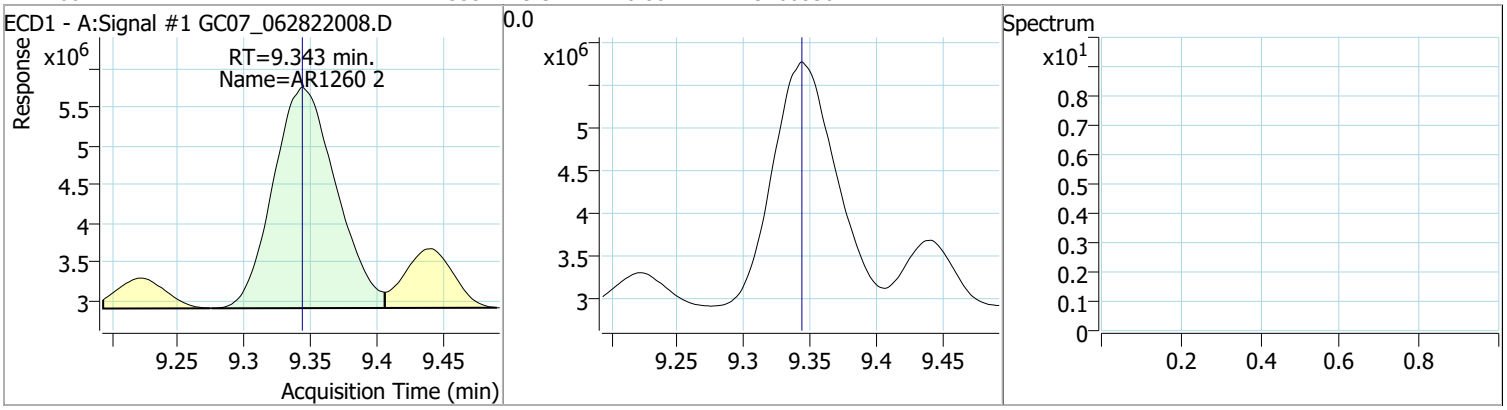
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	397.2938	7.76	0.00	817199				



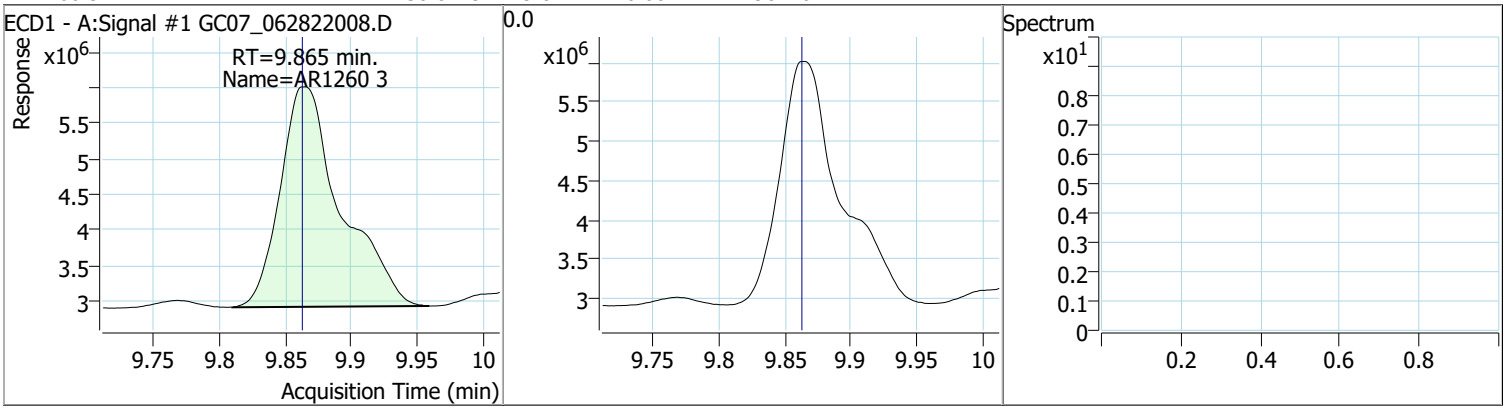
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	410.0422	8.75	0.00	6317456				



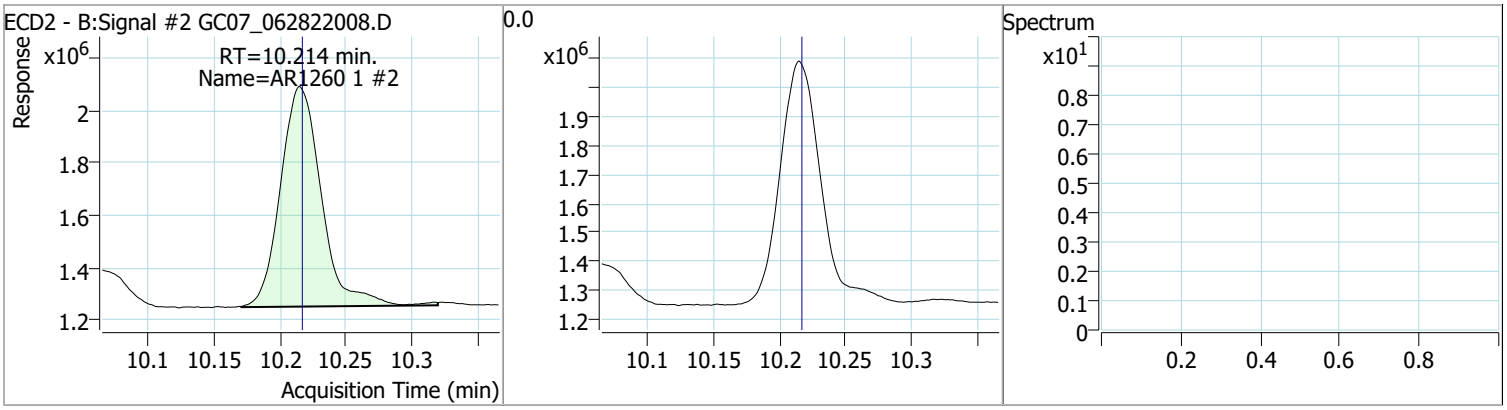
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	427.7555	9.34	0.00	9460530				



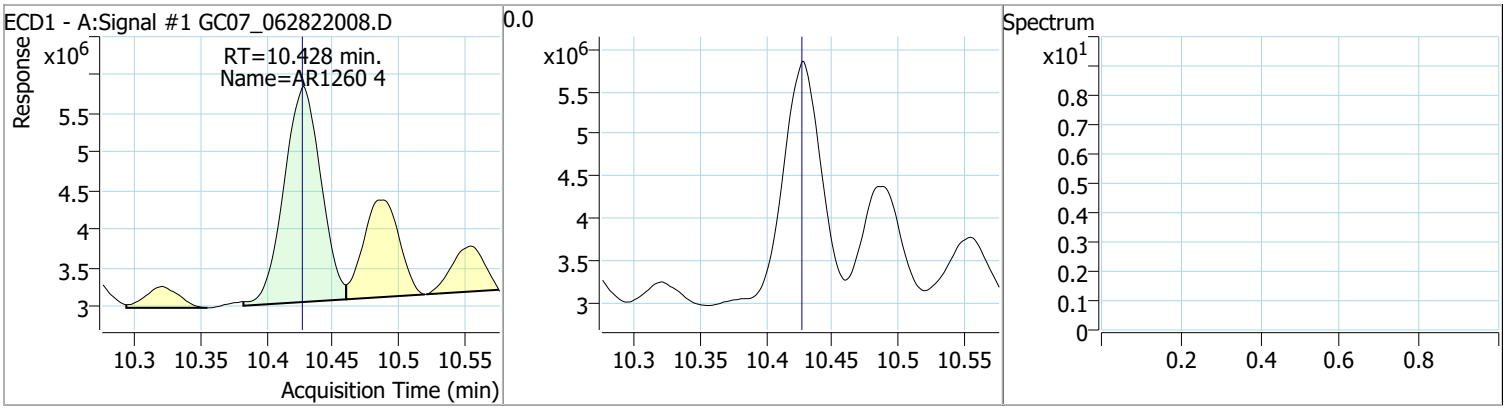
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	438.0413	9.87	0.00	9817624				



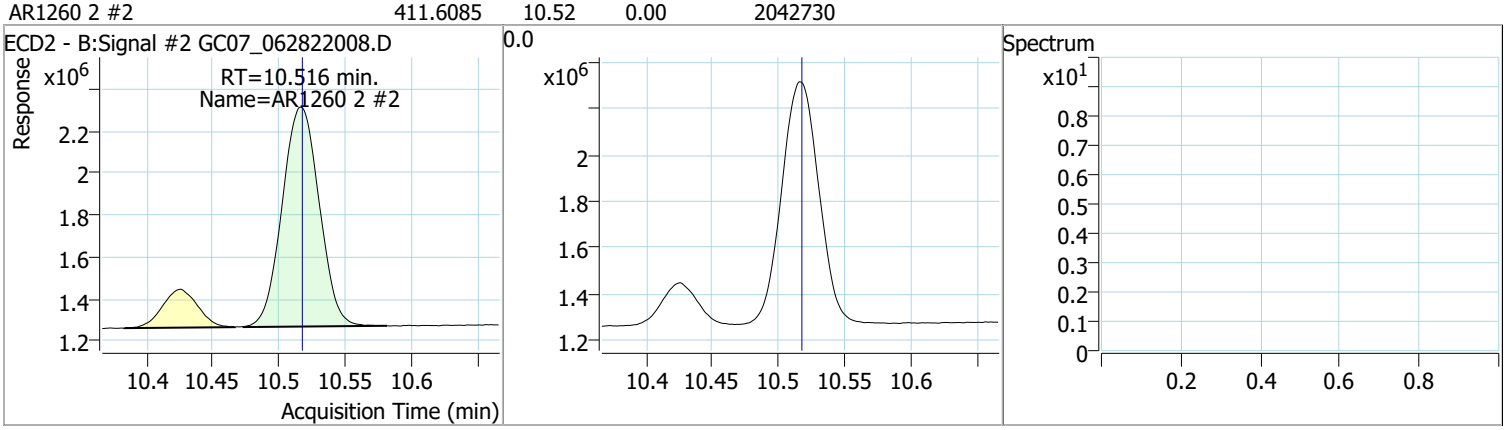
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	403.3306	10.21	0.00	1801651				



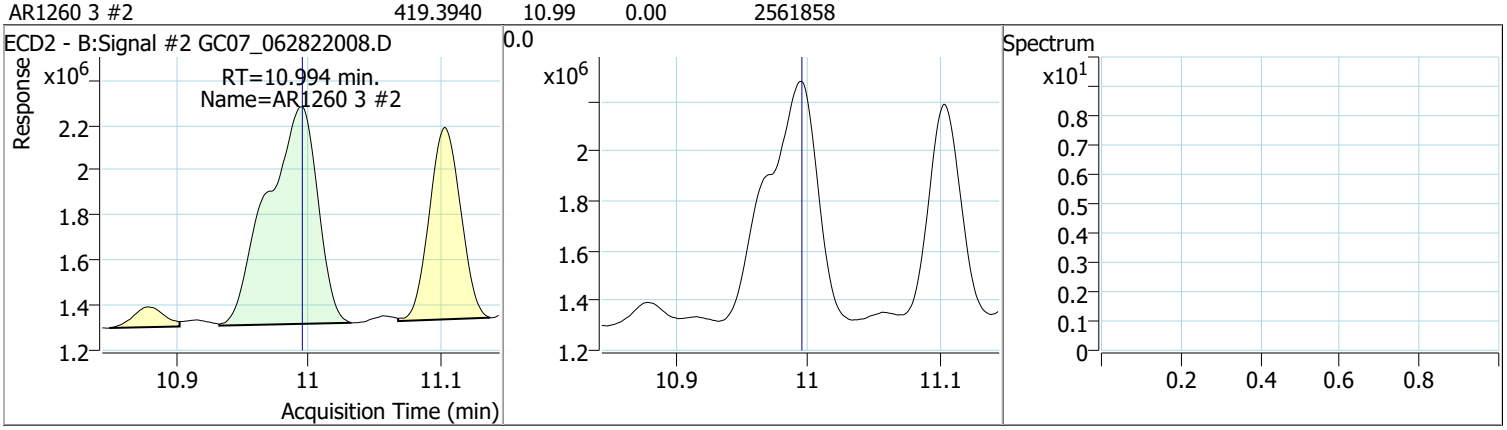
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	472.5549	10.43	0.00	5414289				



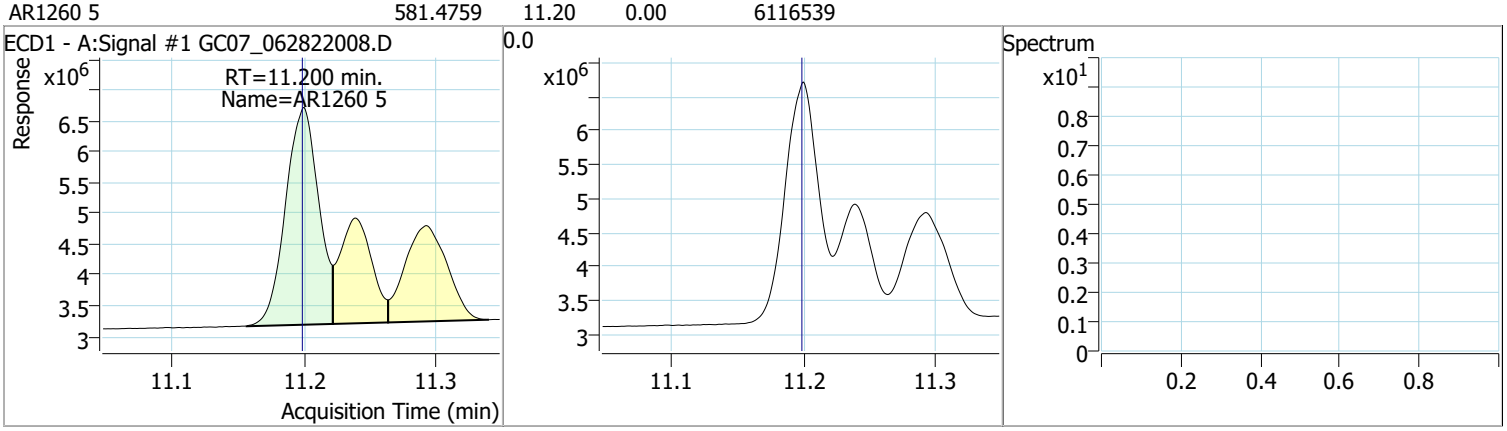
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	411.6085	10.52	0.00	2042730				



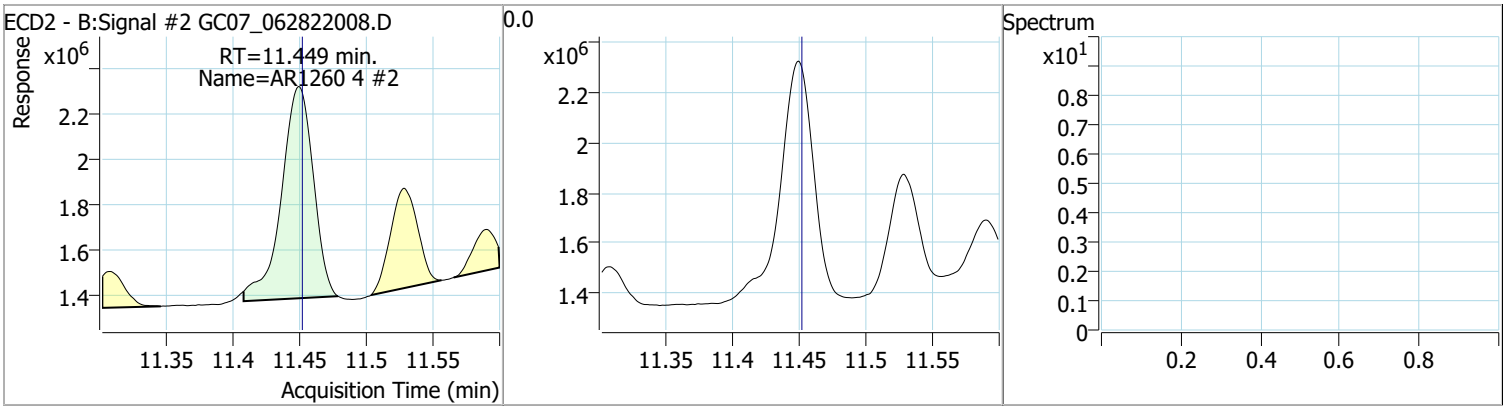
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	419.3940	10.99	0.00	2561858				



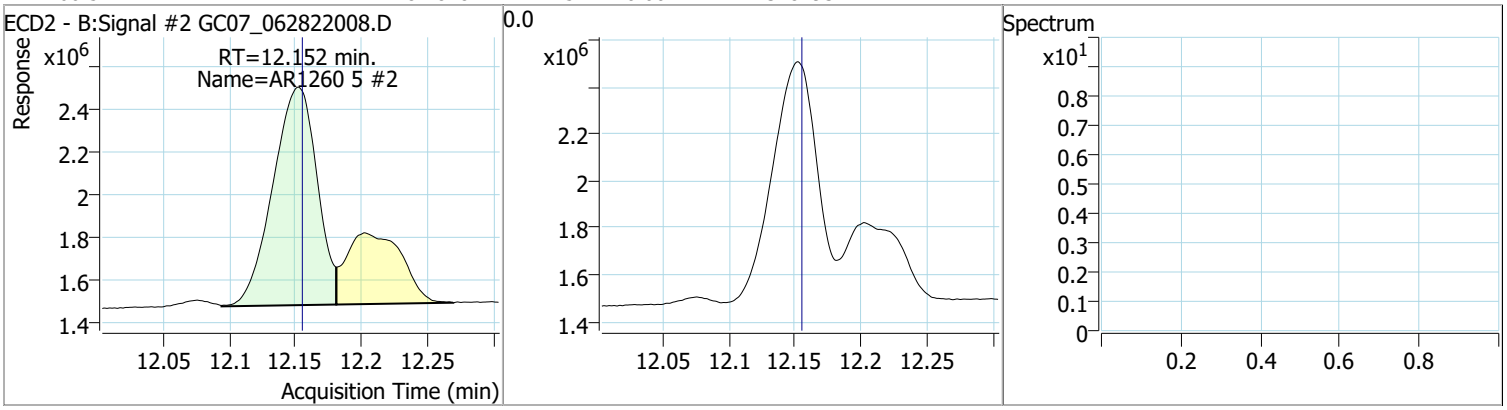
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	581.4759	11.20	0.00	6116539				



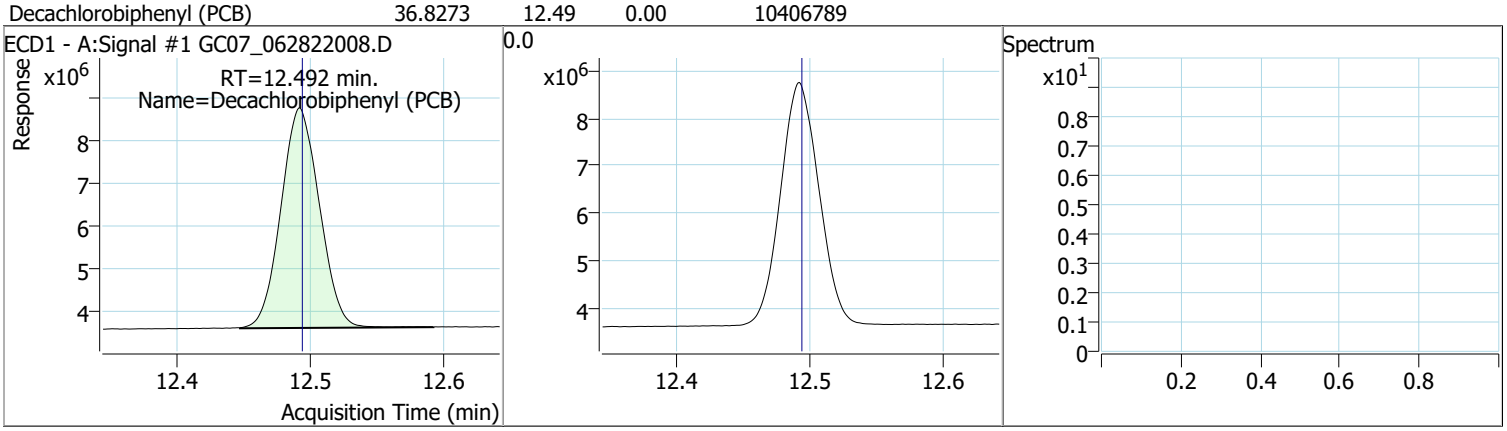
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	459.1201	11.45	0.00	1573509				



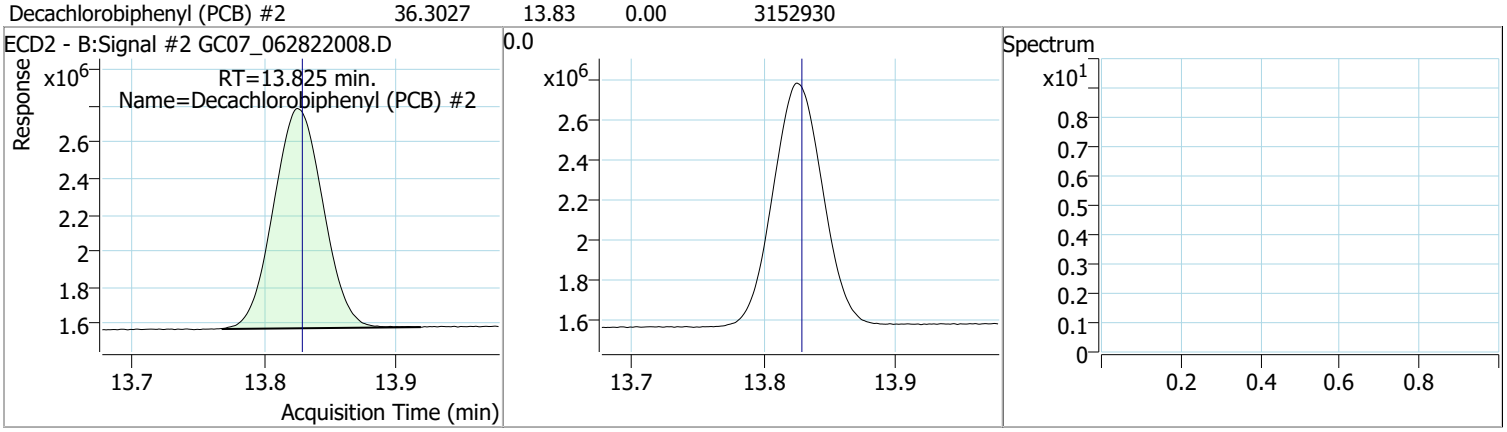
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	482.8782	12.15	0.00	2378193				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	36.8273	12.49	0.00	10406789				

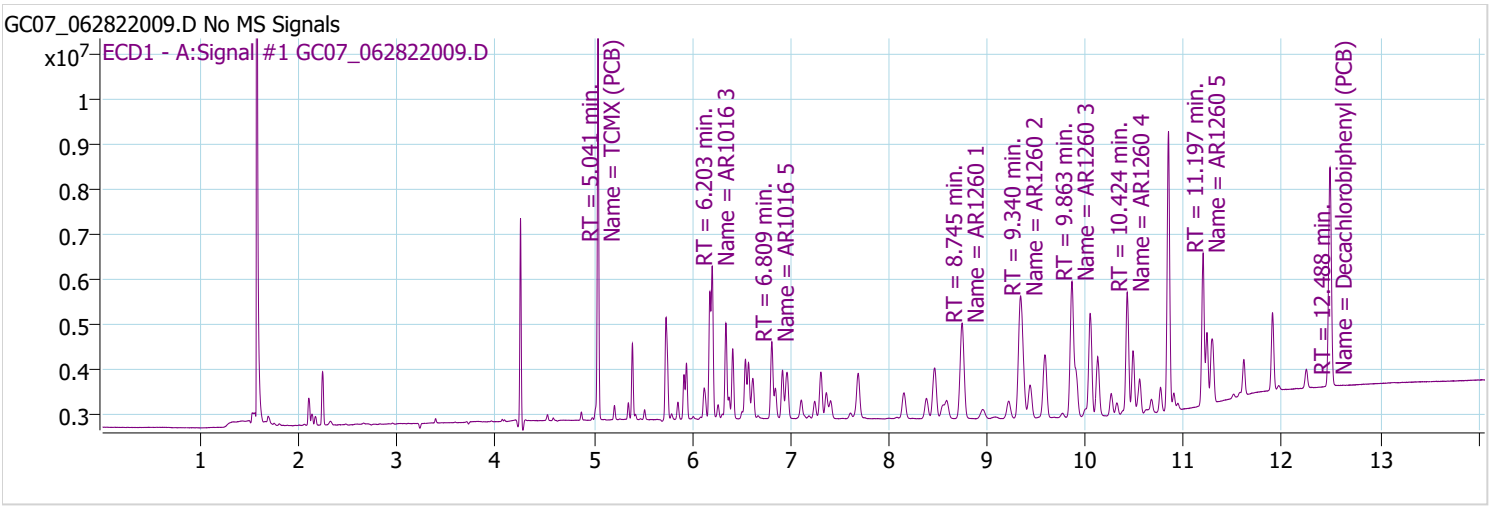


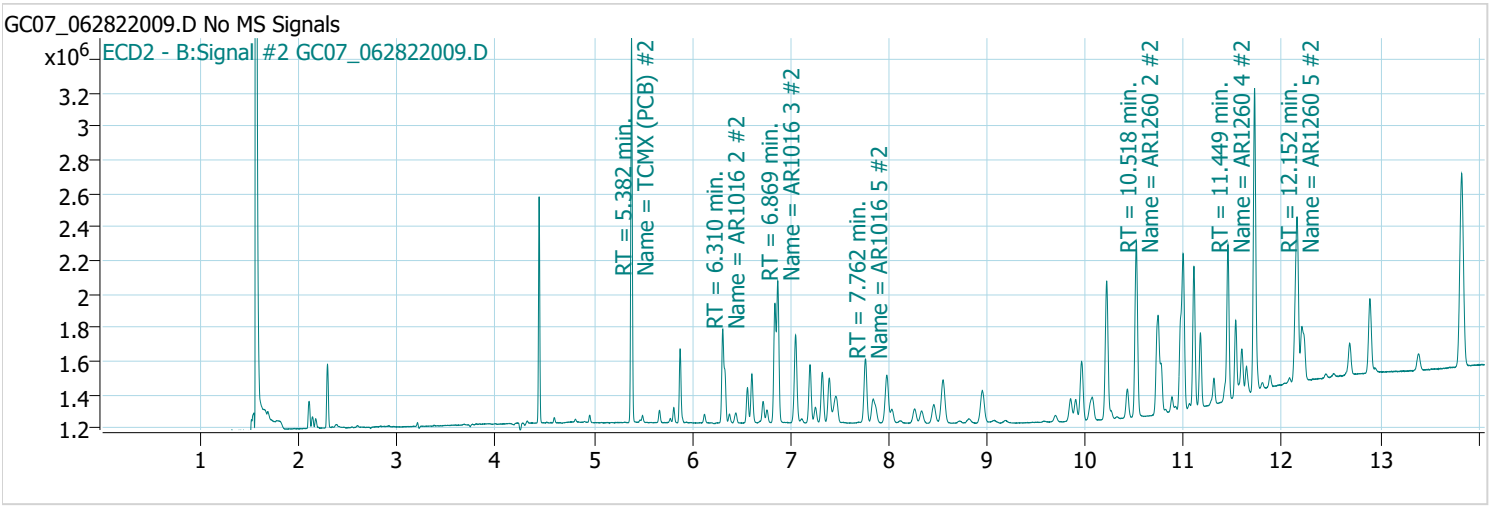
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	36.3027	13.83	0.00	3152930				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062822009.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/28/2022 1:13:07 PM
Sample Name	QC997363, 291960, 1	Instrument	SVOA-GC07
Vial	3	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_2.m	Comment	Wipe/1s-20ml//3580 method
Tune File	ATUNE.U	Tune Date	
Batch Name	062822PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



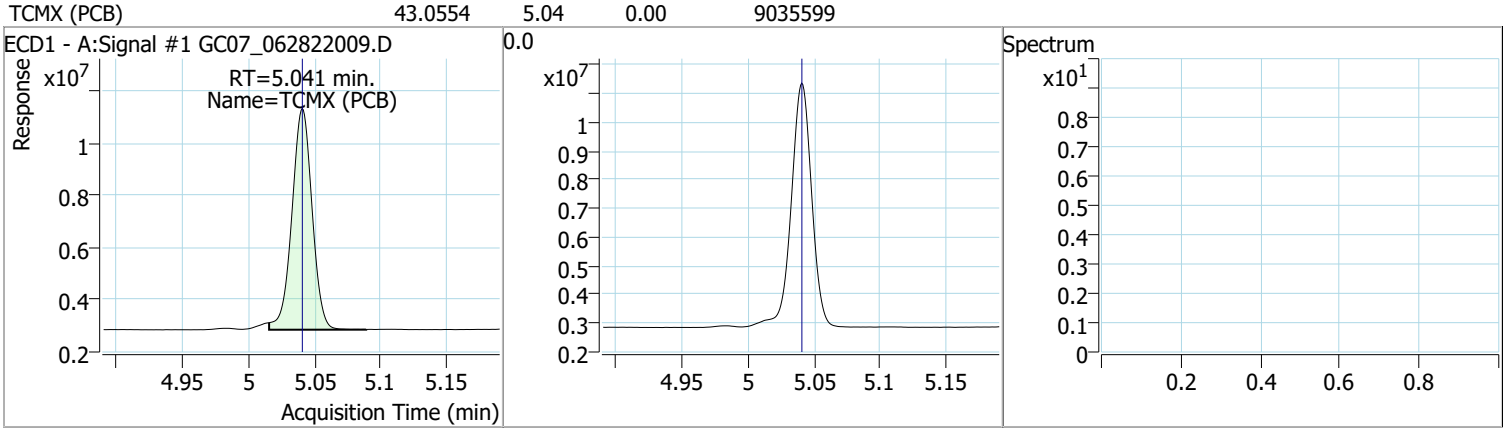


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.253	0.0	4449476.241	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.442	0.0	1222092.350	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.041	0.0	9035599.370	43.0554	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 215.28%		*	
S TCMX (PCB) #2	5.382	0.0	2498680.162	45.0522	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 225.26%		*	
S Decachlorobiphenyl (PCB)	12.488	0.0	9805102.956	39.4487	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 197.24%		*	
S Decachlorobiphenyl (PCB) #2	13.827	0.0	2992007.587	39.7595	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 198.80%		*	
Target Compounds							QValue

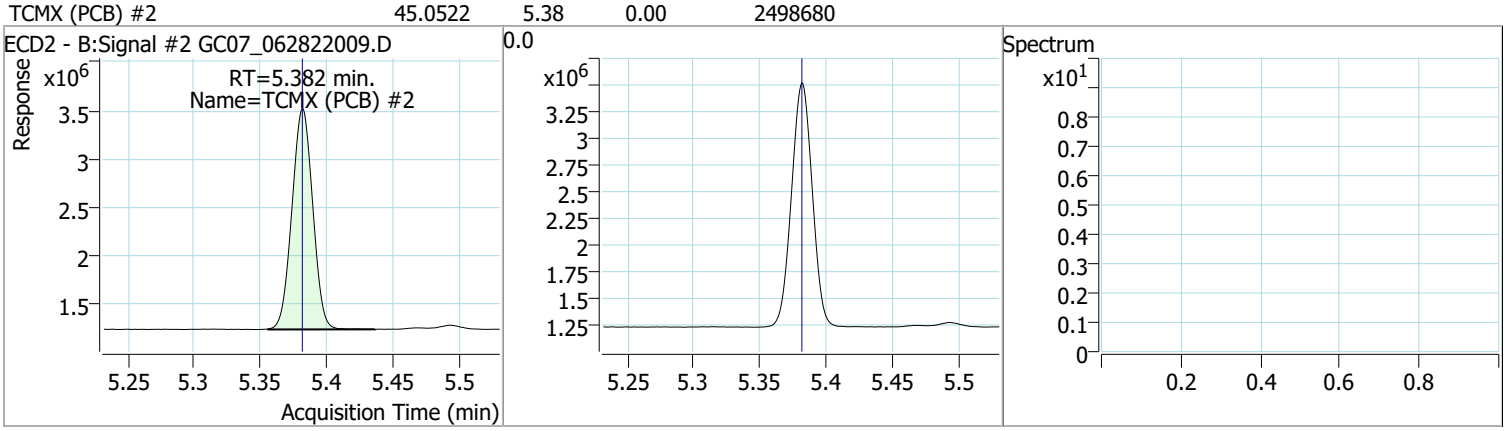
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.391	0.0	1973969.240	462.4326	ng/ml	100
T AR1016 2	5.733	0.0	4050822.776	437.8520	ng/ml	100
T AR1016 1 #2	5.876	0.0	557257.500	452.7943	ng/ml	100
T AR1016 3	6.203	0.0	4858461.739	453.5021	ng/ml	100
T AR1016 2 #2	6.310	0.0	1147889.416	428.3314	ng/ml	100
T AR1016 4	6.342	0.0	3144819.478	408.2069	ng/ml	100
T AR1016 5	6.809	0.0	2914913.189	454.2376	ng/ml	100
T AR1016 3 #2	6.869	0.0	1372946.151	446.6251	ng/ml	100
T AR1016 4 #2	7.051	0.0	987850.941	463.0140	ng/ml	100
T AR1016 5 #2	7.762	0.0	785729.192	440.8707	ng/ml	100
T AR1260 1	8.745	0.0	6045608.075	446.1227	ng/ml	100
T AR1260 2	9.340	0.0	9046023.934	465.0139	ng/ml	100
T AR1260 3	9.863	0.0	9428328.501	478.2681	ng/ml	100
T AR1260 1 #2	10.215	0.0	1705391.699	440.6247	ng/ml	100
T AR1260 4	10.424	0.0	5291483.081	525.0688	ng/ml	100
T AR1260 2 #2	10.518	0.0	1957607.057	455.2535	ng/ml	100
T AR1260 3 #2	10.993	0.0	2454846.417	463.8160	ng/ml	100
T AR1260 5	11.197	0.0	5865572.439	633.9637	ng/ml	100
T AR1260 4 #2	11.449	0.0	1555851.248	523.9377	ng/ml	100
T AR1260 5 #2	12.152	0.0	2292950.445	537.3281	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

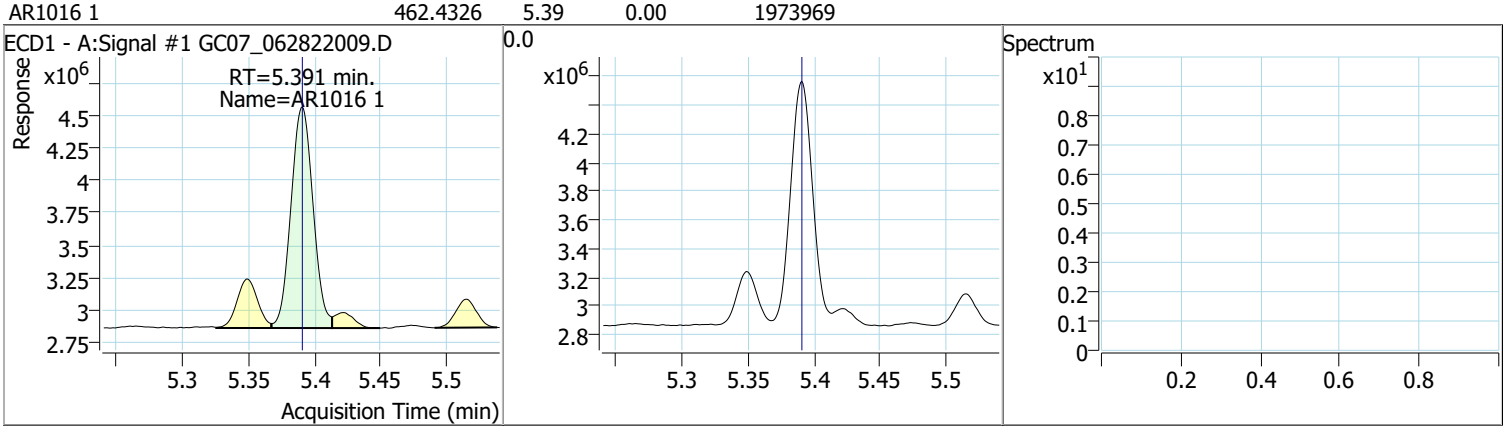
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	43.0554	5.04	0.00	9035599				



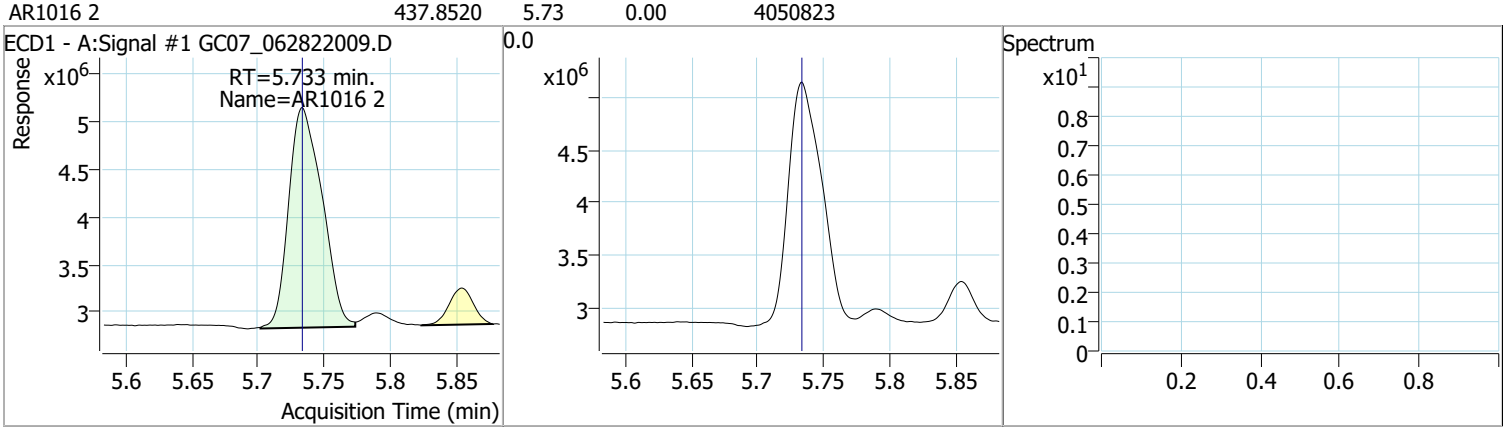
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	45.0522	5.38	0.00	2498680				



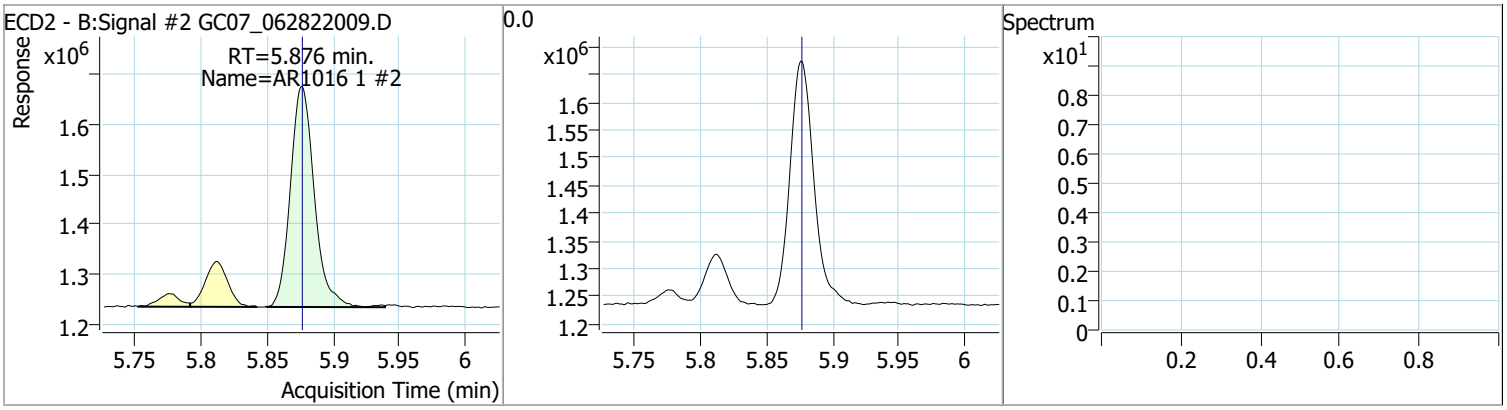
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	462.4326	5.39	0.00	1973969				



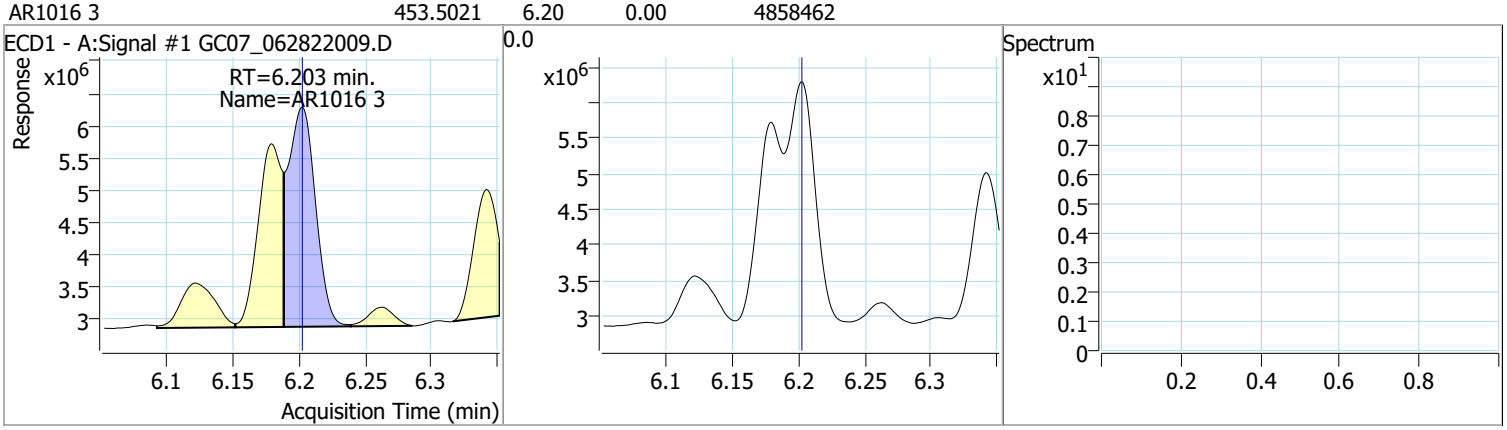
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	437.8520	5.73	0.00	4050823				



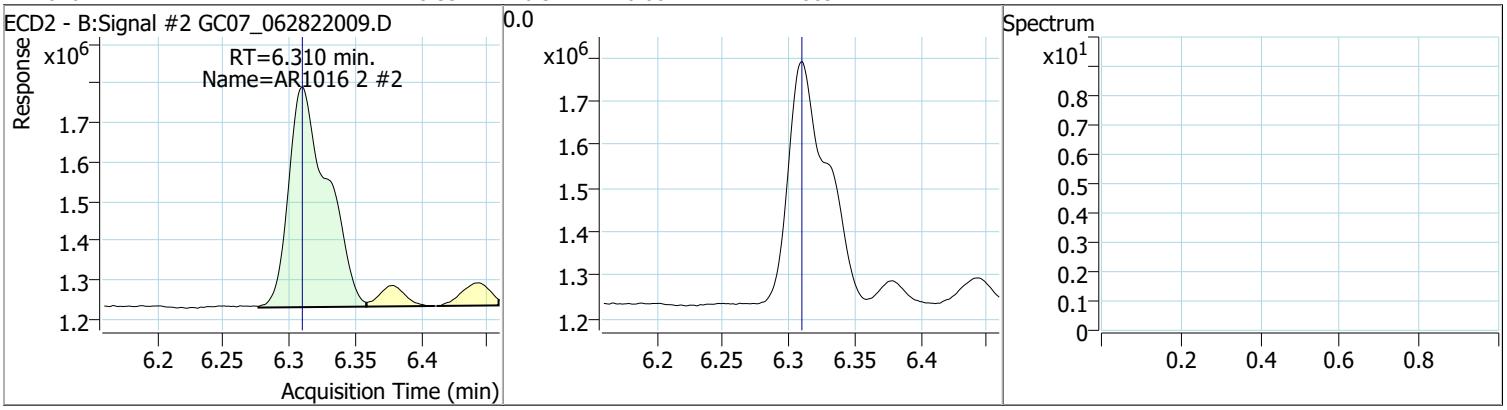
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	452.7943	5.88	0.00	557258				



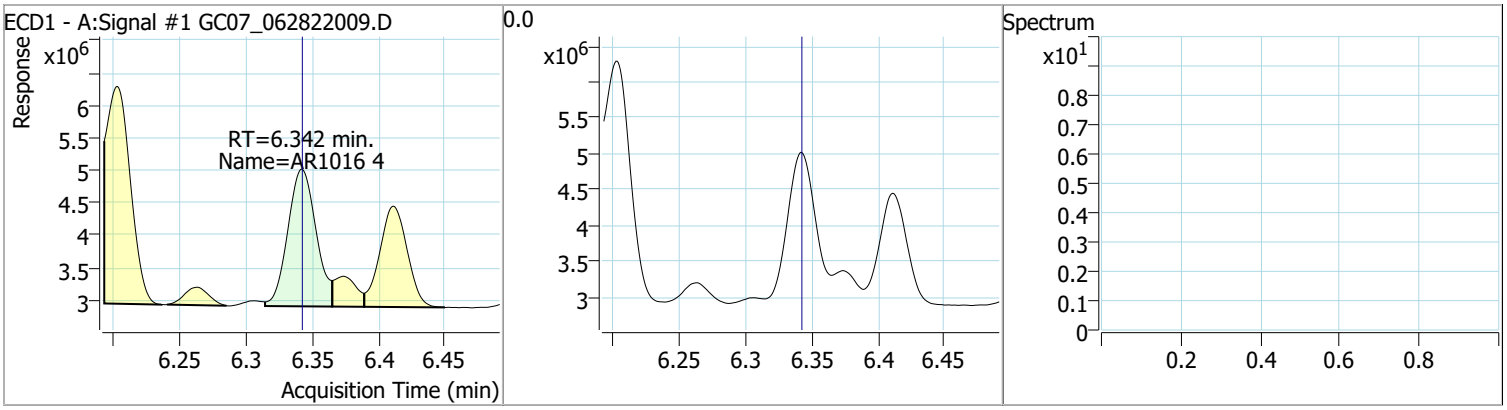
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	453.5021	6.20	0.00	4858462				



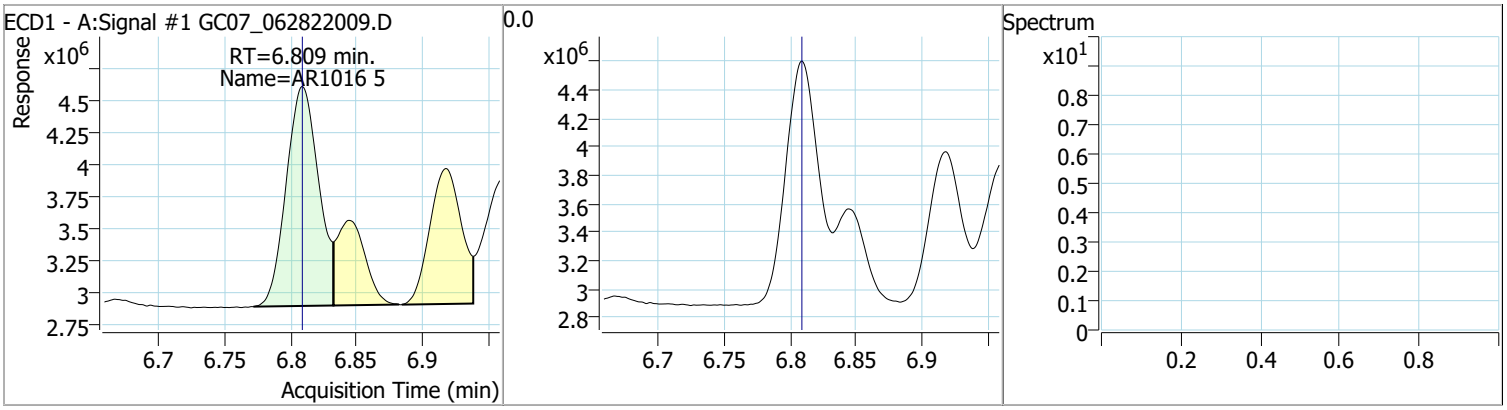
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	428.3314	6.31	0.00	1147889				



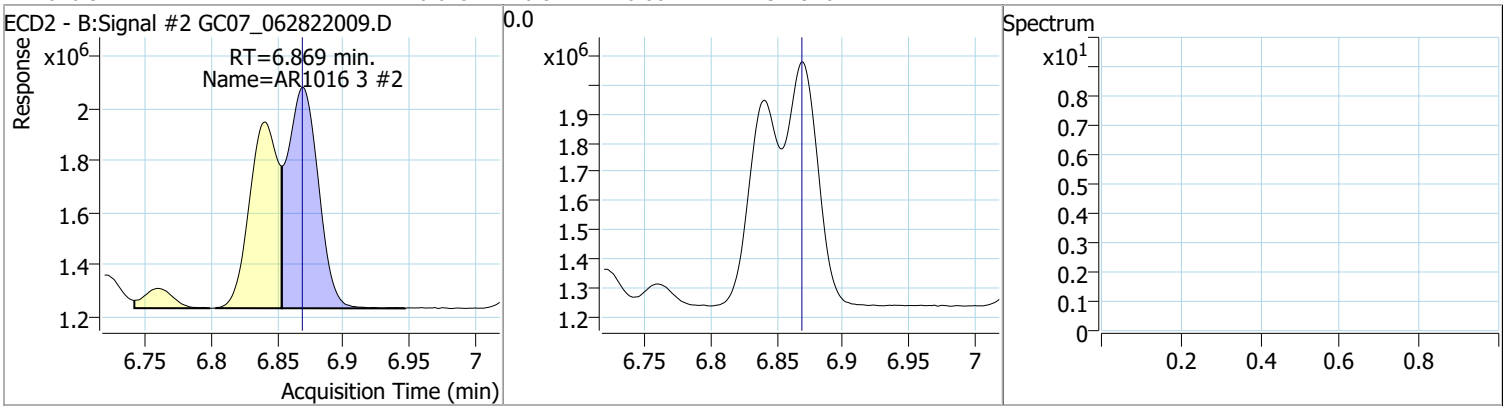
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	408.2069	6.34	0.00	3144819				



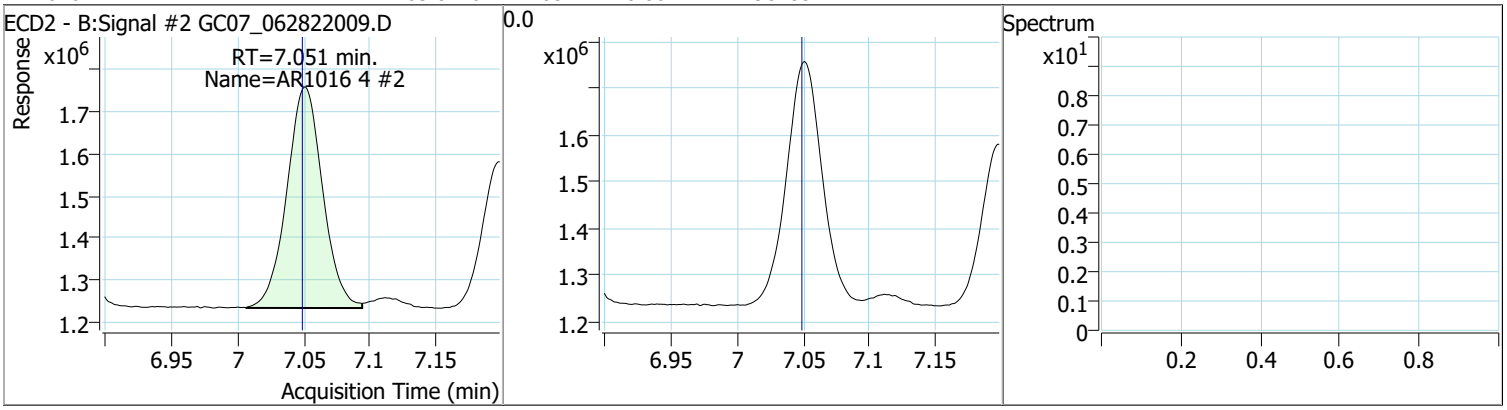
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	454.2376	6.81	0.00	2914913				



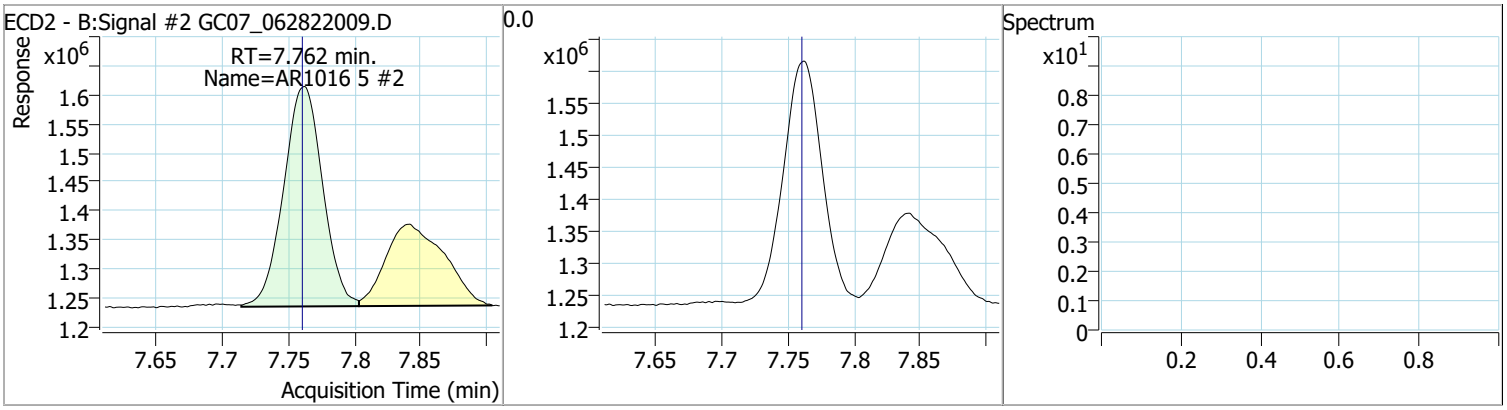
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	446.6251	6.87	0.00	1372946				



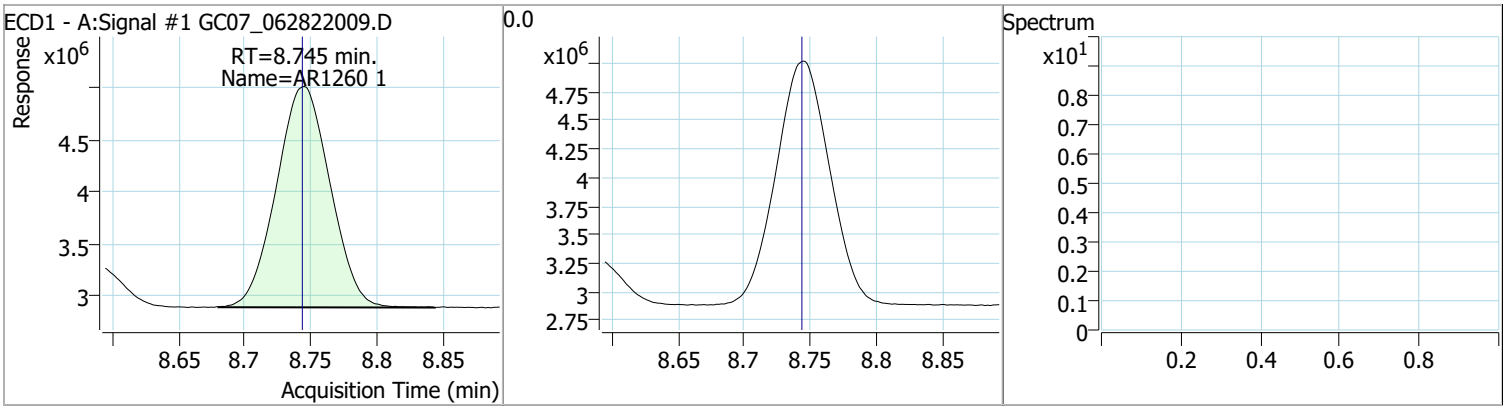
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	463.0140	7.05	0.00	987851				



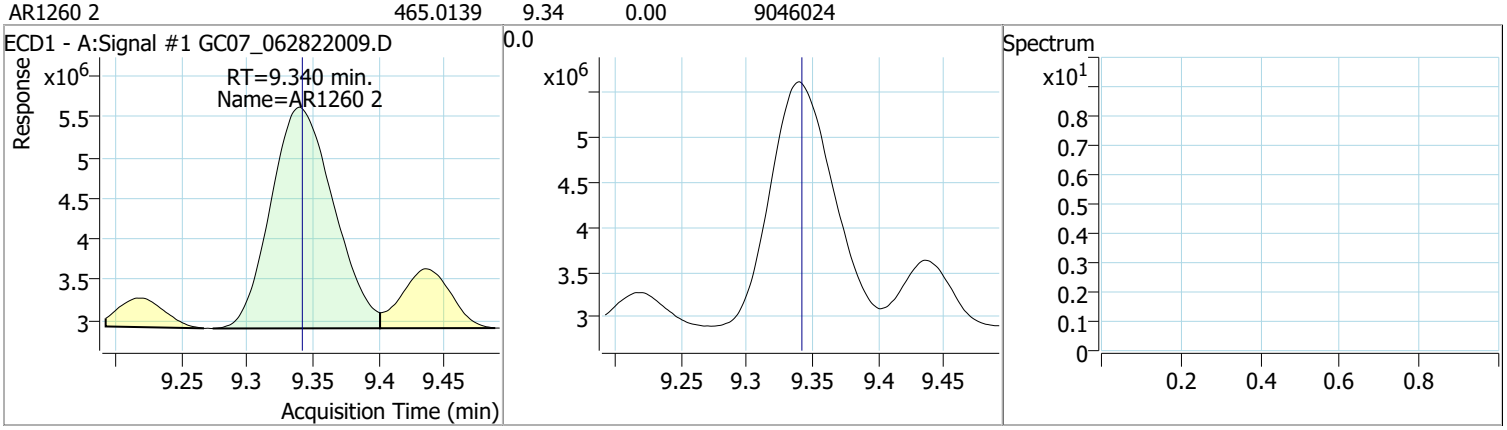
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	440.8707	7.76	0.00	785729				



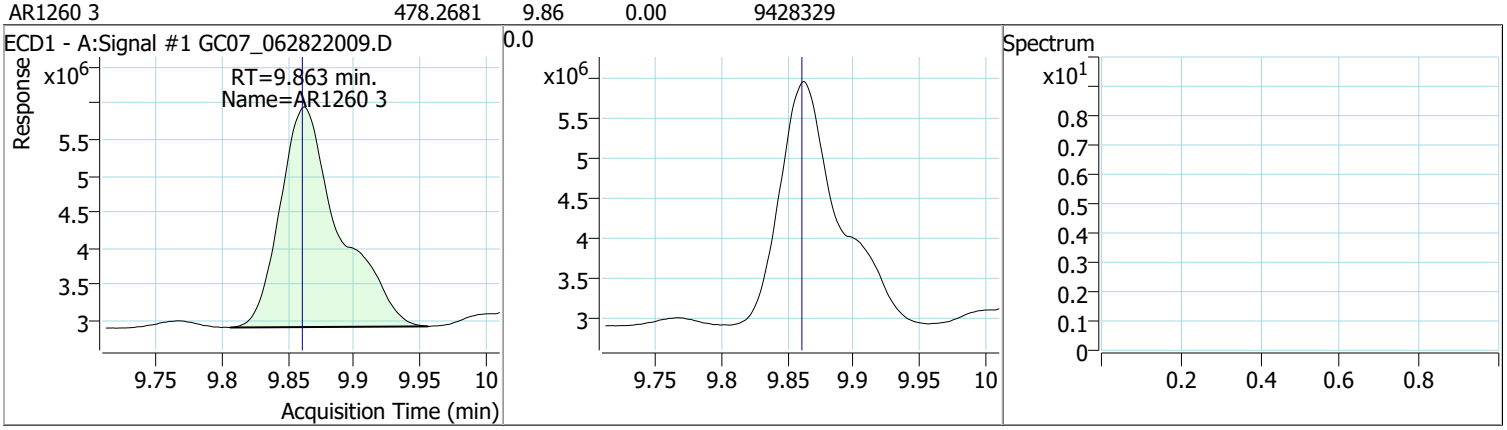
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	446.1227	8.75	0.00	6045608				



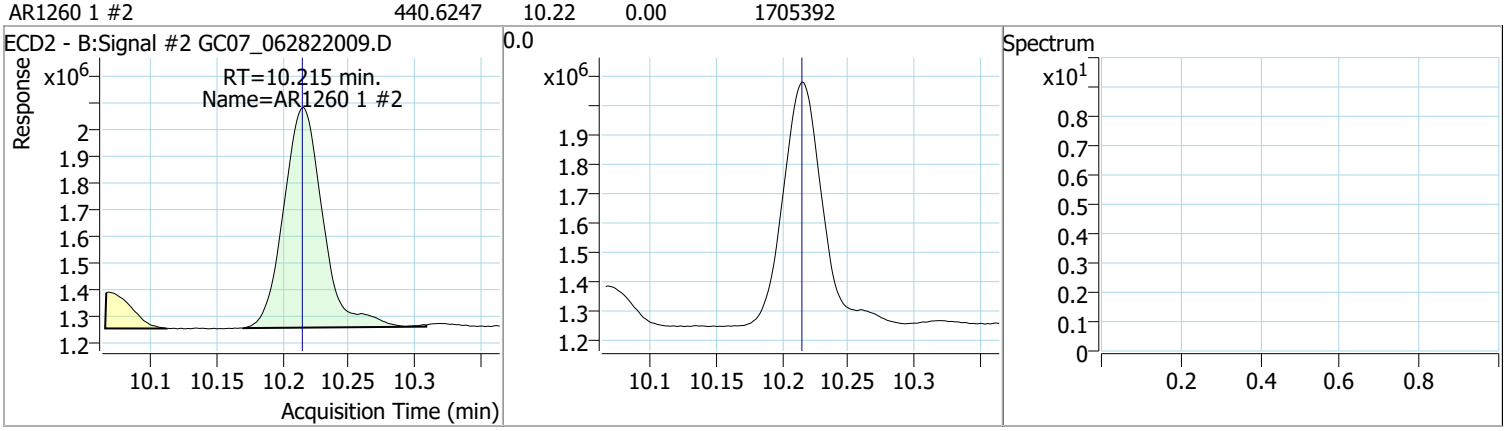
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	465.0139	9.34	0.00	9046024				



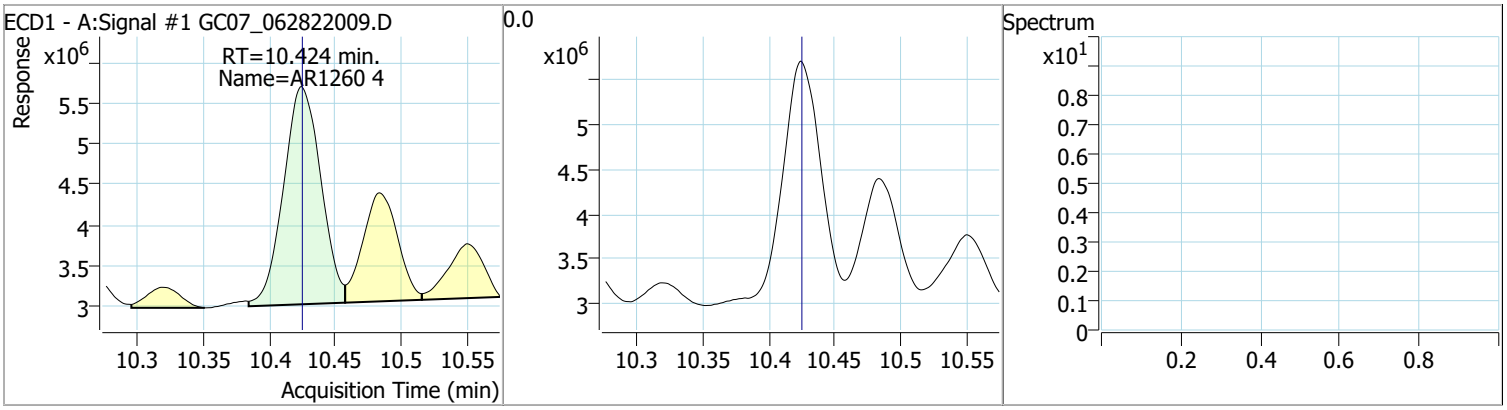
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	478.2681	9.86	0.00	9428329				



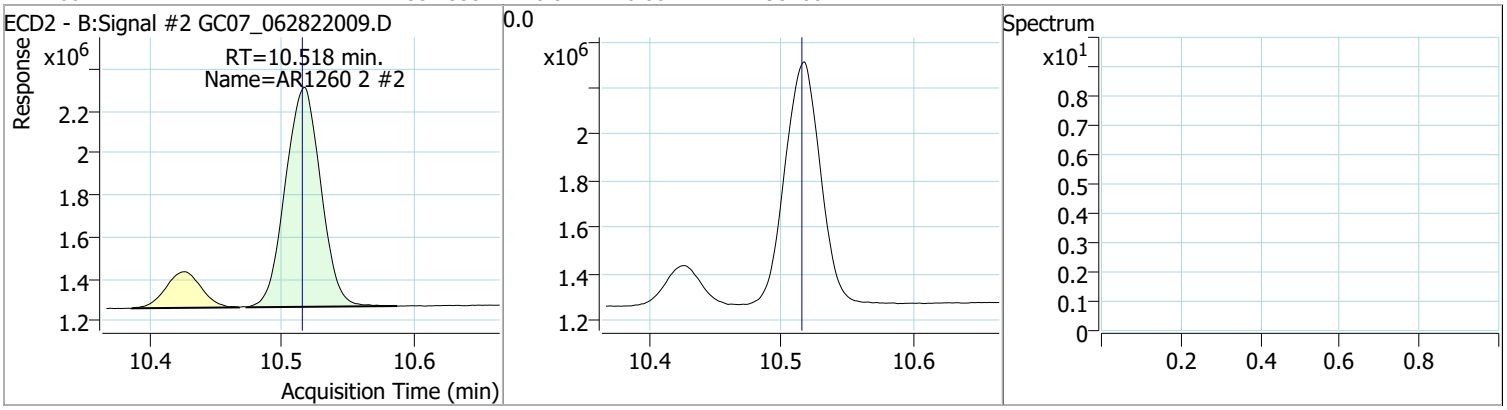
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	440.6247	10.22	0.00	1705392				



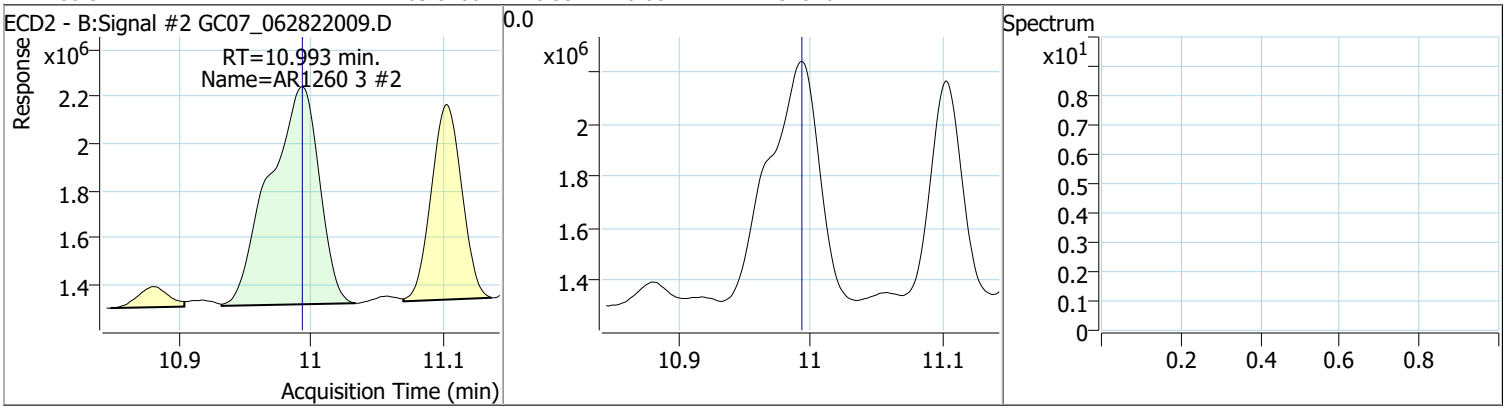
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	525.0688	10.42	0.00	5291483				



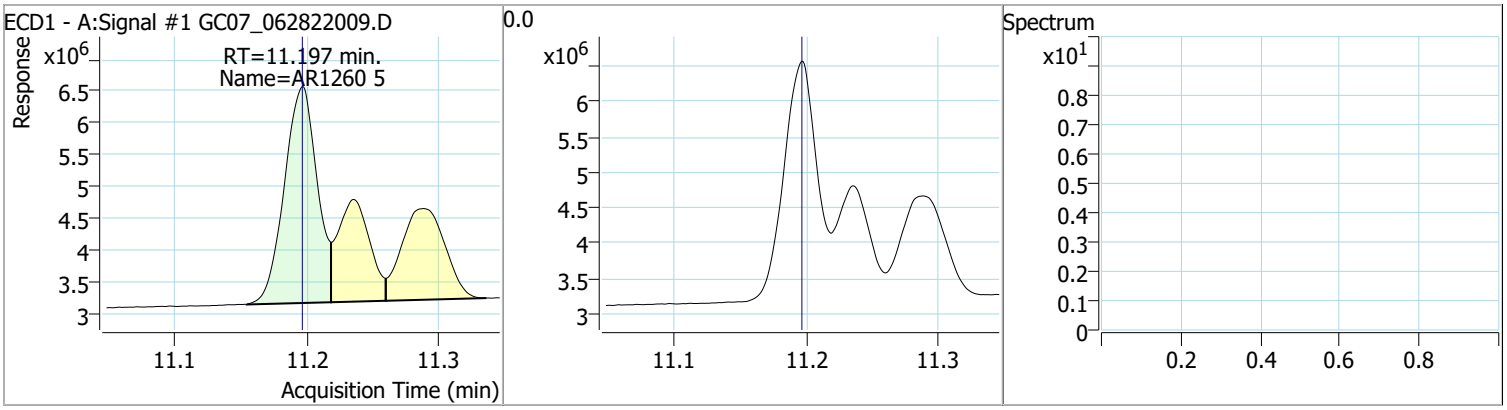
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	455.2535	10.52	0.00	1957607				



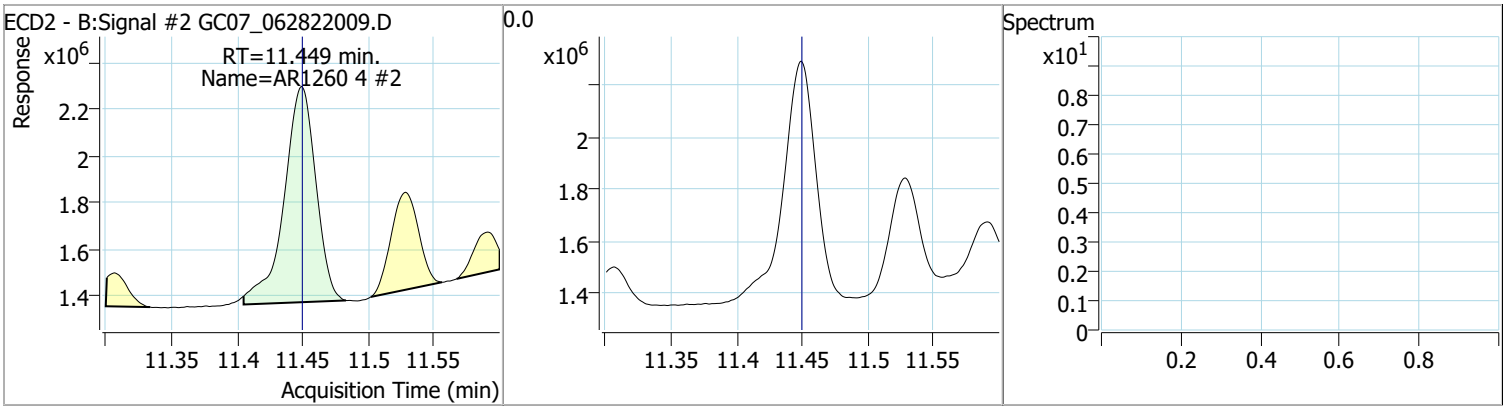
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	463.8160	10.99	0.00	2454846				



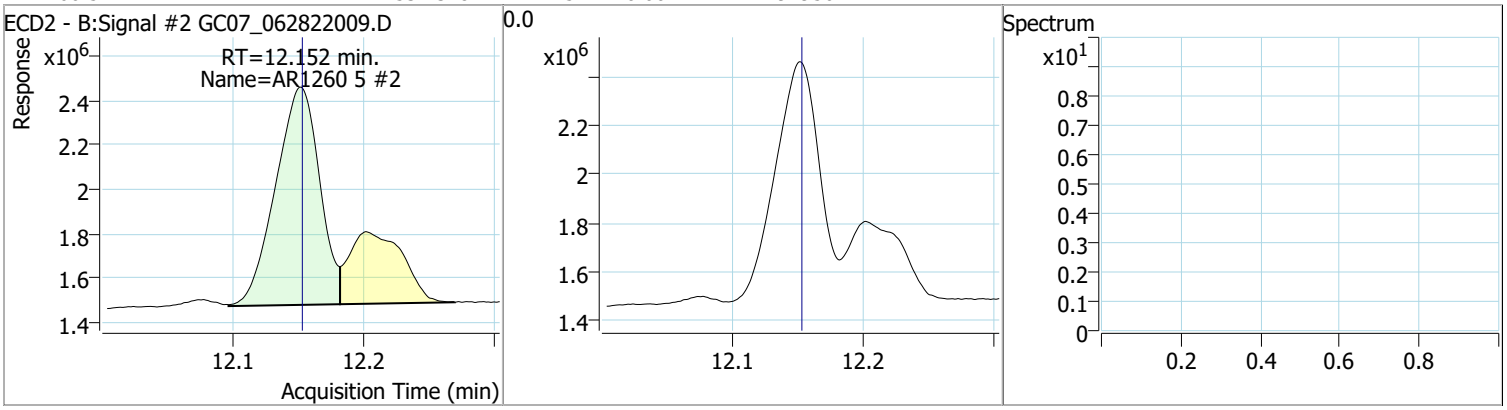
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	633.9637	11.20	0.00	5865572				



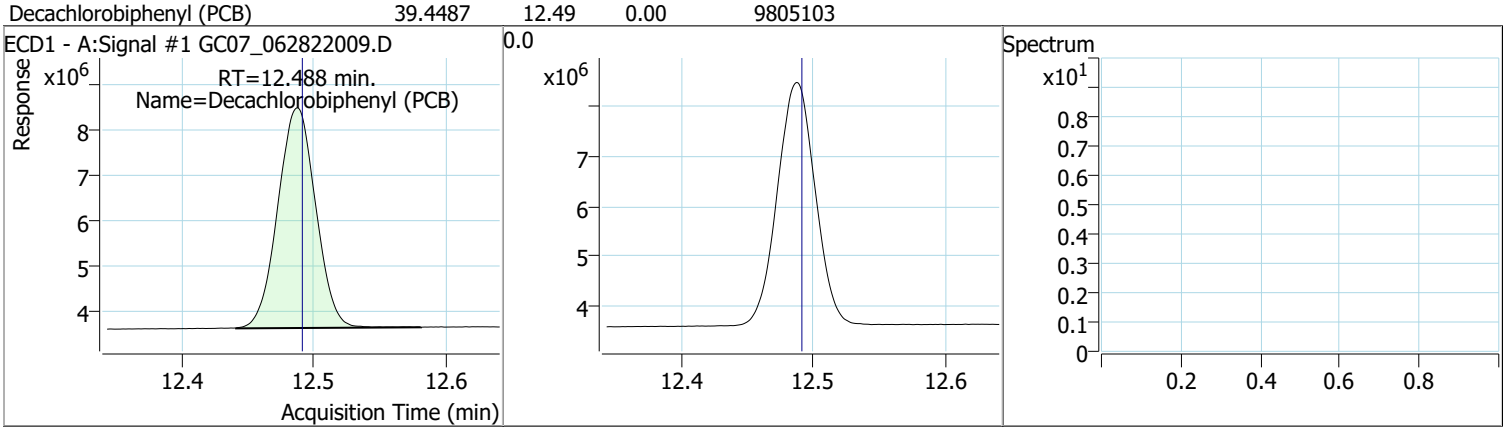
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	523.9377	11.45	0.00	1555851				



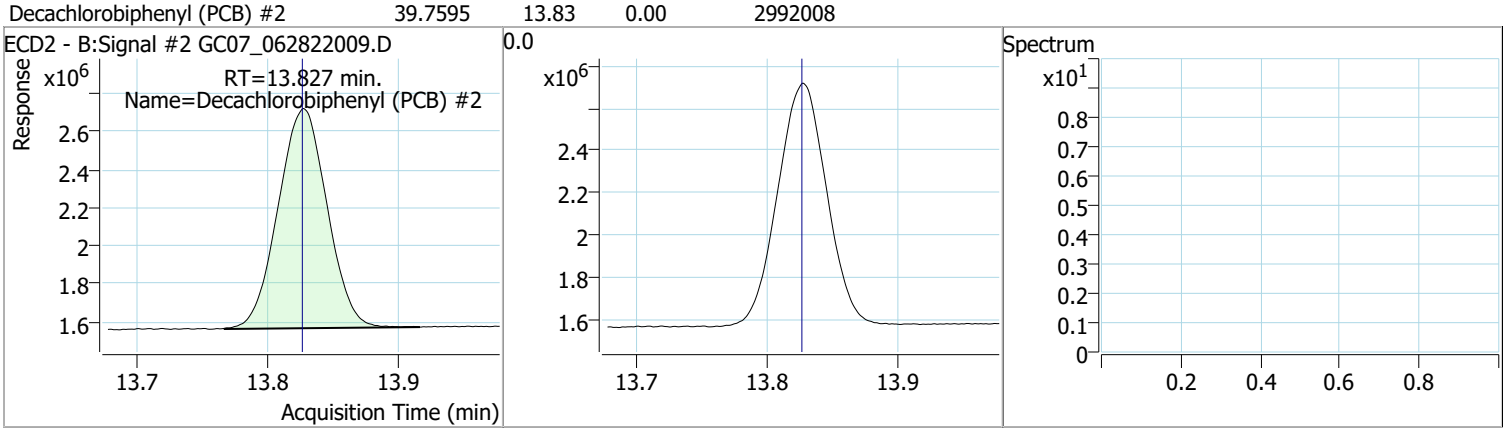
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	537.3281	12.15	0.00	2292950				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	39.4487	12.49	0.00	9805103				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	39.7595	13.83	0.00	2992008				



Initial Calibration Raw Data

ENTHALPY INITIAL CALIBRATION FOR 464405 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_062422_1
Calibration #:	462252739001	Date:	25-JUN-2022 00:39
		X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc07_062422022	462252739022		25-JUN-2022 00:39	S16671 (100X), S16725 (250X)
L2	gc07_062422023	462252739023		25-JUN-2022 00:57	S16671 (40X), S16725 (250X)
L3	gc07_062422024	462252739024		25-JUN-2022 01:14	S16671 (20X), S16725 (250X)
L4	gc07_062422025	462252739025		25-JUN-2022 01:32	S16671 (8X), S16725 (250X)
L5	gc07_062422026	462252739026		25-JUN-2022 01:49	S16671 (4X), S16725 (250X)
L6	gc07_062422027	462252739027		25-JUN-2022 02:07	S16671 (2.66X), S16725 (250X)
L7	gc07_062422028	462252739028		25-JUN-2022 02:24	S16671 (2X), S16725 (250X)
L8	gc07_062422029	462252739029		25-JUN-2022 02:42	S16671 (1.33X), S16725 (250X)
L9	gc07_062422030	462252739030		25-JUN-2022 02:59	S16671, S16725 (250X)

Analyte	Ch	Type	a0	a1	a2	Units	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		52.1446		ug/L	0.0192	12	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		24.0592		ug/L	0.0416	14	9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		20.7771		ug/L	0.0481	12	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		28.8928		ug/L	0.0346	11	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		34.6865		ug/L	0.0288	11	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		16.4257		ug/L	0.0609	12	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		11.4424		ug/L	0.0874	10	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		11.2915		ug/L	0.0886	7	9	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		22.0875		ug/L	0.0453	10	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		24.0599		ug/L	0.0416	7	9	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.89555		pg/uL	1.1166	9	9	.99	20	
TCMX (PCB)	A	AVRG		1.06067		pg/uL	0.9428	8	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		49.6768		ug/L	0.0201	7	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		22.8132		ug/L	0.0438	9	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		19.8883		ug/L	0.0503	9	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		28.6560		ug/L	0.0349	6	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		34.3044		ug/L	0.0292	7	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		15.7963		ug/L	0.0633	8	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		14.2181		ug/L	0.0703	6	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		11.5518		ug/L	0.0866	3	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		20.5890		ug/L	0.0486	5	9	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		14.3273		ug/L	0.0698	4	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.81243		pg/uL	1.2309	10	9	.99	20	
TCMX (PCB)	B	AVRG		1.10236		pg/uL	0.9071	4	9	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

ENTHALPY INITIAL CALIBRATION FOR 464405 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_062422_1
Calibration #:	462252739001	Date:	25-JUN-2022 00:39
		X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0234	0.0215	0.0200	0.0192	0.0192	0.0180	0.0176	0.0174	0.0163
Aroclor-1016 Peak # 2	A	0.0506	0.0484	0.0464	0.0430	0.0395	0.0384	0.0372	0.0366	0.0339
Aroclor-1016 Peak # 3	A	0.0594	0.0542	0.0518	0.0468	0.0454	0.0453	0.0443	0.0447	0.0413
Aroclor-1016 Peak # 4	A	0.0413	0.0385	0.0369	0.0348	0.0332	0.0331	0.0323	0.0317	0.0297
Aroclor-1016 Peak # 5	A	0.0337	0.0322	0.0318	0.0293	0.0277	0.0275	0.0267	0.0261	0.0245
Aroclor-1260 Peak # 1	A	0.0727	0.0690	0.0664	0.0613	0.0580	0.0617	0.0550	0.0540	0.0499
Aroclor-1260 Peak # 2	A	0.1010	0.0978	0.0943	0.0864	0.0838	0.0853	0.0816	0.0810	0.0754
Aroclor-1260 Peak # 3	A	0.0987	0.0952	0.0933	0.0862	0.0848	0.0876	0.0843	0.0855	0.0813
Aroclor-1260 Peak # 4	A	0.0539	0.0502	0.0485	0.0445	0.0431	0.0439	0.0418	0.0418	0.0398
Aroclor-1260 Peak # 5	A	0.0379	0.0402	0.0409	0.0376	0.0404	0.0447	0.0428	0.0450	0.0446
Decachlorobiphenyl (PCB)	A	1.3136	1.2521	1.1395	1.0914	1.0462	1.0936	1.0474	1.0457	1.0202
TCMX (PCB)	A	1.0556	1.0443	1.0018	0.9534	0.8960	0.8931	0.8839	0.9007	0.8564
Aroclor-1016 Peak # 1	B	0.0237	0.0206	0.0205	0.0201	0.0194	0.0196	0.0193	0.0195	0.0184
Aroclor-1016 Peak # 2	B	0.0520	0.0470	0.0451	0.0431	0.0429	0.0424	0.0413	0.0416	0.0391
Aroclor-1016 Peak # 3	B	0.0609	0.0528	0.0500	0.0478	0.0483	0.0487	0.0479	0.0490	0.0470
Aroclor-1016 Peak # 4	B	0.0385	0.0379	0.0349	0.0334	0.0336	0.0344	0.0340	0.0346	0.0328
Aroclor-1016 Peak # 5	B	0.0329	0.0318	0.0294	0.0281	0.0280	0.0286	0.0281	0.0285	0.0271
Aroclor-1260 Peak # 1	B	0.0741	0.0656	0.0651	0.0617	0.0619	0.0631	0.0605	0.0606	0.0572
Aroclor-1260 Peak # 2	B	0.0777	0.0735	0.0724	0.0698	0.0688	0.0709	0.0674	0.0682	0.0642
Aroclor-1260 Peak # 3	B	0.0823	0.0865	0.0833	0.0845	0.0876	0.0917	0.0876	0.0898	0.0859
Aroclor-1260 Peak # 4	B	0.0506	0.0519	0.0474	0.0468	0.0460	0.0516	0.0476	0.0489	0.0462
Aroclor-1260 Peak # 5	B	0.0736	0.0727	0.0678	0.0662	0.0681	0.0716	0.0685	0.0706	0.0691
Decachlorobiphenyl (PCB)	B	1.4473	1.4291	1.1927	1.1850	1.1442	1.2016	1.1565	1.1753	1.1462
TCMX (PCB)	B	0.9875	0.8886	0.8748	0.8877	0.8943	0.8998	0.8927	0.9329	0.9059

ENTHALPY INITIAL CALIBRATION FOR 464405 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_062422_1
Calibration #:	462252739001	Date:	25-JUN-2022 00:39
		X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	**22**	50.000	12	100.00	4	250.00	0	500.00	0	751.88	-6	1000.0	-8	1503.8	-9
Aroclor-1016 Peak # 2	A	20.000	**22**	50.000	16	100.00	12	250.00	3	500.00	-5	751.88	-8	1000.0	-10	1503.8	-12
Aroclor-1016 Peak # 3	A	20.000	**23**	50.000	13	100.00	8	250.00	-3	500.00	-6	751.88	-6	1000.0	-8	1503.8	-7
Aroclor-1016 Peak # 4	A	20.000	19	50.000	11	100.00	7	250.00	1	500.00	-4	751.88	-4	1000.0	-7	1503.8	-8
Aroclor-1016 Peak # 5	A	20.000	17	50.000	12	100.00	10	250.00	2	500.00	-4	751.88	-5	1000.0	-7	1503.8	-10
Aroclor-1260 Peak # 1	A	20.000	19	50.000	13	100.00	9	250.00	1	500.00	-5	751.88	1	1000.0	-10	1503.8	-11
Aroclor-1260 Peak # 2	A	20.000	16	50.000	12	100.00	8	250.00	-1	500.00	-4	751.88	-2	1000.0	-7	1503.8	-7
Aroclor-1260 Peak # 3	A	20.000	11	50.000	8	100.00	5	250.00	-3	500.00	-4	751.88	-1	1000.0	-5	1503.8	-3
Aroclor-1260 Peak # 4	A	20.000	19	50.000	11	100.00	7	250.00	-2	500.00	-5	751.88	-3	1000.0	-8	1503.8	-8
Aroclor-1260 Peak # 5	A	20.000	-9	50.000	-3	100.00	-2	250.00	-9	500.00	-3	751.88	8	1000.0	3	1503.8	8
Decachlorobiphenyl (PCB)	A	0.8000	18	2.0000	12	4.0000	2	10.000	-2	20.000	-6	30.075	-2	40.000	-6	60.150	-6
TCMX (PCB)	A	0.8000	12	2.0000	11	4.0000	6	10.000	1	20.000	-5	30.075	-5	40.000	-6	60.150	-4
Aroclor-1016 Peak # 1	B	20.000	18	50.000	2	100.00	2	250.00	0	500.00	-3	751.88	-3	1000.0	-4	1503.8	-3
Aroclor-1016 Peak # 2	B	20.000	19	50.000	7	100.00	3	250.00	-2	500.00	-2	751.88	-3	1000.0	-6	1503.8	-5
Aroclor-1016 Peak # 3	B	20.000	**21**	50.000	5	100.00	-1	250.00	-5	500.00	-4	751.88	-3	1000.0	-5	1503.8	-2
Aroclor-1016 Peak # 4	B	20.000	10	50.000	9	100.00	0	250.00	-4	500.00	-4	751.88	-1	1000.0	-2	1503.8	-1
Aroclor-1016 Peak # 5	B	20.000	13	50.000	9	100.00	1	250.00	-4	500.00	-4	751.88	-2	1000.0	-4	1503.8	-2
Aroclor-1260 Peak # 1	B	20.000	17	50.000	4	100.00	3	250.00	-3	500.00	-2	751.88	0	1000.0	-4	1503.8	-4
Aroclor-1260 Peak # 2	B	20.000	10	50.000	5	100.00	3	250.00	-1	500.00	-2	751.88	1	1000.0	-4	1503.8	-3
Aroclor-1260 Peak # 3	B	20.000	-5	50.000	0	100.00	-4	250.00	-2	500.00	1	751.88	6	1000.0	1	1503.8	4
Aroclor-1260 Peak # 4	B	20.000	4	50.000	7	100.00	-2	250.00	-4	500.00	-5	751.88	6	1000.0	-2	1503.8	1
Aroclor-1260 Peak # 5	B	20.000	5	50.000	4	100.00	-3	250.00	-5	500.00	-2	751.88	3	1000.0	-2	1503.8	1
Decachlorobiphenyl (PCB)	B	0.8000	18	2.0000	16	4.0000	-3	10.000	-4	20.000	-7	30.075	-2	40.000	-6	60.150	-5
TCMX (PCB)	B	0.8000	9	2.0000	-2	4.0000	-4	10.000	-2	20.000	-1	30.075	-1	40.000	-2	60.150	3

ENTHALPY INITIAL CALIBRATION FOR 464405 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_062422_1
Calibration #:	462252739001	Date:	25-JUN-2022 00:39
		X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-15
Aroclor-1016 Peak # 2	A	2000.0	-18
Aroclor-1016 Peak # 3	A	2000.0	-14
Aroclor-1016 Peak # 4	A	2000.0	-14
Aroclor-1016 Peak # 5	A	2000.0	-15
Aroclor-1260 Peak # 1	A	2000.0	-18
Aroclor-1260 Peak # 2	A	2000.0	-14
Aroclor-1260 Peak # 3	A	2000.0	-8
Aroclor-1260 Peak # 4	A	2000.0	-12
Aroclor-1260 Peak # 5	A	2000.0	7
Decachlorobiphenyl (PCB)	A	80.000	-9
TCMX (PCB)	A	80.000	-9
Aroclor-1016 Peak # 1	B	2000.0	-8
Aroclor-1016 Peak # 2	B	2000.0	-11
Aroclor-1016 Peak # 3	B	2000.0	-6
Aroclor-1016 Peak # 4	B	2000.0	-6
Aroclor-1016 Peak # 5	B	2000.0	-7
Aroclor-1260 Peak # 1	B	2000.0	-10
Aroclor-1260 Peak # 2	B	2000.0	-9
Aroclor-1260 Peak # 3	B	2000.0	-1
Aroclor-1260 Peak # 4	B	2000.0	-5
Aroclor-1260 Peak # 5	B	2000.0	-1
Decachlorobiphenyl (PCB)	B	80.000	-7
TCMX (PCB)	B	80.000	0

TRN 06/25/22 : Manually integrated for coeluting peak and automatic draw baseline on both/one channel and on multiple levels

Analyst: TRN 06/25/22

Reviewer: LW 06/27/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 464405 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07	Name:	PCB_062422_1
Calnum:	462252739001	Cal Date:	25-JUN-2022

- ICV 462252739032 (gc07_062422032 25-JUN-2022) stds: S16736

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	518.1	ug/L	4	15	
Aroclor-1260	A	500.0	539.6	ug/L	8	15	
Aroclor-1016	B	500.0	525.9	ug/L	5	15	
Aroclor-1260	B	500.0	563.1	ug/L	13	15	

-

Analyst: TRN 06/25/22 **Reviewer:** LW 06/27/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_062422022.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 12:39:35 AM
Sample Name	ICAL, S16726, 100	Instrument	SVOA-GC07
Vial	11	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	20 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
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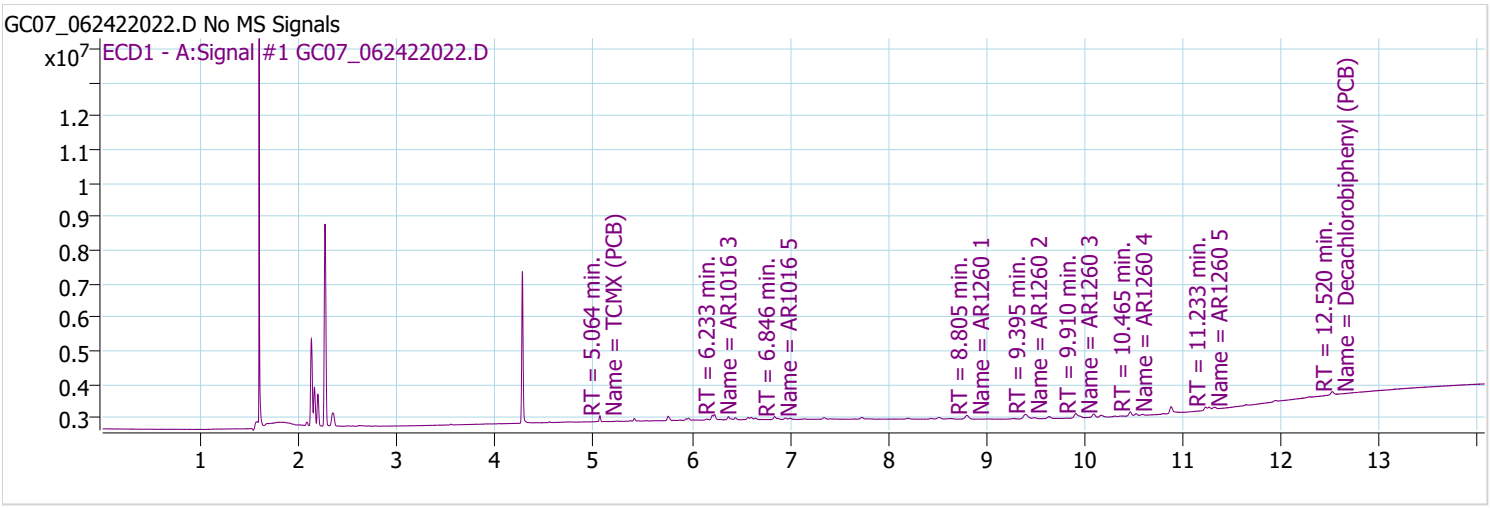
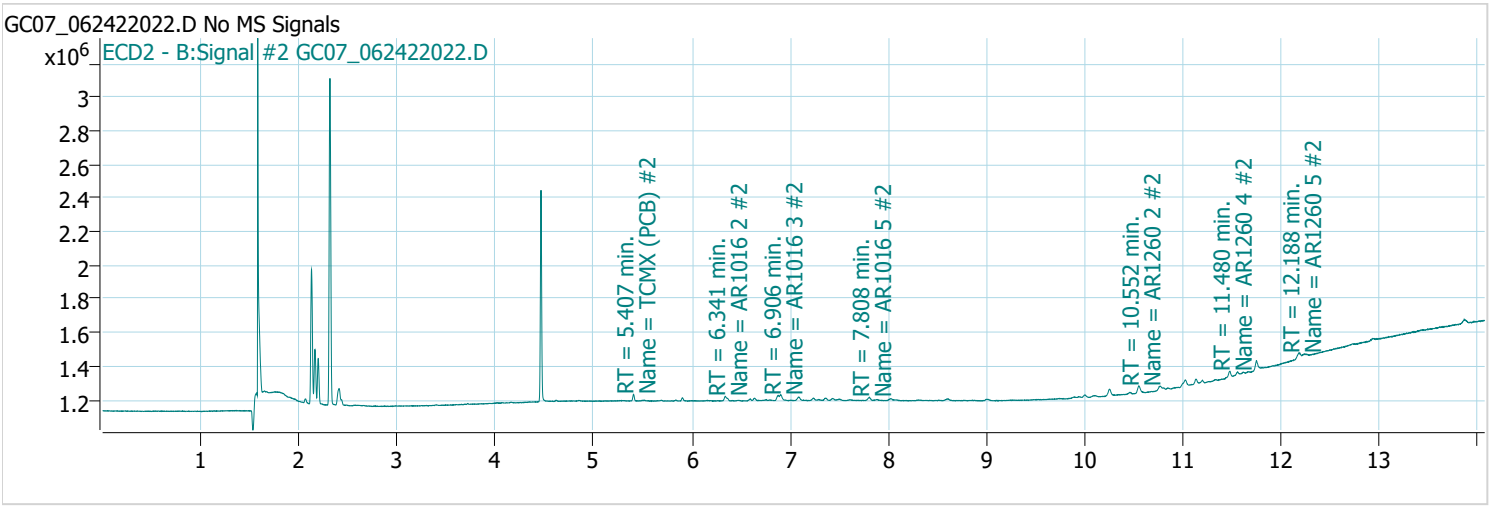


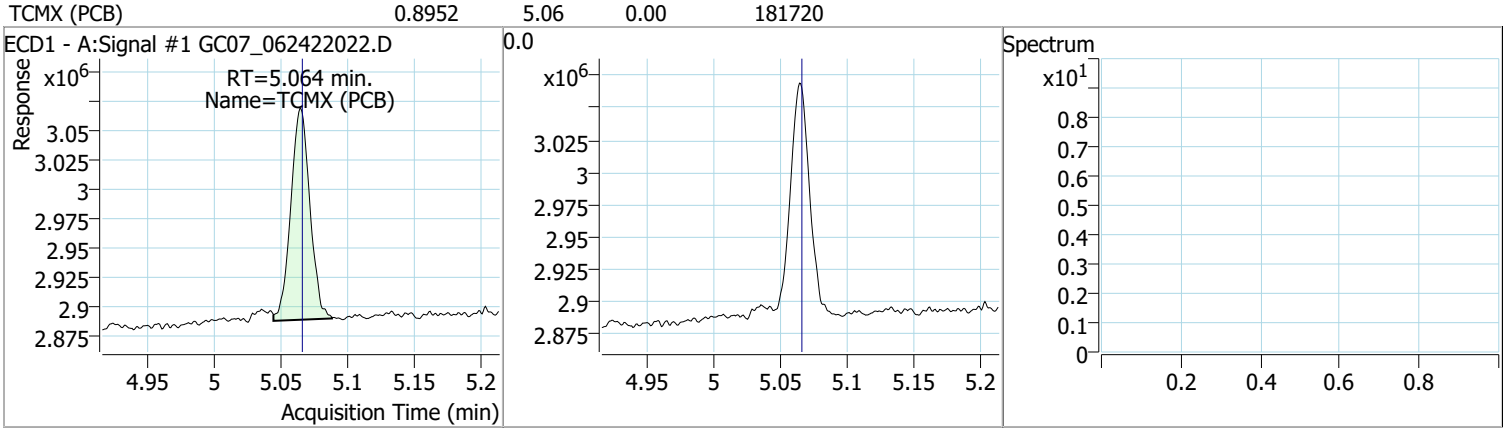


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.276	0.0	4303770.897	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.465	0.0	1146854.232	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.064	0.0	181719.749	0.8952	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.48%		*	
S TCMX (PCB) #2	5.407	0.0	45302.652	0.8704	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.35%		*	
S Decachlorobiphenyl (PCB)	12.520	0.0	226135.319	0.9406	ng/ml	m	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.70%		*	
S Decachlorobiphenyl (PCB) #2	13.865	0.0	66391.652	0.9401	ng/ml		-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.70%		*	
Target Compounds							**QValue**
T AR1016 1	5.415	0.0	100860.719	24.4281	ng/ml	m	100
T AR1016 2	5.760	0.0	217745.698	24.3329	ng/ml		100
T AR1016 1 #2	5.904	0.0	27171.139	23.5260	ng/ml	m	100

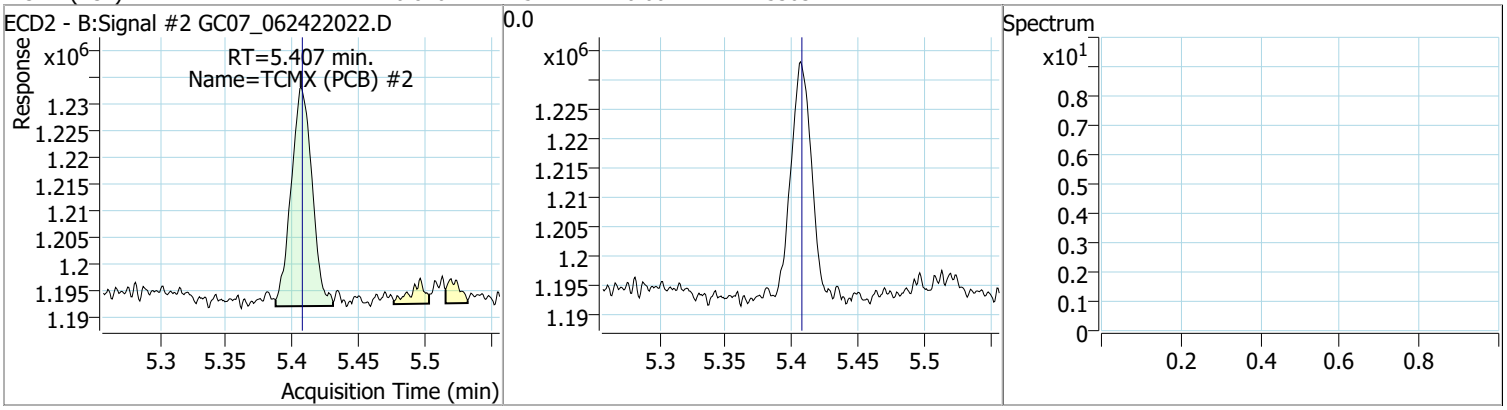
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 3	6.233	0.0	255522.787	24.6587	ng/ml		100
T AR1016 2 #2	6.341	0.0	59680.736	23.7307	ng/ml		100
T AR1016 4	6.373	0.0	177597.647	23.8332	ng/ml	m	100
T AR1016 5	6.846	0.0	144985.805	23.3584	ng/ml	m	100
T AR1016 3 #2	6.906	0.0	69844.980	24.2114	ng/ml		100
T AR1016 4 #2	7.088	0.0	44096.916	22.0245	ng/ml		100
T AR1016 5 #2	7.808	0.0	37691.872	22.5363	ng/ml		100
T AR1260 1	8.805	0.0	312835.640	23.8666	ng/ml		100
T AR1260 2	9.395	0.0	434770.610	23.1062	ng/ml		100
T AR1260 3	9.910	0.0	424711.927	22.2736	ng/ml		100
T AR1260 1 #2	10.254	0.0	84960.268	23.3914	ng/ml		100
T AR1260 4	10.465	0.0	231834.804	23.7836	ng/ml		100
T AR1260 2 #2	10.552	0.0	89110.774	22.0828	ng/ml		100
T AR1260 3 #2	11.026	0.0	94341.595	18.9942	ng/ml		100
T AR1260 5	11.233	0.0	163315.289	18.2491	ng/ml		100
T AR1260 4 #2	11.480	0.0	58077.973	20.8410	ng/ml		100
T AR1260 5 #2	12.188	0.0	84370.198	21.0683	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

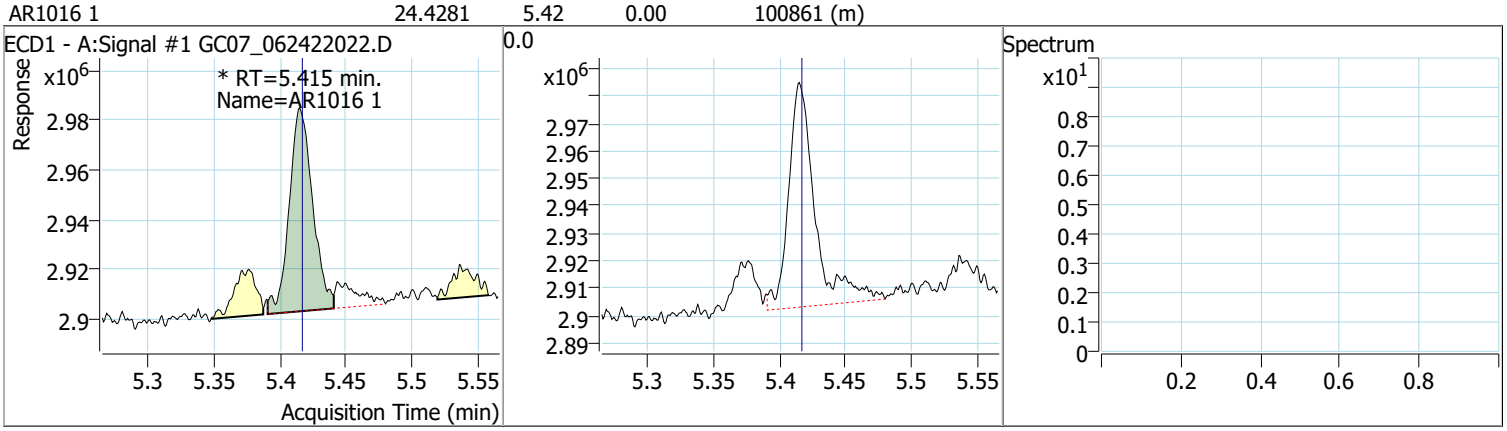
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	0.8952	5.06	0.00	181720				



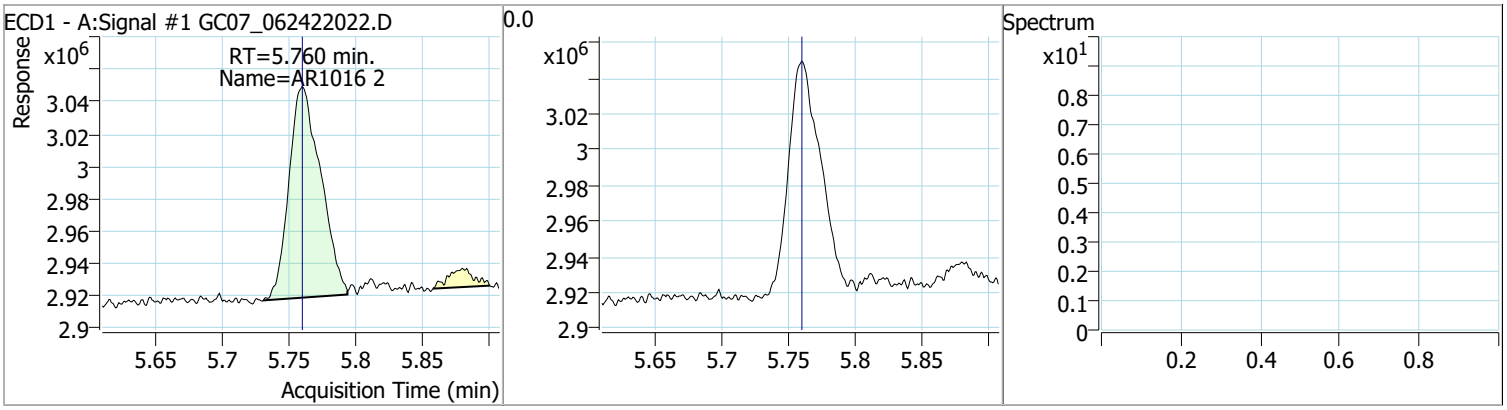
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	0.8704	5.41	0.00	45303				



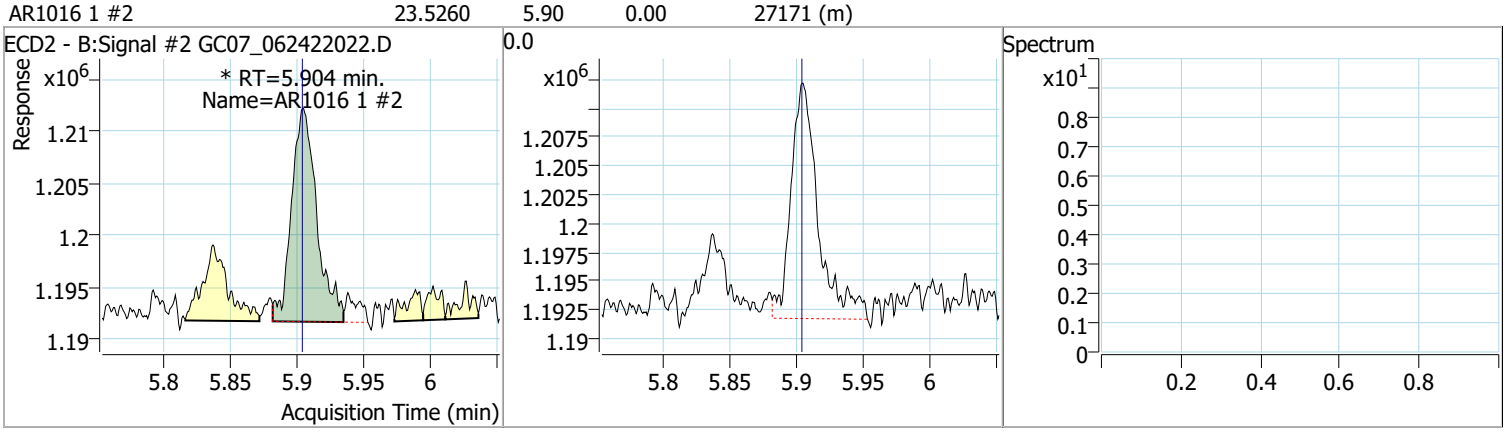
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	24.4281	5.42	0.00	100861 (m)				



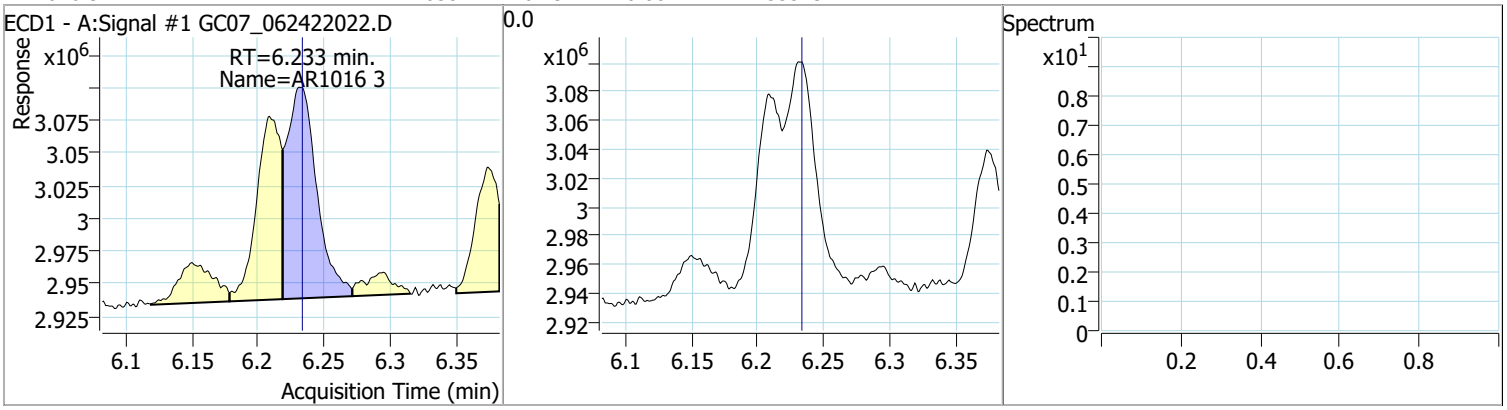
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	24.3329	5.76	0.00	217746				



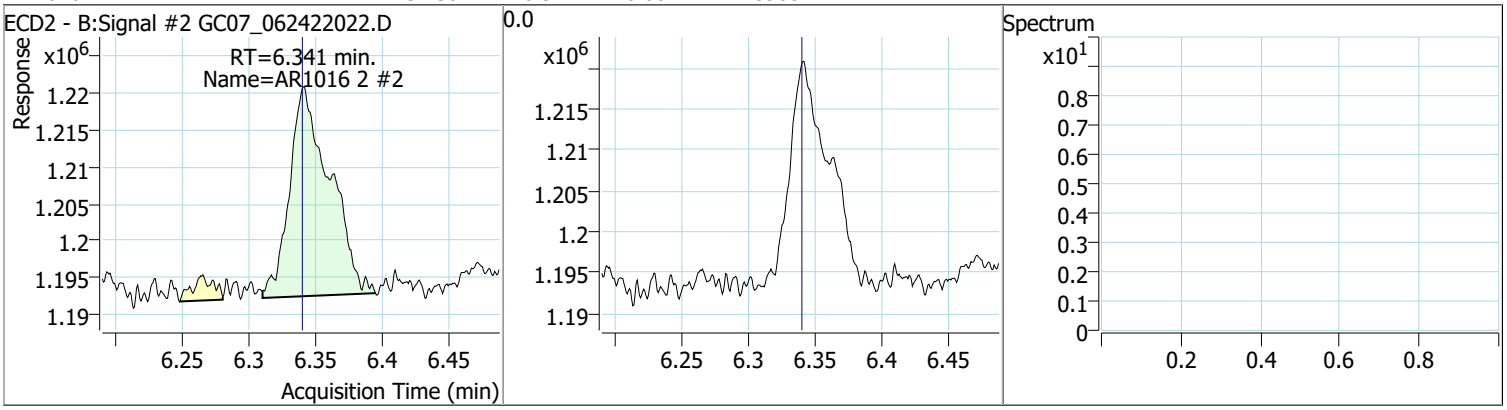
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	23.5260	5.90	0.00	27171 (m)				



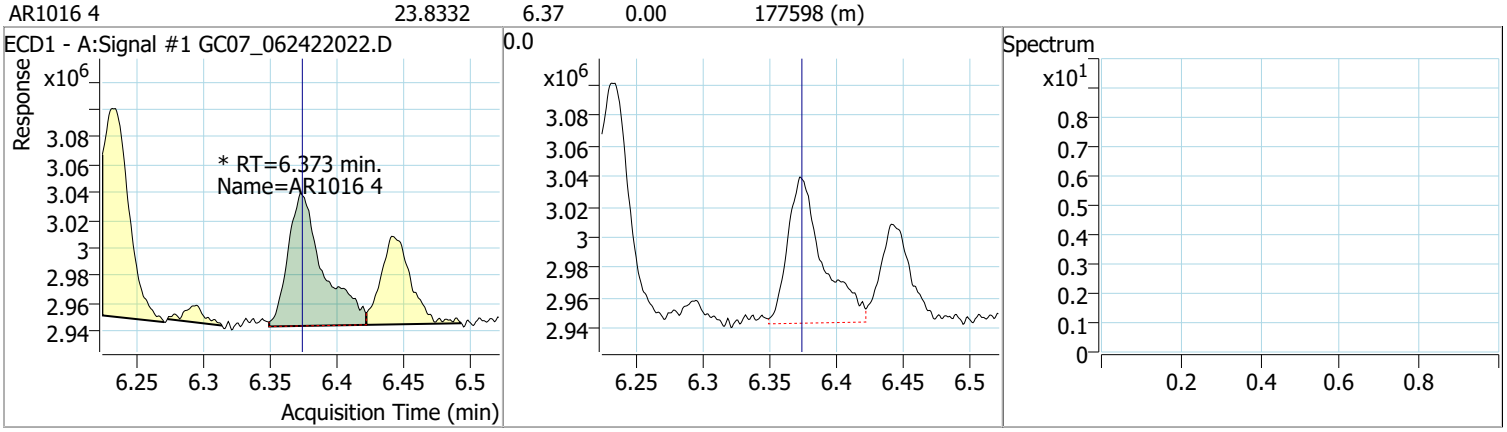
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	24.6587	6.23	0.00	255523				



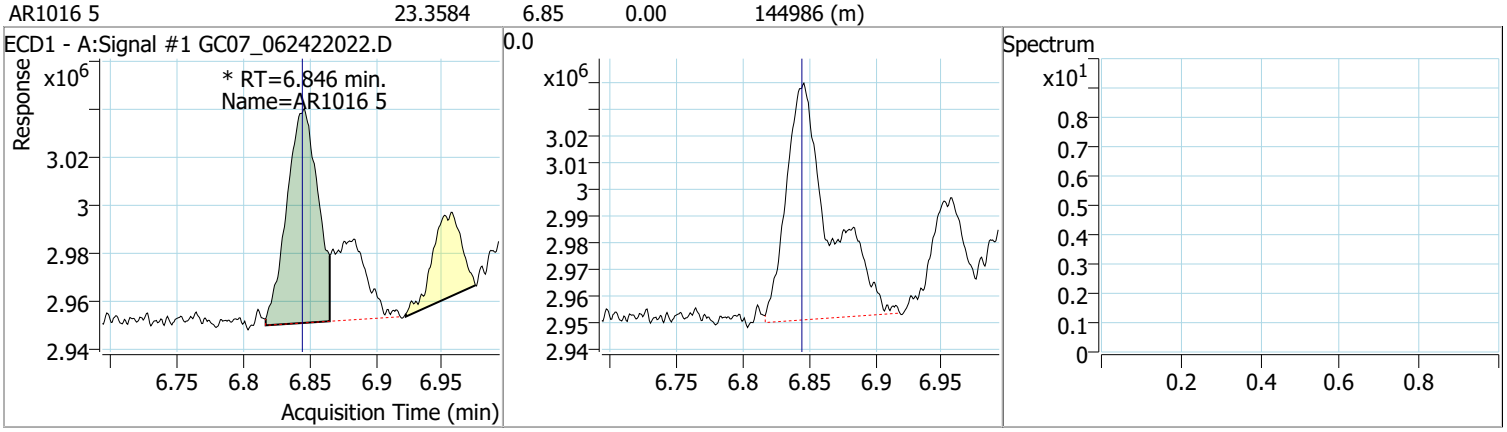
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	23.7307	6.34	0.00	59681				



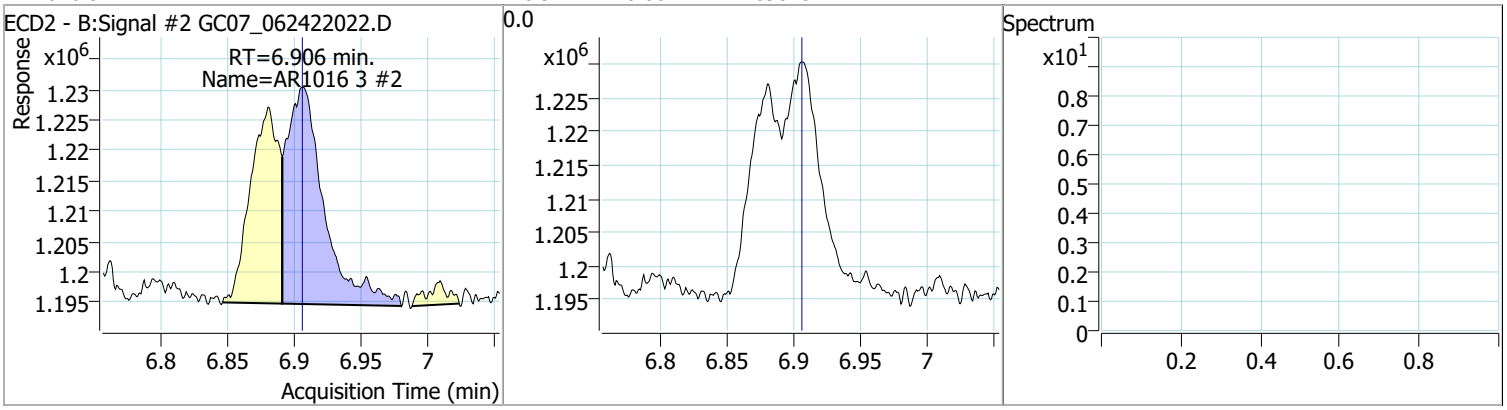
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	23.8332	6.37	0.00	177598 (m)				



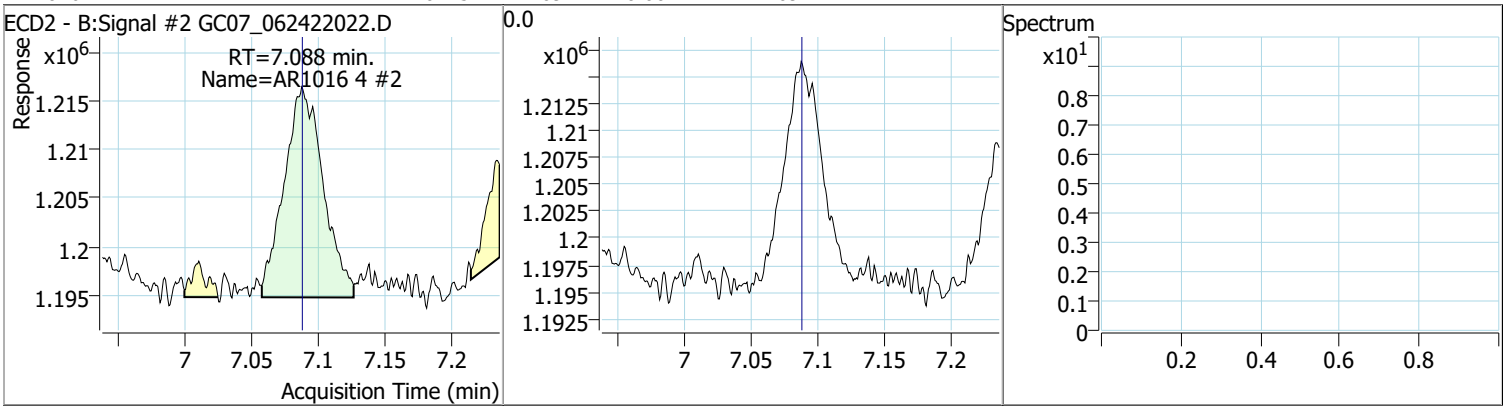
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	23.3584	6.85	0.00	144986 (m)				



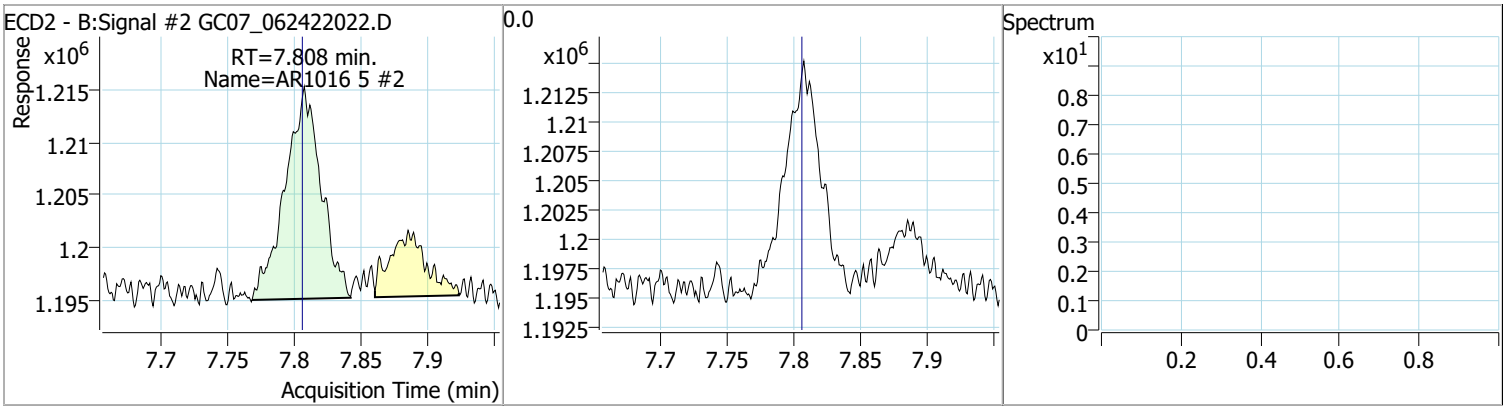
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	24.2114	6.91	0.00	69845				



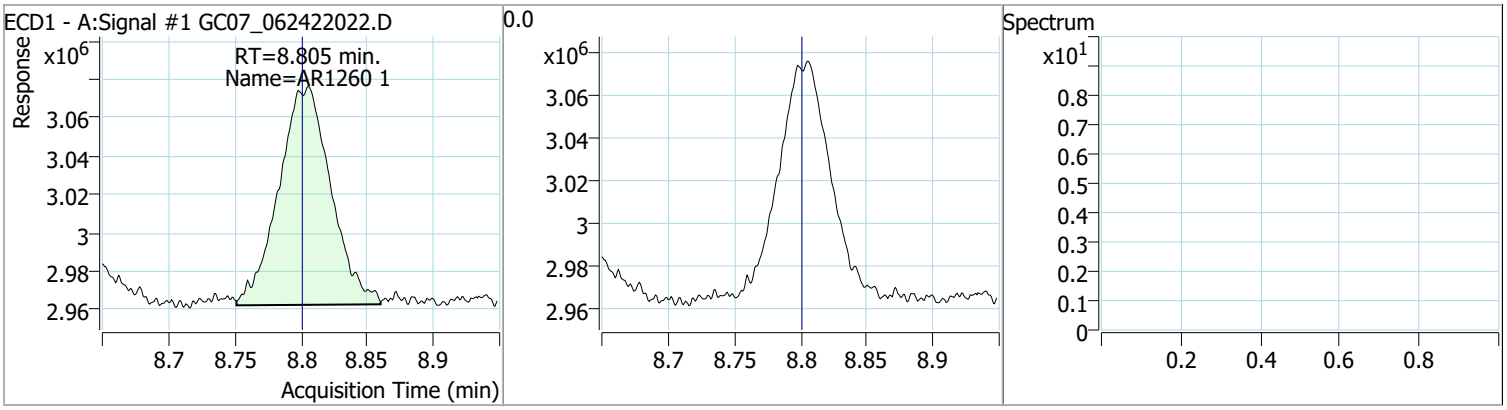
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	22.0245	7.09	0.00	44097				



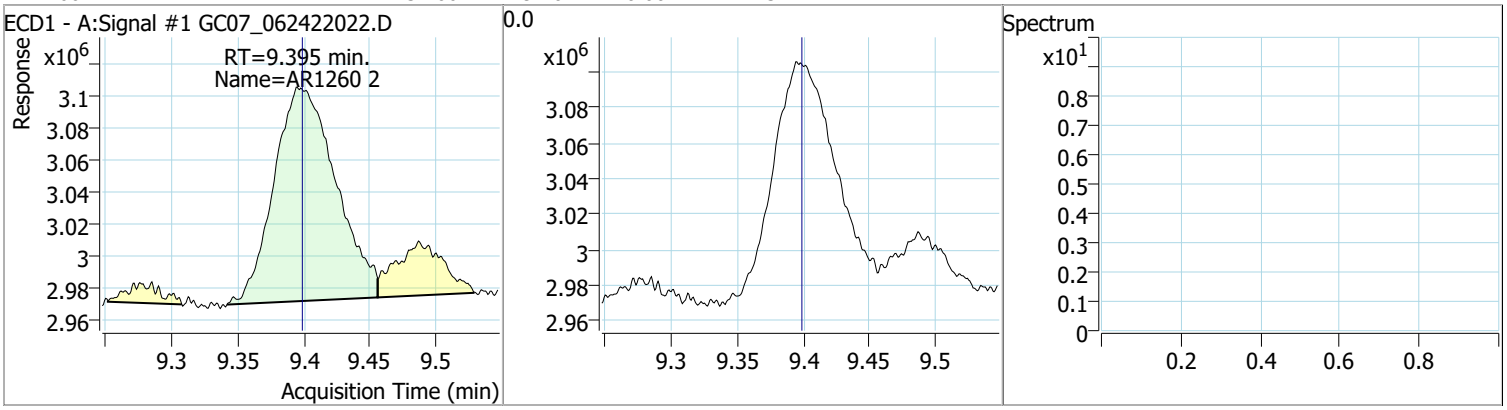
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	22.5363	7.81	0.00	37692				



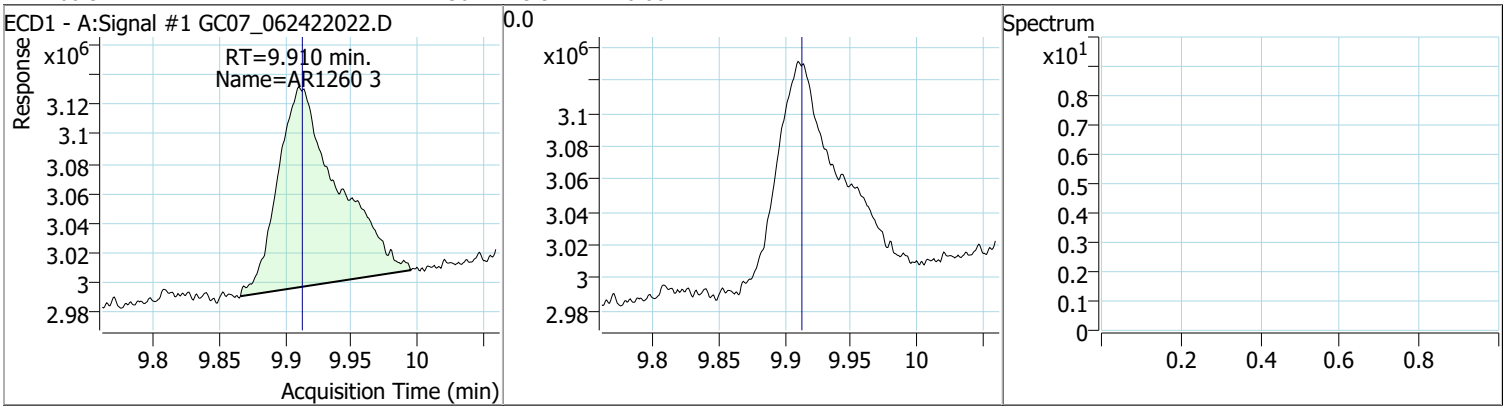
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	23.8666	8.81	0.01	312836				



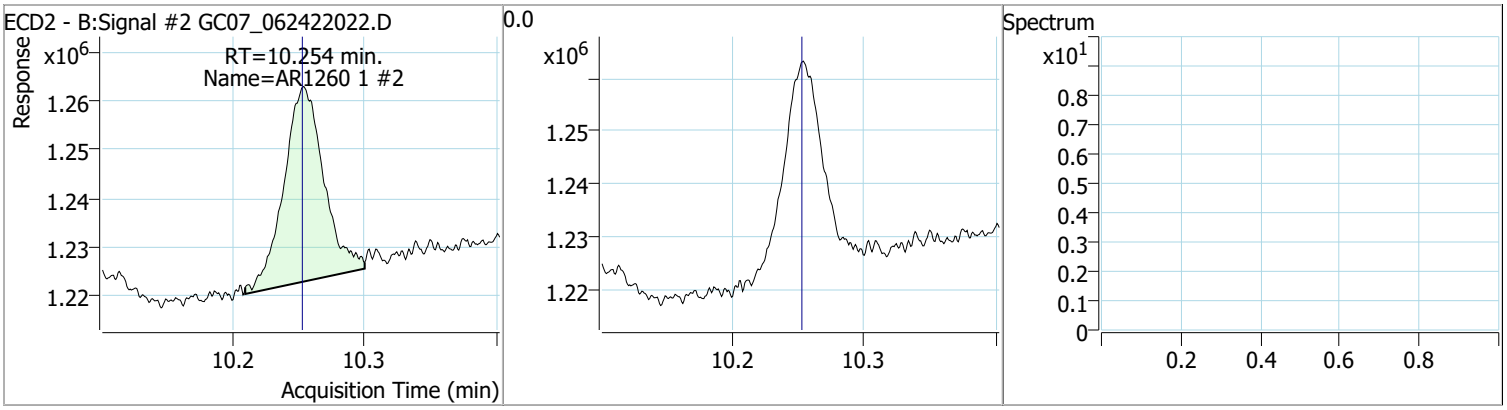
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	23.1062	9.40	0.00	434771				



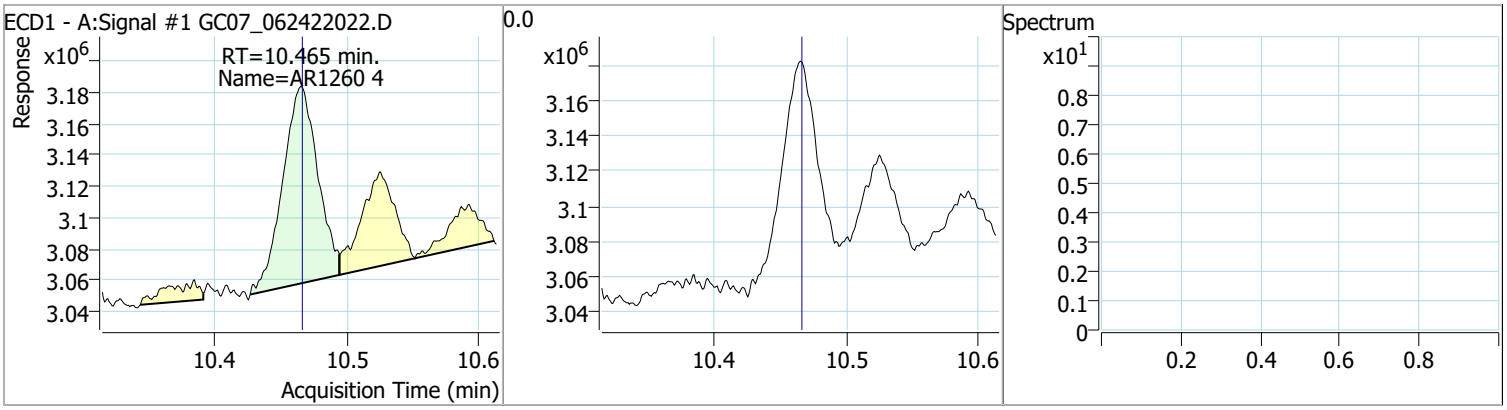
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	22.2736	9.91	0.00	424712				



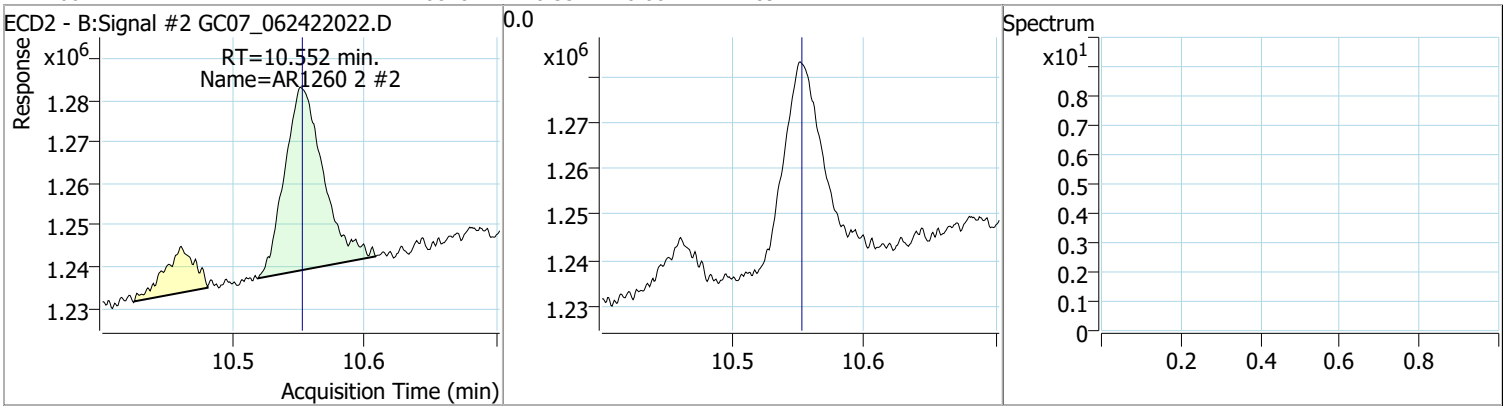
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	23.3914	10.25	0.00	84960				



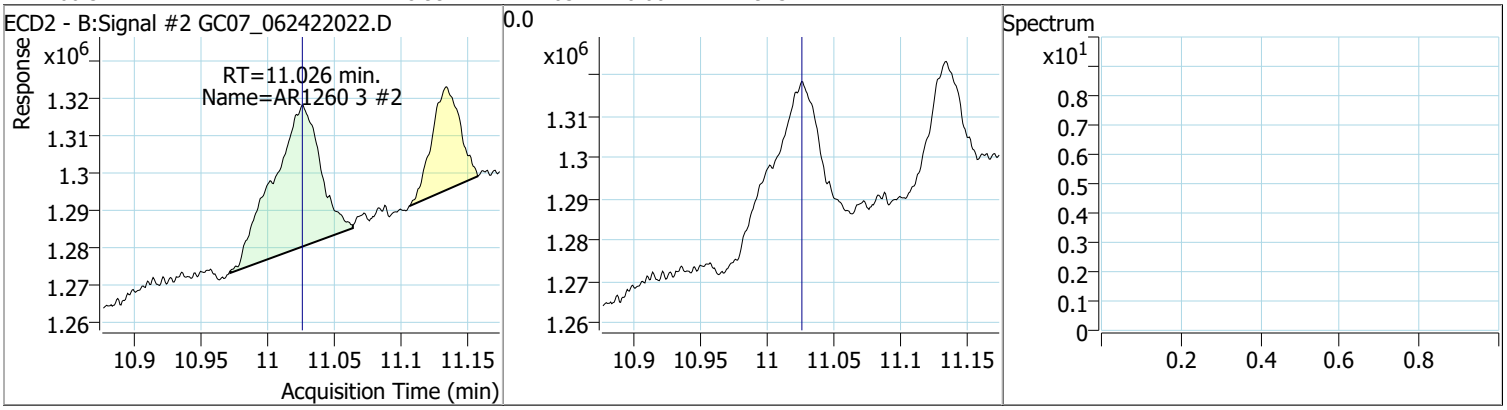
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	23.7836	10.47	0.00	231835				



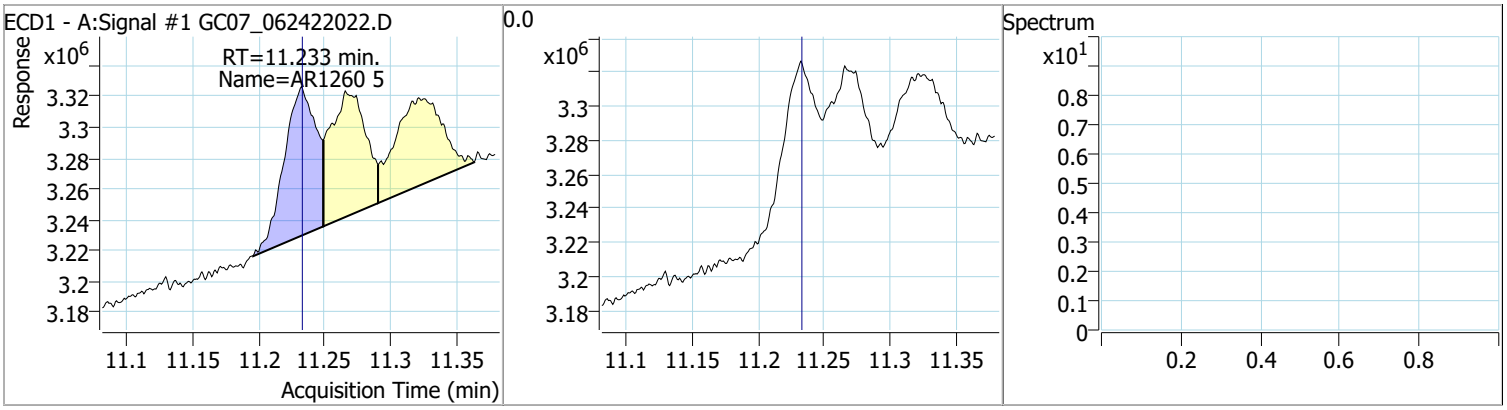
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	22.0828	10.55	0.00	89111				



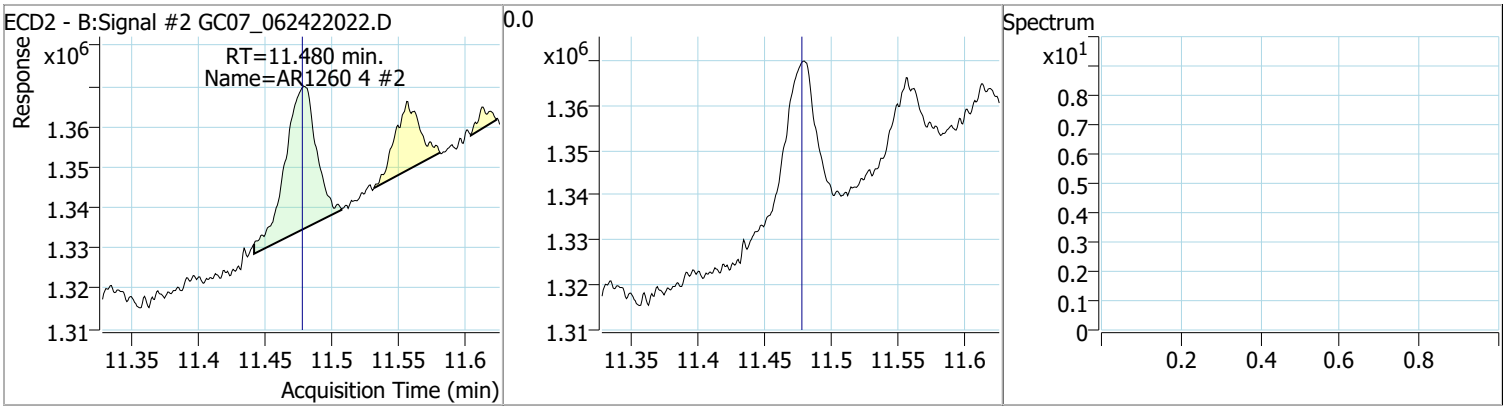
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	18.9942	11.03	0.00	94342				



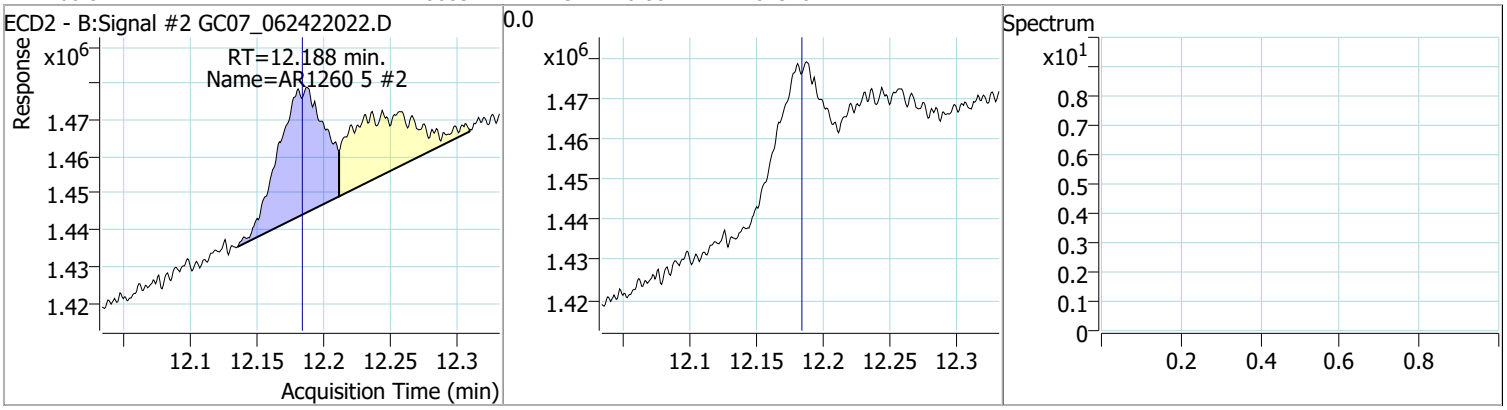
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	18.2491	11.23	0.00	163315				



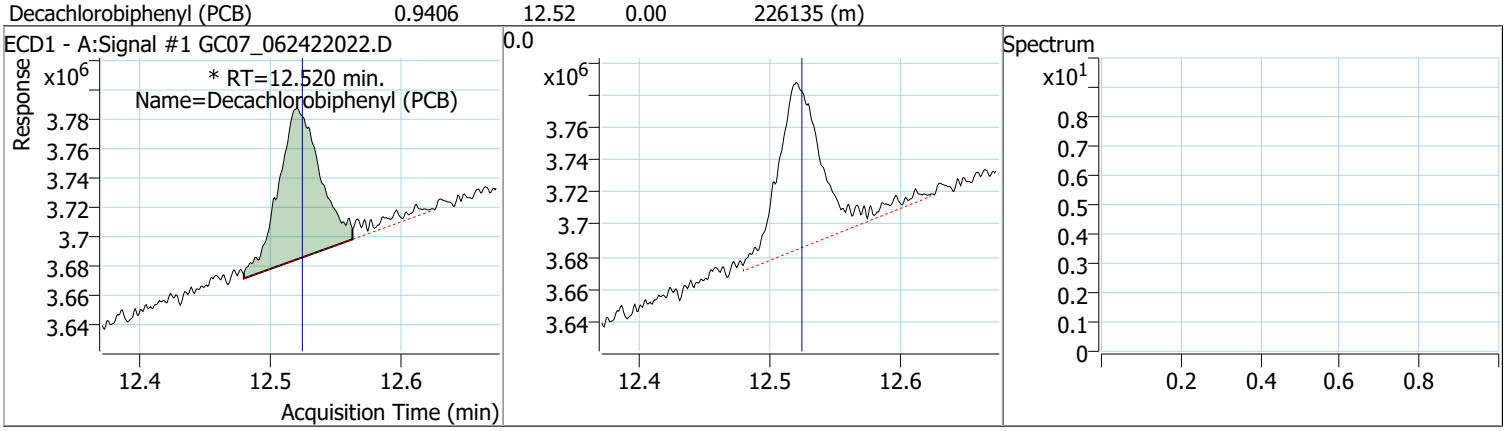
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	20.8410	11.48	0.00	58078				



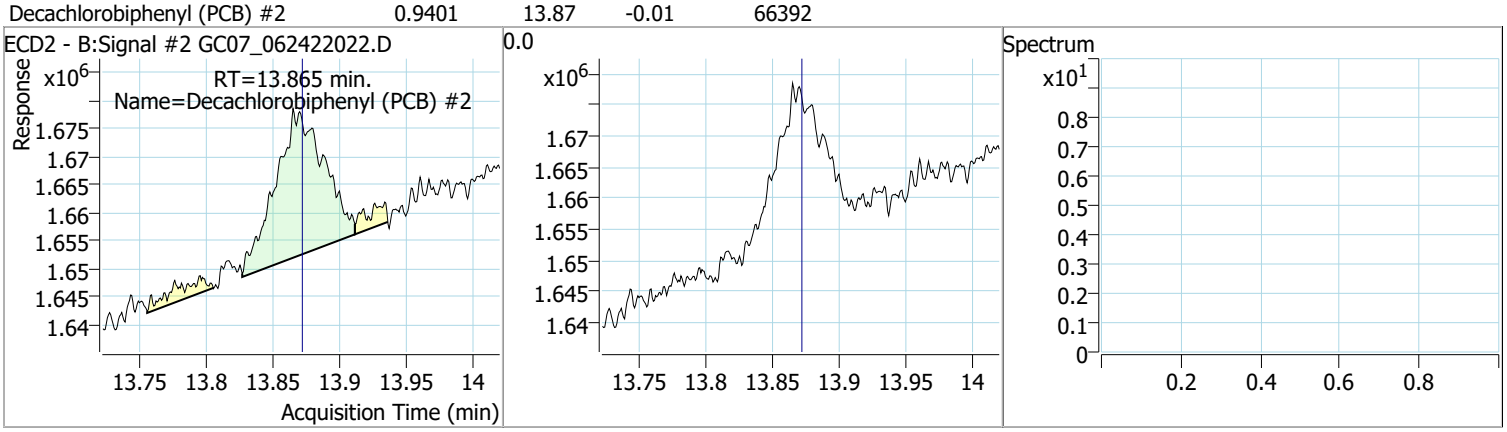
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	21.0683	12.19	0.00	84370				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	0.9406	12.52	0.00	226135 (m)				

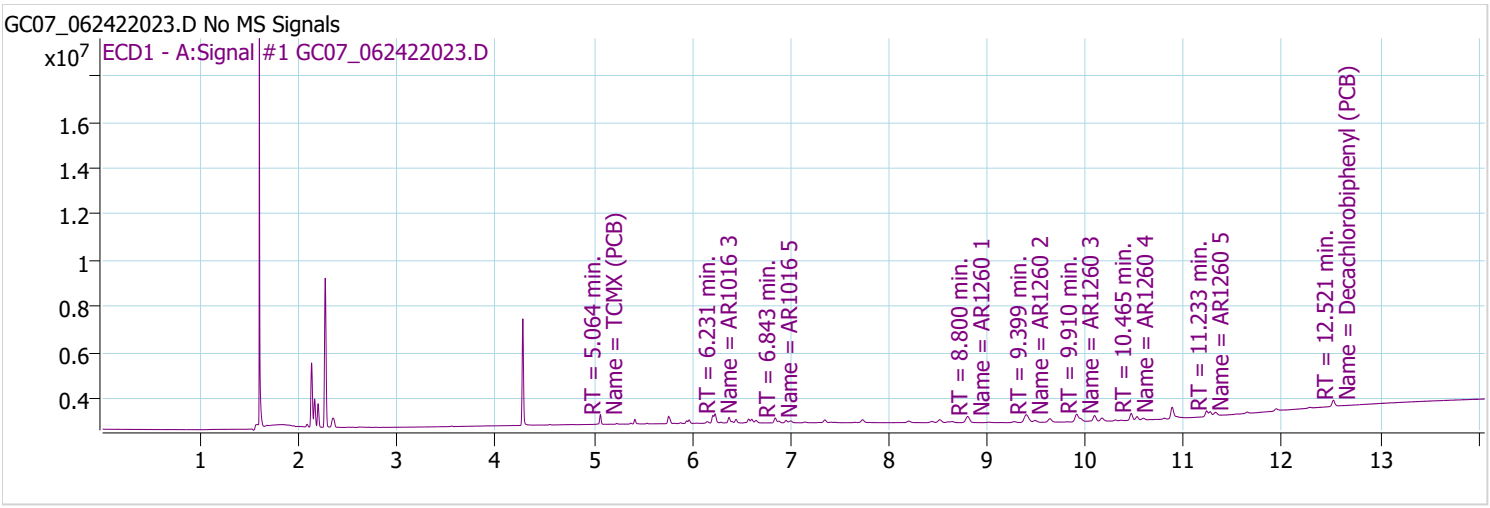


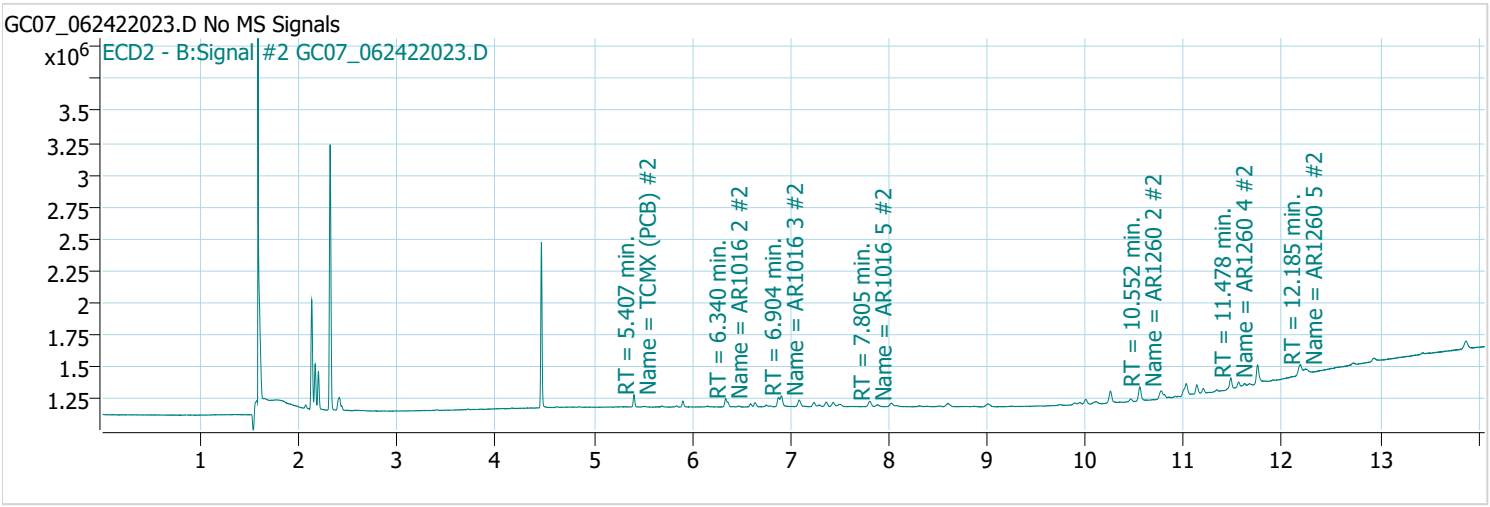
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	0.9401	13.87	-0.01	66392				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422023.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 12:57:06 AM
Sample Name	ICAL, S16726, 40	Instrument	SVOA-GC07
Vial	12	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	50 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



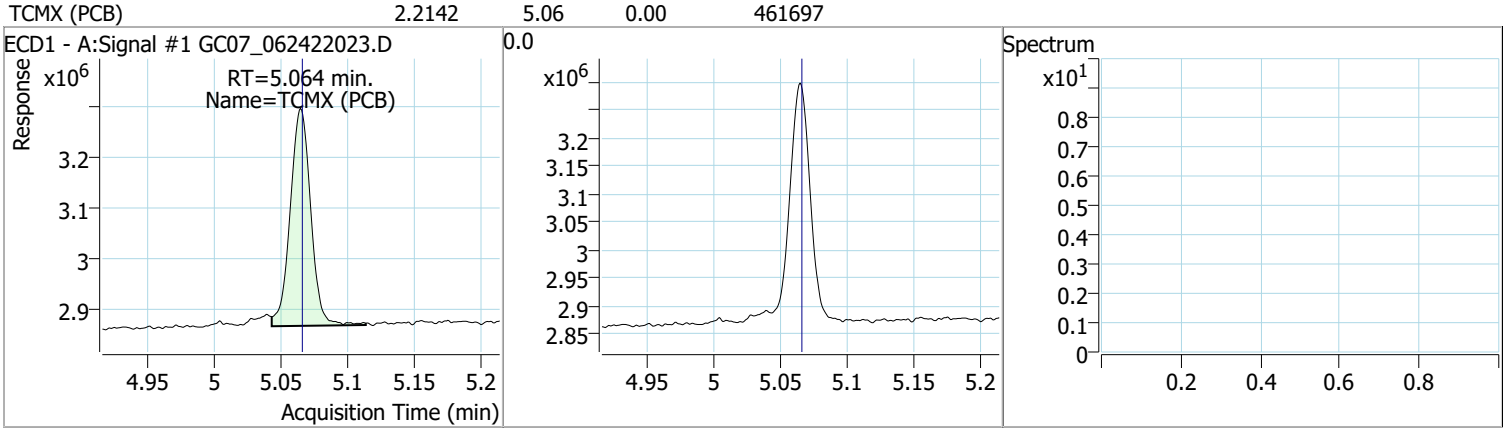


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.275	0.0	4421081.238	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.464	0.0	1166029.162	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.064	0.0	461696.881	2.2142	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 11.07%		*	
S TCMX (PCB) #2	5.407	0.0	103612.107	1.9580	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 9.79%		*	
S Decachlorobiphenyl (PCB)	12.521	0.0	553575.109	2.2415	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 11.21%		*	
S Decachlorobiphenyl (PCB) #2	13.874	0.0	166632.232	2.3208	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 11.60%		*	
Target Compounds							**QValue**
T AR1016 1	5.416	0.0	237850.351	56.0780	ng/ml		100
T AR1016 2	5.758	0.0	534537.195	58.1490	ng/ml		100
T AR1016 1 #2	5.903	0.0	60136.646	51.2128	ng/ml		100

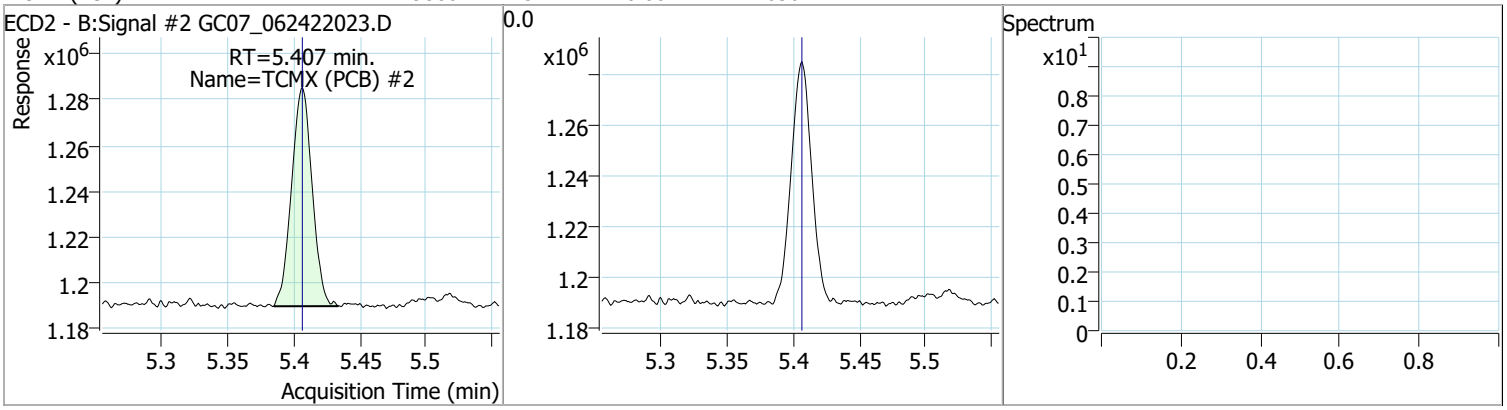
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 3	6.231	0.0	599053.673	56.2764	ng/ml		100
T AR1016 2 #2	6.340	0.0	136866.628	53.5269	ng/ml		100
T AR1016 4	6.373	0.0	425242.429	55.5522	ng/ml		100
T AR1016 5	6.843	0.0	356105.605	55.8492	ng/ml		100
T AR1016 3 #2	6.904	0.0	153954.877	52.4901	ng/ml		100
T AR1016 4 #2	7.088	0.0	110455.001	54.2604	ng/ml	m	100
T AR1016 5 #2	7.805	0.0	92592.611	54.4514	ng/ml		100
T AR1260 1	8.800	0.0	762811.285	56.6516	ng/ml		100
T AR1260 2	9.399	0.0	1080530.411	55.9018	ng/ml		100
T AR1260 3	9.910	0.0	1052709.932	53.7435	ng/ml		100
T AR1260 1 #2	10.252	0.0	191092.109	51.7466	ng/ml		100
T AR1260 4	10.465	0.0	555278.694	55.4537	ng/ml		100
T AR1260 2 #2	10.552	0.0	214360.496	52.2477	ng/ml		100
T AR1260 3 #2	11.024	0.0	252189.870	49.9394	ng/ml		100
T AR1260 5	11.233	0.0	443921.654	48.2882	ng/ml		100
T AR1260 4 #2	11.478	0.0	151432.269	53.4472	ng/ml		100
T AR1260 5 #2	12.185	0.0	211880.137	52.0391	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

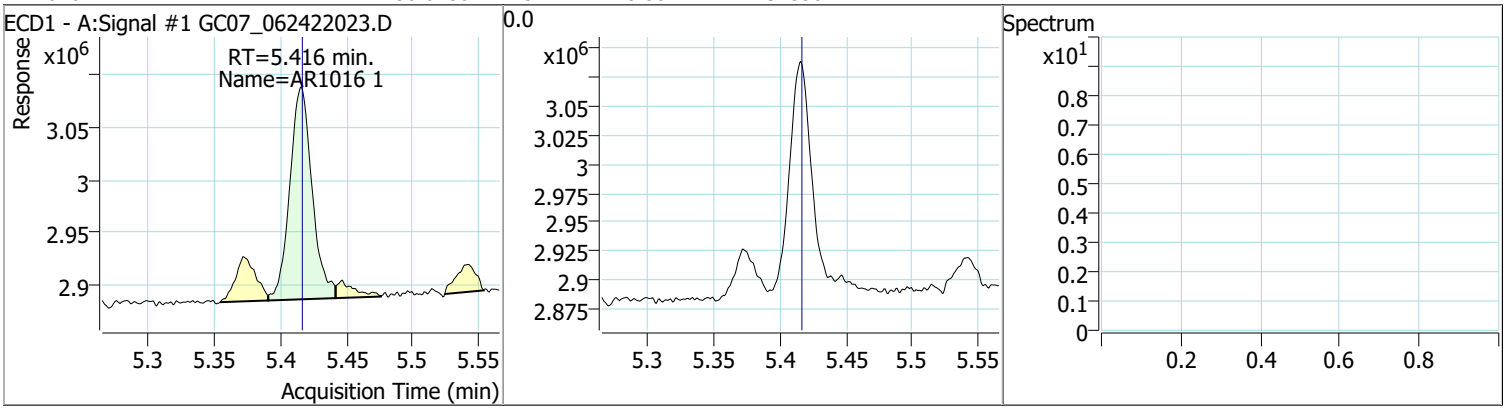
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	2.2142	5.06	0.00	461697				



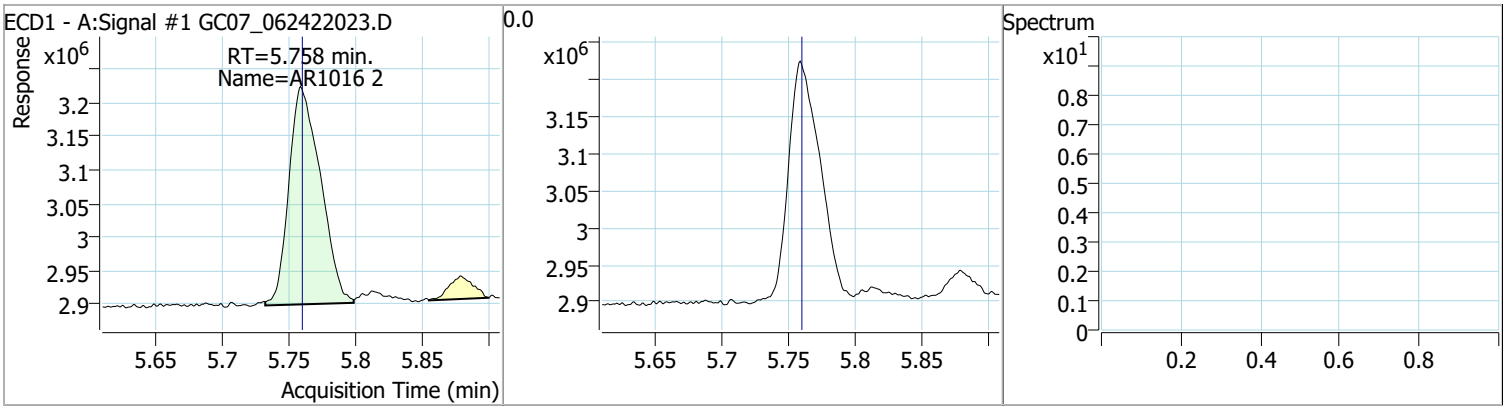
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	1.9580	5.41	0.00	103612				



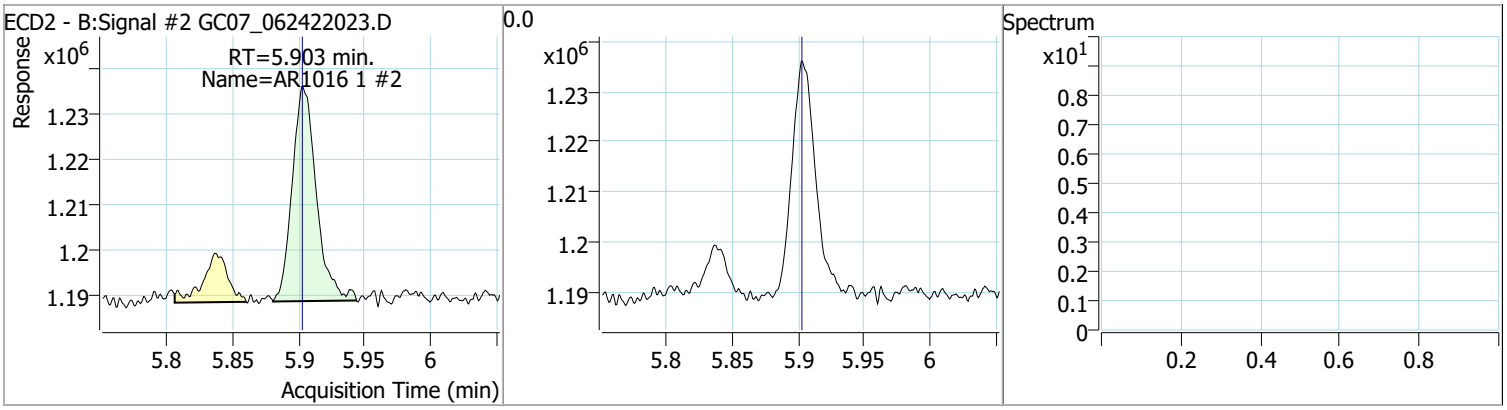
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	56.0780	5.42	0.00	237850				



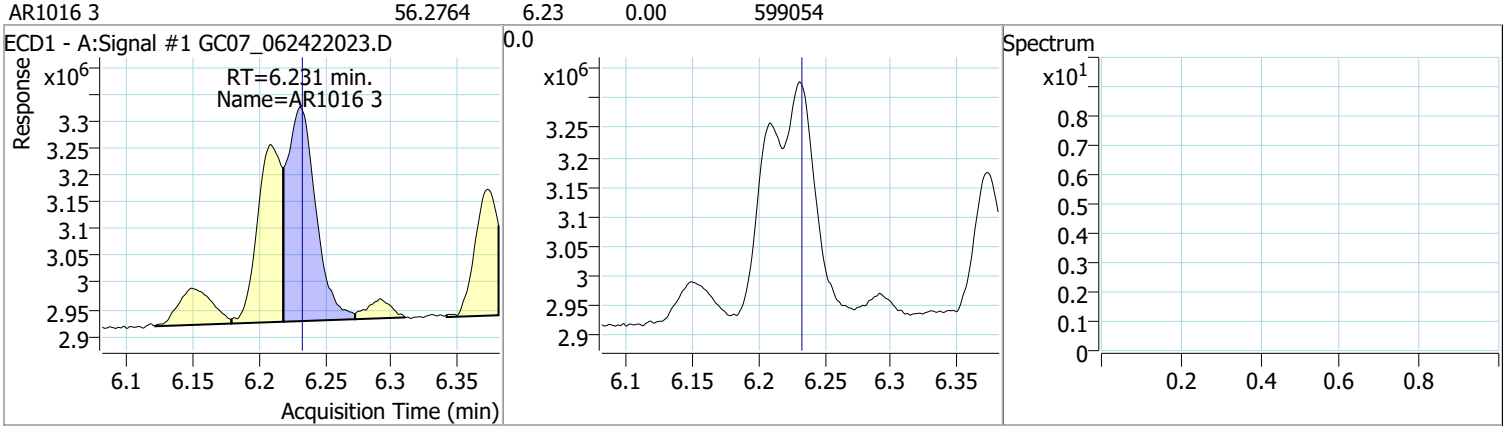
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	58.1490	5.76	0.00	534537				



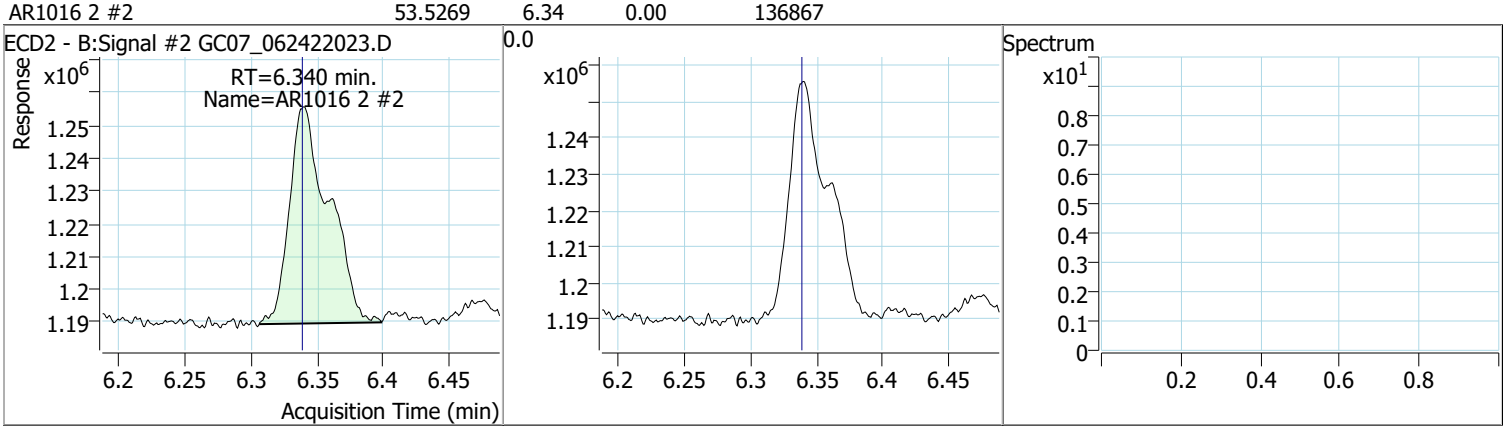
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	51.2128	5.90	0.00	60137				



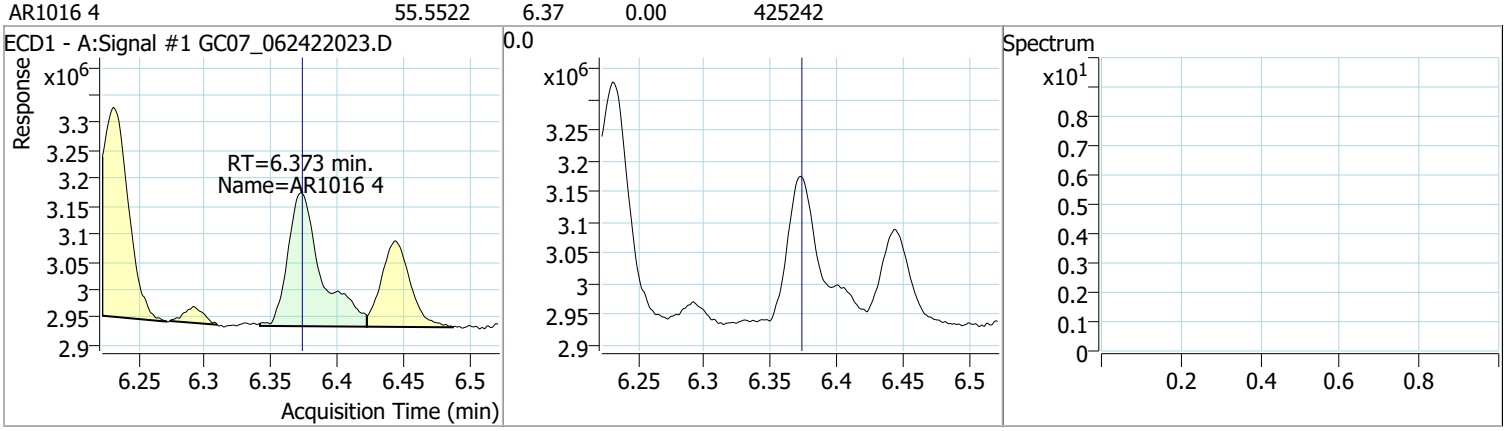
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	56.2764	6.23	0.00	599054				



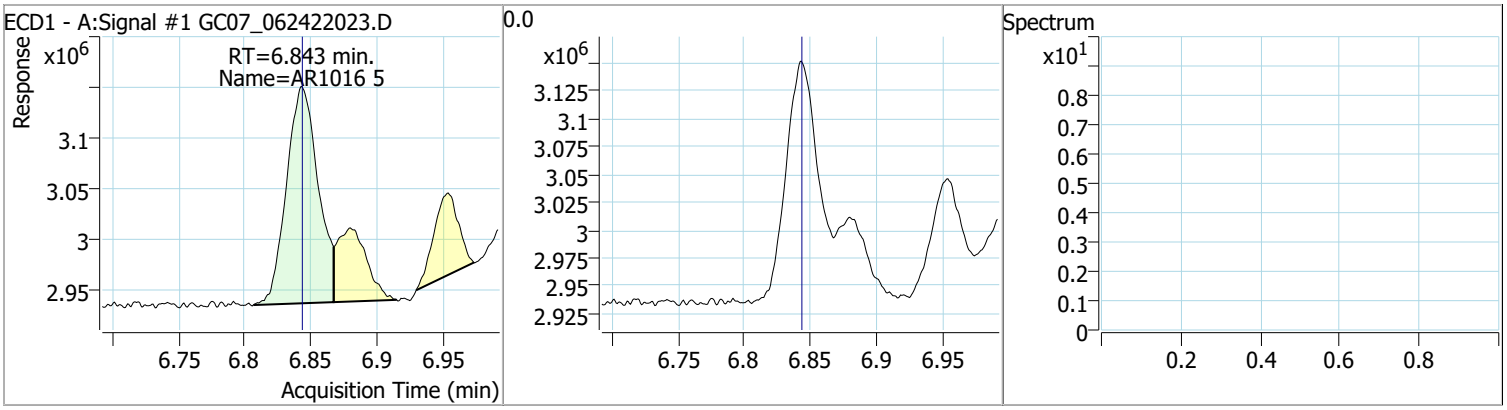
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	53.5269	6.34	0.00	136867				



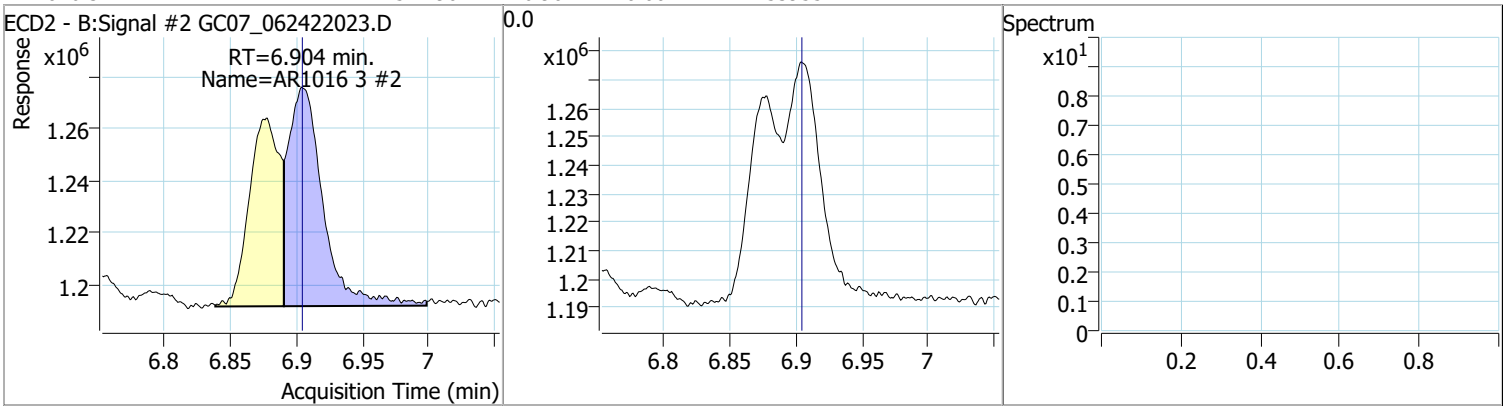
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	55.5522	6.37	0.00	425242				



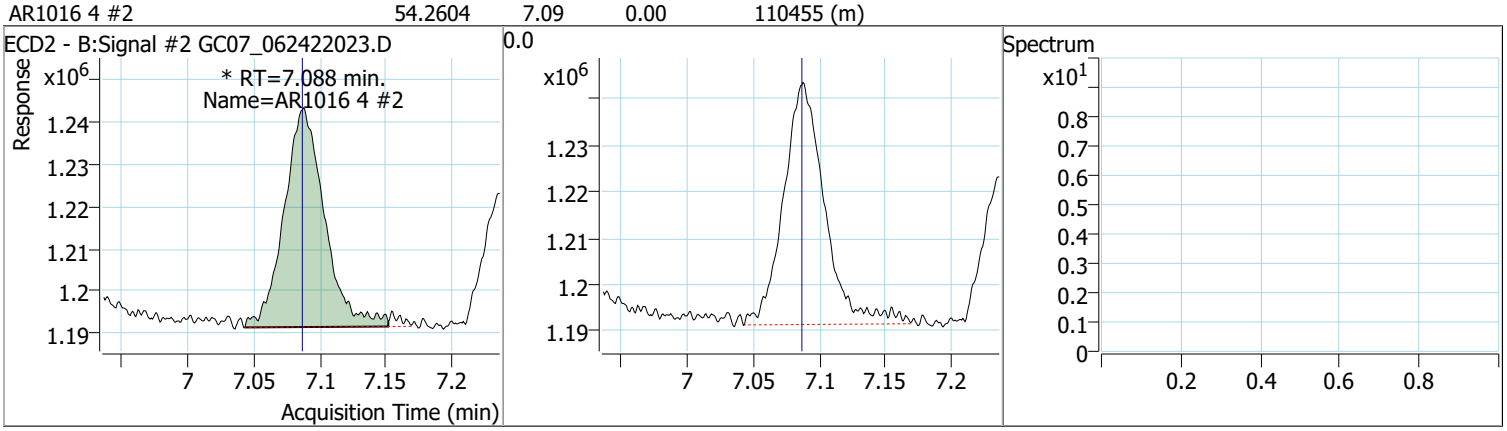
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	55.8492	6.84	0.00	356106				



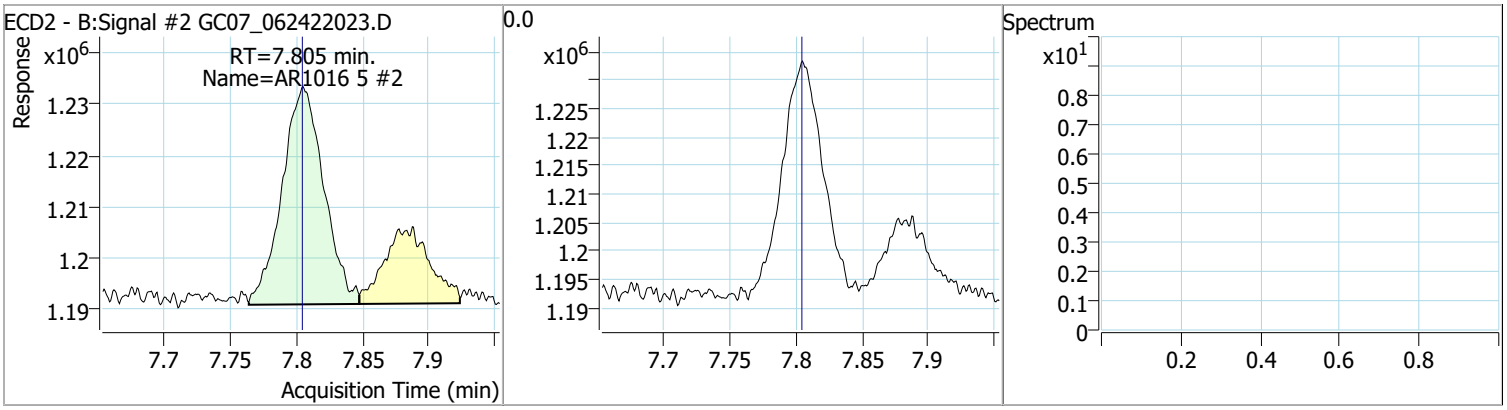
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	52.4901	6.90	0.00	153955				



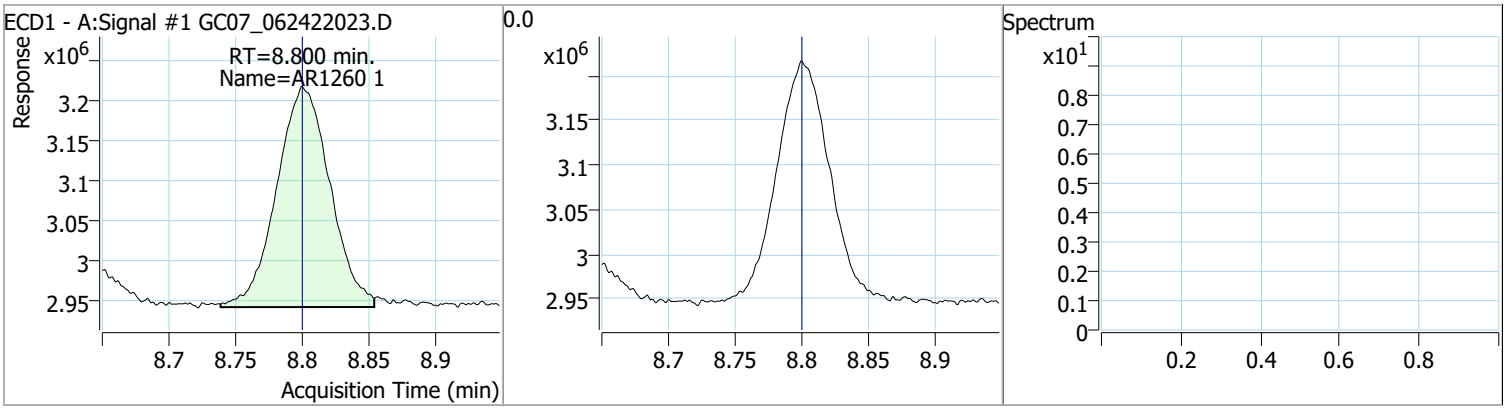
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	54.2604	7.09	0.00	110455 (m)				



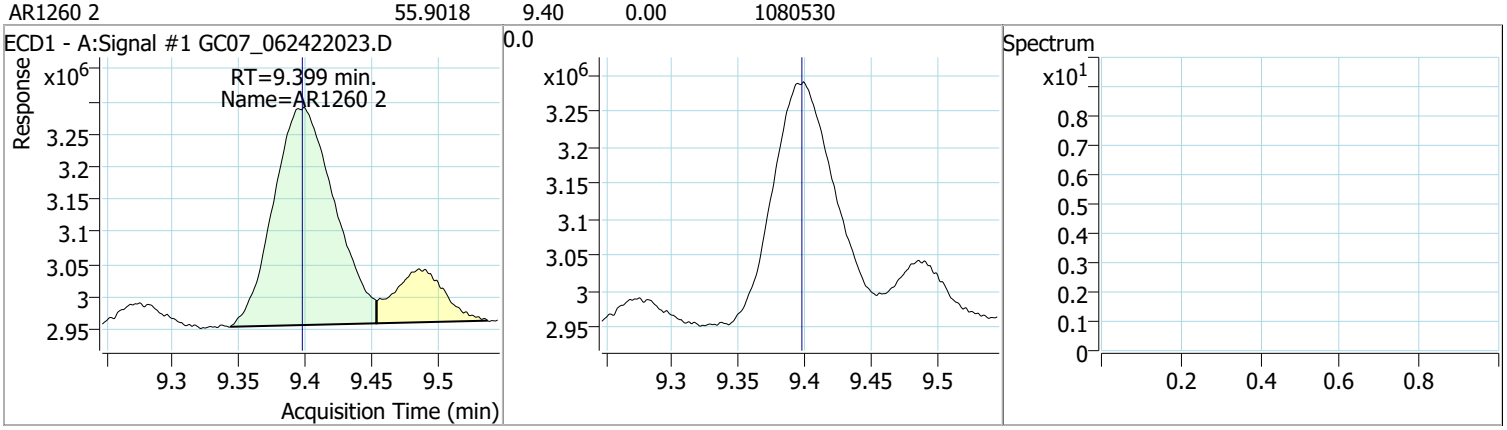
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	54.4514	7.81	0.00	92593				



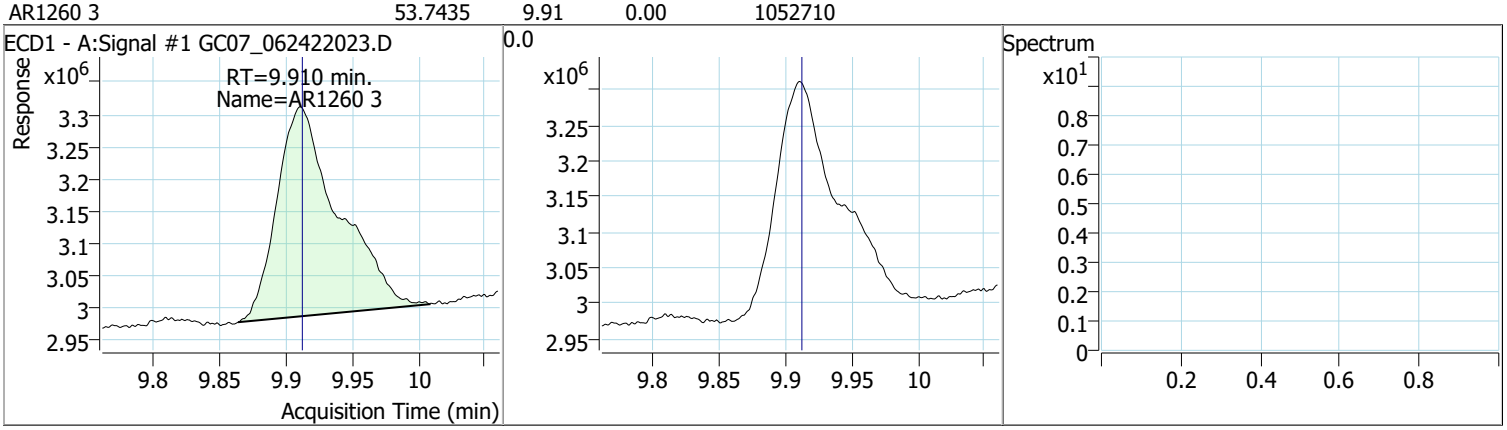
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	56.6516	8.80	0.00	762811				



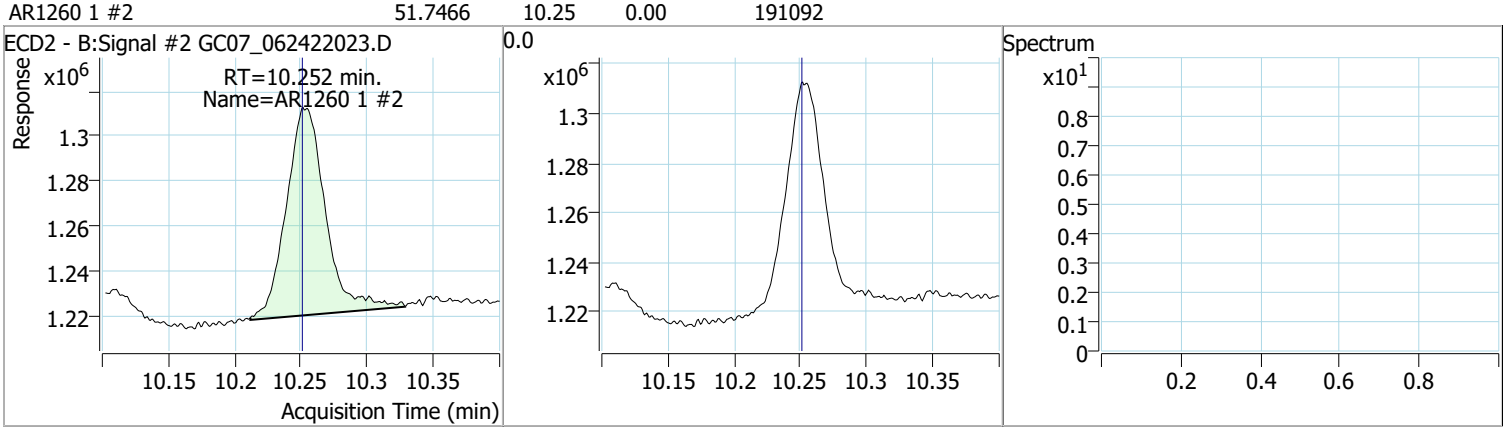
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	55.9018	9.40	0.00	1080530				



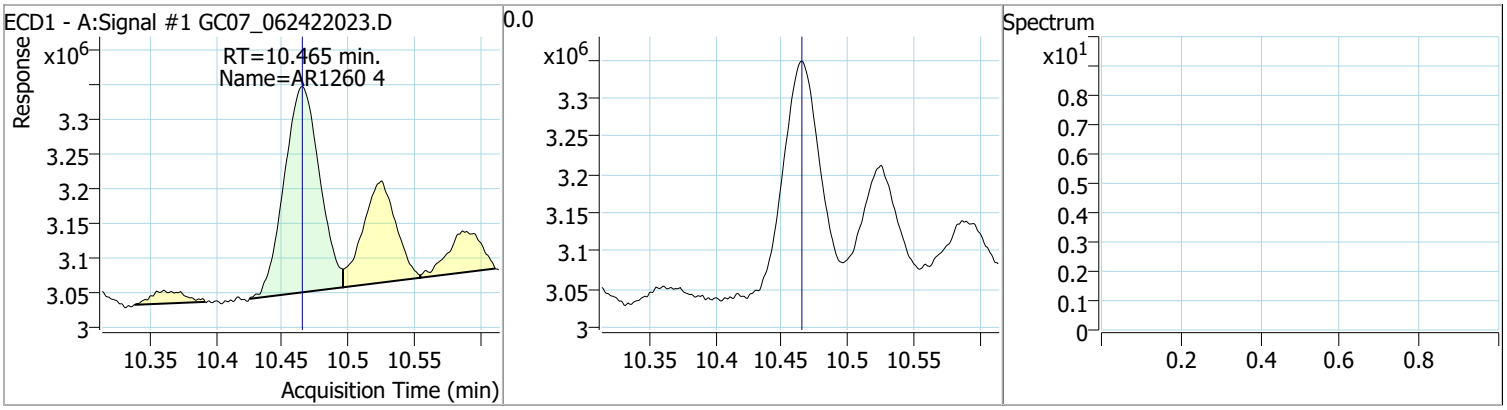
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	53.7435	9.91	0.00	1052710				



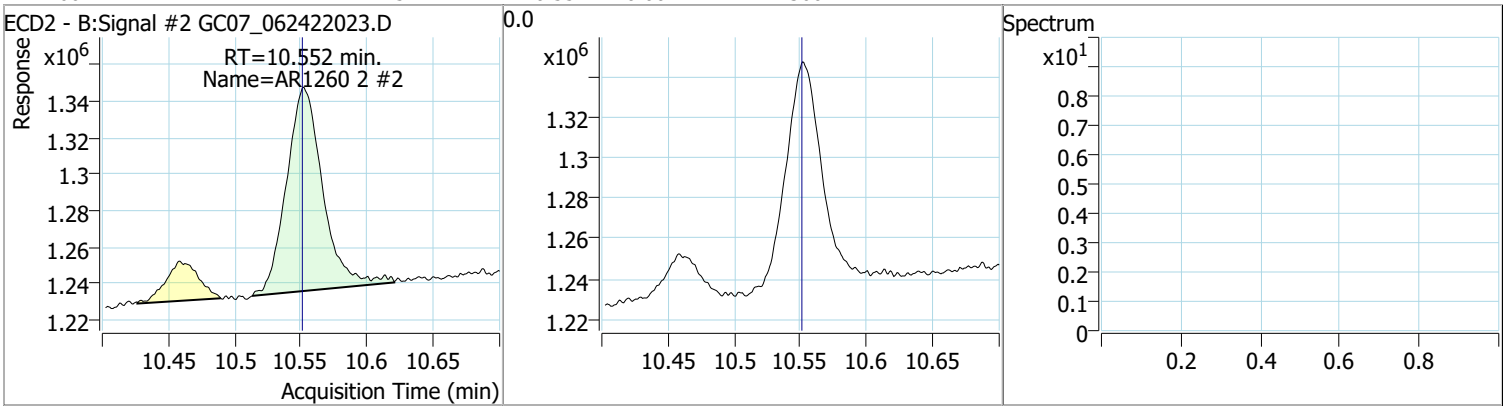
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	51.7466	10.25	0.00	191092				



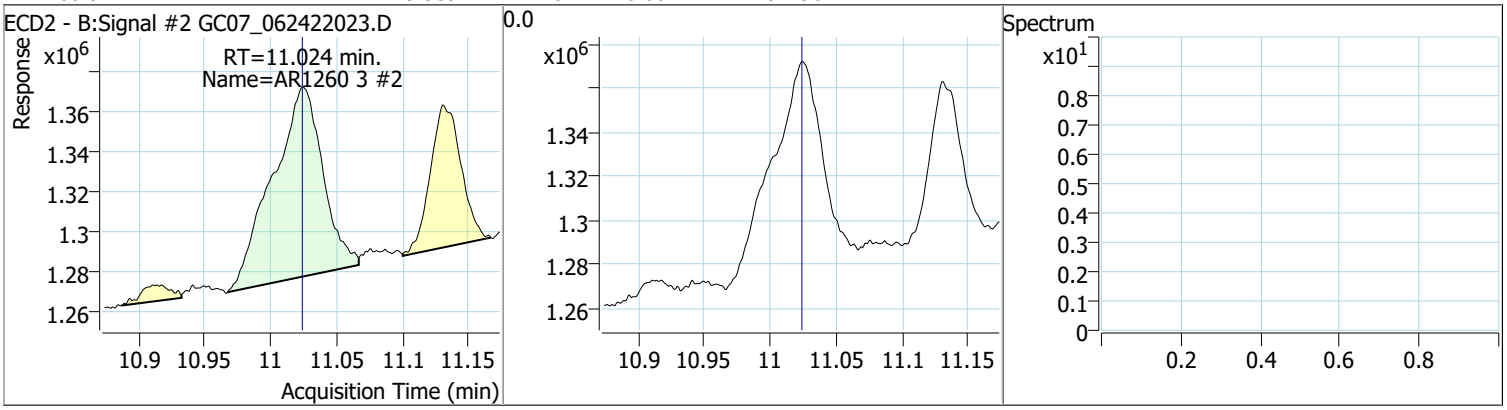
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	55.4537	10.47	0.00	555279				



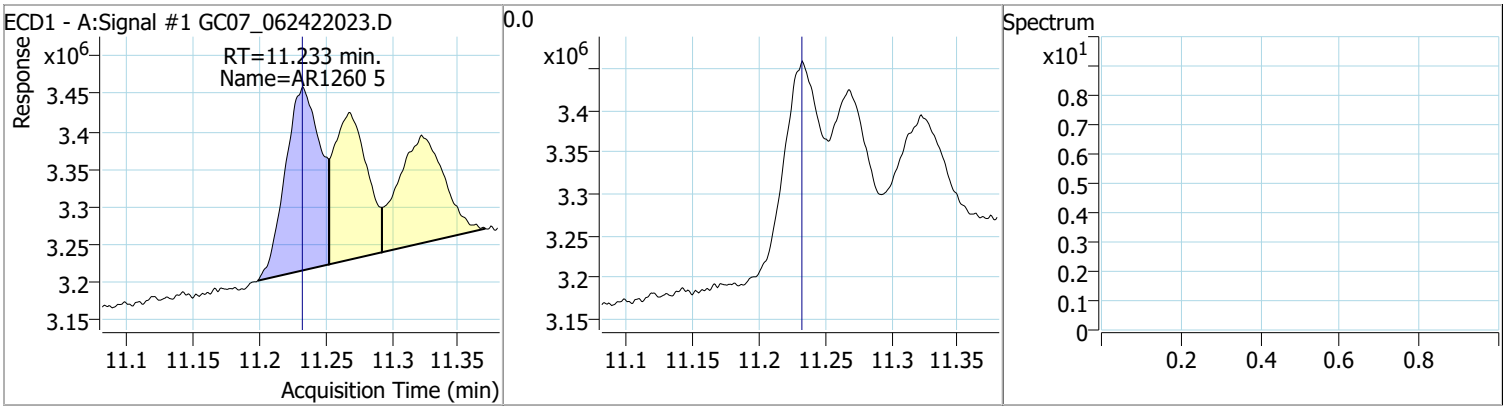
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	52.2477	10.55	0.00	214360				



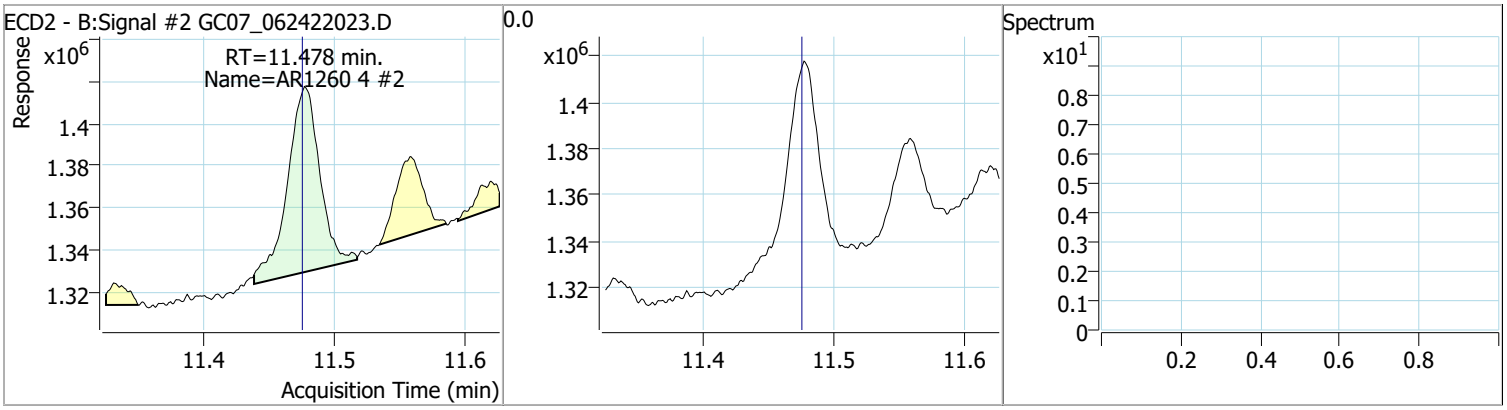
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	49.9394	11.02	0.00	252190				



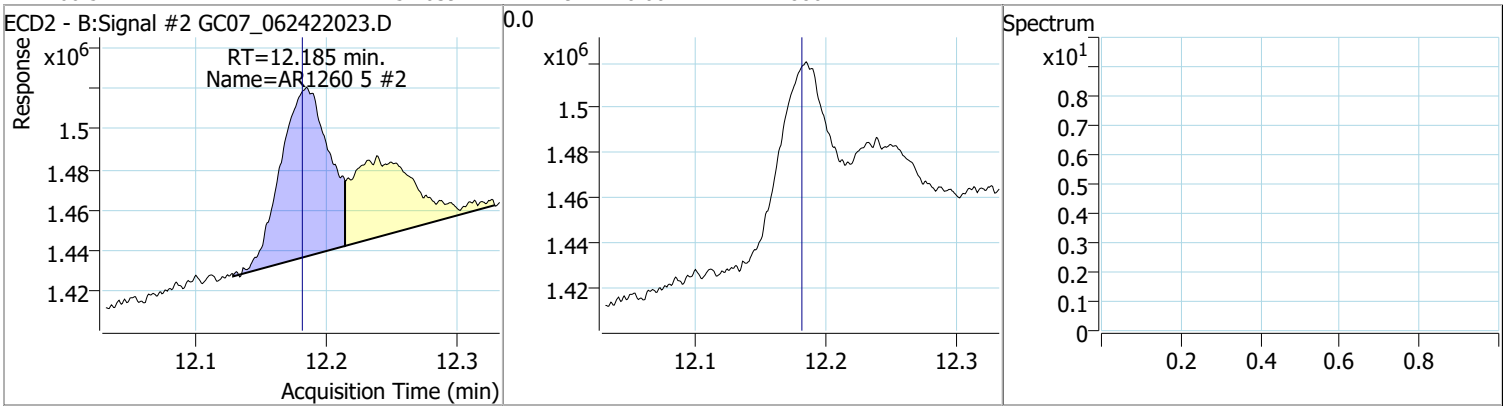
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	48.2882	11.23	0.00	443922				



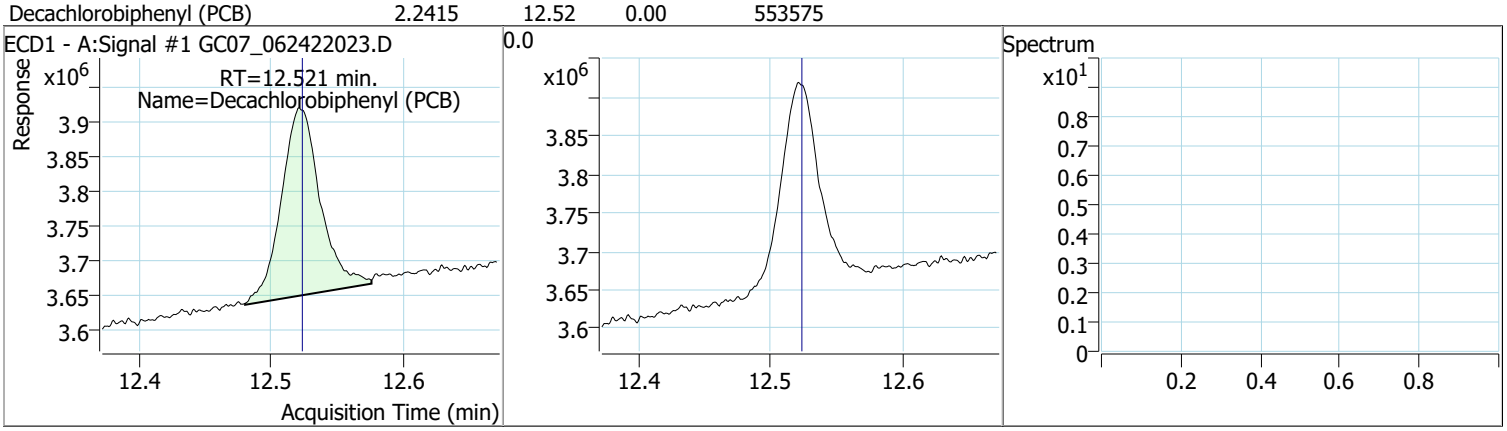
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	53.4472	11.48	0.00	151432				



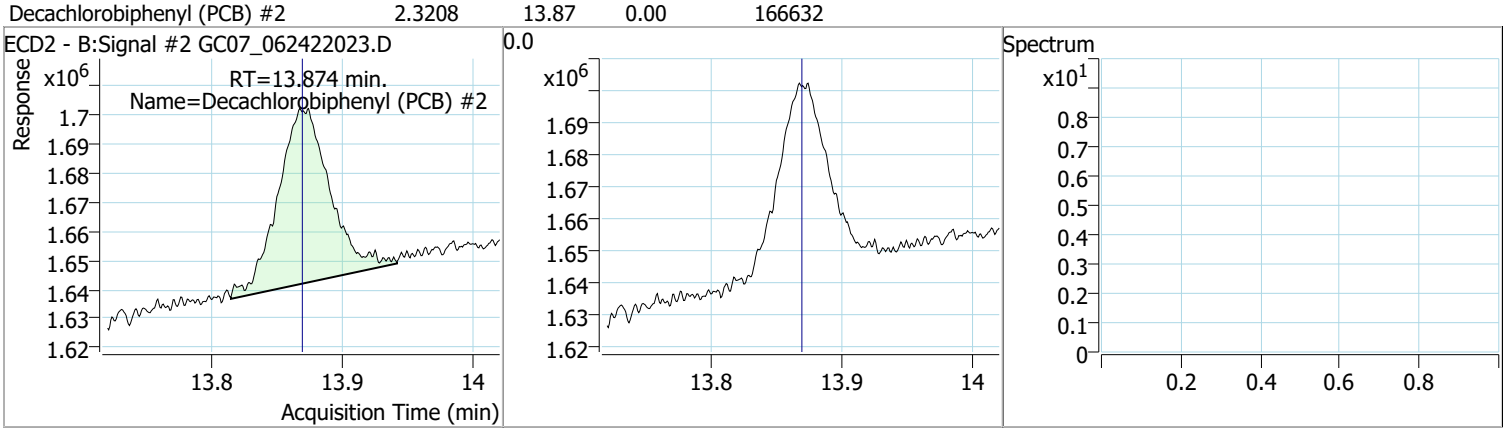
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	52.0391	12.19	0.00	211880				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	2.2415	12.52	0.00	553575				

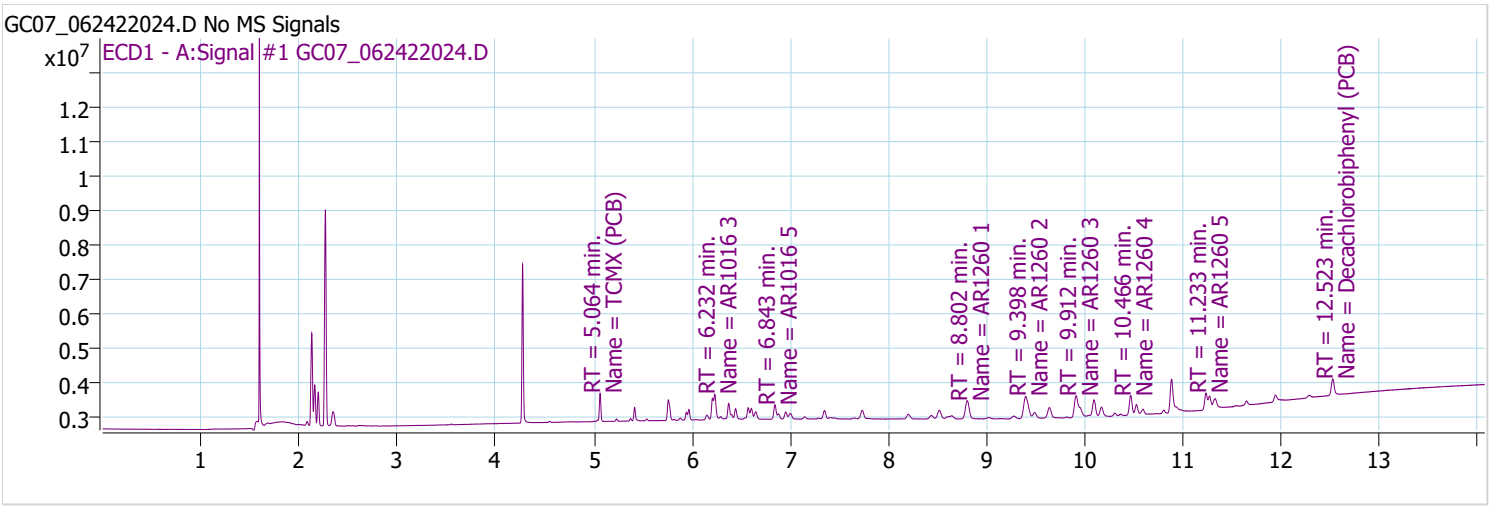


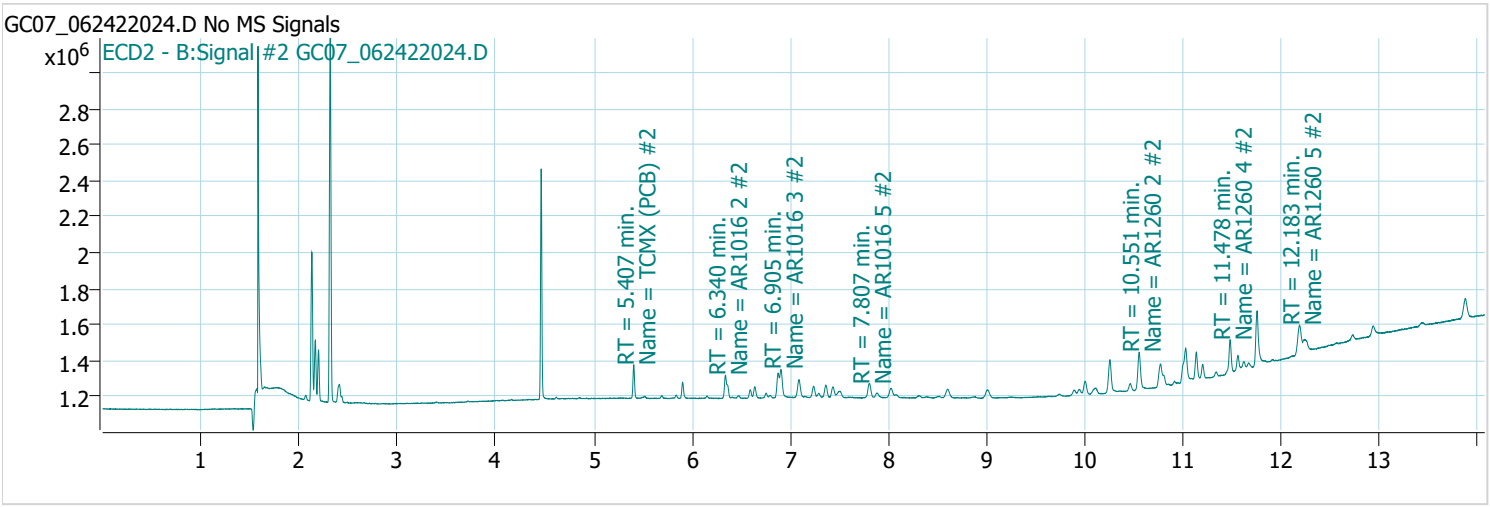
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	2.3208	13.87	0.00	166632				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422024.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 1:14:39 AM
Sample Name	ICAL, S16726, 20	Instrument	SVOA-GC07
Vial	13	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	100 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



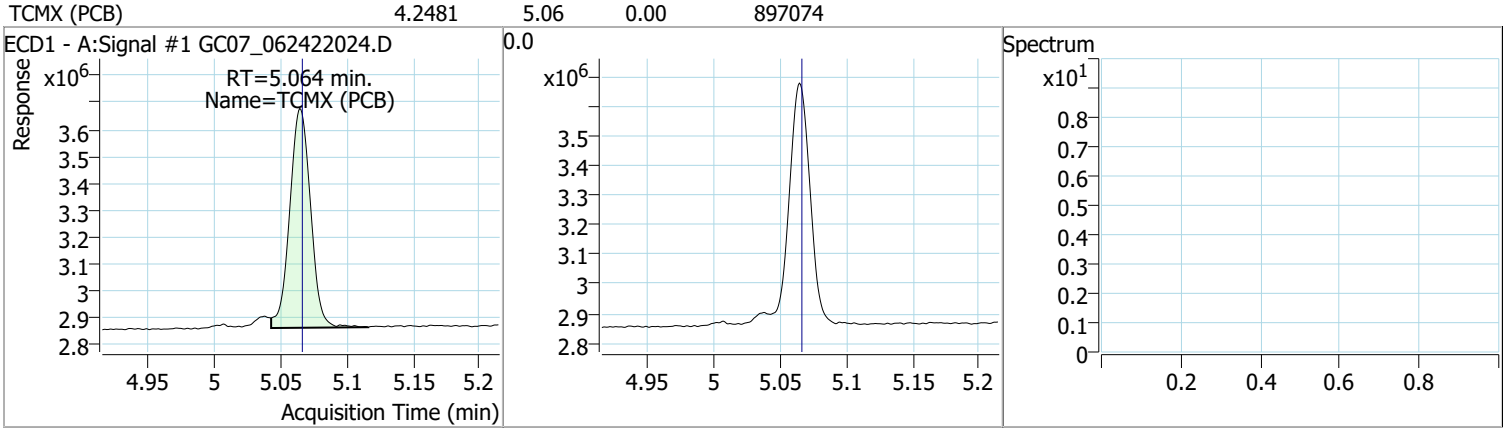


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.276	0.0	4477306.180	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.465	0.0	1187910.331	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.064	0.0	897074.472	4.2481	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 21.24%		*	
S TCMX (PCB) #2	5.407	0.0	207842.683	3.8553	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 19.28%		*	
S Decachlorobiphenyl (PCB)	12.523	0.0	1020372.834	4.0797	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.40%		*	
S Decachlorobiphenyl (PCB) #2	13.872	0.0	283373.502	3.8740	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 19.37%		*	
Target Compounds							**QValue**
T AR1016 1	5.416	0.0	447483.970	104.1784	ng/ml	m	100

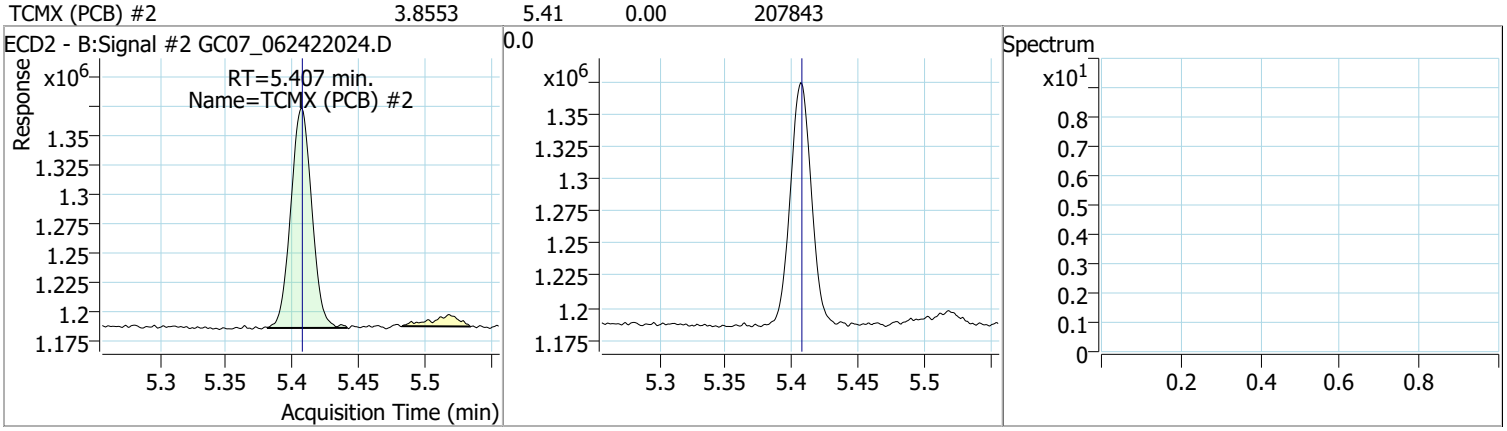
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.759	0.0	1039822.120	111.6954	ng/ml		100
T AR1016 1 #2	5.904	0.0	121966.911	101.9547	ng/ml		100
T AR1016 3	6.232	0.0	1159159.631	107.5266	ng/ml	m	100
T AR1016 2 #2	6.340	0.0	268047.434	102.8992	ng/ml		100
T AR1016 4	6.373	0.0	826298.381	106.5893	ng/ml	m	100
T AR1016 5	6.843	0.0	711331.722	110.1594	ng/ml		100
T AR1016 3 #2	6.905	0.0	297027.731	99.4047	ng/ml		100
T AR1016 4 #2	7.089	0.0	207364.114	99.9900	ng/ml		100
T AR1016 5 #2	7.807	0.0	174426.651	100.6866	ng/ml		100
T AR1260 1	8.802	0.0	1485443.579	108.9338	ng/ml		100
T AR1260 2	9.398	0.0	2110918.071	107.8380	ng/ml		100
T AR1260 3	9.912	0.0	2088066.579	105.2624	ng/ml		100
T AR1260 1 #2	10.254	0.0	386725.864	102.7941	ng/ml		100
T AR1260 4	10.466	0.0	1085118.256	107.0060	ng/ml		100
T AR1260 2 #2	10.551	0.0	429919.183	102.8573	ng/ml		100
T AR1260 3 #2	11.025	0.0	494668.368	96.1515	ng/ml		100
T AR1260 5	11.233	0.0	915842.814	98.3710	ng/ml		100
T AR1260 4 #2	11.478	0.0	281667.470	97.5818	ng/ml		100
T AR1260 5 #2	12.183	0.0	402682.110	97.0795	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

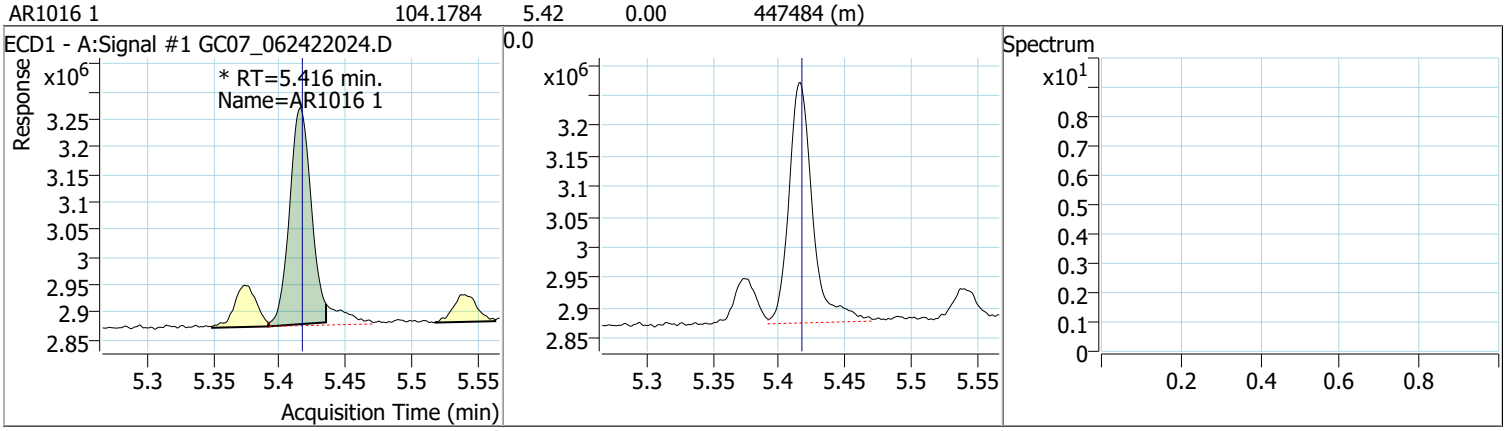
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	4.2481	5.06	0.00	897074				



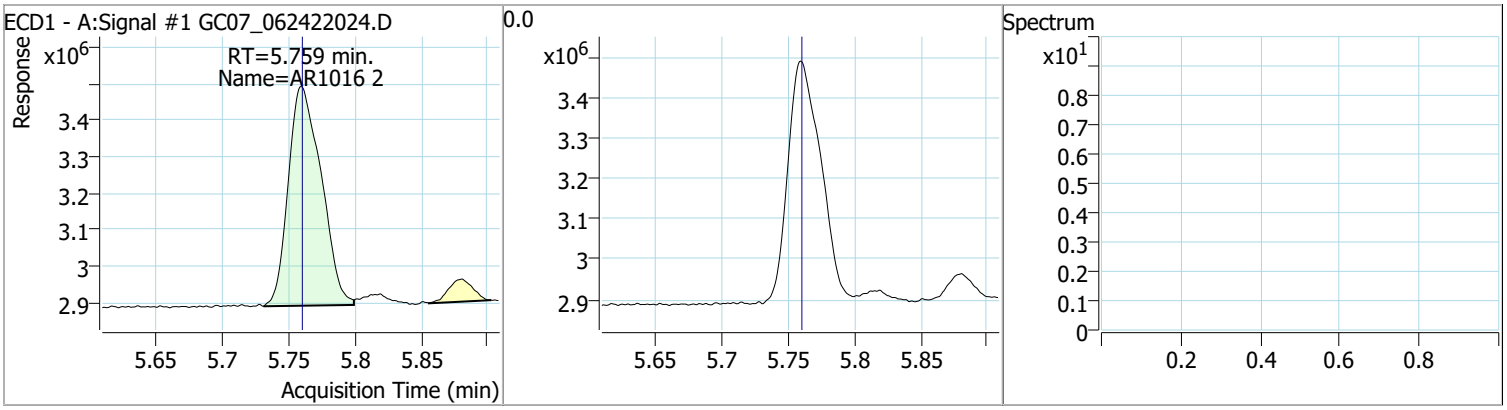
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	3.8553	5.41	0.00	207843				



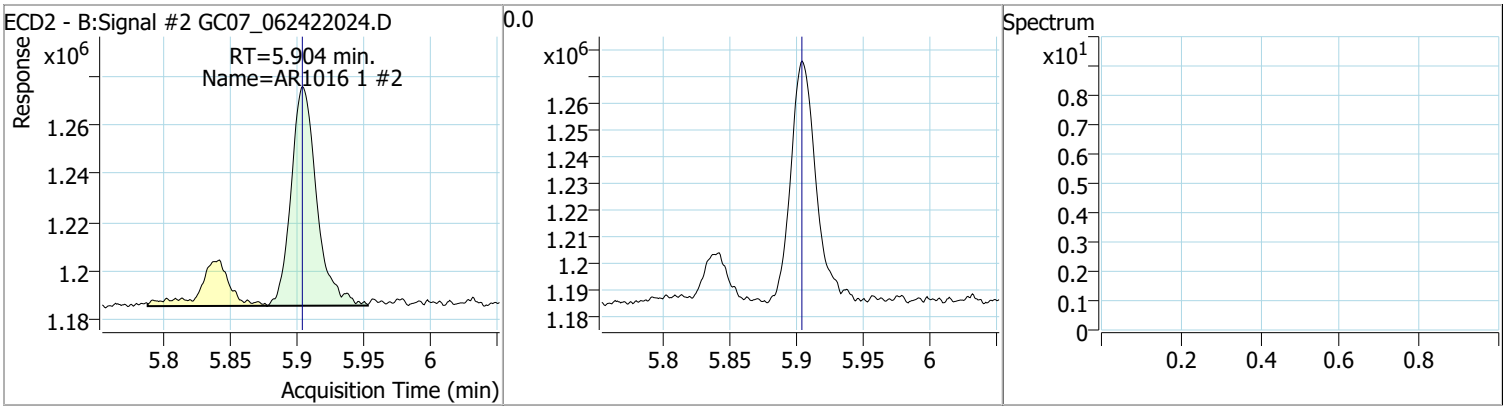
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	104.1784	5.42	0.00	447484 (m)				



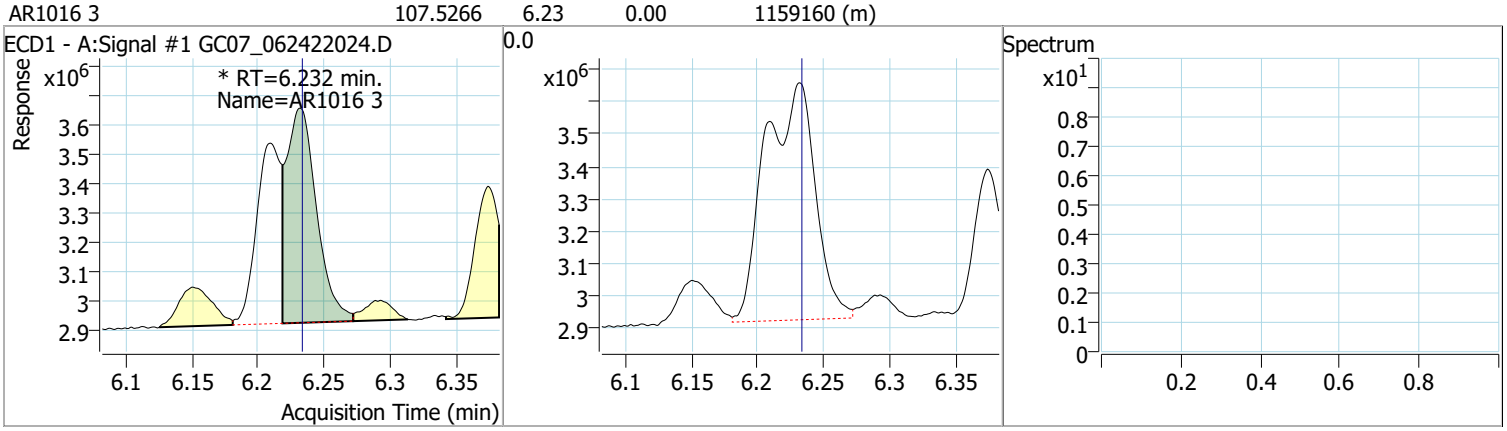
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	111.6954	5.76	0.00	1039822				



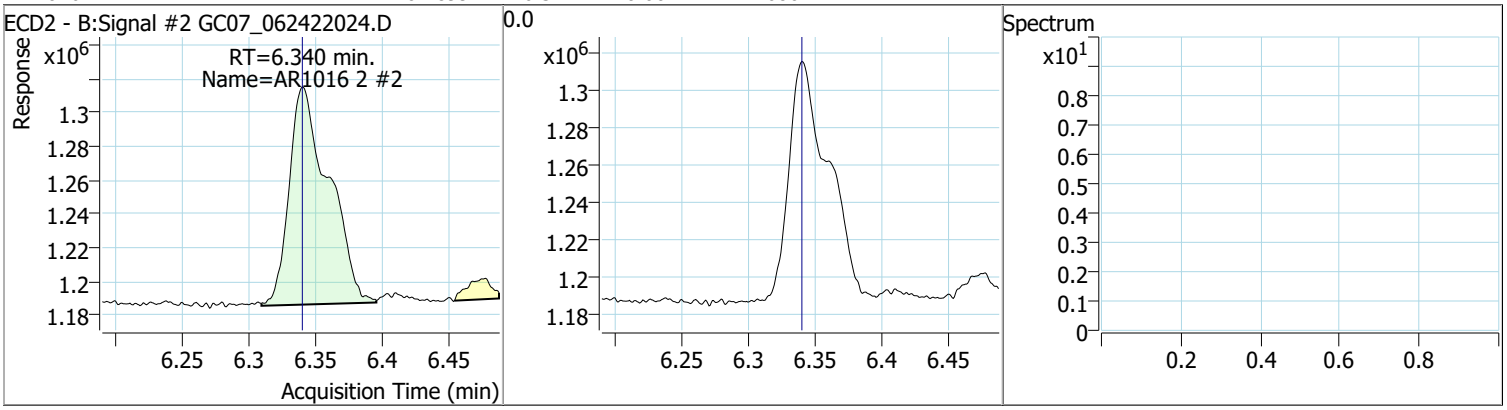
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	101.9547	5.90	0.00	121967				



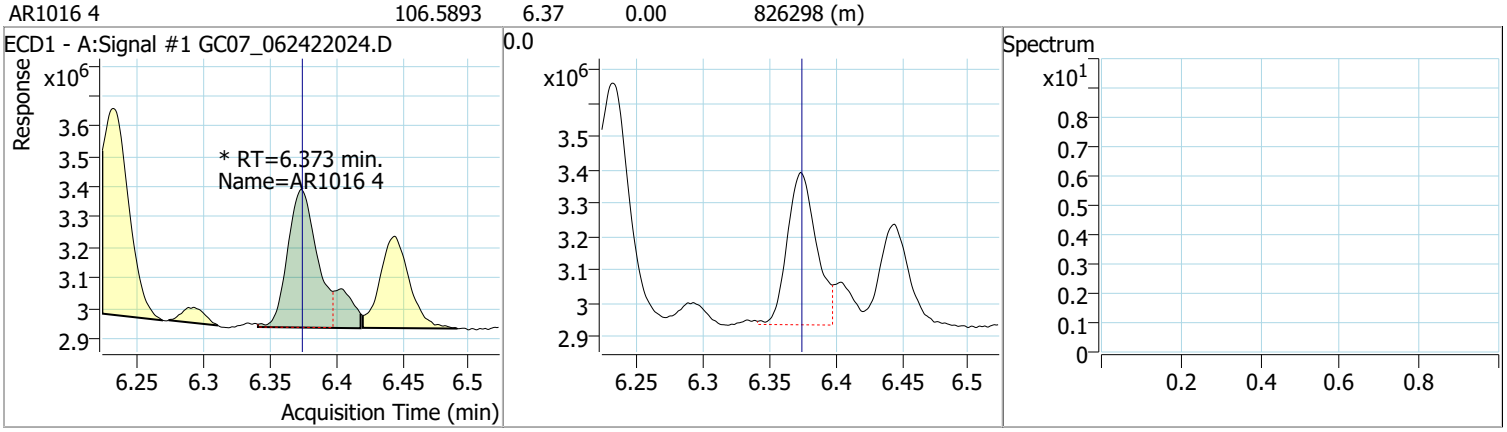
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	107.5266	6.23	0.00	1159160 (m)				



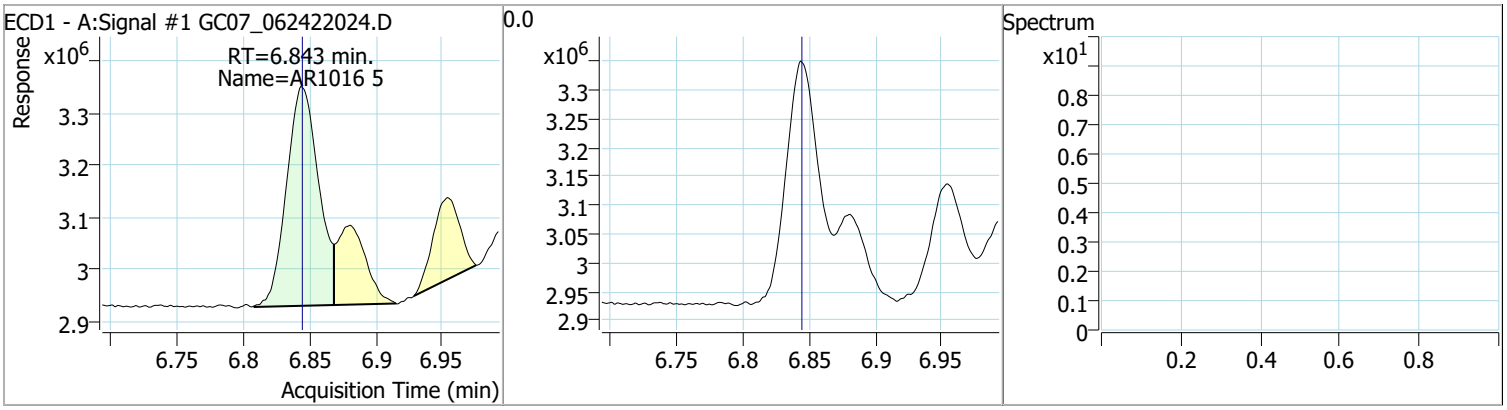
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	102.8992	6.34	0.00	268047				



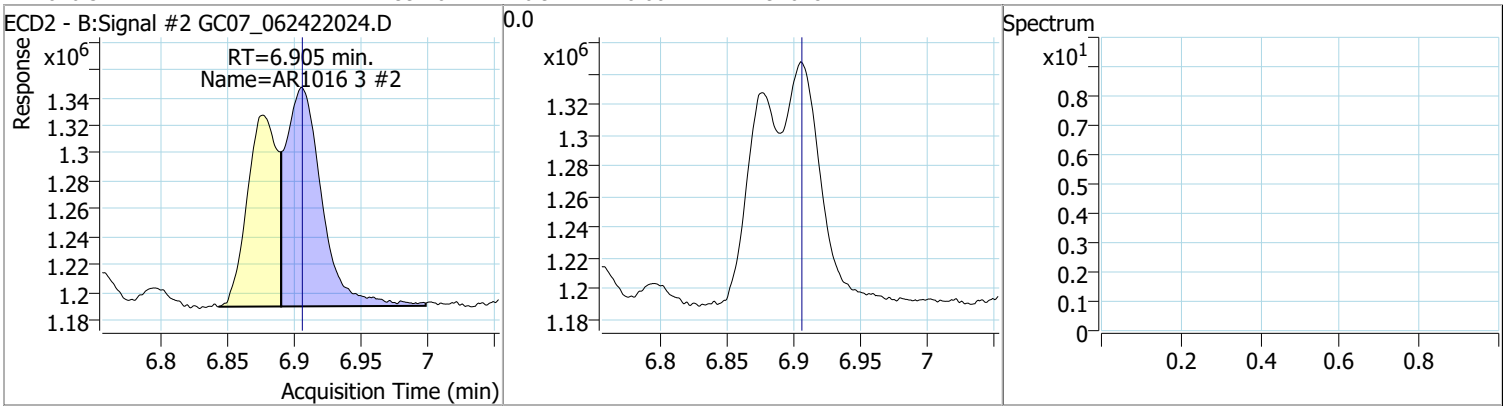
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	106.5893	6.37	0.00	826298 (m)				



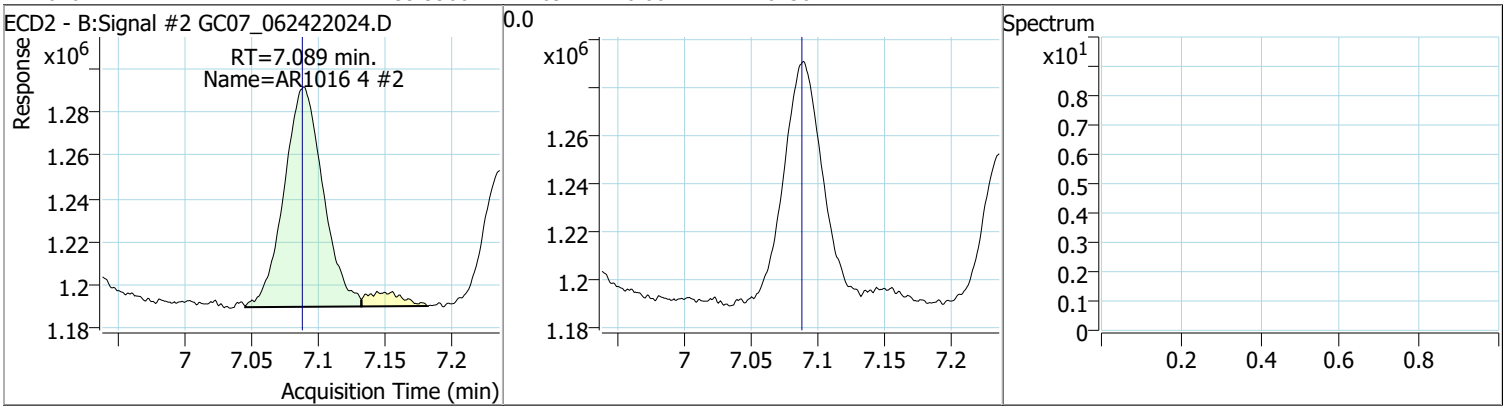
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	110.1594	6.84	0.00	711332				



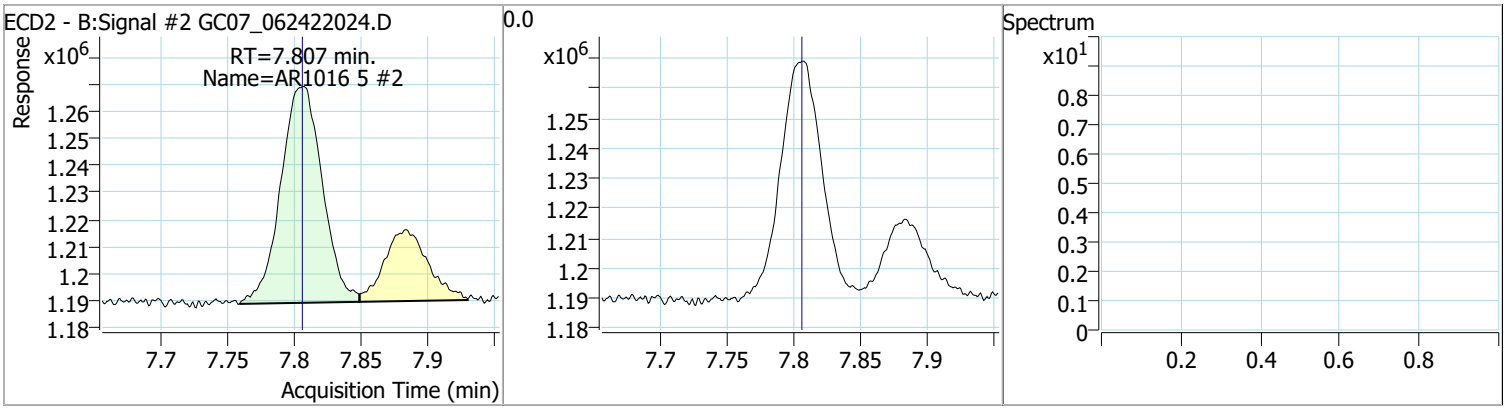
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	99.4047	6.91	0.00	297028				



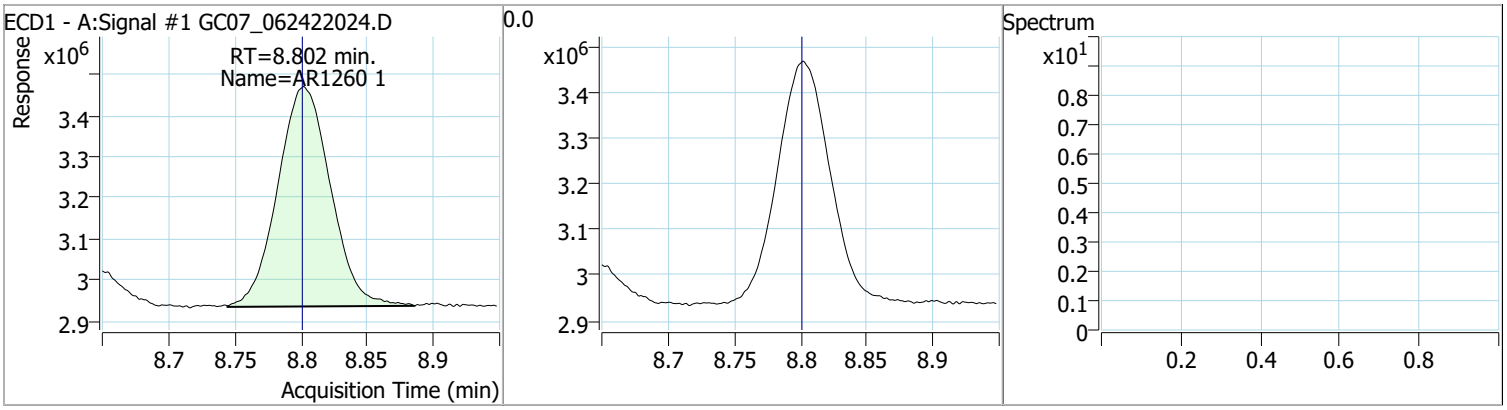
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	99.9900	7.09	0.00	207364				



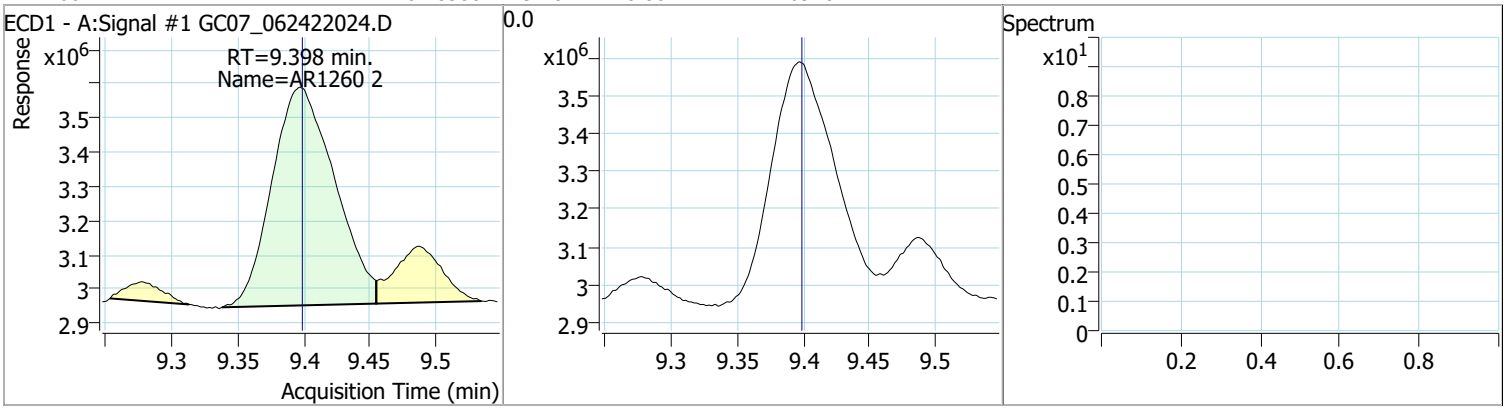
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	100.6866	7.81	0.00	174427				



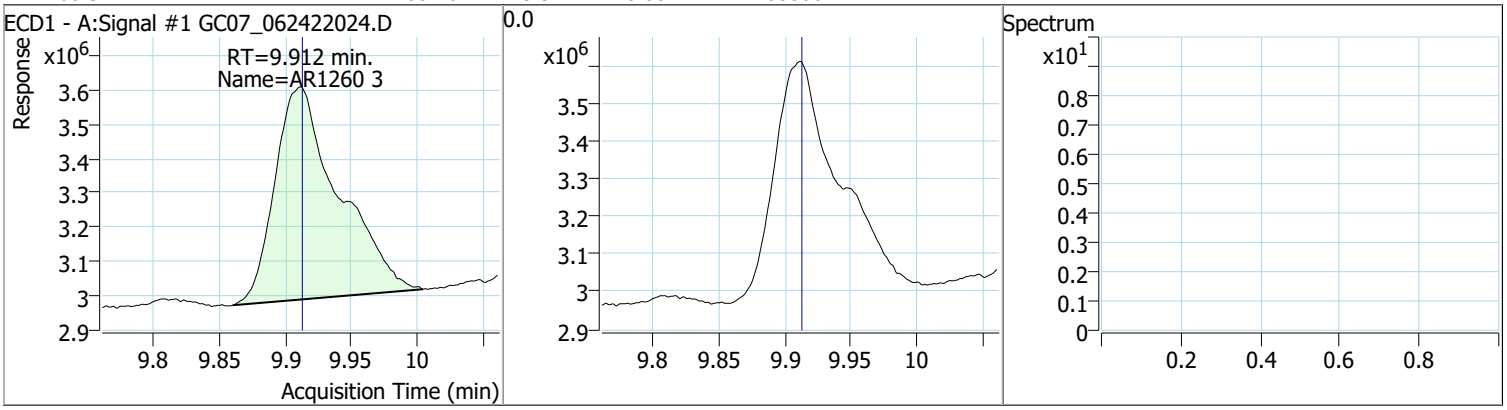
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	108.9338	8.80	0.00	1485444				



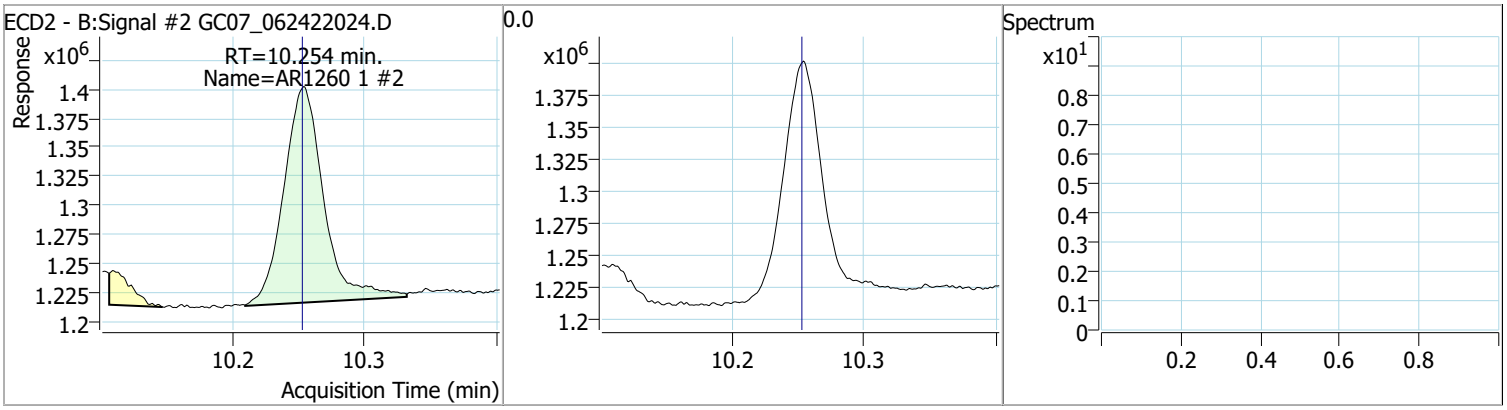
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	107.8380	9.40	0.00	2110918				



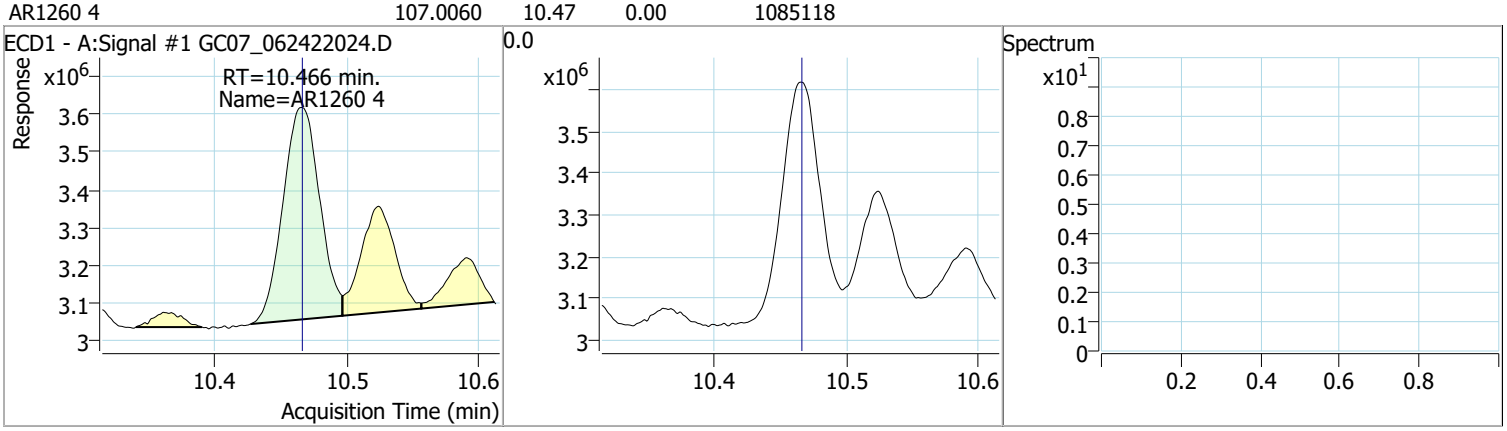
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	105.2624	9.91	0.00	2088067				



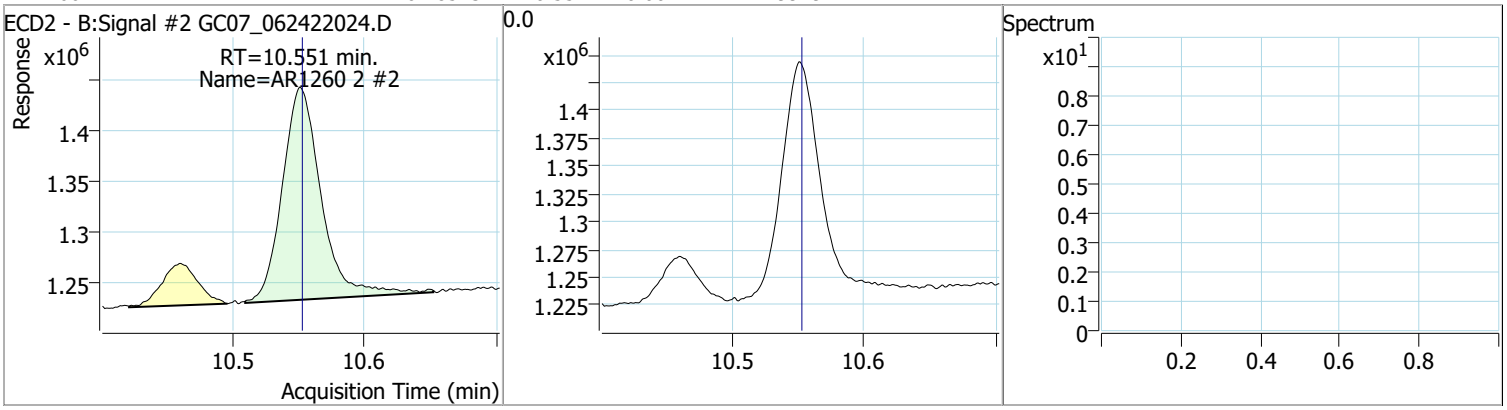
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	102.7941	10.25	0.00	386726				



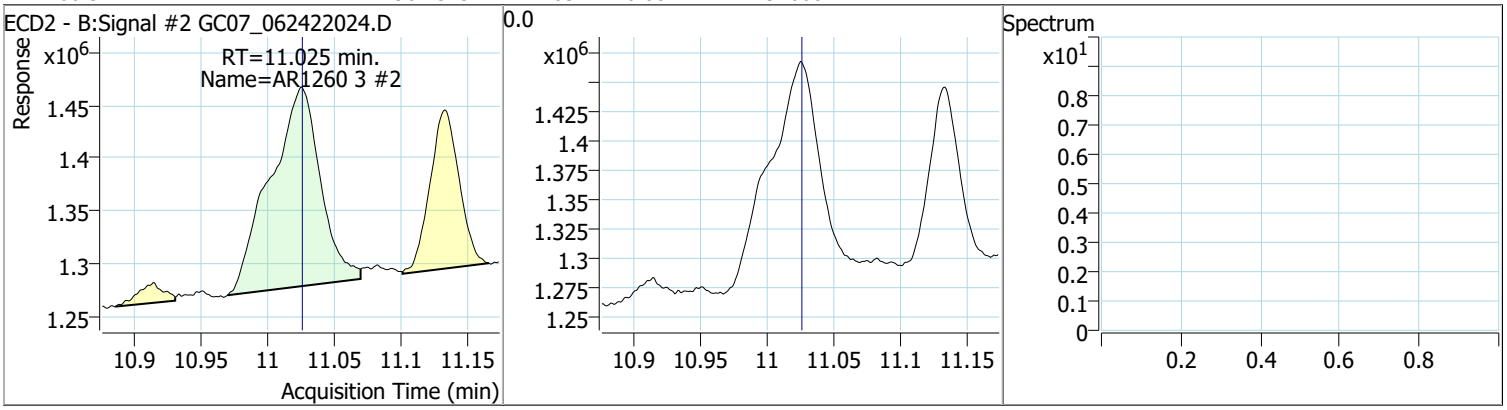
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	107.0060	10.47	0.00	1085118				



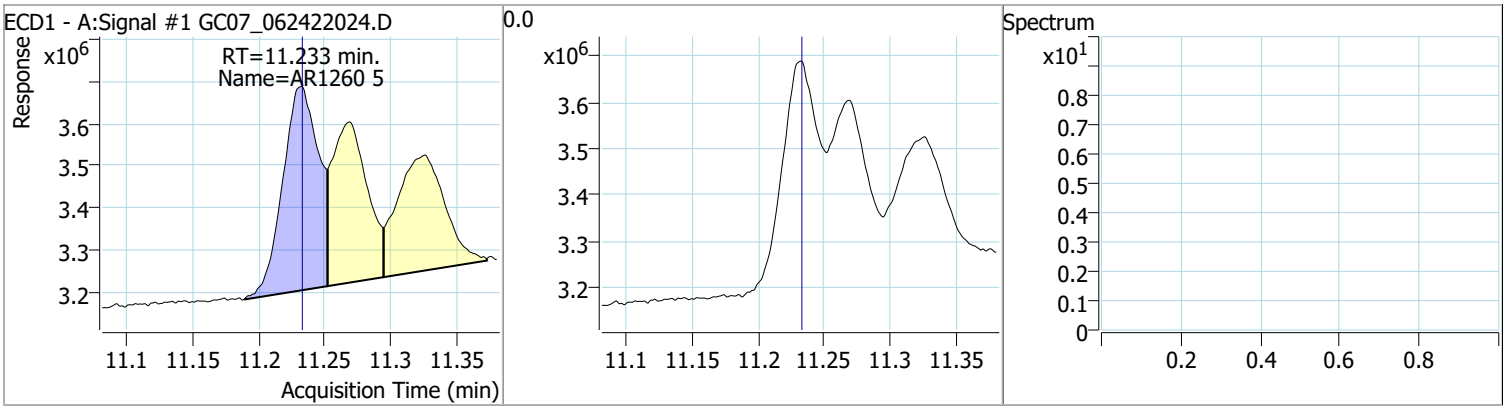
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	102.8573	10.55	0.00	429919				



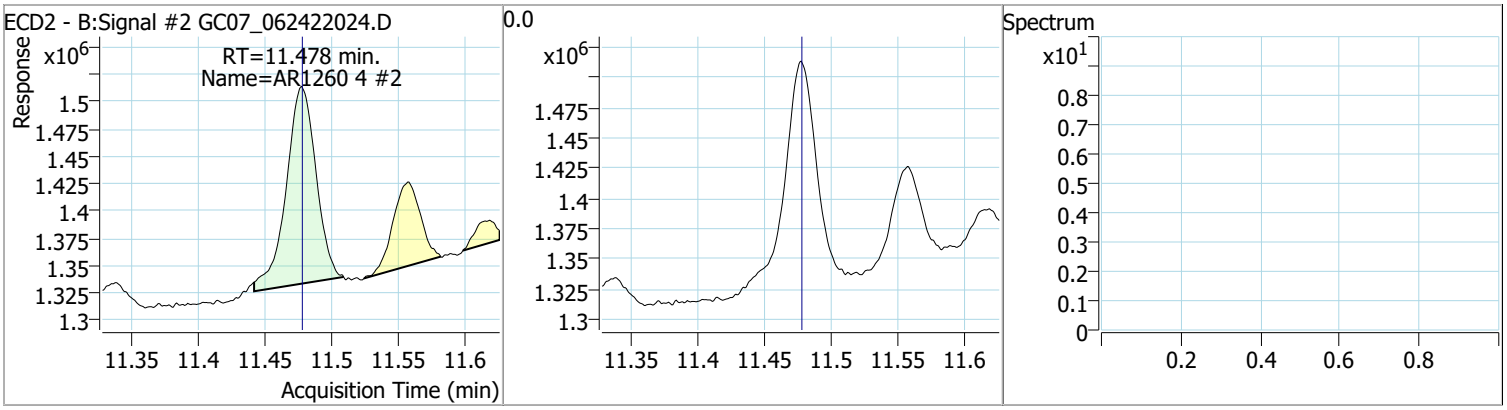
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	96.1515	11.03	0.00	494668				



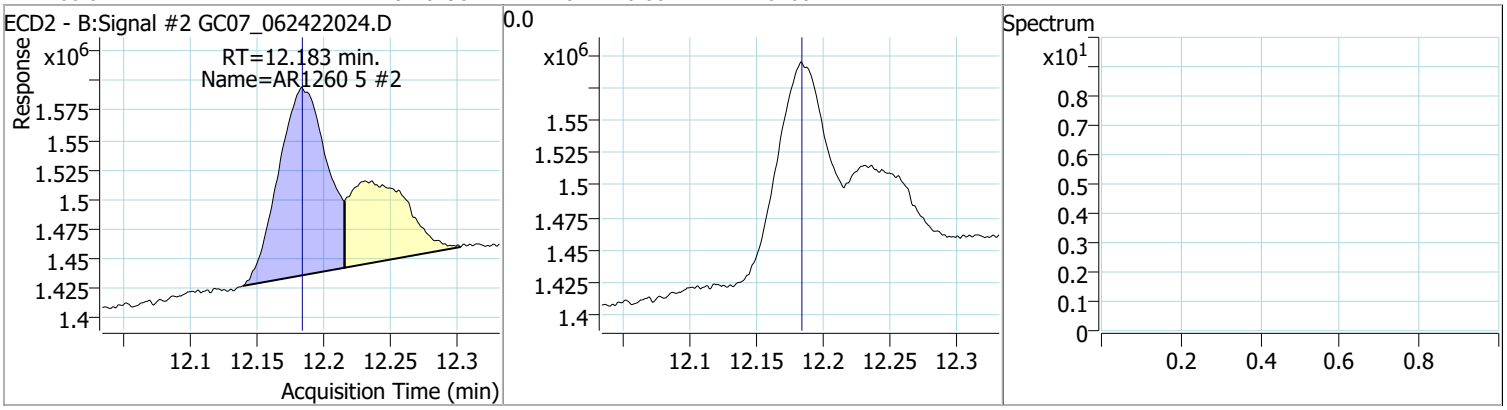
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	98.3710	11.23	0.00	915843				



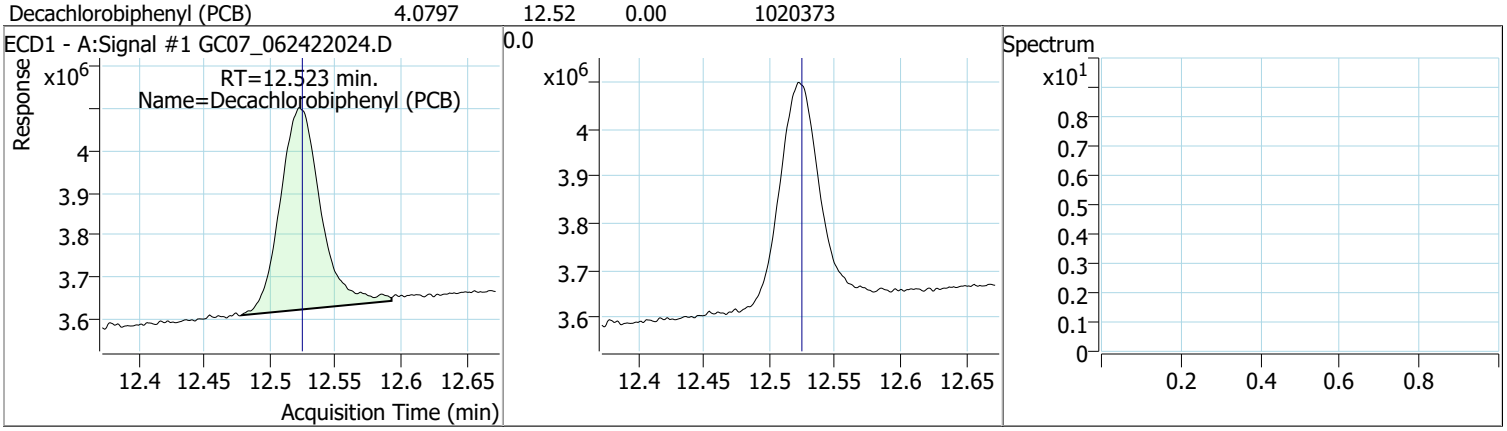
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	97.5818	11.48	0.00	281667				



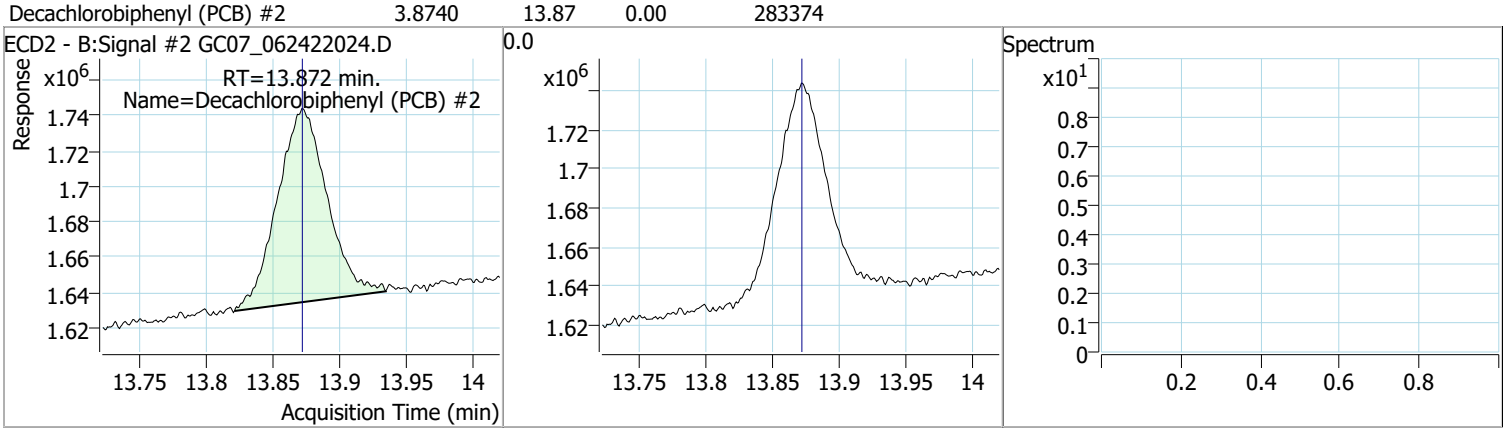
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	97.0795	12.18	0.00	402682				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	4.0797	12.52	0.00	1020373				

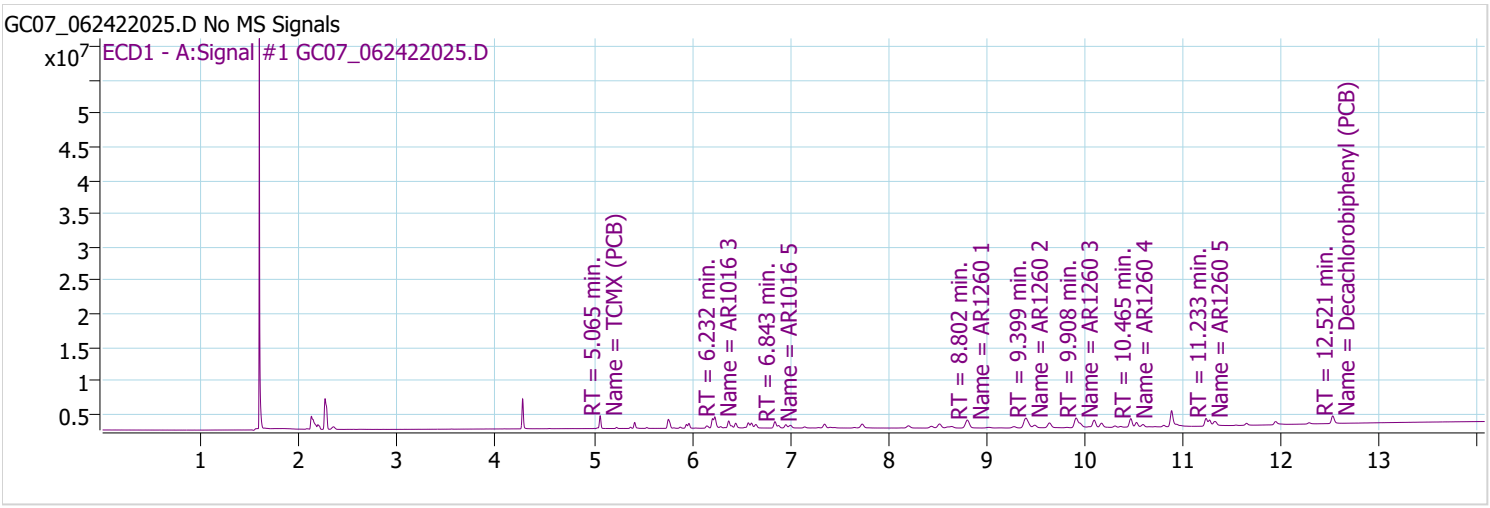


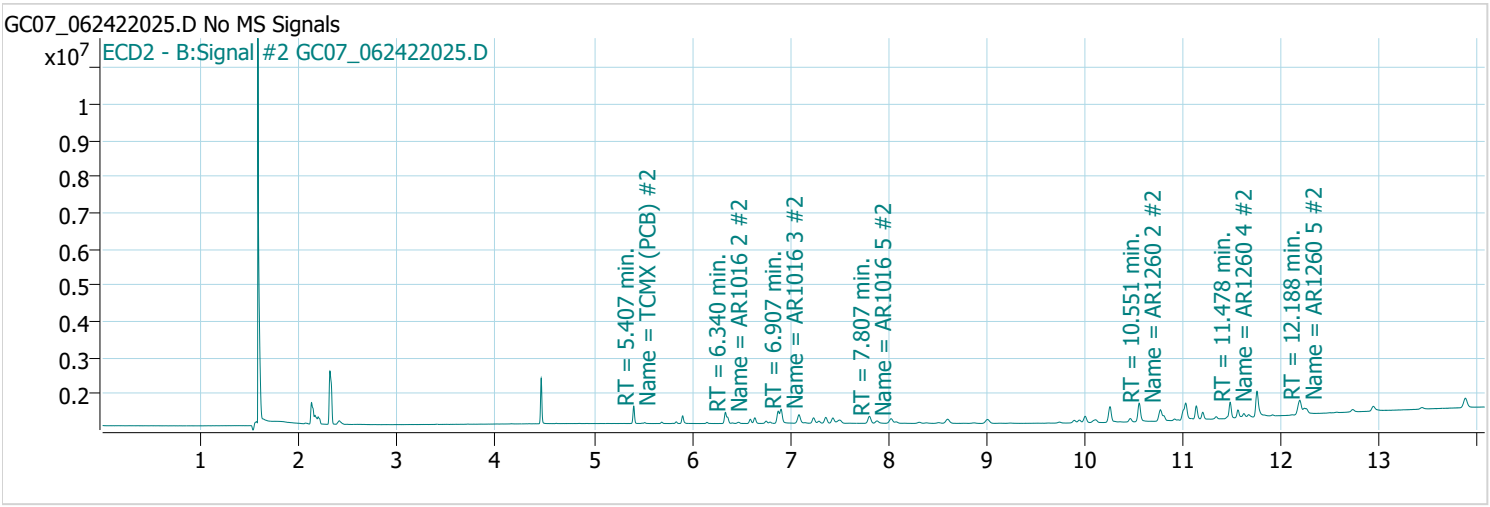
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	3.8740	13.87	0.00	283374				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422025.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 1:32:08 AM
Sample Name	ICAL, S16726, 8	Instrument	SVOA-GC07
Vial	14	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	250 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



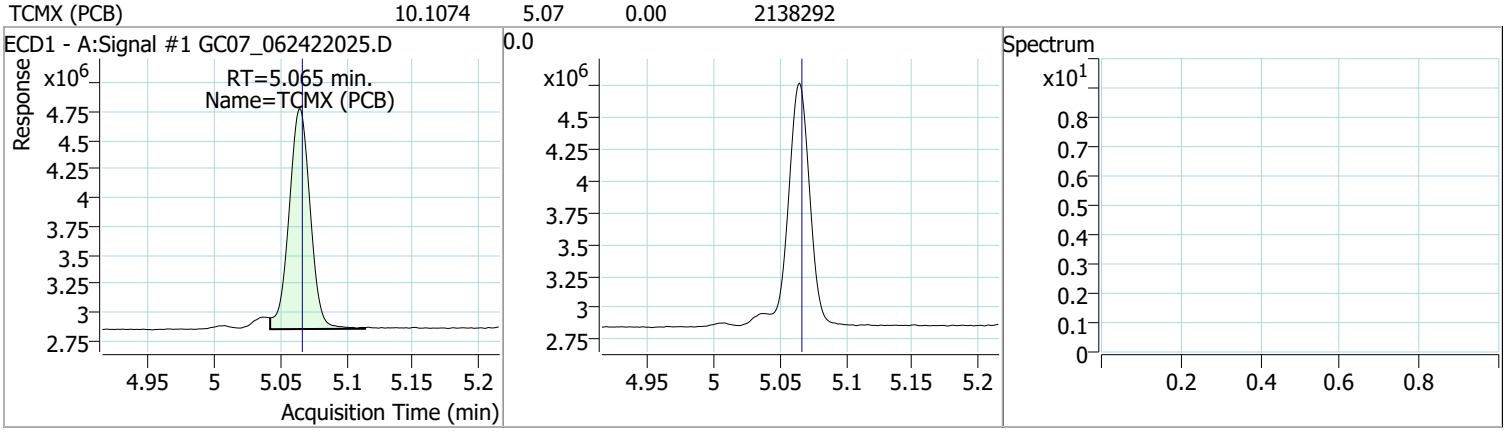


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.277	0.0	4485448.975	20.0000	ng/ml		0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.465	0.0	1179526.258	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.065	0.0	2138291.874	10.1074	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 50.54%			
S TCMX (PCB) #2	5.407	0.0	523555.279	9.7806	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 48.90%		*	
S Decachlorobiphenyl (PCB)	12.521	0.0	2447732.203	9.7689	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 48.84%		*	
S Decachlorobiphenyl (PCB) #2	13.872	0.0	698876.563	9.6222	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 48.11%		*	
Target Compounds							QValue
T AR1016 1	5.416	0.0	1078573.648	250.6460	ng/ml	m	100

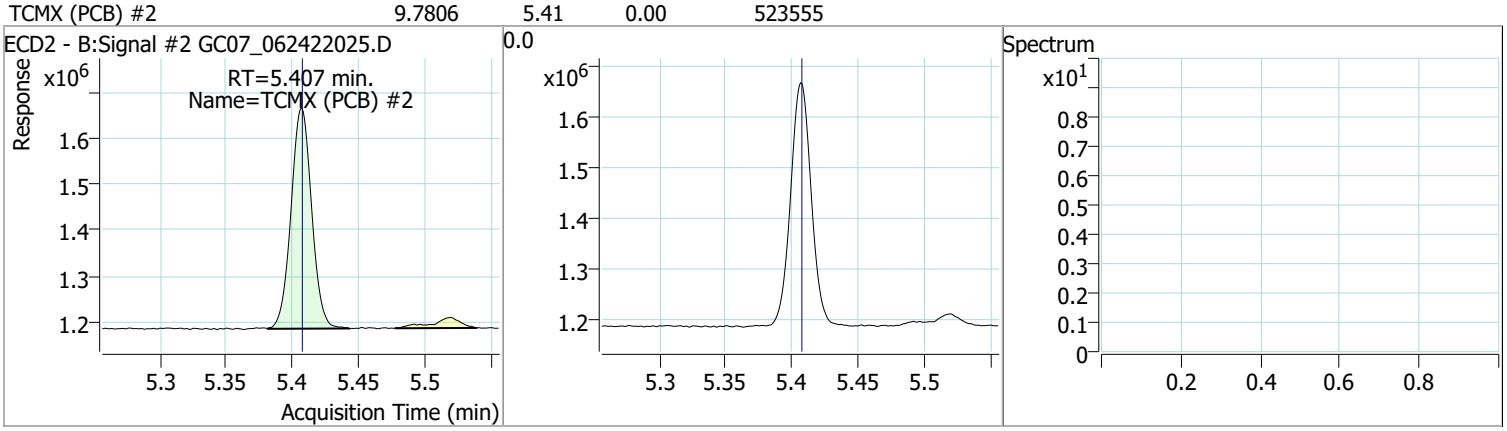
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.760	0.0	2410450.217	258.4552	ng/ml		100
T AR1016 1 #2	5.905	0.0	296542.047	249.6478	ng/ml		100
T AR1016 3	6.232	0.0	2621527.878	242.7381	ng/ml	m	100
T AR1016 2 #2	6.340	0.0	635021.073	245.5073	ng/ml		100
T AR1016 4	6.373	0.0	1952430.462	251.3988	ng/ml	m	100
T AR1016 5	6.843	0.0	1641918.732	253.8119	ng/ml		100
T AR1016 3 #2	6.907	0.0	705048.685	237.6321	ng/ml		100
T AR1016 4 #2	7.088	0.0	492036.073	238.9440	ng/ml		100
T AR1016 5 #2	7.807	0.0	413979.450	240.6654	ng/ml		100
T AR1260 1	8.802	0.0	3436520.896	251.5569	ng/ml		100
T AR1260 2	9.399	0.0	4842298.053	246.9236	ng/ml		100
T AR1260 3	9.908	0.0	4833210.812	243.2066	ng/ml		100
T AR1260 1 #2	10.254	0.0	909894.476	243.5747	ng/ml		100
T AR1260 4	10.465	0.0	2495136.099	245.6043	ng/ml		100
T AR1260 2 #2	10.551	0.0	1029646.159	248.0916	ng/ml		100
T AR1260 3 #2	11.025	0.0	1246365.279	243.9850	ng/ml		100
T AR1260 5	11.233	0.0	2109055.304	226.1231	ng/ml		100
T AR1260 4 #2	11.478	0.0	689677.964	240.6325	ng/ml		100
T AR1260 5 #2	12.188	0.0	976159.900	237.0076	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

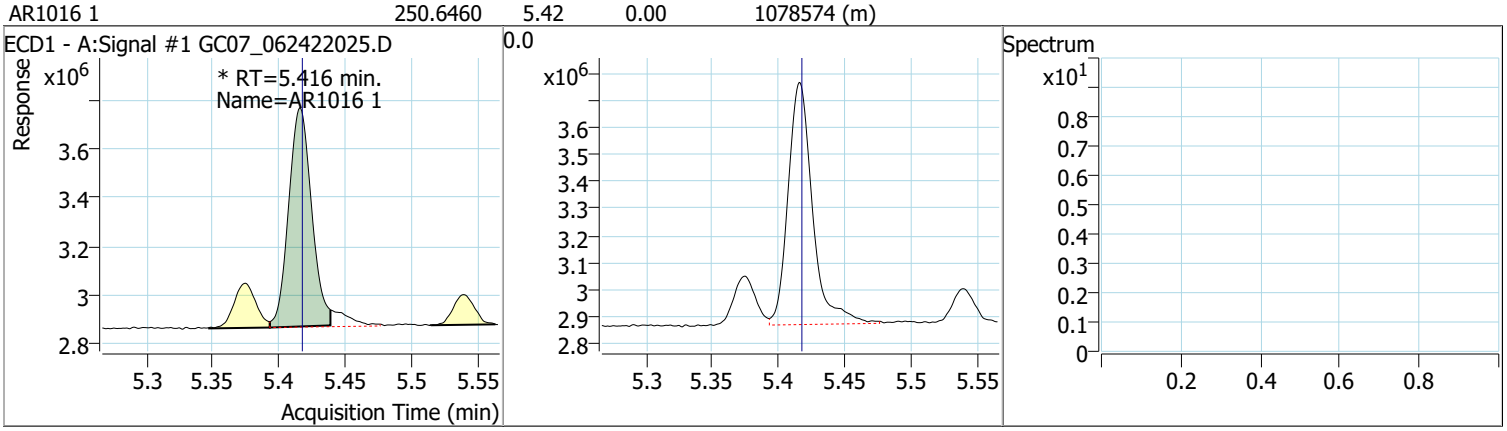
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	10.1074	5.07	0.00	2138292				



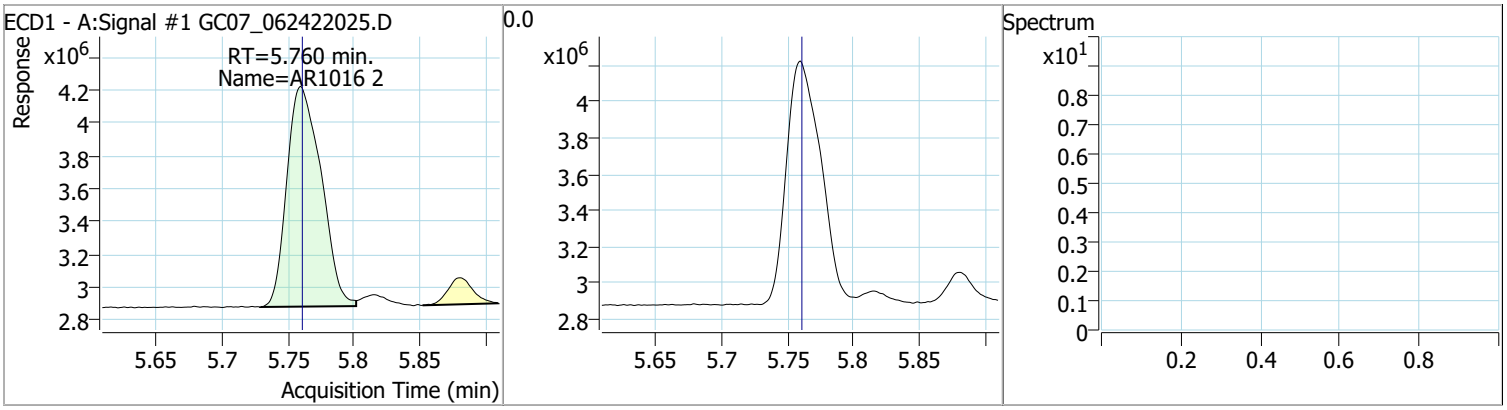
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	9.7806	5.41	0.00	523555				



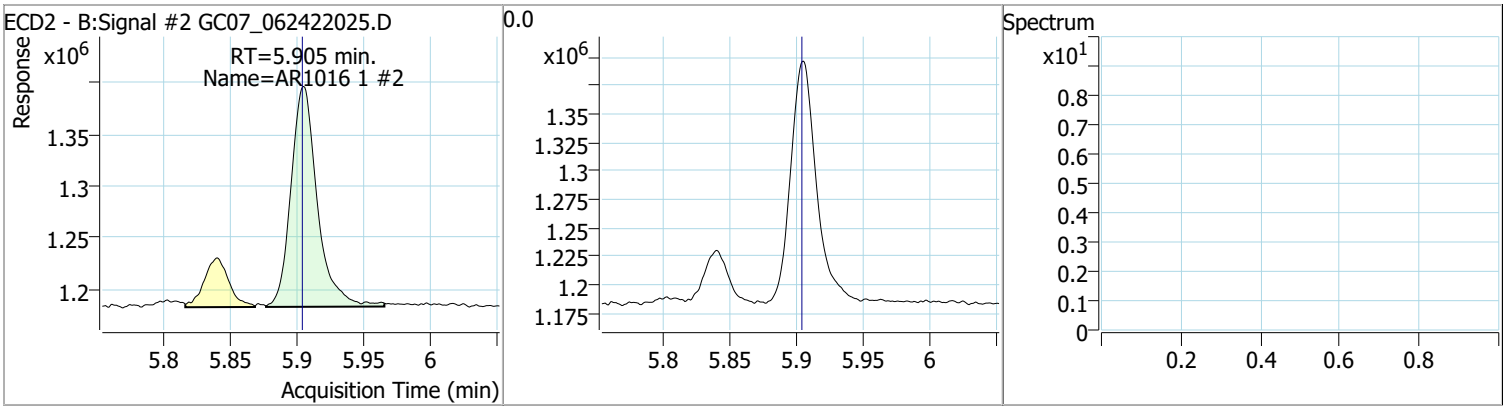
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	250.6460	5.42	0.00	1078574 (m)				



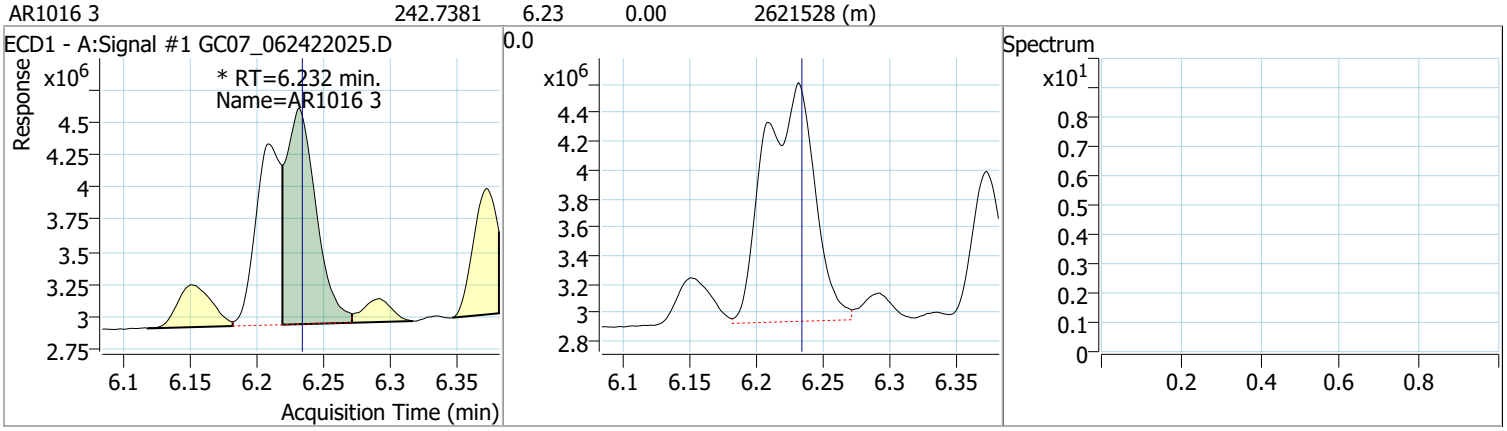
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	258.4552	5.76	0.00	2410450				



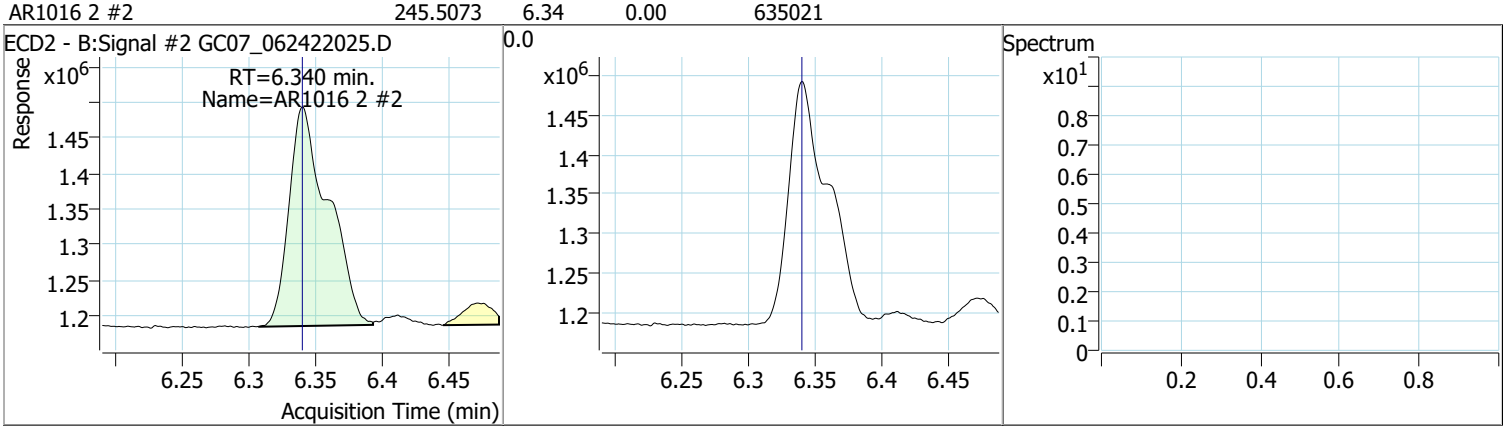
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	249.6478	5.91	0.00	296542				



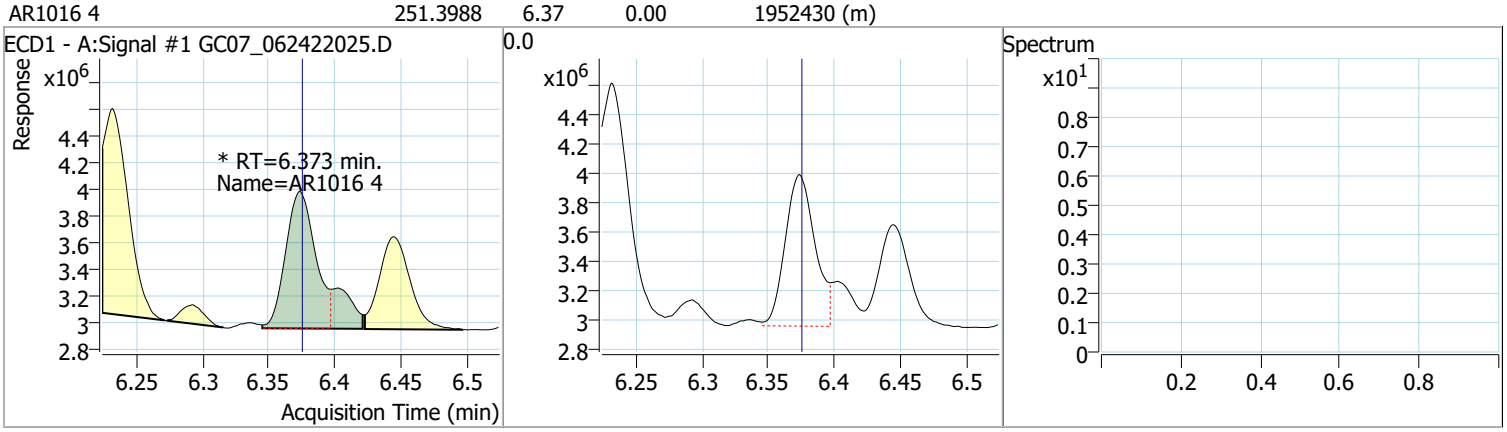
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	242.7381	6.23	0.00	2621528 (m)				



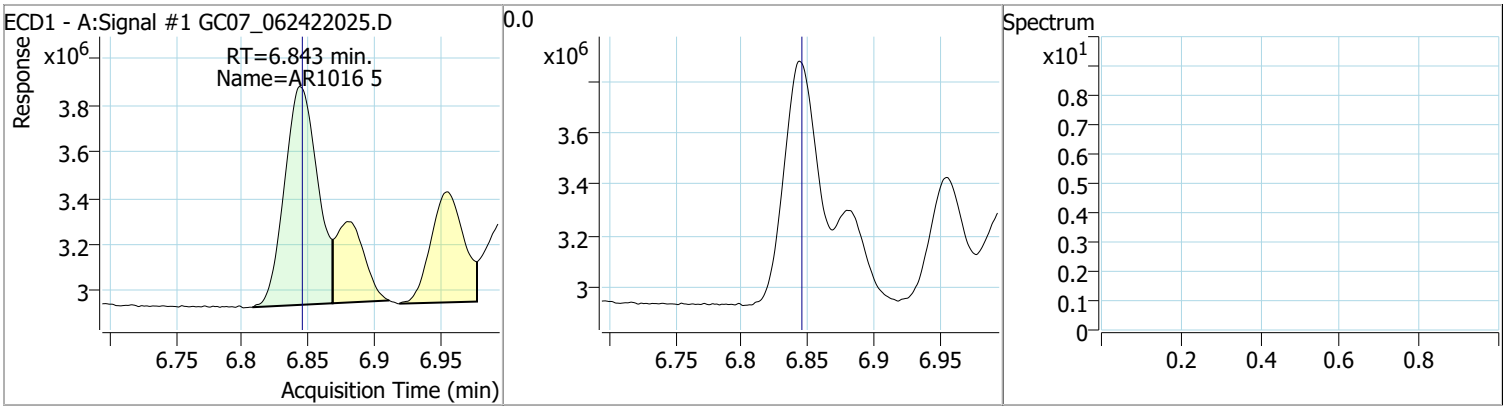
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	245.5073	6.34	0.00	635021				



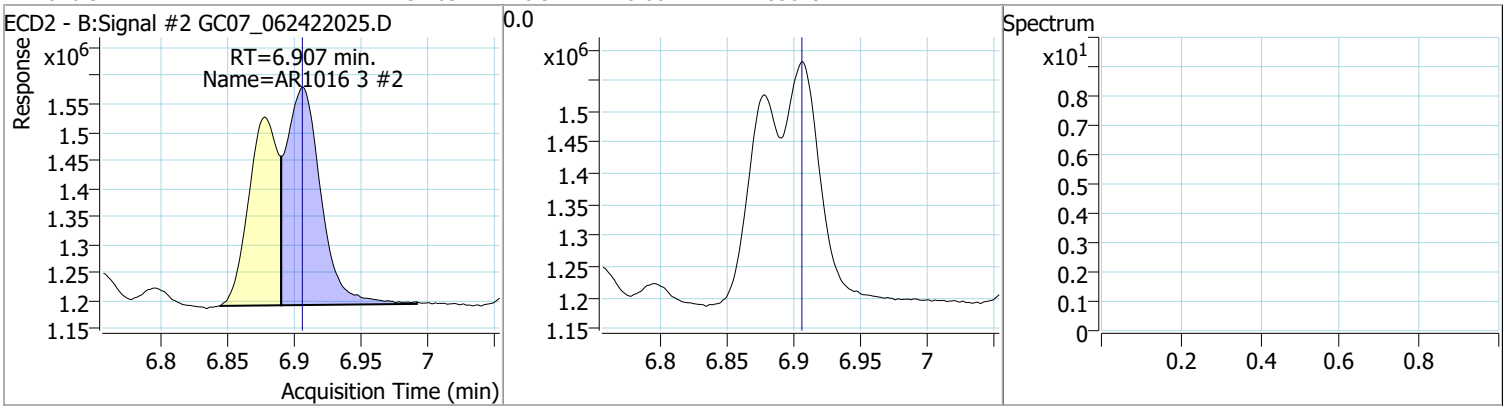
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	251.3988	6.37	0.00	1952430 (m)				



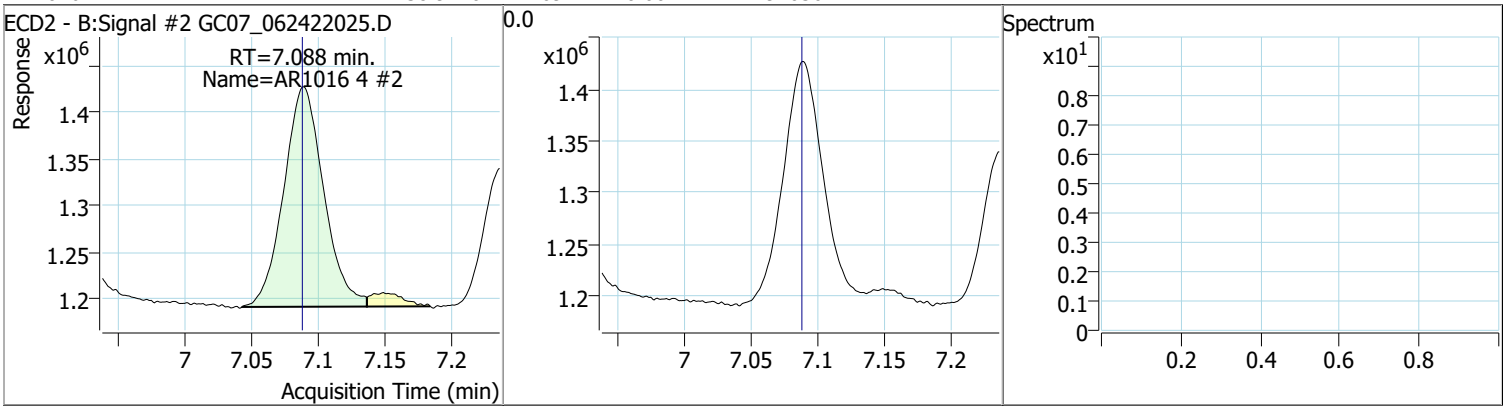
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	253.8119	6.84	0.00	1641919				



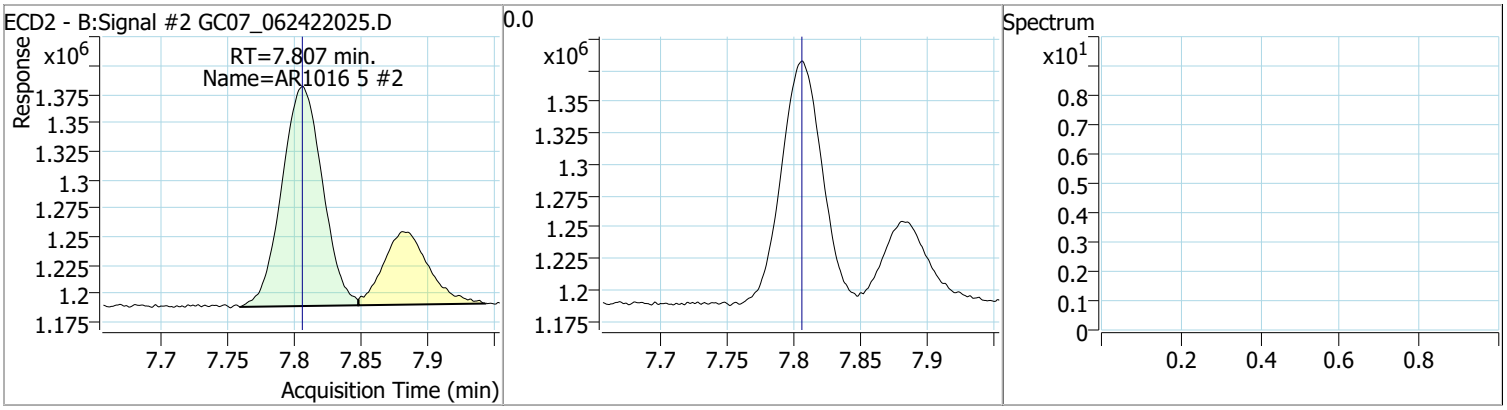
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	237.6321	6.91	0.00	705049				



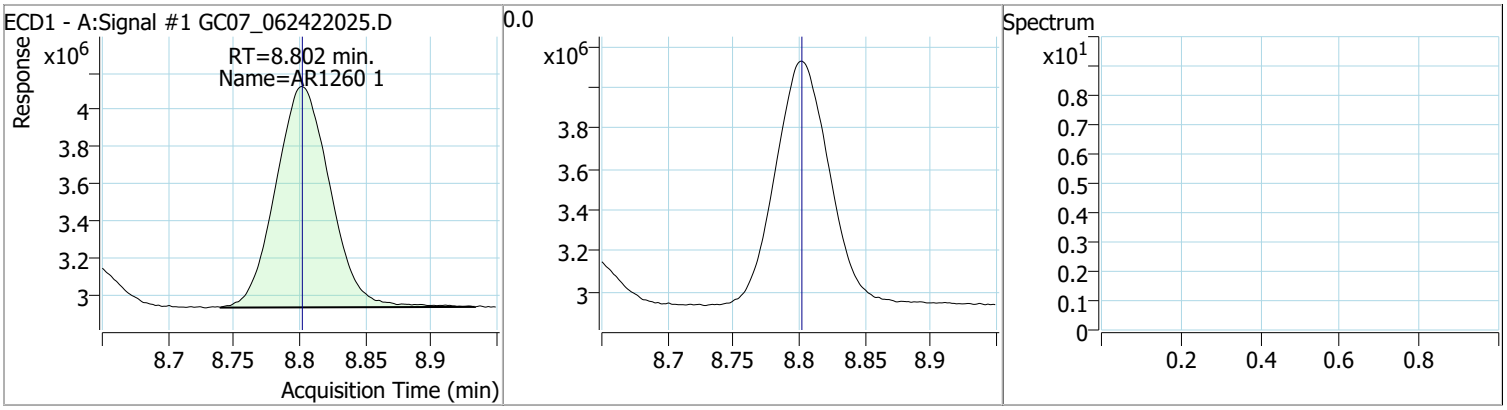
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	238.9440	7.09	0.00	492036				



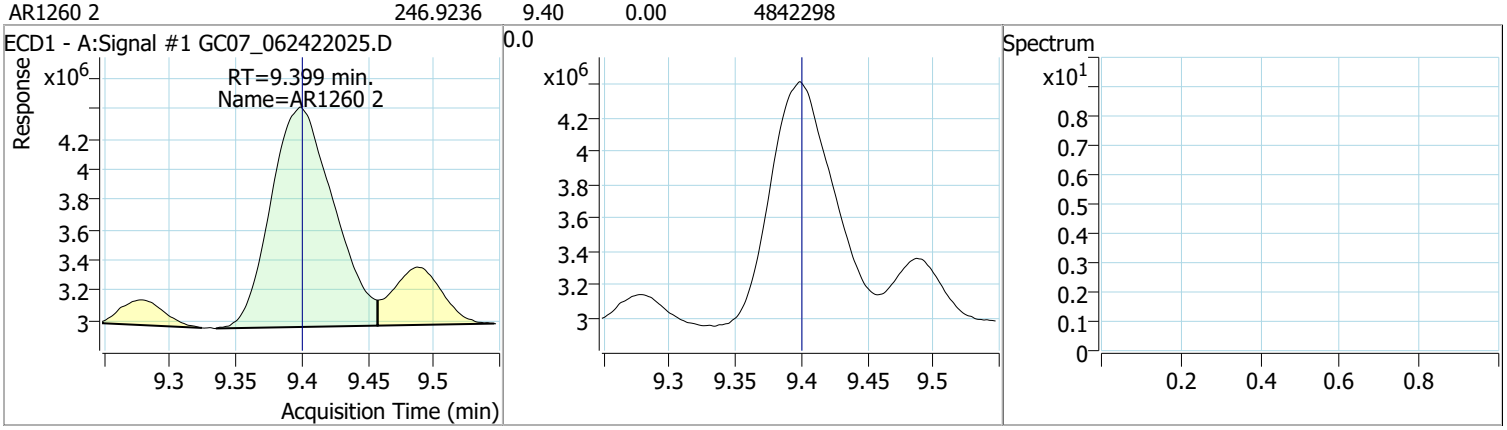
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	240.6654	7.81	0.00	413979				



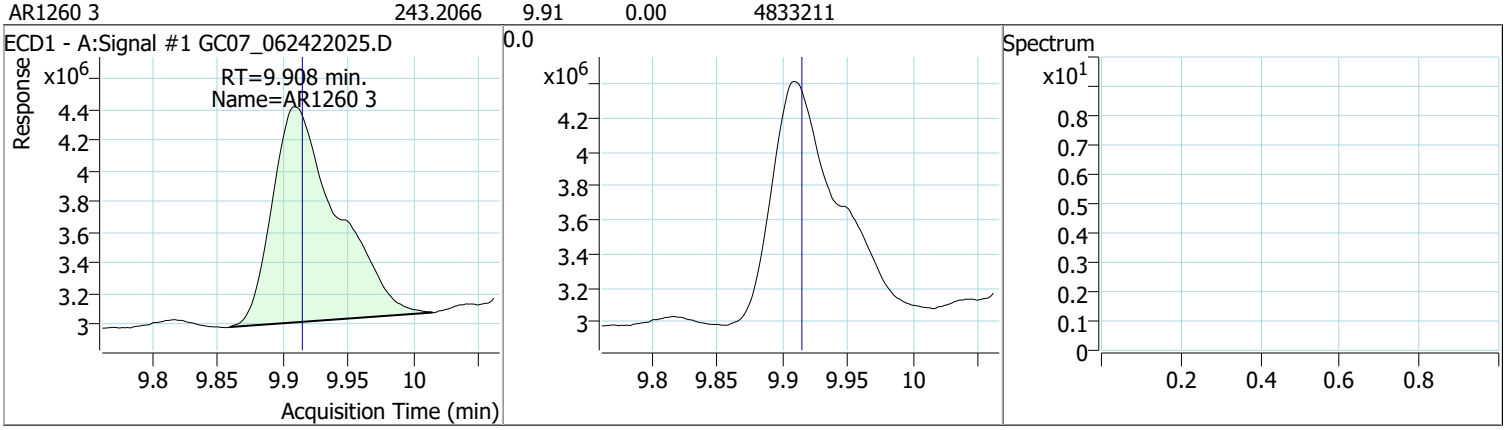
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	251.5569	8.80	0.00	3436521				



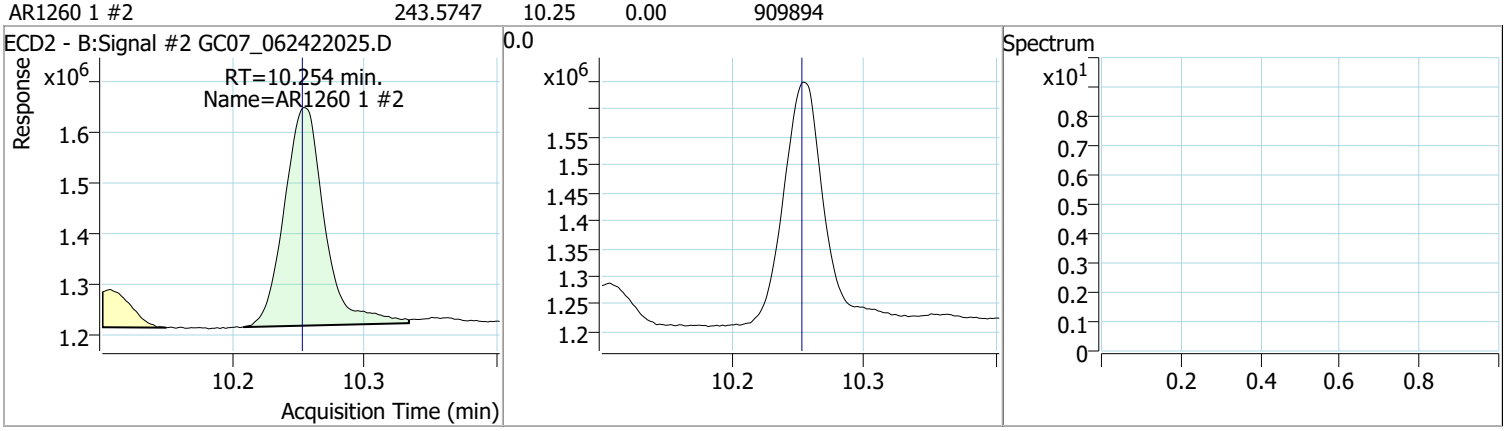
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	246.9236	9.40	0.00	4842298				



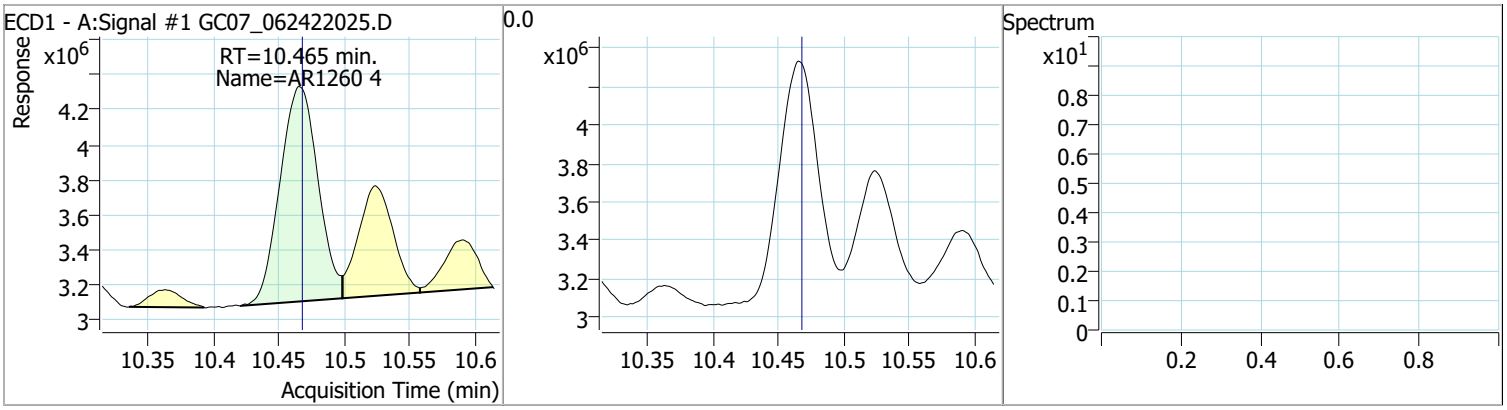
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	243.2066	9.91	0.00	4833211				



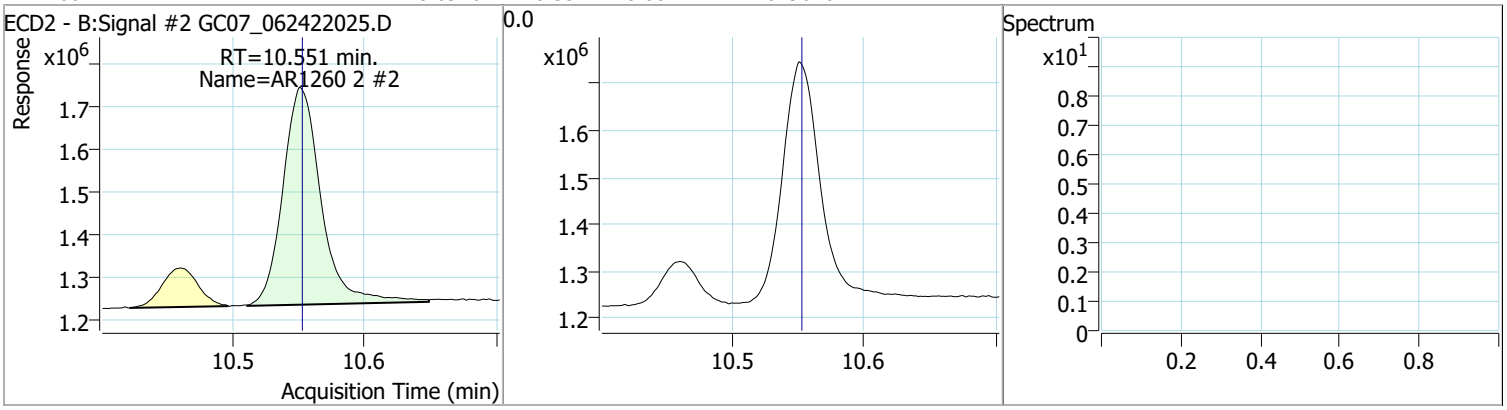
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	243.5747	10.25	0.00	909894				



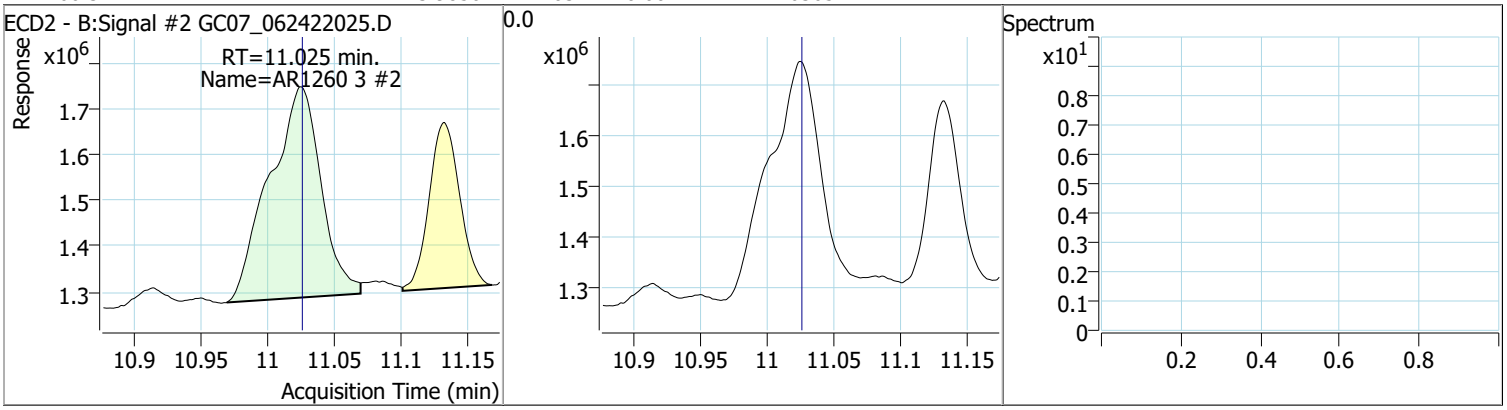
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	245.6043	10.47	0.00	2495136				



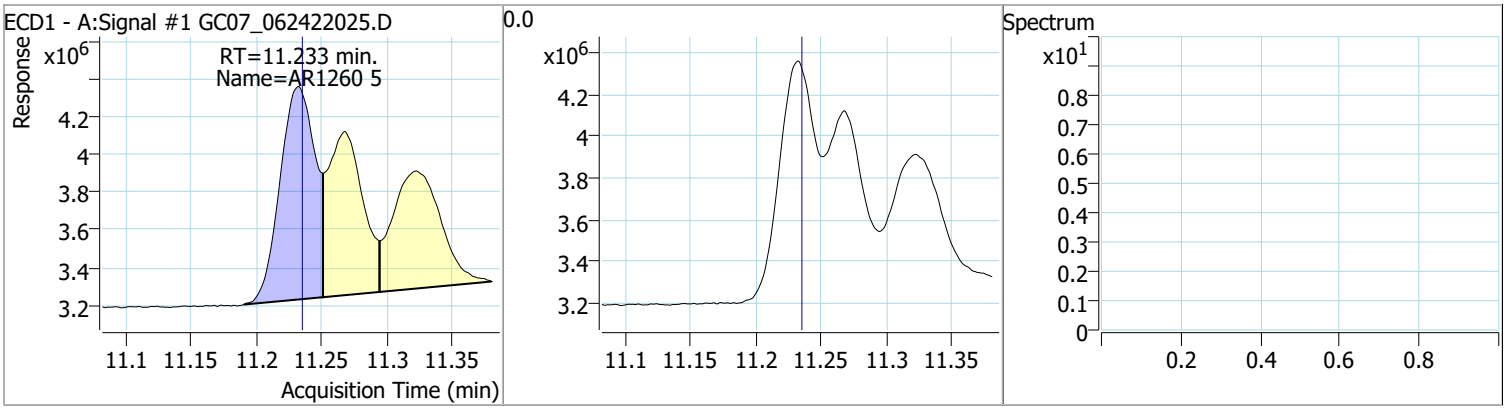
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	248.0916	10.55	0.00	1029646				



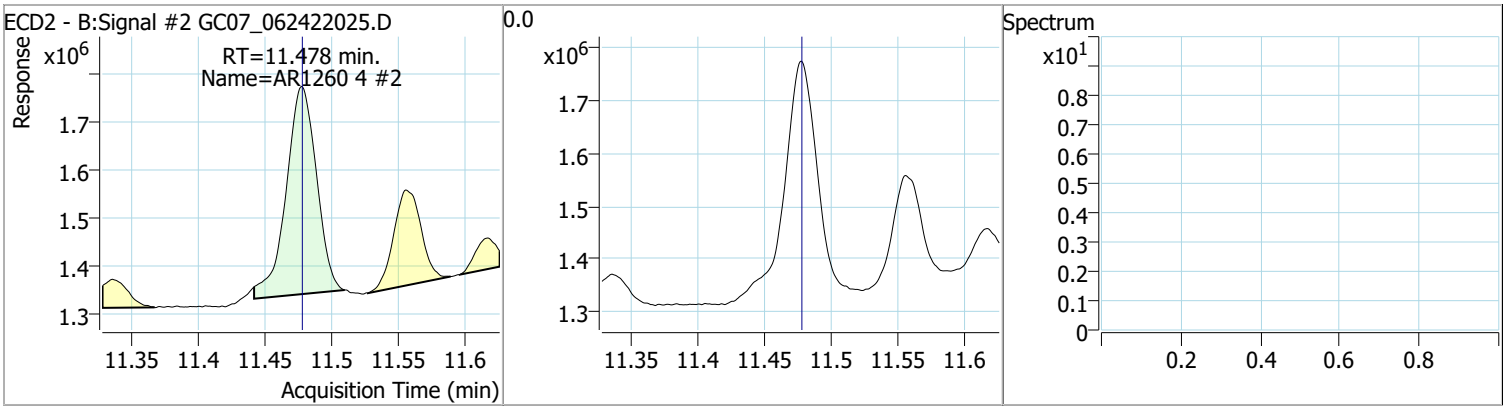
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	243.9850	11.03	0.00	1246365				



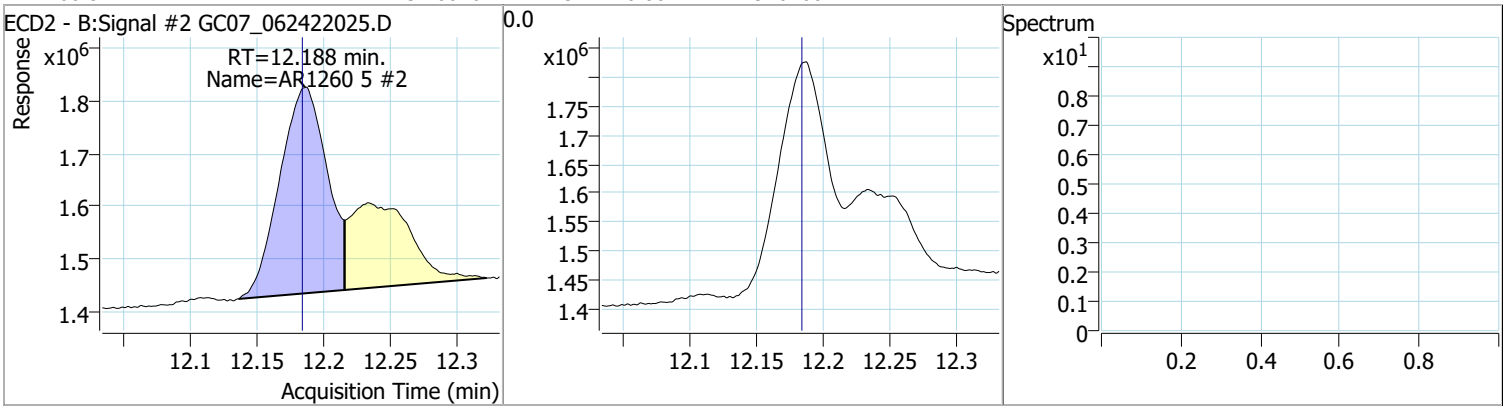
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	226.1231	11.23	0.00	2109055				



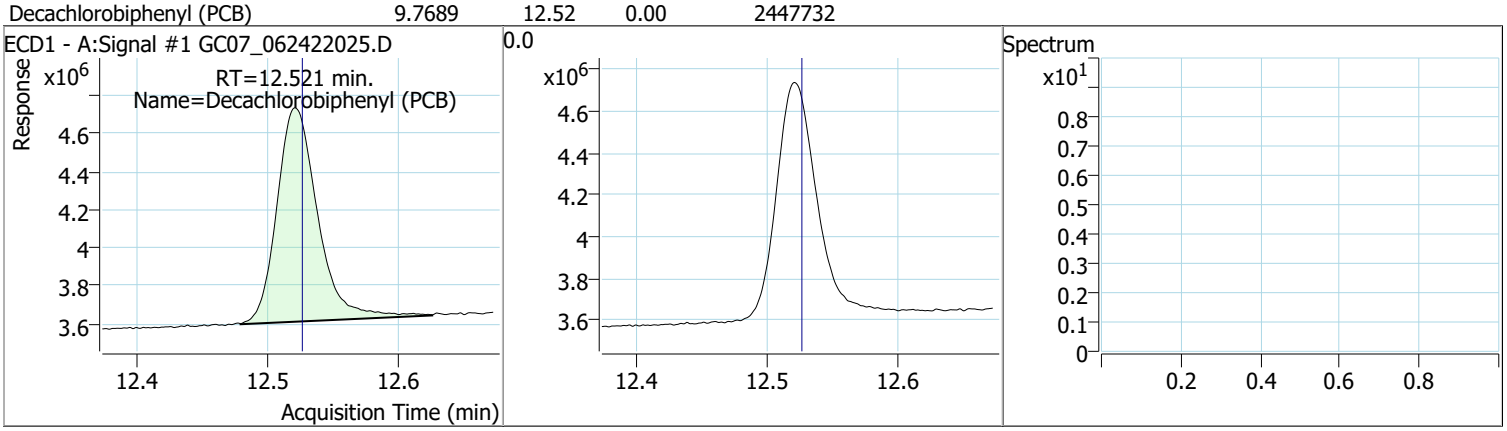
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	240.6325	11.48	0.00	689678				



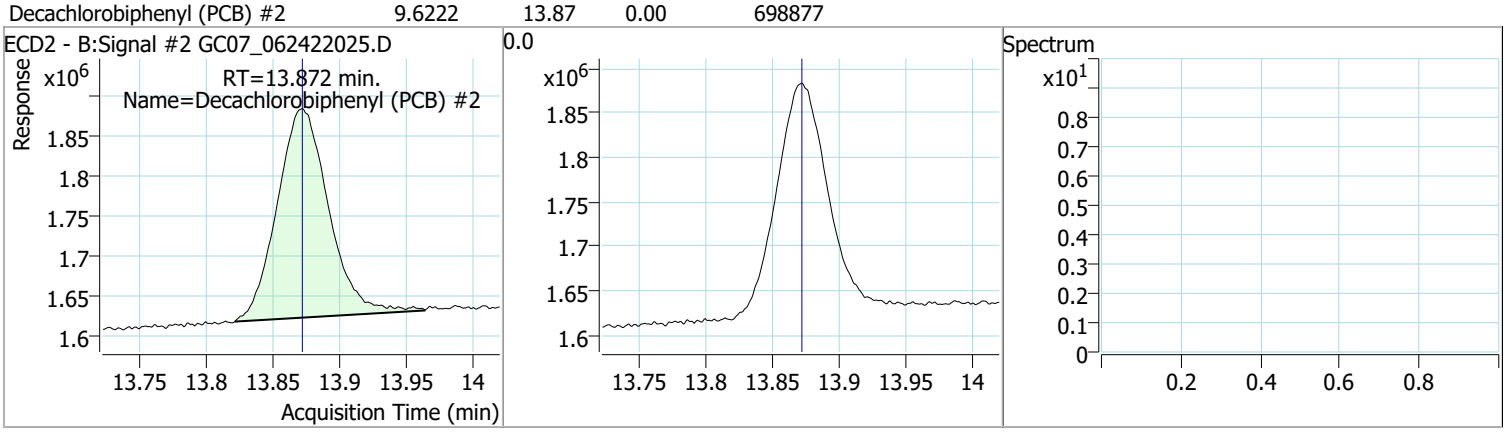
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	237.0076	12.19	0.00	976160				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	9.7689	12.52	0.00	2447732				

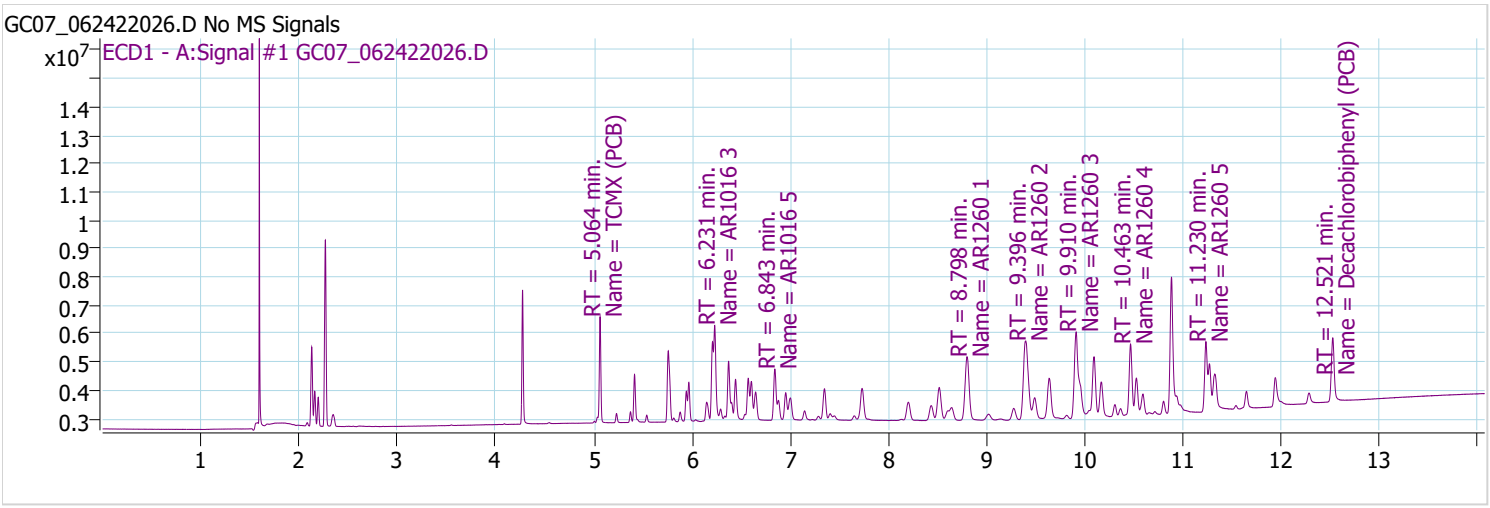


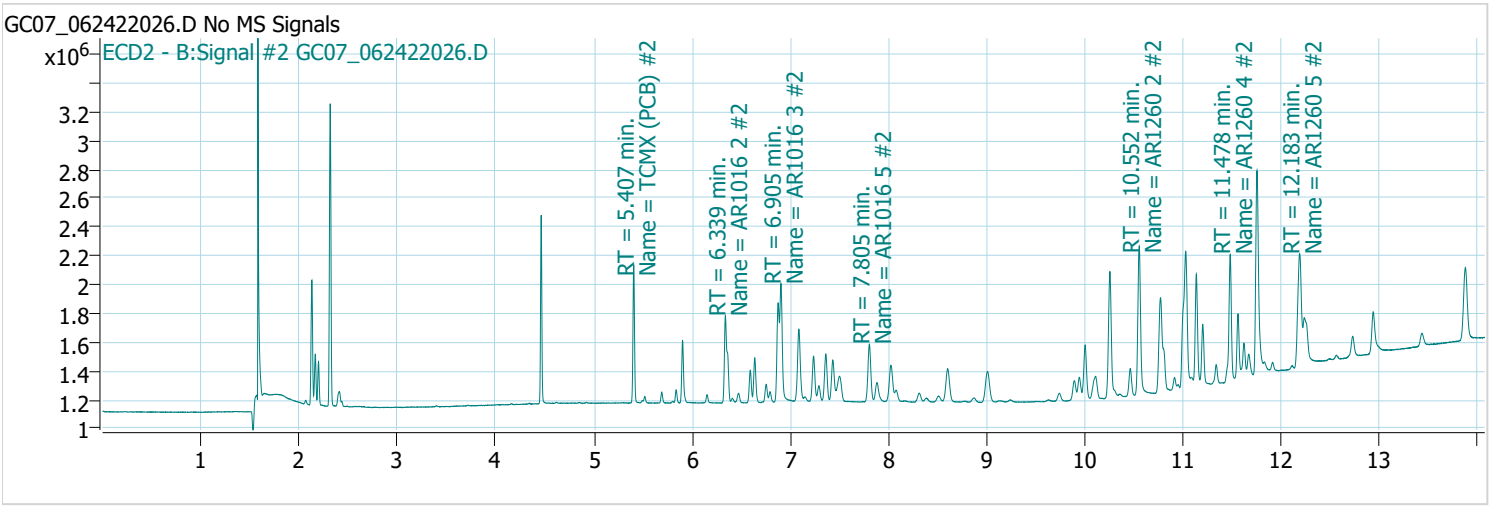
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	9.6222	13.87	0.00	698877				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422026.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 1:49:37 AM
Sample Name	ICAL, S16726, 4	Instrument	SVOA-GC07
Vial	15	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



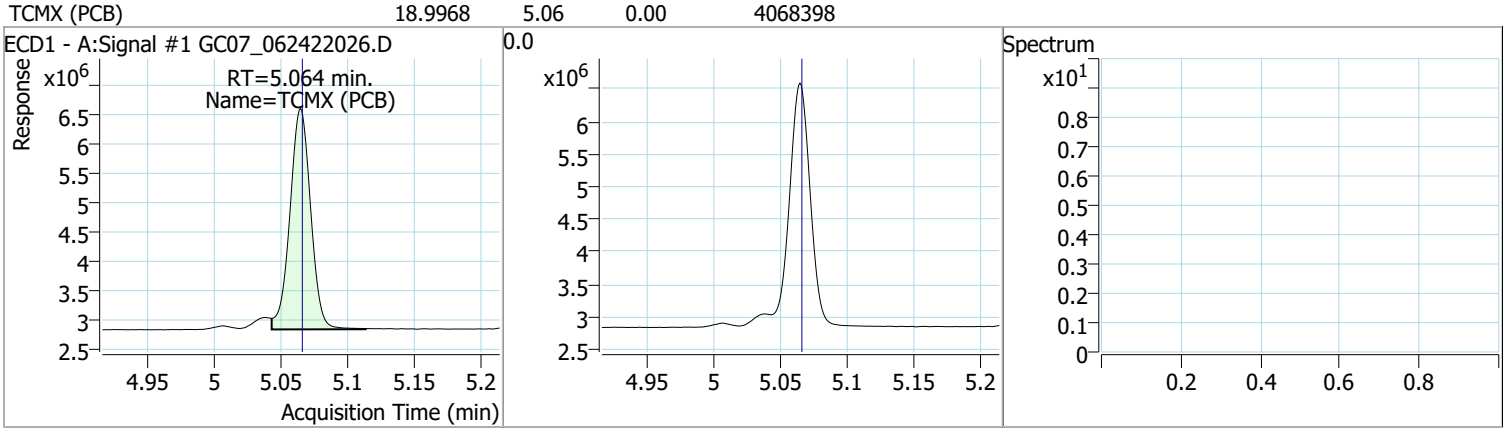


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.275	0.0	4540693.300	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.465	0.0	1187184.970	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.064	0.0	4068398.326	18.9968	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 94.98%		
S TCMX (PCB) #2	5.407	0.0	1061657.676	19.7050	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 98.52%		
S Decachlorobiphenyl (PCB)	12.521	0.0	4750520.056	18.7287	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 93.64%		
S Decachlorobiphenyl (PCB) #2	13.871	0.0	1358406.947	18.5821	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 92.91%		
Target Compounds						QValue

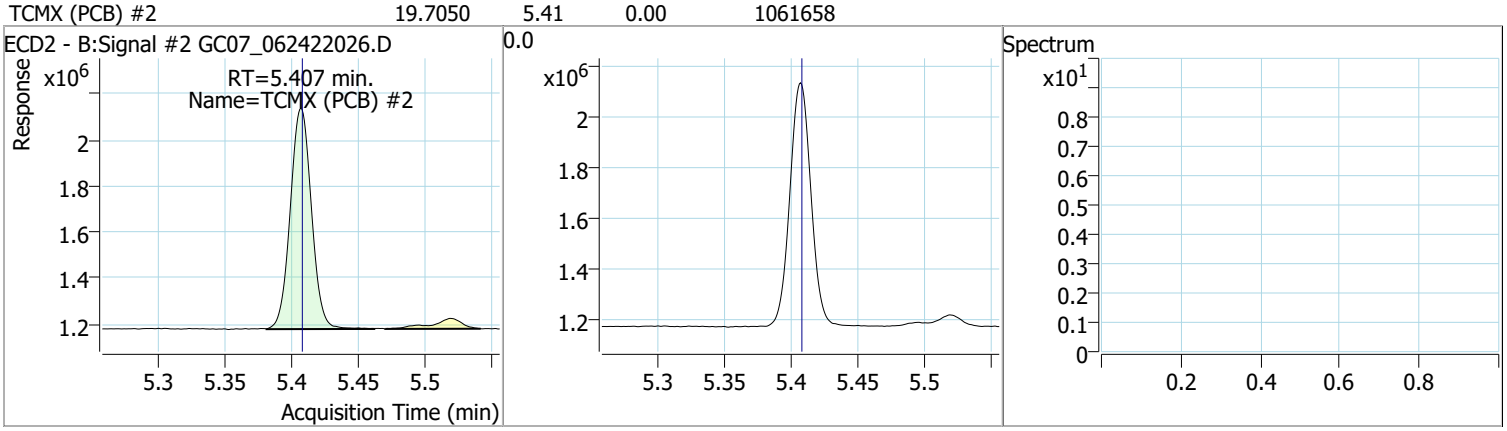
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.415	0.0	2181077.730	500.6865	ng/ml	m	100
T AR1016 2	5.758	0.0	4479111.074	474.4196	ng/ml		100
T AR1016 1 #2	5.903	0.0	577162.498	482.7572	ng/ml		100
T AR1016 3	6.231	0.0	5152757.064	471.3103	ng/ml		100
T AR1016 2 #2	6.339	0.0	1274235.221	489.4577	ng/ml		100
T AR1016 4	6.372	0.0	3772165.796	479.8021	ng/ml	m	100
T AR1016 5	6.843	0.0	3140346.738	479.5366	ng/ml		100
T AR1016 3 #2	6.905	0.0	1433477.993	480.0277	ng/ml		100
T AR1016 4 #2	7.088	0.0	997642.137	481.3524	ng/ml		100
T AR1016 5 #2	7.805	0.0	831109.616	480.0454	ng/ml		100
T AR1260 1	8.798	0.0	6580851.112	475.8643	ng/ml		100
T AR1260 2	9.396	0.0	9518154.550	479.4548	ng/ml		100
T AR1260 3	9.910	0.0	9630305.007	478.7001	ng/ml		100
T AR1260 1 #2	10.253	0.0	1836314.904	488.4021	ng/ml		100
T AR1260 4	10.463	0.0	4888050.985	475.2929	ng/ml		100
T AR1260 2 #2	10.552	0.0	2042124.120	488.8724	ng/ml		100
T AR1260 3 #2	11.025	0.0	2599120.827	505.5144	ng/ml		100
T AR1260 5	11.230	0.0	4589366.652	486.0640	ng/ml		100
T AR1260 4 #2	11.478	0.0	1366676.357	473.7649	ng/ml		100
T AR1260 5 #2	12.183	0.0	2021544.801	487.6564	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

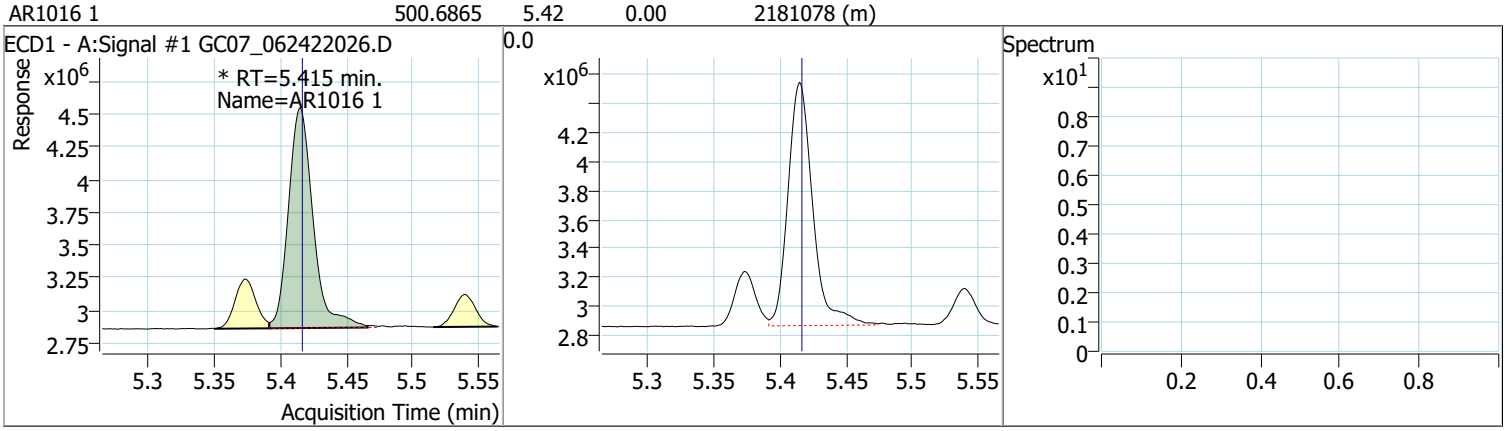
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	18.9968	5.06	0.00	4068398				



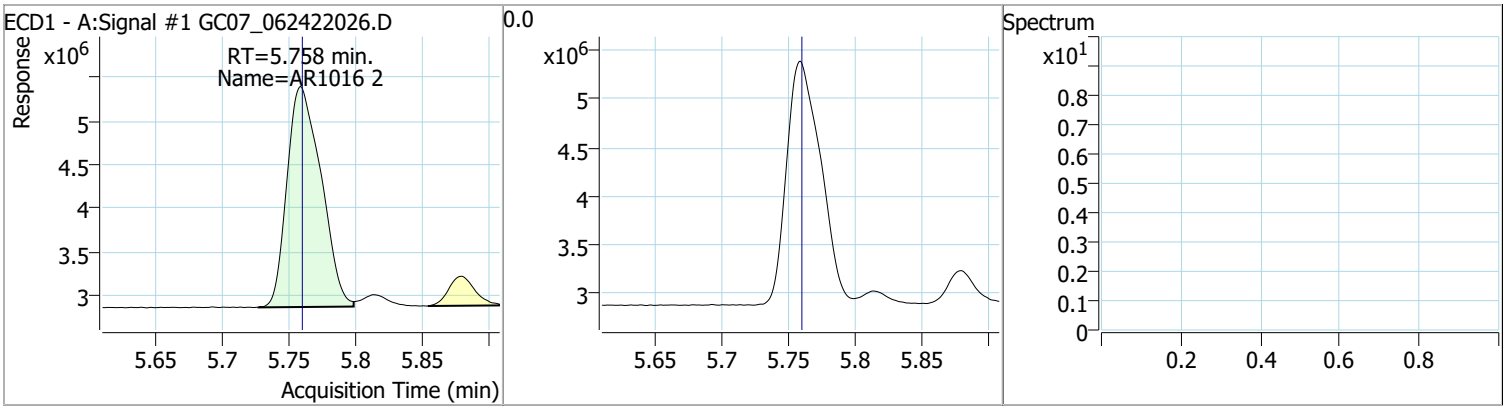
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	19.7050	5.41	0.00	1061658				



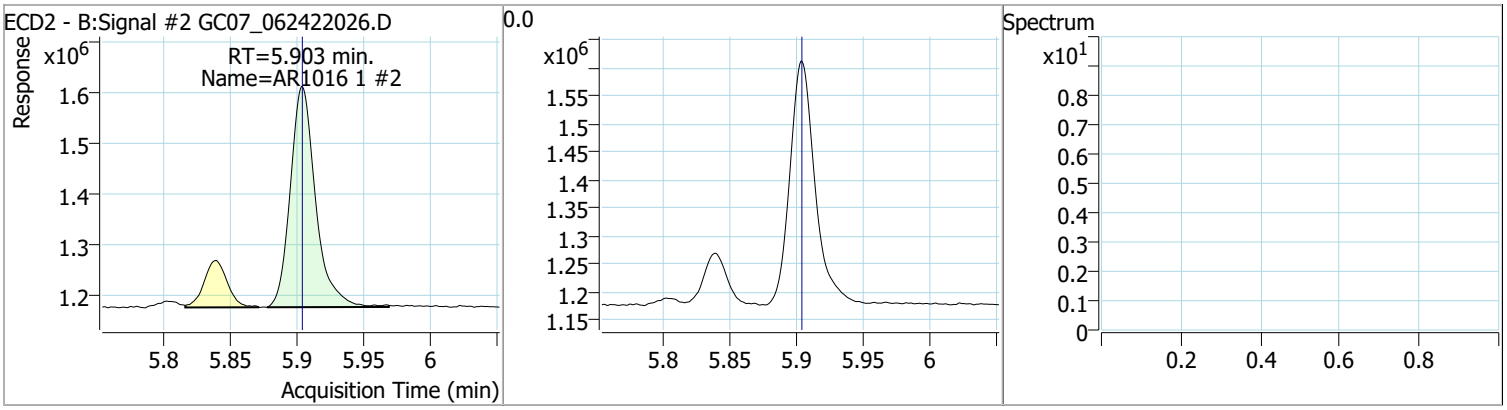
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	500.6865	5.42	0.00	2181078 (m)				



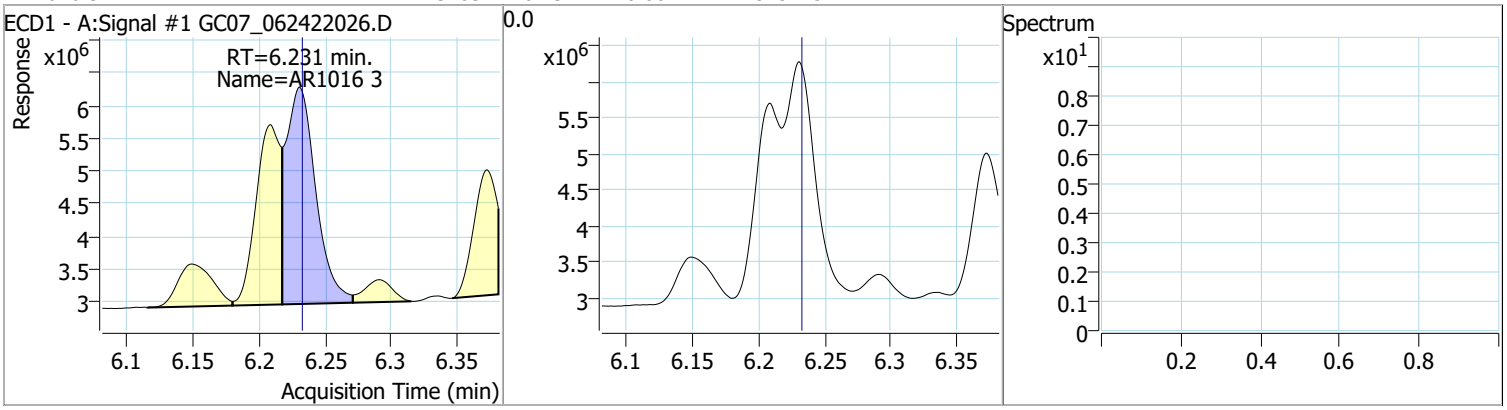
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	474.4196	5.76	0.00	4479111				



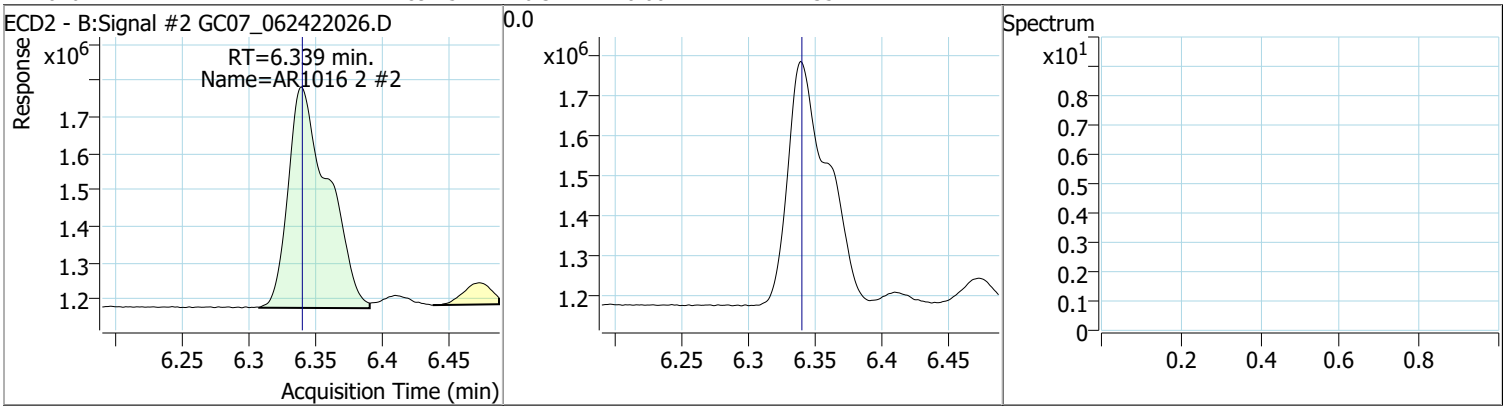
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	482.7572	5.90	0.00	577162				



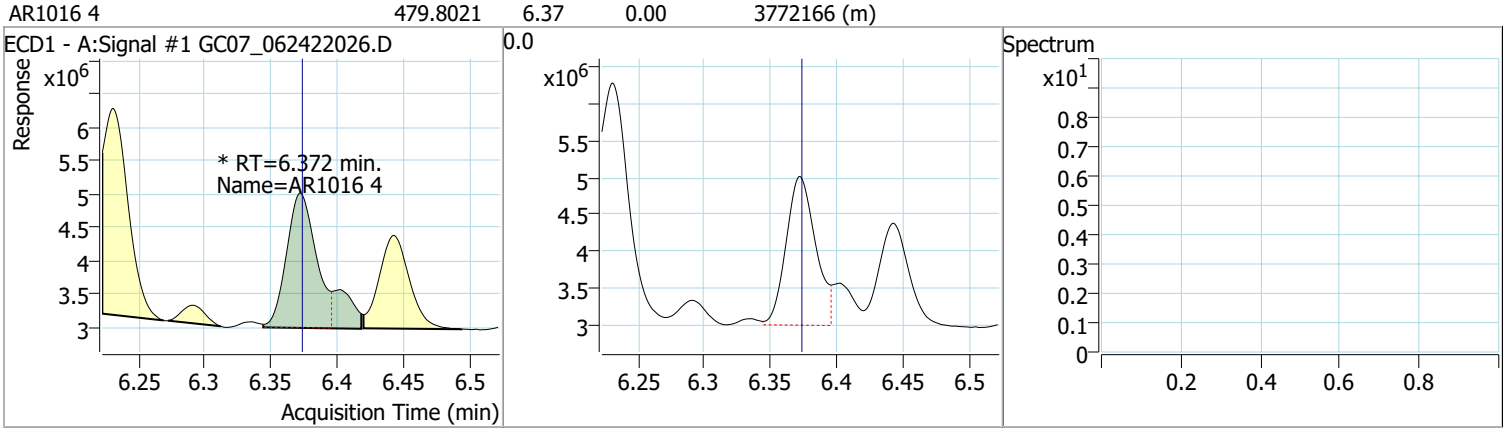
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	471.3103	6.23	0.00	5152757				



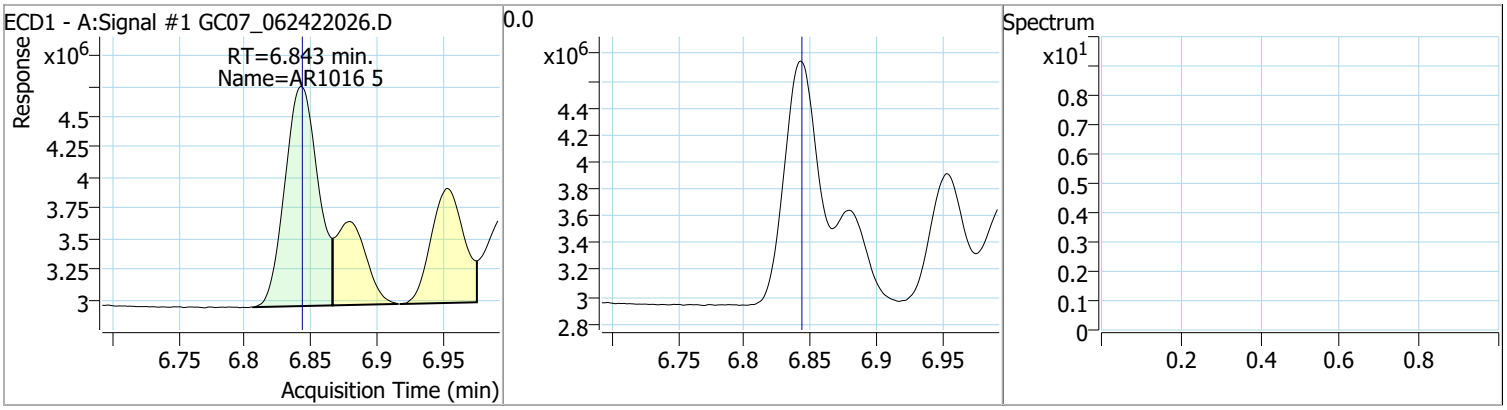
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	489.4577	6.34	0.00	1274235				



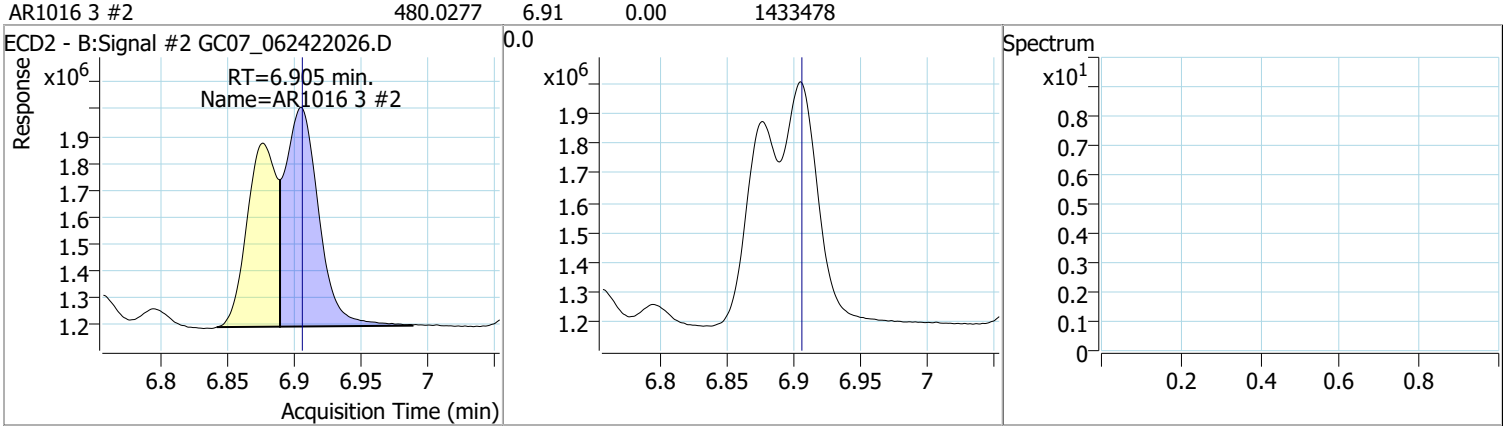
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	479.8021	6.37	0.00	3772166 (m)				



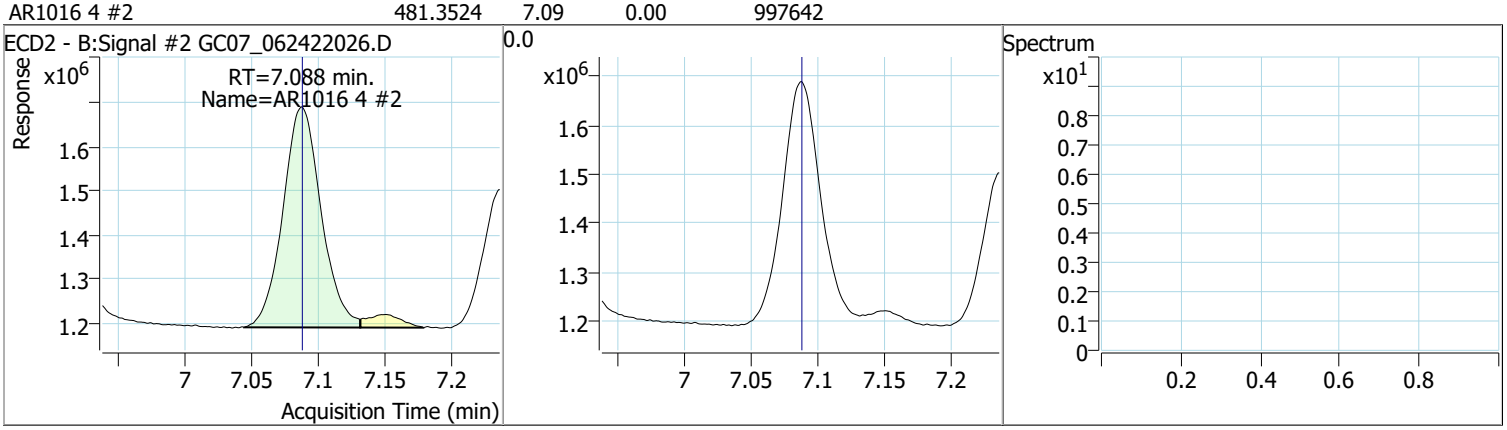
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	479.5366	6.84	0.00	3140347				



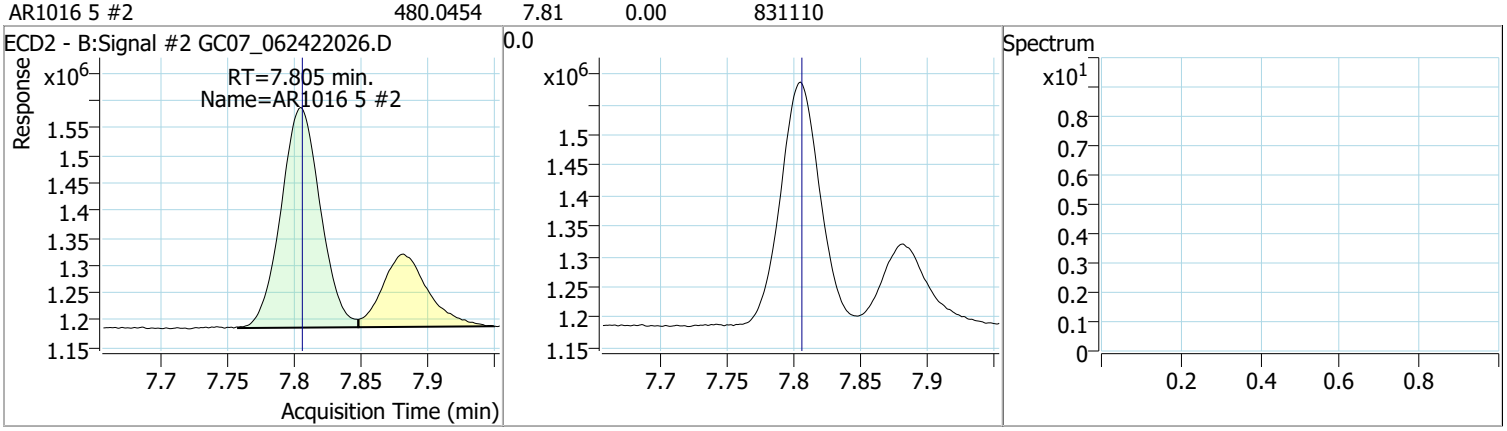
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	480.0277	6.91	0.00	1433478				



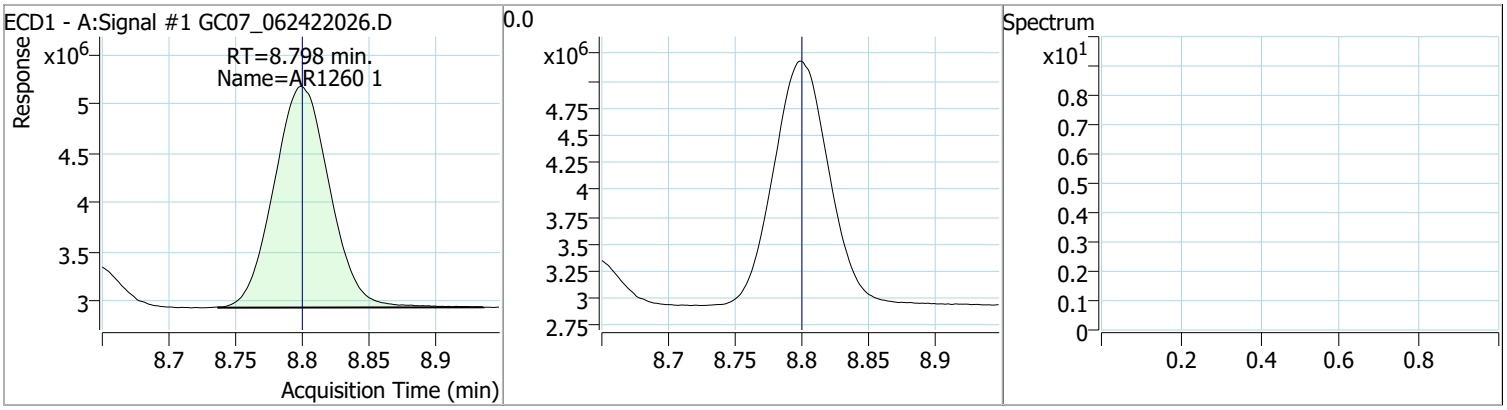
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	481.3524	7.09	0.00	997642				



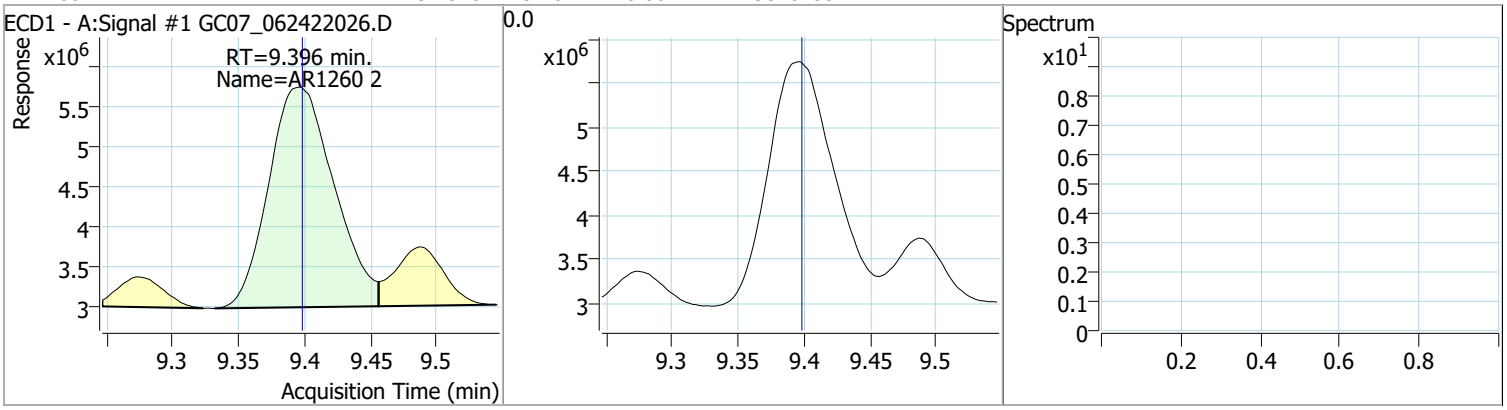
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	480.0454	7.81	0.00	831110				



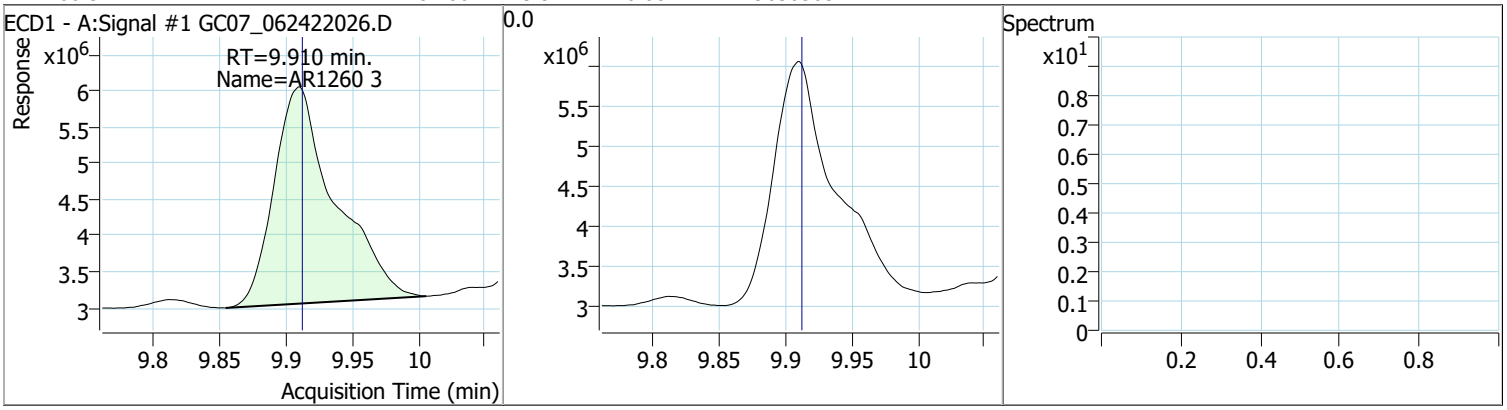
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	475.8643	8.80	0.00	6580851				



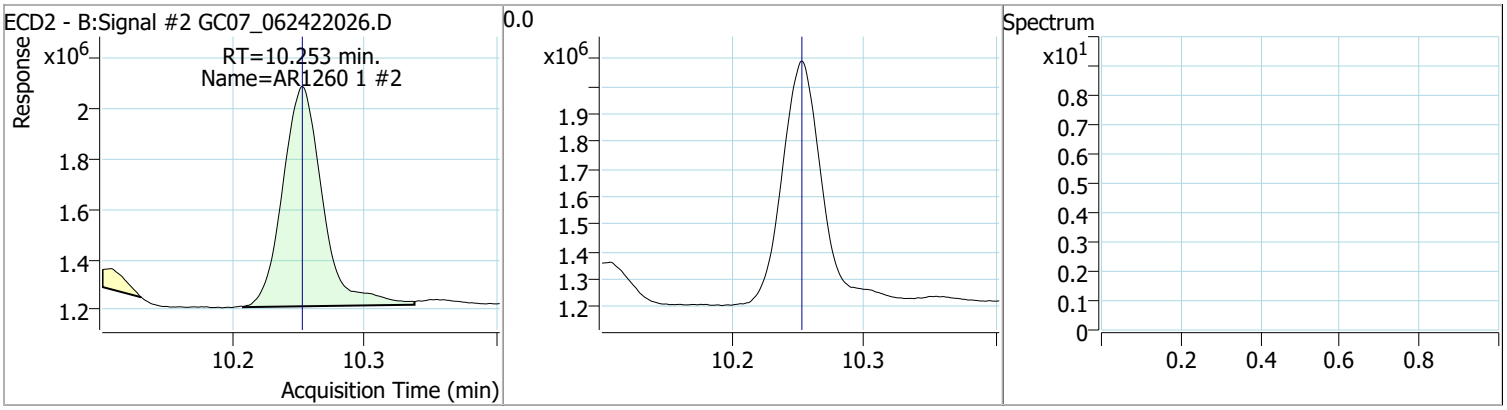
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	479.4548	9.40	0.00	9518155				



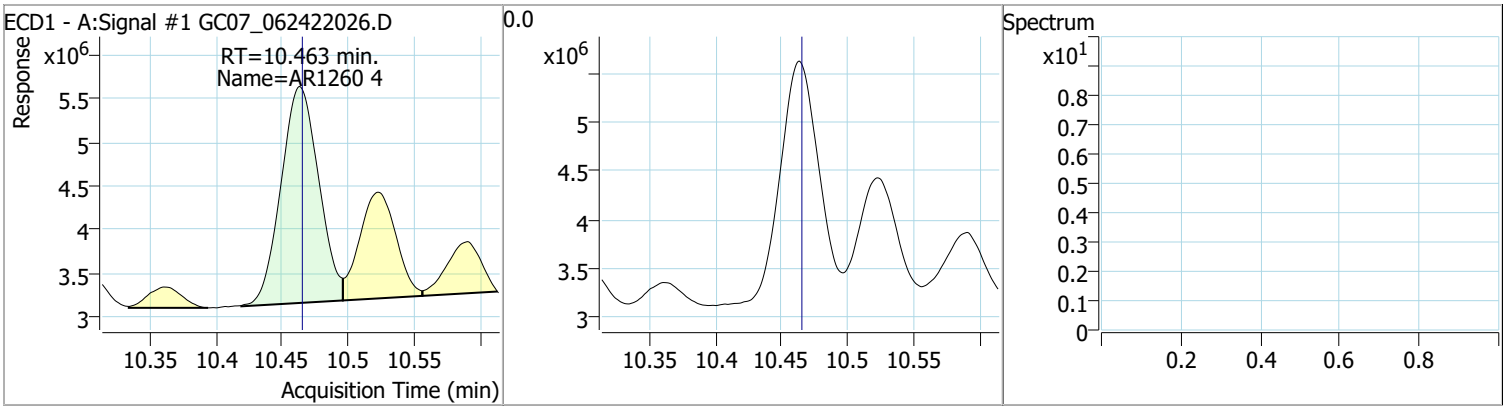
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	478.7001	9.91	0.00	9630305				



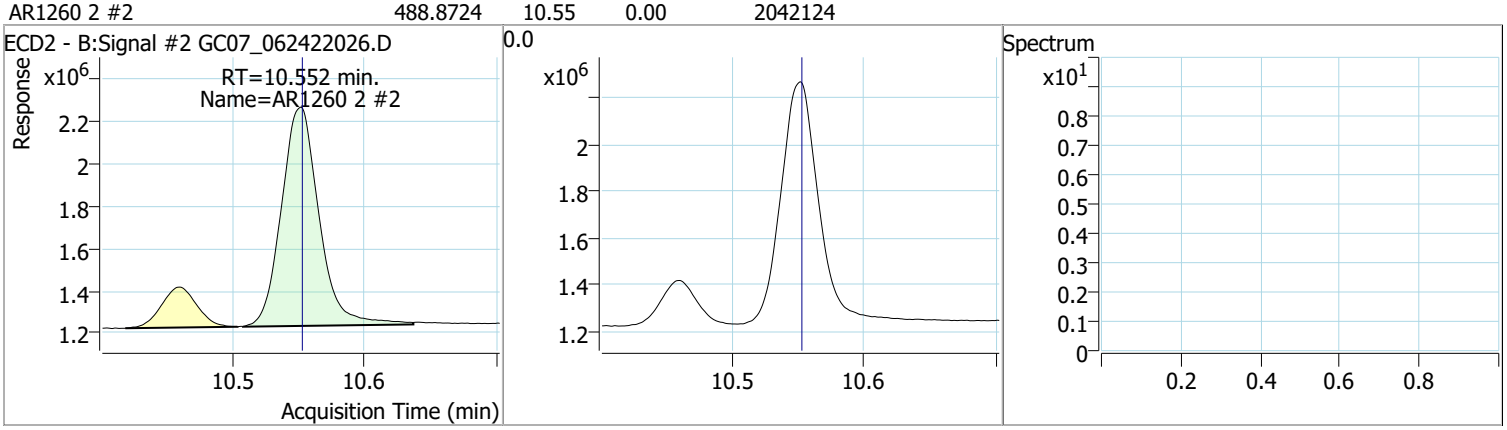
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	488.4021	10.25	0.00	1836315				



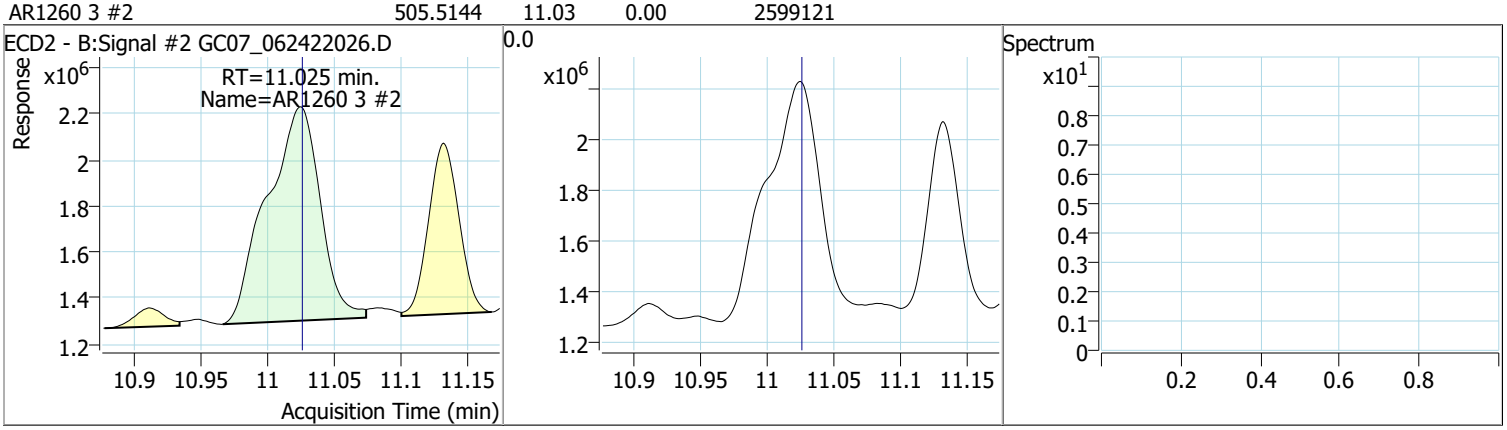
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	475.2929	10.46	0.00	4888051				



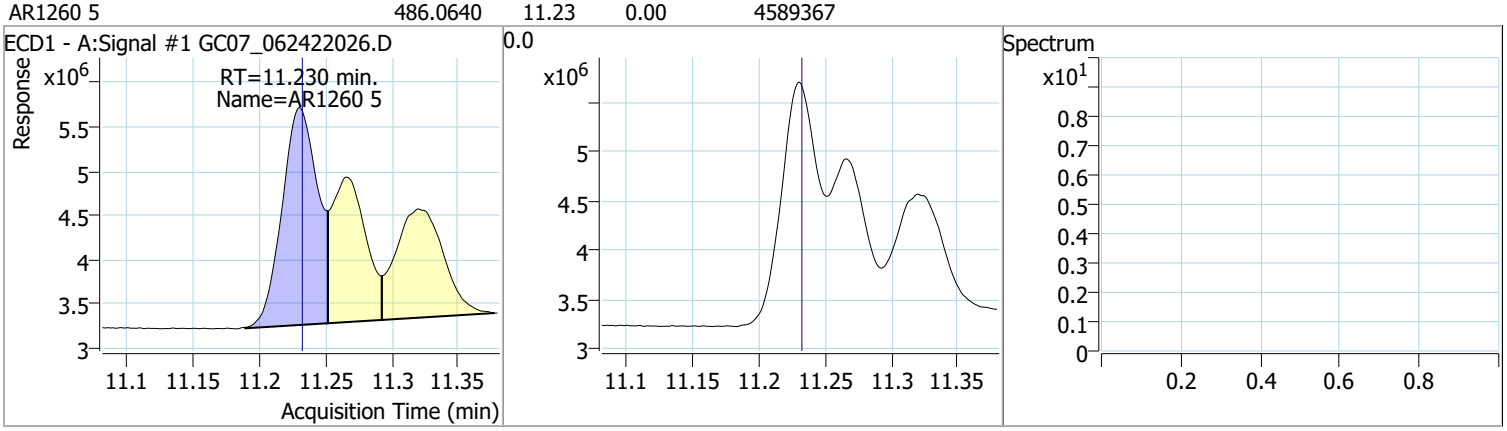
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	488.8724	10.55	0.00	2042124				



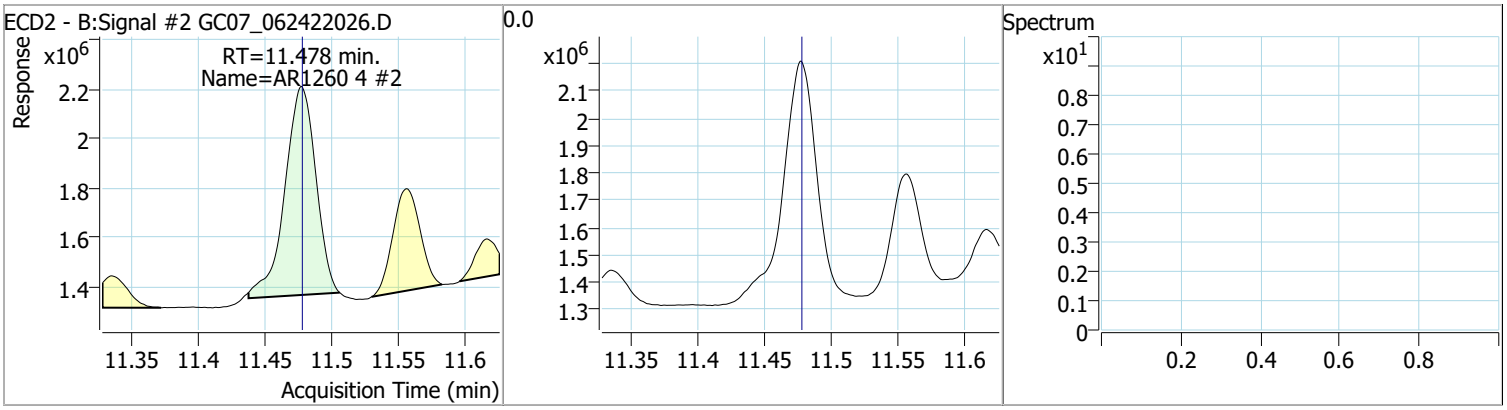
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	505.5144	11.03	0.00	2599121				



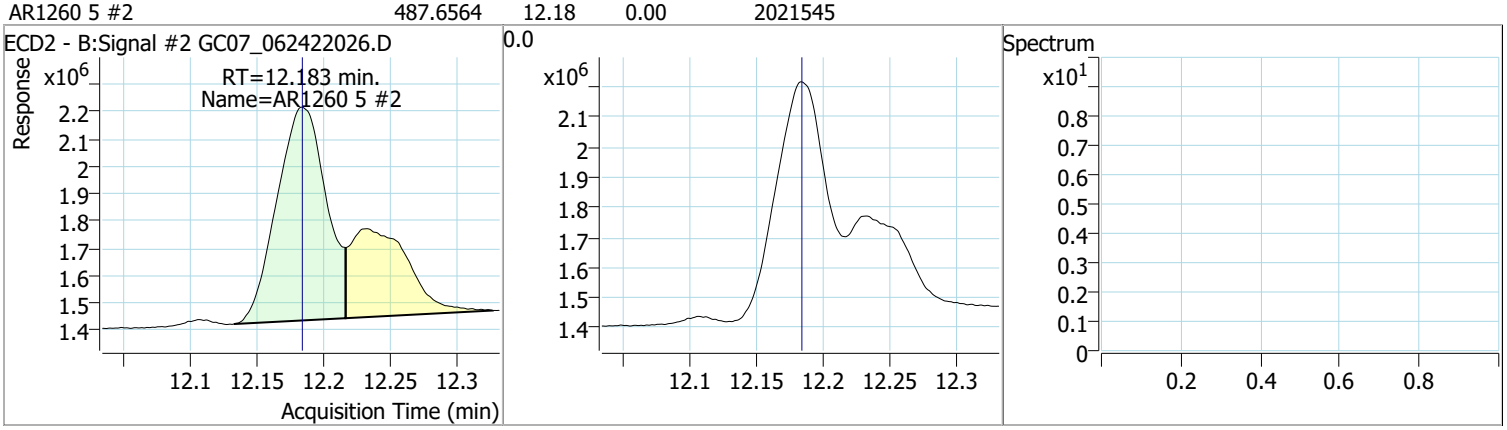
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	486.0640	11.23	0.00	4589367				



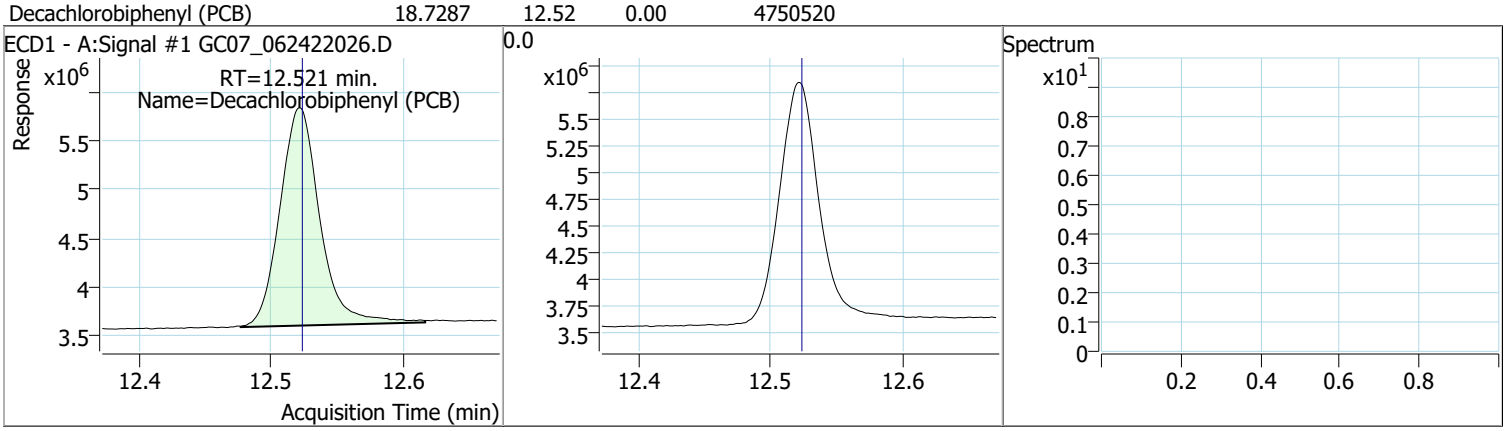
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	473.7649	11.48	0.00	1366676				



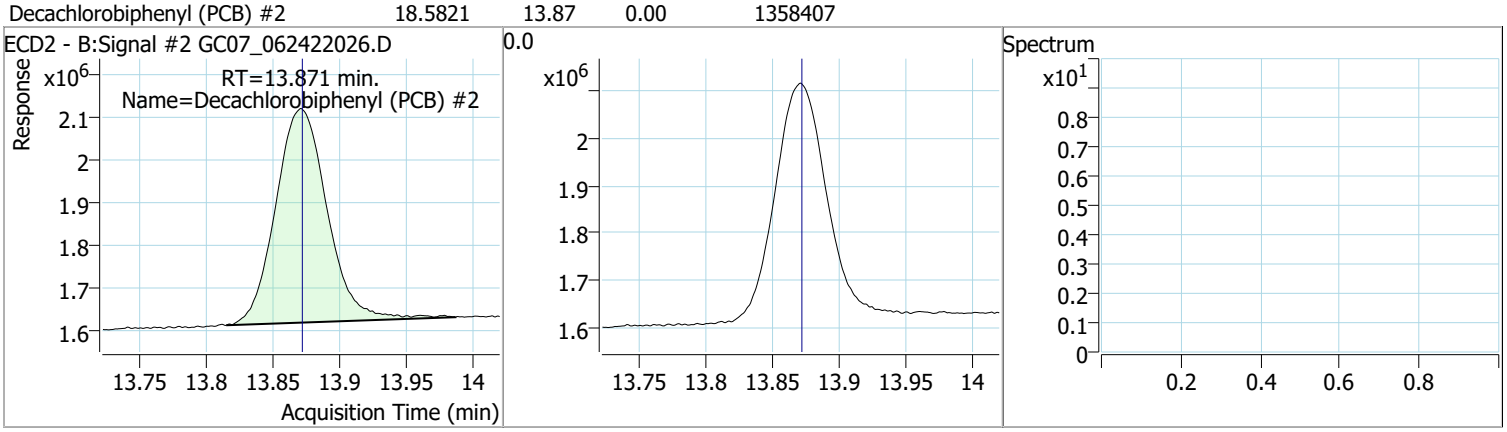
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	487.6564	12.18	0.00	2021545				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	18.7287	12.52	0.00	4750520				

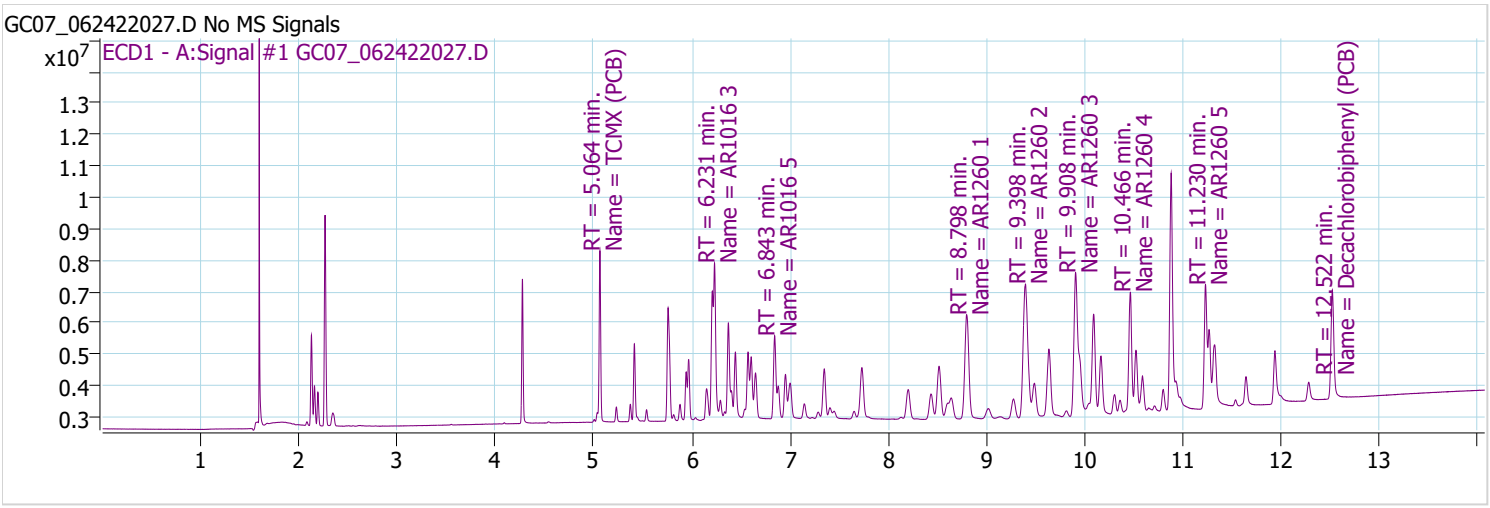


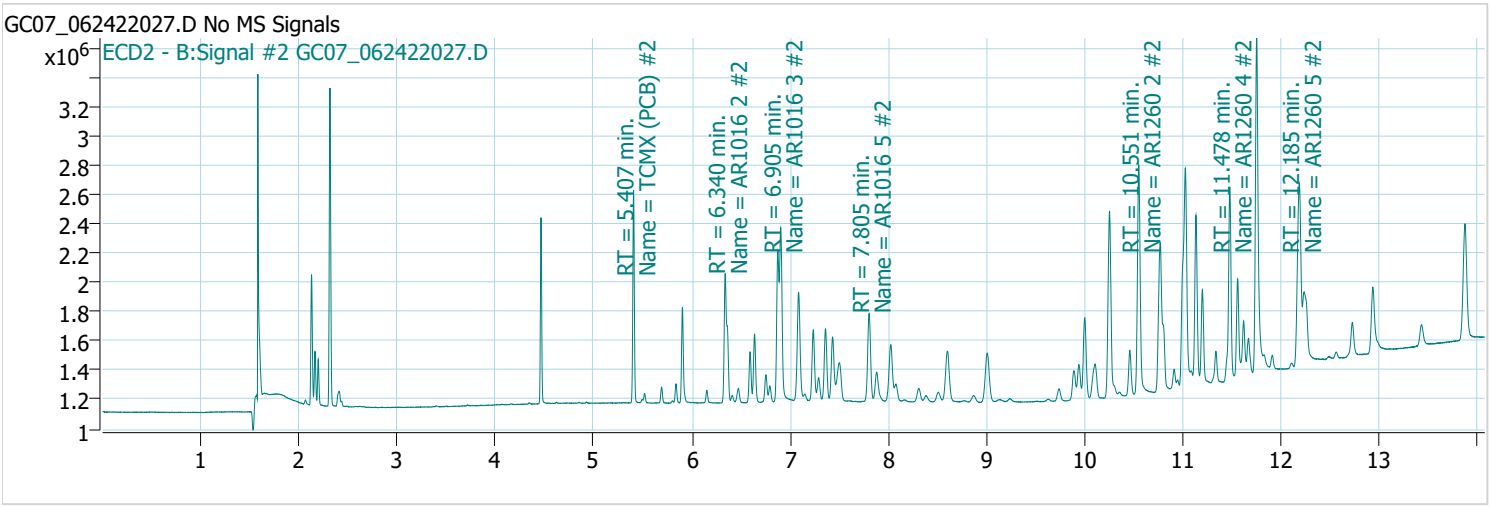
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	18.5821	13.87	0.00	1358407				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422027.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 2:07:06 AM
Sample Name	ICAL, S16726, 2.66	Instrument	SVOA-GC07
Vial	16	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	750 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



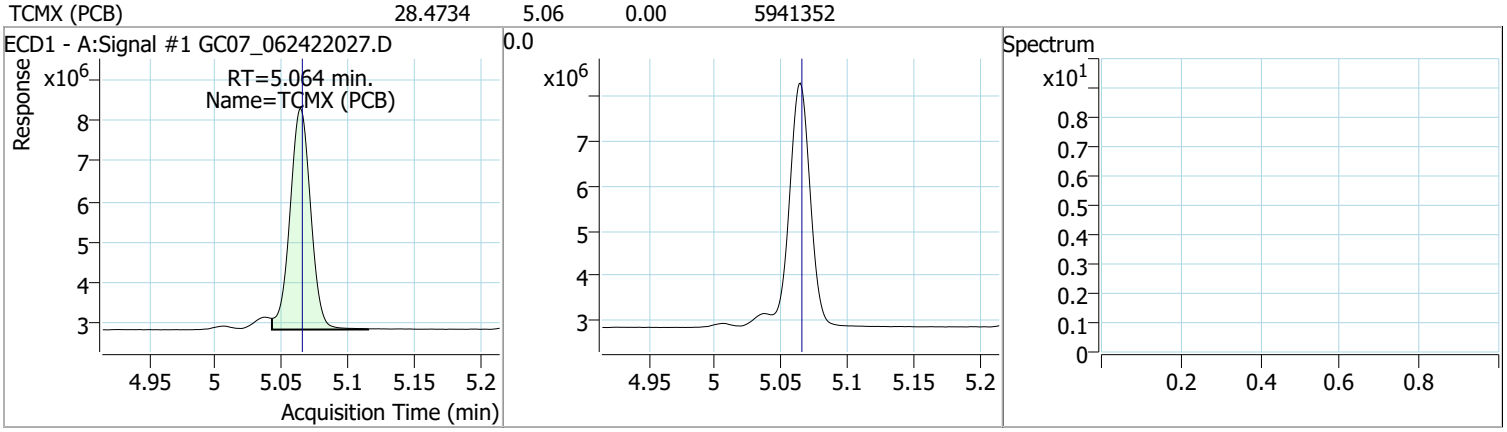


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.275	0.0	4424105.000	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.464	0.0	1157107.608	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.064	0.0	5941351.881	28.4734	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 142.37%		
S TCMX (PCB) #2	5.407	0.0	1565711.877	29.8159	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 149.08%		
S Decachlorobiphenyl (PCB)	12.522	0.0	7275207.517	29.4381	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 147.19%		
S Decachlorobiphenyl (PCB) #2	13.873	0.0	2090754.941	29.3435	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 146.72%		
Target Compounds						QValue

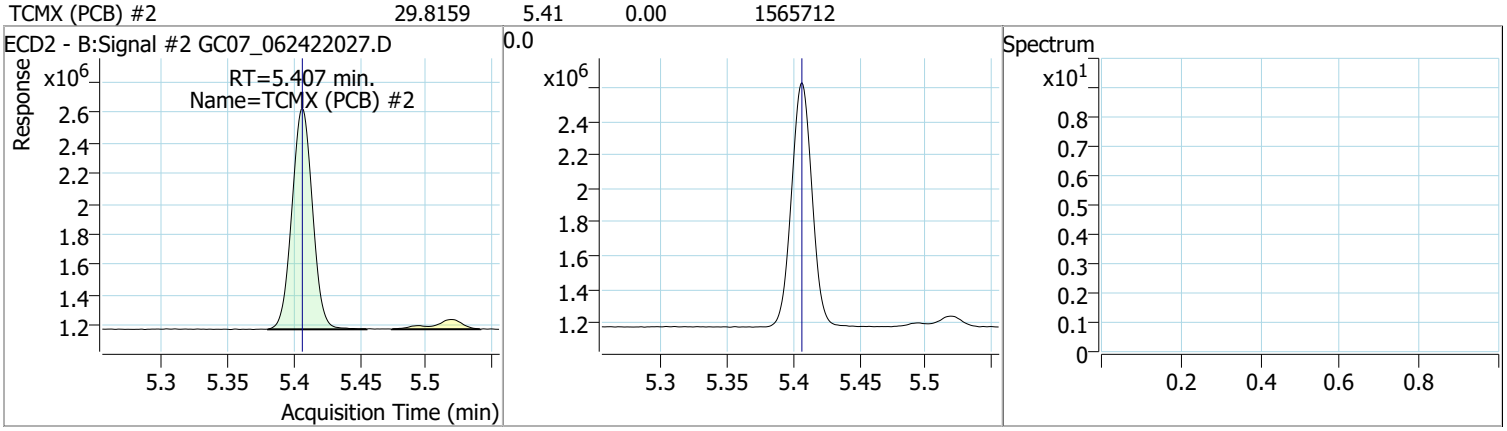
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.415	0.0	2987472.255	703.8748	ng/ml	m	100
T AR1016 2	5.758	0.0	6390444.056	694.7020	ng/ml		100
T AR1016 1 #2	5.904	0.0	850617.917	729.9780	ng/ml		100
T AR1016 3	6.231	0.0	7527661.058	706.6821	ng/ml		100
T AR1016 2 #2	6.340	0.0	1843224.286	726.4210	ng/ml		100
T AR1016 4	6.372	0.0	5500669.792	718.0979	ng/ml	m	100
T AR1016 5	6.843	0.0	4575781.288	717.1436	ng/ml		100
T AR1016 3 #2	6.905	0.0	2117268.136	727.4376	ng/ml		100
T AR1016 4 #2	7.087	0.0	1498091.864	741.6030	ng/ml		100
T AR1016 5 #2	7.805	0.0	1242512.045	736.3245	ng/ml		100
T AR1260 1	8.798	0.0	10255961.782	761.1569	ng/ml		100
T AR1260 2	9.398	0.0	14181456.773	733.1832	ng/ml		100
T AR1260 3	9.908	0.0	14575945.035	743.6300	ng/ml		100
T AR1260 1 #2	10.253	0.0	2744668.361	748.9708	ng/ml		100
T AR1260 4	10.466	0.0	7305100.785	729.0352	ng/ml		100
T AR1260 2 #2	10.551	0.0	3083387.233	757.3316	ng/ml		100
T AR1260 3 #2	11.025	0.0	3988085.687	795.8224	ng/ml		100
T AR1260 5	11.230	0.0	7433526.896	808.0391	ng/ml		100
T AR1260 4 #2	11.478	0.0	2244748.204	798.3797	ng/ml		100
T AR1260 5 #2	12.185	0.0	3113694.070	770.6392	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

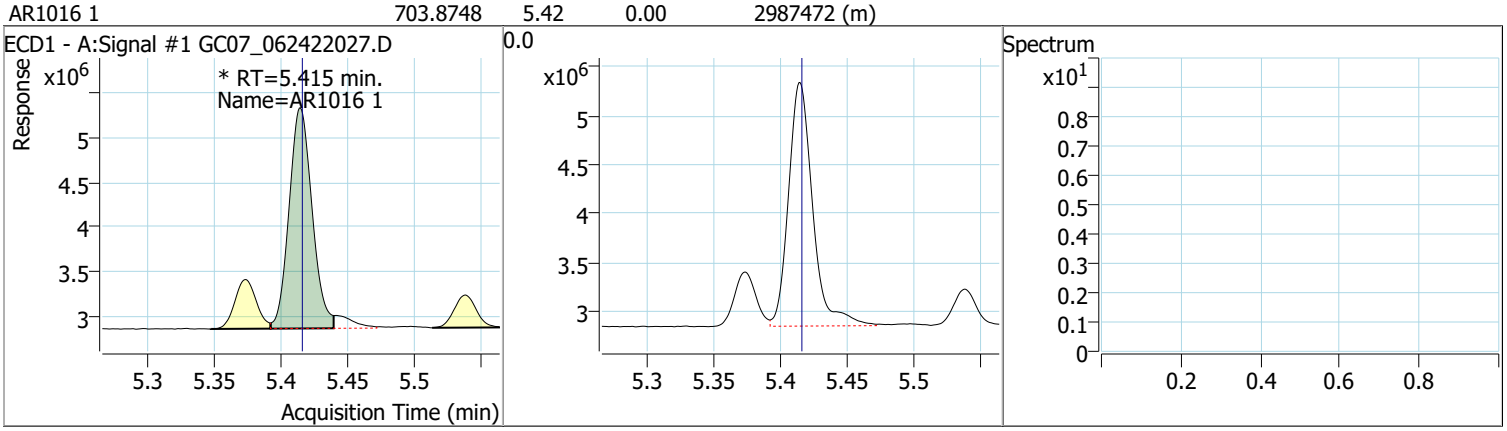
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	28.4734	5.06	0.00	5941352				



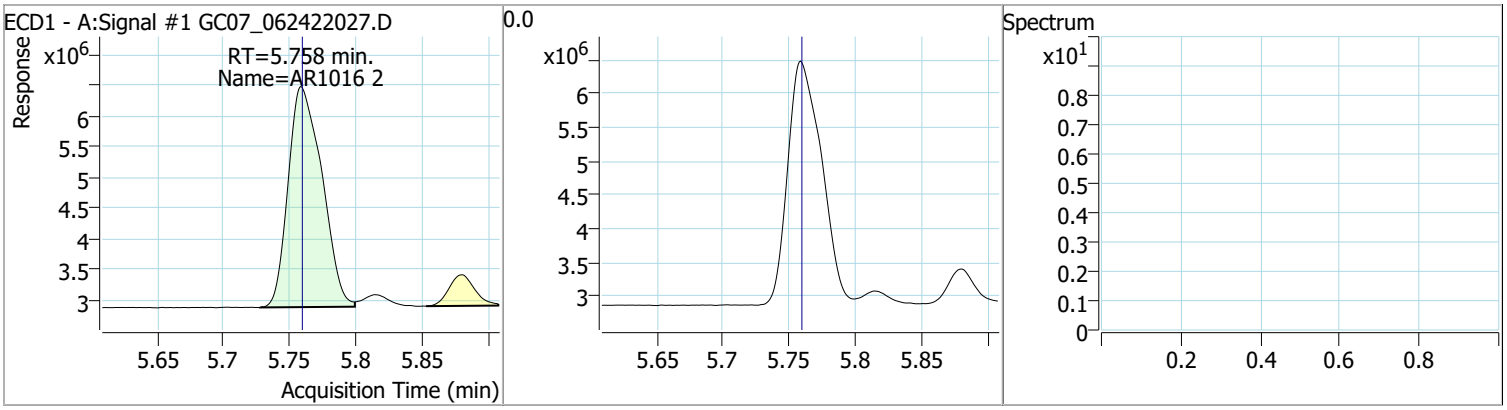
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	29.8159	5.41	0.00	1565712				



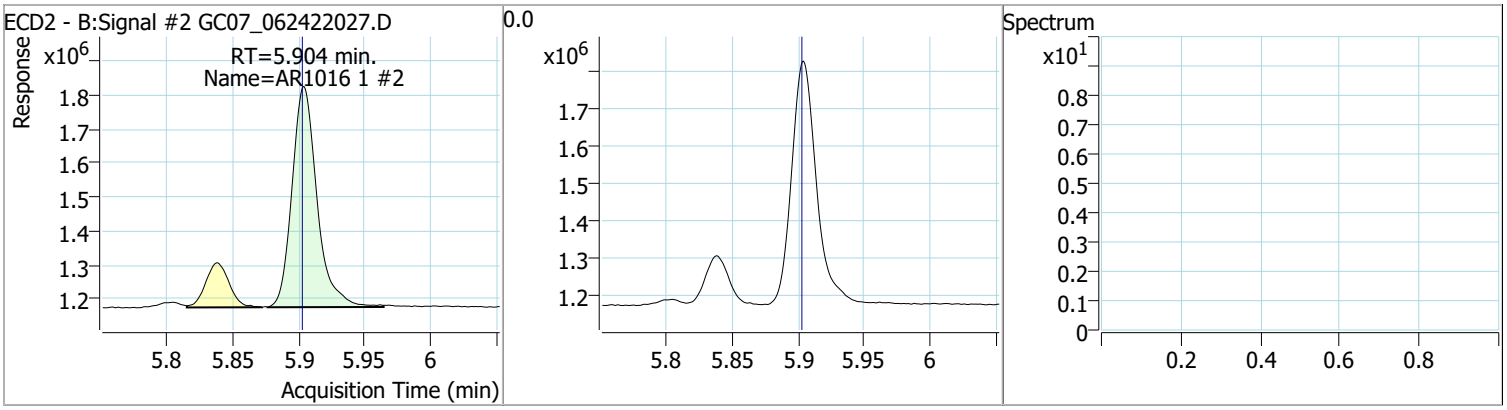
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	703.8748	5.42	0.00	2987472 (m)				



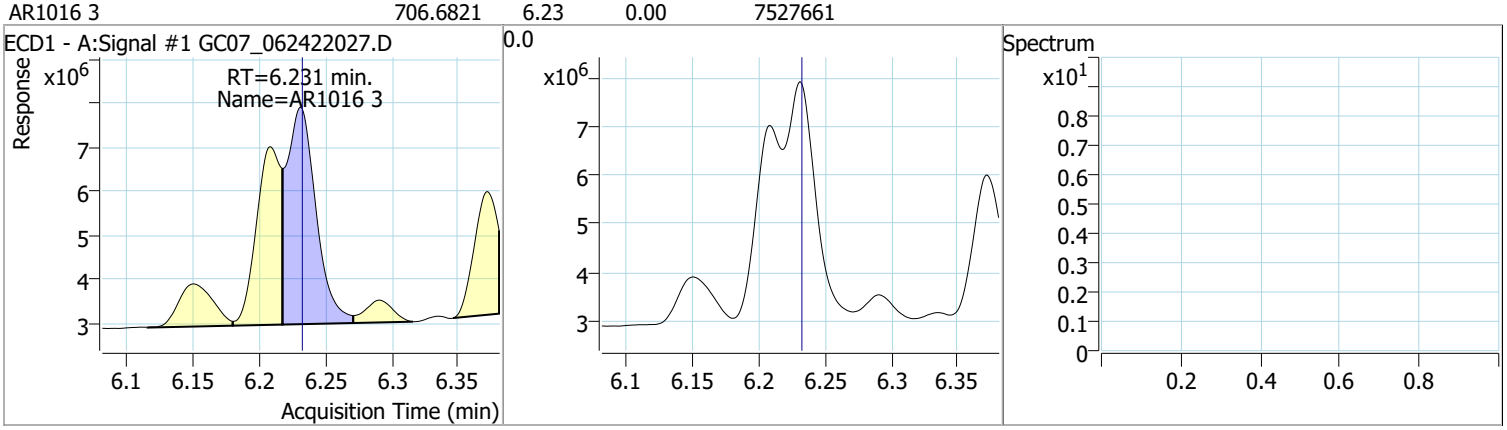
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	694.7020	5.76	0.00	6390444				



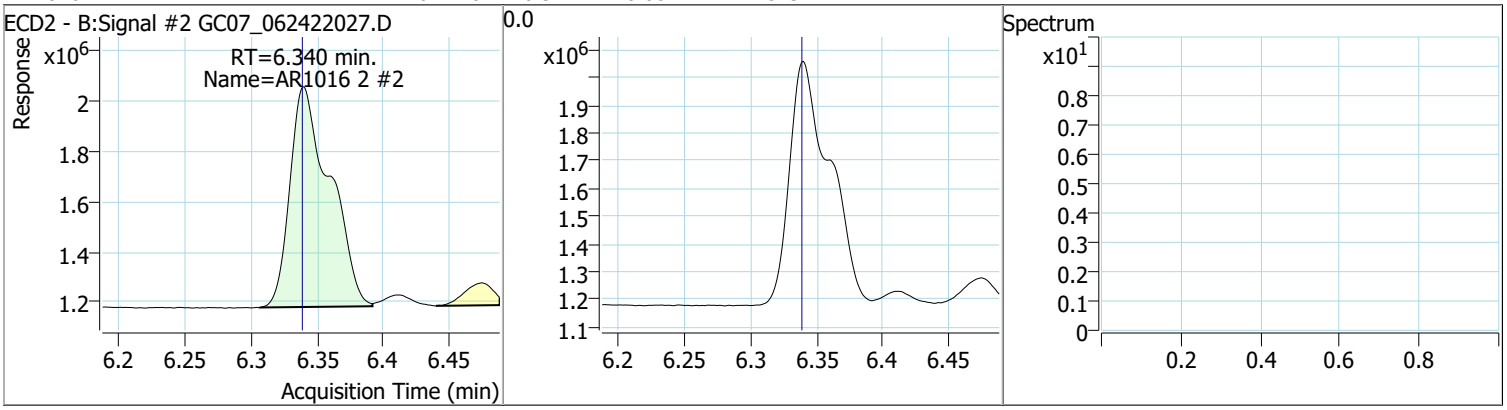
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	729.9780	5.90	0.00	850618				



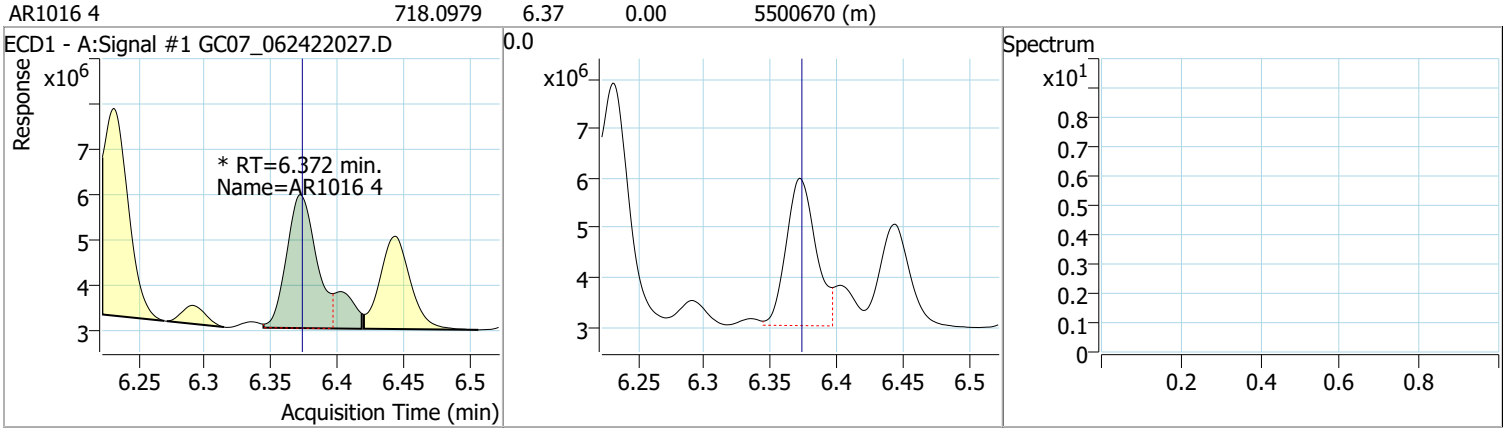
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	706.6821	6.23	0.00	7527661				



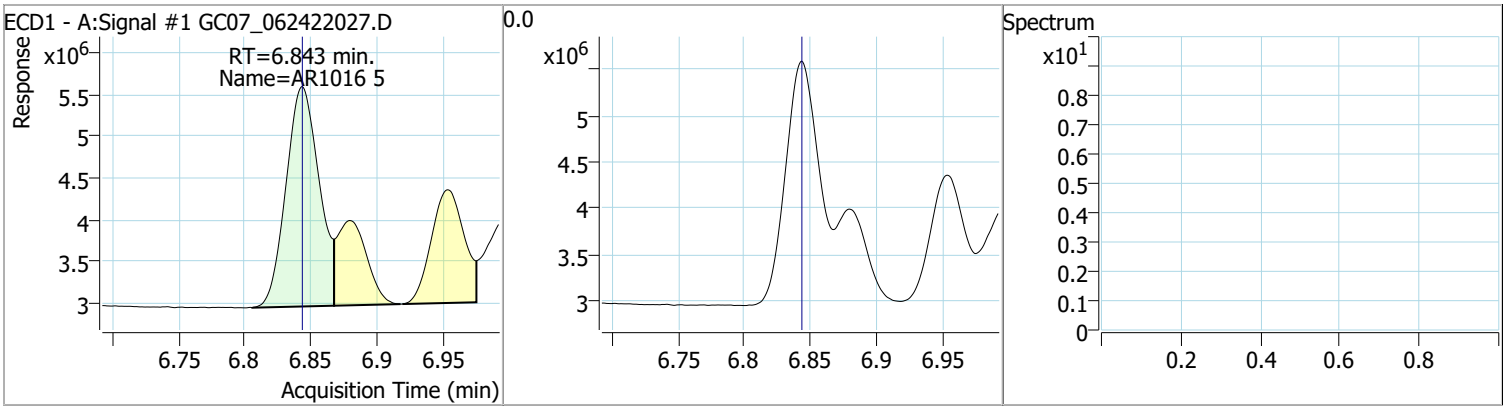
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	726.4210	6.34	0.00	1843224				



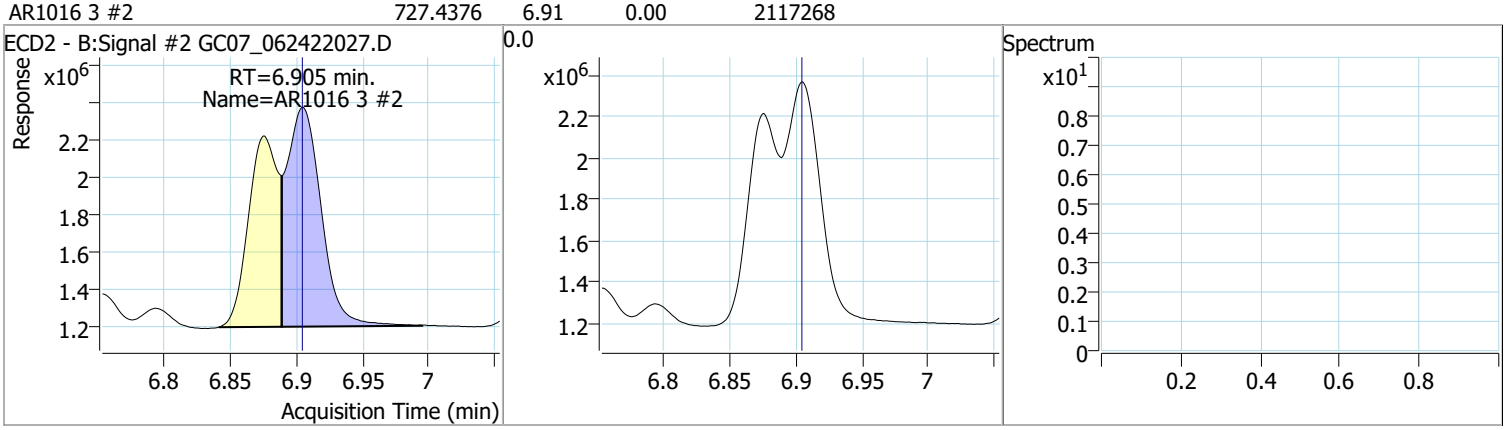
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	718.0979	6.37	0.00	5500670 (m)				



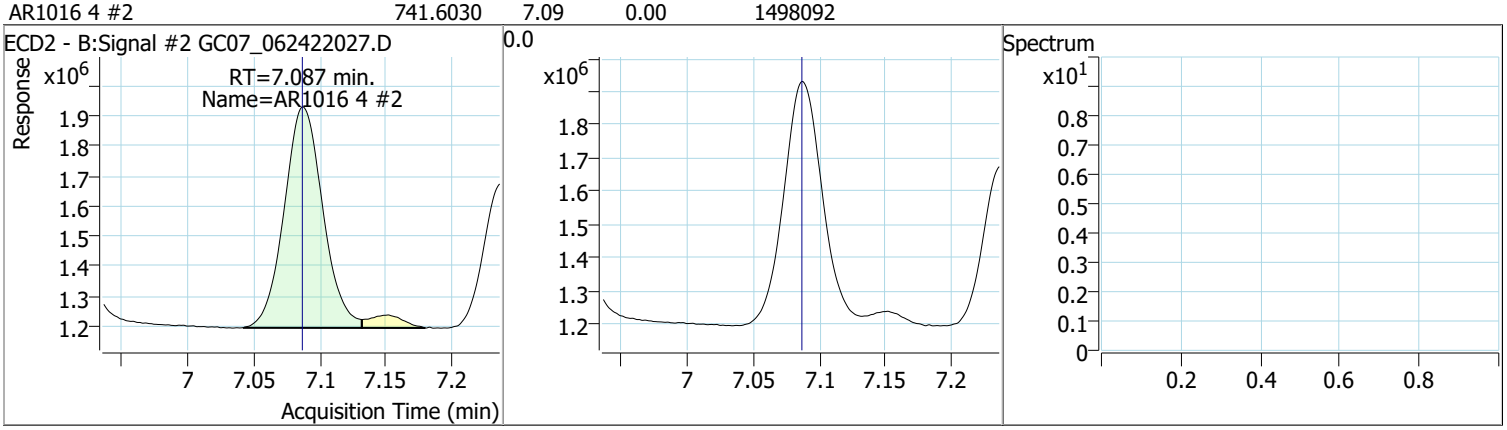
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	717.1436	6.84	0.00	4575781				



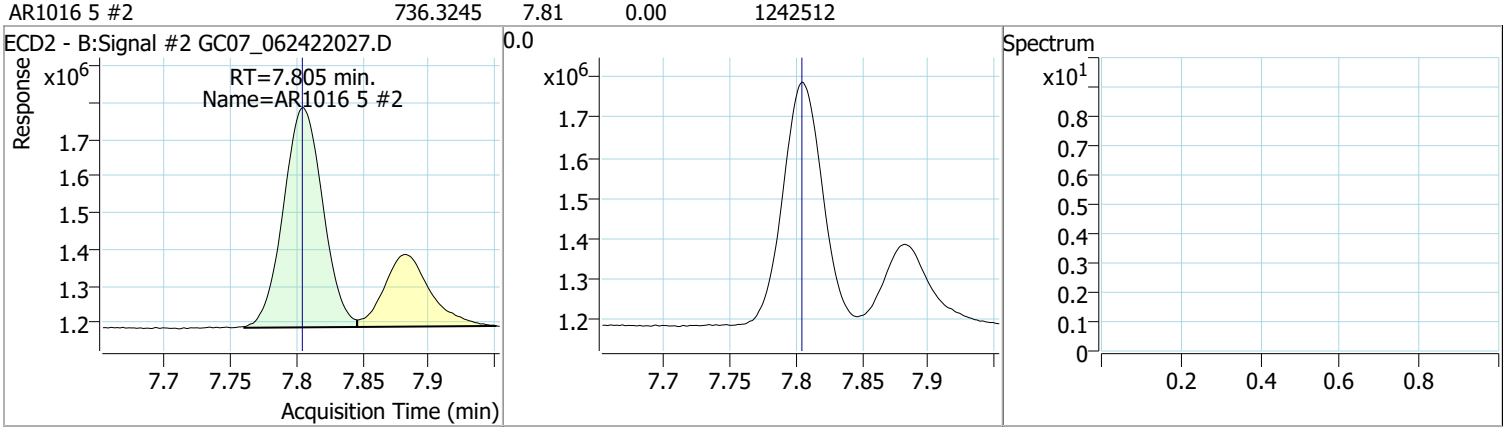
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	727.4376	6.91	0.00	2117268				



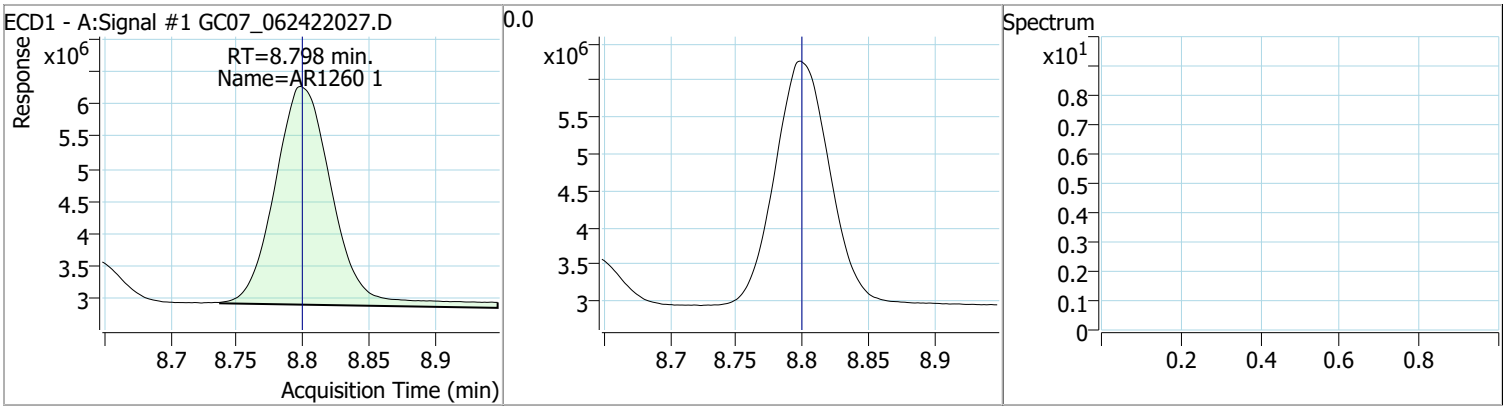
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	741.6030	7.09	0.00	1498092				



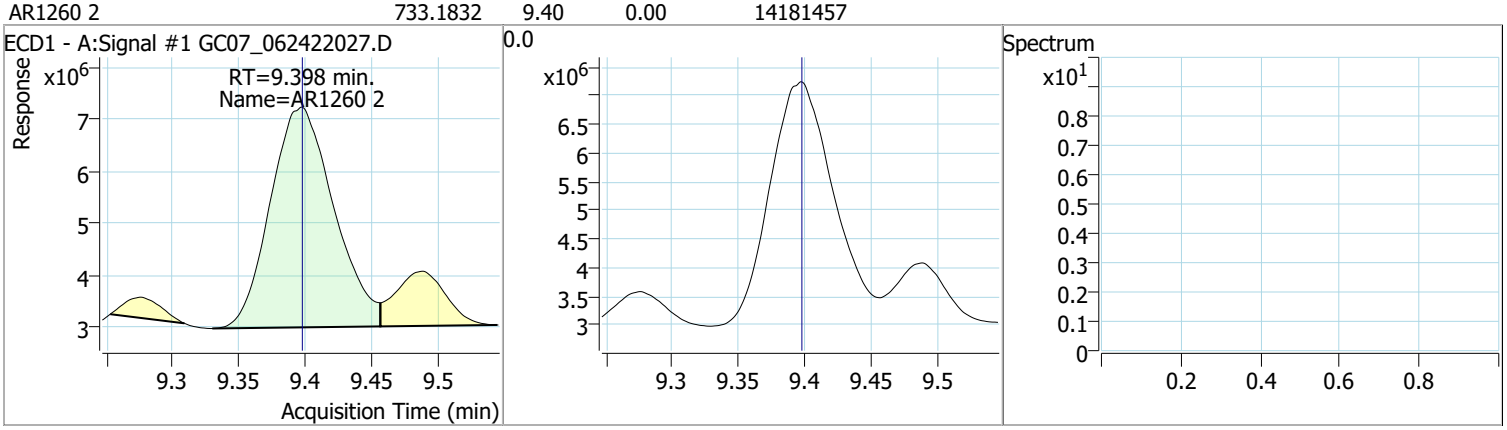
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	736.3245	7.81	0.00	1242512				



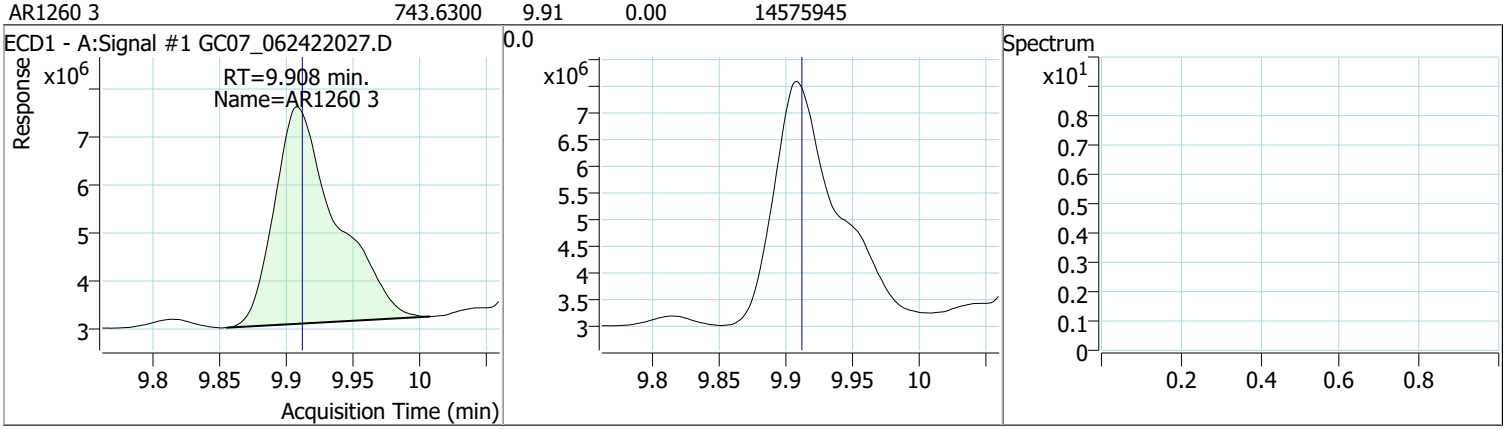
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	761.1569	8.80	0.00	10255962				



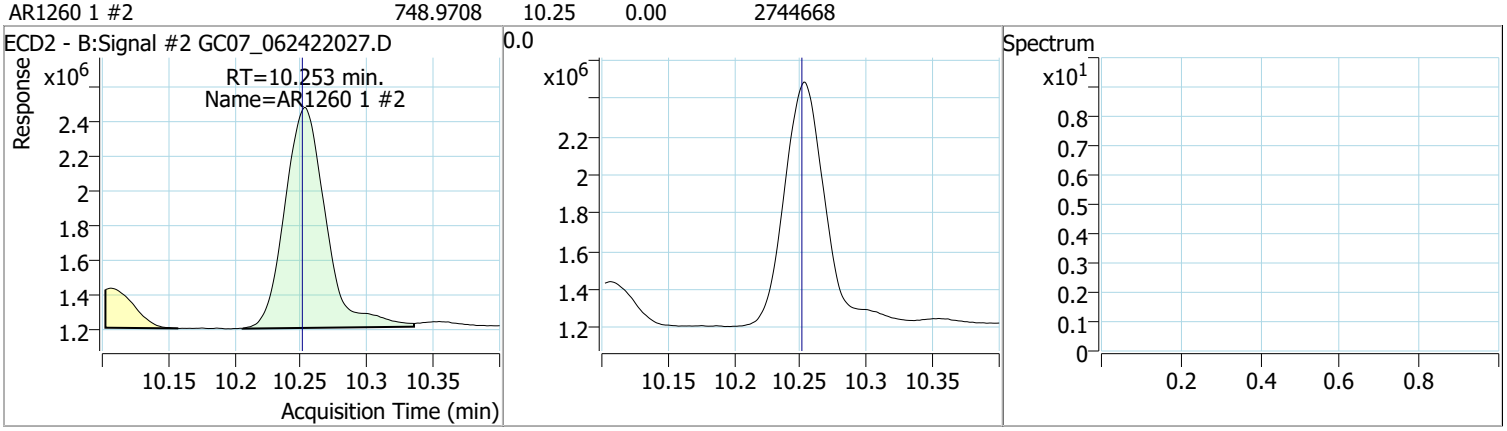
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	733.1832	9.40	0.00	14181457				



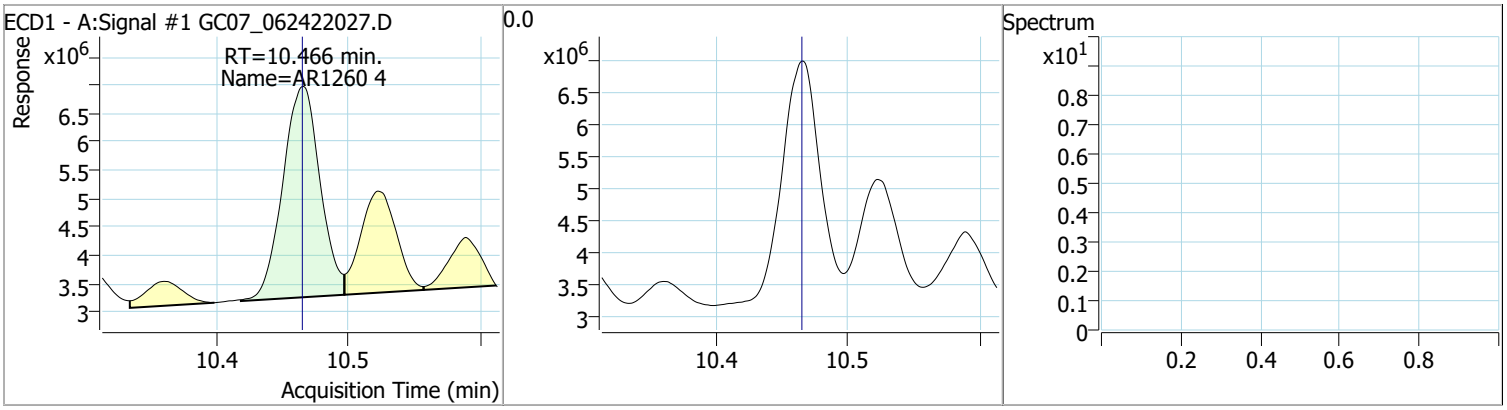
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	743.6300	9.91	0.00	14575945				



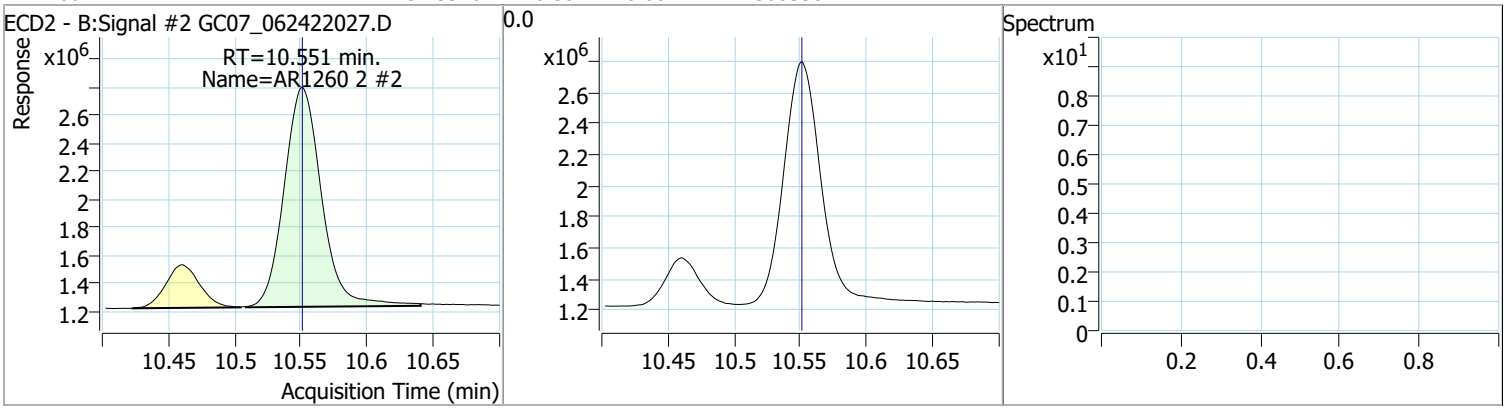
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	748.9708	10.25	0.00	2744668				



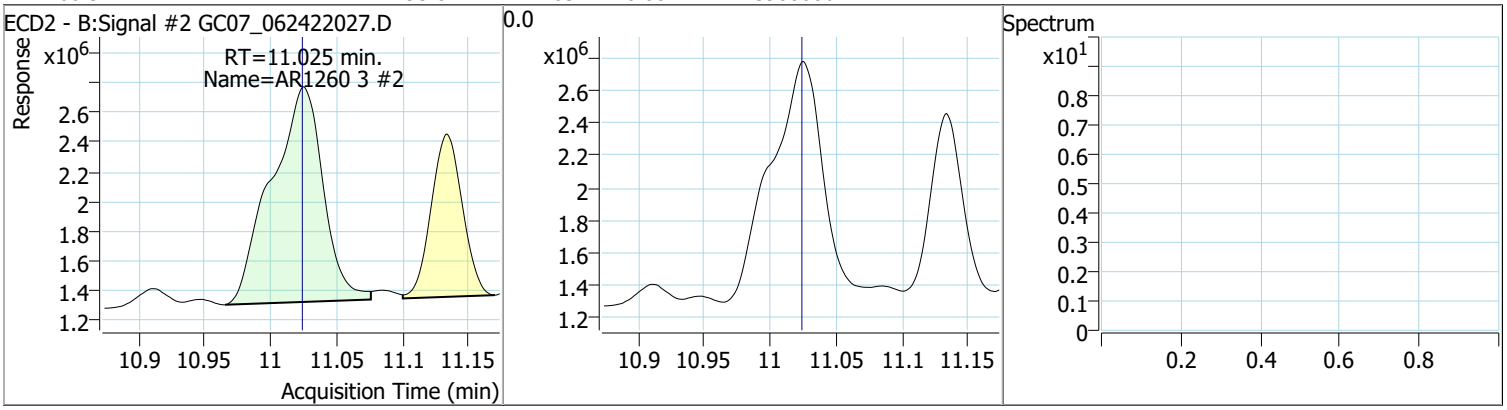
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	729.0352	10.47	0.00	7305101				



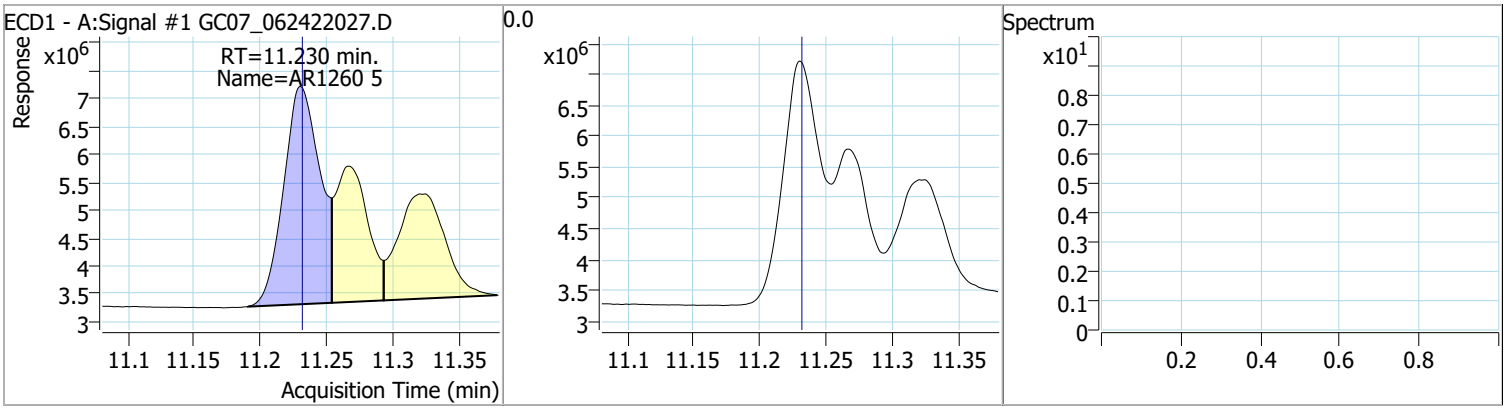
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	757.3316	10.55	0.00	3083387				



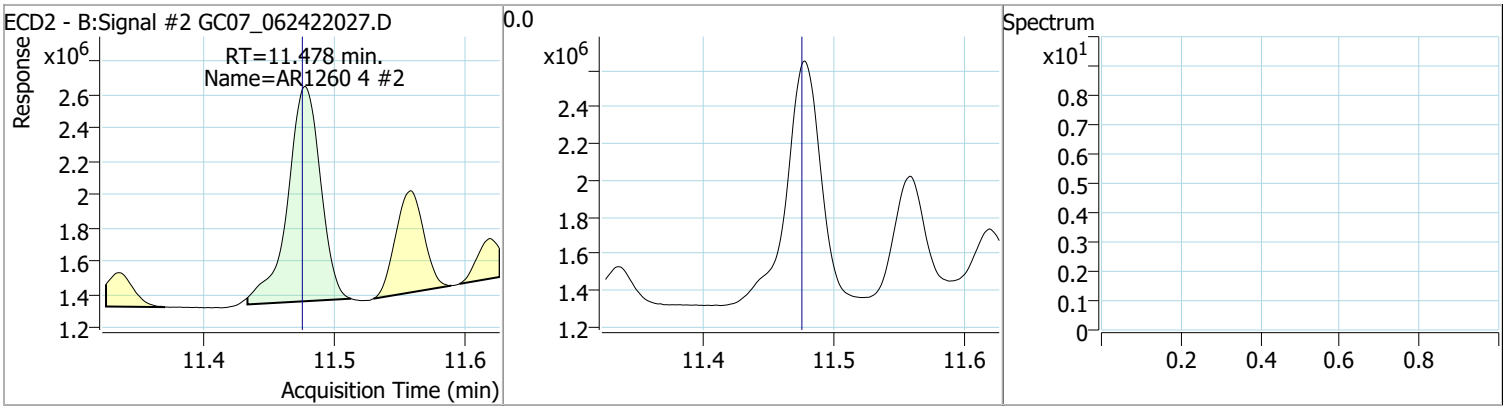
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	795.8224	11.03	0.00	3988086				



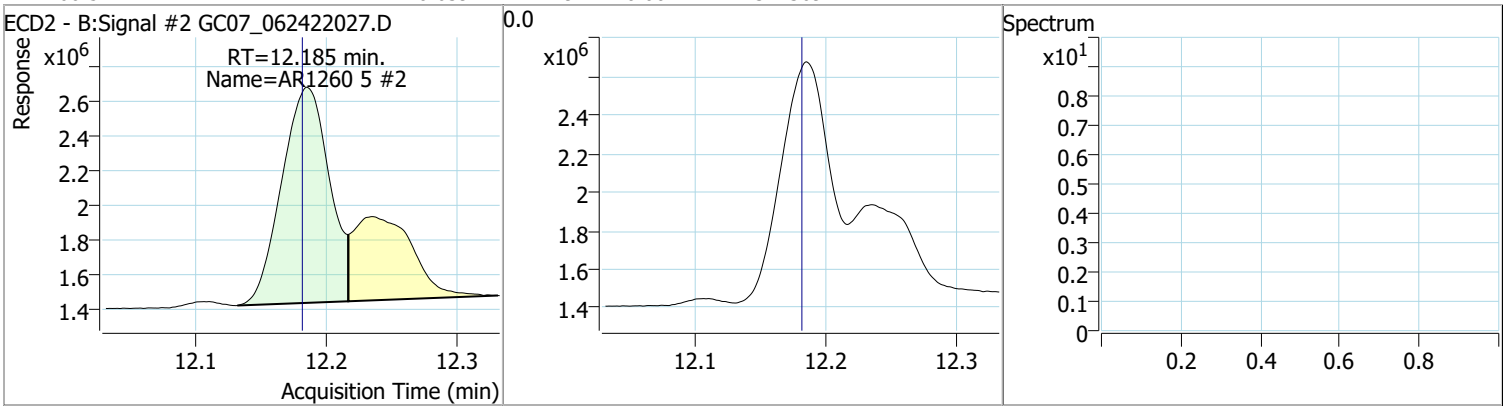
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	808.0391	11.23	0.00	7433527				



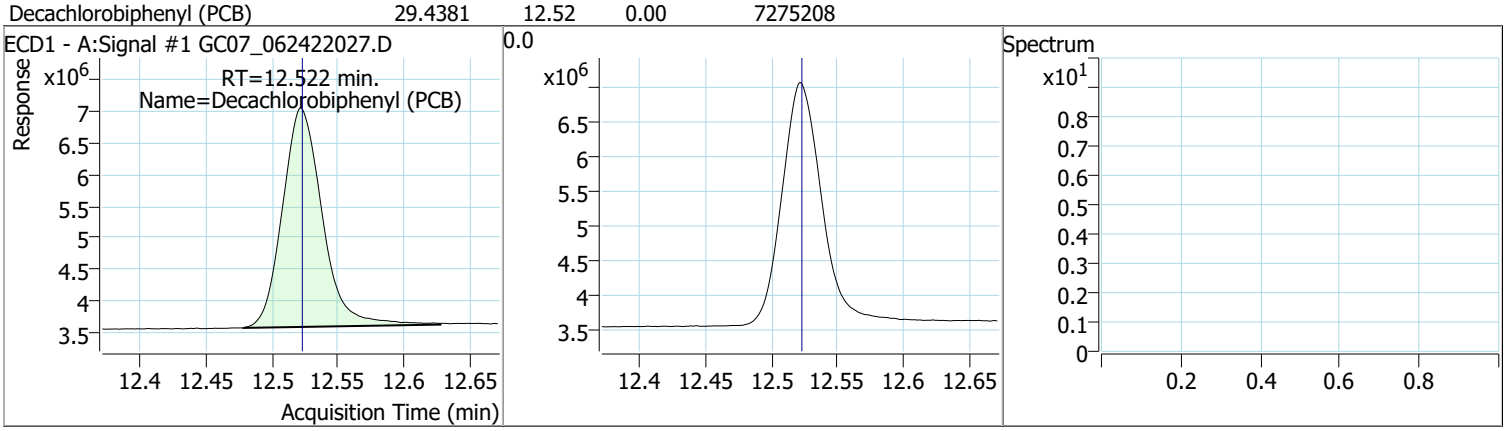
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	798.3797	11.48	0.00	2244748				



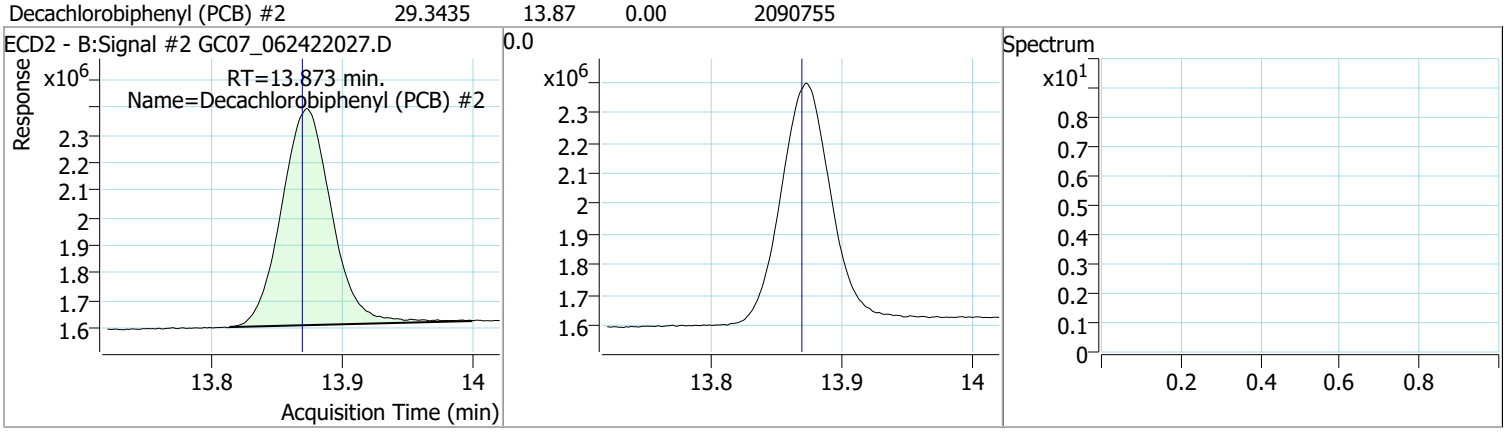
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	770.6392	12.19	0.00	3113694				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	29.4381	12.52	0.00	7275208				

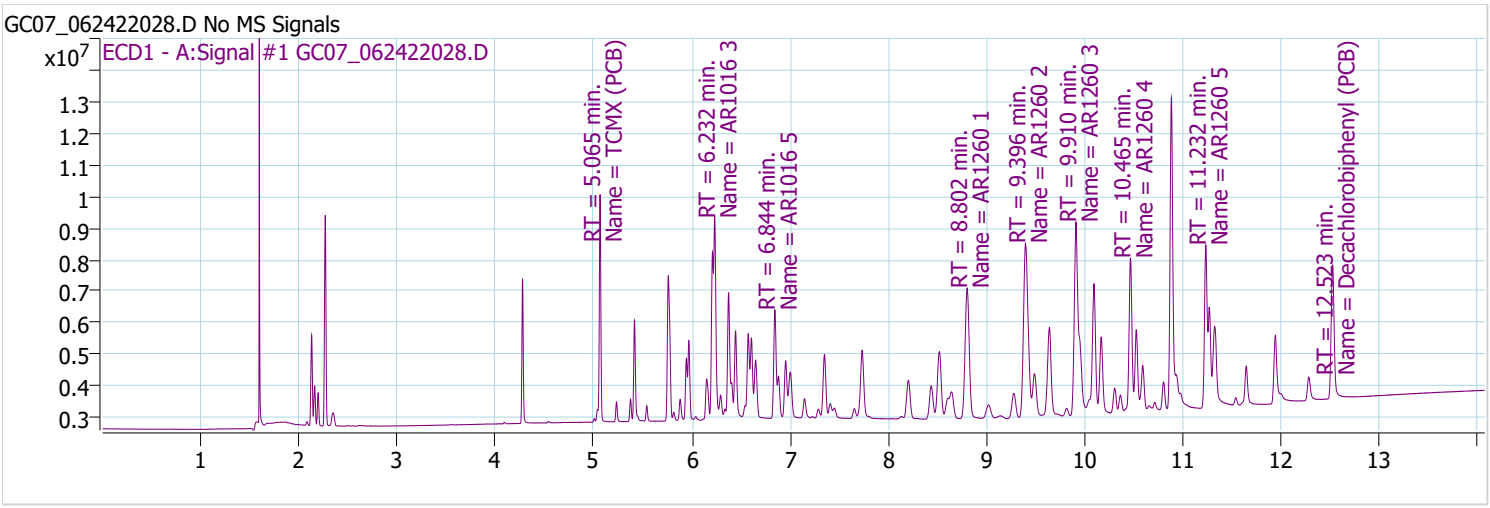


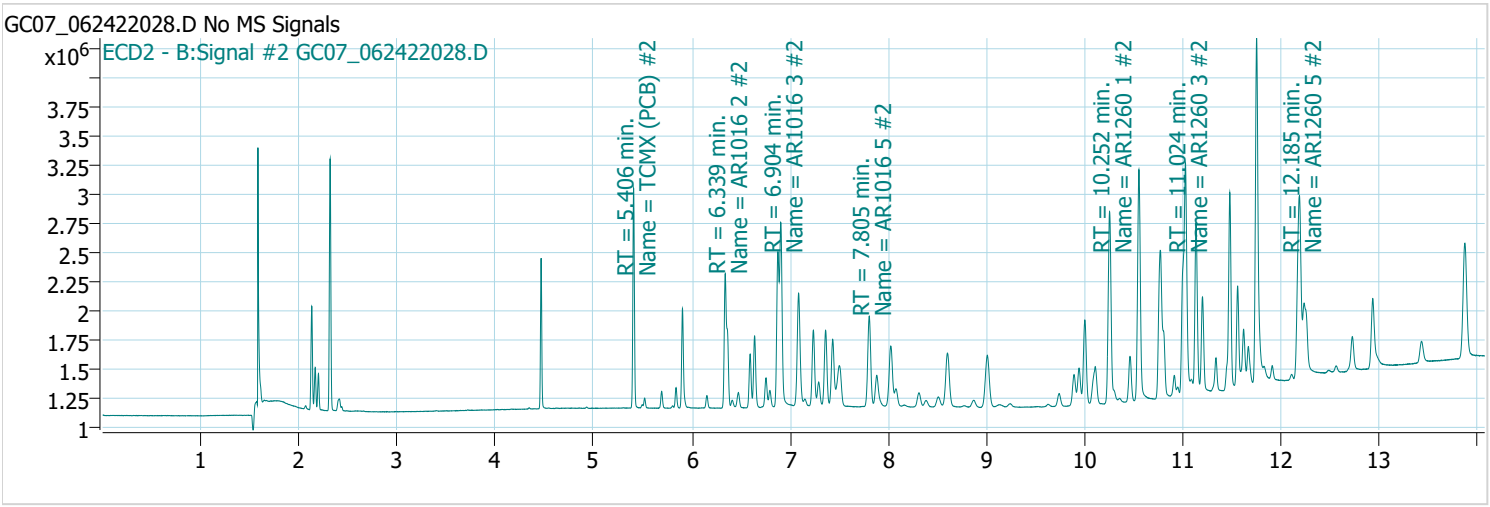
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	29.3435	13.87	0.00	2090755				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422028.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 2:24:39 AM
Sample Name	ICAL,S16726, 2	Instrument	SVOA-GC07
Vial	17	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	1000 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



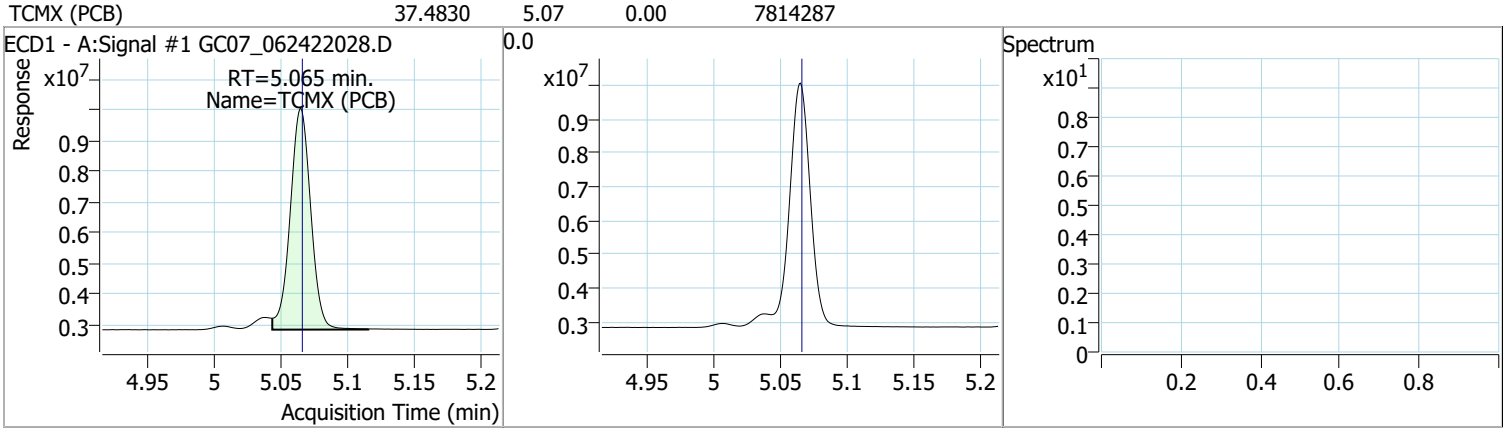


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.276	0.0	4420132.200	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.464	0.0	1163922.916	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.065	0.0	7814286.580	37.4830	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.41%		*	
S TCMX (PCB) #2	5.406	0.0	2078088.887	39.3414	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 196.71%		*	
S Decachlorobiphenyl (PCB)	12.523	0.0	9259543.832	37.5011	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.51%		*	
S Decachlorobiphenyl (PCB) #2	13.869	0.0	2692099.834	37.5620	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.81%		*	
Target Compounds							QValue

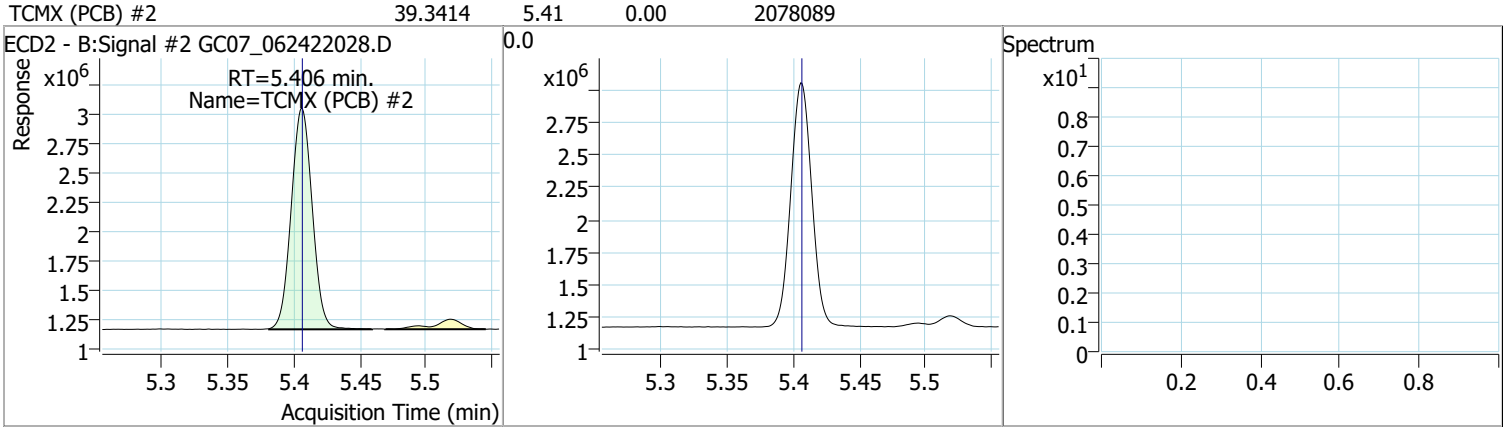
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.415	0.0	3880009.754	914.9861	ng/ml	m	100
T AR1016 2	5.759	0.0	8231794.671	895.6786	ng/ml		100
T AR1016 1 #2	5.903	0.0	1120598.473	956.0373	ng/ml		100
T AR1016 3	6.232	0.0	9798395.587	920.6810	ng/ml		100
T AR1016 2 #2	6.339	0.0	2406093.208	942.6971	ng/ml		100
T AR1016 4	6.373	0.0	7134338.585	932.2062	ng/ml		100
T AR1016 5	6.844	0.0	5906325.814	926.5065	ng/ml		100
T AR1016 3 #2	6.904	0.0	2789498.032	952.7862	ng/ml		100
T AR1016 4 #2	7.086	0.0	1980909.335	974.8710	ng/ml		100
T AR1016 5 #2	7.805	0.0	1634772.757	963.1093	ng/ml		100
T AR1260 1	8.802	0.0	12151492.682	902.6463	ng/ml		100
T AR1260 2	9.396	0.0	18030089.728	932.9958	ng/ml		100
T AR1260 3	9.910	0.0	18640207.223	951.8337	ng/ml		100
T AR1260 1 #2	10.252	0.0	3522414.927	955.5756	ng/ml		100
T AR1260 4	10.465	0.0	9235324.184	922.4963	ng/ml		100
T AR1260 2 #2	10.551	0.0	3921213.965	957.4764	ng/ml		100
T AR1260 3 #2	11.024	0.0	5095147.262	1010.7830	ng/ml		100
T AR1260 5	11.232	0.0	9455583.328	1028.7645	ng/ml		100
T AR1260 4 #2	11.476	0.0	2768819.775	979.0076	ng/ml		100
T AR1260 5 #2	12.185	0.0	3988409.501	981.3511	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

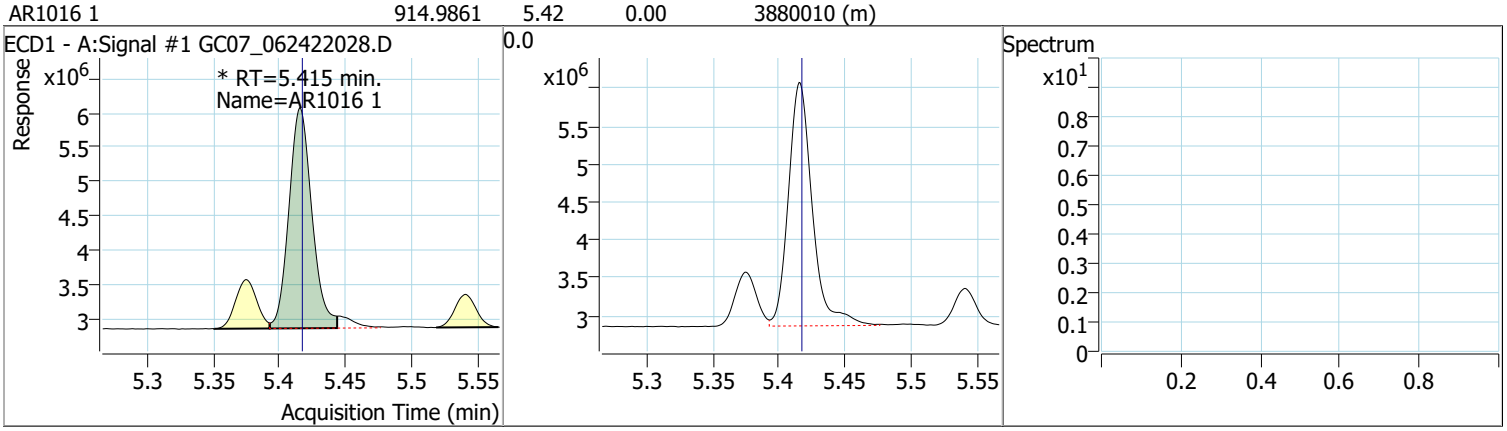
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	37.4830	5.07	0.00	7814287				



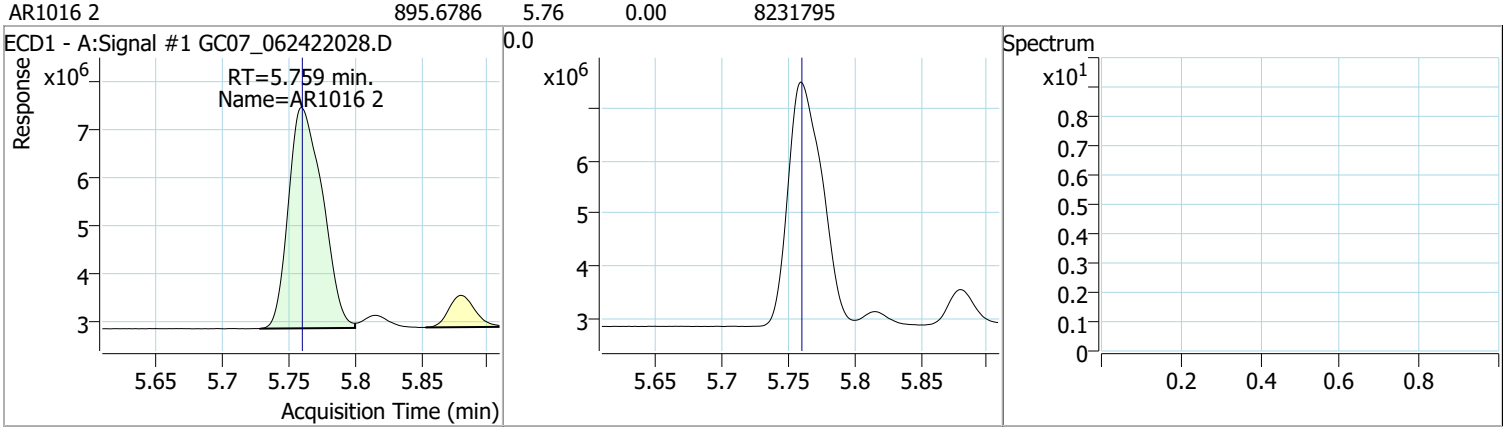
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	39.3414	5.41	0.00	2078089				



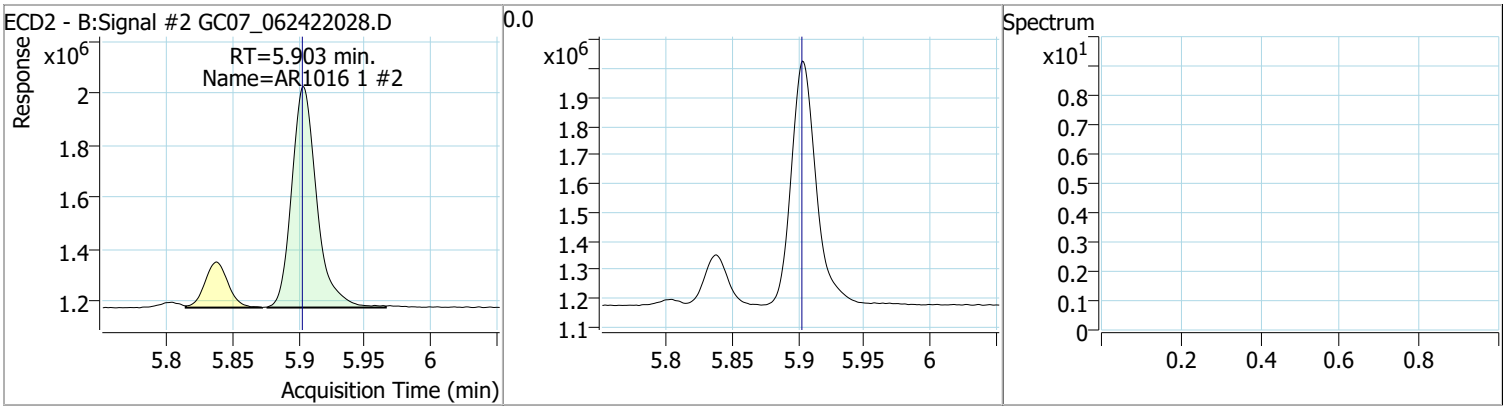
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	914.9861	5.42	0.00	3880010 (m)				



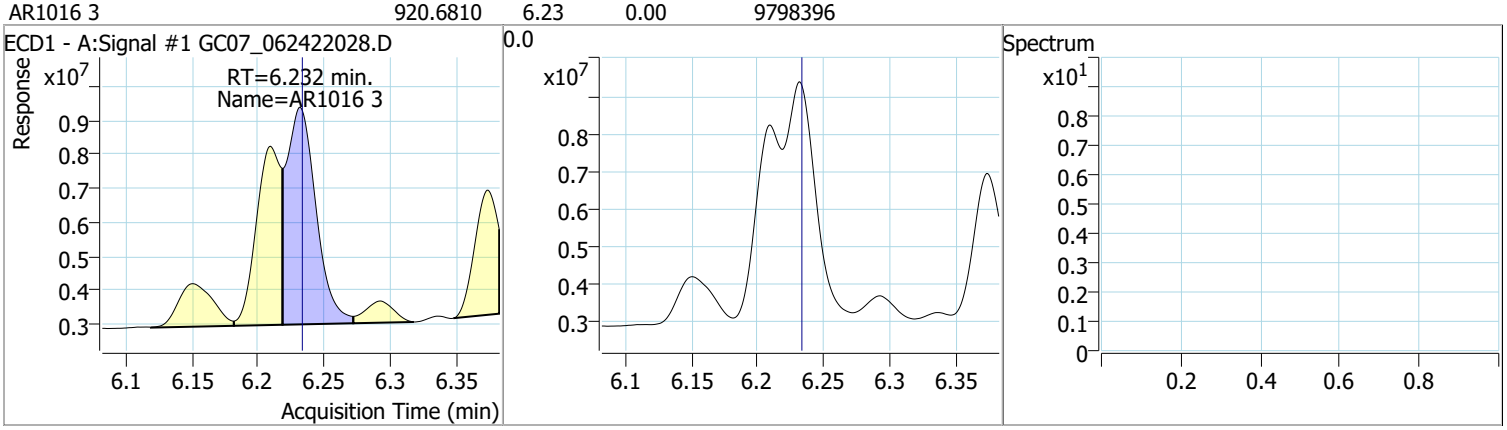
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	895.6786	5.76	0.00	8231795				



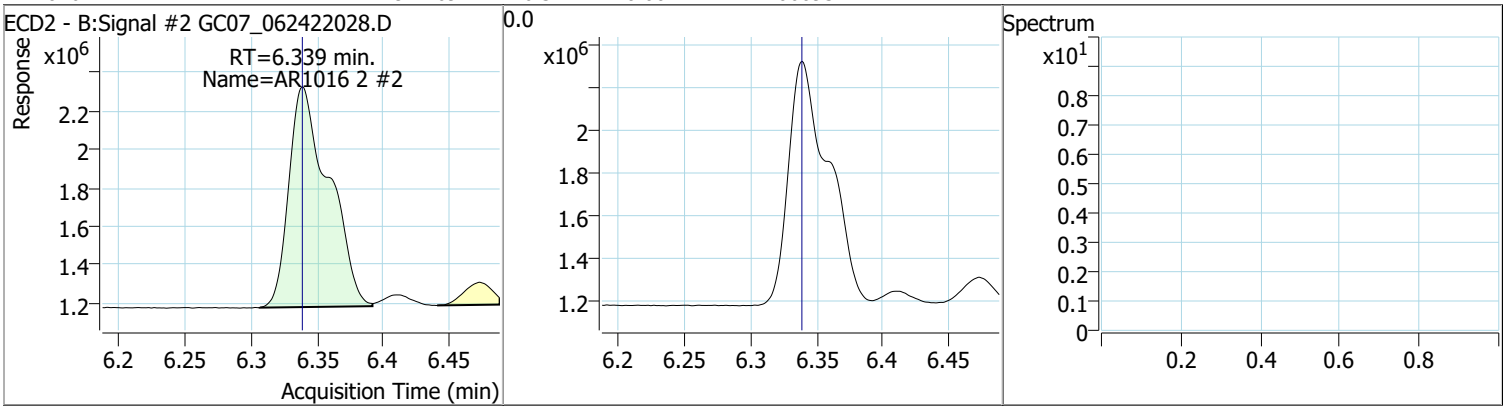
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	956.0373	5.90	0.00	1120598				



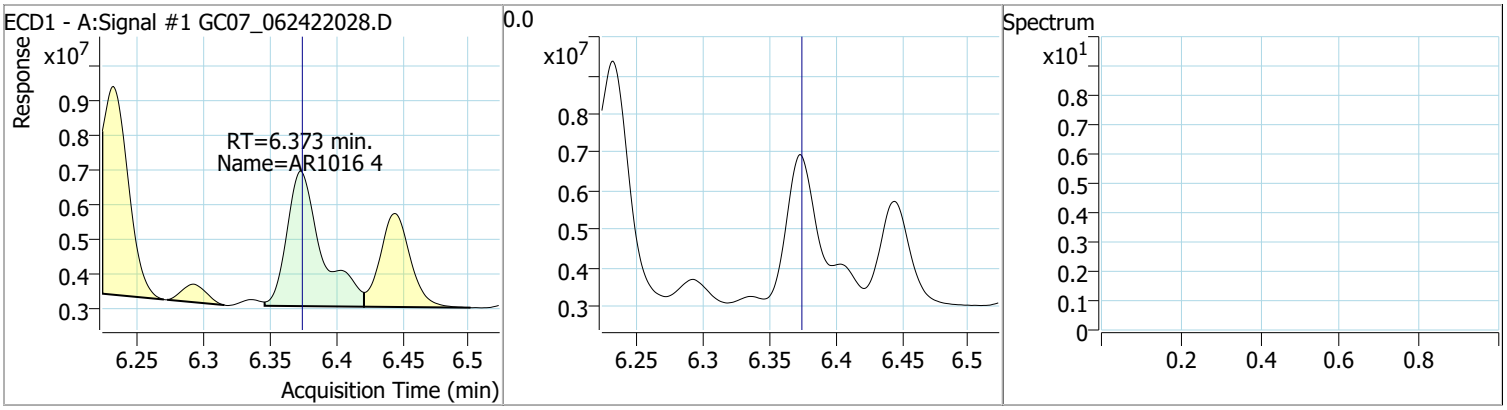
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	920.6810	6.23	0.00	9798396				



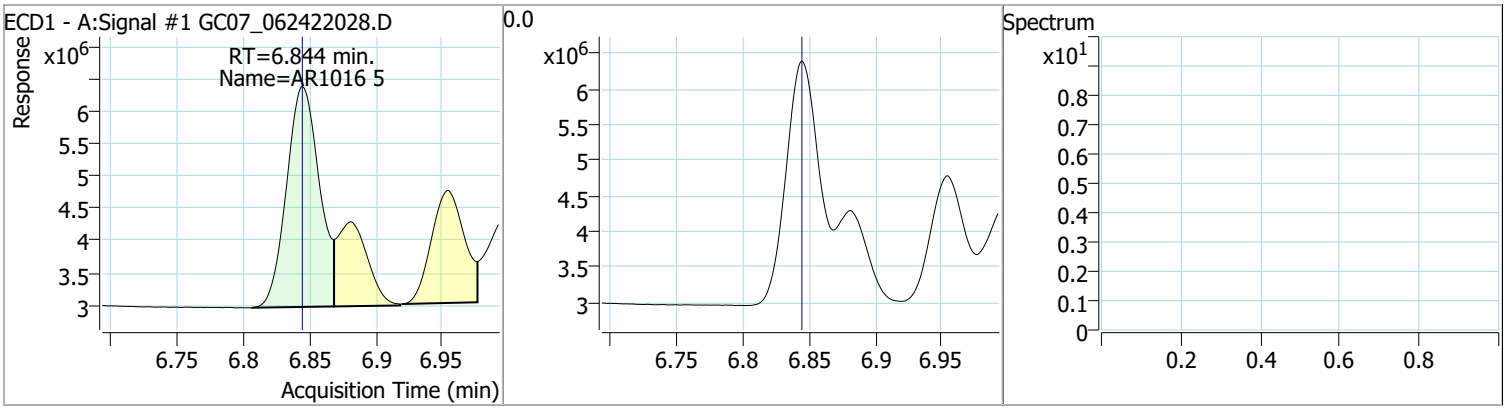
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	942.6971	6.34	0.00	2406093				



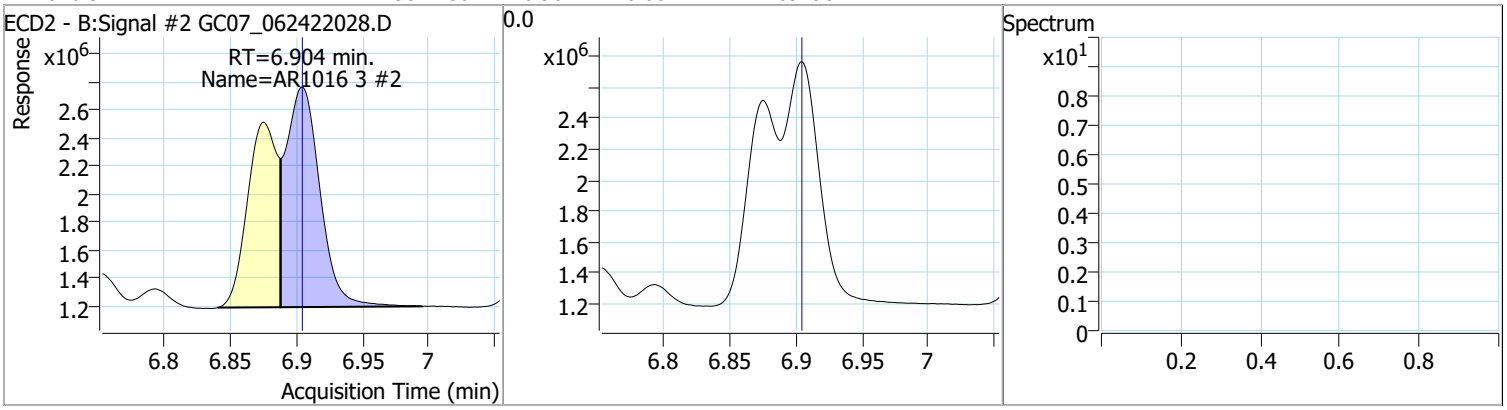
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	932.2062	6.37	0.00	7134339				



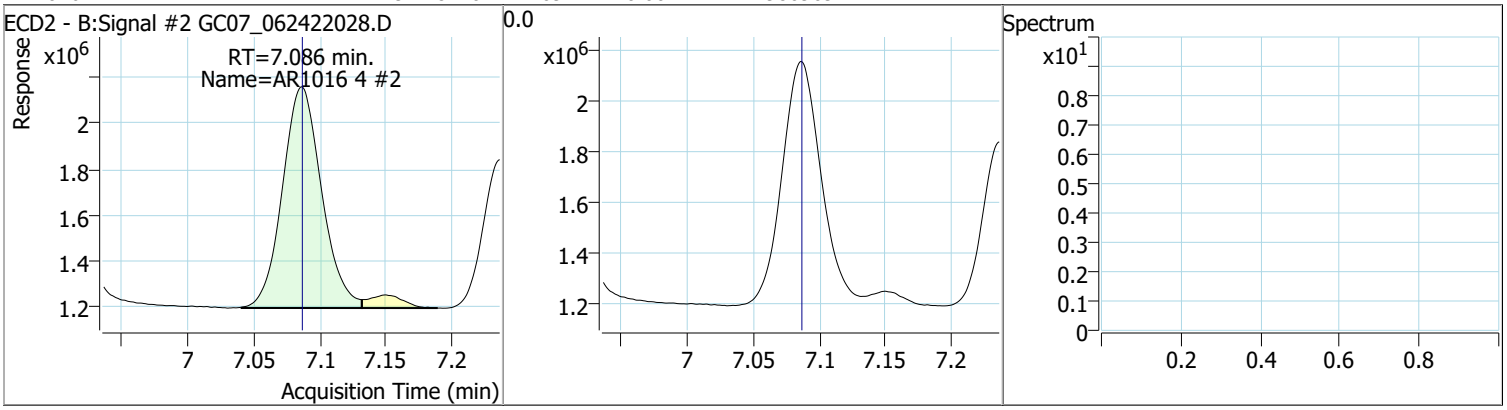
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	926.5065	6.84	0.00	5906326				



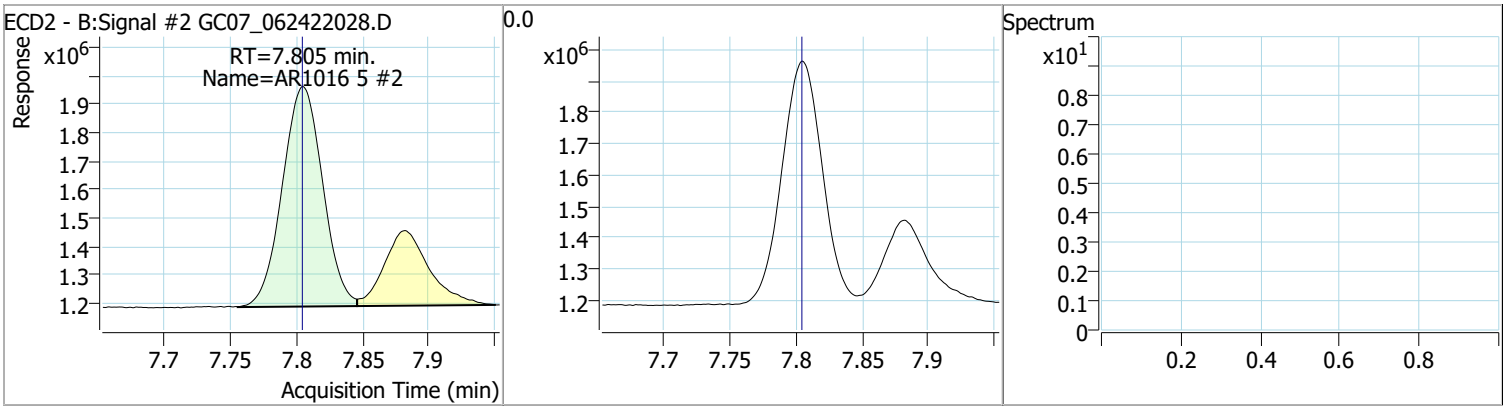
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	952.7862	6.90	0.00	2789498				



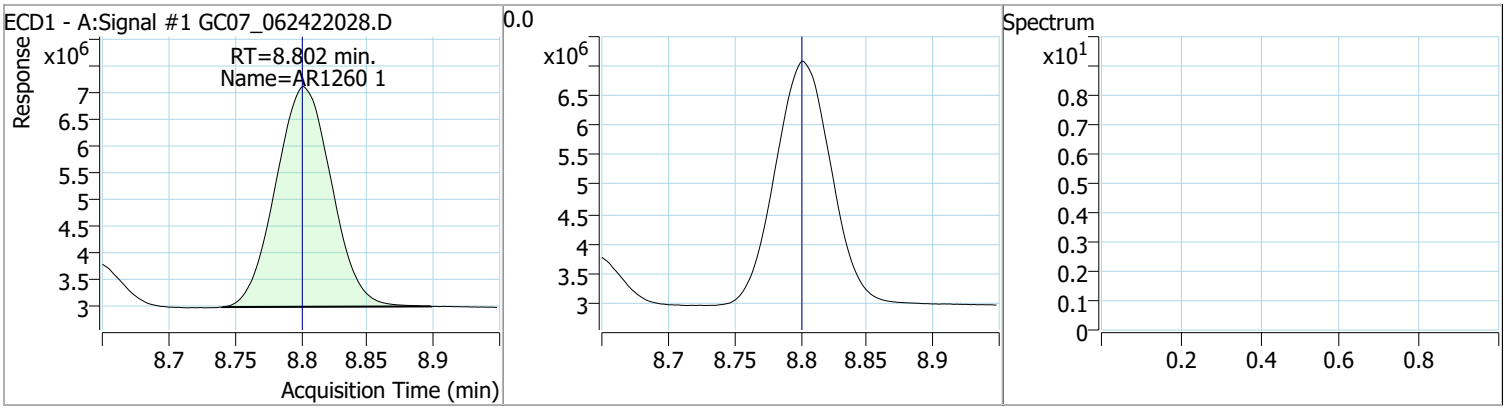
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	974.8710	7.09	0.00	1980909				



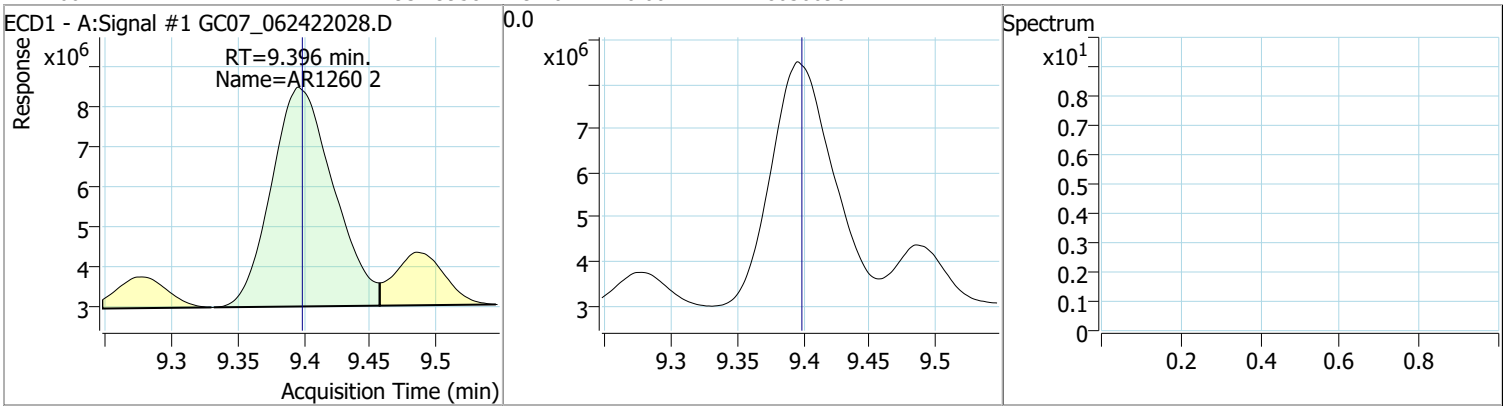
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	963.1093	7.81	0.00	1634773				



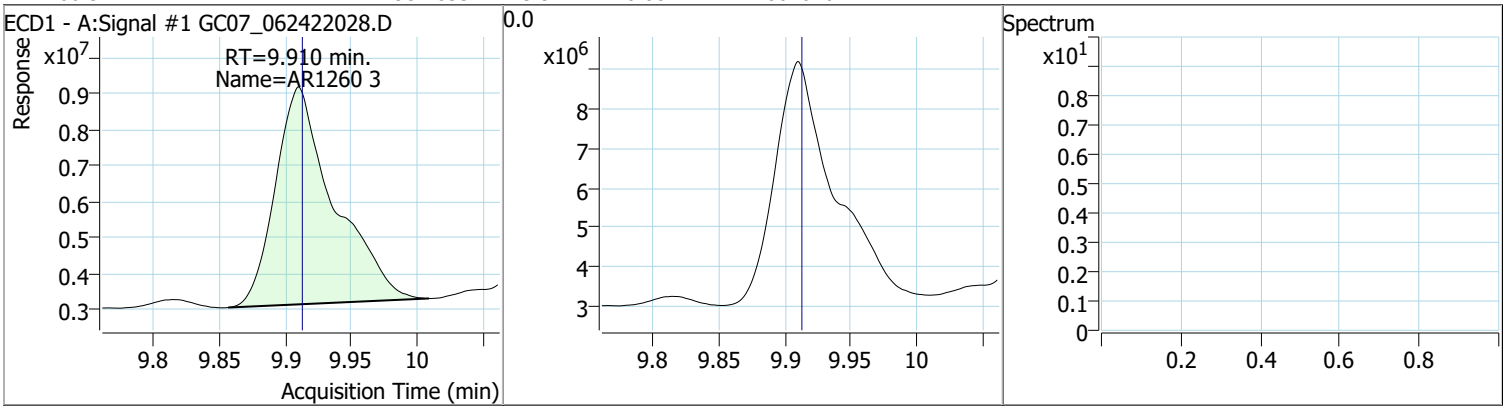
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	902.6463	8.80	0.00	12151493				



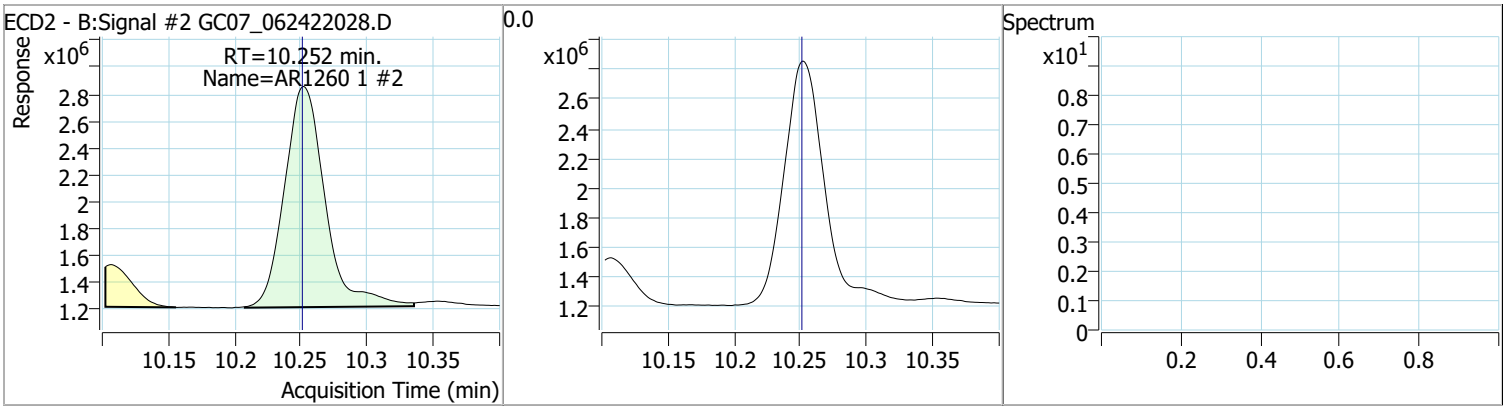
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	932.9958	9.40	0.00	18030090				



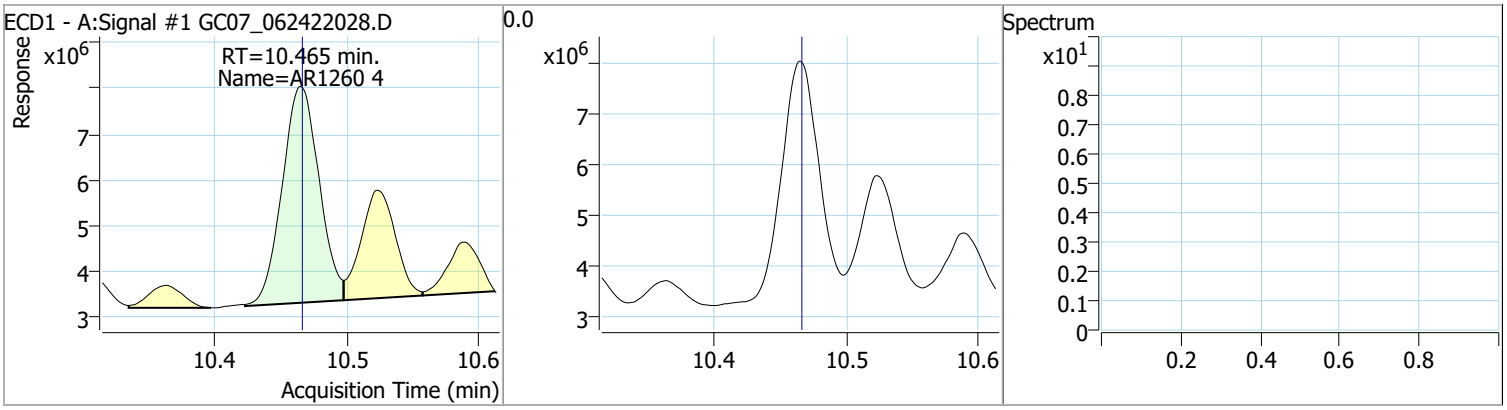
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	951.8337	9.91	0.00	18640207				



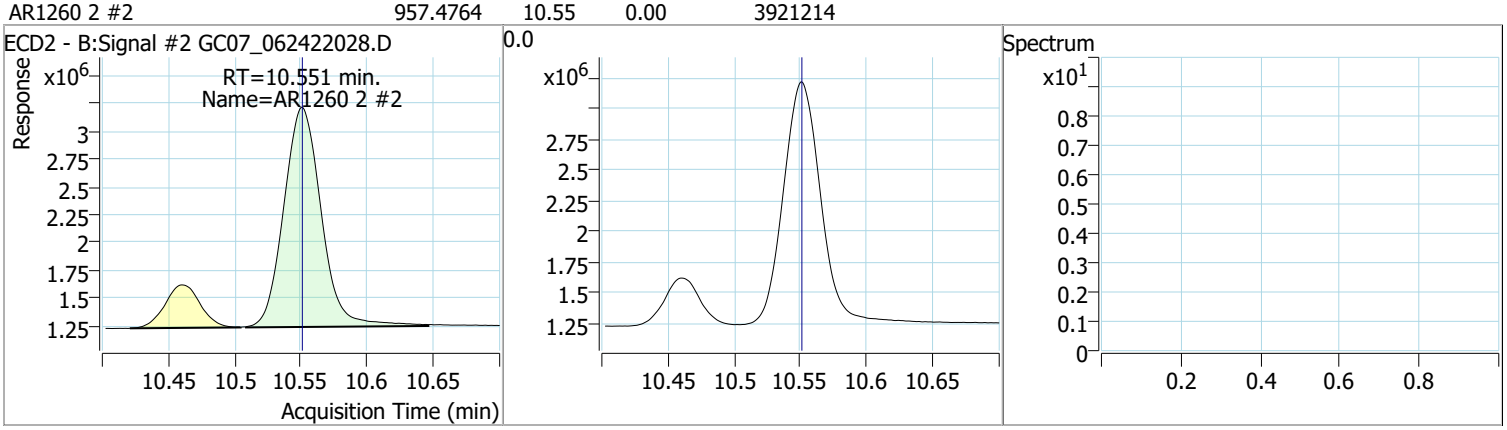
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	955.5756	10.25	0.00	3522415				



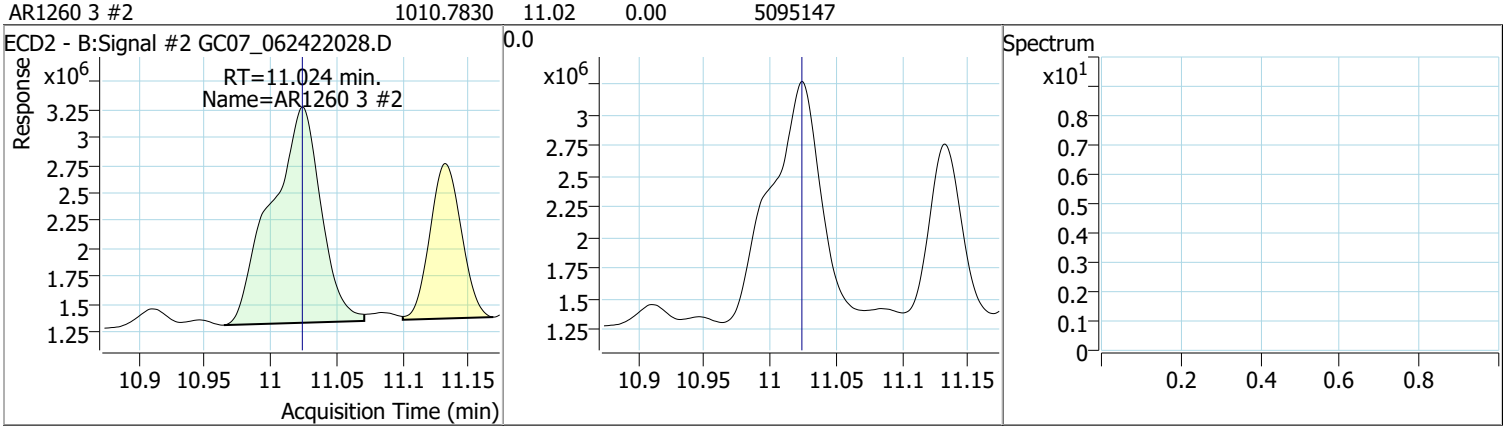
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	922.4963	10.47	0.00	9235324				



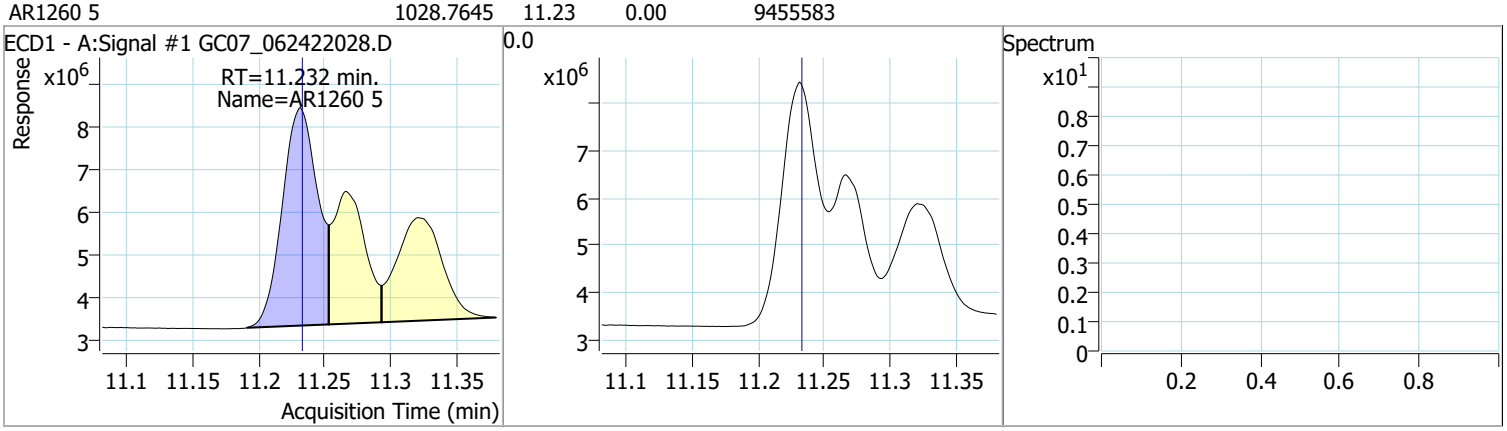
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	957.4764	10.55	0.00	3921214				



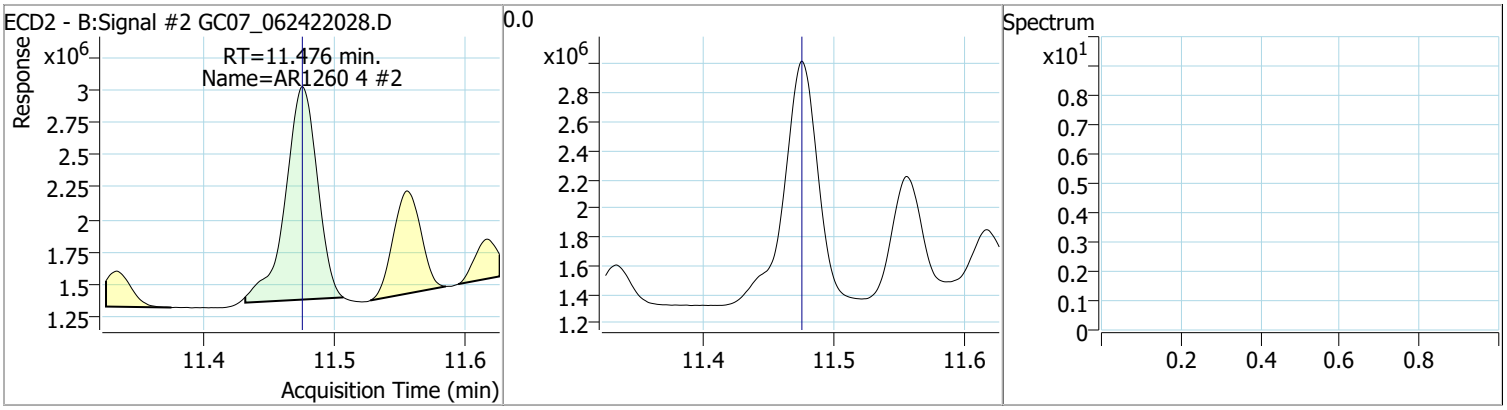
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1010.7830	11.02	0.00	5095147				



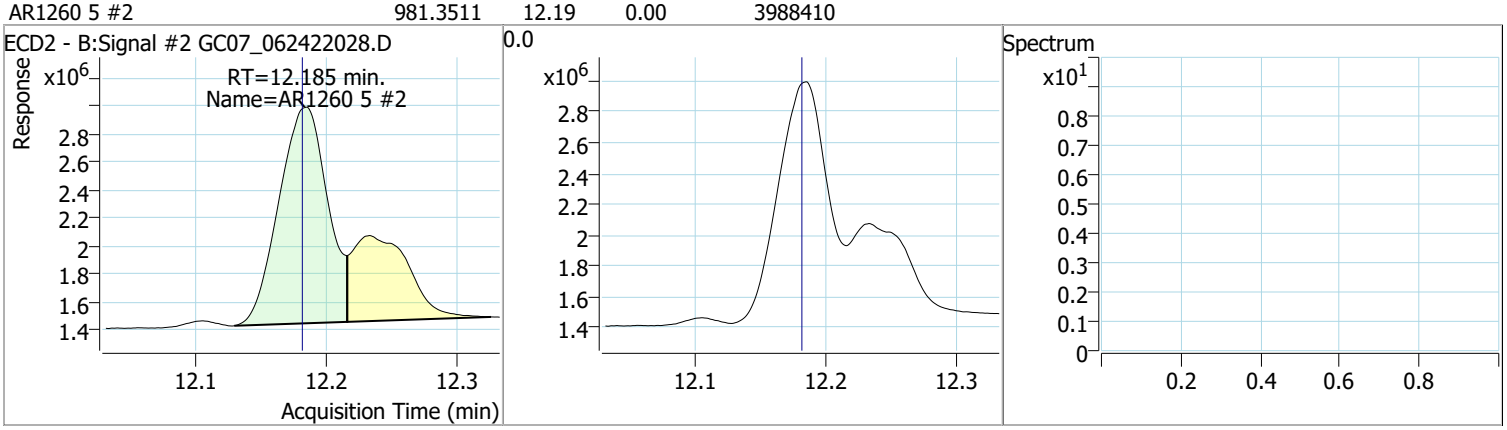
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1028.7645	11.23	0.00	9455583				



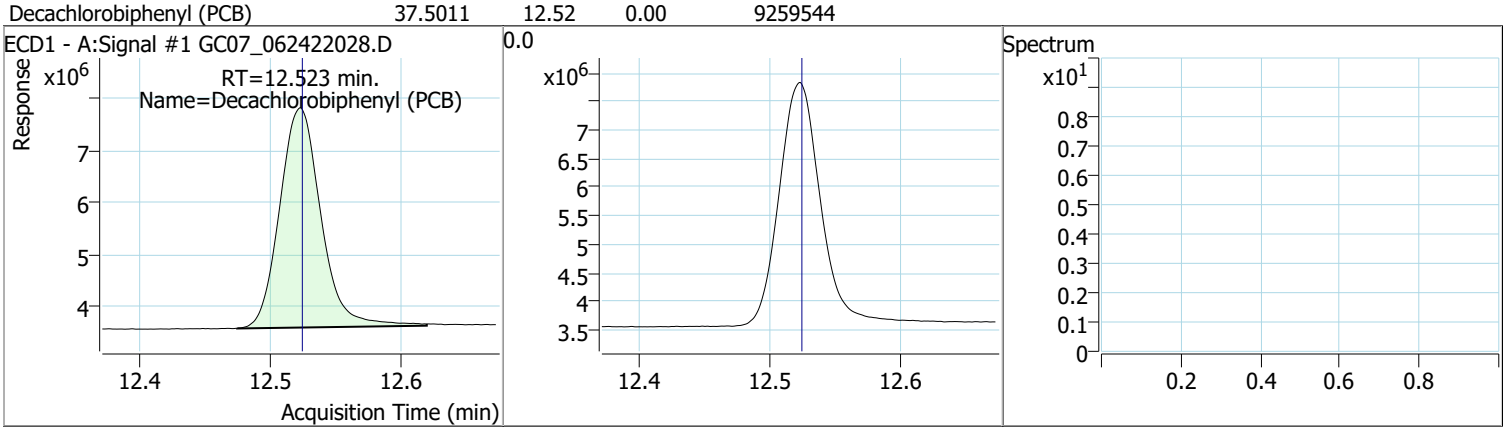
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	979.0076	11.48	0.00	2768820				



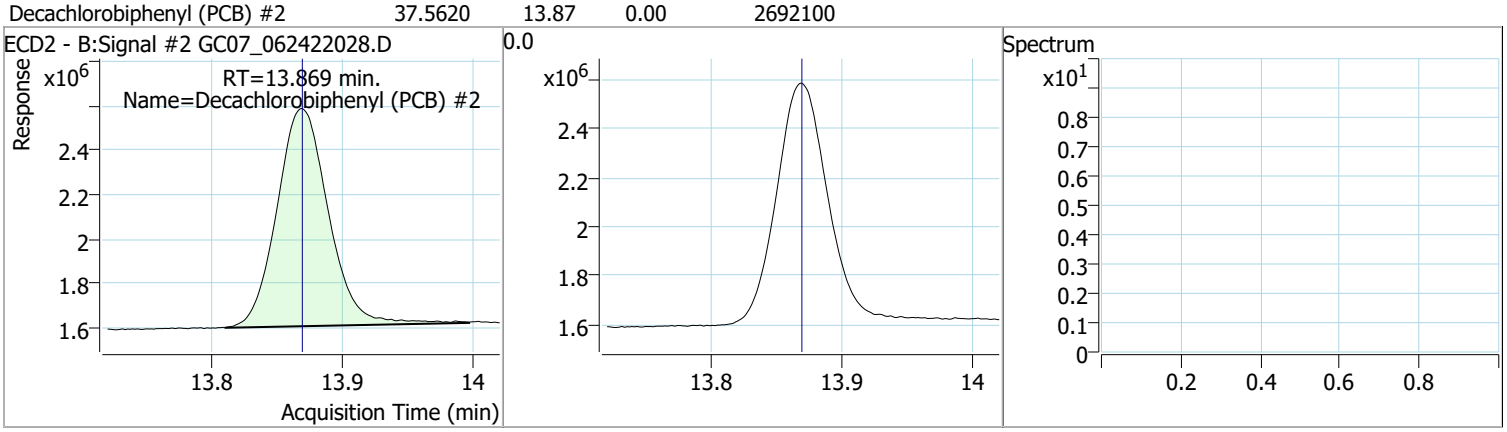
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	981.3511	12.19	0.00	3988410				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	37.5011	12.52	0.00	9259544				

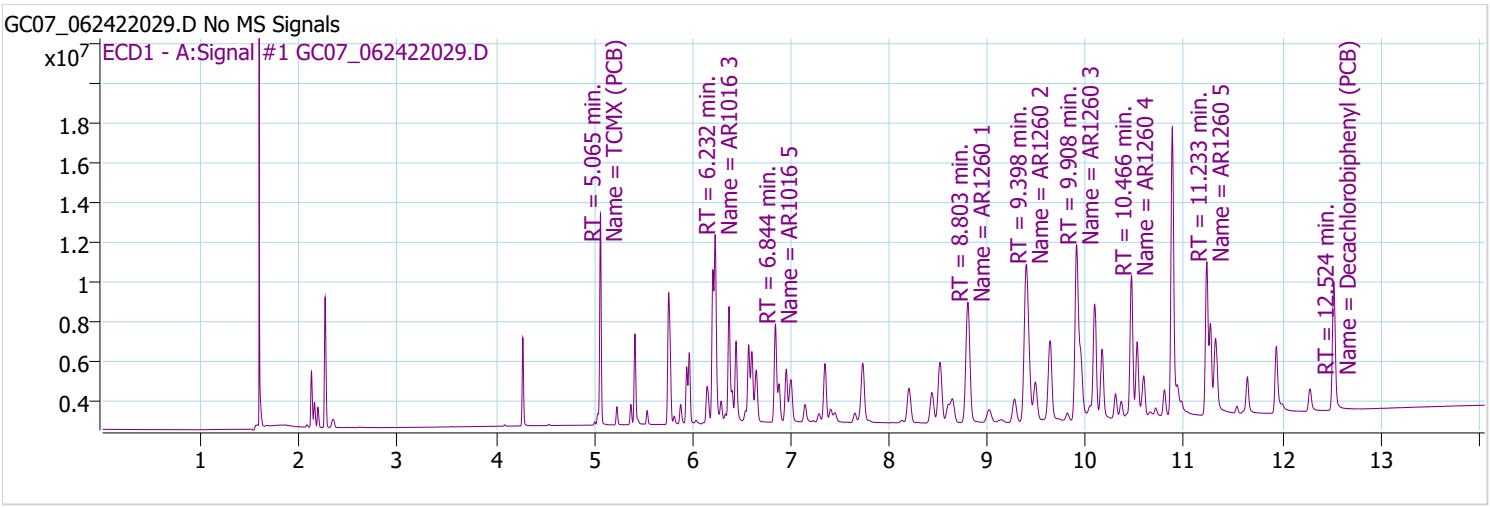


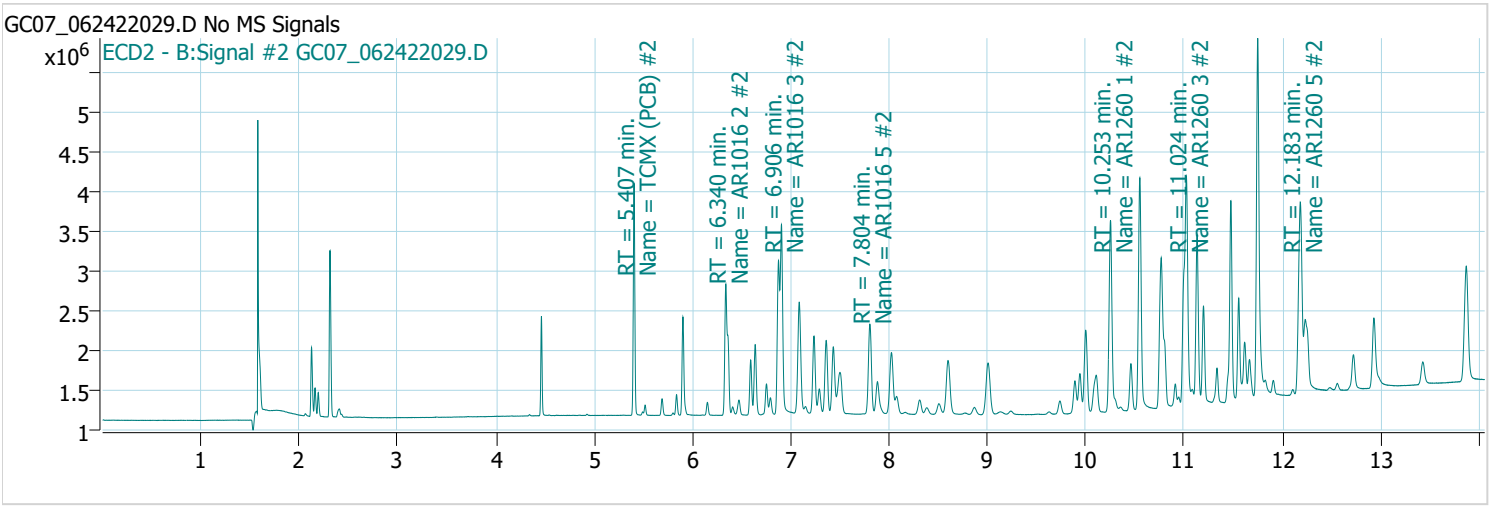
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	37.5620	13.87	0.00	2692100				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422029.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 2:42:11 AM
Sample Name	ICAL, S16726, 1.33	Instrument	SVOA-GC07
Vial	18	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	1500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



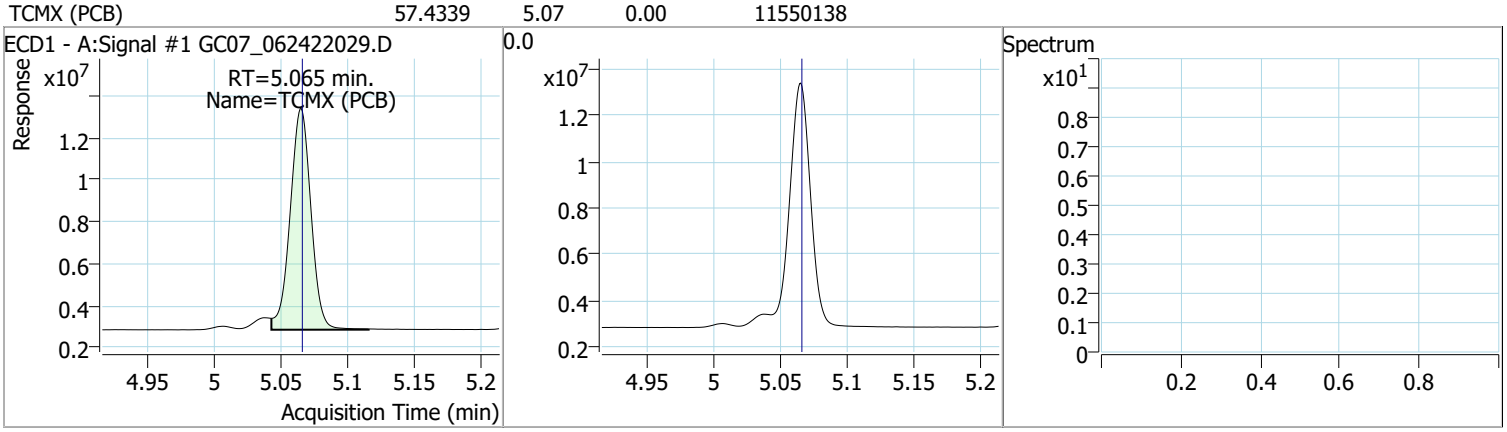


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.276	0.0	4263816.325	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.464	0.0	1124590.024	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.065	0.0	11550138.395	57.4339	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 287.17%		*	
S TCMX (PCB) #2	5.407	0.0	3155269.324	61.8233	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 309.12%		*	
S Decachlorobiphenyl (PCB)	12.524	0.0	13409186.464	56.2981	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 281.49%		*	
S Decachlorobiphenyl (PCB) #2	13.871	0.0	3975161.839	57.4041	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 287.02%		*	
Target Compounds							QValue

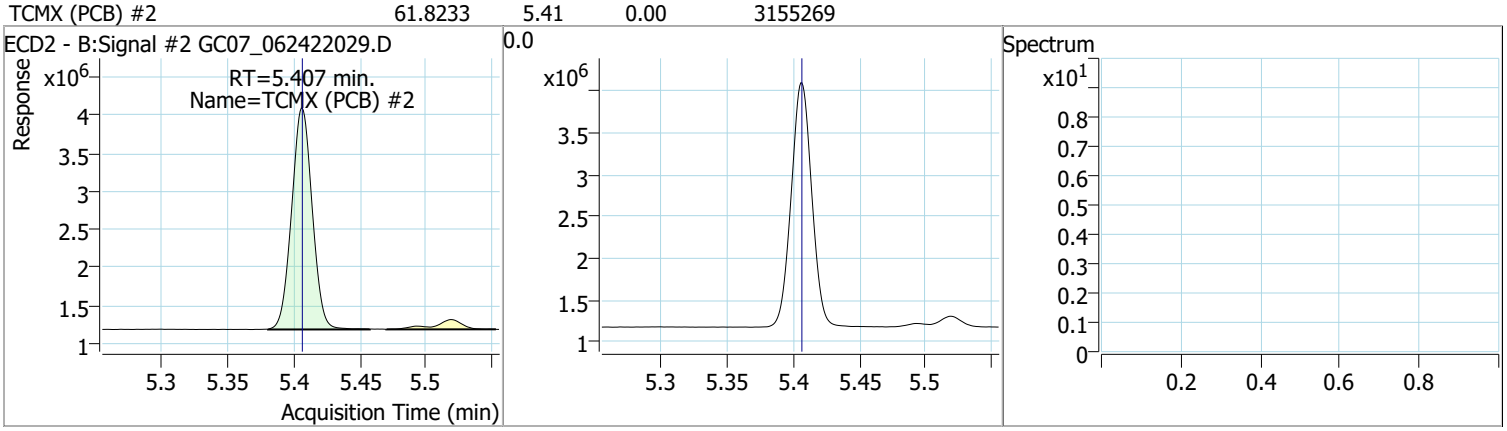
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.416	0.0	5569331.335	1361.5121	ng/ml	m	100
T AR1016 2	5.759	0.0	11740776.165	1324.3149	ng/ml		100
T AR1016 1 #2	5.903	0.0	1649630.487	1456.6039	ng/ml		100
T AR1016 3	6.232	0.0	14345444.160	1397.3492	ng/ml		100
T AR1016 2 #2	6.340	0.0	3519153.248	1427.0129	ng/ml		100
T AR1016 4	6.373	0.0	10172884.119	1377.9680	ng/ml	m	100
T AR1016 5	6.844	0.0	8352834.238	1358.3187	ng/ml		100
T AR1016 3 #2	6.906	0.0	4146580.849	1465.8500	ng/ml		100
T AR1016 4 #2	7.086	0.0	2922966.049	1488.7998	ng/ml		100
T AR1016 5 #2	7.804	0.0	2413964.960	1471.9029	ng/ml		100
T AR1260 1	8.803	0.0	17324159.160	1334.0648	ng/ml		100
T AR1260 2	9.398	0.0	25967953.560	1393.0166	ng/ml		100
T AR1260 3	9.908	0.0	27408889.638	1450.9036	ng/ml		100
T AR1260 1 #2	10.253	0.0	5120287.160	1437.6357	ng/ml		100
T AR1260 4	10.466	0.0	13414288.239	1389.0468	ng/ml		100
T AR1260 2 #2	10.551	0.0	5770452.829	1458.3018	ng/ml		100
T AR1260 3 #2	11.024	0.0	7592679.609	1558.9287	ng/ml		100
T AR1260 5	11.233	0.0	14417231.110	1626.0963	ng/ml		100
T AR1260 4 #2	11.477	0.0	4132961.015	1512.4557	ng/ml		100
T AR1260 5 #2	12.183	0.0	5965821.103	1519.2348	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

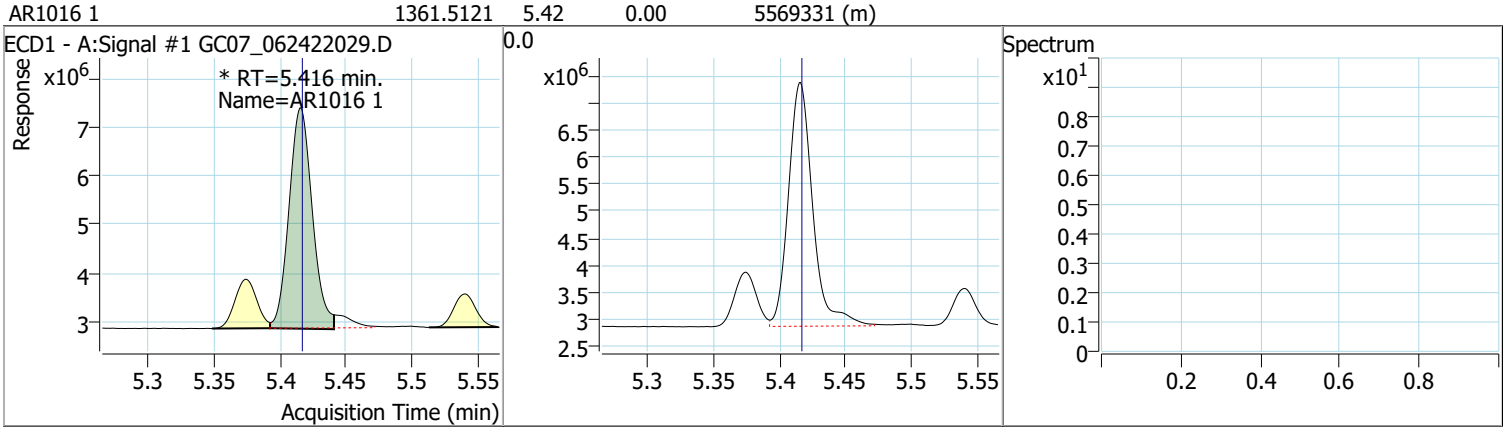
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	57.4339	5.07	0.00	11550138				



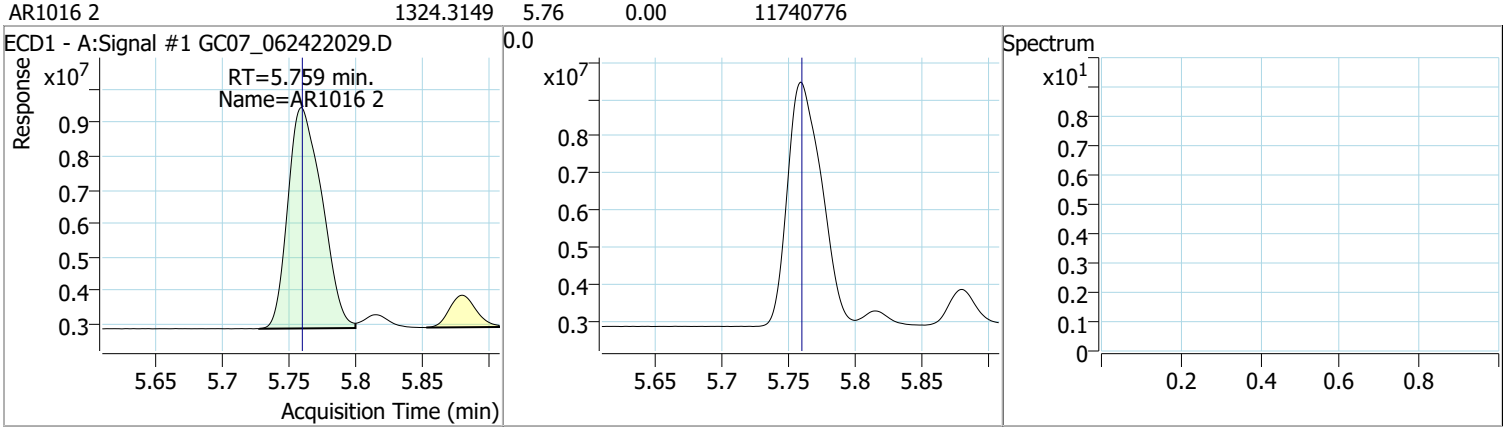
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	61.8233	5.41	0.00	3155269				



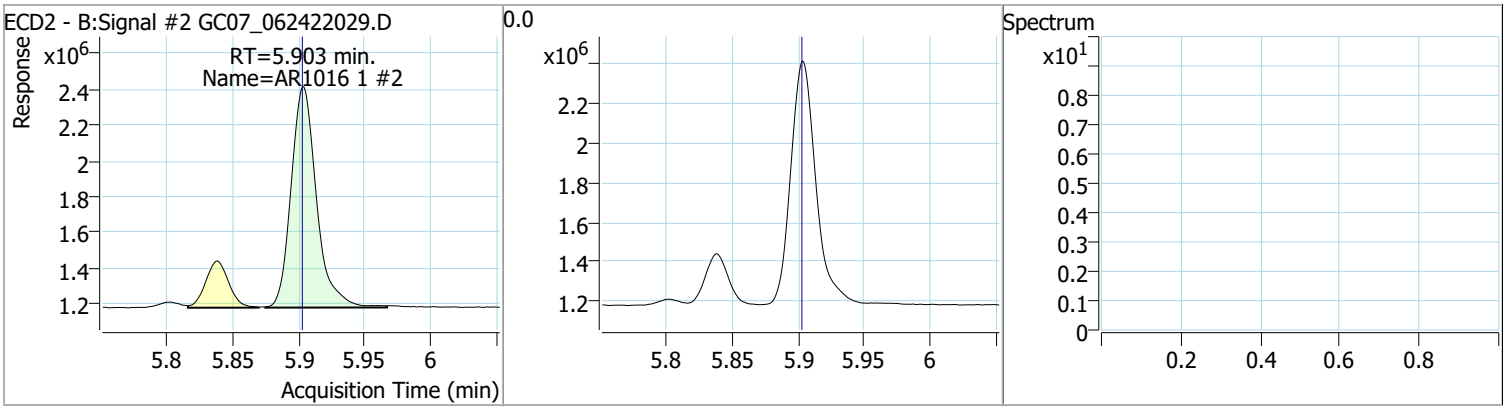
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1361.5121	5.42	0.00	5569331 (m)				



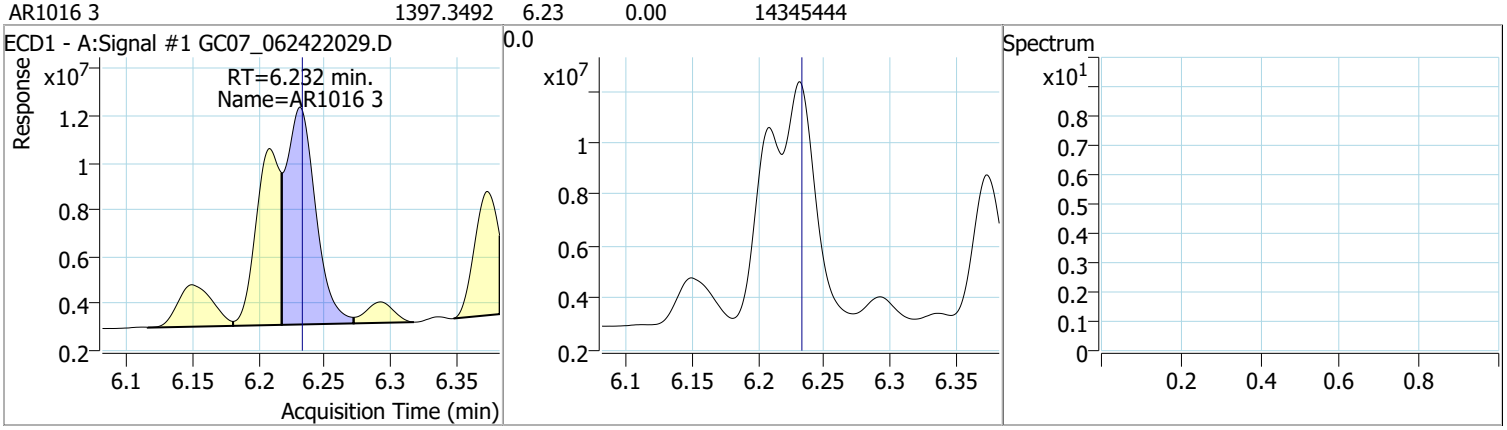
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1324.3149	5.76	0.00	11740776				



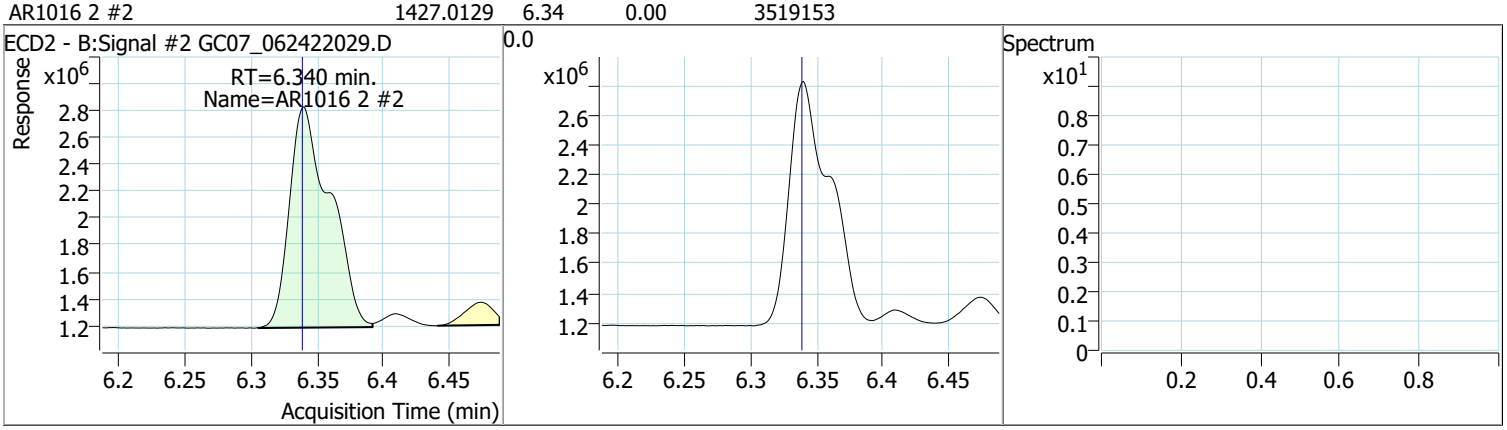
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1456.6039	5.90	0.00	1649630				



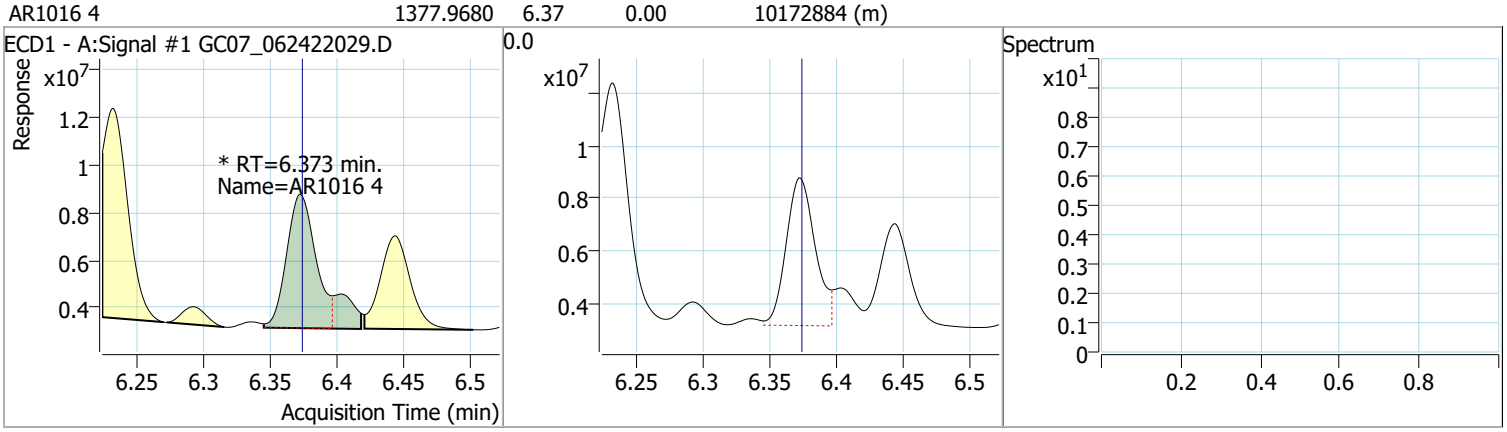
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1397.3492	6.23	0.00	14345444				



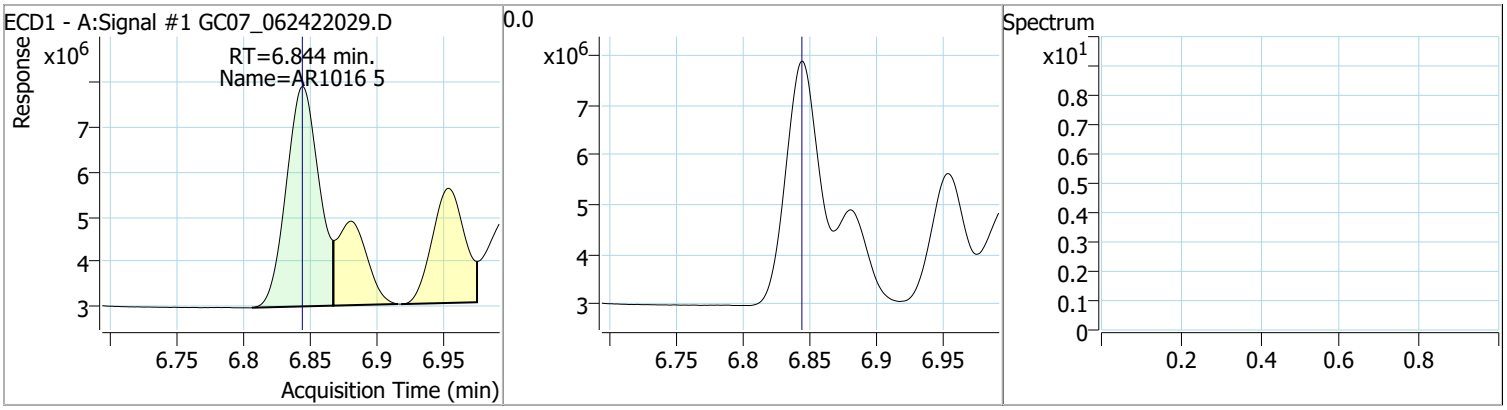
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1427.0129	6.34	0.00	3519153				



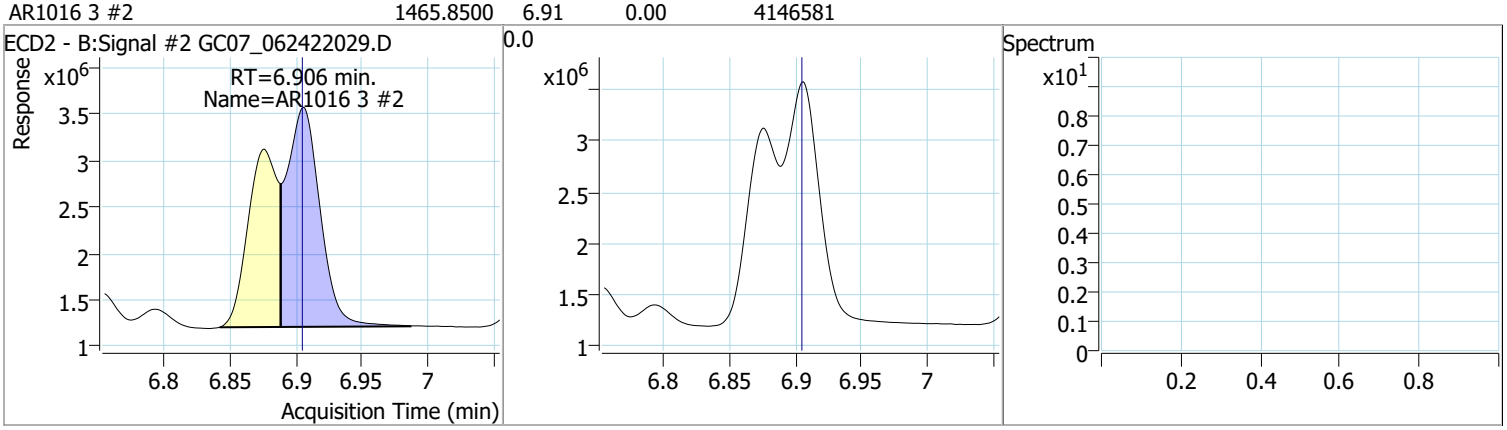
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1377.9680	6.37	0.00	10172884 (m)				



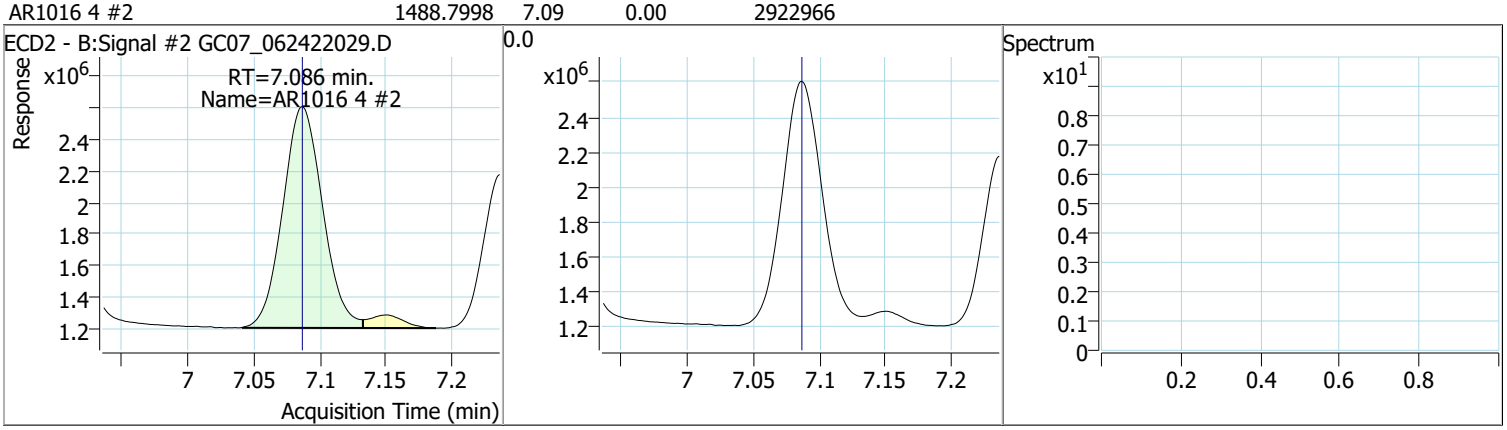
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1358.3187	6.84	0.00	8352834				



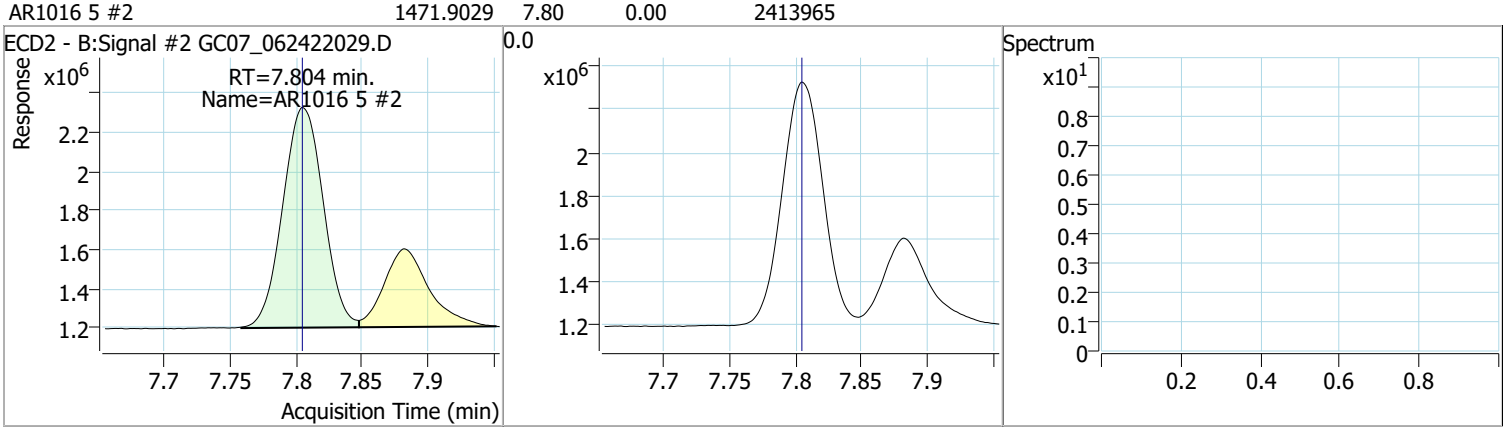
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1465.8500	6.91	0.00	4146581				



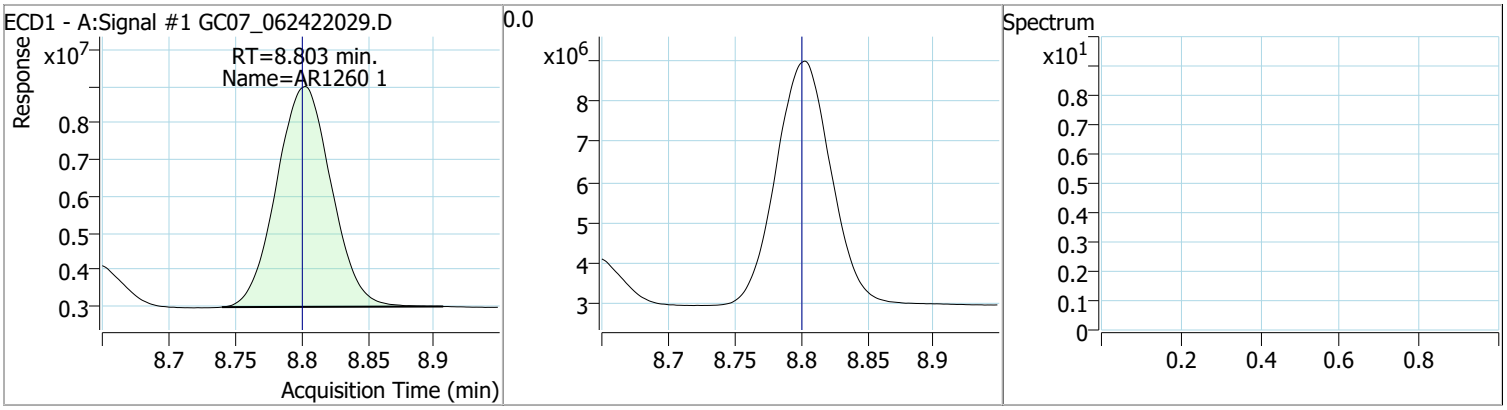
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1488.7998	7.09	0.00	2922966				



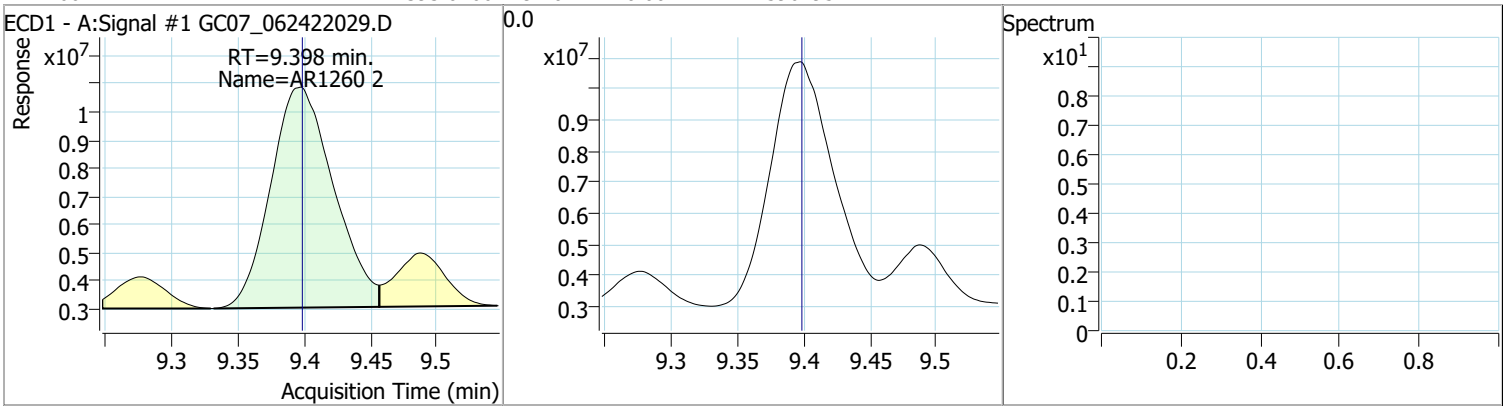
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1471.9029	7.80	0.00	2413965				



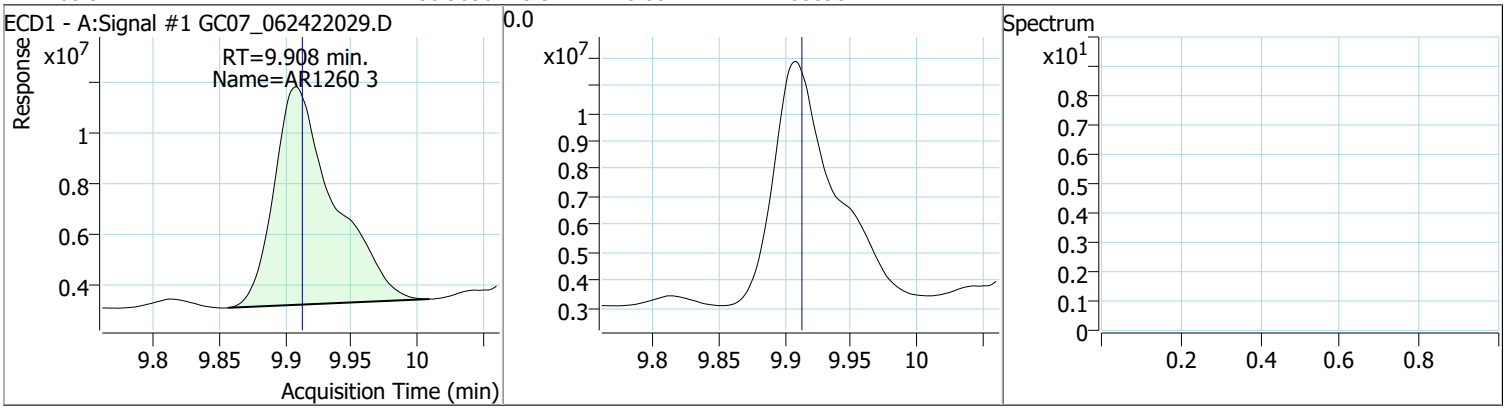
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1334.0648	8.80	0.00	17324159				



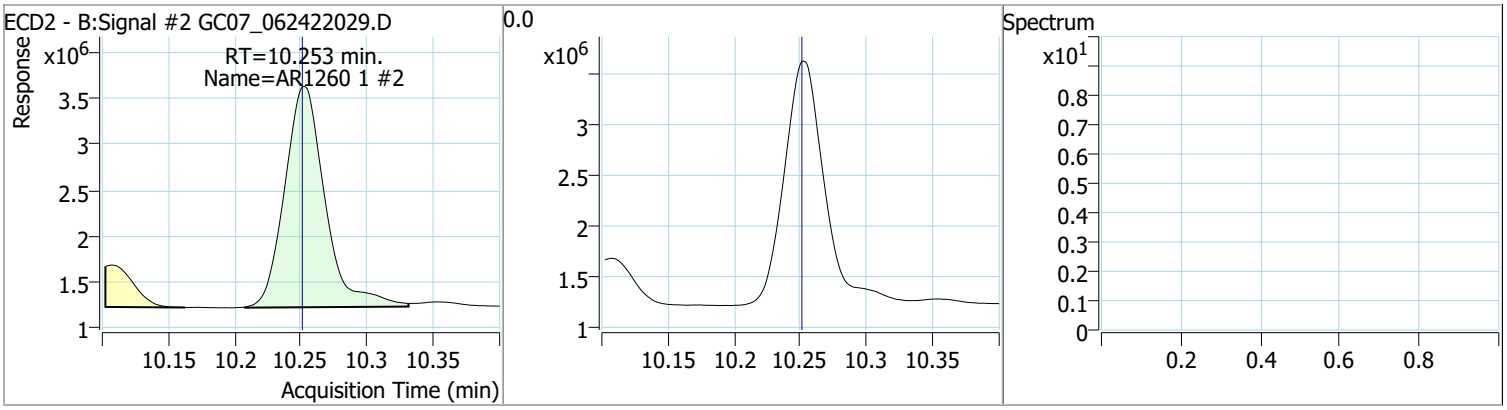
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1393.0166	9.40	0.00	25967954				



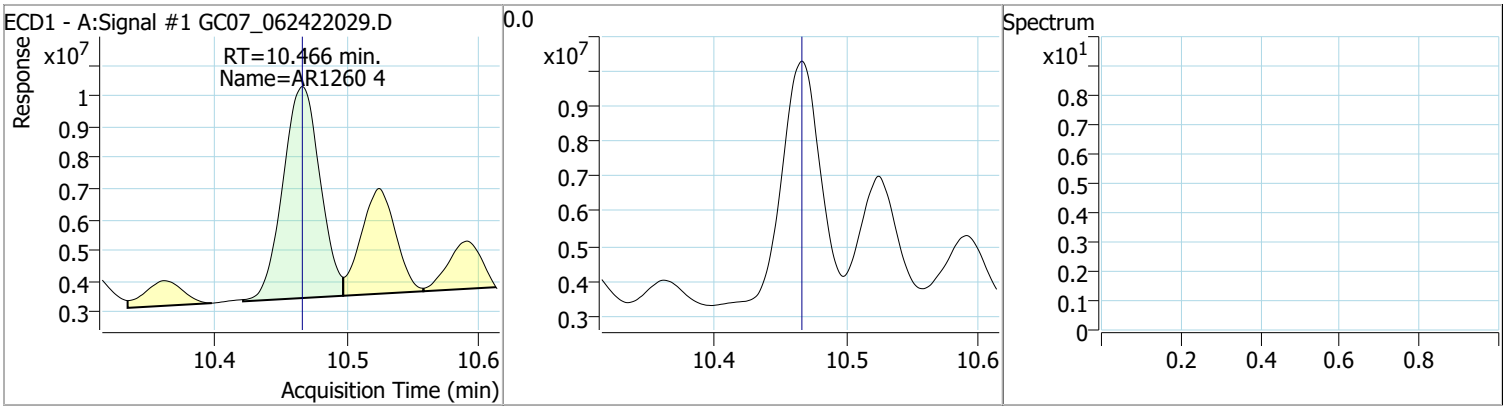
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1450.9036	9.91	0.00	27408890				



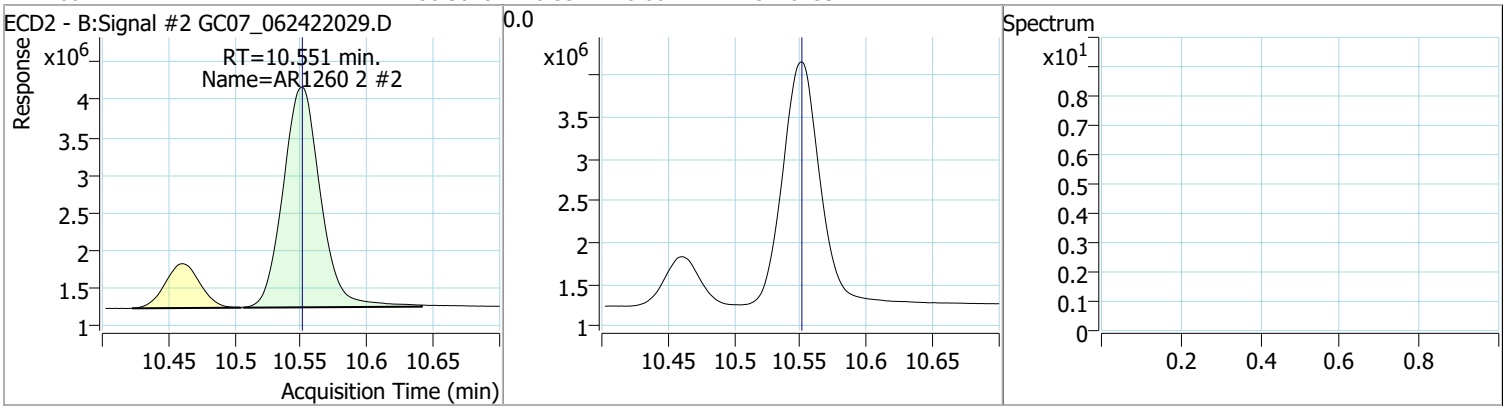
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1437.6357	10.25	0.00	5120287				



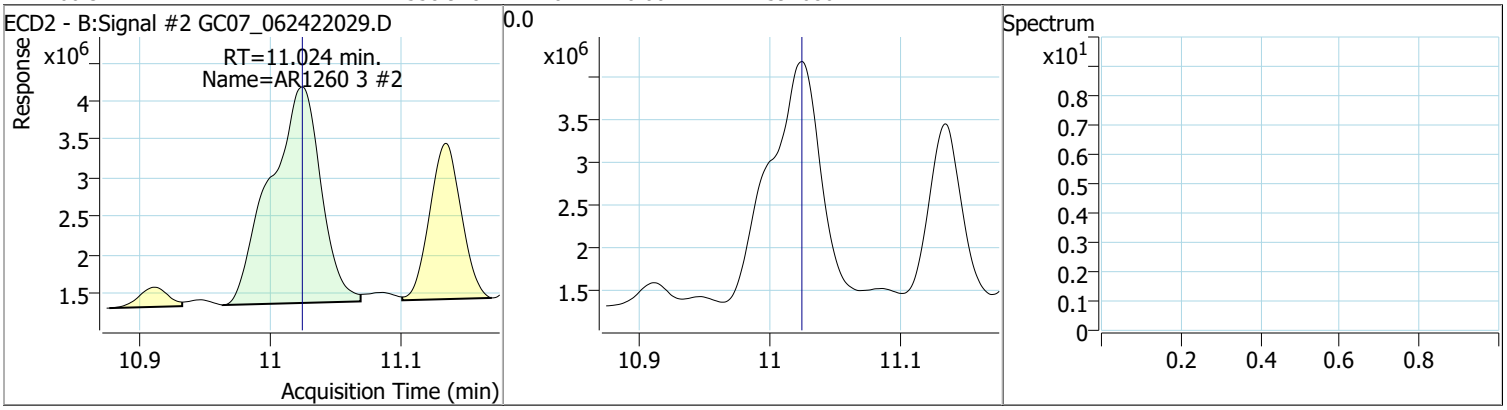
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1389.0468	10.47	0.00	13414288				



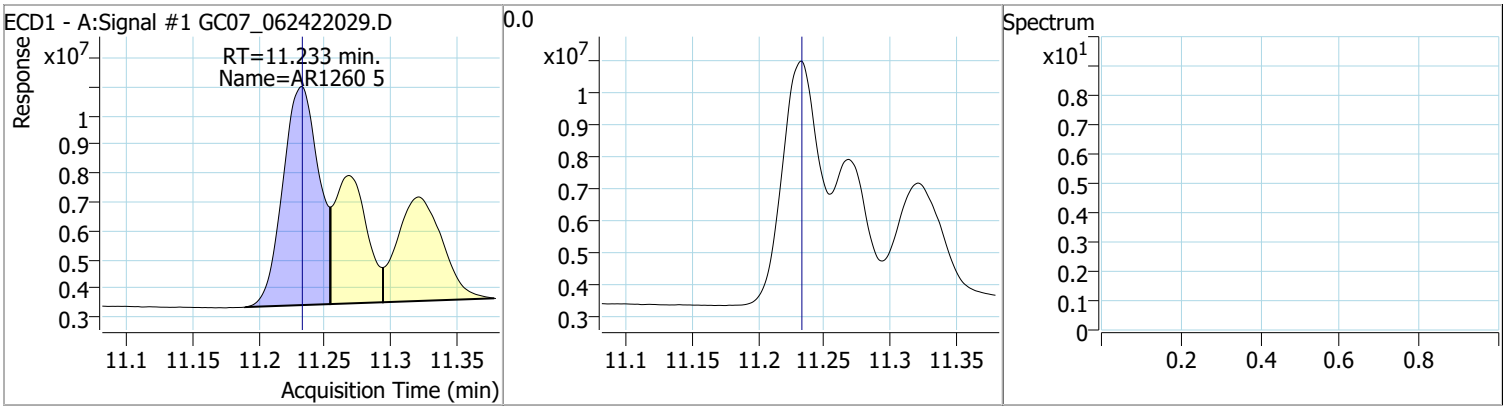
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1458.3018	10.55	0.00	5770453				



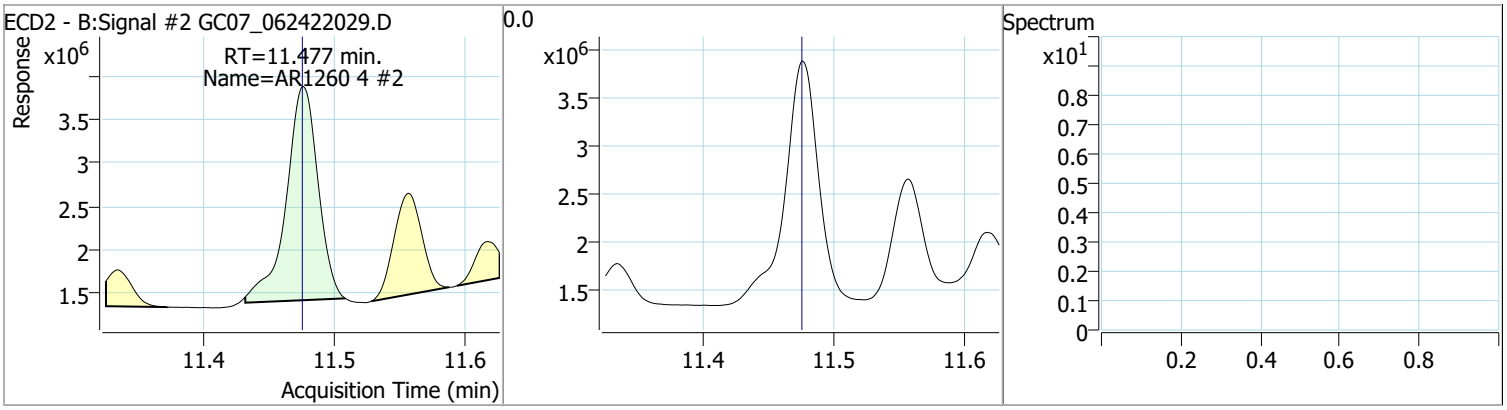
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1558.9287	11.02	0.00	7592680				



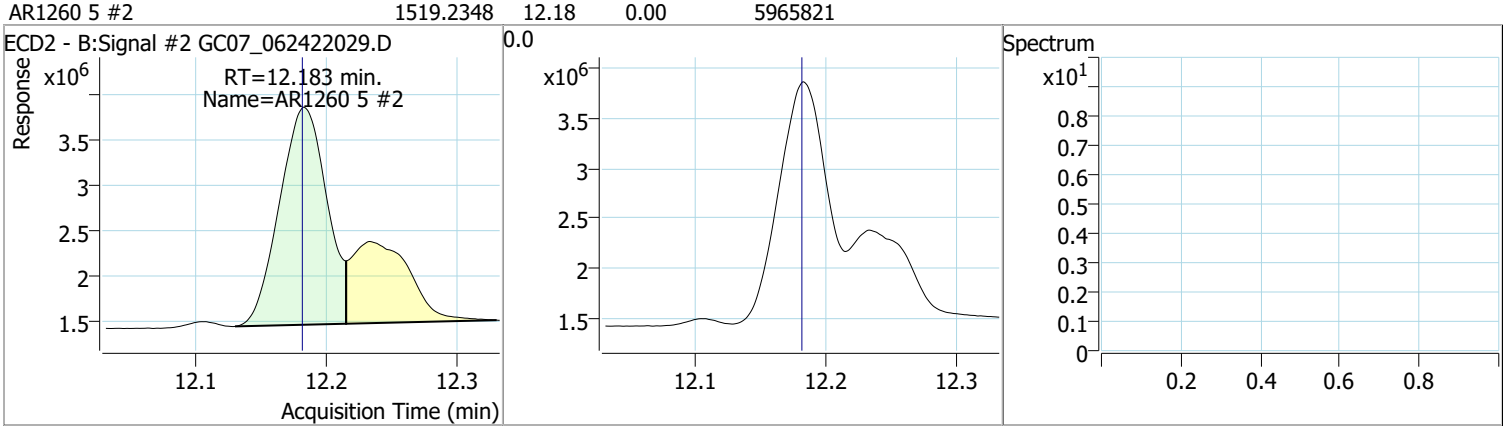
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1626.0963	11.23	0.00	14417231				



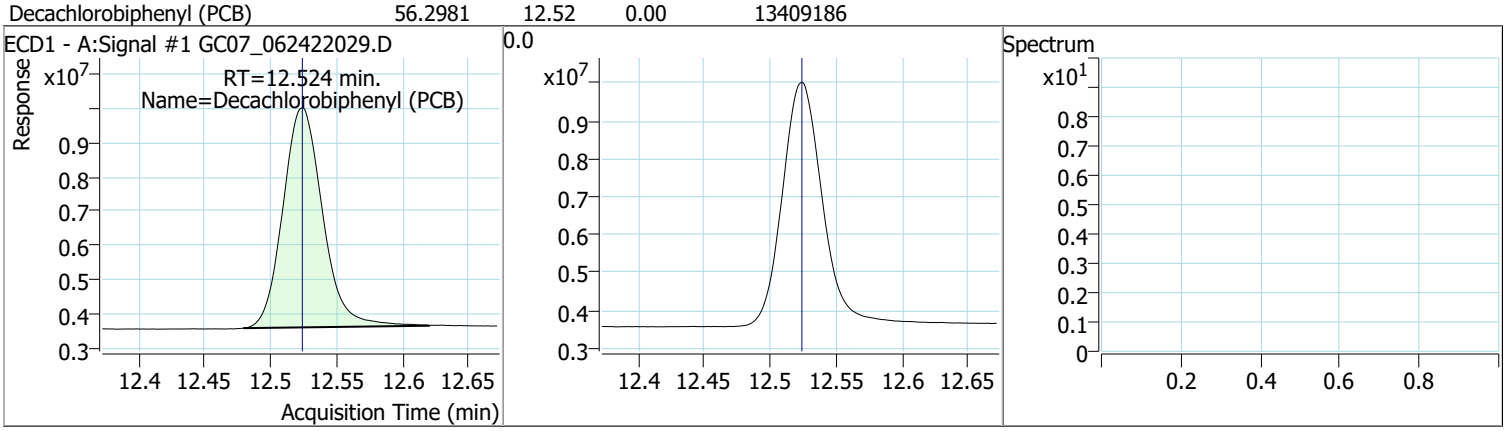
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1512.4557	11.48	0.00	4132961				



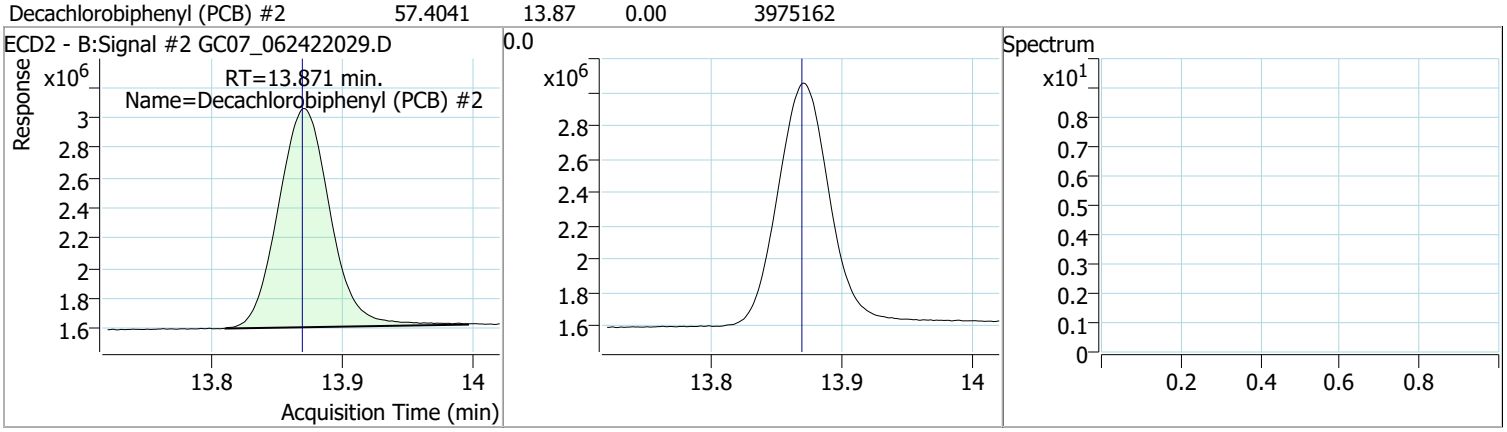
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1519.2348	12.18	0.00	5965821				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	56.2981	12.52	0.00	13409186				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	57.4041	13.87	0.00	3975162				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422030.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 2:59:43 AM
Sample Name	ICAL, S16726, 1	Instrument	SVOA-GC07
Vial	19	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	2000 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
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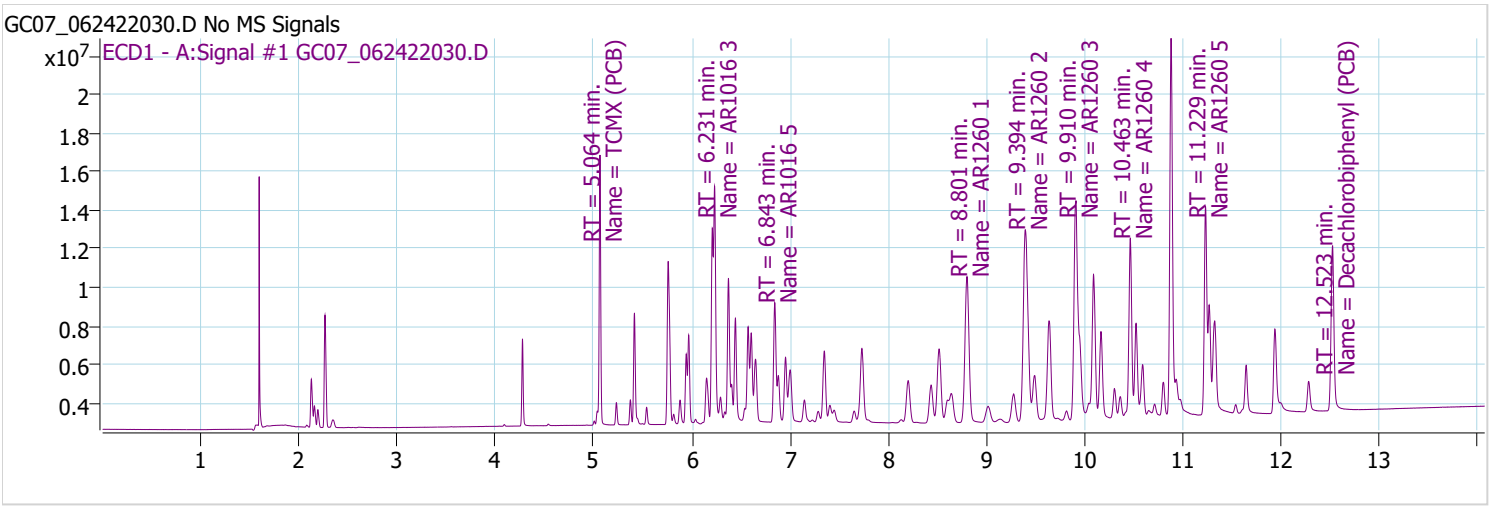
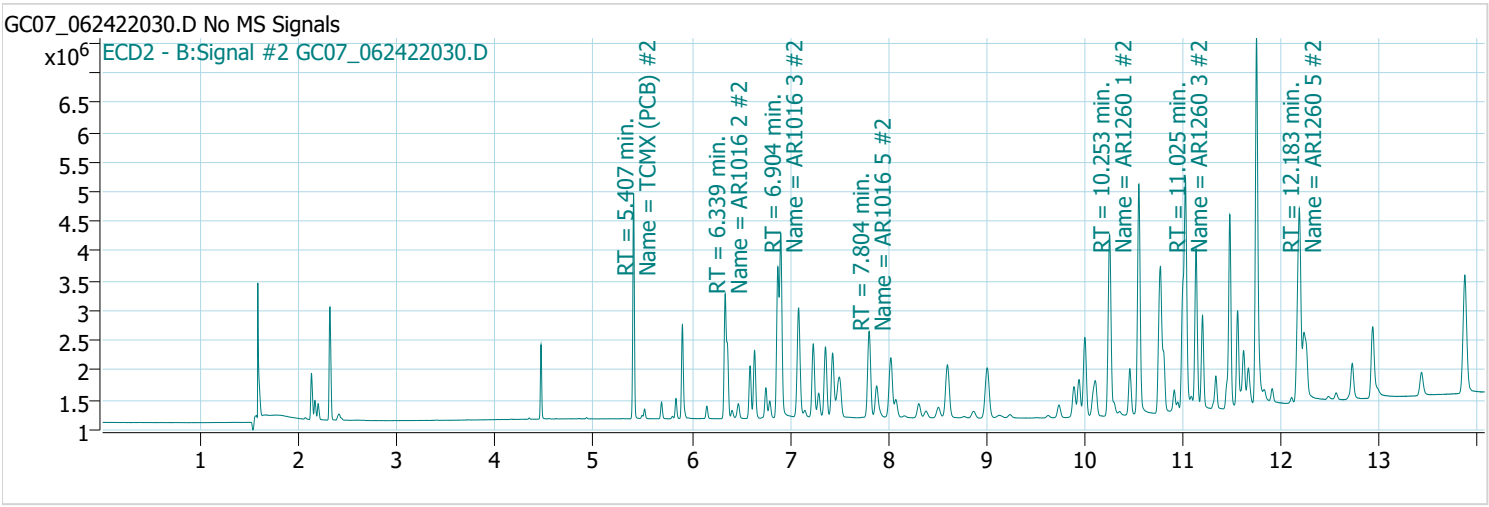


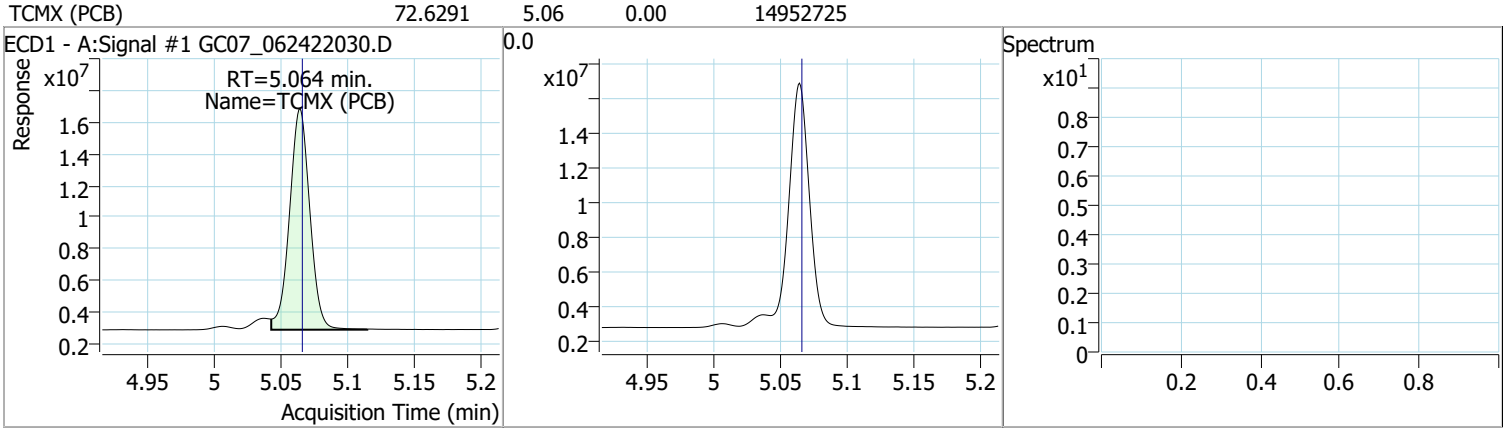


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.276	0.0	4365053.669	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.464	0.0	1150132.386	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.064	0.0	14952724.787	72.6291	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 363.15%		*	
S TCMX (PCB) #2	5.407	0.0	4167605.909	79.8452	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 399.23%		*	
S Decachlorobiphenyl (PCB)	12.523	0.0	17812393.038	73.0503	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 365.25%		*	
S Decachlorobiphenyl (PCB) #2	13.869	0.0	5273262.981	74.4584	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 372.29%		*	
Target Compounds							QValue

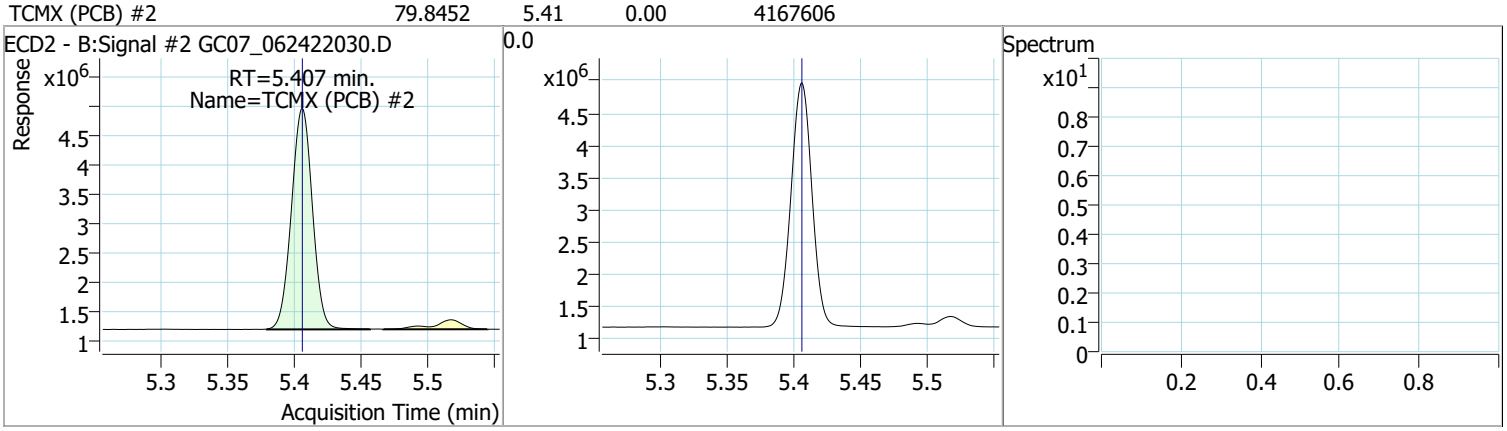
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.415	0.0	7120162.773	1700.2676	ng/ml	m	100
T AR1016 2	5.758	0.0	14810975.461	1631.8755	ng/ml		100
T AR1016 1 #2	5.903	0.0	2120457.254	1830.7570	ng/ml		100
T AR1016 3	6.231	0.0	18039417.481	1716.4153	ng/ml		100
T AR1016 2 #2	6.339	0.0	4491331.880	1780.7840	ng/ml		100
T AR1016 4	6.372	0.0	12967529.525	1715.7784	ng/ml	m	100
T AR1016 5	6.843	0.0	10714001.242	1701.8780	ng/ml		100
T AR1016 3 #2	6.904	0.0	5410319.720	1870.1167	ng/ml		100
T AR1016 4 #2	7.087	0.0	3770733.516	1877.9532	ng/ml		100
T AR1016 5 #2	7.804	0.0	3114359.024	1856.7920	ng/ml		100
T AR1260 1	8.801	0.0	21787980.965	1638.8931	ng/ml		100
T AR1260 2	9.394	0.0	32917120.413	1724.8420	ng/ml		100
T AR1260 3	9.910	0.0	35506795.463	1835.9781	ng/ml		100
T AR1260 1 #2	10.253	0.0	6584362.429	1807.6512	ng/ml		100
T AR1260 4	10.463	0.0	17362852.581	1756.2212	ng/ml		100
T AR1260 2 #2	10.550	0.0	7387670.504	1825.5404	ng/ml		100
T AR1260 3 #2	11.025	0.0	9880982.766	1983.7079	ng/ml		100
T AR1260 5	11.229	0.0	19446571.916	2142.4779	ng/ml		100
T AR1260 4 #2	11.476	0.0	5317223.956	1902.6228	ng/ml		100
T AR1260 5 #2	12.183	0.0	7951541.912	1979.9418	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

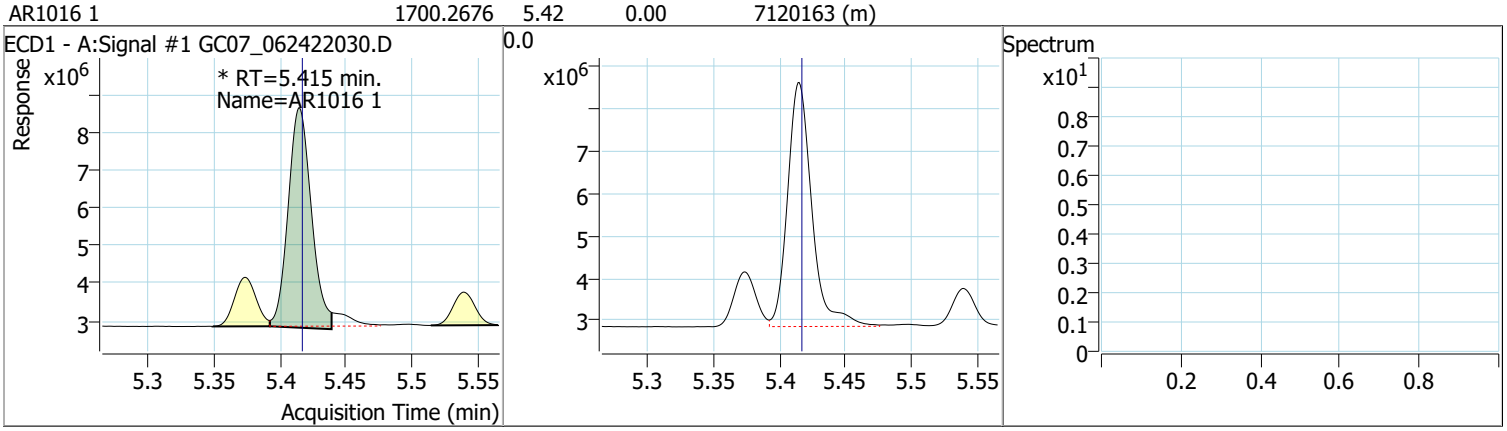
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	72.6291	5.06	0.00	14952725				



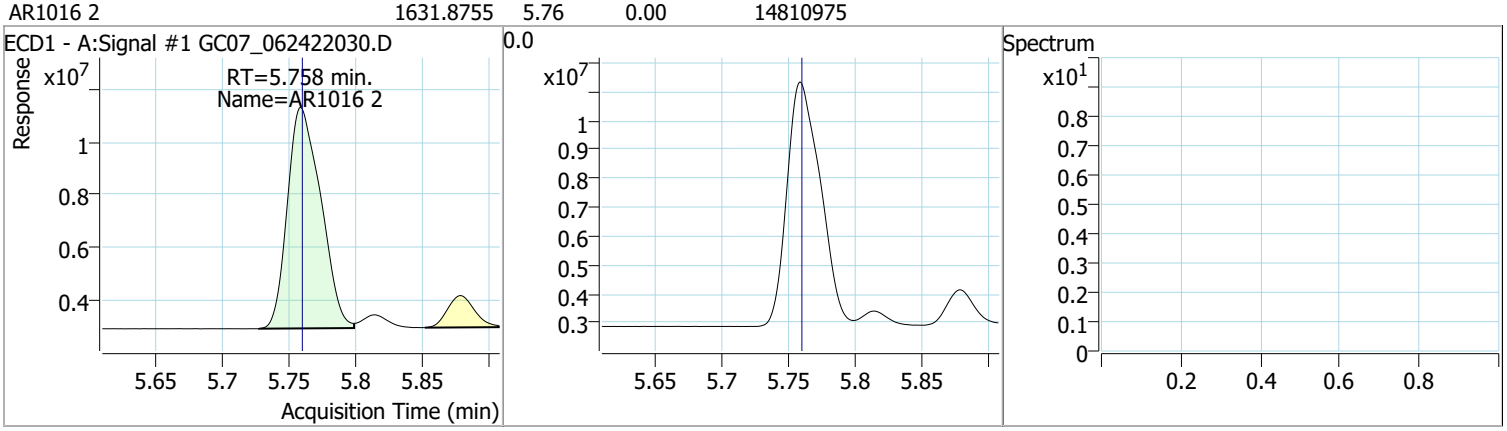
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	79.8452	5.41	0.00	4167606				



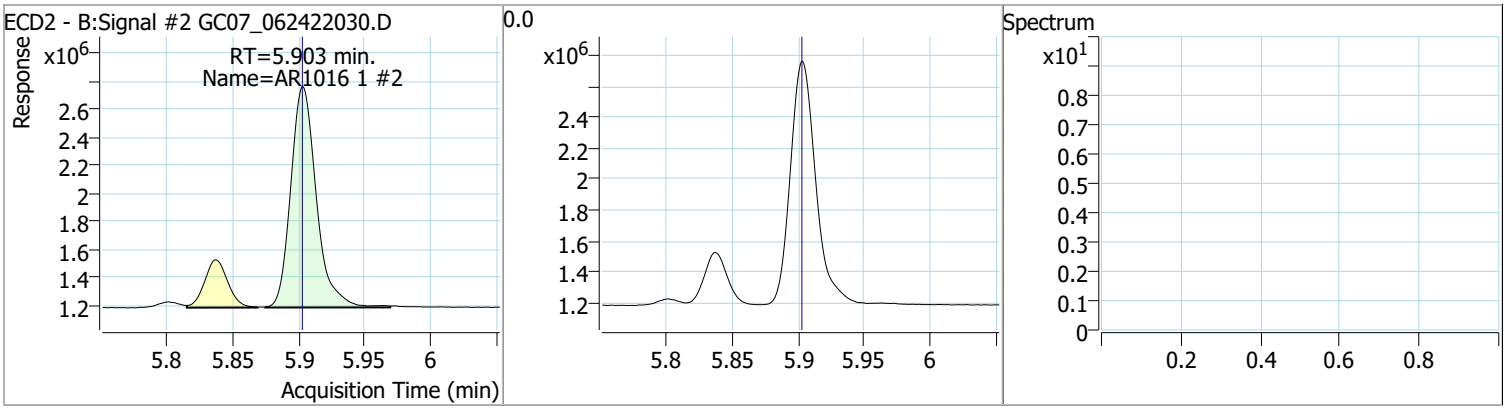
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1700.2676	5.42	0.00	7120163 (m)				



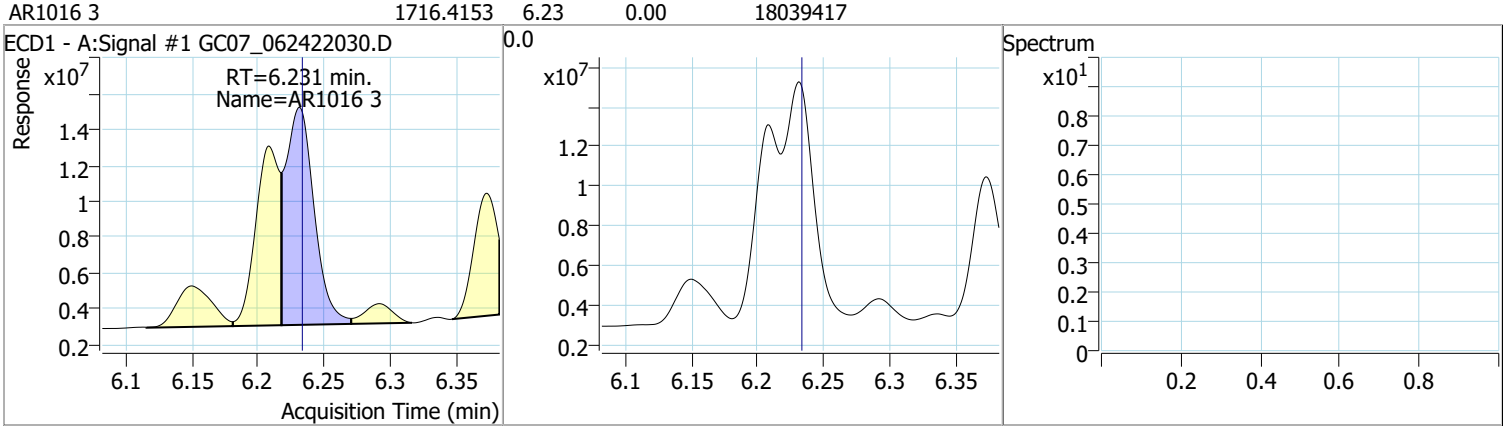
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1631.8755	5.76	0.00	14810975				



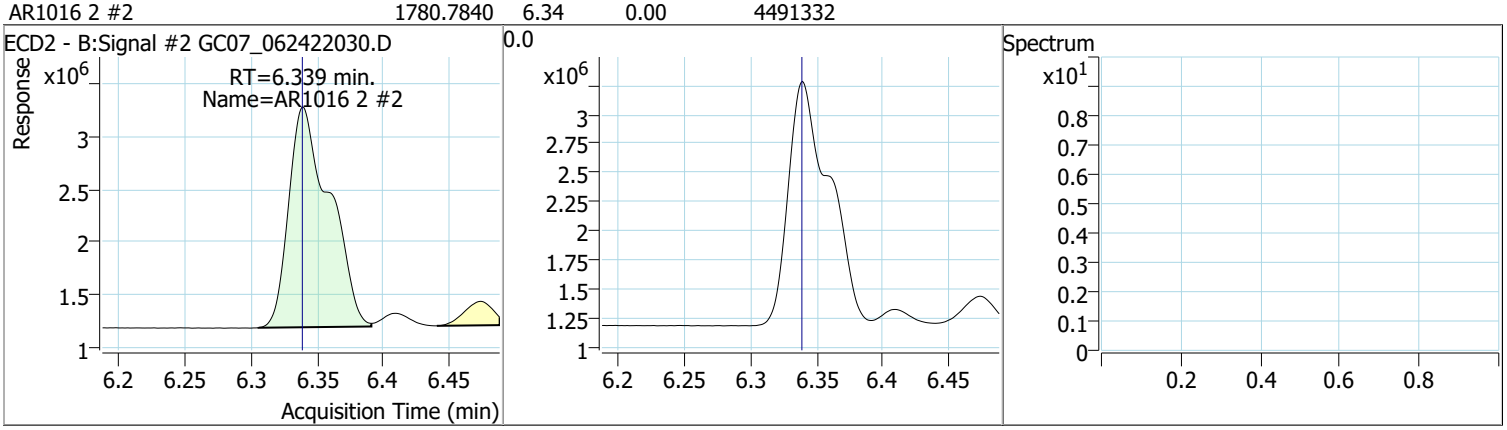
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1830.7570	5.90	0.00	2120457				



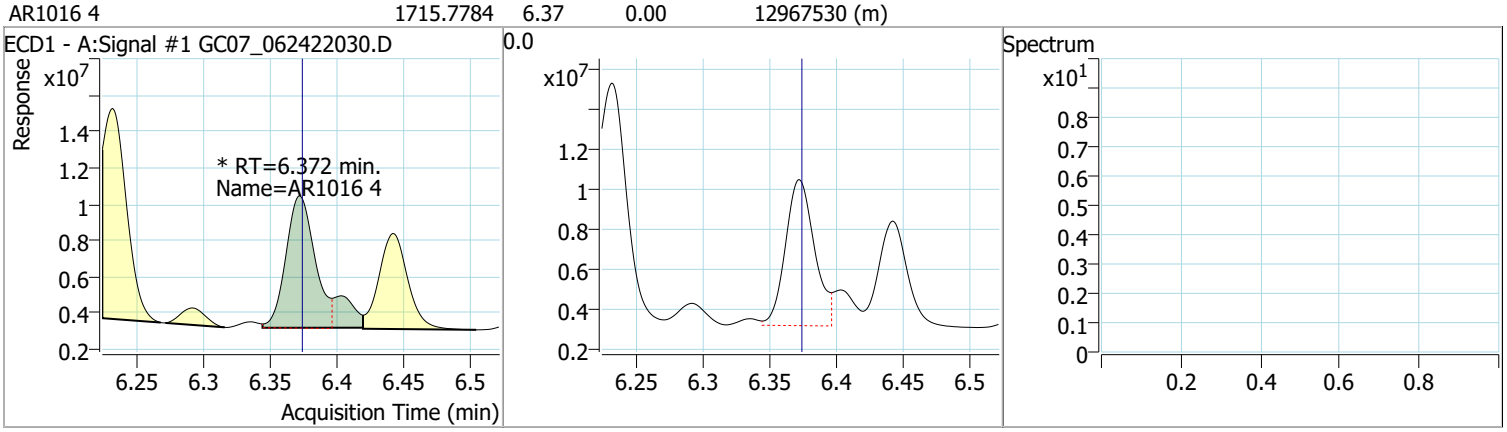
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1716.4153	6.23	0.00	18039417				



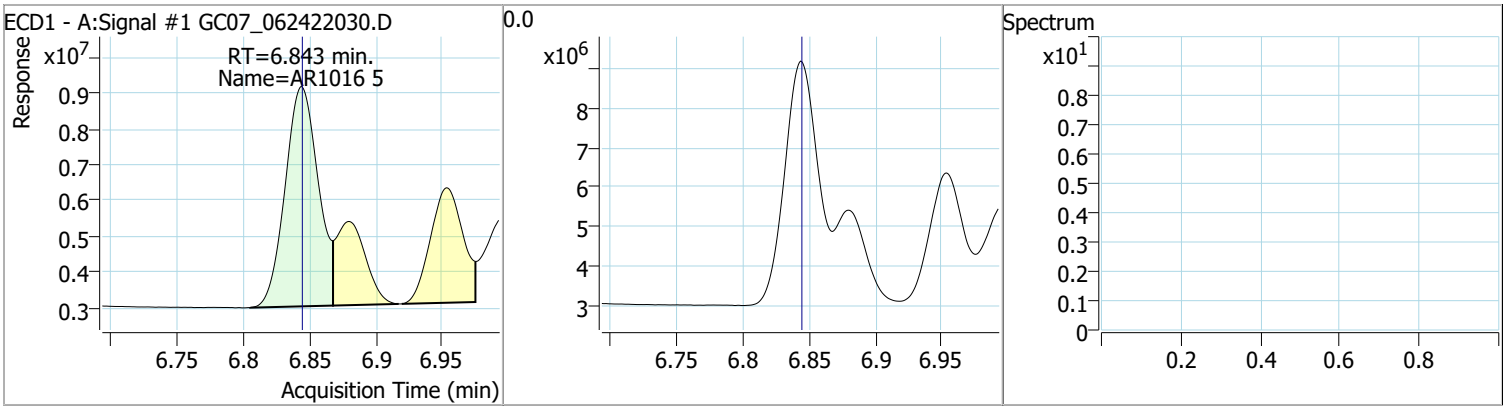
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1780.7840	6.34	0.00	4491332				



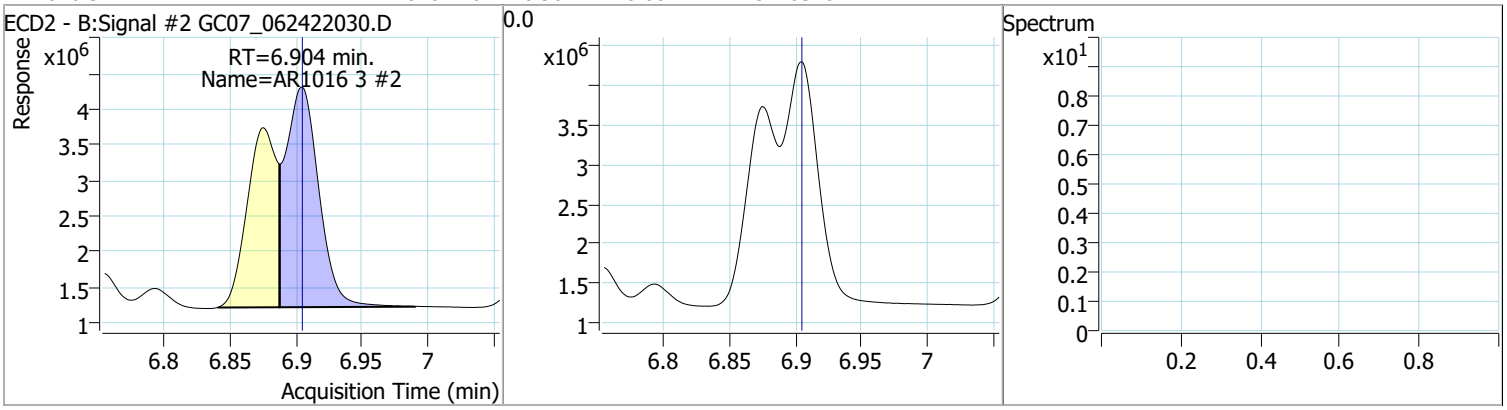
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1715.7784	6.37	0.00	12967530 (m)				



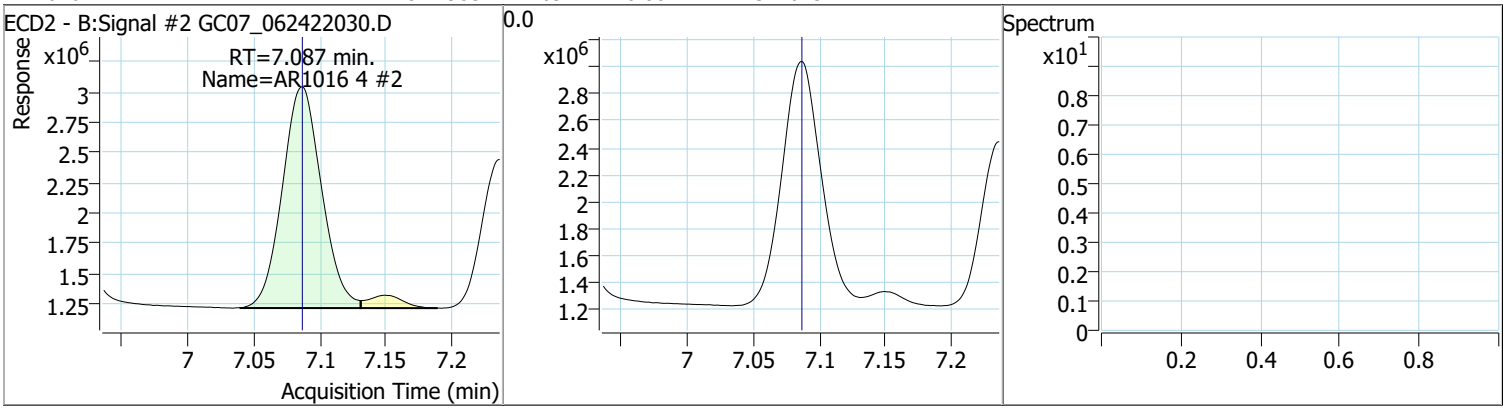
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1701.8780	6.84	0.00	10714001				



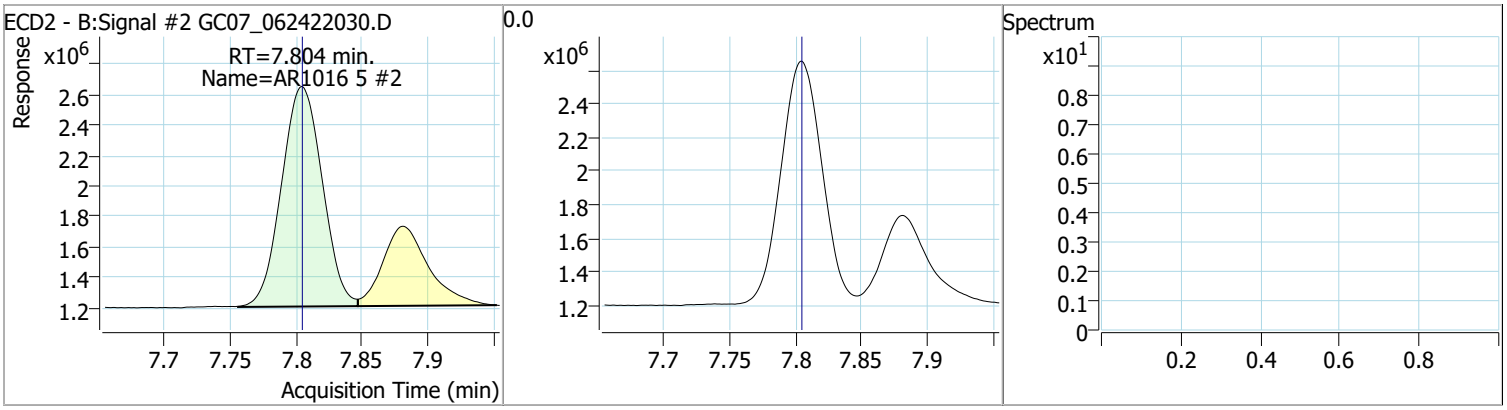
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1870.1167	6.90	0.00	5410320				



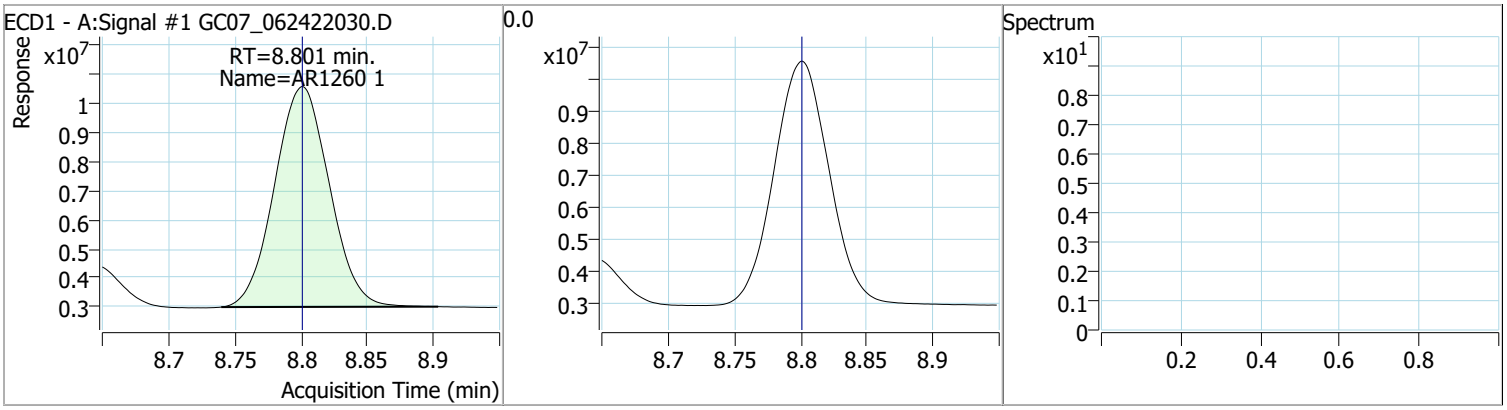
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1877.9532	7.09	0.00	3770734				



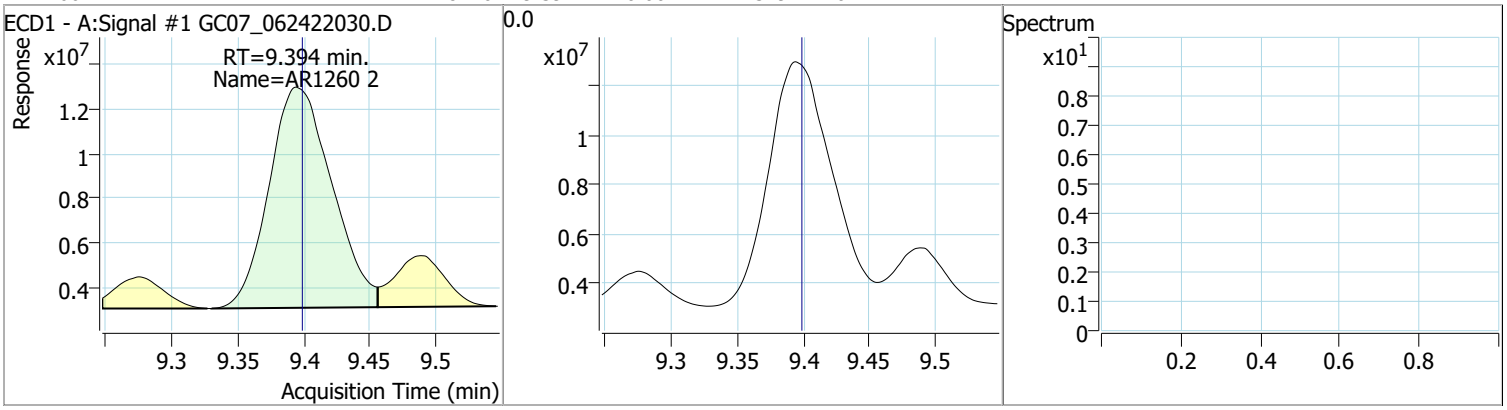
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1856.7920	7.80	0.00	3114359				



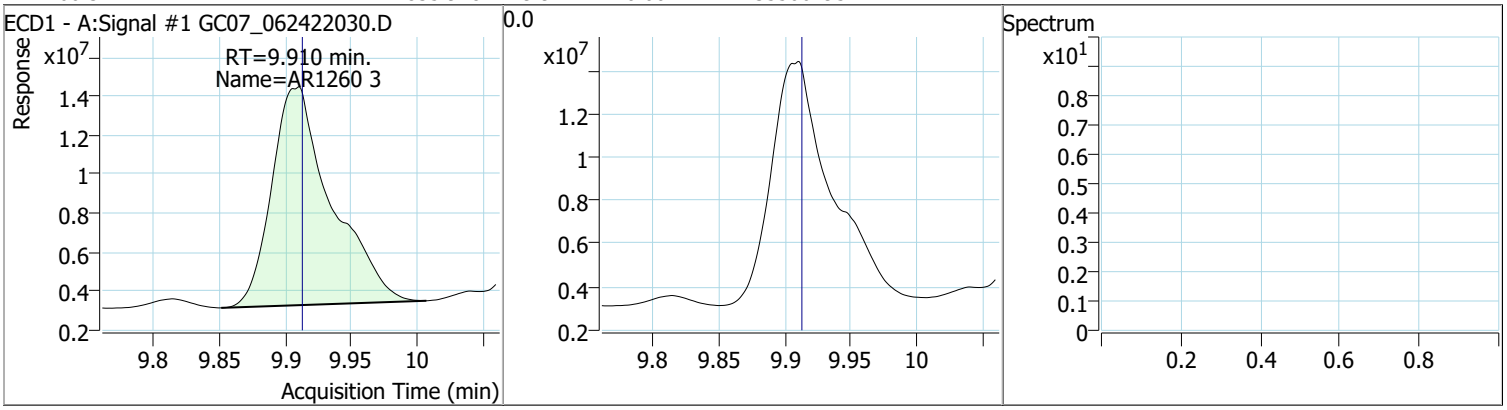
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1638.8931	8.80	0.00	21787981				



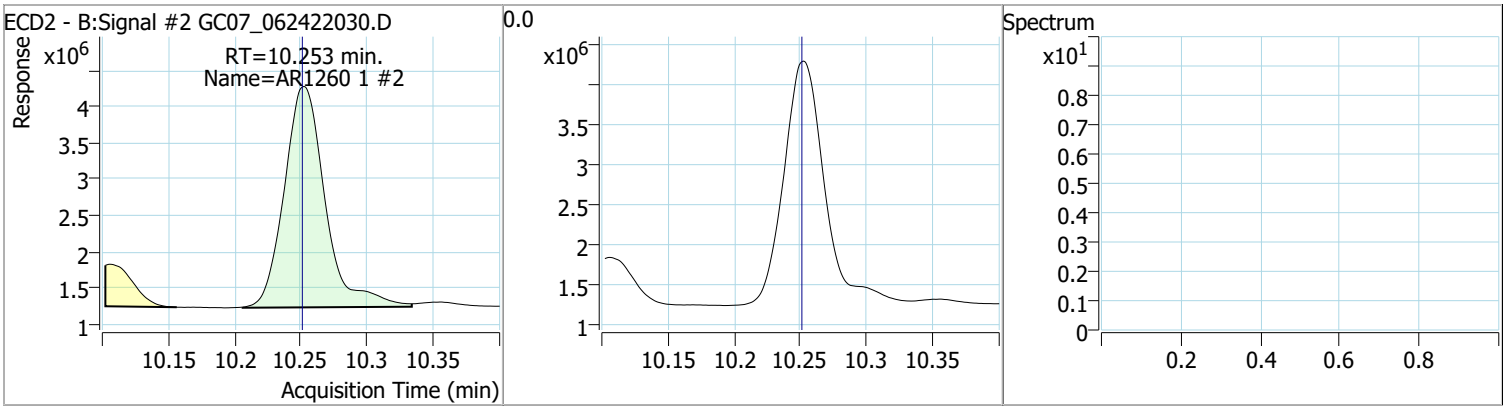
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1724.8420	9.39	0.00	32917120				



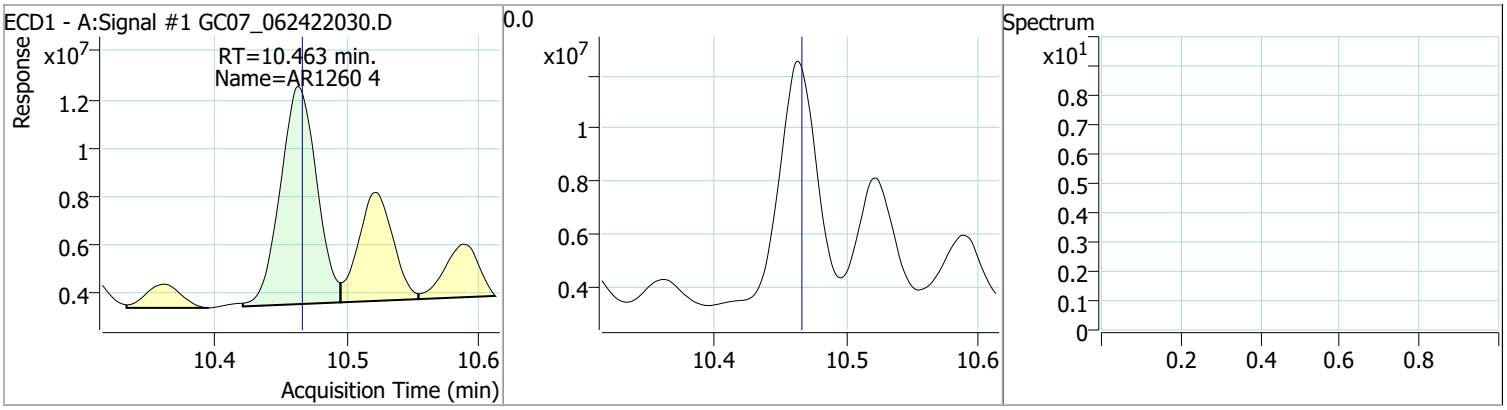
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1835.9781	9.91	0.00	35506795				



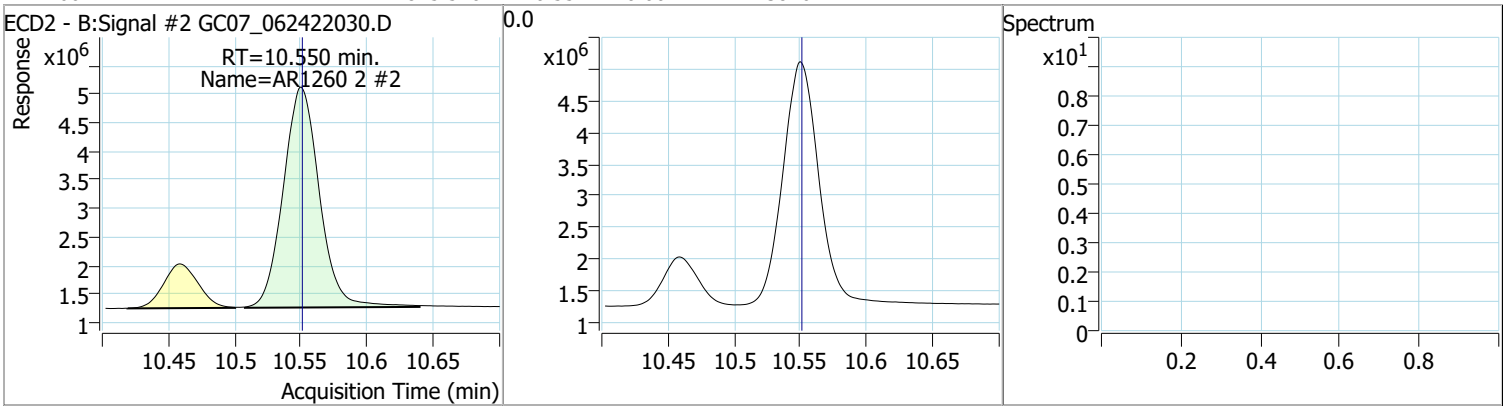
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1807.6512	10.25	0.00	6584362				



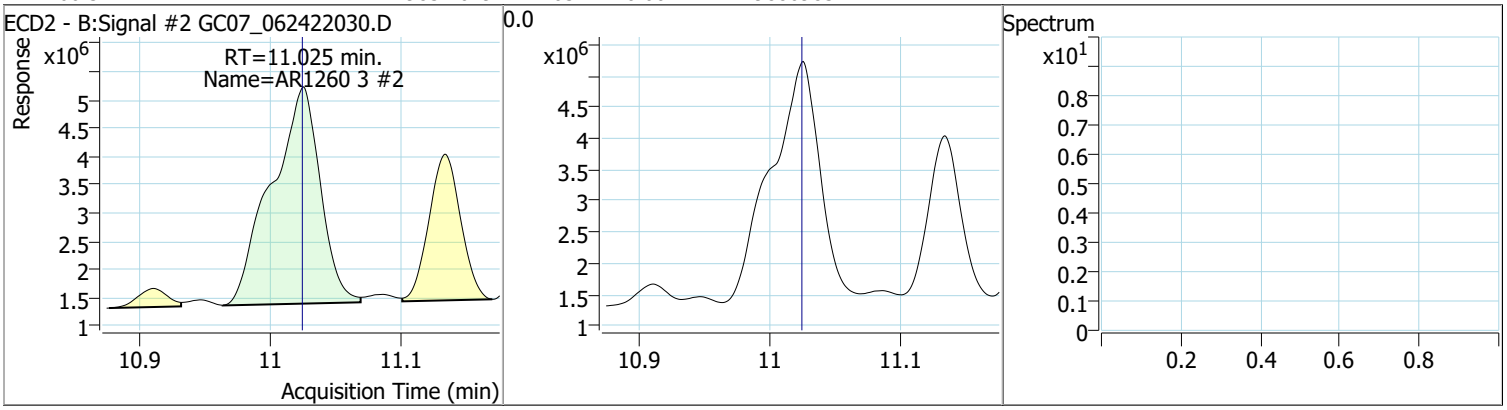
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1756.2212	10.46	0.00	17362853				



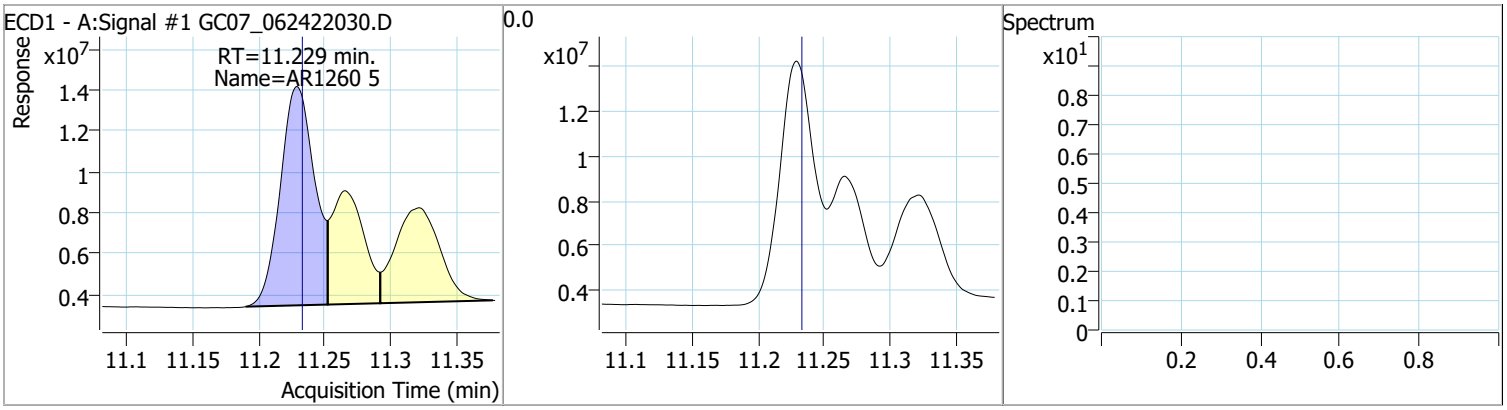
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1825.5404	10.55	0.00	7387671				



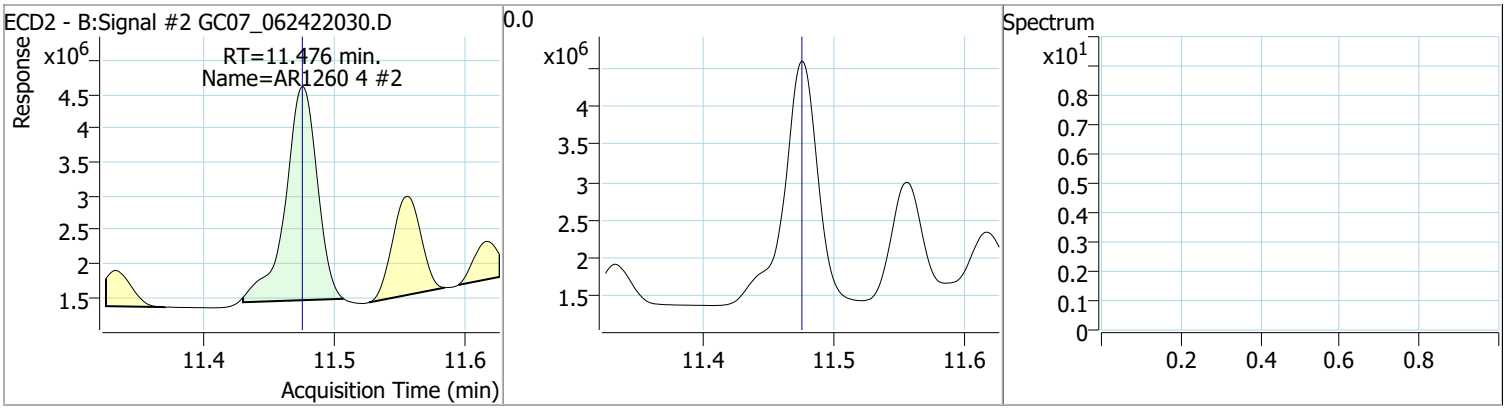
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1983.7079	11.03	0.00	9880983				



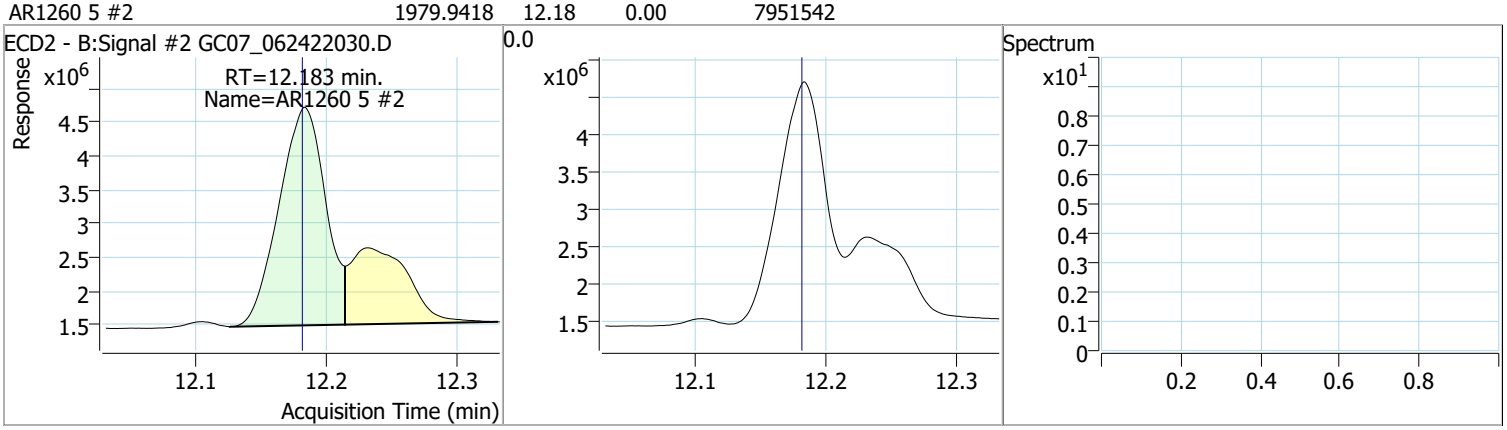
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	2142.4779	11.23	0.00	19446572				



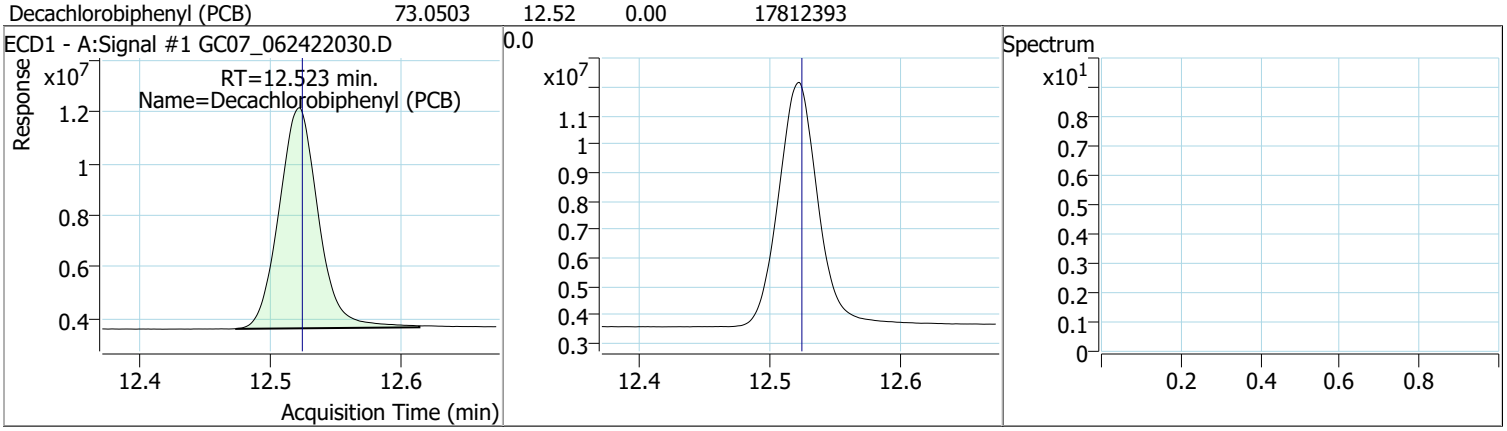
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1902.6228	11.48	0.00	5317224				



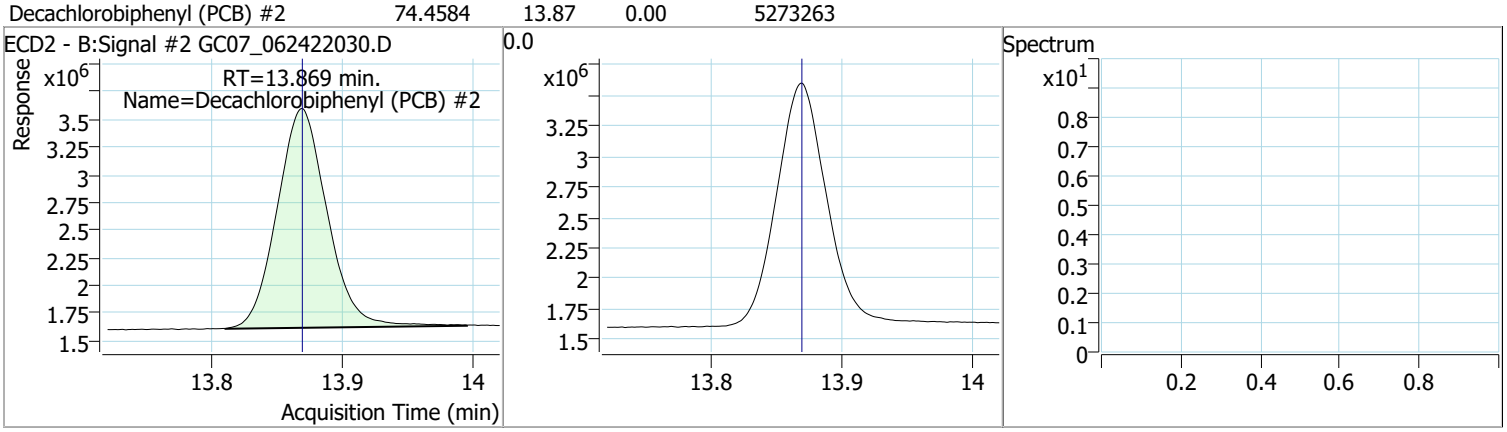
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1979.9418	12.18	0.00	7951542				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	73.0503	12.52	0.00	17812393				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	74.4584	13.87	0.00	5273263				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422032.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 3:34:47 AM
Sample Name	ICV, S16460	Instrument	SVOA-GC07
Vial	20	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	ICV PCB 500 PPB
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
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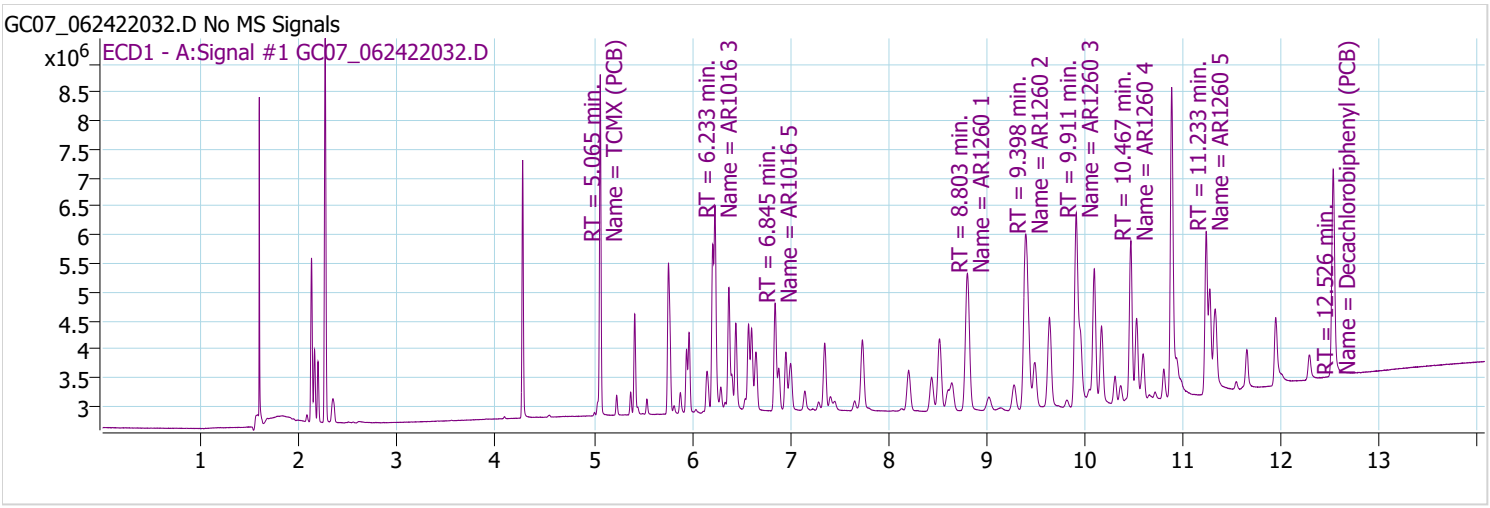
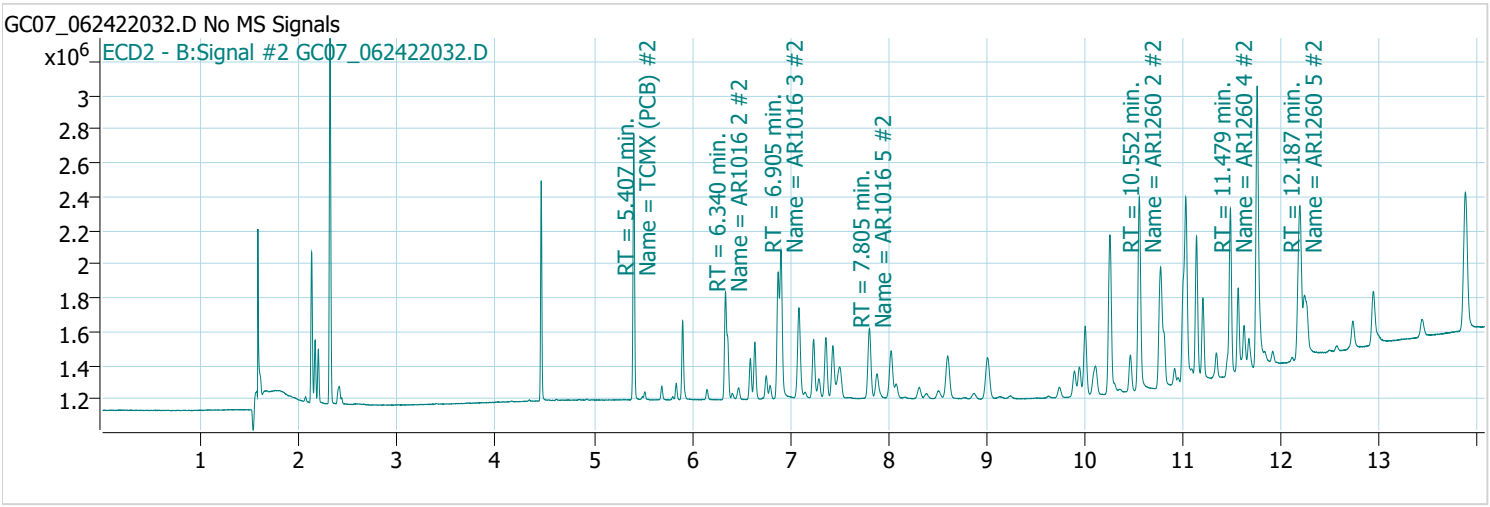


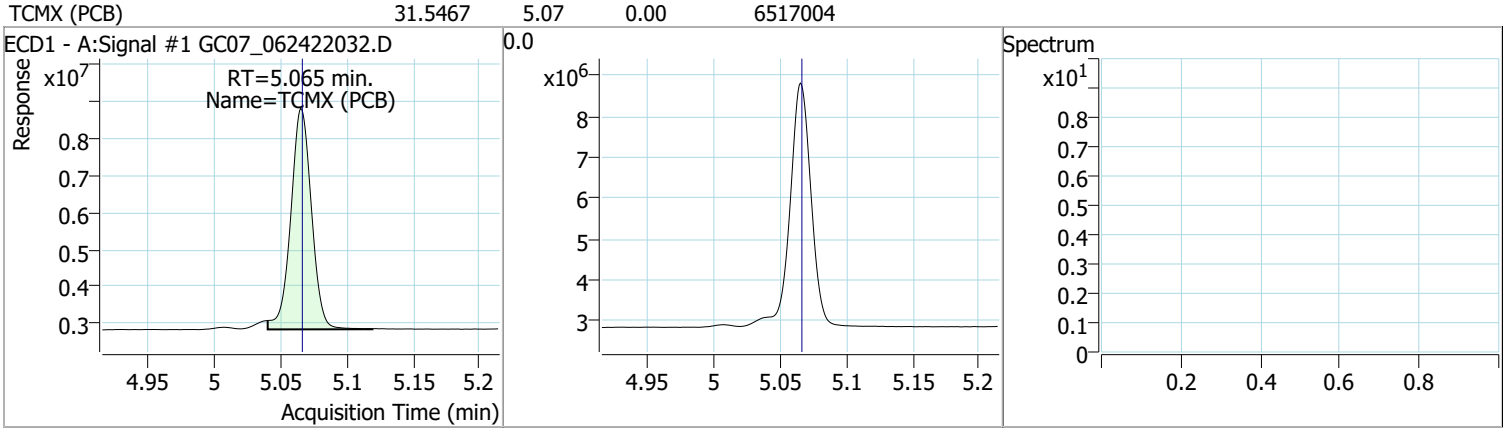


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.276	0.0	4380001.545	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.464	0.0	1162375.121	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.065	0.0	6517003.537	31.5467	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 157.73%		*	
S TCMX (PCB) #2	5.407	0.0	1736280.471	32.9142	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 164.57%		*	
S Decachlorobiphenyl (PCB)	12.526	0.0	7630932.148	31.1884	ng/ml		0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 155.94%		*	
S Decachlorobiphenyl (PCB) #2	13.871	0.0	2272784.465	31.7537	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 158.77%		*	
Target Compounds							QValue

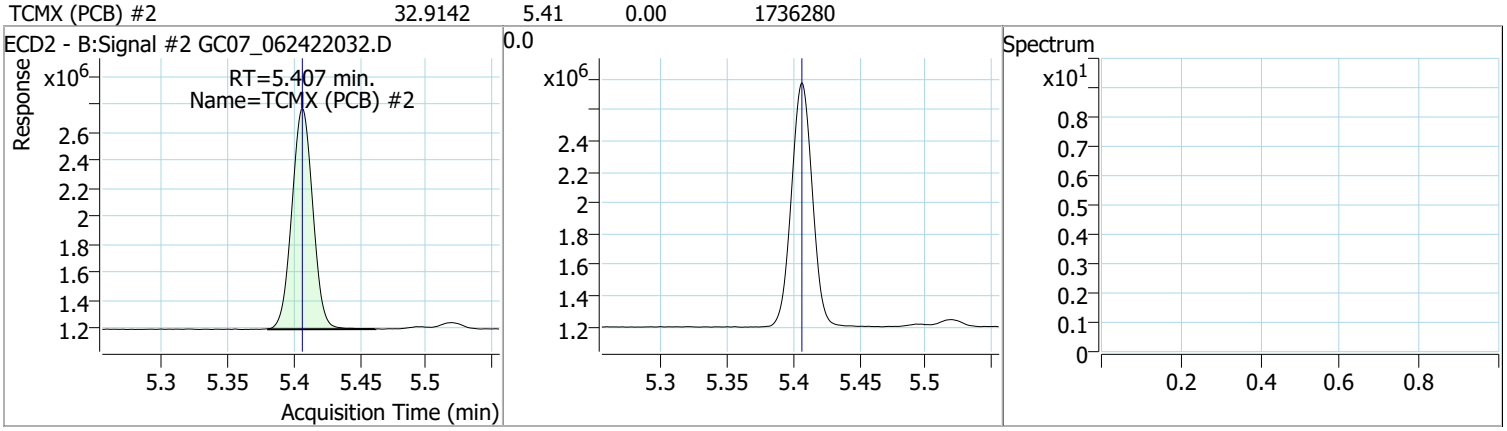
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.416	0.0	2178837.717	518.5224	ng/ml	m	100
T AR1016 2	5.760	0.0	4642693.939	509.7870	ng/ml		100
T AR1016 1 #2	5.904	0.0	621423.878	530.8730	ng/ml		100
T AR1016 3	6.233	0.0	5342379.321	506.5822	ng/ml		100
T AR1016 2 #2	6.340	0.0	1335548.891	523.9591	ng/ml		100
T AR1016 4	6.375	0.0	4069231.258	536.5765	ng/ml	m	100
T AR1016 5	6.845	0.0	3270931.448	517.8017	ng/ml		100
T AR1016 3 #2	6.905	0.0	1520880.636	520.1666	ng/ml		100
T AR1016 4 #2	7.088	0.0	1079057.494	531.7470	ng/ml		100
T AR1016 5 #2	7.805	0.0	884088.226	521.5449	ng/ml		100
T AR1260 1	8.803	0.0	7014371.141	525.8207	ng/ml		100
T AR1260 2	9.398	0.0	10362586.885	541.1417	ng/ml		100
T AR1260 3	9.911	0.0	10584612.381	545.4391	ng/ml		100
T AR1260 1 #2	10.253	0.0	2028569.774	551.0518	ng/ml		100
T AR1260 4	10.467	0.0	5296031.081	533.8558	ng/ml		100
T AR1260 2 #2	10.552	0.0	2268856.319	554.7438	ng/ml		100
T AR1260 3 #2	11.024	0.0	2956424.368	587.2809	ng/ml		100
T AR1260 5	11.233	0.0	5010403.817	550.1250	ng/ml		100
T AR1260 4 #2	11.479	0.0	1589082.205	562.6206	ng/ml		100
T AR1260 5 #2	12.187	0.0	2266612.500	558.4443	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

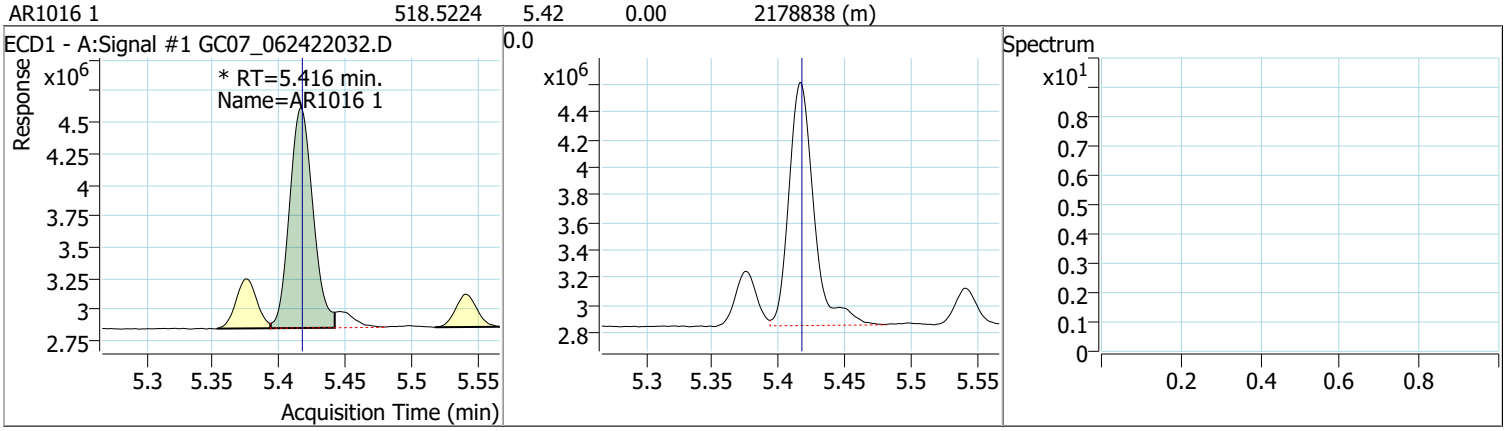
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	31.5467	5.07	0.00	6517004				



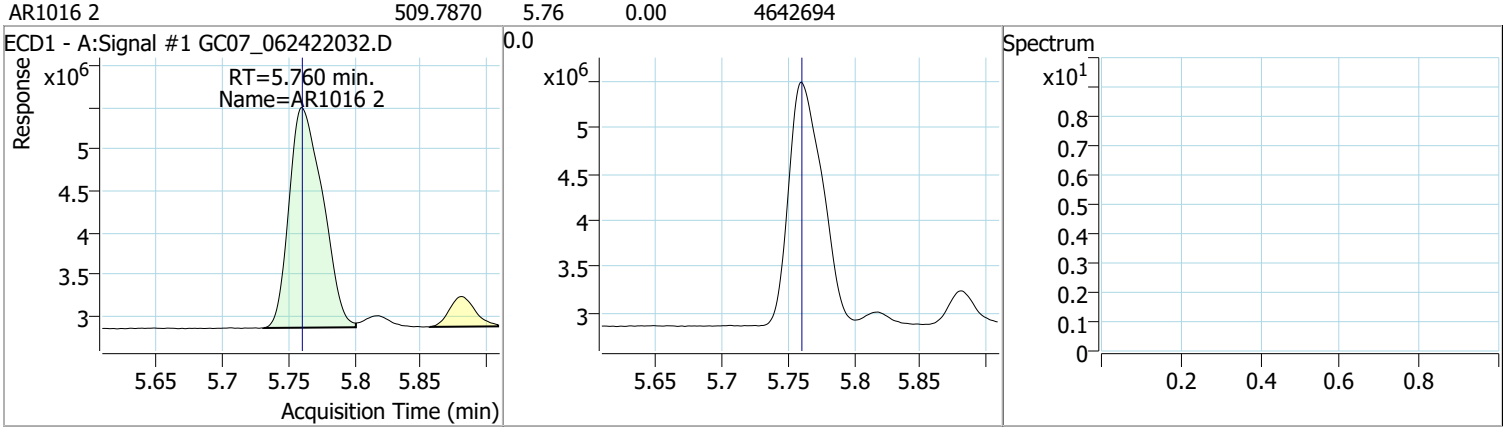
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	32.9142	5.41	0.00	1736280				



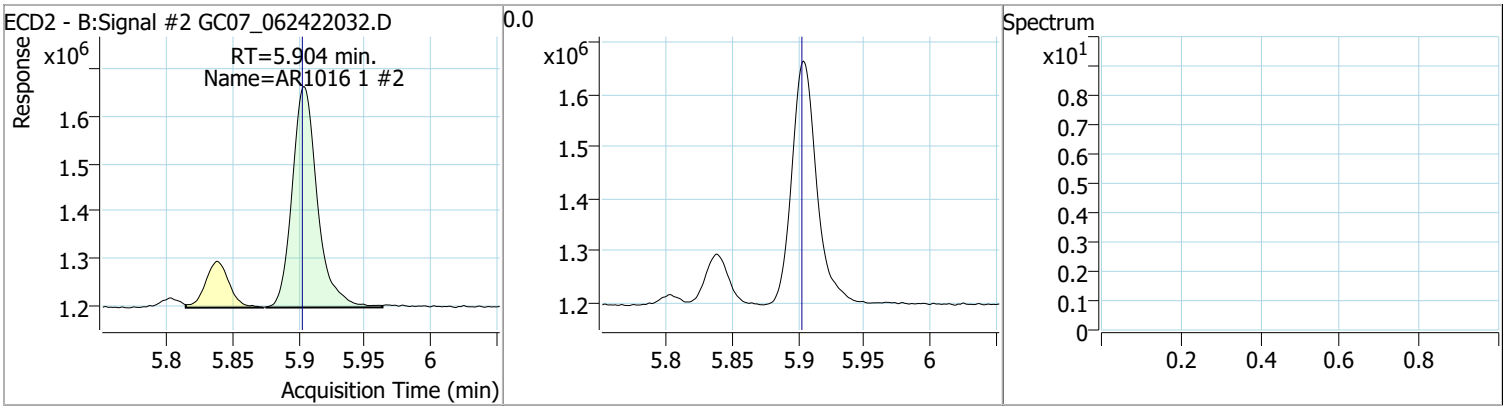
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	518.5224	5.42	0.00	2178838 (m)				



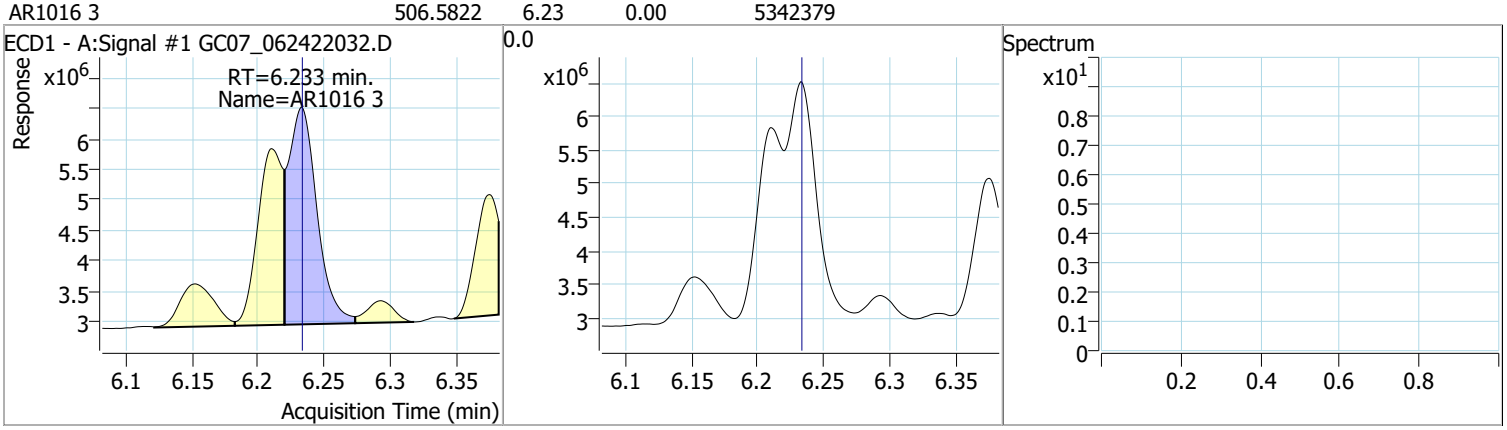
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	509.7870	5.76	0.00	4642694				



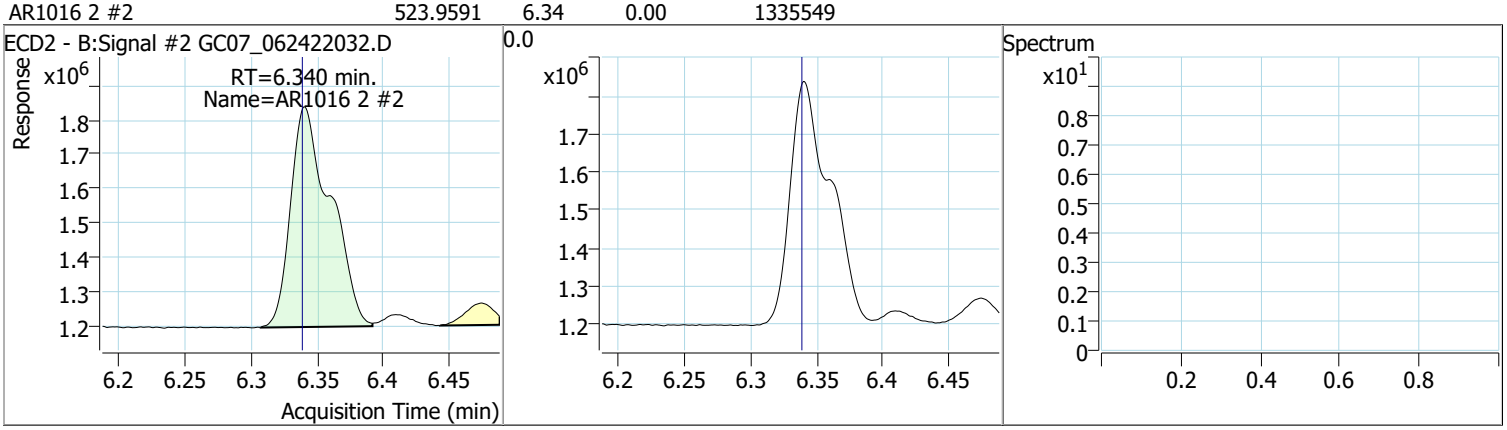
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	530.8730	5.90	0.00	621424				



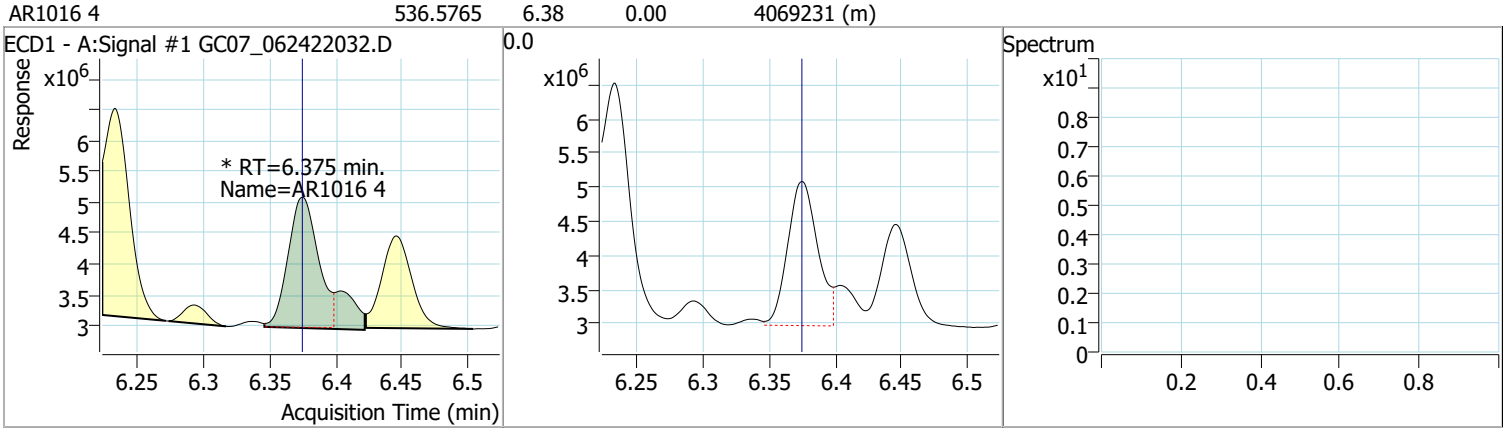
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	506.5822	6.23	0.00	5342379				



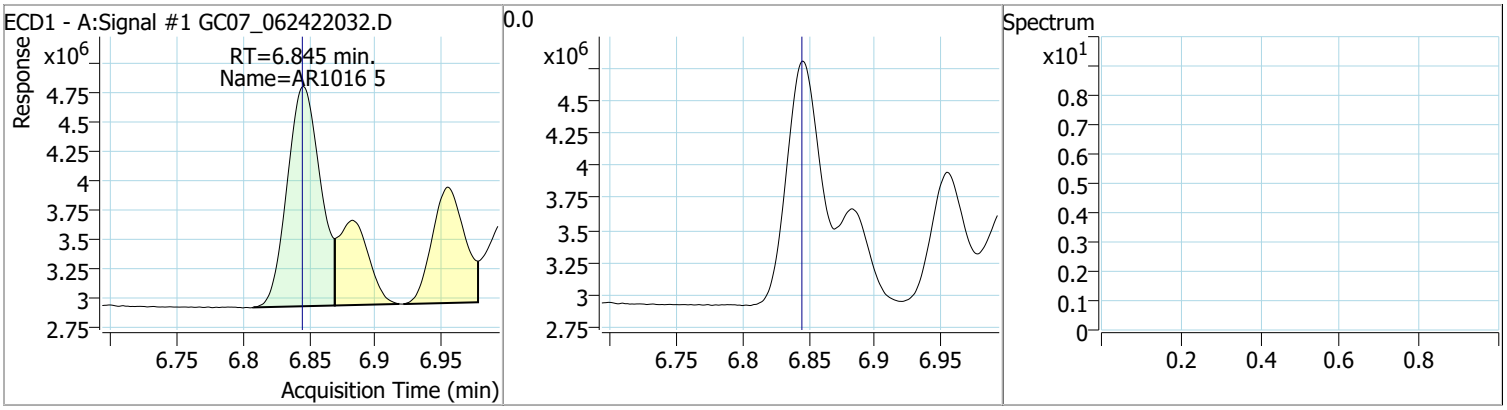
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	523.9591	6.34	0.00	1335549				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	536.5765	6.38	0.00	4069231 (m)				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	517.8017	6.85	0.00	3270931				



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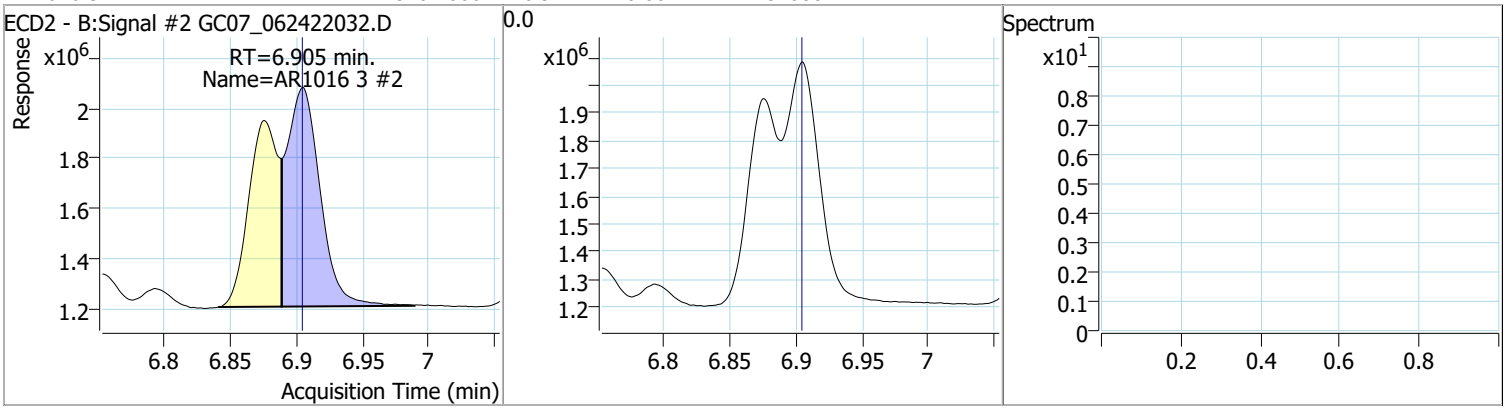
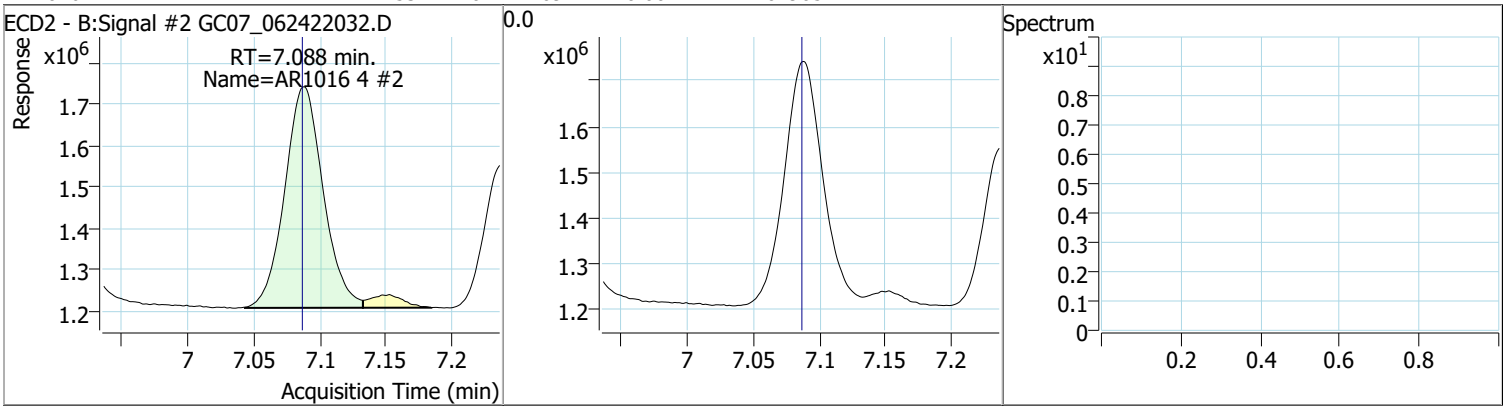
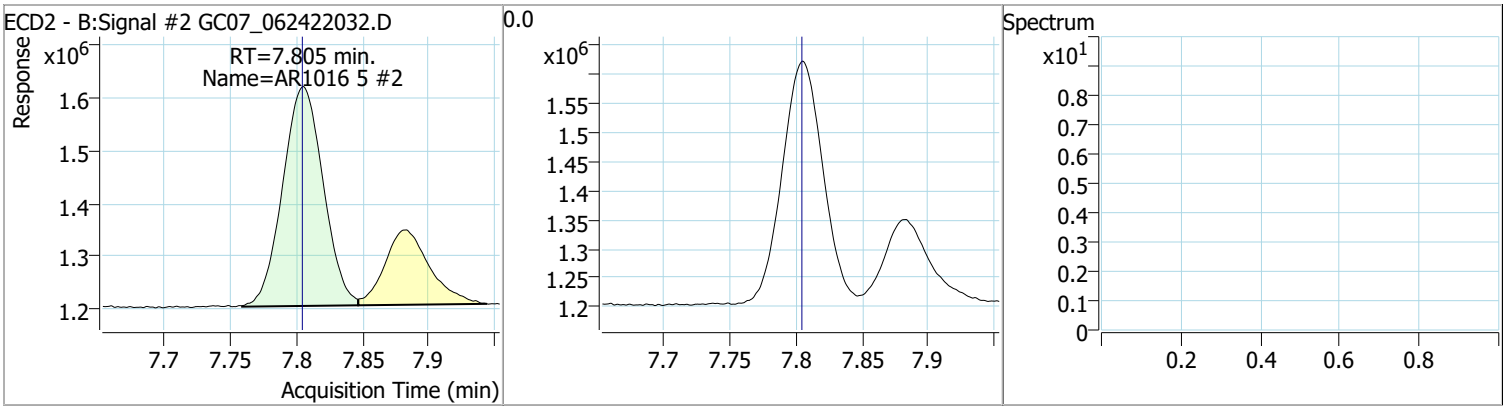
AR1016 3 #2	520.1666	6.91	0.00	1520881				



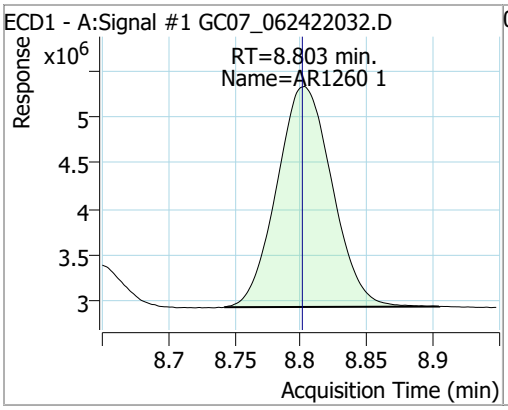
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	531.7470	7.09	0.00	1079057				

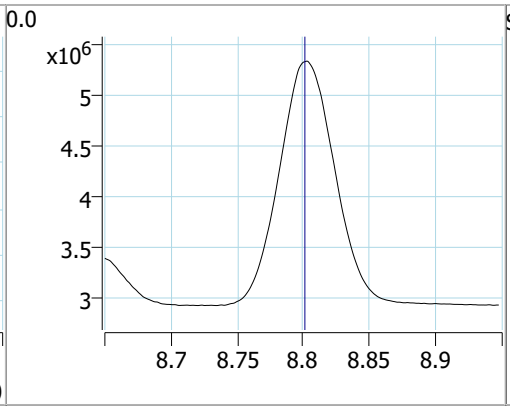


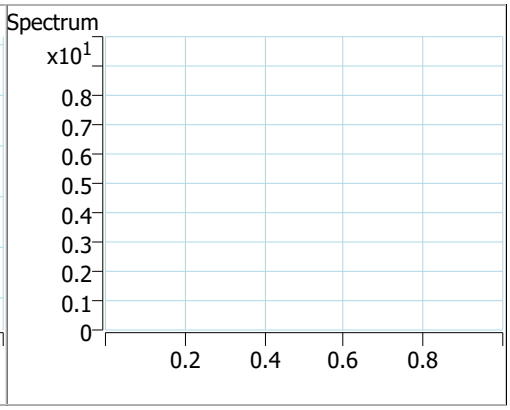
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	521.5449	7.81	0.00	884088				



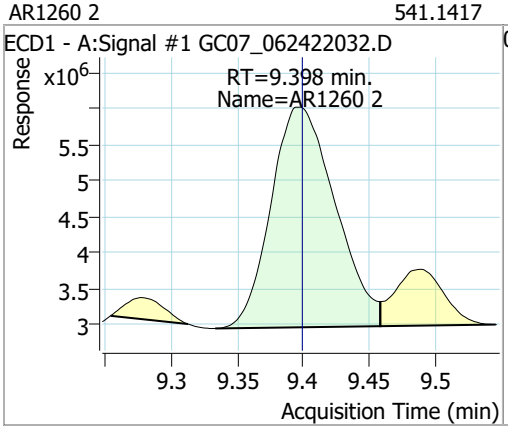
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	525.8207	8.80	0.00	7014371				

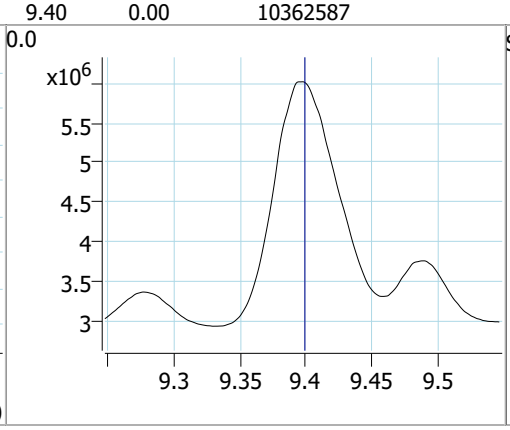


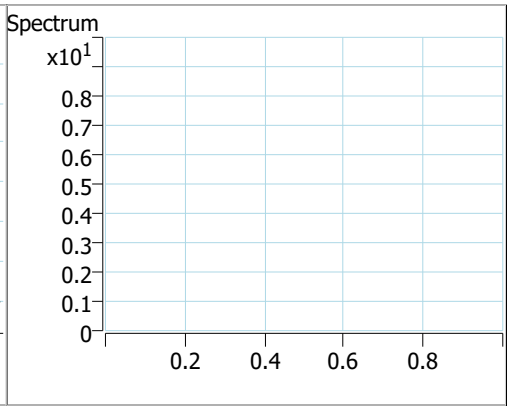




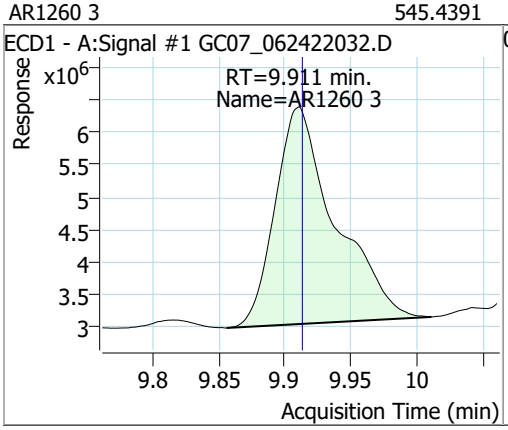
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	541.1417	9.40	0.00	10362587				

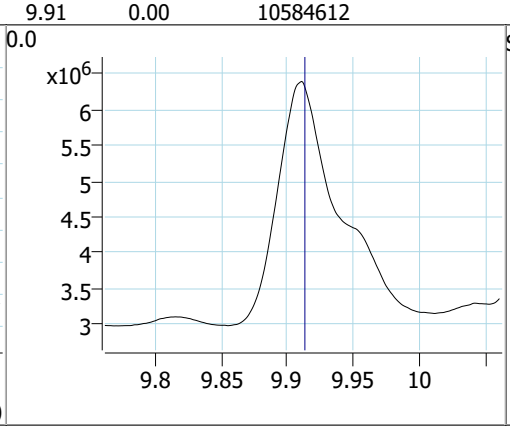


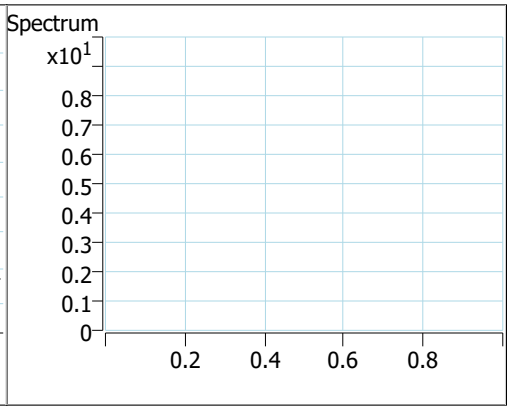




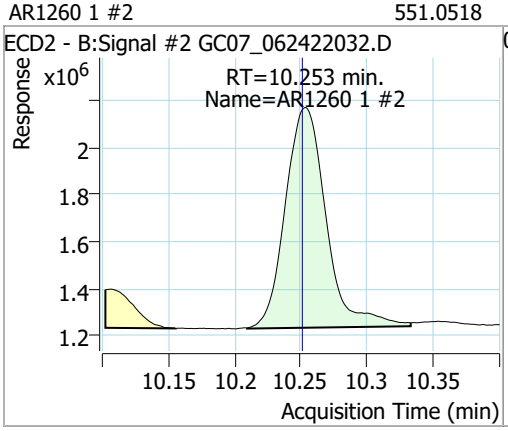
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	545.4391	9.91	0.00	10584612				

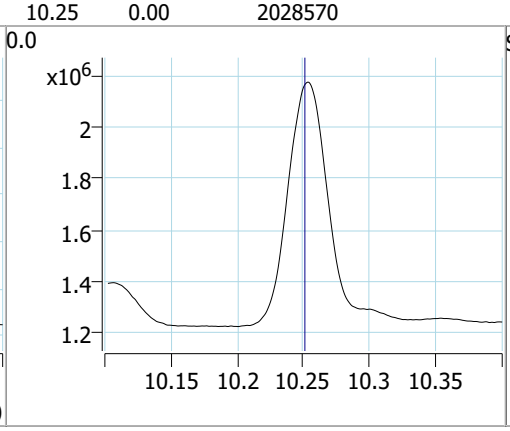


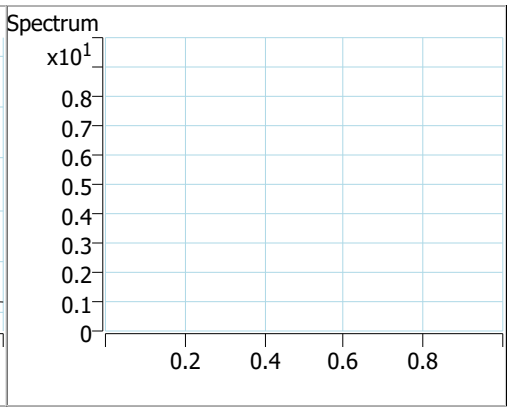




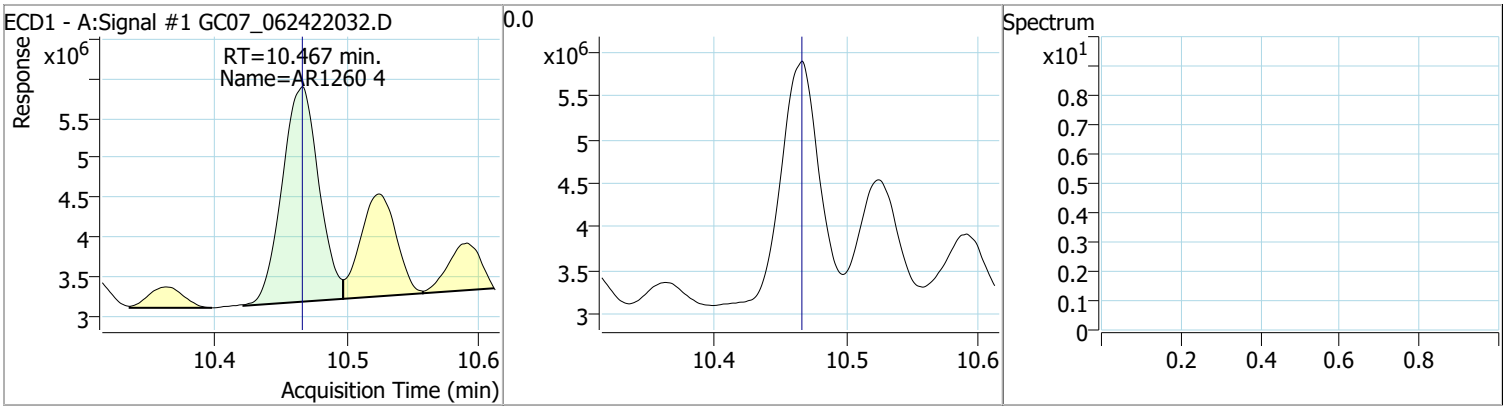
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	551.0518	10.25	0.00	2028570				



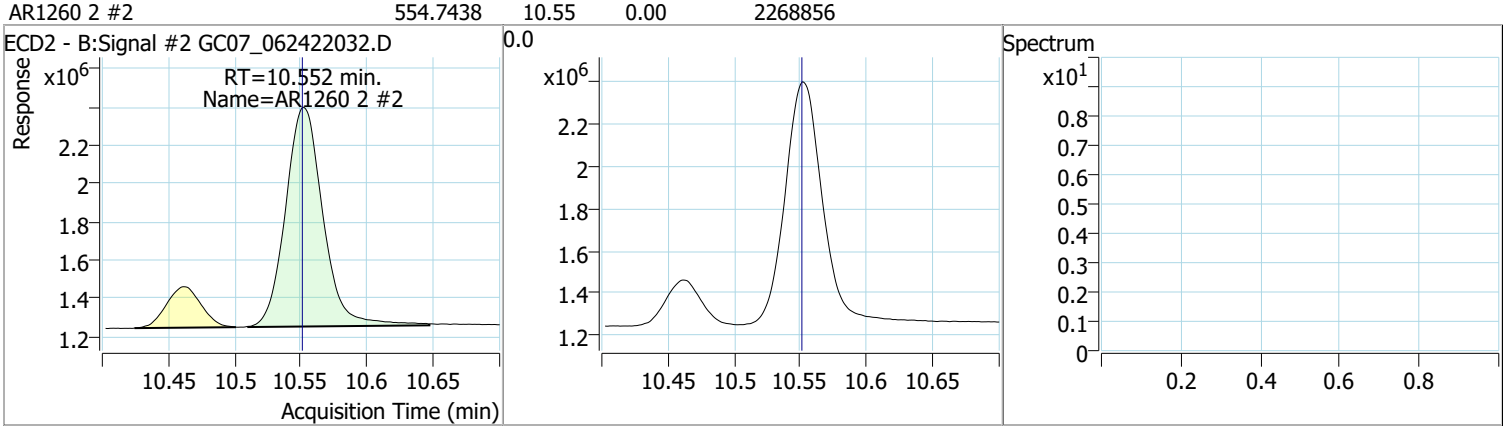




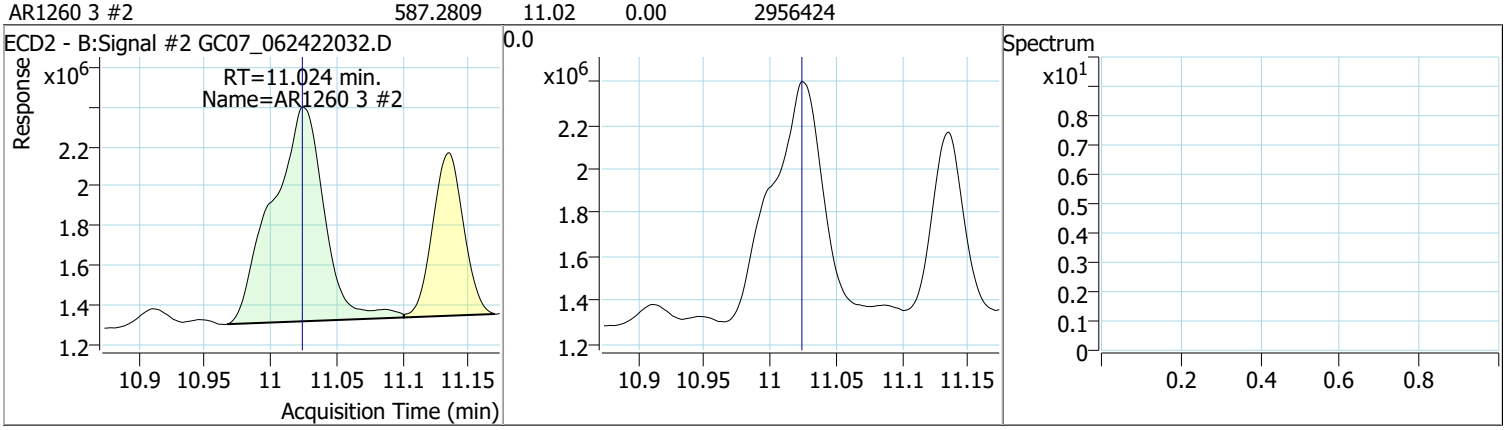
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	533.8558	10.47	0.00	5296031				



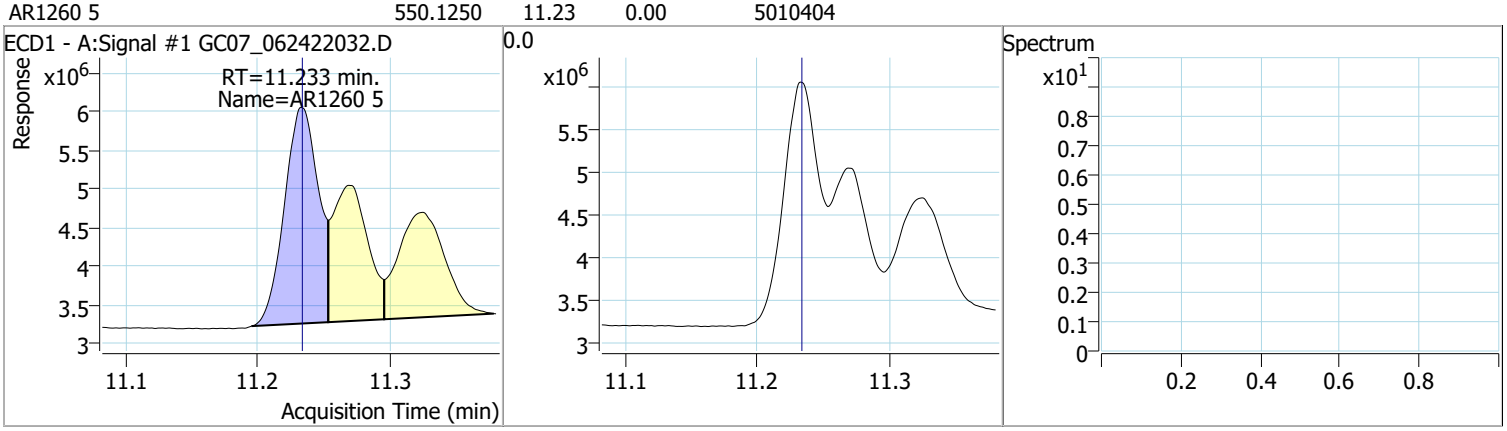
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	554.7438	10.55	0.00	2268856				



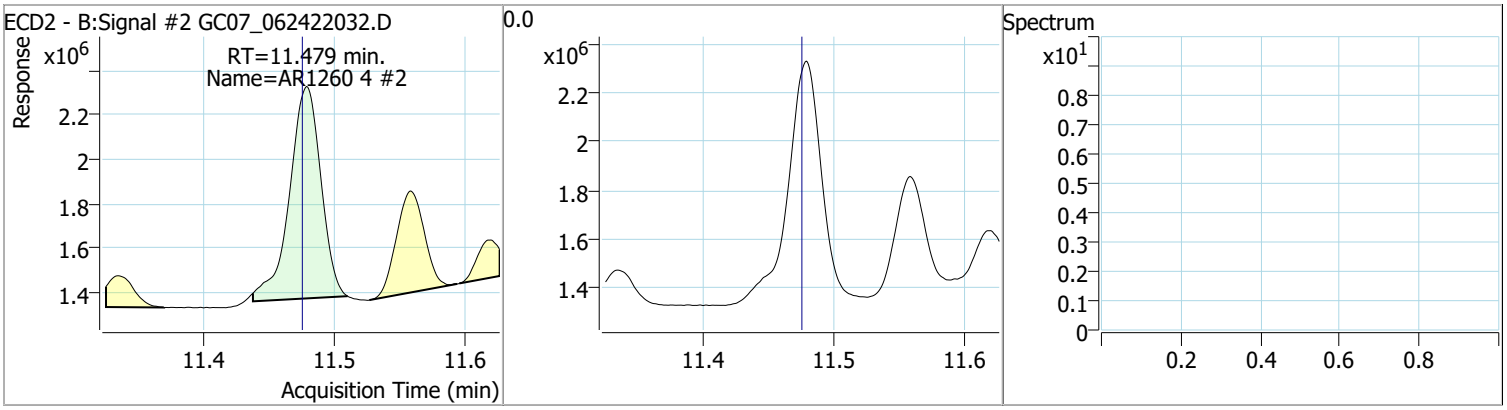
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	587.2809	11.02	0.00	2956424				



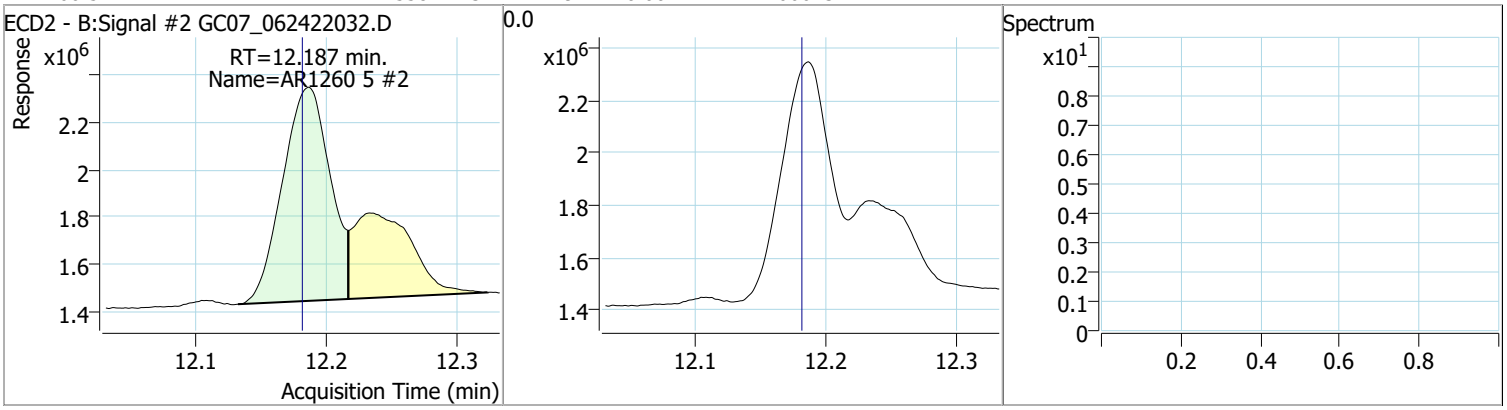
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	550.1250	11.23	0.00	5010404				



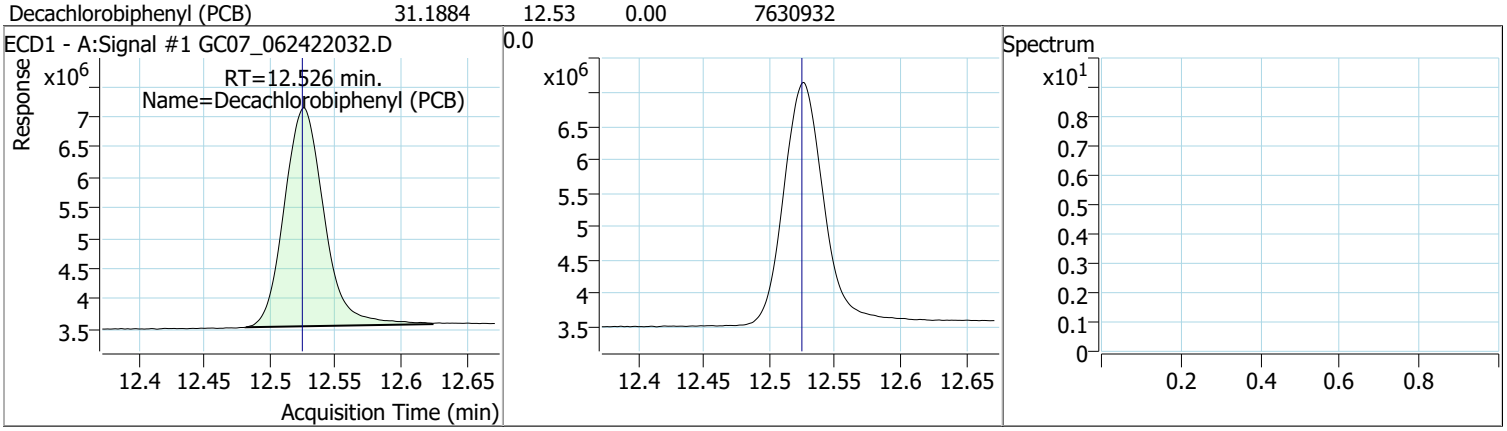
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	562.6206	11.48	0.00	1589082				



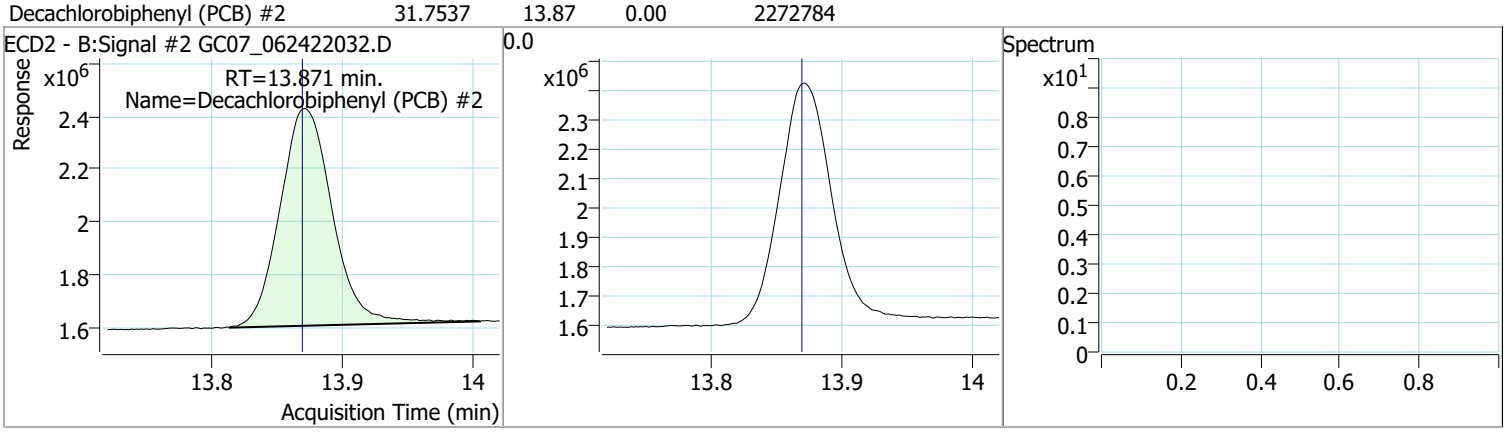
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	558.4443	12.19	0.00	2266613				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	31.1884	12.53	0.00	7630932				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	31.7537	13.87	0.00	2272784				



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 464405 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07			IDF:	1.0
Seqnum:	462258436004	File:	gc07_062822004	Time:	28-JUN-2022 11:51
Cal:	462252739001	Caldate:	25-JUN-2022		

Standards: S17006

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	462.7	ug/L	-7	15	0.0000	
Aroclor-1260	A			500.0	510.2	ug/L	2	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.1166	0.9481	20.00	16.98	pg/uL	-15	15	0.0000	
TCMX (PCB)	A	0.9428	0.8600	20.00	18.24	pg/uL	-9	15	0.0000	
Aroclor-1016	B			500.0	491.3	ug/L	-2	15	0.0000	
Aroclor-1260	B			500.0	506.3	ug/L	1	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2309	1.0800	20.00	17.55	pg/uL	-12	15	0.0000	
TCMX (PCB)	B	0.9071	0.8655	20.00	19.08	pg/uL	-5	15	0.0000	

ISTD (ICAL gc07_062422023)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1166029	1389469	19.16
1-bromo-2-nitrobenzene (PCB)	A	4421081	5233508	18.38

Analyst: TRN 06/28/22 **Reviewer:** SLL 06/28/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_062822004.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/28/2022 11:51:24 AM
Sample Name	CCV, S17006	Instrument	SVOA-GC07
Vial	144	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_2.m	Comment	500 PPB PCB
Tune File	ATUNE.U	Tune Date	
Batch Name	062822PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
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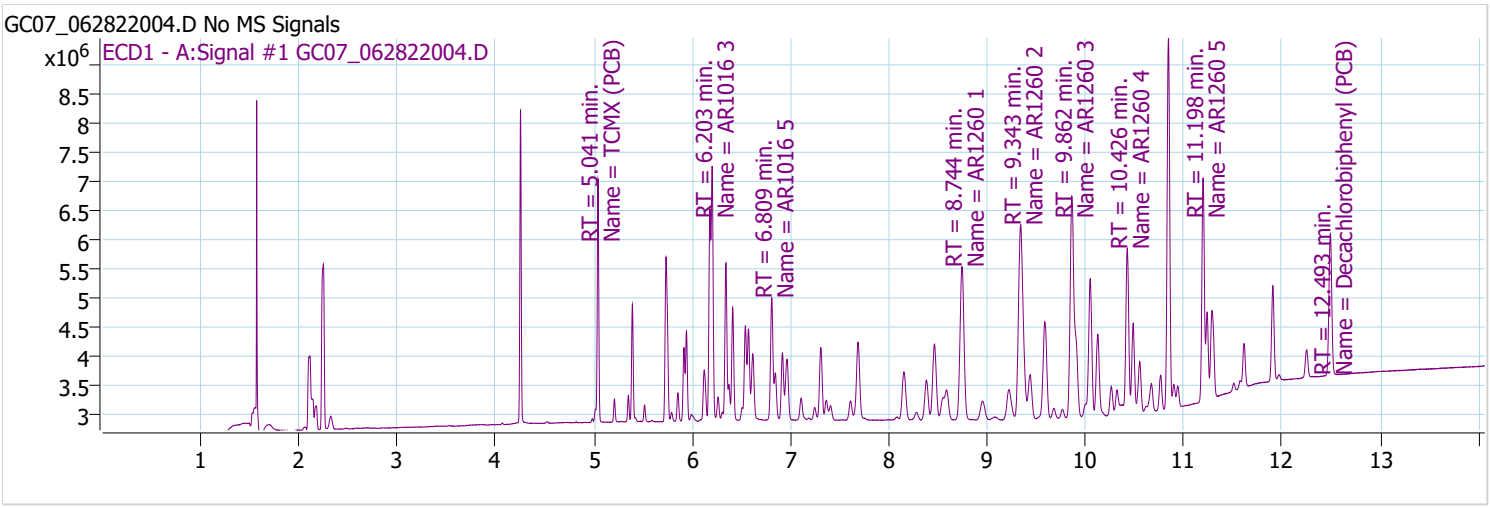
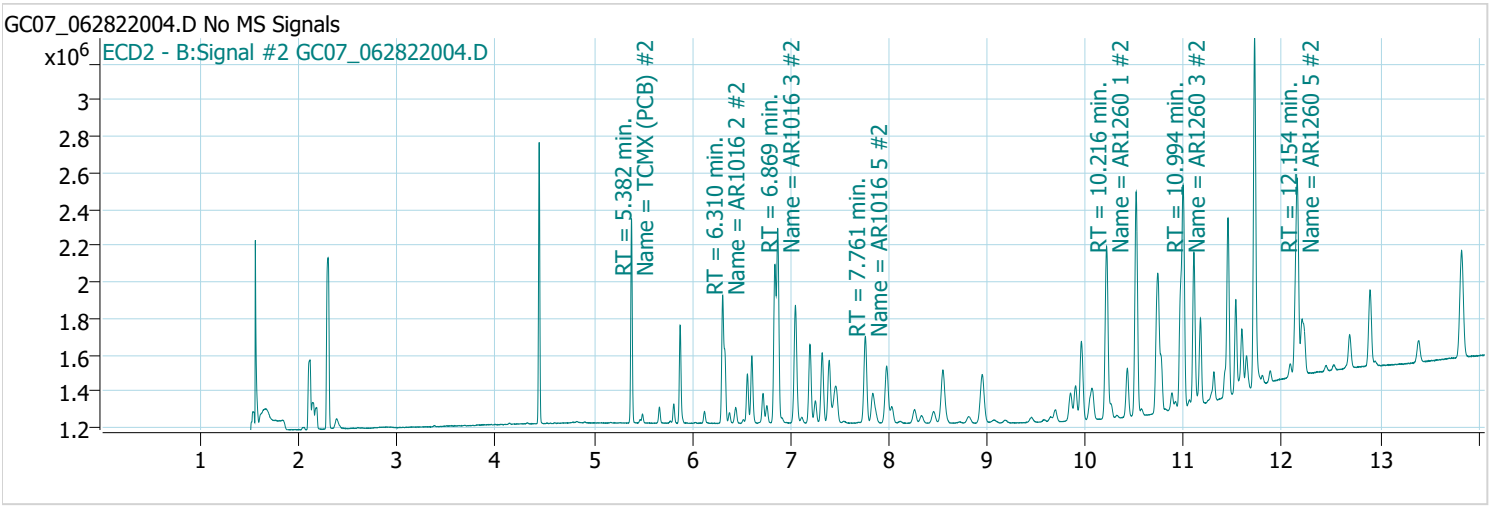


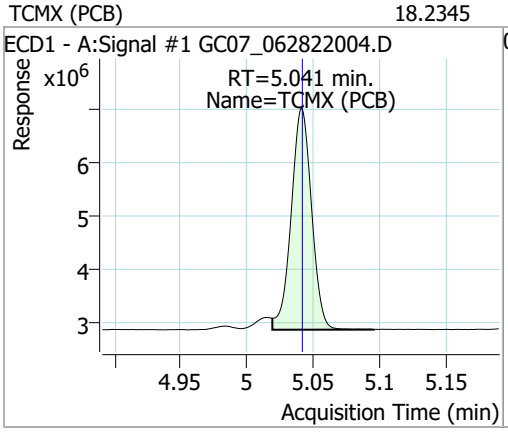


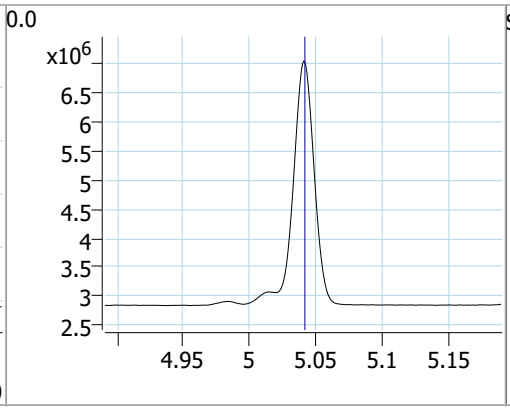
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.253	0.0	5233508.100	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.443	0.0	1389468.650	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.041	0.0	4500986.521	18.2345	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 91.17%		
S TCMX (PCB) #2	5.382	0.0	1202568.787	19.0709	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 95.35%		
S Decachlorobiphenyl (PCB)	12.493	0.0	4961928.958	16.9726	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 84.86%		
S Decachlorobiphenyl (PCB) #2	13.828	0.0	1500682.551	17.5397	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 87.70%		
Target Compounds						QValue

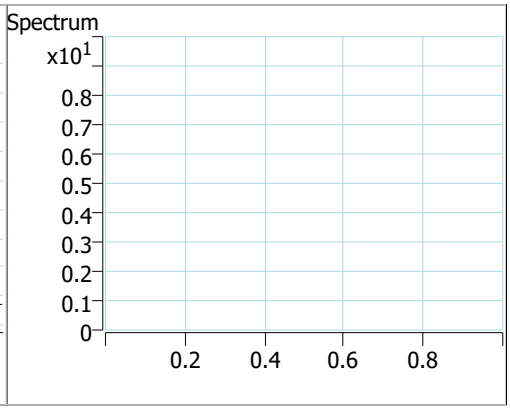
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.391	0.0	2365298.436	471.0966	ng/ml	100
T AR1016 2	5.733	0.0	4927063.941	452.7811	ng/ml	100
T AR1016 1 #2	5.877	0.0	670759.537	479.3659	ng/ml	100
T AR1016 3	6.203	0.0	6047853.656	479.9520	ng/ml	100
T AR1016 2 #2	6.310	0.0	1437129.412	471.6622	ng/ml	100
T AR1016 4	6.343	0.0	3889610.364	429.2465	ng/ml	100
T AR1016 5	6.809	0.0	3618666.108	479.4264	ng/ml	100
T AR1016 3 #2	6.869	0.0	1754709.336	502.0536	ng/ml	100
T AR1016 4 #2	7.049	0.0	1257840.829	518.5417	ng/ml	100
T AR1016 5 #2	7.761	0.0	979880.133	483.5781	ng/ml	100
T AR1260 1	8.744	0.0	7442303.496	466.9149	ng/ml	100
T AR1260 2	9.343	0.0	11014598.018	481.3853	ng/ml	100
T AR1260 3	9.862	0.0	12190060.957	525.7249	ng/ml	100
T AR1260 1 #2	10.216	0.0	2086835.333	474.2291	ng/ml	100
T AR1260 4	10.426	0.0	5307953.235	447.7978	ng/ml	100
T AR1260 2 #2	10.517	0.0	2320659.457	474.6729	ng/ml	100
T AR1260 3 #2	10.994	0.0	3196046.593	531.1165	ng/ml	100
T AR1260 5	11.198	0.0	6830863.197	627.6905	ng/ml	100
T AR1260 4 #2	11.451	0.0	1791211.762	530.5347	ng/ml	100
T AR1260 5 #2	12.154	0.0	2520832.260	519.5700	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

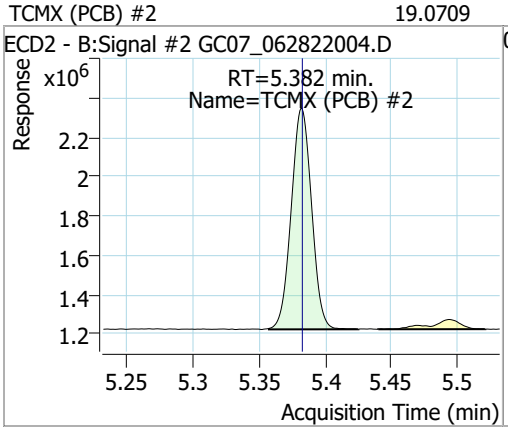
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	18.2345	5.04	0.00	4500987				

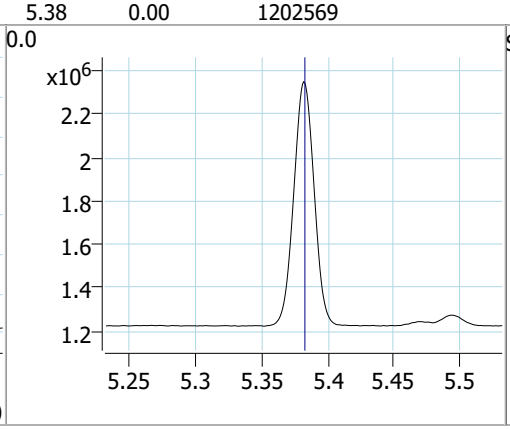


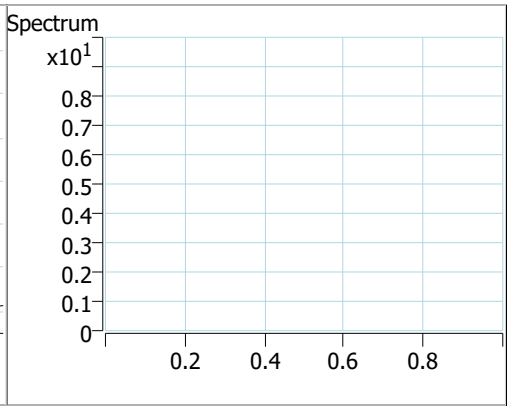




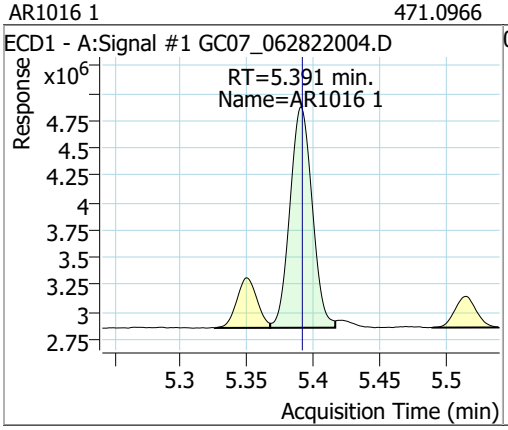
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	19.0709	5.38	0.00	1202569				

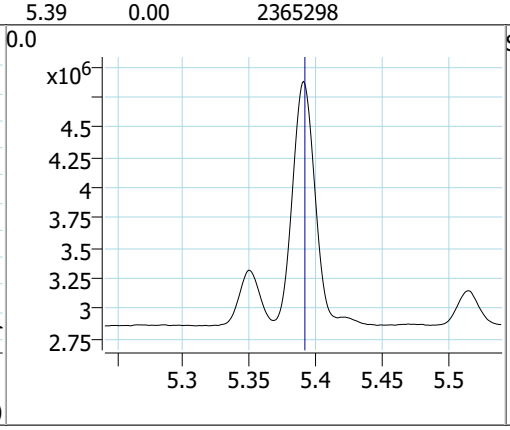


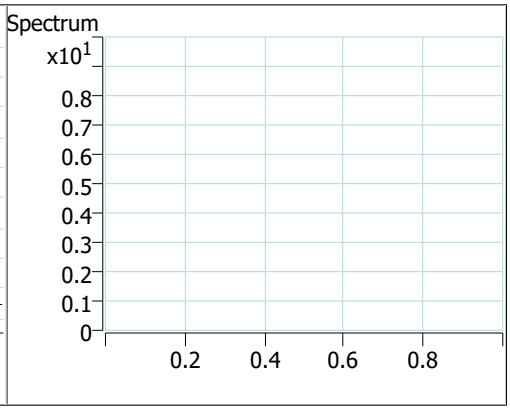




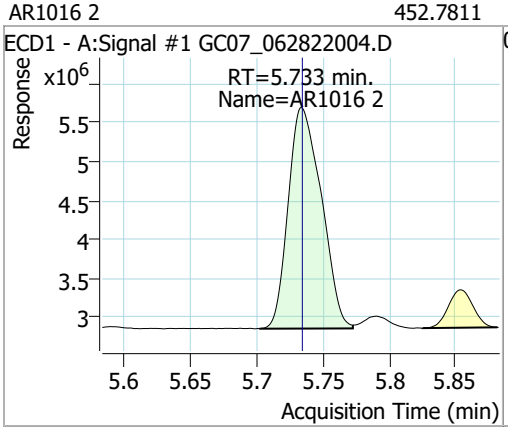
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	471.0966	5.39	0.00	2365298				

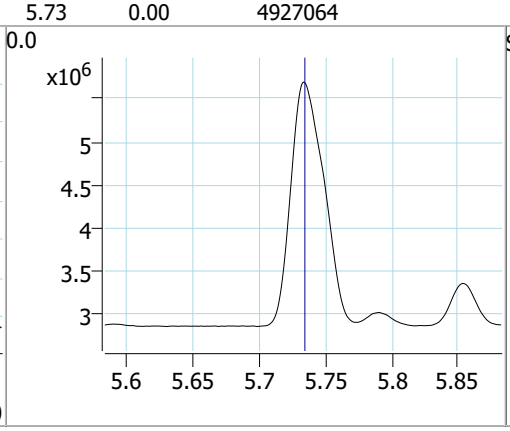


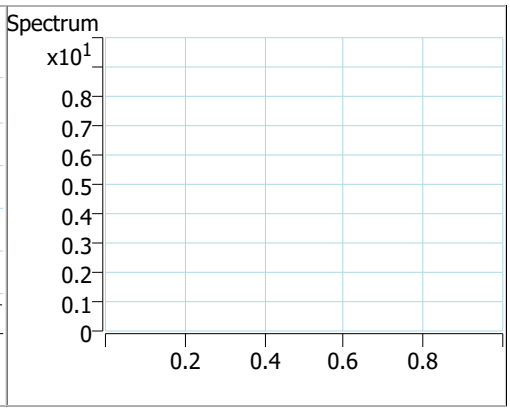




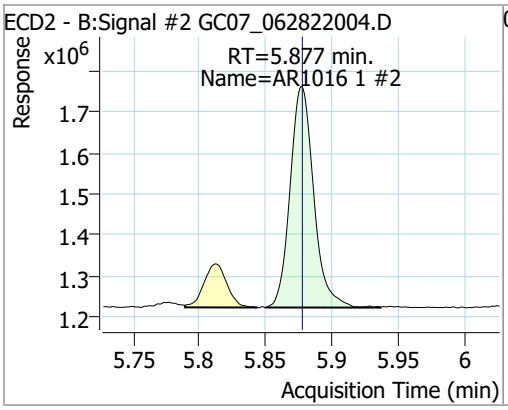
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	452.7811	5.73	0.00	4927064				

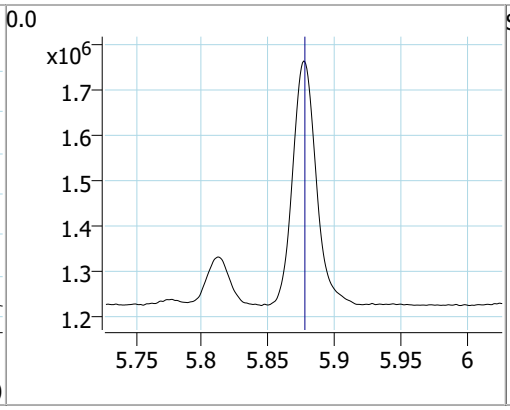


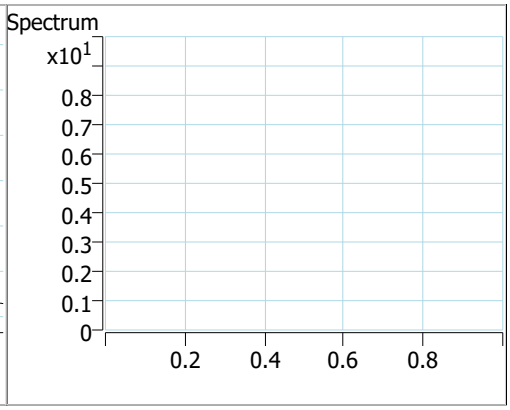




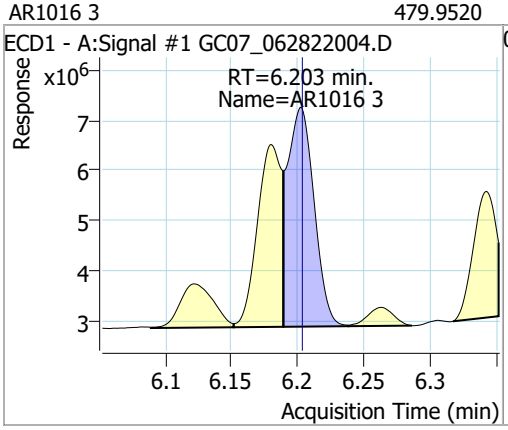
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	479.3659	5.88	0.00	670760				

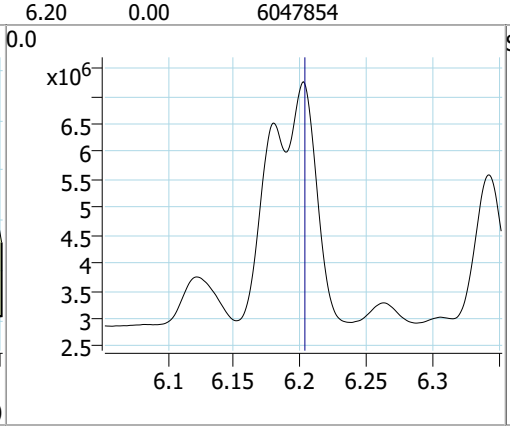


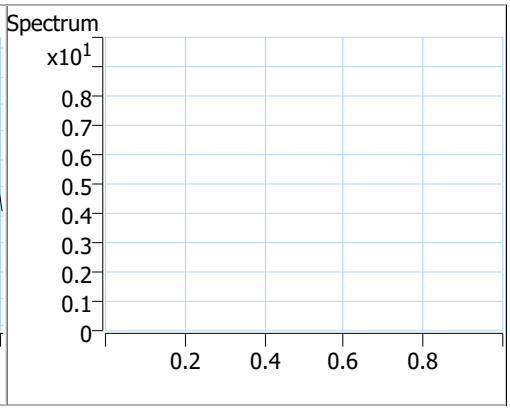




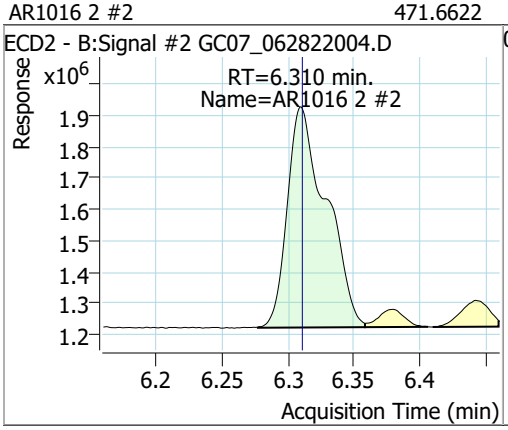
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	479.9520	6.20	0.00	6047854				

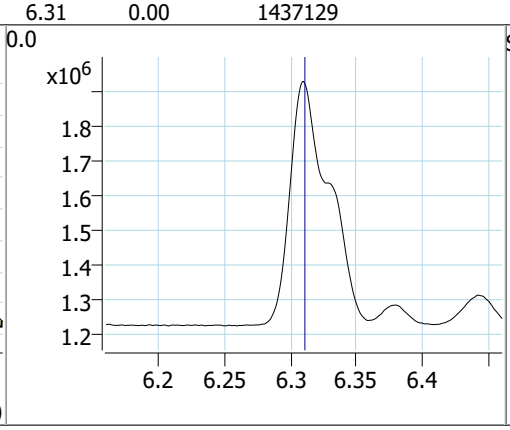


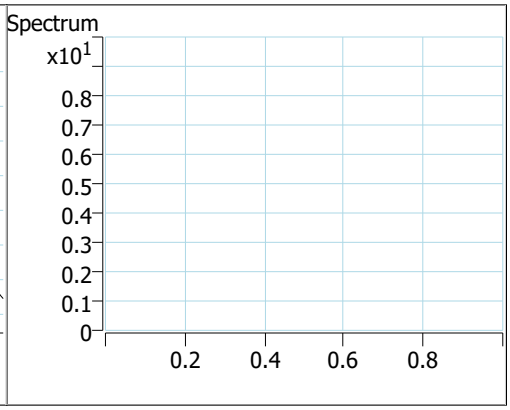




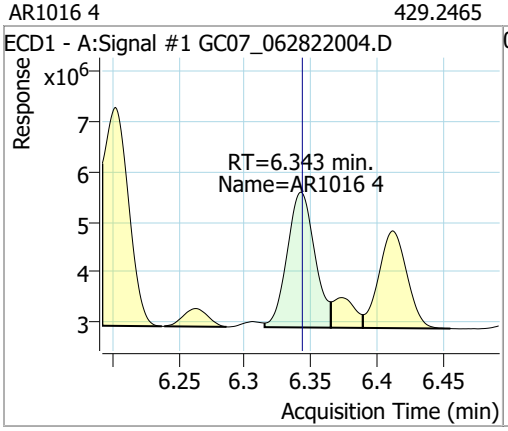
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	471.6622	6.31	0.00	1437129				

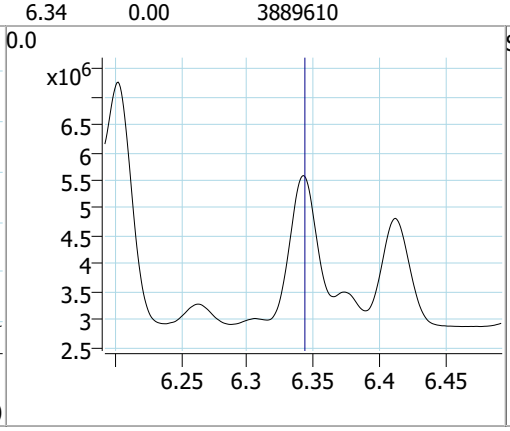


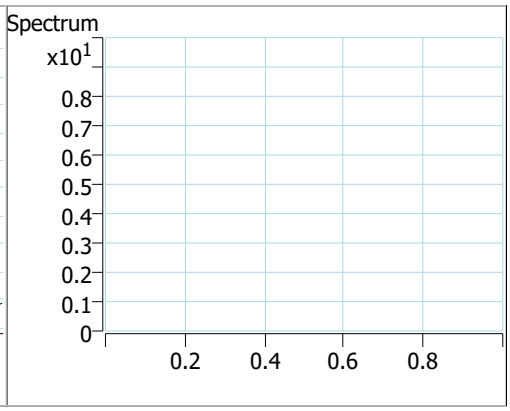




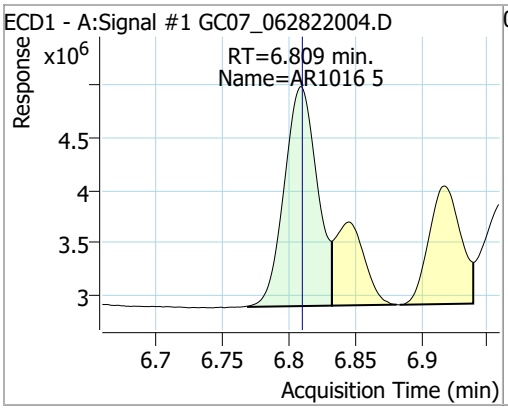
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	429.2465	6.34	0.00	3889610				

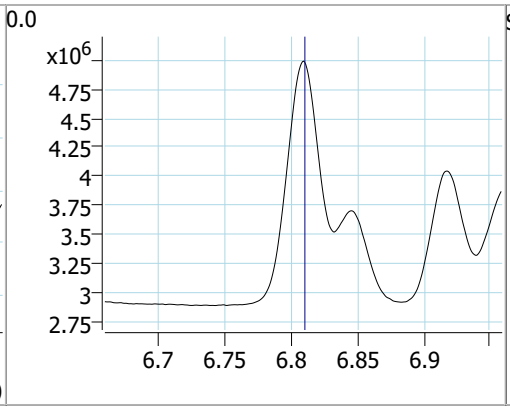


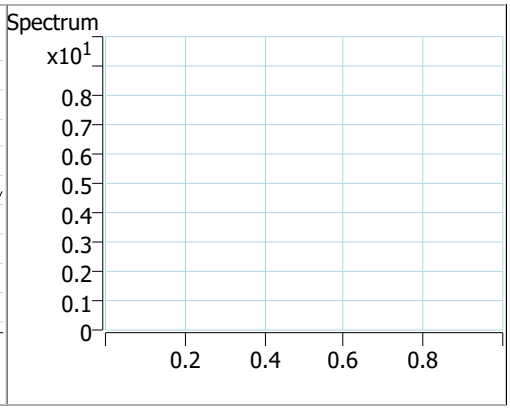




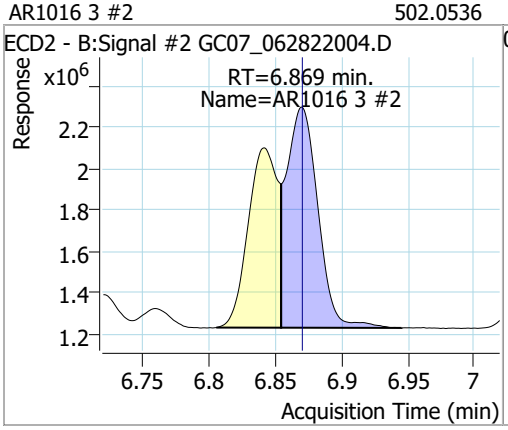
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	479.4264	6.81	0.00	3618666				

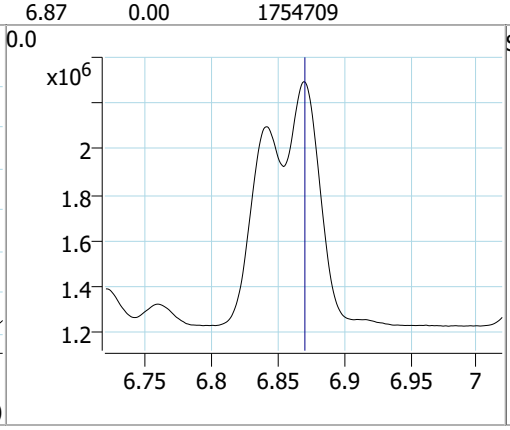


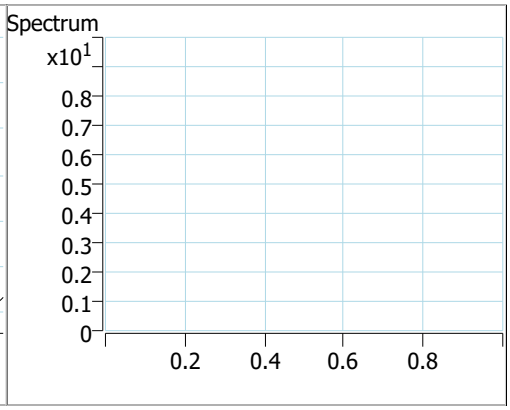




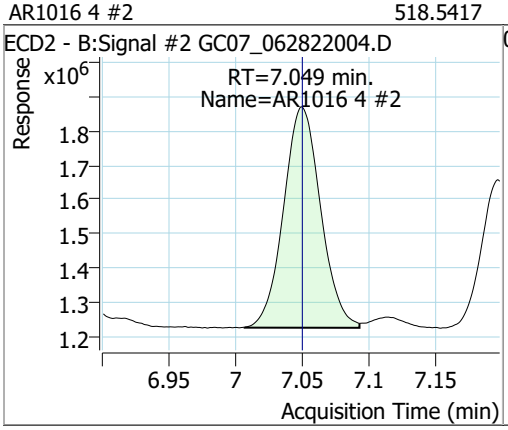
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	502.0536	6.87	0.00	1754709				

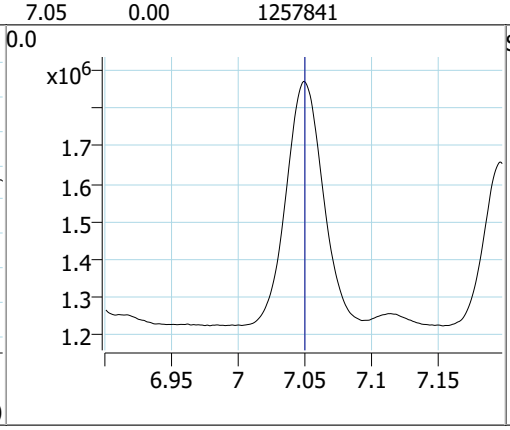


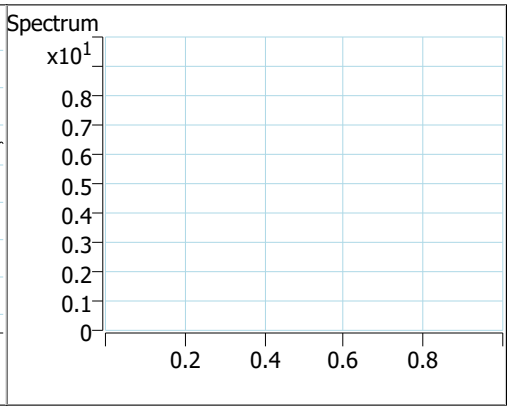




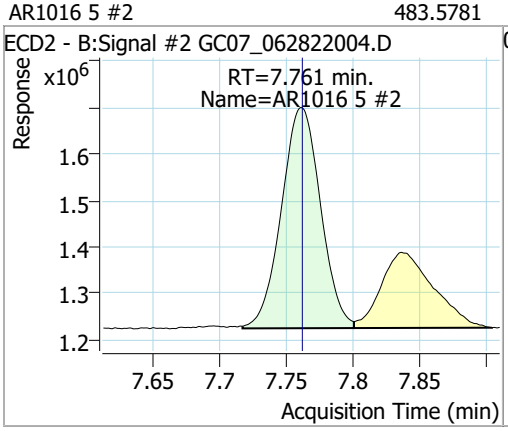
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	518.5417	7.05	0.00	1257841				

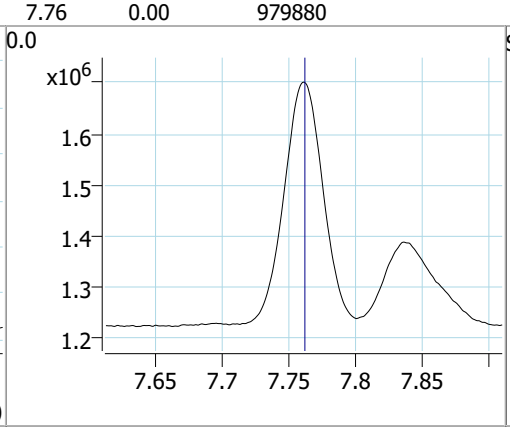


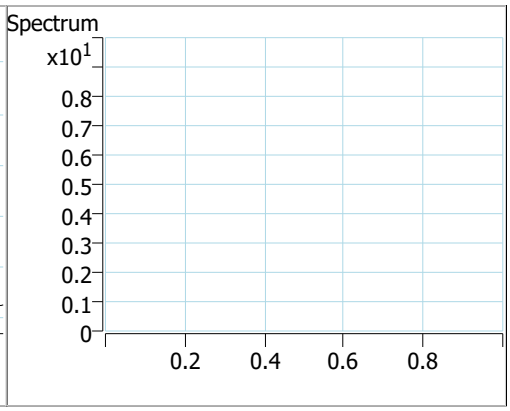




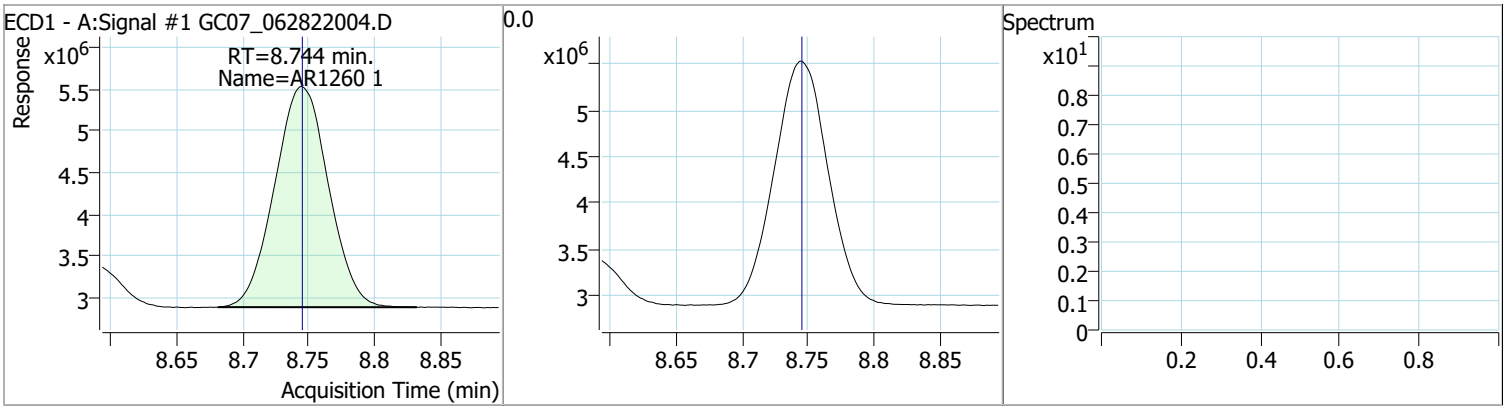
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	483.5781	7.76	0.00	979880				



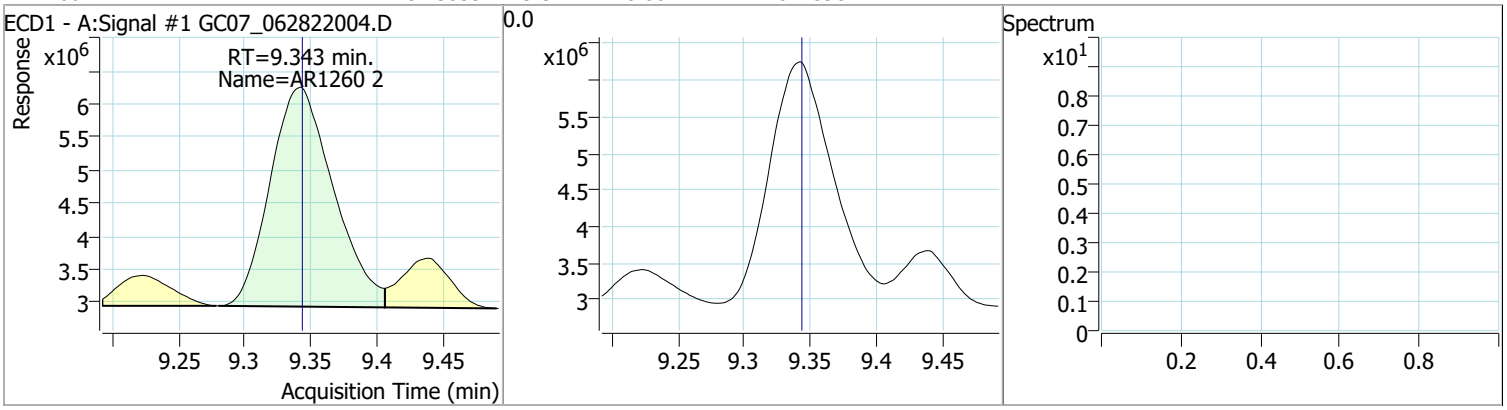




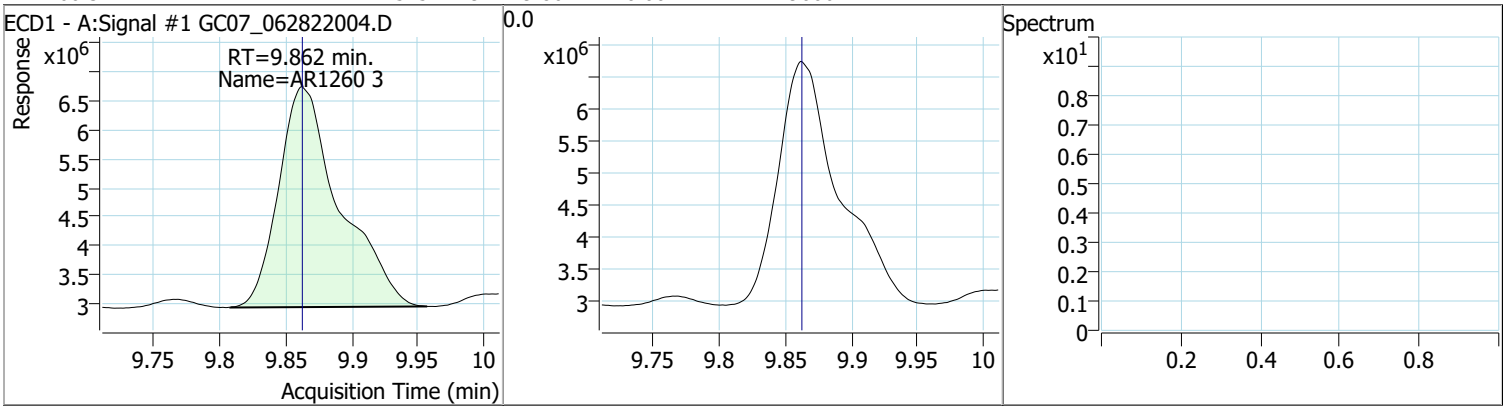
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	466.9149	8.74	0.00	7442303				



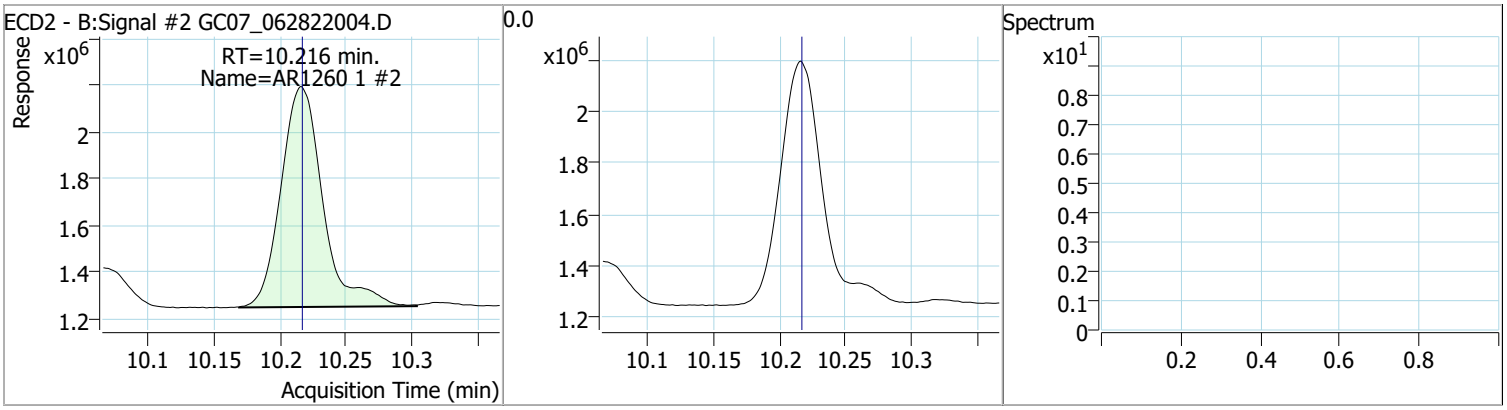
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	481.3853	9.34	0.00	11014598				



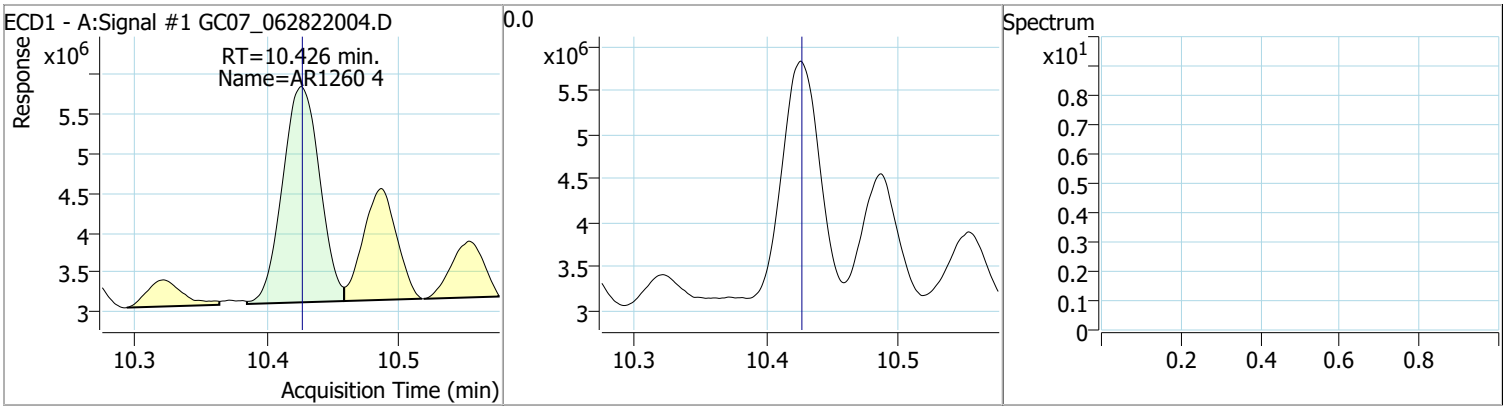
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	525.7249	9.86	0.00	12190061				



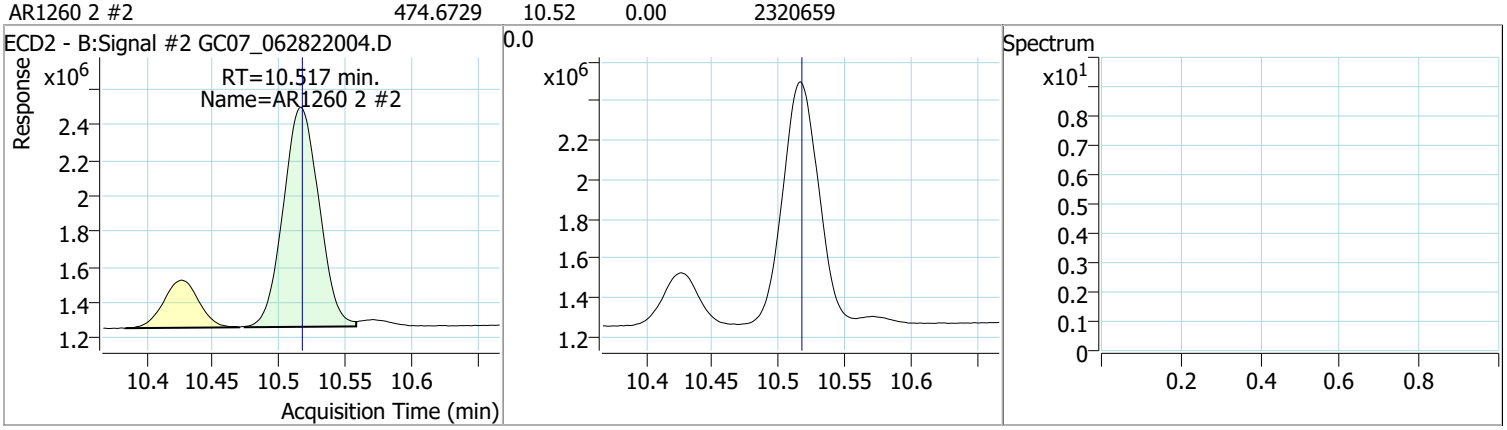
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	474.2291	10.22	0.00	2086835				



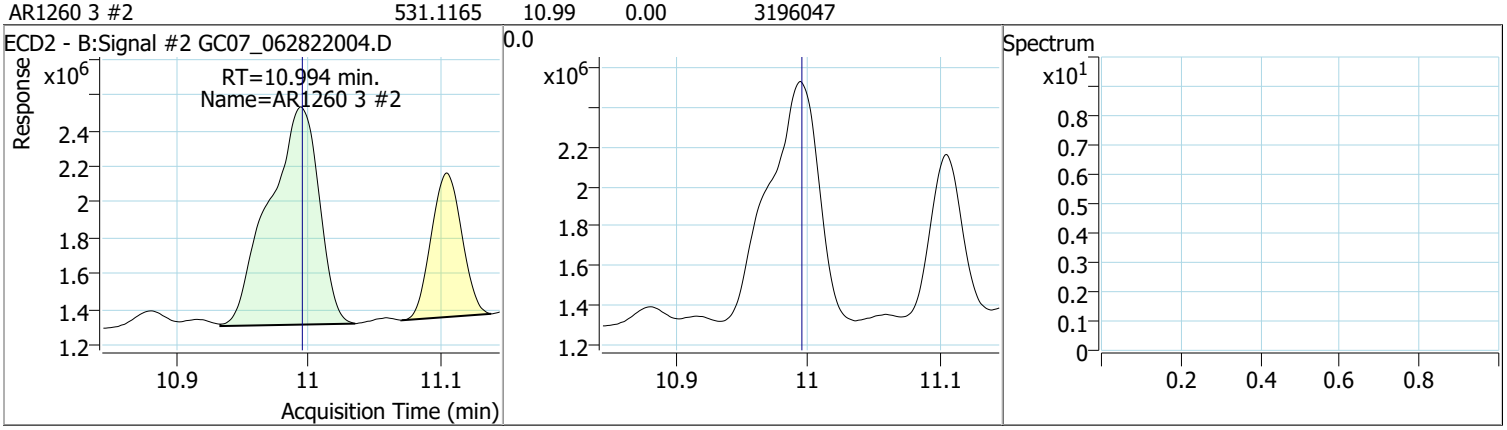
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	447.7978	10.43	0.00	5307953				



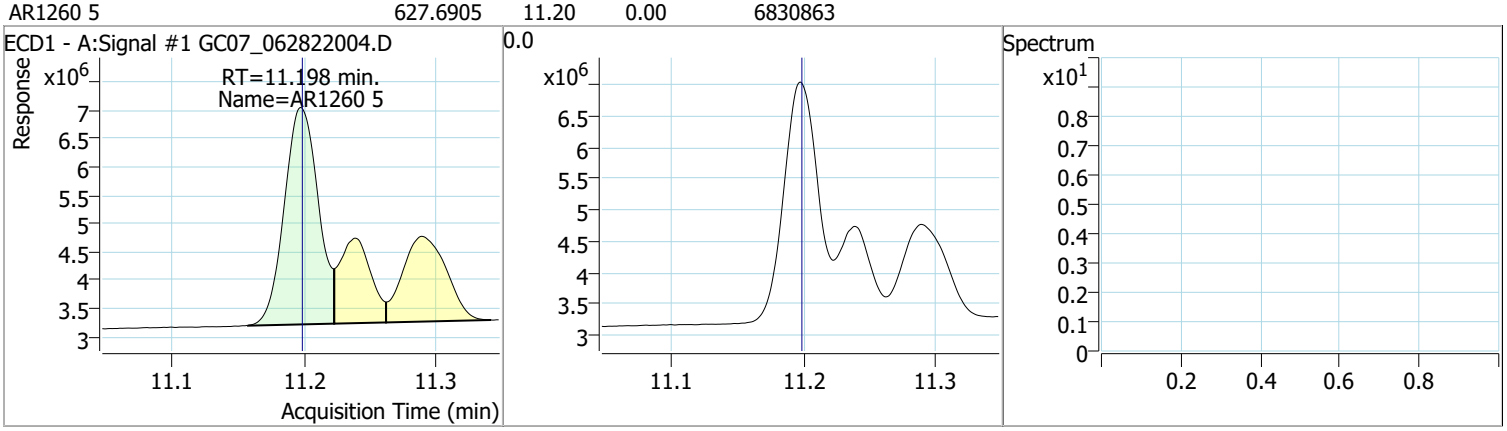
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	474.6729	10.52	0.00	2320659				



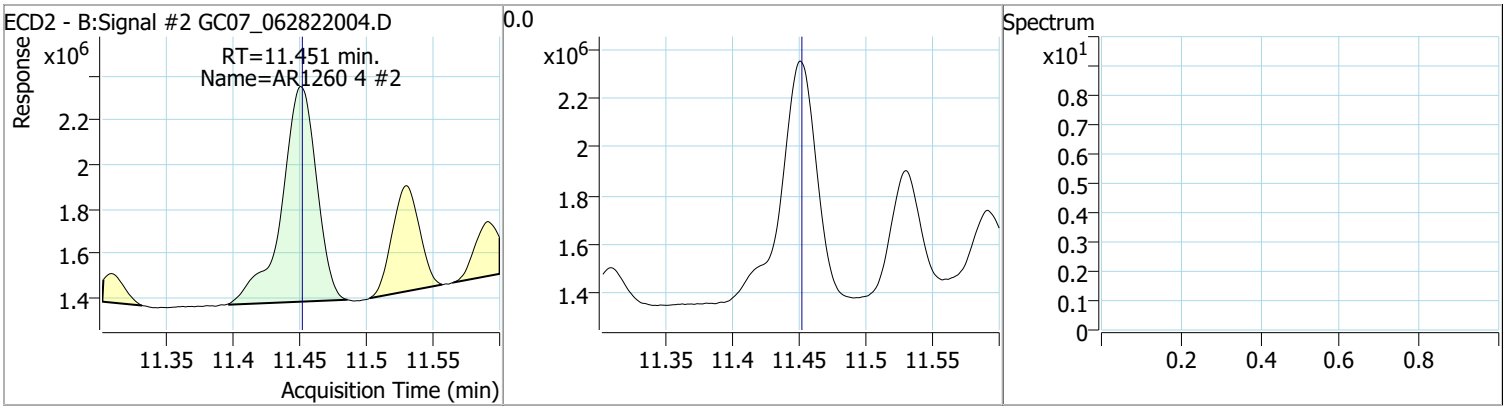
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	531.1165	10.99	0.00	3196047				



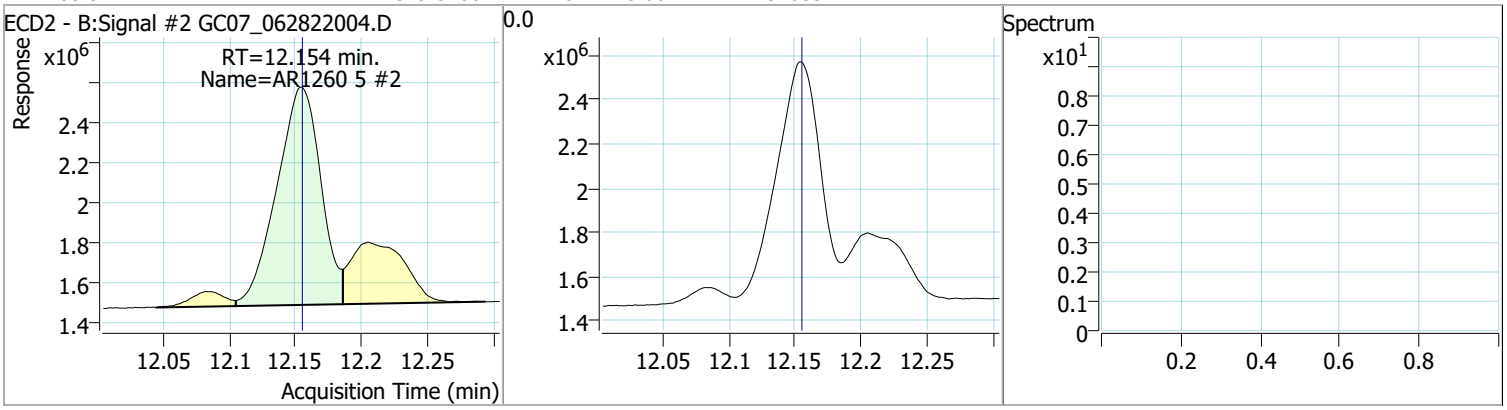
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	627.6905	11.20	0.00	6830863				



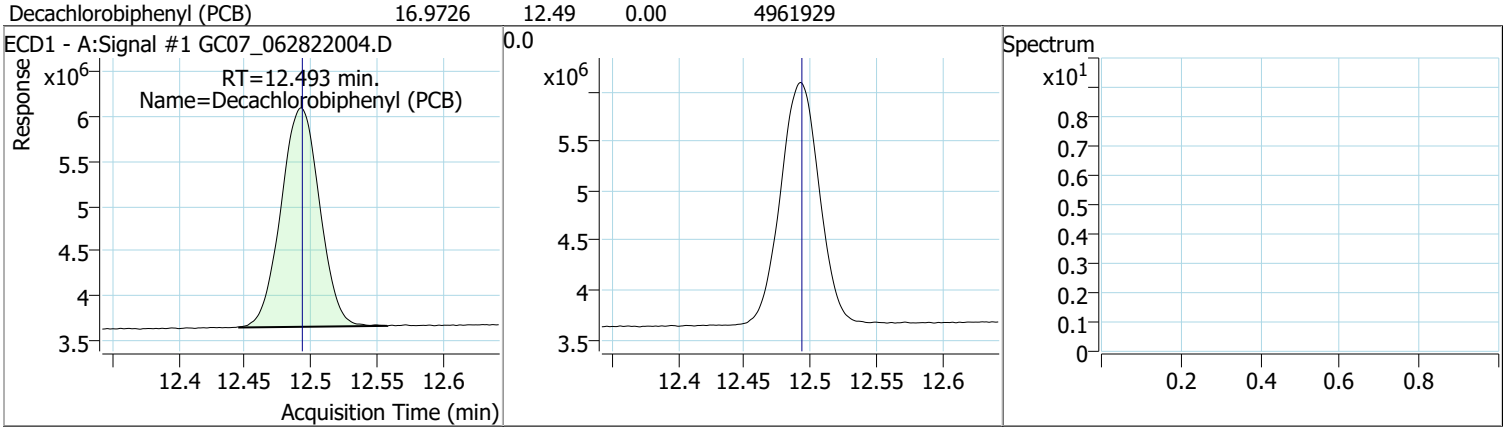
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	530.5347	11.45	0.00	1791212				



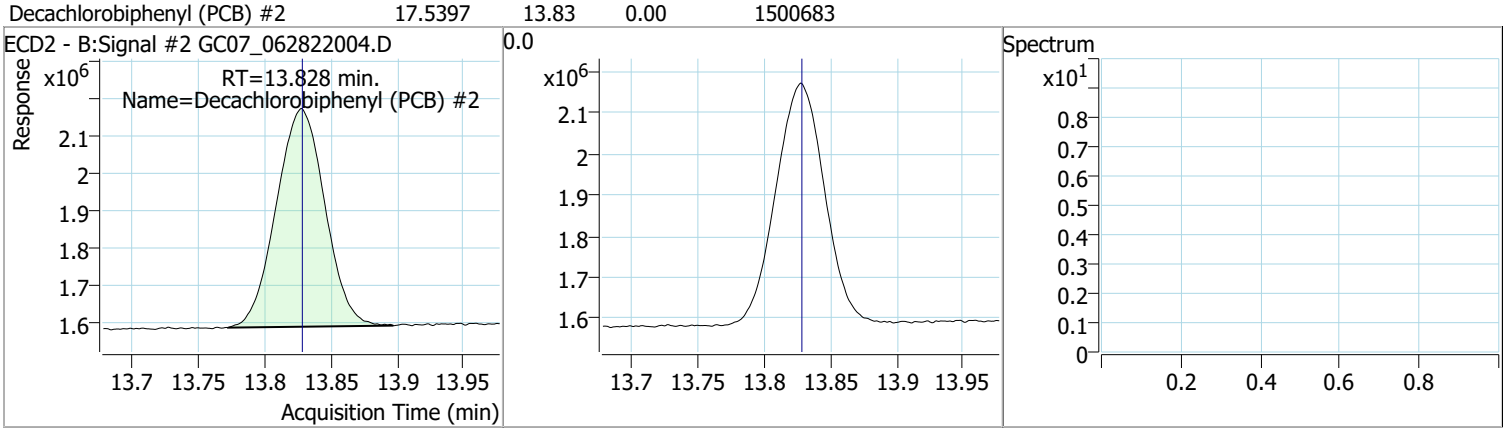
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	519.5700	12.15	0.00	2520832				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	16.9726	12.49	0.00	4961929				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	17.5397	13.83	0.00	1500683				



Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 464405
Report Level: IV
Report Date: 01/05/2023

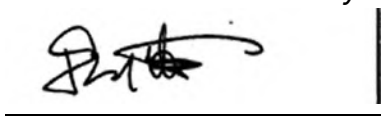
Metals

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	464405
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	06/16/22

Sample ID	Lab ID	Collected	Matrix
DOOR-N-0.1GW-DG-13 TO 27-220615-L-LA	464405-002	06/15/22 09:42	Wipe
DOOR-N-0.1GW-DG-13 TO 27-220615-L-DUP-LA	464405-003	06/15/22 09:42	Wipe
DOOR-N-0.9GW-INT-27 TO 15-220615-L-CB	464405-005	06/15/22 12:23	Wipe
DOOR-N-0.7GW-EXT-12 TO 13-220615-L-CB	464405-007	06/15/22 10:16	Wipe
DOOR-N-0.9GW-PS-26-220615-L-LA	464405-009	06/15/22 10:32	Wipe
DOOR-N-0.1GE-PS-26-220615-L-LA	464405-011	06/15/22 11:56	Wipe
DOOR-N-0.1GE-DG-14 TO 27-220615-L-LA	464405-013	06/15/22 11:43	Wipe
DOOR-N-0.9GE-PS-26-220615-L-LA	464405-016	06/15/22 10:50	Wipe

Case Narrative

METALS (EPA 6010B)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 464405 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 06/16/22

This data package contains sample and QC results for eight wipe samples, requested for the above referenced project on 06/16/22. See attached cooler receipt form for any sample receipt problems or discrepancies.

Metals (EPA 6010B):

No analytical problems were encountered.

Chain of Custody

464405

ENTHALPY ANALYTICAL

Chain of Custody Record — Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim and T. Sinnott

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Report requires Stage 3 Data Validation

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
1	DOOR-N-0.1GW-DG-13 TO 27-220615-P- LA	6/15/22	0947	WP	1		X		
2	DOOR-N-0.1GW-DG-13 TO 27-220615-L- LA		0947	WP	1			X	
3	DOOR-N-0.1GW-DG-13 TO 27-220615-L-DUP- LA		0942	WP	1			X	
4	DOOR-N-0.3GW-INT-27 TO 15-220615-P- CB		1223	WP	1		X		
5	DOOR-N-0.3GW-INT-27 TO 15-220615-L- CB		1223	WP	1			X	
6	~~DOOR-N-0.5GW-DG-14 TO 27-220615-P-~~			WP					
7	~~DOOR-N-0.5GW-DG-14 TO 27-220615-L-~~			WP					
8	DOOR-N-0.7GW-EXT-12 TO 13-220615-P- CB		1016	WP	1		X		
9	DOOR-N-0.7GW-EXT-12 TO 13-220615-L- CB		1016	WP	1			X	
10	DOOR-N-0.9GW-PS-26-220615-P- LA		1032	WP	1		X		
11	DOOR-N-0.9GW-PS-26-220615-L- LA		1032	WP	1			X	
12	DOOR-N-0.1GE-PS-26-220615-P- LA		1156	WP	1		X		
13	DOOR-N-0.1GE-PS-26-220615-L- LA		1156	WP	1			X	
14	~~DOOR-N-0.3GE-DG-13 TO 27-220615-P-~~			WP					
15	~~DOOR-N-0.3GE-DG-13 TO 27-220615-L-~~			WP					

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	TKrick	Tyler Sinnott	Rincon / Envi. Scientist	6/15/22 / 1730
1 Received By:		Fedex		6/16/22 0925
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

Chain of Custody Record — Page: 2 of 2 — COC ID: 116405

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim and T. Sinnott

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Report requires Stage 3 Data Validation

	Sample ID	Sampling	Sampling	Matrix	Container	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
16	DOOR-N-0.9GE-DG-14 TO 27-220615-P-LA	6/15/22	1143	WP	1		X		
17	DOOR-N-0.9GE-DG-14 TO 27-220615-L-LA		1143	WP	1			X	
18	~~DOOR-N-0.7GE-PS-27-220615-P-~~			~~WP~~					
19	~~DOOR-N-0.7GE-PS-27-220615-L-~~			~~WP~~					
20	DOOR-N-0.9GE-PS-26-220615-P-LA		1050	WP	1		X		
21	DOOR-N-0.9GE-PS-26-220615-P-DUP-LA		1050	WP	1		X		
22	DOOR-N-0.9GE-PS-26-220615-L-LA		1050	WP	1			X	
23									
24									
25									
26									
27									
28									
29									
30									

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	TSinnott	Tyler Sinnott	Rincon / Envi. Scientist	6/15/22 / 1730
1 Received By:		Fedex	GS	6/16/22 / 0925
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: RINCON CONSULTANTS Project: HANGAR 1 - NCTRA WP

Date Received: 6/16/22 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 4.5 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: FED EX

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.6 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?	✓		
If custody seals are present, were they intact?	✓		
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

CUSTODY SEAL PRESENT ON COOLER

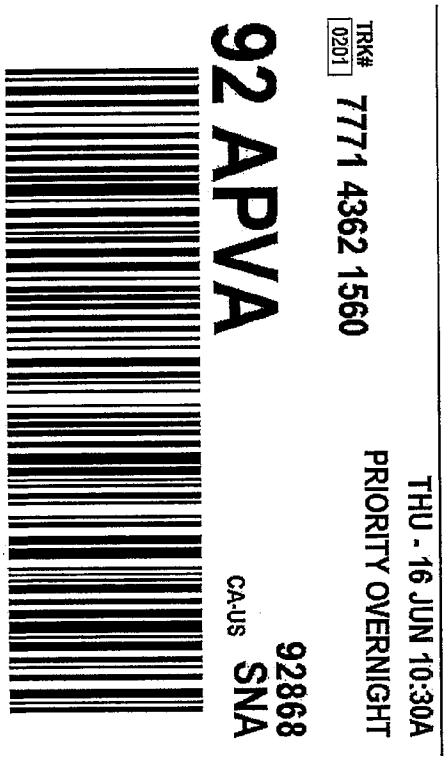
Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 6/16/22



After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

1.0/4.5

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID:

Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim and T. Sinnott

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation
Report PCB concentrations on a µg/100cm² basis
Report lead concentrations on a µg/ft² basis
Report Aroclor 1268 concentrations in addition to the standard Aroclors
Report requires Stage 3 Data Validation

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	
1	DOOR-N-0.1GW-DG-13 TO 27-220615-P- LA	6/15/22	0942	WP	1		X			
2	DOOR-N-0.1GW-DG-13 TO 27-220615-L- LA		0942	WP	1			X		Two of Rivet Type 3 = 0.035 ft² added; Total area = 1.035 ft² - TS
3	DOOR-N-0.1GW-DG-13 TO 27-220615-L-DUP- LA		0942	WP	1			X		Two of Rivet Type 3 = 0.035 ft² added; Total area = 1.035 ft² - TS
4	DOOR-N-0.3GW-INT-27 TO 15-220615-P- CB		1223	WP	1		X			
5	DOOR-N-0.3GW-INT-27 TO 15-220615-L- CB		1223	WP	1			X		
6	~~DOOR-N-0.5GW-DG-14 TO 27-220615-P-~~			~~WP~~						
7	~~DOOR-N-0.5GW-DG-14 TO 27-220615-L-~~			~~WP~~						
8	DOOR-N-0.7GW-EXT-12 TO 13-220615-P- CB		1016	WP	1		X			
9	DOOR-N-0.7GW-EXT-12 TO 13-220615-L- CB		1016	WP	1			X		
10	DOOR-N-0.9GW-PS-26-220615-P- LA		1032	WP	1		X			
11	DOOR-N-0.9GW-PS-26-220615-L- LA		1032	WP	1			X		Two of Rivet Type 3 = 0.035 ft² added; Total area = 1.035 ft² - TS
12	DOOR-N-0.1GE-PS-26-220615-P- LA		1156	WP	1		X			
13	DOOR-N-0.1GE-PS-26-220615-L- LA		1156	WP	1			X		Two of Rivet Type 3 = 0.035 ft² added; Total area = 1.035 ft² - TS
14	~~DOOR-N-0.3GE-DG-13 TO 27-220615-P-~~			~~WP~~						
15	~~DOOR-N-0.3GE-DG-13 TO 27-220615-L-~~			~~WP~~						

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	TKrivet	Tyler Sinnott	Rincon / Envi. Scientist	6/15/22 / 1730
[1] Received By:				
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID:

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

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Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim and T. Sinnott

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation
Report PCB concentrations on a µg/100cm² basis
Report lead concentrations on a µg/ft² basis
Report Aroclor 1268 concentrations in addition to the standard Aroclors
Report requires Stage 3 Data Validation

	Sample ID	Sampling	Sampling	Matrix	Container	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/60108	HOLD
16	DOOR-N-0.9GE-DG-14 TO 27-220615-P-LA	6/15/22	1143	WP	1		X		
17	DOOR-N-0.9GE-DG-14 TO 27-220615-L-LA		1143	WP	1			X	
18	~~DOOR-N-0.9GE-PS-27-220615-P-~~			~~WP~~					
19	~~DOOR-N-0.7GE-PS-27-220615-L-~~			~~WP~~					
20	DOOR-N-0.9GE-PS-26-220615-P-LA		1050	WP	1		X		
21	DOOR-N-0.9GE-PS-26-220615-P-DUP-LA		1050	WP	1		X		
22	DOOR-N-0.9GE-PS-26-220615-L-LA		1050	WP	1			X	
23									
24									
25									
26									
27									
28									
29									
30									

Two of Rivet Type 3 = 0.035 ft² added; Total area = 1.035 ft² - TS

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	T Sinnott	Tyler Sinnott	Rincon / Envi. Scientist	6/15/22 / 1730
[1] Received By:				
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

Results & QC Summary

ENTHALPY ANALYTICAL

Lead

Lab #: 464405 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.1GW-DG-13 TO 27-220615-L-LA **Batch#:** 291424 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/15/22 **Analysis:** EPA 6010B
Lab ID: 464405-002 **Received:** 06/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/17/22
Diln Fac: 1.000 **Analyzed:** 06/17/22

Analyte	Result	RL	Units
Lead	**59**	0.97	ug/ft2

Field ID: DOOR-N-0.1GW-DG-13 TO 27-220615-L-DUP-LA **Batch#:** 291424 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/15/22 **Analysis:** EPA 6010B
Lab ID: 464405-003 **Received:** 06/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/17/22
Diln Fac: 1.000 **Analyzed:** 06/17/22

Analyte	Result	RL	Units
Lead	**100**	0.97	ug/ft2

Field ID: DOOR-N-0.9GW-INT-27 TO 15-220615-L-CB **Batch#:** 291424 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/15/22 **Analysis:** EPA 6010B
Lab ID: 464405-005 **Received:** 06/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/17/22
Diln Fac: 1.000 **Analyzed:** 06/17/22

Analyte	Result	RL	Units
Lead	**98**	1.0	ug/ft2

Field ID: DOOR-N-0.7GW-EXT-12 TO 13-220615-L-CB **Batch#:** 291424 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/15/22 **Analysis:** EPA 6010B
Lab ID: 464405-007 **Received:** 06/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/17/22
Diln Fac: 1.000 **Analyzed:** 06/17/22

Analyte	Result	RL	Units
Lead	**85**	1.0	ug/ft2

Field ID: DOOR-N-0.9GW-PS-26-220615-L-LA **Batch#:** 291424 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/15/22 **Analysis:** EPA 6010B
Lab ID: 464405-009 **Received:** 06/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/17/22
Diln Fac: 1.000 **Analyzed:** 06/17/22

Analyte	Result	RL	Units
Lead	**76**	0.97	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 464405 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.1GE-PS-26-220615-L-LA **Batch#:** 291424 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/15/22 **Analysis:** EPA 6010B
Lab ID: 464405-011 **Received:** 06/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/17/22
Dlln Fac: 1.000 **Analyzed:** 06/17/22

Analyte	Result	RL	Units
Lead	**260**	0.97	ug/ft2

Field ID: DOOR-N-0.1GE-DG-14 TO 27-220615-L-LA **Batch#:** 291424 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/15/22 **Analysis:** EPA 6010B
Lab ID: 464405-013 **Received:** 06/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/17/22
Dlln Fac: 1.000 **Analyzed:** 06/17/22

Analyte	Result	RL	Units
Lead	**170**	1.0	ug/ft2

Field ID: DOOR-N-0.9GE-PS-26-220615-L-LA **Batch#:** 291424 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/15/22 **Analysis:** EPA 6010B
Lab ID: 464405-016 **Received:** 06/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/17/22
Dlln Fac: 1.000 **Analyzed:** 06/17/22

Analyte	Result	RL	Units
Lead	**270**	0.97	ug/ft2

Type: BLANK **Batch#:** 291424 **Analysis:** EPA 6010B
Lab ID: QC995585 **Prepared:** 06/17/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 06/17/22
Dlln Fac: 1.000 **Prep:** EPA 3050B

Analyte	Result	RL	Units
Lead	ND	1.0	ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 464405 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 291424 **Analysis:** EPA 6010B

Lab ID: QC995586 **Prepared:** 06/17/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 06/17/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	96.48	96	80-120	ug/ft2

Type: BSD **Batch#:** 291424 **Analysis:** EPA 6010B

Lab ID: QC995587 **Prepared:** 06/17/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 06/17/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	100.3	100	80-120	ug/ft2	4	20

Legend

RPD: Relative Percent Difference

REPORTING SUMMARY FOR 464405 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	PB	
464405-002	MET02	06/17/22 16:31	1.0	+	
464405-002	MET02	06/17/22 17:33	1.0		
464405-003	MET02	06/17/22 16:35	1.0	+	
464405-003	MET02	06/17/22 17:37	1.0		
464405-005	MET02	06/17/22 16:39	1.0	+	
464405-007	MET02	06/17/22 16:43	1.0	+	
464405-009	MET02	06/17/22 16:47	1.0	+	
464405-011	MET02	06/17/22 16:51	1.0	+	
464405-013	MET02	06/17/22 17:03	1.0	+	
464405-016	MET02	06/17/22 17:07	1.0	+	
QC995585	MET02	06/17/22 16:19	1.0	+	
QC995586	MET02	06/17/22 16:23	1.0	+	
QC995587	MET02	06/17/22 16:27	1.0	+	

Enthalpy Sequence Summary for Sequence 22242627

Instrument : MET02 Begun : 06/17/22 11:47
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met02_hg_060322	ICALBLK				06/17/22 11:47	1.0	1	
002	met02_hg_060322	ICAL	ICAL1			06/17/22 11:51	1.0	2 1	
003	met02_hg_060322	ICAL	ICAL2			06/17/22 11:55	1.0	3 1	
004	met02_hg_060322	ICAL	ICAL3			06/17/22 11:59	1.0	4 1	
005	met02_hg_060322	ICAL	ICAL4			06/17/22 12:03	1.0	5 1	
006	met02_hg_060322	ICAL	ICAL5			06/17/22 12:06	1.0	6 1	
007	met02_hg_060322	ICAL	ICAL6			06/17/22 12:09	1.0	7 1	
008	met02_hg_060322	ICAL	ICAL7			06/17/22 12:12	1.0	8 1	
009	met02_hg_060322	ICAL	ICAL8			06/17/22 12:16	1.0	9 1	
010	met02_hg_060322	XICV				06/17/22 12:19	1.0	10 1	
011	met02_hg_060322	ICV				06/17/22 12:23	1.0	10 1	
012	met02_hg_060322	ICB				06/17/22 12:27	1.0	1	
013	met02_hg_060322	ICSA				06/17/22 12:31	1.0	11 1	5:MGASMGCO3=1500
014	met02_hg_060322	ICSAB				06/17/22 12:34	1.0	12 1	4:MGASMGCO3=1400
015	met02_hg_060322	CRI				06/17/22 12:37	1.0	13 1	
016	met02_hg_060322	SAMPLE	461460-005	WET Leachate	291118	06/17/22 12:42	1.0	1	1:SI=16
017	met02_hg_060322	SAMPLE	463671-004	Soil	290479	06/17/22 12:46	1.0	1	
018	met02_hg_060322	SAMPLE	463671-005	Soil	290479	06/17/22 12:49	1.0	1	
019	met02_hg_060322	SAMPLE	463671-006	Soil	290479	06/17/22 12:52	1.0	1	
020	met02_hg_060322	SAMPLE	463671-007	Soil	290479	06/17/22 12:55	1.0	1	
021	met02_hg_060322	SAMPLE	463671-008	Soil	290479	06/17/22 12:58	1.0	1	1:FE=170
022	met02_hg_060322	SAMPLE	463671-009	Soil	290479	06/17/22 13:01	1.0	1	1:FE=160
023	met02_hg_060322	SAMPLE	463841-083	WET Leachate	291118	06/17/22 13:04	1.0	1	
024	met02_hg_060322	SAMPLE	463841-091	WET Leachate	291118	06/17/22 13:08	1.0	1	
025	met02_hg_060322	SAMPLE	463841-092	WET Leachate	291118	06/17/22 13:12	1.0	1	
026	met02_hg_060322	CCV/LCS	QC995626	Drinking Water	291434	06/17/22 13:16	1.0	10 1	
027	met02_hg_060322	CCB/MB	QC995625	Drinking Water	291434	06/17/22 13:20	1.0	1	
028	met02_hg_060322	SAMPLE	463841-070	Water	290747	06/17/22 13:32	1.0	1	
029	met02_hg_060322	SAMPLE	463841-093	Water	290747	06/17/22 13:36	1.0	1	
030	met02_hg_060322	SAMPLE	464364-001	Water	291311	06/17/22 13:40	5.0	1	
031	met02_hg_060322	MSS	464191-001	Drinking Water	291434	06/17/22 13:44	1.0	1	
032	met02_hg_060322	MS	QC995627	Drinking Water	291434	06/17/22 13:48	1.0	1	
033	met02_hg_060322	MSD	QC995628	Drinking Water	291434	06/17/22 13:52	1.0	1	
034	met02_hg_060322	SAMPLE	464237-001	Drinking Water	291434	06/17/22 13:56	1.0	1	
035	met02_hg_060322	SAMPLE	464239-001	Drinking Water	291434	06/17/22 14:00	1.0	1	
036	met02_hg_060322	SAMPLE	464241-001	Drinking Water	291434	06/17/22 14:04	1.0	1	
037	met02_hg_060322	SAMPLE	464294-001	Drinking Water	291434	06/17/22 14:08	1.0	1	
038	met02_hg_060322	CCV				06/17/22 14:12	1.0	10 1	
039	met02_hg_060322	CCB				06/17/22 14:16	1.0	1	
040	met02_hg_060322	XSAMPLE	464368-001	Drinking Water	291434	06/17/22 14:20	1.0	1	
041	met02_hg_060322	XBLANK	QC995582	Air	291423	06/17/22 14:24	1.0	1	
042	met02_hg_060322	XBS	QC995583	Air	291423	06/17/22 14:28	1.0	1	
043	met02_hg_060322	XBSD	QC995584	Air	291423	06/17/22 14:34	1.0	1	
044	met02_hg_060322	XSAMPLE	464341-001	Air	291423	06/17/22 14:38	1.0	1	
045	met02_hg_060322	XSAMPLE	464341-003	Air	291423	06/17/22 14:42	1.0	1	
046	met02_hg_060322	XSAMPLE	464341-005	Air	291423	06/17/22 14:46	1.0	1	
047	met02_hg_060322	XSAMPLE	464404-001	Air	291423	06/17/22 14:50	1.0	1	
048	met02_hg_060322	XSAMPLE	464404-003	Air	291423	06/17/22 14:54	1.0	1	
049	met02_hg_060322	XSAMPLE	464404-004	Air	291423	06/17/22 14:58	1.0	1	
050	met02_hg_060322	XBLANK	QC995585	Wipe	291424	06/17/22 15:02	1.0	1	
051	met02_hg_060322	XBS	QC995586	Wipe	291424	06/17/22 15:06	1.0	1	
052	met02_hg_060322	XBSD	QC995587	Wipe	291424	06/17/22 15:10	1.0	1	

Enthalpy Sequence Summary for Sequence 22242627

Instrument : MET02 Begun : 06/17/22 11:47
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met02_hg_060322	XSAMPLE	464404-004	Air	291423	06/17/22 15:16	1.0	1	
054	met02_hg_060322	CCV				06/17/22 15:19	1.0	10 1	
055	met02_hg_060322	CCB				06/17/22 15:23	1.0	1	
056	met02_hg_060322	SAMPLE	464368-001	Drinking Water	291434	06/17/22 15:28	1.0	1	
057	met02_hg_060322	BLANK	QC995582	Air	291423	06/17/22 15:32	1.0	1	
058	met02_hg_060322	BS	QC995583	Air	291423	06/17/22 15:36	1.0	1	
059	met02_hg_060322	BSD	QC995584	Air	291423	06/17/22 15:40	1.0	1	
060	met02_hg_060322	SAMPLE	464180-003	Soil	291189	06/17/22 15:44	1.0	1	
061	met02_hg_060322	SAMPLE	464341-001	Air	291423	06/17/22 15:47	1.0	1	
062	met02_hg_060322	SAMPLE	464341-003	Air	291423	06/17/22 15:51	1.0	1	
063	met02_hg_060322	SAMPLE	464341-005	Air	291423	06/17/22 15:55	1.0	1	
064	met02_hg_060322	SAMPLE	464404-001	Air	291423	06/17/22 15:59	1.0	1	
065	met02_hg_060322	SAMPLE	464404-003	Air	291423	06/17/22 16:03	1.0	1	
066	met02_hg_060322	CCV				06/17/22 16:07	1.0	10 1	
067	met02_hg_060322	CCB				06/17/22 16:11	1.0	1	
068	met02_hg_060322	SAMPLE	464404-004	Air	291423	06/17/22 16:15	1.0	1	
069	met02_hg_060322	BLANK	QC995585	Wipe	291424	06/17/22 16:19	1.0	1	
070	met02_hg_060322	BS	QC995586	Wipe	291424	06/17/22 16:23	1.0	1	
071	met02_hg_060322	BSD	QC995587	Wipe	291424	06/17/22 16:27	1.0	1	
072	met02_hg_060322	SAMPLE	464405-002	Wipe	291424	06/17/22 16:31	1.0	1	
073	met02_hg_060322	SAMPLE	464405-003	Wipe	291424	06/17/22 16:35	1.0	1	
074	met02_hg_060322	SAMPLE	464405-005	Wipe	291424	06/17/22 16:39	1.0	1	
075	met02_hg_060322	SAMPLE	464405-007	Wipe	291424	06/17/22 16:43	1.0	1	
076	met02_hg_060322	SAMPLE	464405-009	Wipe	291424	06/17/22 16:47	1.0	1	
077	met02_hg_060322	SAMPLE	464405-011	Wipe	291424	06/17/22 16:51	1.0	1	
078	met02_hg_060322	CCV				06/17/22 16:55	1.0	10 1	
079	met02_hg_060322	CCB				06/17/22 16:59	1.0	1	
080	met02_hg_060322	SAMPLE	464405-013	Wipe	291424	06/17/22 17:03	1.0	1	
081	met02_hg_060322	SAMPLE	464405-016	Wipe	291424	06/17/22 17:07	1.0	1	
082	met02_hg_060322	XCCV				06/17/22 17:11	1.0	10 1	
083	met02_hg_060322	CCV				06/17/22 17:15	1.0	10 1	
084	met02_hg_060322	CCB				06/17/22 17:19	1.0	1	
085	met02_hg_060322	BLANK	QC995190	Miscell.	291263	06/17/22 17:25	1.0	1	
086	met02_hg_060322	LCS	QC995191	Miscell.	291263	06/17/22 17:28	1.0	1	
087	met02_hg_060322	SAMPLE	464405-002	Wipe	291424	06/17/22 17:33	1.0	1	
088	met02_hg_060322	SAMPLE	464405-003	Wipe	291424	06/17/22 17:37	1.0	1	
089	met02_hg_060322	SAMPLE	463841-003	WET Leachate	290925	06/17/22 17:41	1.0	1	
090	met02_hg_060322	SAMPLE	463841-037	WET Leachate	290927	06/17/22 17:45	1.0	1	1:SULFUR=130
091	met02_hg_060322	MSS	463841-063	Soil	291263	06/17/22 17:49	1.0	1	2:ALASAL2O3=320
092	met02_hg_060322	MS	QC995196	Soil	291263	06/17/22 17:52	1.0	1	3:ALASAL2O3=590
093	met02_hg_060322	MSD	QC995197	Soil	291263	06/17/22 17:55	1.0	1	3:ALASAL2O3=520
094	met02_hg_060322	PDS	QC995203	Soil	291263	06/17/22 17:58	1.0	1	1:SI=10
095	met02_hg_060322	CCV				06/17/22 18:02	1.0	10 1	
096	met02_hg_060322	CCB				06/17/22 18:06	1.0	1	
097	met02_hg_060322	SAMPLE	463841-064	Soil	291263	06/17/22 18:10	1.0	1	1:FE=190
098	met02_hg_060322	SAMPLE	464054-001	Miscell.	291263	06/17/22 18:13	1.0	1	
099	met02_hg_060322	SAMPLE	464057-001	Miscell.	291263	06/17/22 18:17	1.0	1	1:FE=210
100	met02_hg_060322	SAMPLE	464057-002	Miscell.	291263	06/17/22 18:20	1.0	1	1:FE=210
101	met02_hg_060322	SAMPLE	464057-003	Miscell.	291263	06/17/22 18:23	1.0	1	1:FE=240
102	met02_hg_060322	SAMPLE	464057-004	Miscell.	291263	06/17/22 18:26	1.0	1	1:FE=220
103	met02_hg_060322	SAMPLE	464211-001	Soil	291263	06/17/22 18:29	1.0	1	1:FE=200
104	met02_hg_060322	BLANK	QC994996	Soil	291191	06/17/22 18:32	1.0	1	

Enthalpy Sequence Summary for Sequence 22242627

Instrument : MET02 Begun : 06/17/22 11:47
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
105	met02_hg_060322	LCS	QC994997	Soil	291191	06/17/22 18:36	1.0	1	
106	met02_hg_060322	MSS	464053-001	Soil	291191	06/17/22 18:40	1.0	1	3:ALASAL2O3=340
107	met02_hg_060322	CCV				06/17/22 18:43	1.0	10 1	
108	met02_hg_060322	CCB				06/17/22 18:47	1.0	1	
109	met02_hg_060322	MS	QC994998	Soil	291191	06/17/22 18:51	1.0	1	3:ALASAL2O3=460
110	met02_hg_060322	MSD	QC994999	Soil	291191	06/17/22 18:54	1.0	1	3:ALASAL2O3=440
111	met02_hg_060322	PDS	QC995000	Soil	291191	06/17/22 18:58	1.0	1	2:FE=220
112	met02_hg_060322	SAMPLE	464053-002	Soil	291191	06/17/22 19:01	1.0	1	1:FE=250
113	met02_hg_060322	SAMPLE	464053-003	Soil	291191	06/17/22 19:04	1.0	1	1:FE=220
114	met02_hg_060322	SAMPLE	464053-004	Soil	291191	06/17/22 19:07	1.0	1	1:FE=220
115	met02_hg_060322	SAMPLE	464053-005	Soil	291191	06/17/22 19:10	1.0	1	1:FE=210
116	met02_hg_060322	SAMPLE	464053-006	Soil	291191	06/17/22 19:13	1.0	1	1:FE=210
117	met02_hg_060322	SAMPLE	464094-001	Soil	291191	06/17/22 19:16	1.0	1	1:FE=170
118	met02_hg_060322	SAMPLE	464094-002	Soil	291191	06/17/22 19:19	1.0	1	
119	met02_hg_060322	CCV				06/17/22 19:22	1.0	10 1	
120	met02_hg_060322	CCB				06/17/22 19:26	1.0	1	
121	met02_hg_060322	SAMPLE	464094-003	Soil	291191	06/17/22 19:30	1.0	1	
122	met02_hg_060322	SAMPLE	464094-004	Soil	291191	06/17/22 19:33	1.0	1	1:FE=190
123	met02_hg_060322	SAMPLE	464129-003	Soil	291191	06/17/22 19:36	1.0	1	1:FE=280
124	met02_hg_060322	SAMPLE	464129-007	Soil	291191	06/17/22 19:39	1.0	1	1:FE=190
125	met02_hg_060322	SAMPLE	464129-009	Soil	291191	06/17/22 19:42	1.0	1	1:FE=220
126	met02_hg_060322	SAMPLE	464129-013	Soil	291191	06/17/22 19:45	1.0	1	1:FE=190
127	met02_hg_060322	SAMPLE	464129-017	Soil	291191	06/17/22 19:49	1.0	1	1:FE=190
128	met02_hg_060322	SAMPLE	464136-001	Soil	291191	06/17/22 19:52	1.0	1	1:FE=220
129	met02_hg_060322	SAMPLE	464136-002	Soil	291191	06/17/22 19:55	1.0	1	1:FE=220
130	met02_hg_060322	BLANK	QC995001	Soil	291192	06/17/22 19:58	1.0	1	
131	met02_hg_060322	CCV				06/17/22 20:02	1.0	10 1	
132	met02_hg_060322	CCB				06/17/22 20:06	1.0	1	
133	met02_hg_060322	LCS	QC995002	Soil	291192	06/17/22 20:10	1.0	1	
134	met02_hg_060322	MSS	464136-003	Soil	291192	06/17/22 20:14	1.0	1	3:ALASAL2O3=390
135	met02_hg_060322	MS	QC995003	Soil	291192	06/17/22 20:17	1.0	1	3:ALASAL2O3=490
136	met02_hg_060322	MSD	QC995004	Soil	291192	06/17/22 20:20	1.0	1	3:ALASAL2O3=480
137	met02_hg_060322	PDS	QC995005	Soil	291192	06/17/22 20:23	1.0	1	5:ALASAL2O3=380
138	met02_hg_060322	SAMPLE	464136-004	Soil	291192	06/17/22 20:26	1.0	1	1:FE=230
139	met02_hg_060322	SAMPLE	464136-005	Soil	291192	06/17/22 20:29	1.0	1	1:FE=200
140	met02_hg_060322	SAMPLE	464136-006	Soil	291192	06/17/22 20:32	1.0	1	1:FE=230
141	met02_hg_060322	SAMPLE	464136-007	Soil	291192	06/17/22 20:35	1.0	1	1:FE=220
142	met02_hg_060322	SAMPLE	464136-008	Soil	291192	06/17/22 20:38	1.0	1	1:FE=200
143	met02_hg_060322	CCV				06/17/22 20:41	1.0	10 1	
144	met02_hg_060322	CCB				06/17/22 20:45	1.0	1	
145	met02_hg_060322	SAMPLE	464136-009	Soil	291192	06/17/22 20:49	1.0	1	1:FE=220
146	met02_hg_060322	SAMPLE	464136-010	Soil	291192	06/17/22 20:52	1.0	1	1:FE=200
147	met02_hg_060322	SAMPLE	464176-001	Soil	291192	06/17/22 20:55	1.0	1	
148	met02_hg_060322	SAMPLE	464203-001	Soil	291192	06/17/22 20:58	1.0	1	1:FE=190
149	met02_hg_060322	SAMPLE	464209-001	Soil	291192	06/17/22 21:02	1.0	1	
150	met02_hg_060322	SAMPLE	464209-002	Soil	291192	06/17/22 21:05	1.0	1	1:FE=160
151	met02_hg_060322	SAMPLE	464255-001	Soil	291192	06/17/22 21:08	1.0	1	1:FE=170
152	met02_hg_060322	SAMPLE	464255-002	Soil	291192	06/17/22 21:11	1.0	1	1:FE=210
153	met02_hg_060322	SAMPLE	464255-003	Soil	291192	06/17/22 21:14	1.0	1	1:FE=160
154	met02_hg_060322	SAMPLE	464255-004	Soil	291192	06/17/22 21:17	1.0	1	1:FE=190
155	met02_hg_060322	CCV				06/17/22 21:20	1.0	10 1	
156	met02_hg_060322	CCB				06/17/22 21:24	1.0	1	

Enthalpy Sequence Summary for Sequence 22242627

Instrument : MET02 Begun : 06/17/22 11:47
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
157	met02_hg_060322	SAMPLE	464255-005	Soil	291192	06/17/22 21:28	1.0	1	1:FE=180
158	met02_hg_060322	SAMPLE	464255-008	Soil	291192	06/17/22 21:31	1.0	1	1:FE=190
159	met02_hg_060322	SAMPLE	464255-010	Soil	291192	06/17/22 21:34	1.0	1	1:FE=190
160	met02_hg_060322	SAMPLE	464255-013	Soil	291192	06/17/22 21:37	1.0	1	1:FE=220
161	met02_hg_060322	BLANK	QC995271	TCLP Leachate	291237	06/17/22 21:40	1.0	1	1:NA=1200
162	met02_hg_060322	LCS	QC995272	TCLP Leachate	291237	06/17/22 21:44	1.0	1	3:NA=1200
163	met02_hg_060322	SAMPLE	463542-046	TCLP Leachate	291237	06/17/22 21:48	1.0	1	2:NA=1100
164	met02_hg_060322	SAMPLE	463542-047	TCLP Leachate	291237	06/17/22 21:52	1.0	1	2:NA=1100
165	met02_hg_060322	SAMPLE	463542-048	TCLP Leachate	291237	06/17/22 21:56	1.0	1	1:NA=1100
166	met02_hg_060322	MSS	463542-050	TCLP Leachate	291237	06/17/22 22:00	1.0	1	3:NA=1200
167	met02_hg_060322	CCV				06/17/22 22:04	1.0	10 1	
168	met02_hg_060322	CCB				06/17/22 22:08	1.0	1	
169	met02_hg_060322	MS	QC995275	TCLP Leachate	291237	06/17/22 22:12	1.0	1	3:NA=1100
170	met02_hg_060322	MSD	QC995276	TCLP Leachate	291237	06/17/22 22:16	1.0	1	3:NA=1200
171	met02_hg_060322	SAMPLE	463542-051	TCLP Leachate	291237	06/17/22 22:21	1.0	1	2:NA=1200
172	met02_hg_060322	SAMPLE	463542-052	TCLP Leachate	291237	06/17/22 22:25	1.0	1	1:NA=1100
173	met02_hg_060322	SAMPLE	463542-053	TCLP Leachate	291237	06/17/22 22:29	1.0	1	2:NA=1200
174	met02_hg_060322	SAMPLE	463542-054	TCLP Leachate	291237	06/17/22 22:33	1.0	1	2:NA=1200
175	met02_hg_060322	SAMPLE	463751-013	TCLP Leachate	291237	06/17/22 22:37	1.0	1	2:NA=1200
176	met02_hg_060322	SAMPLE	463751-014	TCLP Leachate	291237	06/17/22 22:41	1.0	1	2:NA=1200
177	met02_hg_060322	SAMPLE	463751-015	TCLP Leachate	291237	06/17/22 22:45	1.0	1	1:NA=1300
178	met02_hg_060322	SAMPLE	463971-001	TCLP Leachate	291237	06/17/22 22:49	1.0	1	2:NA=1200
179	met02_hg_060322	CCV				06/17/22 22:53	1.0	10 1	
180	met02_hg_060322	CCB				06/17/22 22:57	1.0	1	
181	met02_hg_060322	SAMPLE	463971-002	TCLP Leachate	291237	06/17/22 23:01	1.0	1	1:NA=1100
182	met02_hg_060322	BLANK	QC995377	TCLP Leachate	291330	06/17/22 23:05	1.0	1	1:NA=1100
183	met02_hg_060322	LCS	QC995378	TCLP Leachate	291330	06/17/22 23:09	1.0	1	3:NA=1100
184	met02_hg_060322	MSS	463508-017	TCLP Leachate	291330	06/17/22 23:13	1.0	1	4:CAASCACO3=1500
185	met02_hg_060322	MS	QC995379	TCLP Leachate	291330	06/17/22 23:17	1.0	1	4:CAASCACO3=1600
186	met02_hg_060322	MSD	QC995380	TCLP Leachate	291330	06/17/22 23:22	1.0	1	4:CAASCACO3=1700
187	met02_hg_060322	SAMPLE	463508-018	TCLP Leachate	291330	06/17/22 23:26	1.0	1	2:NA=1200
188	met02_hg_060322	SAMPLE	463508-019	TCLP Leachate	291330	06/17/22 23:30	1.0	1	2:NA=1200
189	met02_hg_060322	SAMPLE	463508-020	TCLP Leachate	291330	06/17/22 23:34	1.0	1	3:NA=1200
190	met02_hg_060322	SAMPLE	463508-021	TCLP Leachate	291330	06/17/22 23:38	1.0	1	3:NA=1100
191	met02_hg_060322	CCV				06/17/22 23:42	1.0	10 1	
192	met02_hg_060322	CCB				06/17/22 23:46	1.0	1	
193	met02_hg_060322	SAMPLE	463508-022	TCLP Leachate	291330	06/17/22 23:50	1.0	1	2:NA=1200
194	met02_hg_060322	CCV				06/17/22 23:54	1.0	10 1	
195	met02_hg_060322	CCB				06/17/22 23:58	1.0	1	

SBW 06/17/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 079.

SBW 06/17/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 080 through 085.

SBW 06/20/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 086 through 195.

Standards used: 1=S13369 2=S16951 3=S16949 4=S16948 5=S16947 6=S16645 7=S16518 8=S16959 9=S16519 10=S16870 11=S16979 12=S16601 13=S16646

Enthalpy Internal Standard Summary for Sequence 22242627

Date : 06/17/22 Reference : met02_hg_060322
Sequence : MET02 06/17/22 Analyzed : 06/17/22 11:47

#	Type	Sample ID	Y A
		ICALBLK STD	391967
		LOWER LIMIT	117590
		UPPER LIMIT	783935
012	ICB		395572
013	ICSA		326907
014	ICSAB		325856
016	SAMPLE	461460-005	382651
017	SAMPLE	463671-004	379795
018	SAMPLE	463671-005	368388
019	SAMPLE	463671-006	374961
020	SAMPLE	463671-007	379940
021	SAMPLE	463671-008	380233
022	SAMPLE	463671-009	399039
023	SAMPLE	463841-083	387616
024	SAMPLE	463841-091	380661
025	SAMPLE	463841-092	389357
026	CCV/LCS	QC995626	359324
027	CCB/MB	QC995625	399890
028	SAMPLE	463841-070	416822
029	SAMPLE	463841-093	395819
030	SAMPLE	464364-001	403729
031	MSS	464191-001	390150
032	MS	QC995627	389429
033	MSD	QC995628	394513
034	SAMPLE	464237-001	414615
035	SAMPLE	464239-001	406856
036	SAMPLE	464241-001	418531
037	SAMPLE	464294-001	410846
038	CCV		370190
039	CCB		420185
054	CCV		360554
055	CCB		404924
056	SAMPLE	464368-001	410459
057	BLANK	QC995582	415103
058	BS	QC995583	398234
059	BSD	QC995584	386953
060	SAMPLE	464180-003	383650
061	SAMPLE	464341-001	412162
062	SAMPLE	464341-003	401827
063	SAMPLE	464341-005	406077
064	SAMPLE	464404-001	405860
065	SAMPLE	464404-003	402200
066	CCV		365030
067	CCB		396259
068	SAMPLE	464404-004	420942
069	BLANK	QC995585	410824
070	BS	QC995586	404932
071	BSD	QC995587	394619
072	SAMPLE	464405-002	418369
073	SAMPLE	464405-003	400264
074	SAMPLE	464405-005	406133

Enthalpy Internal Standard Summary for Sequence 22242627

Date : 06/17/22 Reference : met02_hg_060322
Sequence : MET02 06/17/22 Analyzed : 06/17/22 11:47

#	Type	Sample ID	Y A
075	SAMPLE	464405-007	387406
076	SAMPLE	464405-009	399796
077	SAMPLE	464405-011	399561
078	CCV		357726
079	CCB		415362
080	SAMPLE	464405-013	398881
081	SAMPLE	464405-016	397072
083	CCV		376148
084	CCB		404983
085	BLANK	QC995190	433265
086	LCS	QC995191	406351
087	SAMPLE	464405-002	406085
088	SAMPLE	464405-003	415771
089	SAMPLE	463841-003	383557
090	SAMPLE	463841-037	392668
091	MSS	463841-063	401984
092	MS	QC995196	393297
093	MSD	QC995197	398503
095	CCV		376182
096	CCB		398745
097	SAMPLE	463841-064	388341
098	SAMPLE	464054-001	402168
099	SAMPLE	464057-001	370728
100	SAMPLE	464057-002	356178
101	SAMPLE	464057-003	360671
102	SAMPLE	464057-004	363771
103	SAMPLE	464211-001	400392
104	BLANK	QC994996	413548
105	LCS	QC994997	404022
106	MSS	464053-001	391491
107	CCV		346005
108	CCB		393561
109	MS	QC994998	380238
110	MSD	QC994999	384772
112	SAMPLE	464053-002	379700
113	SAMPLE	464053-003	379229
114	SAMPLE	464053-004	393952
115	SAMPLE	464053-005	376001
116	SAMPLE	464053-006	388940
117	SAMPLE	464094-001	391952
118	SAMPLE	464094-002	391267
119	CCV		366939
120	CCB		399767
121	SAMPLE	464094-003	384362
122	SAMPLE	464094-004	398160
123	SAMPLE	464129-003	379059
124	SAMPLE	464129-007	390877
125	SAMPLE	464129-009	368434
126	SAMPLE	464129-013	372667
127	SAMPLE	464129-017	371931
128	SAMPLE	464136-001	374832
129	SAMPLE	464136-002	379419

Enthalpy Internal Standard Summary for Sequence 22242627

Date : 06/17/22 Reference : met02_hg_060322
Sequence : MET02 06/17/22 Analyzed : 06/17/22 11:47

#	Type	Sample ID	Y A
130	BLANK	QC995001	395061
131	CCV		347526
132	CCB		392997
133	LCS	QC995002	388431
134	MSS	464136-003	371389
135	MS	QC995003	372228
136	MSD	QC995004	372638
137	PDS	QC995005	367992
138	SAMPLE	464136-004	375471
139	SAMPLE	464136-005	380772
140	SAMPLE	464136-006	367716
141	SAMPLE	464136-007	376979
142	SAMPLE	464136-008	364946
143	CCV		350492
144	CCB		380335
145	SAMPLE	464136-009	376987
146	SAMPLE	464136-010	375502
147	SAMPLE	464176-001	385168
148	SAMPLE	464203-001	372560
149	SAMPLE	464209-001	385080
150	SAMPLE	464209-002	397713
151	SAMPLE	464255-001	377815
152	SAMPLE	464255-002	370849
153	SAMPLE	464255-003	387573
154	SAMPLE	464255-004	374051
155	CCV		350368
156	CCB		398231
157	SAMPLE	464255-005	385068
158	SAMPLE	464255-008	363319
159	SAMPLE	464255-010	365861
160	SAMPLE	464255-013	365318
161	BLANK	QC995271	333498
162	LCS	QC995272	344888
163	SAMPLE	463542-046	364014
164	SAMPLE	463542-047	377074
165	SAMPLE	463542-048	374632
166	MSS	463542-050	361667
167	CCV		393633
168	CCB		440902
169	MS	QC995275	350924
170	MSD	QC995276	353172
171	SAMPLE	463542-051	360639
172	SAMPLE	463542-052	322835
173	SAMPLE	463542-053	373909
174	SAMPLE	463542-054	367834
175	SAMPLE	463751-013	377090
176	SAMPLE	463751-014	379166
177	SAMPLE	463751-015	383929
178	SAMPLE	463971-001	346411
179	CCV		338371
180	CCB		355449
181	SAMPLE	463971-002	394650

Enthalpy Internal Standard Summary for Sequence 22242627

Date : 06/17/22 Reference : met02_hg_060322
Sequence : MET02 06/17/22 Analyzed : 06/17/22 11:47

#	Type	Sample ID	Y A
182	BLANK	QC995377	360419
183	LCS	QC995378	370406
184	MSS	463508-017	350206
185	MS	QC995379	388684
186	MSD	QC995380	379801
187	SAMPLE	463508-018	372080
188	SAMPLE	463508-019	351158
189	SAMPLE	463508-020	332010
190	SAMPLE	463508-021	332586
191	CCV		380335
192	CCB		419531
193	SAMPLE	463508-022	352325
194	CCV		737649
195	CCB		746201

ENTHALPY INITIAL CALIBRATION FOR 464405 METALS Wipe: EPA 6010B

Instrument:	MET02		
Calibration #:	22242627001	Date:	17-JUN-2022 11:47
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met02_hg_060322	22242627002	ICAL1	17-JUN-2022 11:51	S16951, S13369 (100X)
L2	met02_hg_060322	22242627003	ICAL2	17-JUN-2022 11:55	S16949, S13369 (100X)
L3	met02_hg_060322	22242627004	ICAL3	17-JUN-2022 11:59	S16948, S13369 (100X)
L4	met02_hg_060322	22242627005	ICAL4	17-JUN-2022 12:03	S16947, S13369 (100X)

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	450.00	444.00	448.00	433.23	LORG	0.00000	0.00231		443.81	1.000		5	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
LORG: Linear regression forced through origin

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D
Lead	A	0.0100	4	0.1000	2	1.0000	3	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 464405 METALS Wipe
EPA 6010B

Inst : MET02
Calnum : 22242627001 Cal Date : 17-JUN-2022

ICV 22242627011 (17-JUN-2022) stds: S16870, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	0.9501	mg/L	-5	

ENTHALPY INSTRUMENT BLANK FOR 464405 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22242627012 File : met02_hg_060322 Time : 17-JUN-2022 12:27
Cal : 22242627001 Caldate : 17-JUN-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.01000	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	391967	395572	0.92

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 464405 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22242627013 File : met02_hg_060322 Time : 17-JUN-2022 12:31
Cal : 22242627001 Caldate : 17-JUN-2022
Standards: S16979, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[0.006300]	0.01000	mg/L	

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Aluminum	A	400.0	437.7	mg/L	109	
Aluminum as Al2O3	A	755.8	827.0	mg/L	109	
Calcium	A	400.0	413.4	mg/L	103	
Calcium as CaCO3	A	998.9	1032	mg/L	103	
Iron	A	160.0	142.7	mg/L	89	
Iron as Fe2O3	A	228.8	204.0	mg/L	89	
Magnesium	A	400.0	427.4	mg/L	107	
Magnesium as MgCO3	A	1388	1483	mg/L	107	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	391967	326907	-16.60

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 464405 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22242627014 File : met02_hg_060322 Time : 17-JUN-2022 12:34
Cal : 22242627001 Caldate : 17-JUN-2022
Standards: S16601, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	0.9546	mg/L	-5	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	391967	325856	-16.87

ENTHALPY CONTINUING CALIBRATION FOR 464405 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22242627066 File : met02_hg_060322 Time : 17-JUN-2022 16:07
Cal : 22242627001 Caldate : 17-JUN-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	443.81	401.50	1.000	0.9264	mg/L	-7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	391967	365030	-6.87

ENTHALPY INSTRUMENT BLANK FOR 464405 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22242627067 File : met02_hg_060322 Time : 17-JUN-2022 16:11
Cal : 22242627001 Caldate : 17-JUN-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.01000	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	391967	396259	1.09

ENTHALPY CONTINUING CALIBRATION FOR 464405 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22242627078 File : met02_hg_060322 Time : 17-JUN-2022 16:55
Cal : 22242627001 Caldate : 17-JUN-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	443.81	415.00	1.000	0.9575	mg/L	-4	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	391967	357726	-8.74

ENTHALPY INSTRUMENT BLANK FOR 464405 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22242627079 File : met02_hg_060322 Time : 17-JUN-2022 16:59
Cal : 22242627001 Caldate : 17-JUN-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.01000	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	391967	415362	5.97

ENTHALPY CONTINUING CALIBRATION FOR 464405 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22242627083 File : met02_hg_060322 Time : 17-JUN-2022 17:15
Cal : 22242627001 Caldate : 17-JUN-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	443.81	407.30	1.000	0.9399	mg/L	-6	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	391967	376148	-4.04

ENTHALPY INSTRUMENT BLANK FOR 464405 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22242627084 File : met02_hg_060322 Time : 17-JUN-2022 17:19
Cal : 22242627001 Caldate : 17-JUN-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.01000	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	391967	404983	3.32

SAMPLE PREPARATION SUMMARY

Batch # : 291424 Analysis : ICP
Started By : DLS Prep Date : 17-JUN-2022 09:00 Finished By : DLS
Method : 3050B Units : ft2
Spike #1 ID : S16855 Spike #2 ID : S16856

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
464405-002		Wipe	1.035	100	1	96.62						6010	
464405-003		Wipe	1.035	100	1	96.62						6010	
464405-005		Wipe	1	100	1	100.0						6010	
464405-007		Wipe	1	100	1	100.0						6010	
464405-009		Wipe	1.035	100	1	96.62						6010	
464405-011		Wipe	1.035	100	1	96.62						6010	
464405-013		Wipe	1	100	1	100.0						6010	
464405-016		Wipe	1.035	100	1	96.62						6010	
QC995585	BLANK	Wipe	1	100	1	100.0						ICP	
QC995586	BS	Wipe	1	100	1	100.0		1	1			ICP	
QC995587	BSD	Wipe	1	100	1	100.0		1	1			ICP	

Analyst: SBW Date: 06/17/22 Reviewer: SLL Date: 06/17/22

ICP Prep Log

Initials: DS Prep Method: 3050B / 3010A / 200.7 / STLC QC Batch #: 291424 Thermometer ID: 916625

Prep Start, Date/Time: 6/17/20 9:00 Prep End, Date/Time: 6/17/20 10:35 HotBlock Temperature, °C: 96.5

HotBlock ID: 3

Sample ID	Bottle #	Sample pH (Water Only)	Sample Appearance	Initial Vol. or Weight (mL or g)	Bal. ID	Final Vol (mL)	Digestion Tube Lot#	Comment
Blank	-----	-----	-----	7	WA	100	MLD0000027	
LCS	-----	-----	-----					
240405-2	4	NA	WPO	WPO				
-3								
-5								
-7								
-9								
-11								
-13								
-15								
LCSD	—	—	—	—				

Hydrochloric Acid ID: 10 mL —

Nitric Acid ID: 10 mL —

H_2O_2 ID: 3 mL —

LCS Spike ID: 1mL S16855/S16856

MS/MSD Spike ID: NA

ICP Raw Data

Enthalpy Sequence Summary for Sequence 22242627

Instrument : MET02 Begun : 06/17/22 11:47
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met02_hg_060322	ICALBLK				06/17/22 11:47	1.0	1	
002	met02_hg_060322	ICAL	ICAL1			06/17/22 11:51	1.0	2 1	
003	met02_hg_060322	ICAL	ICAL2			06/17/22 11:55	1.0	3 1	
004	met02_hg_060322	ICAL	ICAL3			06/17/22 11:59	1.0	4 1	
005	met02_hg_060322	ICAL	ICAL4			06/17/22 12:03	1.0	5 1	
006	met02_hg_060322	ICAL	ICAL5			06/17/22 12:06	1.0	6 1	
007	met02_hg_060322	ICAL	ICAL6			06/17/22 12:09	1.0	7 1	
008	met02_hg_060322	ICAL	ICAL7			06/17/22 12:12	1.0	8 1	
009	met02_hg_060322	ICAL	ICAL8			06/17/22 12:16	1.0	9 1	
010	met02_hg_060322	XICV				06/17/22 12:19	1.0	10 1	
011	met02_hg_060322	ICV				06/17/22 12:23	1.0	10 1	
012	met02_hg_060322	ICB				06/17/22 12:27	1.0	1	
013	met02_hg_060322	ICSA				06/17/22 12:31	1.0	11 1	5:MGASMGCO3=1500
014	met02_hg_060322	ICSAB				06/17/22 12:34	1.0	12 1	4:MGASMGCO3=1400
015	met02_hg_060322	CRI				06/17/22 12:37	1.0	13 1	
016	met02_hg_060322	SAMPLE	461460-005	WET Leachate	291118	06/17/22 12:42	1.0	1	1:SI=16
017	met02_hg_060322	SAMPLE	463671-004	Soil	290479	06/17/22 12:46	1.0	1	
018	met02_hg_060322	SAMPLE	463671-005	Soil	290479	06/17/22 12:49	1.0	1	
019	met02_hg_060322	SAMPLE	463671-006	Soil	290479	06/17/22 12:52	1.0	1	
020	met02_hg_060322	SAMPLE	463671-007	Soil	290479	06/17/22 12:55	1.0	1	
021	met02_hg_060322	SAMPLE	463671-008	Soil	290479	06/17/22 12:58	1.0	1	1:FE=170
022	met02_hg_060322	SAMPLE	463671-009	Soil	290479	06/17/22 13:01	1.0	1	1:FE=160
023	met02_hg_060322	SAMPLE	463841-083	WET Leachate	291118	06/17/22 13:04	1.0	1	
024	met02_hg_060322	SAMPLE	463841-091	WET Leachate	291118	06/17/22 13:08	1.0	1	
025	met02_hg_060322	SAMPLE	463841-092	WET Leachate	291118	06/17/22 13:12	1.0	1	
026	met02_hg_060322	CCV/LCS	QC995626	Drinking Water	291434	06/17/22 13:16	1.0	10 1	
027	met02_hg_060322	CCB/MB	QC995625	Drinking Water	291434	06/17/22 13:20	1.0	1	
028	met02_hg_060322	SAMPLE	463841-070	Water	290747	06/17/22 13:32	1.0	1	
029	met02_hg_060322	SAMPLE	463841-093	Water	290747	06/17/22 13:36	1.0	1	
030	met02_hg_060322	SAMPLE	464364-001	Water	291311	06/17/22 13:40	5.0	1	
031	met02_hg_060322	MSS	464191-001	Drinking Water	291434	06/17/22 13:44	1.0	1	
032	met02_hg_060322	MS	QC995627	Drinking Water	291434	06/17/22 13:48	1.0	1	
033	met02_hg_060322	MSD	QC995628	Drinking Water	291434	06/17/22 13:52	1.0	1	
034	met02_hg_060322	SAMPLE	464237-001	Drinking Water	291434	06/17/22 13:56	1.0	1	
035	met02_hg_060322	SAMPLE	464239-001	Drinking Water	291434	06/17/22 14:00	1.0	1	
036	met02_hg_060322	SAMPLE	464241-001	Drinking Water	291434	06/17/22 14:04	1.0	1	
037	met02_hg_060322	SAMPLE	464294-001	Drinking Water	291434	06/17/22 14:08	1.0	1	
038	met02_hg_060322	CCV				06/17/22 14:12	1.0	10 1	
039	met02_hg_060322	CCB				06/17/22 14:16	1.0	1	
040	met02_hg_060322	XSAMPLE	464368-001	Drinking Water	291434	06/17/22 14:20	1.0	1	
041	met02_hg_060322	XBLANK	QC995582	Air	291423	06/17/22 14:24	1.0	1	
042	met02_hg_060322	XBS	QC995583	Air	291423	06/17/22 14:28	1.0	1	
043	met02_hg_060322	XBSD	QC995584	Air	291423	06/17/22 14:34	1.0	1	
044	met02_hg_060322	XSAMPLE	464341-001	Air	291423	06/17/22 14:38	1.0	1	
045	met02_hg_060322	XSAMPLE	464341-003	Air	291423	06/17/22 14:42	1.0	1	
046	met02_hg_060322	XSAMPLE	464341-005	Air	291423	06/17/22 14:46	1.0	1	
047	met02_hg_060322	XSAMPLE	464404-001	Air	291423	06/17/22 14:50	1.0	1	
048	met02_hg_060322	XSAMPLE	464404-003	Air	291423	06/17/22 14:54	1.0	1	
049	met02_hg_060322	XSAMPLE	464404-004	Air	291423	06/17/22 14:58	1.0	1	
050	met02_hg_060322	XBLANK	QC995585	Wipe	291424	06/17/22 15:02	1.0	1	
051	met02_hg_060322	XBS	QC995586	Wipe	291424	06/17/22 15:06	1.0	1	
052	met02_hg_060322	XBSD	QC995587	Wipe	291424	06/17/22 15:10	1.0	1	

Enthalpy Sequence Summary for Sequence 22242627

Instrument : MET02 Begun : 06/17/22 11:47
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met02_hg_060322	XSAMPLE	464404-004	Air	291423	06/17/22 15:16	1.0	1	
054	met02_hg_060322	CCV				06/17/22 15:19	1.0	10 1	
055	met02_hg_060322	CCB				06/17/22 15:23	1.0	1	
056	met02_hg_060322	SAMPLE	464368-001	Drinking Water	291434	06/17/22 15:28	1.0	1	
057	met02_hg_060322	BLANK	QC995582	Air	291423	06/17/22 15:32	1.0	1	
058	met02_hg_060322	BS	QC995583	Air	291423	06/17/22 15:36	1.0	1	
059	met02_hg_060322	BSD	QC995584	Air	291423	06/17/22 15:40	1.0	1	
060	met02_hg_060322	SAMPLE	464180-003	Soil	291189	06/17/22 15:44	1.0	1	
061	met02_hg_060322	SAMPLE	464341-001	Air	291423	06/17/22 15:47	1.0	1	
062	met02_hg_060322	SAMPLE	464341-003	Air	291423	06/17/22 15:51	1.0	1	
063	met02_hg_060322	SAMPLE	464341-005	Air	291423	06/17/22 15:55	1.0	1	
064	met02_hg_060322	SAMPLE	464404-001	Air	291423	06/17/22 15:59	1.0	1	
065	met02_hg_060322	SAMPLE	464404-003	Air	291423	06/17/22 16:03	1.0	1	
066	met02_hg_060322	CCV				06/17/22 16:07	1.0	10 1	
067	met02_hg_060322	CCB				06/17/22 16:11	1.0	1	
068	met02_hg_060322	SAMPLE	464404-004	Air	291423	06/17/22 16:15	1.0	1	
069	met02_hg_060322	BLANK	QC995585	Wipe	291424	06/17/22 16:19	1.0	1	
070	met02_hg_060322	BS	QC995586	Wipe	291424	06/17/22 16:23	1.0	1	
071	met02_hg_060322	BSD	QC995587	Wipe	291424	06/17/22 16:27	1.0	1	
072	met02_hg_060322	SAMPLE	464405-002	Wipe	291424	06/17/22 16:31	1.0	1	
073	met02_hg_060322	SAMPLE	464405-003	Wipe	291424	06/17/22 16:35	1.0	1	
074	met02_hg_060322	SAMPLE	464405-005	Wipe	291424	06/17/22 16:39	1.0	1	
075	met02_hg_060322	SAMPLE	464405-007	Wipe	291424	06/17/22 16:43	1.0	1	
076	met02_hg_060322	SAMPLE	464405-009	Wipe	291424	06/17/22 16:47	1.0	1	
077	met02_hg_060322	SAMPLE	464405-011	Wipe	291424	06/17/22 16:51	1.0	1	
078	met02_hg_060322	CCV				06/17/22 16:55	1.0	10 1	
079	met02_hg_060322	CCB				06/17/22 16:59	1.0	1	
080	met02_hg_060322	SAMPLE	464405-013	Wipe	291424	06/17/22 17:03	1.0	1	
081	met02_hg_060322	SAMPLE	464405-016	Wipe	291424	06/17/22 17:07	1.0	1	
082	met02_hg_060322	XCCV				06/17/22 17:11	1.0	10 1	
083	met02_hg_060322	CCV				06/17/22 17:15	1.0	10 1	
084	met02_hg_060322	CCB				06/17/22 17:19	1.0	1	
085	met02_hg_060322	BLANK	QC995190	Miscell.	291263	06/17/22 17:25	1.0	1	
086	met02_hg_060322	LCS	QC995191	Miscell.	291263	06/17/22 17:28	1.0	1	
087	met02_hg_060322	SAMPLE	464405-002	Wipe	291424	06/17/22 17:33	1.0	1	
088	met02_hg_060322	SAMPLE	464405-003	Wipe	291424	06/17/22 17:37	1.0	1	
089	met02_hg_060322	SAMPLE	463841-003	WET Leachate	290925	06/17/22 17:41	1.0	1	
090	met02_hg_060322	SAMPLE	463841-037	WET Leachate	290927	06/17/22 17:45	1.0	1	1:SULFUR=130
091	met02_hg_060322	MSS	463841-063	Soil	291263	06/17/22 17:49	1.0	1	2:ALASAL2O3=320
092	met02_hg_060322	MS	QC995196	Soil	291263	06/17/22 17:52	1.0	1	3:ALASAL2O3=590
093	met02_hg_060322	MSD	QC995197	Soil	291263	06/17/22 17:55	1.0	1	3:ALASAL2O3=520
094	met02_hg_060322	PDS	QC995203	Soil	291263	06/17/22 17:58	1.0	1	1:SI=10
095	met02_hg_060322	CCV				06/17/22 18:02	1.0	10 1	
096	met02_hg_060322	CCB				06/17/22 18:06	1.0	1	
097	met02_hg_060322	SAMPLE	463841-064	Soil	291263	06/17/22 18:10	1.0	1	1:FE=190
098	met02_hg_060322	SAMPLE	464054-001	Miscell.	291263	06/17/22 18:13	1.0	1	
099	met02_hg_060322	SAMPLE	464057-001	Miscell.	291263	06/17/22 18:17	1.0	1	1:FE=210
100	met02_hg_060322	SAMPLE	464057-002	Miscell.	291263	06/17/22 18:20	1.0	1	1:FE=210
101	met02_hg_060322	SAMPLE	464057-003	Miscell.	291263	06/17/22 18:23	1.0	1	1:FE=240
102	met02_hg_060322	SAMPLE	464057-004	Miscell.	291263	06/17/22 18:26	1.0	1	1:FE=220
103	met02_hg_060322	SAMPLE	464211-001	Soil	291263	06/17/22 18:29	1.0	1	1:FE=200
104	met02_hg_060322	BLANK	QC994996	Soil	291191	06/17/22 18:32	1.0	1	

Enthalpy Sequence Summary for Sequence 22242627

Instrument : MET02 Begun : 06/17/22 11:47
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
105	met02_hg_060322	LCS	QC994997	Soil	291191	06/17/22 18:36	1.0	1	
106	met02_hg_060322	MSS	464053-001	Soil	291191	06/17/22 18:40	1.0	1	3:ALASAL2O3=340
107	met02_hg_060322	CCV				06/17/22 18:43	1.0	10 1	
108	met02_hg_060322	CCB				06/17/22 18:47	1.0	1	
109	met02_hg_060322	MS	QC994998	Soil	291191	06/17/22 18:51	1.0	1	3:ALASAL2O3=460
110	met02_hg_060322	MSD	QC994999	Soil	291191	06/17/22 18:54	1.0	1	3:ALASAL2O3=440
111	met02_hg_060322	PDS	QC995000	Soil	291191	06/17/22 18:58	1.0	1	2:FE=220
112	met02_hg_060322	SAMPLE	464053-002	Soil	291191	06/17/22 19:01	1.0	1	1:FE=250
113	met02_hg_060322	SAMPLE	464053-003	Soil	291191	06/17/22 19:04	1.0	1	1:FE=220
114	met02_hg_060322	SAMPLE	464053-004	Soil	291191	06/17/22 19:07	1.0	1	1:FE=220
115	met02_hg_060322	SAMPLE	464053-005	Soil	291191	06/17/22 19:10	1.0	1	1:FE=210
116	met02_hg_060322	SAMPLE	464053-006	Soil	291191	06/17/22 19:13	1.0	1	1:FE=210
117	met02_hg_060322	SAMPLE	464094-001	Soil	291191	06/17/22 19:16	1.0	1	1:FE=170
118	met02_hg_060322	SAMPLE	464094-002	Soil	291191	06/17/22 19:19	1.0	1	
119	met02_hg_060322	CCV				06/17/22 19:22	1.0	10 1	
120	met02_hg_060322	CCB				06/17/22 19:26	1.0	1	
121	met02_hg_060322	SAMPLE	464094-003	Soil	291191	06/17/22 19:30	1.0	1	
122	met02_hg_060322	SAMPLE	464094-004	Soil	291191	06/17/22 19:33	1.0	1	1:FE=190
123	met02_hg_060322	SAMPLE	464129-003	Soil	291191	06/17/22 19:36	1.0	1	1:FE=280
124	met02_hg_060322	SAMPLE	464129-007	Soil	291191	06/17/22 19:39	1.0	1	1:FE=190
125	met02_hg_060322	SAMPLE	464129-009	Soil	291191	06/17/22 19:42	1.0	1	1:FE=220
126	met02_hg_060322	SAMPLE	464129-013	Soil	291191	06/17/22 19:45	1.0	1	1:FE=190
127	met02_hg_060322	SAMPLE	464129-017	Soil	291191	06/17/22 19:49	1.0	1	1:FE=190
128	met02_hg_060322	SAMPLE	464136-001	Soil	291191	06/17/22 19:52	1.0	1	1:FE=220
129	met02_hg_060322	SAMPLE	464136-002	Soil	291191	06/17/22 19:55	1.0	1	1:FE=220
130	met02_hg_060322	BLANK	QC995001	Soil	291192	06/17/22 19:58	1.0	1	
131	met02_hg_060322	CCV				06/17/22 20:02	1.0	10 1	
132	met02_hg_060322	CCB				06/17/22 20:06	1.0	1	
133	met02_hg_060322	LCS	QC995002	Soil	291192	06/17/22 20:10	1.0	1	
134	met02_hg_060322	MSS	464136-003	Soil	291192	06/17/22 20:14	1.0	1	3:ALASAL2O3=390
135	met02_hg_060322	MS	QC995003	Soil	291192	06/17/22 20:17	1.0	1	3:ALASAL2O3=490
136	met02_hg_060322	MSD	QC995004	Soil	291192	06/17/22 20:20	1.0	1	3:ALASAL2O3=480
137	met02_hg_060322	PDS	QC995005	Soil	291192	06/17/22 20:23	1.0	1	5:ALASAL2O3=380
138	met02_hg_060322	SAMPLE	464136-004	Soil	291192	06/17/22 20:26	1.0	1	1:FE=230
139	met02_hg_060322	SAMPLE	464136-005	Soil	291192	06/17/22 20:29	1.0	1	1:FE=200
140	met02_hg_060322	SAMPLE	464136-006	Soil	291192	06/17/22 20:32	1.0	1	1:FE=230
141	met02_hg_060322	SAMPLE	464136-007	Soil	291192	06/17/22 20:35	1.0	1	1:FE=220
142	met02_hg_060322	SAMPLE	464136-008	Soil	291192	06/17/22 20:38	1.0	1	1:FE=200
143	met02_hg_060322	CCV				06/17/22 20:41	1.0	10 1	
144	met02_hg_060322	CCB				06/17/22 20:45	1.0	1	
145	met02_hg_060322	SAMPLE	464136-009	Soil	291192	06/17/22 20:49	1.0	1	1:FE=220
146	met02_hg_060322	SAMPLE	464136-010	Soil	291192	06/17/22 20:52	1.0	1	1:FE=200
147	met02_hg_060322	SAMPLE	464176-001	Soil	291192	06/17/22 20:55	1.0	1	
148	met02_hg_060322	SAMPLE	464203-001	Soil	291192	06/17/22 20:58	1.0	1	1:FE=190
149	met02_hg_060322	SAMPLE	464209-001	Soil	291192	06/17/22 21:02	1.0	1	
150	met02_hg_060322	SAMPLE	464209-002	Soil	291192	06/17/22 21:05	1.0	1	1:FE=160
151	met02_hg_060322	SAMPLE	464255-001	Soil	291192	06/17/22 21:08	1.0	1	1:FE=170
152	met02_hg_060322	SAMPLE	464255-002	Soil	291192	06/17/22 21:11	1.0	1	1:FE=210
153	met02_hg_060322	SAMPLE	464255-003	Soil	291192	06/17/22 21:14	1.0	1	1:FE=160
154	met02_hg_060322	SAMPLE	464255-004	Soil	291192	06/17/22 21:17	1.0	1	1:FE=190
155	met02_hg_060322	CCV				06/17/22 21:20	1.0	10 1	
156	met02_hg_060322	CCB				06/17/22 21:24	1.0	1	

Enthalpy Sequence Summary for Sequence 22242627

Instrument : MET02 Begun : 06/17/22 11:47
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
157	met02_hg_060322	SAMPLE	464255-005	Soil	291192	06/17/22 21:28	1.0	1	1:FE=180
158	met02_hg_060322	SAMPLE	464255-008	Soil	291192	06/17/22 21:31	1.0	1	1:FE=190
159	met02_hg_060322	SAMPLE	464255-010	Soil	291192	06/17/22 21:34	1.0	1	1:FE=190
160	met02_hg_060322	SAMPLE	464255-013	Soil	291192	06/17/22 21:37	1.0	1	1:FE=220
161	met02_hg_060322	BLANK	QC995271	TCLP Leachate	291237	06/17/22 21:40	1.0	1	1:NA=1200
162	met02_hg_060322	LCS	QC995272	TCLP Leachate	291237	06/17/22 21:44	1.0	1	3:NA=1200
163	met02_hg_060322	SAMPLE	463542-046	TCLP Leachate	291237	06/17/22 21:48	1.0	1	2:NA=1100
164	met02_hg_060322	SAMPLE	463542-047	TCLP Leachate	291237	06/17/22 21:52	1.0	1	2:NA=1100
165	met02_hg_060322	SAMPLE	463542-048	TCLP Leachate	291237	06/17/22 21:56	1.0	1	1:NA=1100
166	met02_hg_060322	MSS	463542-050	TCLP Leachate	291237	06/17/22 22:00	1.0	1	3:NA=1200
167	met02_hg_060322	CCV				06/17/22 22:04	1.0	10 1	
168	met02_hg_060322	CCB				06/17/22 22:08	1.0	1	
169	met02_hg_060322	MS	QC995275	TCLP Leachate	291237	06/17/22 22:12	1.0	1	3:NA=1100
170	met02_hg_060322	MSD	QC995276	TCLP Leachate	291237	06/17/22 22:16	1.0	1	3:NA=1200
171	met02_hg_060322	SAMPLE	463542-051	TCLP Leachate	291237	06/17/22 22:21	1.0	1	2:NA=1200
172	met02_hg_060322	SAMPLE	463542-052	TCLP Leachate	291237	06/17/22 22:25	1.0	1	1:NA=1100
173	met02_hg_060322	SAMPLE	463542-053	TCLP Leachate	291237	06/17/22 22:29	1.0	1	2:NA=1200
174	met02_hg_060322	SAMPLE	463542-054	TCLP Leachate	291237	06/17/22 22:33	1.0	1	2:NA=1200
175	met02_hg_060322	SAMPLE	463751-013	TCLP Leachate	291237	06/17/22 22:37	1.0	1	2:NA=1200
176	met02_hg_060322	SAMPLE	463751-014	TCLP Leachate	291237	06/17/22 22:41	1.0	1	2:NA=1200
177	met02_hg_060322	SAMPLE	463751-015	TCLP Leachate	291237	06/17/22 22:45	1.0	1	1:NA=1300
178	met02_hg_060322	SAMPLE	463971-001	TCLP Leachate	291237	06/17/22 22:49	1.0	1	2:NA=1200
179	met02_hg_060322	CCV				06/17/22 22:53	1.0	10 1	
180	met02_hg_060322	CCB				06/17/22 22:57	1.0	1	
181	met02_hg_060322	SAMPLE	463971-002	TCLP Leachate	291237	06/17/22 23:01	1.0	1	1:NA=1100
182	met02_hg_060322	BLANK	QC995377	TCLP Leachate	291330	06/17/22 23:05	1.0	1	1:NA=1100
183	met02_hg_060322	LCS	QC995378	TCLP Leachate	291330	06/17/22 23:09	1.0	1	3:NA=1100
184	met02_hg_060322	MSS	463508-017	TCLP Leachate	291330	06/17/22 23:13	1.0	1	4:CAASCACO3=1500
185	met02_hg_060322	MS	QC995379	TCLP Leachate	291330	06/17/22 23:17	1.0	1	4:CAASCACO3=1600
186	met02_hg_060322	MSD	QC995380	TCLP Leachate	291330	06/17/22 23:22	1.0	1	4:CAASCACO3=1700
187	met02_hg_060322	SAMPLE	463508-018	TCLP Leachate	291330	06/17/22 23:26	1.0	1	2:NA=1200
188	met02_hg_060322	SAMPLE	463508-019	TCLP Leachate	291330	06/17/22 23:30	1.0	1	2:NA=1200
189	met02_hg_060322	SAMPLE	463508-020	TCLP Leachate	291330	06/17/22 23:34	1.0	1	3:NA=1200
190	met02_hg_060322	SAMPLE	463508-021	TCLP Leachate	291330	06/17/22 23:38	1.0	1	3:NA=1100
191	met02_hg_060322	CCV				06/17/22 23:42	1.0	10 1	
192	met02_hg_060322	CCB				06/17/22 23:46	1.0	1	
193	met02_hg_060322	SAMPLE	463508-022	TCLP Leachate	291330	06/17/22 23:50	1.0	1	2:NA=1200
194	met02_hg_060322	CCV				06/17/22 23:54	1.0	10 1	
195	met02_hg_060322	CCB				06/17/22 23:58	1.0	1	

SBW 06/17/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 079.

SBW 06/17/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 080 through 085.

SBW 06/20/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 086 through 195.

Standards used: 1=S13369 2=S16951 3=S16949 4=S16948 5=S16947 6=S16645 7=S16518 8=S16959 9=S16519 10=S16870 11=S16979 12=S16601 13=S16646

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET02	Lab ID	: 464405-002	Client ID	: DOOR-N-0.1GW-DG-13 TO 27-220615-L-LA
Seqnum	: 22242627072.1	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met02_hg_060322	Batch	: 291424	Time	: 17-JUN-2022 16:31
Cal	: 22242627001	Caldate	: 17-JUN-2022		
IDF	: 1.0	Raw Units	: mg/L	Units	: ug/ft2

1.04 ft2 --> 100.0 ml = 96.62 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.6096	59	0.97		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	391967	418369	6.74

u=use

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Method Loaded
Method Name: MET02_Hg_060322 **Method Last Saved: 6/15/2022 4:39:48 PM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 22 **Autosampler Location: 146**
Sample ID: 464405-002,291424 **Date Collected: 6/17/2022 4:31:23 PM**
Analyst: sbw **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: 464405-002,291424

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y Radial	77799.2	105.0	%	6.59				6.28%
Y Axial	418368.7	106.7	%	2.75				2.57%
Ag 328.068†	-405.9	0.0003	mg/L	0.00069	0.0003	mg/L	0.00069	233.18%
Al 308.215†	5563.5	0.9080	mg/L	0.05029	0.9080	mg/L	0.05029	5.54%
As 188.979†	1.3	0.0045	mg/L	0.00960	0.0045	mg/L	0.00960	215.13%
B 249.677†	68.8	0.0176	mg/L	0.00085	0.0176	mg/L	0.00085	4.85%
Ba 233.527†	202.7	0.0090	mg/L	0.00022	0.0090	mg/L	0.00022	2.39%
Be 313.107†	68.4	0.0003	mg/L	0.00018	0.0003	mg/L	0.00018	53.37%
Ca 315.887†	28775.5	11.36	mg/L	0.041	11.36	mg/L	0.041	0.36%
Cd 214.440†	3.8	0.0005	mg/L	0.00019	0.0005	mg/L	0.00019	35.19%
Co 228.616†	18.7	0.0037	mg/L	0.00034	0.0037	mg/L	0.00034	9.25%
Cr 267.716†	238.4	0.0144	mg/L	0.00039	0.0144	mg/L	0.00039	2.71%
Cu 324.752†	6655.6	0.1487	mg/L	0.00978	0.1487	mg/L	0.00978	6.58%
Fe 238.204†	395054.2	32.91	mg/L	0.182	32.91	mg/L	0.182	0.55%
Li 670.784†	-11.0	-0.0001	mg/L	0.00099	-0.0001	mg/L	0.00099	735.19%
Mg 279.077†	425.4	2.202	mg/L	0.1137	2.202	mg/L	0.1137	5.16%
Mn 257.610†	34379.5	0.1561	mg/L	0.01009	0.1561	mg/L	0.01009	6.46%
Mo 202.031†	6.9	0.0101	mg/L	0.00241	0.0101	mg/L	0.00241	23.93%
Ni 231.604†	48.1	0.0294	mg/L	0.00140	0.0294	mg/L	0.00140	4.76%
Pb 220.353†	264.2	0.6096	mg/L	0.01833	0.6096	mg/L	0.01833	3.01%
Sb 206.836†	68.0	0.1812	mg/L	0.00684	0.1812	mg/L	0.00684	3.77%
Se 196.026†	2.4	0.0174	mg/L	0.00465	0.0174	mg/L	0.00465	26.77%
Si 251.611†	5843.3	1.349	mg/L	0.0729	1.349	mg/L	0.0729	5.41%
Sn 189.927†	4.2	0.0167	mg/L	0.00365	0.0167	mg/L	0.00365	21.84%
Sr 421.552†	9042.9	0.0147	mg/L	0.00087	0.0147	mg/L	0.00087	5.91%
Ti 334.940†	11018.1	0.0456	mg/L	0.00063	0.0456	mg/L	0.00063	1.39%
Tl 190.801†	2.2	0.0034	mg/L	0.00431	0.0034	mg/L	0.00431	128.59%
V 290.880†	47.3	0.0014	mg/L	0.00052	0.0014	mg/L	0.00052	36.17%
Zn 206.200†	2867.0	1.470	mg/L	0.0992	1.470	mg/L	0.0992	6.75%
P 213.617†	12.8	0.2248	mg/L	0.03857	0.2248	mg/L	0.03857	17.16%
S 181.975†	63.2	3.528	mg/L	0.0212	3.528	mg/L	0.0212	0.60%
Na 589.592†	21292.5	5.924	mg/L	0.0303	5.924	mg/L	0.0303	0.51%
K 766.490†	7882.5	5.134	mg/L	0.0174	5.134	mg/L	0.0174	0.34%
Hg 253.652†	32.5	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	0.00%

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Analysis Begun

Start Time: 6/17/2022 5:33:11 PM **Plasma On Time: 6/17/2022 8:37:54 AM**
Logged In Analyst: AAICP-ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N No Serial # **Autosampler: ESI**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\06-17-22.sif
Batch ID: 06-15-22
Results Data Set: 06-17-22c
Results Library: C:\Users\Public\PerkinElmer\ICP\Data\Results\Results.mdb

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Sequence No.: 1 **Autosampler Location: 7**
Sample ID: ICV, S16870 **Date Collected: 6/17/2022 5:33:17 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time:
User canceled analysis.

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Analysis Begun

Start Time: 6/17/2022 5:33:43 PM **Plasma On Time: 6/17/2022 8:37:54 AM**
Logged In Analyst: AAICP-ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N No Serial # **Autosampler: ESI**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\06-17-22.sif
Batch ID: 06-15-22
Results Data Set: 06-17-22c
Results Library: C:\Users\Public\PerkinElmer\ICP\Data\Results\Results.mdb

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Sequence No.: 8 **Autosampler Location: 149**
Sample ID: 464405-002,291424 **Date Collected: 6/17/2022 5:33:44 PM**
Analyst: sbw **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time:

Mean Data: 464405-002,291424

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y Radial	78754.2	106.3	%	1.78				1.67%
Y Axial	406084.9	103.6	%	0.23				0.22%
Ag 328.068†	-322.0	0.0017	mg/L	0.00176	0.0017	mg/L	0.00176	102.71%
Al 308.215†	5812.4	0.9486	mg/L	0.02521	0.9486	mg/L	0.02521	2.66%
As 188.979†	1.4	0.0049	mg/L	0.00572	0.0049	mg/L	0.00572	117.23%
B 249.677†	43.7	0.0112	mg/L	0.00130	0.0112	mg/L	0.00130	11.66%
Ba 233.527†	213.0	0.0095	mg/L	0.00003	0.0095	mg/L	0.00003	0.28%
Be 313.107†	90.7	0.0004	mg/L	0.00004	0.0004	mg/L	0.00004	8.06%
Ca 315.887†	29071.6	11.48	mg/L	0.045	11.48	mg/L	0.045	0.39%
Cd 214.440†	5.0	0.0007	mg/L	0.00003	0.0007	mg/L	0.00003	3.73%
Co 228.616†	21.9	0.0044	mg/L	0.00059	0.0044	mg/L	0.00059	13.44%
Cr 267.716†	249.7	0.0151	mg/L	0.00021	0.0151	mg/L	0.00021	1.39%
Cu 324.752†	6996.6	0.1563	mg/L	0.00453	0.1563	mg/L	0.00453	2.90%
Fe 238.204†	393659.6	32.80	mg/L	0.186	32.80	mg/L	0.186	0.57%
Li 670.784†	-28.3	-0.0003	mg/L	0.00001	-0.0003	mg/L	0.00001	4.17%
Mg 279.077†	426.9	2.210	mg/L	0.0318	2.210	mg/L	0.0318	1.44%
Mn 257.610†	36029.5	0.1636	mg/L	0.00401	0.1636	mg/L	0.00401	2.45%
Mo 202.031†	10.4	0.0151	mg/L	0.00305	0.0151	mg/L	0.00305	20.24%
Ni 231.604†	53.0	0.0324	mg/L	0.00122	0.0324	mg/L	0.00122	3.77%
Pb 220.353†	271.9	0.6273	mg/L	0.00258	0.6273	mg/L	0.00258	0.41%
Sb 206.836†	11.8	0.0314	mg/L	0.00379	0.0314	mg/L	0.00379	12.05%
Se 196.026†	1.7	0.0129	mg/L	0.01055	0.0129	mg/L	0.01055	81.70%
Si 251.611†	6184.8	1.428	mg/L	0.0962	1.428	mg/L	0.0962	6.74%
Sn 189.927†	9.0	0.0363	mg/L	0.00794	0.0363	mg/L	0.00794	21.87%
Sr 421.552†	9555.4	0.0155	mg/L	0.00033	0.0155	mg/L	0.00033	2.10%
Ti 334.940†	11340.3	0.0470	mg/L	0.00291	0.0470	mg/L	0.00291	6.20%
Tl 190.801†	3.9	0.0055	mg/L	0.00352	0.0055	mg/L	0.00352	63.55%
V 290.880†	74.7	0.0023	mg/L	0.00087	0.0023	mg/L	0.00087	38.19%
Zn 206.200†	3097.5	1.589	mg/L	0.0649	1.589	mg/L	0.0649	4.09%
P 213.617†	12.9	0.2257	mg/L	0.01680	0.2257	mg/L	0.01680	7.45%
S 181.975†	69.9	3.900	mg/L	0.1157	3.900	mg/L	0.1157	2.97%

Na 589.592†	21322.9	5.933 mg/L	0.0104	5.933 mg/L	0.0104	0.18%
K 766.490†	7893.9	5.142 mg/L	0.0515	5.142 mg/L	0.0515	1.00%
Hg 253.652†	32.7	0.0000 mg/L	0.00000	0.0000 mg/L	0.00000	0.00%

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET02	Lab ID	: 464405-003	Client ID	: DOOR-N-0.1GW-DG-13 TO 27-220615-L-DUP-LA
Seqnum	: 22242627073.1	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met02_hg_060322	Batch	: 291424	Time	: 17-JUN-2022 16:35
Cal	: 22242627001	Caldate	: 17-JUN-2022		
IDF	: 1.0	Raw Units	: mg/L	Units	: ug/ft2

1.04 ft2 --> 100.0 ml = 96.62 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.043	100	0.97		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	391967	400264	2.12

u=use

Method Loaded
Method Name: MET02_Hg_060322 **Method Last Saved: 6/15/2022 4:39:48 PM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

Sequence No.: 23 **Autosampler Location: 147**
Sample ID: 464405-003,291424 **Date Collected: 6/17/2022 4:35:22 PM**
Analyst: sbw **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: 464405-003,291424

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y Radial	76386.7	103.1	%	1.85				1.80%
Y Axial	400264.0	102.1	%	1.04				1.02%
Ag 328.068†	-335.8	0.0007	mg/L	0.00099	0.0007	mg/L	0.00099	144.31%
Al 308.215†	4415.1	0.7206	mg/L	0.02514	0.7206	mg/L	0.02514	3.49%
As 188.979†	-0.7	-0.0023	mg/L	0.00242	-0.0023	mg/L	0.00242	103.53%
B 249.677†	57.7	0.0148	mg/L	0.00111	0.0148	mg/L	0.00111	7.51%
Ba 233.527†	171.5	0.0076	mg/L	0.00008	0.0076	mg/L	0.00008	1.05%
Be 313.107†	20.9	0.0001	mg/L	0.00018	0.0001	mg/L	0.00018	178.68%
Ca 315.887†	35765.8	14.12	mg/L	0.095	14.12	mg/L	0.095	0.67%
Cd 214.440†	3.7	0.0005	mg/L	0.00023	0.0005	mg/L	0.00023	43.88%
Co 228.616†	18.7	0.0037	mg/L	0.00049	0.0037	mg/L	0.00049	13.24%
Cr 267.716†	217.7	0.0131	mg/L	0.00047	0.0131	mg/L	0.00047	3.57%
Cu 324.752†	5751.4	0.1285	mg/L	0.00357	0.1285	mg/L	0.00357	2.78%
Fe 238.204†	350742.3	29.22	mg/L	0.524	29.22	mg/L	0.524	1.79%
Li 670.784†	-83.7	-0.0010	mg/L	0.00026	-0.0010	mg/L	0.00026	25.01%
Mg 279.077†	405.4	2.099	mg/L	0.0312	2.099	mg/L	0.0312	1.48%
Mn 257.610†	31662.4	0.1438	mg/L	0.00377	0.1438	mg/L	0.00377	2.62%
Mo 202.031†	1.2	0.0018	mg/L	0.00170	0.0018	mg/L	0.00170	95.89%
Ni 231.604†	48.2	0.0295	mg/L	0.00018	0.0295	mg/L	0.00018	0.60%
Pb 220.353†	452.0	1.043	mg/L	0.0082	1.043	mg/L	0.0082	0.79%
Sb 206.836†	49.5	0.1320	mg/L	0.00822	0.1320	mg/L	0.00822	6.23%
Se 196.026†	0.8	0.0063	mg/L	0.00788	0.0063	mg/L	0.00788	125.64%
Si 251.611†	6062.4	1.400	mg/L	0.0400	1.400	mg/L	0.0400	2.86%
Sn 189.927†	3.0	0.0122	mg/L	0.00507	0.0122	mg/L	0.00507	41.53%
Sr 421.552†	10711.3	0.0174	mg/L	0.00030	0.0174	mg/L	0.00030	1.75%
Ti 334.940†	10914.2	0.0452	mg/L	0.01216	0.0452	mg/L	0.01216	26.91%
Tl 190.801†	0.6	0.0013	mg/L	0.00308	0.0013	mg/L	0.00308	244.76%
V 290.880†	70.7	0.0021	mg/L	0.00125	0.0021	mg/L	0.00125	58.07%
Zn 206.200†	1727.4	0.8859	mg/L	0.00927	0.8859	mg/L	0.00927	1.05%
P 213.617†	12.7	0.2228	mg/L	0.01589	0.2228	mg/L	0.01589	7.13%
S 181.975†	77.6	4.333	mg/L	0.0567	4.333	mg/L	0.0567	1.31%
Na 589.592†	26966.4	7.503	mg/L	0.0496	7.503	mg/L	0.0496	0.66%
K 766.490†	10849.1	7.067	mg/L	0.0577	7.067	mg/L	0.0577	0.82%
Hg 253.652†	39.7	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	0.00%

Method Loaded
Method Name: MET02_Hg_060322 Method Last Saved: 6/15/2022 4:39:48 PM
IEC File: 061820_HR_IEC.iec MSF File: 06-18-20.msf
Method Description: High resolution with IEC

Sequence No.: 9 Autosampler Location: 150
Sample ID: 464405-003,291424 Date Collected: 6/17/2022 5:37:42 PM
Analyst: sbw Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:
Wash Time: 20 Auto Dilution Factor: 1

Mean Data: 464405-003,291424

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y Radial	78342.9	105.7	%	2.55				2.41%
Y Axial	415771.4	106.1	%	2.97				2.80%
Ag 328.068†	-295.2	0.0014	mg/L	0.00059	0.0014	mg/L	0.00059	42.83%
Al 308.215†	4379.2	0.7147	mg/L	0.01213	0.7147	mg/L	0.01213	1.70%
As 188.979†	2.0	0.0070	mg/L	0.00236	0.0070	mg/L	0.00236	33.61%
B 249.677†	27.1	0.0069	mg/L	0.00130	0.0069	mg/L	0.00130	18.77%
Ba 233.527†	161.7	0.0072	mg/L	0.00022	0.0072	mg/L	0.00022	3.11%
Be 313.107†	20.4	0.0001	mg/L	0.00013	0.0001	mg/L	0.00013	137.65%
Ca 315.887†	36167.6	14.28	mg/L	0.109	14.28	mg/L	0.109	0.76%
Cd 214.440†	3.0	0.0004	mg/L	0.00015	0.0004	mg/L	0.00015	35.66%
Co 228.616†	18.2	0.0036	mg/L	0.00014	0.0036	mg/L	0.00014	3.96%
Cr 267.716†	196.8	0.0119	mg/L	0.00051	0.0119	mg/L	0.00051	4.29%
Cu 324.752†	5544.5	0.1239	mg/L	0.00317	0.1239	mg/L	0.00317	2.56%
Fe 238.204†	350268.6	29.18	mg/L	0.354	29.18	mg/L	0.354	1.21%
Li 670.784†	16.0	0.0002	mg/L	0.00098	0.0002	mg/L	0.00098	501.25%
Mg 279.077†	398.2	2.062	mg/L	0.0218	2.062	mg/L	0.0218	1.06%
Mn 257.610†	31170.8	0.1415	mg/L	0.00285	0.1415	mg/L	0.00285	2.01%
Mo 202.031†	0.0	0.0001	mg/L	0.00042	0.0001	mg/L	0.00042	803.30%
Ni 231.604†	44.9	0.0274	mg/L	0.00029	0.0274	mg/L	0.00029	1.06%
Pb 220.353†	431.2	0.9950	mg/L	0.03246	0.9950	mg/L	0.03246	3.26%
Sb 206.836†	12.1	0.0321	mg/L	0.00462	0.0321	mg/L	0.00462	14.39%
Se 196.026†	1.0	0.0076	mg/L	0.01062	0.0076	mg/L	0.01062	140.55%
Si 251.611†	5999.1	1.385	mg/L	0.0595	1.385	mg/L	0.0595	4.30%
Sn 189.927†	4.4	0.0177	mg/L	0.00306	0.0177	mg/L	0.00306	17.30%
Sr 421.552†	10560.9	0.0172	mg/L	0.00022	0.0172	mg/L	0.00022	1.31%
Ti 334.940†	8668.0	0.0359	mg/L	0.00144	0.0359	mg/L	0.00144	4.01%
Tl 190.801†	0.9	0.0015	mg/L	0.00770	0.0015	mg/L	0.00770	518.79%
V 290.880†	6.8	0.0002	mg/L	0.00099	0.0002	mg/L	0.00099	482.53%
Zn 206.200†	1654.6	0.8486	mg/L	0.02730	0.8486	mg/L	0.02730	3.22%
P 213.617†	11.3	0.1992	mg/L	0.00635	0.1992	mg/L	0.00635	3.19%
S 181.975†	76.9	4.292	mg/L	0.2093	4.292	mg/L	0.2093	4.88%
Na 589.592†	26974.8	7.505	mg/L	0.0586	7.505	mg/L	0.0586	0.78%
K 766.490†	10848.5	7.067	mg/L	0.1056	7.067	mg/L	0.1056	1.49%
Hg 253.652†	21.9	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	0.00%

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET02	Lab ID	: 464405-005	Client ID	: DOOR-N-0.9GW-INT-27 TO 15-220615-L-CB
Seqnum	: 22242627074.1	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met02_hg_060322	Batch	: 291424	Time	: 17-JUN-2022 16:39
Cal	: 22242627001	Caldate	: 17-JUN-2022		
IDF	: 1.0	Raw Units	: mg/L	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.9759	98	1.0		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	391967	406133	3.61

u=use

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Method Loaded
Method Name: MET02_Hg_060322 **Method Last Saved: 6/15/2022 4:39:48 PM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 24 **Autosampler Location: 148**
Sample ID: 464405-005,291424 **Date Collected: 6/17/2022 4:39:20 PM**
Analyst: sbw **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: 464405-005,291424

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y Radial	76983.6	103.9	%	4.39				4.23%
Y Axial	406132.8	103.6	%	2.07				2.00%
Ag 328.068†	-428.1	0.0002	mg/L	0.00077	0.0002	mg/L	0.00077	364.11%
Al 308.215†	5284.3	0.8624	mg/L	0.03789	0.8624	mg/L	0.03789	4.39%
As 188.979†	-0.2	-0.0008	mg/L	0.00220	-0.0008	mg/L	0.00220	264.61%
B 249.677†	33.2	0.0085	mg/L	0.00209	0.0085	mg/L	0.00209	24.66%
Ba 233.527†	158.6	0.0071	mg/L	0.00012	0.0071	mg/L	0.00012	1.72%
Be 313.107†	24.7	0.0001	mg/L	0.00011	0.0001	mg/L	0.00011	93.30%
Ca 315.887†	24401.2	9.633	mg/L	0.0472	9.633	mg/L	0.0472	0.49%
Cd 214.440†	3.4	0.0005	mg/L	0.00013	0.0005	mg/L	0.00013	27.01%
Co 228.616†	21.9	0.0043	mg/L	0.00011	0.0043	mg/L	0.00011	2.63%
Cr 267.716†	261.0	0.0157	mg/L	0.00037	0.0157	mg/L	0.00037	2.35%
Cu 324.752†	2033.7	0.0454	mg/L	0.00210	0.0454	mg/L	0.00210	4.63%
Fe 238.204†	411227.1	34.26	mg/L	0.048	34.26	mg/L	0.048	0.14%
Li 670.784†	-42.3	-0.0005	mg/L	0.00065	-0.0005	mg/L	0.00065	125.30%
Mg 279.077†	374.5	1.939	mg/L	0.0901	1.939	mg/L	0.0901	4.65%
Mn 257.610†	44223.2	0.2008	mg/L	0.00652	0.2008	mg/L	0.00652	3.24%
Mo 202.031†	-1.0	-0.0015	mg/L	0.00164	-0.0015	mg/L	0.00164	107.75%
Ni 231.604†	21.0	0.0128	mg/L	0.00047	0.0128	mg/L	0.00047	3.68%
Pb 220.353†	422.9	0.9759	mg/L	0.01786	0.9759	mg/L	0.01786	1.83%
Sb 206.836†	35.8	0.0955	mg/L	0.00338	0.0955	mg/L	0.00338	3.54%
Se 196.026†	1.4	0.0102	mg/L	0.00958	0.0102	mg/L	0.00958	94.06%
Si 251.611†	6856.3	1.583	mg/L	0.0430	1.583	mg/L	0.0430	2.72%
Sn 189.927†	1.6	0.0066	mg/L	0.00283	0.0066	mg/L	0.00283	42.84%
Sr 421.552†	8525.7	0.0138	mg/L	0.00064	0.0138	mg/L	0.00064	4.60%
Ti 334.940†	15816.9	0.0655	mg/L	0.01109	0.0655	mg/L	0.01109	16.93%
Tl 190.801†	-1.1	-0.0008	mg/L	0.00239	-0.0008	mg/L	0.00239	281.13%
V 290.880†	109.0	0.0033	mg/L	0.00158	0.0033	mg/L	0.00158	47.72%
Zn 206.200†	1562.6	0.8014	mg/L	0.01684	0.8014	mg/L	0.01684	2.10%
P 213.617†	13.1	0.2305	mg/L	0.01296	0.2305	mg/L	0.01296	5.62%
S 181.975†	58.1	3.242	mg/L	0.0850	3.242	mg/L	0.0850	2.62%
Na 589.592†	19954.3	5.552	mg/L	0.0460	5.552	mg/L	0.0460	0.83%
K 766.490†	6559.8	4.273	mg/L	0.0309	4.273	mg/L	0.0309	0.72%
Hg 253.652†	35.6	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	0.00%

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET02	Lab ID	: 464405-007	Client ID	: DOOR-N-0.7GW-EXT-12 TO 13-220615-L-CB
Seqnum	: 22242627075.1	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met02_hg_060322	Batch	: 291424	Time	: 17-JUN-2022 16:43
Cal	: 22242627001	Caldate	: 17-JUN-2022		
IDF	: 1.0	Raw Units	: mg/L	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.8549	85	1.0		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	391967	387406	-1.16

u=use

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Method Loaded
Method Name: MET02_Hg_060322 **Method Last Saved: 6/15/2022 4:39:48 PM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 25 **Autosampler Location: 149**
Sample ID: 464405-007,291424 **Date Collected: 6/17/2022 4:43:19 PM**
Analyst: sbw **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: 464405-007,291424

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y Radial	74369.6	100.4	%	5.34				5.32%
Y Axial	387406.2	98.84	%	4.967				5.03%
Ag 328.068†	-456.1	0.0005	mg/L	0.00130	0.0005	mg/L	0.00130	239.02%
Al 308.215†	8962.1	1.463	mg/L	0.0676	1.463	mg/L	0.0676	4.62%
As 188.979†	1.5	0.0053	mg/L	0.00819	0.0053	mg/L	0.00819	154.99%
B 249.677†	38.6	0.0099	mg/L	0.00100	0.0099	mg/L	0.00100	10.11%
Ba 233.527†	159.0	0.0071	mg/L	0.00039	0.0071	mg/L	0.00039	5.55%
Be 313.107†	7.4	0.0000	mg/L	0.00005	0.0000	mg/L	0.00005	152.43%
Ca 315.887†	28982.0	11.44	mg/L	0.125	11.44	mg/L	0.125	1.10%
Cd 214.440†	4.0	0.0006	mg/L	0.00017	0.0006	mg/L	0.00017	30.18%
Co 228.616†	24.2	0.0048	mg/L	0.00010	0.0048	mg/L	0.00010	2.17%
Cr 267.716†	302.2	0.0182	mg/L	0.00054	0.0182	mg/L	0.00054	2.98%
Cu 324.752†	7247.0	0.1619	mg/L	0.00584	0.1619	mg/L	0.00584	3.61%
Fe 238.204†	455317.4	37.93	mg/L	0.217	37.93	mg/L	0.217	0.57%
Li 670.784†	-47.0	-0.0006	mg/L	0.00066	-0.0006	mg/L	0.00066	115.55%
Mg 279.077†	494.6	2.561	mg/L	0.1607	2.561	mg/L	0.1607	6.28%
Mn 257.610†	49477.2	0.2246	mg/L	0.00848	0.2246	mg/L	0.00848	3.78%
Mo 202.031†	-0.9	-0.0013	mg/L	0.00112	-0.0013	mg/L	0.00112	83.67%
Ni 231.604†	86.7	0.0530	mg/L	0.00160	0.0530	mg/L	0.00160	3.02%
Pb 220.353†	370.5	0.8549	mg/L	0.03391	0.8549	mg/L	0.03391	3.97%
Sb 206.836†	27.9	0.0743	mg/L	0.00576	0.0743	mg/L	0.00576	7.76%
Se 196.026†	1.1	0.0082	mg/L	0.00492	0.0082	mg/L	0.00492	59.98%
Si 251.611†	9557.3	2.207	mg/L	0.0847	2.207	mg/L	0.0847	3.84%
Sn 189.927†	6.9	0.0279	mg/L	0.00304	0.0279	mg/L	0.00304	10.86%
Sr 421.552†	10466.3	0.0170	mg/L	0.00073	0.0170	mg/L	0.00073	4.31%
Ti 334.940†	18908.0	0.0783	mg/L	0.00505	0.0783	mg/L	0.00505	6.45%
Tl 190.801†	-2.7	-0.0029	mg/L	0.00244	-0.0029	mg/L	0.00244	85.13%
V 290.880†	95.2	0.0029	mg/L	0.00076	0.0029	mg/L	0.00076	26.15%
Zn 206.200†	1218.8	0.6251	mg/L	0.02405	0.6251	mg/L	0.02405	3.85%
P 213.617†	14.2	0.2493	mg/L	0.00124	0.2493	mg/L	0.00124	0.50%
S 181.975†	67.0	3.739	mg/L	0.0485	3.739	mg/L	0.0485	1.30%
Na 589.592†	22698.3	6.315	mg/L	0.0588	6.315	mg/L	0.0588	0.93%
K 766.490†	8165.8	5.319	mg/L	0.1027	5.319	mg/L	0.1027	1.93%
Hg 253.652†	54.8	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	0.00%

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET02	Lab ID	: 464405-009	Client ID	: DOOR-N-0.9GW-PS-26-220615-L-LA
Seqnum	: 22242627076.1	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met02_hg_060322	Batch	: 291424	Time	: 17-JUN-2022 16:47
Cal	: 22242627001	Caldate	: 17-JUN-2022		
IDF	: 1.0	Raw Units	: mg/L	Units	: ug/ft2

1.04 ft2 --> 100.0 ml = 96.62 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.7876	76	0.97		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	391967	399796	2.00

u=use

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Method Loaded
Method Name: MET02_Hg_060322 **Method Last Saved: 6/15/2022 4:39:48 PM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 26 **Autosampler Location: 150**
Sample ID: 464405-009,291424 **Date Collected: 6/17/2022 4:47:18 PM**
Analyst: sbw **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: 464405-009,291424

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y Radial	75233.8	101.5	%	1.97				1.94%
Y Axial	399795.6	102.0	%	1.01				0.99%
Ag 328.068†	-631.4	0.0004	mg/L	0.00014	0.0004	mg/L	0.00014	38.35%
Al 308.215†	7116.2	1.161	mg/L	0.0754	1.161	mg/L	0.0754	6.49%
As 188.979†	1.0	0.0033	mg/L	0.00492	0.0033	mg/L	0.00492	149.01%
B 249.677†	24.9	0.0064	mg/L	0.00093	0.0064	mg/L	0.00093	14.61%
Ba 233.527†	360.6	0.0161	mg/L	0.00011	0.0161	mg/L	0.00011	0.68%
Be 313.107†	4.7	0.0000	mg/L	0.00009	0.0000	mg/L	0.00009	385.14%
Ca 315.887†	25924.5	10.23	mg/L	0.063	10.23	mg/L	0.063	0.61%
Cd 214.440†	4.6	0.0007	mg/L	0.00005	0.0007	mg/L	0.00005	7.81%
Co 228.616†	30.9	0.0062	mg/L	0.00058	0.0062	mg/L	0.00058	9.37%
Cr 267.716†	355.8	0.0215	mg/L	0.00019	0.0215	mg/L	0.00019	0.90%
Cu 324.752†	28510.6	0.6370	mg/L	0.03777	0.6370	mg/L	0.03777	5.93%
Fe 238.204†	610015.5	50.82	mg/L	1.213	50.82	mg/L	1.213	2.39%
Li 670.784†	-39.8	-0.0005	mg/L	0.00147	-0.0005	mg/L	0.00147	301.56%
Mg 279.077†	435.3	2.253	mg/L	0.0512	2.253	mg/L	0.0512	2.27%
Mn 257.610†	57099.8	0.2593	mg/L	0.01771	0.2593	mg/L	0.01771	6.83%
Mo 202.031†	-0.6	-0.0009	mg/L	0.00083	-0.0009	mg/L	0.00083	95.41%
Ni 231.604†	100.3	0.0613	mg/L	0.00043	0.0613	mg/L	0.00043	0.71%
Pb 220.353†	341.3	0.7876	mg/L	0.00607	0.7876	mg/L	0.00607	0.77%
Sb 206.836†	26.4	0.0703	mg/L	0.00238	0.0703	mg/L	0.00238	3.39%
Se 196.026†	1.0	0.0077	mg/L	0.01350	0.0077	mg/L	0.01350	174.84%
Si 251.611†	8847.4	2.043	mg/L	0.0711	2.043	mg/L	0.0711	3.48%
Sn 189.927†	8.4	0.0336	mg/L	0.00456	0.0336	mg/L	0.00456	13.55%
Sr 421.552†	8555.8	0.0139	mg/L	0.00075	0.0139	mg/L	0.00075	5.43%
Ti 334.940†	15017.1	0.0622	mg/L	0.00582	0.0622	mg/L	0.00582	9.35%
Tl 190.801†	-1.2	-0.0010	mg/L	0.00151	-0.0010	mg/L	0.00151	147.45%
V 290.880†	48.2	0.0015	mg/L	0.00061	0.0015	mg/L	0.00061	41.57%
Zn 206.200†	1659.0	0.8509	mg/L	0.00855	0.8509	mg/L	0.00855	1.00%
P 213.617†	15.2	0.2666	mg/L	0.00648	0.2666	mg/L	0.00648	2.43%
S 181.975†	65.3	3.646	mg/L	0.1395	3.646	mg/L	0.1395	3.83%
Na 589.592†	21206.6	5.900	mg/L	0.0081	5.900	mg/L	0.0081	0.14%
K 766.490†	7762.8	5.057	mg/L	0.0599	5.057	mg/L	0.0599	1.18%
Hg 253.652†	54.1	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	0.00%

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET02	Lab ID	: 464405-011	Client ID	: DOOR-N-0.1GE-PS-26-220615-L-LA
Seqnum	: 22242627077.1	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met02_hg_060322	Batch	: 291424	Time	: 17-JUN-2022 16:51
Cal	: 22242627001	Caldate	: 17-JUN-2022		
IDF	: 1.0	Raw Units	: mg/L	Units	: ug/ft2

1.04 ft2 --> 100.0 ml = 96.62 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	2.672	260	0.97		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	391967	399561	1.94

u=use

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Method Loaded
Method Name: MET02_Hg_060322 **Method Last Saved: 6/15/2022 4:39:48 PM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 27 **Autosampler Location: 151**
Sample ID: 464405-011,291424 **Date Collected: 6/17/2022 4:51:17 PM**
Analyst: sbw **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: 464405-011,291424

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y Radial	76601.7	103.4	%	0.41				0.40%
Y Axial	399560.8	101.9	%	2.49				2.45%
Ag 328.068†	-550.9	0.0005	mg/L	0.00048	0.0005	mg/L	0.00048	105.91%
Al 308.215†	11450.2	1.869	mg/L	0.0685	1.869	mg/L	0.0685	3.66%
As 188.979†	1.5	0.0052	mg/L	0.01041	0.0052	mg/L	0.01041	200.60%
B 249.677†	24.1	0.0062	mg/L	0.00094	0.0062	mg/L	0.00094	15.32%
Ba 233.527†	492.7	0.0220	mg/L	0.00066	0.0220	mg/L	0.00066	3.01%
Be 313.107†	9.1	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	36.32%
Ca 315.887†	34918.6	13.78	mg/L	0.027	13.78	mg/L	0.027	0.19%
Cd 214.440†	5.1	0.0007	mg/L	0.00027	0.0007	mg/L	0.00027	37.87%
Co 228.616†	27.8	0.0055	mg/L	0.00033	0.0055	mg/L	0.00033	6.06%
Cr 267.716†	331.2	0.0200	mg/L	0.00010	0.0200	mg/L	0.00010	0.51%
Cu 324.752†	9556.8	0.2135	mg/L	0.00777	0.2135	mg/L	0.00777	3.64%
Fe 238.204†	539046.7	44.91	mg/L	0.815	44.91	mg/L	0.815	1.81%
Li 670.784†	-72.3	-0.0009	mg/L	0.00064	-0.0009	mg/L	0.00064	71.91%
Mg 279.077†	489.8	2.535	mg/L	0.0357	2.535	mg/L	0.0357	1.41%
Mn 257.610†	63533.1	0.2885	mg/L	0.01326	0.2885	mg/L	0.01326	4.60%
Mo 202.031†	-1.5	-0.0022	mg/L	0.00139	-0.0022	mg/L	0.00139	63.75%
Ni 231.604†	84.6	0.0517	mg/L	0.00153	0.0517	mg/L	0.00153	2.95%
Pb 220.353†	1158.1	2.672	mg/L	0.0802	2.672	mg/L	0.0802	3.00%
Sb 206.836†	19.5	0.0518	mg/L	0.00277	0.0518	mg/L	0.00277	5.33%
Se 196.026†	0.5	0.0037	mg/L	0.00442	0.0037	mg/L	0.00442	117.99%
Si 251.611†	9872.8	2.280	mg/L	0.0812	2.280	mg/L	0.0812	3.56%
Sn 189.927†	4.6	0.0185	mg/L	0.00406	0.0185	mg/L	0.00406	21.96%
Sr 421.552†	13882.9	0.0225	mg/L	0.00034	0.0225	mg/L	0.00034	1.49%
Ti 334.940†	20519.2	0.0850	mg/L	0.00482	0.0850	mg/L	0.00482	5.67%
Tl 190.801†	-6.2	-0.0074	mg/L	0.00204	-0.0074	mg/L	0.00204	27.64%
V 290.880†	131.2	0.0040	mg/L	0.00111	0.0040	mg/L	0.00111	27.97%
Zn 206.200†	2370.9	1.216	mg/L	0.0375	1.216	mg/L	0.0375	3.09%
P 213.617†	16.7	0.2928	mg/L	0.01593	0.2928	mg/L	0.01593	5.44%
S 181.975†	78.5	4.380	mg/L	0.0808	4.380	mg/L	0.0808	1.85%
Na 589.592†	21259.9	5.915	mg/L	0.0214	5.915	mg/L	0.0214	0.36%
K 766.490†	9182.5	5.981	mg/L	0.0659	5.981	mg/L	0.0659	1.10%
Hg 253.652†	45.1	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	0.00%

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst : MET02	Lab ID : 464405-013	Client ID : DOOR-N-0.1GE-DG-14 TO 27-220615-L-LA
Seqnum : 22242627080.1	Matrix : Wipe	Acct : RINCON-BERK (JG)
File : met02_hg_060322	Batch : 291424	Time : 17-JUN-2022 17:03
Cal : 22242627001	Caldate : 17-JUN-2022	
IDF : 1.0	Raw Units : mg/L	Units : ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.730	170	1.0		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	391967	398881	1.76

u=use

Method Loaded
Method Name: MET02_Hg_060322 Method Last Saved: 6/15/2022 4:39:48 PM
IEC File: 061820_HR_IEC.iec MSF File: 06-18-20.msf
Method Description: High resolution with IEC

Sequence No.: 30 Autosampler Location: 152
Sample ID: 464405-013,291424 Date Collected: 6/17/2022 5:03:50 PM
Analyst: sbw Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:
Wash Time: 20 Auto Dilution Factor: 1

Mean Data: 464405-013,291424

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y Radial	75881.2	102.4	%	3.51				3.43%
Y Axial	398880.8	101.8	%	3.85				3.78%
Ag 328.068†	-542.8	0.0001	mg/L	0.00179	0.0001	mg/L	0.00179	>999.9%
Al 308.215†	9111.1	1.487	mg/L	0.0793	1.487	mg/L	0.0793	5.33%
As 188.979†	-0.8	-0.0027	mg/L	0.00291	-0.0027	mg/L	0.00291	109.50%
B 249.677†	31.4	0.0080	mg/L	0.00168	0.0080	mg/L	0.00168	20.91%
Ba 233.527†	305.5	0.0136	mg/L	0.00057	0.0136	mg/L	0.00057	4.17%
Be 313.107†	23.5	0.0001	mg/L	0.00005	0.0001	mg/L	0.00005	42.99%
Ca 315.887†	33721.0	13.31	mg/L	0.069	13.31	mg/L	0.069	0.52%
Cd 214.440†	5.9	0.0008	mg/L	0.00007	0.0008	mg/L	0.00007	8.55%
Co 228.616†	25.2	0.0050	mg/L	0.00024	0.0050	mg/L	0.00024	4.89%
Cr 267.716†	229.8	0.0139	mg/L	0.00083	0.0139	mg/L	0.00083	6.01%
Cu 324.752†	5307.1	0.1186	mg/L	0.00688	0.1186	mg/L	0.00688	5.80%
Fe 238.204†	510003.7	42.49	mg/L	0.105	42.49	mg/L	0.105	0.25%
Li 670.784†	-31.3	-0.0004	mg/L	0.00110	-0.0004	mg/L	0.00110	287.59%
Mg 279.077†	471.7	2.442	mg/L	0.1057	2.442	mg/L	0.1057	4.33%
Mn 257.610†	59460.6	0.2700	mg/L	0.01546	0.2700	mg/L	0.01546	5.73%
Mo 202.031†	2.5	0.0036	mg/L	0.00083	0.0036	mg/L	0.00083	23.04%
Ni 231.604†	48.7	0.0297	mg/L	0.00207	0.0297	mg/L	0.00207	6.97%
Pb 220.353†	749.7	1.730	mg/L	0.0660	1.730	mg/L	0.0660	3.81%
Sb 206.836†	19.6	0.0522	mg/L	0.00915	0.0522	mg/L	0.00915	17.51%
Se 196.026†	1.9	0.0137	mg/L	0.01050	0.0137	mg/L	0.01050	76.48%
Si 251.611†	10422.9	2.407	mg/L	0.1191	2.407	mg/L	0.1191	4.95%
Sn 189.927†	10.0	0.0404	mg/L	0.00437	0.0404	mg/L	0.00437	10.83%
Sr 421.552†	10908.1	0.0177	mg/L	0.00118	0.0177	mg/L	0.00118	6.66%
Ti 334.940†	20171.8	0.0836	mg/L	0.01015	0.0836	mg/L	0.01015	12.15%
Tl 190.801†	2.8	0.0044	mg/L	0.00354	0.0044	mg/L	0.00354	79.97%
V 290.880†	104.7	0.0032	mg/L	0.00049	0.0032	mg/L	0.00049	15.37%
Zn 206.200†	13779.4	7.067	mg/L	0.4405	7.067	mg/L	0.4405	6.23%
P 213.617†	13.5	0.2377	mg/L	0.01109	0.2377	mg/L	0.01109	4.67%
S 181.975†	78.5	4.380	mg/L	0.1216	4.380	mg/L	0.1216	2.78%
Na 589.592†	20564.0	5.721	mg/L	0.0560	5.721	mg/L	0.0560	0.98%
K 766.490†	8702.4	5.669	mg/L	0.0797	5.669	mg/L	0.0797	1.41%
Hg 253.652†	50.9	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	0.00%

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET02	Lab ID	: 464405-016	Client ID	: DOOR-N-0.9GE-PS-26-220615-L-LA
Seqnum	: 22242627081.1	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met02_hg_060322	Batch	: 291424	Time	: 17-JUN-2022 17:07
Cal	: 22242627001	Caldate	: 17-JUN-2022		
IDF	: 1.0	Raw Units	: mg/L	Units	: ug/ft2

1.04 ft2 --> 100.0 ml = 96.62 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	2.794	270	0.97		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	391967	397072	1.30

u=use

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Method Loaded
Method Name: MET02_Hg_060322 **Method Last Saved: 6/15/2022 4:39:48 PM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 31 **Autosampler Location: 153**
Sample ID: 464405-016,291424 **Date Collected: 6/17/2022 5:07:49 PM**
Analyst: sbw **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: 464405-016,291424

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y Radial	76457.9	103.2	%	4.55				4.41%
Y Axial	397071.9	101.3	%	4.54				4.49%
Ag 328.068†	-614.0	0.0007	mg/L	0.00055	0.0007	mg/L	0.00055	77.77%
Al 308.215†	12466.6	2.035	mg/L	0.1185	2.035	mg/L	0.1185	5.83%
As 188.979†	-1.2	-0.0043	mg/L	0.00894	-0.0043	mg/L	0.00894	207.84%
B 249.677†	18.4	0.0047	mg/L	0.00174	0.0047	mg/L	0.00174	36.94%
Ba 233.527†	384.1	0.0171	mg/L	0.00080	0.0171	mg/L	0.00080	4.67%
Be 313.107†	18.2	0.0001	mg/L	0.00008	0.0001	mg/L	0.00008	88.09%
Ca 315.887†	33185.0	13.10	mg/L	0.064	13.10	mg/L	0.064	0.49%
Cd 214.440†	8.7	0.0012	mg/L	0.00023	0.0012	mg/L	0.00023	18.66%
Co 228.616†	31.3	0.0062	mg/L	0.00036	0.0062	mg/L	0.00036	5.88%
Cr 267.716†	513.4	0.0310	mg/L	0.00155	0.0310	mg/L	0.00155	4.99%
Cu 324.752†	20435.4	0.4566	mg/L	0.02897	0.4566	mg/L	0.02897	6.35%
Fe 238.204†	611590.9	50.95	mg/L	0.265	50.95	mg/L	0.265	0.52%
Li 670.784†	-67.4	-0.0008	mg/L	0.00034	-0.0008	mg/L	0.00034	40.95%
Mg 279.077†	497.7	2.577	mg/L	0.1069	2.577	mg/L	0.1069	4.15%
Mn 257.610†	68427.1	0.3107	mg/L	0.01898	0.3107	mg/L	0.01898	6.11%
Mo 202.031†	-0.0	-0.0000	mg/L	0.00180	-0.0000	mg/L	0.00180	>999.9%
Ni 231.604†	94.7	0.0579	mg/L	0.00194	0.0579	mg/L	0.00194	3.35%
Pb 220.353†	1210.9	2.794	mg/L	0.1260	2.794	mg/L	0.1260	4.51%
Sb 206.836†	12.3	0.0326	mg/L	0.00289	0.0326	mg/L	0.00289	8.85%
Se 196.026†	1.3	0.0095	mg/L	0.00837	0.0095	mg/L	0.00837	88.07%
Si 251.611†	11287.1	2.606	mg/L	0.1579	2.606	mg/L	0.1579	6.06%
Sn 189.927†	9.9	0.0397	mg/L	0.00356	0.0397	mg/L	0.00356	8.96%
Sr 421.552†	11669.4	0.0190	mg/L	0.00128	0.0190	mg/L	0.00128	6.74%
Ti 334.940†	23268.6	0.0964	mg/L	0.00635	0.0964	mg/L	0.00635	6.59%
Tl 190.801†	0.6	0.0016	mg/L	0.00327	0.0016	mg/L	0.00327	201.98%
V 290.880†	168.3	0.0051	mg/L	0.00172	0.0051	mg/L	0.00172	33.61%
Zn 206.200†	1519.9	0.7795	mg/L	0.03024	0.7795	mg/L	0.03024	3.88%
P 213.617†	16.2	0.2840	mg/L	0.03548	0.2840	mg/L	0.03548	12.49%
S 181.975†	89.2	4.980	mg/L	0.2210	4.980	mg/L	0.2210	4.44%
Na 589.592†	20204.8	5.622	mg/L	0.0228	5.622	mg/L	0.0228	0.41%
K 766.490†	8384.8	5.462	mg/L	0.0367	5.462	mg/L	0.0367	0.67%
Hg 253.652†	52.2	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	0.00%

ENTHALPY BLANK USER REPORT FOR 464405 METALS Wipe
EPA 6010B

Inst : MET02 Lab ID : QC995585
Seqnum : 22242627069.2 Matrix : Wipe
File : met02_hg_060322 Batch : 291424 Time : 17-JUN-2022 16:19
Cal : 22242627001 Caldate : 17-JUN-2022
IDF : 1.0 Raw Units : mg/L Units : ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Flags
Lead	A	0.0003000	ND	1.0	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	391967	410824	4.81

u=use

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Method Loaded
Method Name: MET02_Hg_060322 **Method Last Saved: 6/15/2022 4:39:48 PM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 19 **Autosampler Location: 143**
Sample ID: BLANK,QC995585,291424 **Date Collected: 6/17/2022 4:19:18 PM**
Analyst: sbw **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: BLANK,QC995585,291424

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y Radial	77040.3	104.0	%	1.22				1.18%
Y Axial	410824.4	104.8	%	2.24				2.14%
Ag 328.068†	-23.0	-0.0004	mg/L	0.00026	-0.0004	mg/L	0.00026	67.56%
Al 308.215†	-135.8	-0.0222	mg/L	0.00547	-0.0222	mg/L	0.00547	24.67%
As 188.979†	-2.3	-0.0080	mg/L	0.00598	-0.0080	mg/L	0.00598	74.86%
B 249.677†	-7.0	-0.0018	mg/L	0.00050	-0.0018	mg/L	0.00050	27.67%
Ba 233.527†	30.5	0.0014	mg/L	0.00013	0.0014	mg/L	0.00013	9.55%
Be 313.107†	17.7	0.0001	mg/L	0.00005	0.0001	mg/L	0.00005	56.26%
Ca 315.887†	131.5	0.0519	mg/L	0.00330	0.0519	mg/L	0.00330	6.35%
Cd 214.440†	1.2	0.0002	mg/L	0.00022	0.0002	mg/L	0.00022	127.96%
Co 228.616†	-0.1	-0.0000	mg/L	0.00015	-0.0000	mg/L	0.00015	567.00%
Cr 267.716†	-1.2	-0.0001	mg/L	0.00021	-0.0001	mg/L	0.00021	281.02%
Cu 324.752†	-28.8	-0.0006	mg/L	0.00075	-0.0006	mg/L	0.00075	116.88%
Fe 238.204†	190.2	0.0158	mg/L	0.00081	0.0158	mg/L	0.00081	5.10%
Li 670.784†	-151.0	-0.0018	mg/L	0.00084	-0.0018	mg/L	0.00084	45.34%
Mg 279.077†	-1.0	-0.0051	mg/L	0.00875	-0.0051	mg/L	0.00875	170.29%
Mn 257.610†	1520.2	0.0069	mg/L	0.00013	0.0069	mg/L	0.00013	1.85%
Mo 202.031†	-2.5	-0.0036	mg/L	0.00098	-0.0036	mg/L	0.00098	26.90%
Ni 231.604†	1.0	0.0006	mg/L	0.00072	0.0006	mg/L	0.00072	113.24%
Pb 220.353†	0.1	0.0003	mg/L	0.00188	0.0003	mg/L	0.00188	592.34%
Sb 206.836†	-3.9	-0.0104	mg/L	0.00295	-0.0104	mg/L	0.00295	28.31%
Se 196.026†	-1.7	-0.0129	mg/L	0.00900	-0.0129	mg/L	0.00900	69.97%
Si 251.611†	28.5	0.0066	mg/L	0.00038	0.0066	mg/L	0.00038	5.79%
Sn 189.927†	-0.1	-0.0006	mg/L	0.00421	-0.0006	mg/L	0.00421	740.95%
Sr 421.552†	36.7	0.0001	mg/L	0.00009	0.0001	mg/L	0.00009	155.57%
Ti 334.940†	-183.3	-0.0008	mg/L	0.00020	-0.0008	mg/L	0.00020	25.91%
Tl 190.801†	-4.4	-0.0058	mg/L	0.00329	-0.0058	mg/L	0.00329	56.59%
V 290.880†	-29.4	-0.0009	mg/L	0.00053	-0.0009	mg/L	0.00053	59.59%
Zn 206.200†	-6.0	-0.0031	mg/L	0.00061	-0.0031	mg/L	0.00061	19.85%
P 213.617†	-0.5	-0.0087	mg/L	0.00350	-0.0087	mg/L	0.00350	40.21%
S 181.975†	0.5	0.0279	mg/L	0.01454	0.0279	mg/L	0.01454	52.09%
Na 589.592†	390.8	0.1087	mg/L	0.02961	0.1087	mg/L	0.02961	27.23%
K 766.490†	123.6	0.0805	mg/L	0.02219	0.0805	mg/L	0.02219	27.55%
Hg 253.652†	-8.4	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	0.00%

ENTHALPY SPIKE USER REPORT FOR 464405 METALS Wipe
EPA 6010B

Type : BS
Inst : MET02
Seqnum : 22242627070.2
File : met02_hg_060322
IDF : 1.0
Lab ID : QC995586
Matrix : Wipe
Batch : 291424
Time : 17-JUN-2022 16:23
Cal : 22242627001
Units : ug/ft2

Type : BSD
Inst : MET02
Seqnum : 22242627071.2
File : met02_hg_060322
IDF : 1.0
Lab ID : QC995587
Matrix : Wipe
Batch : 291424
Time : 17-JUN-2022 16:27
Cal : 22242627001

BS: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF
BSD: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Lead	100.0	0.9648	96.48	A	96	1.003	100.3	A	100	80-120	4	20	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	391967	404932	3.31

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	391967	394619	0.68

u=use

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Method Loaded
Method Name: MET02_Hg_060322 **Method Last Saved: 6/15/2022 4:39:48 PM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 20 **Autosampler Location: 144**
Sample ID: BS,QC995586,291424 **Date Collected: 6/17/2022 4:23:17 PM**
Analyst: sbw **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: BS,QC995586,291424

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y Radial	72394.0	97.69	%	4.456				4.56%
Y Axial	404932.1	103.3	%	3.24				3.13%
Ag 328.068†	25742.8	0.4433	mg/L	0.00338	0.4433	mg/L	0.00338	0.76%
Al 308.215†	5616.8	0.9167	mg/L	0.01127	0.9167	mg/L	0.01127	1.23%
As 188.979†	263.0	0.9112	mg/L	0.03928	0.9112	mg/L	0.03928	4.31%
B 249.677†	3283.8	0.8397	mg/L	0.00557	0.8397	mg/L	0.00557	0.66%
Ba 233.527†	21792.9	0.9719	mg/L	0.00408	0.9719	mg/L	0.00408	0.42%
Be 313.107†	200901.3	0.9643	mg/L	0.00296	0.9643	mg/L	0.00296	0.31%
Ca 315.887†	2950.4	1.165	mg/L	0.0634	1.165	mg/L	0.0634	5.44%
Cd 214.440†	6648.6	0.9410	mg/L	0.00626	0.9410	mg/L	0.00626	0.67%
Co 228.616†	4492.0	0.9123	mg/L	0.00419	0.9123	mg/L	0.00419	0.46%
Cr 267.716†	15188.7	0.9165	mg/L	0.01279	0.9165	mg/L	0.01279	1.40%
Cu 324.752†	44269.1	0.9891	mg/L	0.00710	0.9891	mg/L	0.00710	0.72%
Fe 238.204†	12172.4	1.014	mg/L	0.0132	1.014	mg/L	0.0132	1.31%
Li 670.784†	87236.7	1.067	mg/L	0.0089	1.067	mg/L	0.0089	0.84%
Mg 279.077†	203.6	1.054	mg/L	0.0441	1.054	mg/L	0.0441	4.18%
Mn 257.610†	222057.9	1.008	mg/L	0.0057	1.008	mg/L	0.0057	0.56%
Mo 202.031†	668.4	0.9719	mg/L	0.03496	0.9719	mg/L	0.03496	3.60%
Ni 231.604†	1624.5	0.9923	mg/L	0.03256	0.9923	mg/L	0.03256	3.28%
Pb 220.353†	418.1	0.9648	mg/L	0.03356	0.9648	mg/L	0.03356	3.48%
Sb 206.836†	351.3	0.9317	mg/L	0.02985	0.9317	mg/L	0.02985	3.20%
Se 196.026†	111.4	0.8229	mg/L	0.01744	0.8229	mg/L	0.01744	2.12%
Si 251.611†	9738.9	2.237	mg/L	0.0206	2.237	mg/L	0.0206	0.92%
Sn 189.927†	-0.0	-0.0002	mg/L	0.00503	-0.0002	mg/L	0.00503	>999.9%
Sr 421.552†	769018.8	1.249	mg/L	0.0749	1.249	mg/L	0.0749	6.00%
Ti 334.940†	229433.6	0.9503	mg/L	0.00477	0.9503	mg/L	0.00477	0.50%
Tl 190.801†	715.1	0.9549	mg/L	0.03818	0.9549	mg/L	0.03818	4.00%
V 290.880†	31351.2	0.9510	mg/L	0.00845	0.9510	mg/L	0.00845	0.89%
Zn 206.200†	1985.9	1.018	mg/L	0.0385	1.018	mg/L	0.0385	3.78%
P 213.617†	2.6	0.0459	mg/L	0.02800	0.0459	mg/L	0.02800	61.00%
S 181.975†	2.2	0.1239	mg/L	0.05368	0.1239	mg/L	0.05368	43.31%
Na 589.592†	3848.5	1.071	mg/L	0.0250	1.071	mg/L	0.0250	2.34%
K 766.490†	13034.3	8.490	mg/L	0.0460	8.490	mg/L	0.0460	0.54%
Hg 253.652†	26.5	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	0.00%

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Method Loaded
Method Name: MET02_Hg_060322 **Method Last Saved: 6/15/2022 4:39:48 PM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 21 **Autosampler Location: 145**
Sample ID: BSD,QC995587,291424 **Date Collected: 6/17/2022 4:27:21 PM**
Analyst: sbw **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: BSD,QC995587,291424

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y Radial	74387.5	100.4	%	0.62				0.62%
Y Axial	394618.7	100.7	%	3.01				2.99%
Ag 328.068†	27109.4	0.4669	mg/L	0.02308	0.4669	mg/L	0.02308	4.94%
Al 308.215†	5924.9	0.9670	mg/L	0.04456	0.9670	mg/L	0.04456	4.61%
As 188.979†	275.5	0.9544	mg/L	0.03970	0.9544	mg/L	0.03970	4.16%
B 249.677†	3498.3	0.8945	mg/L	0.04442	0.8945	mg/L	0.04442	4.97%
Ba 233.527†	22961.1	1.024	mg/L	0.0533	1.024	mg/L	0.0533	5.20%
Be 313.107†	204471.3	0.9815	mg/L	0.00483	0.9815	mg/L	0.00483	0.49%
Ca 315.887†	2857.0	1.128	mg/L	0.0075	1.128	mg/L	0.0075	0.66%
Cd 214.440†	7046.6	0.9973	mg/L	0.05320	0.9973	mg/L	0.05320	5.33%
Co 228.616†	4733.8	0.9615	mg/L	0.05252	0.9615	mg/L	0.05252	5.46%
Cr 267.716†	16063.0	0.9693	mg/L	0.05248	0.9693	mg/L	0.05248	5.41%
Cu 324.752†	45665.7	1.020	mg/L	0.0049	1.020	mg/L	0.0049	0.48%
Fe 238.204†	12924.3	1.077	mg/L	0.0601	1.077	mg/L	0.0601	5.58%
Li 670.784†	87421.7	1.070	mg/L	0.0060	1.070	mg/L	0.0060	0.57%
Mg 279.077†	196.1	1.015	mg/L	0.0162	1.015	mg/L	0.0162	1.59%
Mn 257.610†	226730.2	1.029	mg/L	0.0060	1.029	mg/L	0.0060	0.59%
Mo 202.031†	706.3	1.027	mg/L	0.0335	1.027	mg/L	0.0335	3.27%
Ni 231.604†	1692.8	1.034	mg/L	0.0319	1.034	mg/L	0.0319	3.08%
Pb 220.353†	434.8	1.003	mg/L	0.0315	1.003	mg/L	0.0315	3.14%
Sb 206.836†	374.6	0.9935	mg/L	0.03358	0.9935	mg/L	0.03358	3.38%
Se 196.026†	117.3	0.8667	mg/L	0.03923	0.8667	mg/L	0.03923	4.53%
Si 251.611†	10902.2	2.505	mg/L	0.1238	2.505	mg/L	0.1238	4.94%
Sn 189.927†	-2.2	-0.0087	mg/L	0.00289	-0.0087	mg/L	0.00289	33.07%
Sr 421.552†	760183.2	1.235	mg/L	0.0279	1.235	mg/L	0.0279	2.26%
Ti 334.940†	233632.3	0.9677	mg/L	0.00467	0.9677	mg/L	0.00467	0.48%
Tl 190.801†	739.3	0.9870	mg/L	0.02783	0.9870	mg/L	0.02783	2.82%
V 290.880†	32918.0	0.9985	mg/L	0.04927	0.9985	mg/L	0.04927	4.93%
Zn 206.200†	2068.6	1.061	mg/L	0.0397	1.061	mg/L	0.0397	3.74%
P 213.617†	0.9	0.0158	mg/L	0.01329	0.0158	mg/L	0.01329	83.93%
S 181.975†	1.4	0.0770	mg/L	0.04583	0.0770	mg/L	0.04583	59.52%
Na 589.592†	3795.8	1.056	mg/L	0.0028	1.056	mg/L	0.0028	0.26%
K 766.490†	13230.5	8.618	mg/L	0.0436	8.618	mg/L	0.0436	0.51%
Hg 253.652†	16.3	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	0.00%

ENTHALPY INITIAL CALIBRATION FOR 464405 METALS Wipe: EPA 6010B

Instrument:	MET02		
Calibration #:	22242627001	Date:	17-JUN-2022 11:47
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met02_hg_060322	22242627002	ICAL1	17-JUN-2022 11:51	S16951, S13369 (100X)
L2	met02_hg_060322	22242627003	ICAL2	17-JUN-2022 11:55	S16949, S13369 (100X)
L3	met02_hg_060322	22242627004	ICAL3	17-JUN-2022 11:59	S16948, S13369 (100X)
L4	met02_hg_060322	22242627005	ICAL4	17-JUN-2022 12:03	S16947, S13369 (100X)

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	450.00	444.00	448.00	433.23	LORG	0.00000	0.00231		443.81	1.000		5	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
LORG: Linear regression forced through origin

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D
Lead	A	0.0100	4	0.1000	2	1.0000	3	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 464405 METALS Wipe
EPA 6010B

Inst : MET02
Calnum : 22242627001 Cal Date : 17-JUN-2022

ICV 22242627011 (17-JUN-2022) stds: S16870, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	0.9501	mg/L	-5	

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Analysis Begun

Start Time: 6/17/2022 11:47:23 AM **Plasma On Time: 6/17/2022 8:37:54 AM**
Logged In Analyst: AAICP-ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N No Serial # **Autosampler: ESI**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\06-17-22.sif
Batch ID: 06-15-22
Results Data Set: 06-17-22c
Results Library: C:\Users\Public\PerkinElmer\ICP\Data\Results\Results.mdb

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Sequence No.: 1 **Autosampler Location: 1**
Sample ID: ICALBLK **Date Collected: 6/17/2022 11:47:30 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time:

Mean Data: ICALBLK

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	74103.3	1349.13	1.82%	100.0	%
Y Axial	391967.4	6602.30	1.68%	100.0	%
Ag 328.068†	165.8	14.84	8.95%	[0.00]	mg/L
Al 308.215†	381.7	18.32	4.80%	[0.00]	mg/L
As 188.979†	0.3	3.31	>999.9%	[0.00]	mg/L
B 249.677†	92.5	6.63	7.16%	[0.00]	mg/L
Ba 233.527†	-0.8	2.94	350.95%	[0.00]	mg/L
Be 313.107†	34.7	8.33	24.00%	[0.00]	mg/L
Ca 315.887†	158.2	11.88	7.51%	[0.00]	mg/L
Cd 214.440†	3.0	1.09	36.45%	[0.00]	mg/L
Co 228.616†	-11.1	2.65	23.98%	[0.00]	mg/L
Cr 267.716†	8.1	2.00	24.77%	[0.00]	mg/L
Cu 324.752†	328.9	1.84	0.56%	[0.00]	mg/L
Fe 238.204†	187.5	10.03	5.35%	[0.00]	mg/L
Li 670.784†	664.8	105.15	15.82%	[0.00]	mg/L
Mg 279.077†	0.8	2.91	383.79%	[0.00]	mg/L
Mn 257.610†	-24.2	6.01	24.87%	[0.00]	mg/L
Mo 202.031†	2.2	0.64	29.52%	[0.00]	mg/L
Ni 231.604†	-4.3	0.93	21.58%	[0.00]	mg/L
Pb 220.353†	-1.6	1.31	82.17%	[0.00]	mg/L
Sb 206.836†	6.7	0.35	5.29%	[0.00]	mg/L
Se 196.026†	1.1	0.50	44.74%	[0.00]	mg/L
Si 251.611†	108.5	6.37	5.87%	[0.00]	mg/L
Sn 189.927†	3.0	0.32	10.76%	[0.00]	mg/L
Sr 421.552†	263.2	35.68	13.56%	[0.00]	mg/L
Ti 334.940†	567.6	78.78	13.88%	[0.00]	mg/L
Tl 190.801†	-2.9	2.65	92.70%	[0.00]	mg/L
V 290.880†	68.8	27.44	39.90%	[0.00]	mg/L
Zn 206.200†	12.0	1.38	11.47%	[0.00]	mg/L
P 213.617†	-1.8	0.82	45.26%	[0.00]	mg/L
S 181.975†	0.7	1.01	141.87%	[0.00]	mg/L
Na 589.592†	1024.2	54.20	5.29%	[0.00]	mg/L
K 766.490†	672.0	31.92	4.75%	[0.00]	mg/L
Hg 253.652†	348.0	5.19	1.49%	[0.00]	mg/L

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Method Loaded
Method Name: MET02_Hg_060322 **Method Last Saved: 6/15/2022 4:39:48 PM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 2 **Autosampler Location: 2**
Sample ID: ICAL, ICAL1, S16951 **Date Collected: 6/17/2022 11:51:30 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICAL, ICAL1, S16951

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	75311.7	4134.15	5.49%	101.6	%
Y Axial	394352.1	3295.23	0.84%	100.6	%
Al 308.215†	-44.8	51.23	114.24%	[0.02]	mg/L
Standard intensity and concentration values are not in the same order.					
As 188.979†	2.0	0.35	17.04%	[0.01]	mg/L
B 249.677†	28.8	7.26	25.18%	[0.01]	mg/L
Ba 233.527†	227.3	4.44	1.95%	[0.01]	mg/L
Be 313.107†	1044.4	38.38	3.67%	[0.005]	mg/L
Ca 315.887†	173.1	25.80	14.90%	[0.1]	mg/L
Cd 214.440†	36.0	1.71	4.76%	[0.005]	mg/L
Co 228.616†	23.7	2.42	10.24%	[0.005]	mg/L
Cr 267.716†	160.4	8.81	5.49%	[0.01]	mg/L
Cu 324.752†	511.4	4.26	0.83%	[0.01]	mg/L
Fe 238.204†	336.5	4.80	1.43%	[0.02]	mg/L
Li 670.784†	1026.2	63.59	6.20%	[0.01]	mg/L
Mg 279.077†	19.8	3.82	19.27%	[0.1]	mg/L
Mn 257.610†	2628.4	4.58	0.17%	[0.01]	mg/L
Mo 202.031†	5.4	1.00	18.57%	[0.01]	mg/L
Ni 231.604†	17.2	1.02	5.92%	[0.01]	mg/L
Pb 220.353†	4.5	0.67	14.92%	[0.01]	mg/L
Sb 206.836†	13.0	1.56	12.03%	[0.03]	mg/L
Se 196.026†	4.1	1.34	32.35%	[0.03]	mg/L
Si 251.611†	413.9	4.66	1.13%	[0.1]	mg/L
Sn 189.927†	4.0	0.58	14.53%	[0.01]	mg/L
Sr 421.552†	30749.0	255.18	0.83%	[0.05]	mg/L
Ti 334.940†	2157.4	127.84	5.93%	[0.01]	mg/L
Tl 190.801†	19.5	4.02	20.68%	[0.03]	mg/L
V 290.880†	119.6	5.83	4.87%	[0.005]	mg/L
Zn 206.200†	68.1	1.65	2.43%	[0.03]	mg/L
P 213.617†	66.2	0.87	1.31%	[1]	mg/L
S 181.975†	20.1	1.88	9.39%	[1]	mg/L
Na 589.592†	1755.5	23.47	1.34%	[0.5]	mg/L
K 766.490†	722.3	101.85	14.10%	[0.5]	mg/L
Hg 253.652†	-6.0	19.32	319.83%	[0]	mg/L
Standard intensity and concentration values are not in the same order.					

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Method Loaded
Method Name: MET02_Hg_060322 **Method Last Saved: 6/15/2022 4:39:48 PM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 3 **Autosampler Location: 3**
Sample ID: ICAL, ICAL2, S16949 **Date Collected: 6/17/2022 11:55:29 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICAL, ICAL2, S16949

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	73763.6	2030.21	2.75%	99.54	%
Y Axial	385268.2	4023.48	1.04%	98.29	%
Al 308.215†	1009.5	29.58	2.93%	[0.2]	mg/L
Standard intensity and concentration values are not in the same order.					
As 188.979†	26.2	0.52	1.99%	[0.1]	mg/L
B 249.677†	358.0	14.47	4.04%	[0.1]	mg/L
Ba 233.527†	2237.8	48.37	2.16%	[0.1]	mg/L
Be 313.107†	10478.7	231.85	2.21%	[0.05]	mg/L
Cd 214.440†	357.8	11.47	3.21%	[0.05]	mg/L
Co 228.616†	235.6	6.19	2.63%	[0.05]	mg/L
Cr 267.716†	1689.4	47.21	2.79%	[0.1]	mg/L
Cu 324.752†	4092.8	135.31	3.31%	[0.1]	mg/L
Fe 238.204†	2419.9	91.84	3.80%	[0.2]	mg/L
Li 670.784†	8081.8	53.61	0.66%	[0.1]	mg/L
Mn 257.610†	22319.5	538.27	2.41%	[0.1]	mg/L
Mo 202.031†	61.9	2.45	3.96%	[0.1]	mg/L
Ni 231.604†	164.2	4.60	2.80%	[0.1]	mg/L
Pb 220.353†	44.4	0.88	1.99%	[0.1]	mg/L
Sb 206.836†	114.7	3.75	3.27%	[0.3]	mg/L
Se 196.026†	38.6	1.55	4.00%	[0.3]	mg/L
Sn 189.927†	24.7	2.29	9.29%	[0.1]	mg/L
Sr 421.552†	308919.6	275.67	0.09%	[0.5]	mg/L
Ti 334.940†	23020.9	535.22	2.32%	[0.1]	mg/L
Tl 190.801†	222.0	5.48	2.47%	[0.3]	mg/L
V 290.880†	1623.7	57.84	3.56%	[0.05]	mg/L
Zn 206.200†	581.8	13.03	2.24%	[0.3]	mg/L
Hg 253.652†	0.1	9.23	>999.9%	[0]	mg/L
Standard intensity and concentration values are not in the same order.					

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Method Loaded
Method Name: MET02_Hg_060322 **Method Last Saved: 6/15/2022 4:39:48 PM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 4 **Autosampler Location: 4**
Sample ID: ICAL, ICAL3, S16948 **Date Collected: 6/17/2022 11:59:28 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICAL, ICAL3, S16948

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	72962.8	3079.13	4.22%	98.46	%
Y Axial	386290.0	6768.78	1.75%	98.55	%
Al 308.215†	11672.8	948.52	8.13%	[2]	mg/L
Standard intensity and concentration values are not in the same order.					
As 188.979†	279.9	5.67	2.03%	[1]	mg/L
B 249.677†	3722.8	349.48	9.39%	[1]	mg/L
Ba 233.527†	22641.6	1875.80	8.28%	[1]	mg/L
Be 313.107†	104158.6	406.39	0.39%	[0.5]	mg/L
Cd 214.440†	3602.5	329.12	9.14%	[0.5]	mg/L
Co 228.616†	2400.5	189.28	7.89%	[0.5]	mg/L
Cr 267.716†	16643.4	1423.20	8.55%	[1]	mg/L
Cu 324.752†	44709.3	3739.17	8.36%	[1]	mg/L
Fe 238.204†	24425.9	2096.48	8.58%	[2]	mg/L
Li 670.784†	80909.6	559.56	0.69%	[1]	mg/L
Mn 257.610†	220821.7	988.37	0.45%	[1]	mg/L
Mo 202.031†	611.1	9.68	1.58%	[1]	mg/L
Ni 231.604†	1694.2	35.85	2.12%	[1]	mg/L
Pb 220.353†	448.0	7.56	1.69%	[1]	mg/L
Sb 206.836†	1063.4	25.92	2.44%	[3]	mg/L
Se 196.026†	406.2	7.77	1.91%	[3]	mg/L
Sn 189.927†	251.1	5.09	2.03%	[1]	mg/L
Sr 421.552†	3078471.1	116544.08	3.79%	[5]	mg/L
Ti 334.940†	231828.7	941.35	0.41%	[1]	mg/L
Tl 190.801†	2329.0	48.05	2.06%	[3]	mg/L
V 290.880†	16341.1	1387.37	8.49%	[0.5]	mg/L
Zn 206.200†	5965.4	551.50	9.25%	[3]	mg/L
Hg 253.652†	13.0	15.42	118.73%	[0]	mg/L
Standard intensity and concentration values are not in the same order.					

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Method Loaded
Method Name: MET02_Hg_060322 **Method Last Saved: 6/15/2022 4:39:48 PM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 5 **Autosampler Location: 5**
Sample ID: ICAL, ICAL4, S16947 **Date Collected: 6/17/2022 12:03:34 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICAL, ICAL4, S16947

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	72742.9	1826.17	2.51%	98.16	%
Y Axial	377777.8	6398.84	1.69%	96.38	%
Al 308.215†	122606.2	265.28	0.22%	[20]	mg/L
Standard intensity and concentration values are not in the same order.					
As 188.979†	2886.0	208.82	7.24%	[10]	mg/L
B 249.677†	39126.8	74.60	0.19%	[10]	mg/L
Ba 233.527†	224200.0	369.54	0.16%	[10]	mg/L
Cd 214.440†	35319.6	157.19	0.45%	[5]	mg/L
Co 228.616†	24579.0	1762.75	7.17%	[5]	mg/L
Cr 267.716†	165713.9	245.35	0.15%	[10]	mg/L
Cu 324.752†	447585.4	524.47	0.12%	[10]	mg/L
Fe 238.204†	240027.4	344.83	0.14%	[20]	mg/L
Li 670.784†	817321.0	1822.46	0.22%	[10]	mg/L
Mn 257.610†	2202401.4	2899.37	0.13%	[10]	mg/L
Mo 202.031†	6885.7	469.41	6.82%	[10]	mg/L
Ni 231.604†	16365.7	1127.79	6.89%	[10]	mg/L
Pb 220.353†	4332.3	334.03	7.71%	[10]	mg/L
Sb 206.836†	11256.3	734.54	6.53%	[30]	mg/L
Sn 189.927†	2485.5	215.01	8.65%	[10]	mg/L
Ti 334.940†	2415185.9	4240.92	0.18%	[10]	mg/L
Tl 190.801†	22660.4	1468.38	6.48%	[30]	mg/L
V 290.880†	164848.2	165.24	0.10%	[5]	mg/L
Zn 206.200†	58482.1	153.72	0.26%	[30]	mg/L
Hg 253.652†	75.6	9.42	12.46%	[0]	mg/L
Standard intensity and concentration values are not in the same order.					

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Method Loaded
Method Name: MET02_Hg_060322 **Method Last Saved: 6/15/2022 4:39:48 PM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 6 **Autosampler Location: 9**
Sample ID: ICAL, ICAL5, S16645 **Date Collected: 6/17/2022 12:06:36 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICAL, ICAL5, S16645

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	75421.6	3371.01	4.47%	101.8	%
Y Axial	385592.8	10289.26	2.67%	98.37	%
Ag 328.068†	116189.5	946.95	0.82%	[2]	mg/L
Hg 253.652†	-4.6	15.88	344.70%	[0]	mg/L

Standard intensity and concentration values are not in the same order.

==========

Method Loaded
Method Name: MET02_Hg_060322 **Method Last Saved: 6/15/2022 4:39:48 PM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

==========

Sequence No.: 7 **Autosampler Location: 10**
Sample ID: ICAL, ICAL6, S16518 **Date Collected: 6/17/2022 12:09:31 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICAL, ICAL6, S16518

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	73241.0	1687.99	2.30%	98.84	%
Y Axial	381867.0	4400.66	1.15%	97.42	%
Ca 315.887†	25340.9	97.87	0.39%	[10]	mg/L
Mg 279.077†	1975.4	39.76	2.01%	[10]	mg/L
Si 251.611†	43309.4	200.58	0.46%	[10]	mg/L
Na 589.592†	173111.3	712.45	0.41%	[50]	mg/L
K 766.490†	70655.5	112.98	0.16%	[50]	mg/L
Hg 253.652†	33.9	8.38	24.70%	[0]	mg/L

Standard intensity and concentration values are not in the same order.

==========

Method Loaded
Method Name: MET02_Hg_060322 **Method Last Saved: 6/15/2022 4:39:48 PM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

==========

Sequence No.: 8 **Autosampler Location: 101**
Sample ID: ICAL, ICAL7, S16959 **Date Collected: 6/17/2022 12:12:26 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICAL, ICAL7, S16959

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	74861.1	563.00	0.75%	101.0	%
Y Axial	407153.5	14605.33	3.59%	103.9	%
P 213.617†	568.6	15.10	2.66%	[10]	mg/L
S 181.975†	179.0	5.45	3.05%	[10]	mg/L
Hg 253.652†	0.9	2.85	301.37%	[0]	mg/L

Standard intensity and concentration values are not in the same order.

==========

Method Loaded
Method Name: MET02_Hg_060322 **Method Last Saved: 6/15/2022 4:39:48 PM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

==========

Sequence No.: 9 **Autosampler Location: 102**
Sample ID: ICAL, ICAL8, S16519 **Date Collected: 6/17/2022 12:16:21 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICAL, ICAL8, S16519

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y Radial	68688.2	2353.13	3.43%	92.69	%
Y Axial	330574.8	6510.33	1.97%	84.34	%
Ca 315.887†	506629.1	25608.00	5.05%	[200]	mg/L
Mg 279.077†	38631.2	607.20	1.57%	[200]	mg/L
Na 589.592†	720489.7	31965.46	4.44%	[200]	mg/L
K 766.490†	308566.5	14644.41	4.75%	[200]	mg/L
Hg 253.652†	415.7	24.94	6.00%	[0]	mg/L

Standard intensity and concentration values are not in the same order.

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	1	Lin Thru 0	0.0	58090	0.00000	1.000000	
Al 308.215	4	Lin Thru 0	0.0	6127	0.00000	0.999986	
As 188.979	4	Lin Thru 0	0.0	288.5	0.00000	0.999995	
B 249.677	4	Lin Thru 0	0.0	3911	0.00000	0.999988	
Ba 233.527	4	Lin Thru 0	0.0	22420	0.00000	1.000000	
Be 313.107	3	Lin Thru 0	0.0	208300	0.00000	1.000000	
Ca 315.887	3	Lin Thru 0	0.0	2533	0.00000	1.000000	
Cd 214.440	4	Lin Thru 0	0.0	7065	0.00000	0.999998	
Co 228.616	4	Lin Thru 0	0.0	4915	0.00000	0.999997	
Cr 267.716	4	Lin Thru 0	0.0	16570	0.00000	1.000000	
Cu 324.752	4	Lin Thru 0	0.0	44760	0.00000	1.000000	
Fe 238.204	4	Lin Thru 0	0.0	12000	0.00000	0.999998	
Li 670.784	4	Lin Thru 0	0.0	81720	0.00000	0.999999	
Mg 279.077	3	Lin Thru 0	0.0	193.2	0.00000	0.999999	
Mn 257.610	4	Lin Thru 0	0.0	220200	0.00000	1.000000	
Mo 202.031	4	Lin Thru 0	0.0	687.8	0.00000	0.999937	
Ni 231.604	4	Lin Thru 0	0.0	1637	0.00000	0.999994	
Pb 220.353	4	Lin Thru 0	0.0	433.4	0.00000	0.999994	
Sb 206.836	4	Lin Thru 0	0.0	375.0	0.00000	0.999985	
Se 196.026	3	Lin Thru 0	0.0	135.3	0.00000	0.999988	
Si 251.611	2	Lin Thru 0	0.0	4331	0.00000	1.000000	
Sn 189.927	4	Lin Thru 0	0.0	248.6	0.00000	0.999999	
Sr 421.552	3	Lin Thru 0	0.0	615700	0.00000	1.000000	
Ti 334.940	4	Lin Thru 0	0.0	241400	0.00000	0.999992	
Tl 190.801	4	Lin Thru 0	0.0	755.6	0.00000	0.999996	
V 290.880	4	Lin Thru 0	0.0	32970	0.00000	1.000000	
Zn 206.200	4	Lin Thru 0	0.0	1950	0.00000	0.999998	
P 213.617	2	Lin Thru 0	0.0	56.96	0.00000	0.999867	
S 181.975	2	Lin Thru 0	0.0	17.92	0.00000	0.999928	
Na 589.592	3	Lin Thru 0	0.0	3594	0.00000	0.999958	
K 766.490	3	Lin Thru 0	0.0	1535	0.00000	0.999802	
Hg 253.652	8	Lin Thru 0	0.0	0.0000	0.00000	0.000000	

==========

Method Loaded
Method Name: MET02_Hg_060322 **Method Last Saved: 6/15/2022 4:39:48 PM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC
Analysis canceled by a QC failure action: 'Stop'.

==========

Analysis Begun

Start Time: 6/17/2022 12:23:20 PM **Plasma On Time: 6/17/2022 8:37:54 AM**
Logged In Analyst: AAICP-ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N No Serial # **Autosampler: ESI**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\06-17-22.sif
Batch ID: 06-15-22
Results Data Set: 06-17-22c
Results Library: C:\Users\Public\PerkinElmer\ICP\Data\Results\Results.mdb

==========

Sequence No.: 10 **Autosampler Location: 7**
Sample ID: ICV, S16870 **Date Collected: 6/17/2022 12:23:22 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICV, S16870

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y Radial	71906.9	97.04	%	3.382				3.48%
Y Axial	362032.8	92.36	%	2.738				2.96%
Ag 328.068†	27298.0	0.4701	mg/L	0.00204	0.4701	mg/L	0.00204	0.43%
QC value within limits for Ag 328.068 Recovery = 94.02%								
Al 308.215†	6334.8	1.034	mg/L	0.0083	1.034	mg/L	0.0083	0.80%
QC value within limits for Al 308.215 Recovery = 103.39%								
As 188.979†	295.4	1.023	mg/L	0.0361	1.023	mg/L	0.0361	3.53%
QC value within limits for As 188.979 Recovery = 102.33%								
B 249.677†	4111.0	1.051	mg/L	0.0372	1.051	mg/L	0.0372	3.54%
QC value within limits for B 249.677 Recovery = 105.12%								
Ba 233.527†	21653.7	0.9657	mg/L	0.00852	0.9657	mg/L	0.00852	0.88%
QC value within limits for Ba 233.527 Recovery = 96.57%								
Be 313.107†	213976.1	1.027	mg/L	0.0048	1.027	mg/L	0.0048	0.47%
QC value within limits for Be 313.107 Recovery = 102.71%								
Ca 315.887†	251688.6	99.36	mg/L	0.265	99.36	mg/L	0.265	0.27%
QC value within limits for Ca 315.887 Recovery = 98.37%								
Cd 214.440†	6699.4	0.9482	mg/L	0.01135	0.9482	mg/L	0.01135	1.20%
QC value within limits for Cd 214.440 Recovery = 94.82%								
Co 228.616†	4489.9	0.9118	mg/L	0.02928	0.9118	mg/L	0.02928	3.21%
QC value within limits for Co 228.616 Recovery = 91.18%								
Cr 267.716†	15612.7	0.9421	mg/L	0.00511	0.9421	mg/L	0.00511	0.54%
QC value within limits for Cr 267.716 Recovery = 94.21%								
Cu 324.752†	43000.3	0.9607	mg/L	0.00303	0.9607	mg/L	0.00303	0.32%
QC value within limits for Cu 324.752 Recovery = 96.07%								
Fe 238.204†	12140.9	1.011	mg/L	0.0084	1.011	mg/L	0.0084	0.83%
QC value within limits for Fe 238.204 Recovery = 101.15%								
Li 670.784†	85391.3	1.045	mg/L	0.0047	1.045	mg/L	0.0047	0.45%
QC value within limits for Li 670.784 Recovery = 104.49%								
Mg 279.077†	19553.8	101.2	mg/L	0.26	101.2	mg/L	0.26	0.26%
QC value within limits for Mg 279.077 Recovery = 100.23%								
Mn 257.610†	215632.8	0.9791	mg/L	0.00230	0.9791	mg/L	0.00230	0.23%
QC value within limits for Mn 257.610 Recovery = 97.91%								
Mo 202.031†	705.1	1.025	mg/L	0.0317	1.025	mg/L	0.0317	3.09%
QC value within limits for Mo 202.031 Recovery = 102.51%								
Ni 231.604†	1482.3	0.9054	mg/L	0.02861	0.9054	mg/L	0.02861	3.16%
QC value within limits for Ni 231.604 Recovery = 90.54%								
Pb 220.353†	411.8	0.9501	mg/L	0.02465	0.9501	mg/L	0.02465	2.59%
QC value within limits for Pb 220.353 Recovery = 95.01%								
Sb 206.836†	414.2	1.099	mg/L	0.0329	1.099	mg/L	0.0329	2.99%
QC value within limits for Sb 206.836 Recovery = 109.91%								
Se 196.026†	132.7	0.9807	mg/L	0.02362	0.9807	mg/L	0.02362	2.41%
QC value within limits for Se 196.026 Recovery = 98.07%								
Si 251.611†	24042.8	5.540	mg/L	0.0453	5.540	mg/L	0.0453	0.82%
QC value greater than the upper limit for Si 251.611 Recovery = 110.79%								
Sn 189.927†	1158.9	4.662	mg/L	0.1617	4.662	mg/L	0.1617	3.47%

```
   QC value within limits for Sn 189.927  Recovery = 93.24%
Sr 421.552†          628884.6       1.021 mg/L        0.0482       1.021 mg/L        0.0482   4.72%
   QC value within limits for Sr 421.552  Recovery = 102.14%
Ti 334.940†          241918.1       1.002 mg/L        0.0033       1.002 mg/L        0.0033   0.33%
   QC value within limits for Ti 334.940  Recovery = 100.21%
Tl 190.801†             693.3      0.9264 mg/L       0.02135      0.9264 mg/L       0.02135   2.31%
   QC value within limits for Tl 190.801  Recovery = 92.64%
V 290.880†            33177.3       1.006 mg/L        0.0039       1.006 mg/L        0.0039   0.39%
   QC value within limits for V 290.880  Recovery = 100.64%
Zn 206.200†           1919.3      0.9840 mg/L       0.02995      0.9840 mg/L       0.02995   3.04%
   QC value within limits for Zn 206.200  Recovery = 98.40%
P 213.617†             366.7       6.437 mg/L        0.1741       6.437 mg/L        0.1741   2.70%
S 181.975†              -3.2     -0.1761 mg/L       0.14145     -0.1761 mg/L       0.14145  80.31%
Na 589.592†          360192.6       100.2 mg/L          0.68       100.2 mg/L          0.68   0.67%
   QC value within limits for Na 589.592  Recovery = 99.22%
K 766.490†           163992.4       106.8 mg/L          0.56       106.8 mg/L          0.56   0.53%
   QC value within limits for K 766.490  Recovery = 97.11%
Hg 253.652†            246.4      0.0000 mg/L       0.00000      0.0000 mg/L       0.00000   0.00%
QC Failed.  Stop the analysis.
```

ENTHALPY INSTRUMENT BLANK FOR 464405 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22242627012 File : met02_hg_060322 Time : 17-JUN-2022 12:27
Cal : 22242627001 Caldate : 17-JUN-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.01000	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	391967	395572	0.92

==========

Method Loaded
Method Name: MET02_Hg_060322 **Method Last Saved: 6/15/2022 4:39:48 PM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC
Analysis canceled by a QC failure action: 'Stop'.

==========

Analysis Begun

Start Time: 6/17/2022 12:27:17 PM **Plasma On Time: 6/17/2022 8:37:54 AM**
Logged In Analyst: AAICP-ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N No Serial # **Autosampler: ESI**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\06-17-22.sif
Batch ID: 06-15-22
Results Data Set: 06-17-22c
Results Library: C:\Users\Public\PerkinElmer\ICP\Data\Results\Results.mdb

==========

Sequence No.: 11 **Autosampler Location: 8**
Sample ID: ICB **Date Collected: 6/17/2022 12:27:18 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time:

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y Radial	74957.2	101.2	%	3.31				3.27%
Y Axial	395571.6	100.9	%	1.49				1.47%
Ag 328.068†	41.4	0.0007	mg/L	0.00064	0.0007	mg/L	0.00064	89.69%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-119.4	-0.0195	mg/L	0.00462	-0.0195	mg/L	0.00462	23.70%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-0.0	-0.0000	mg/L	0.00751	-0.0000	mg/L	0.00751	>999.9%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	44.2	0.0113	mg/L	0.00174	0.0113	mg/L	0.00174	15.37%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 233.527†	6.3	0.0003	mg/L	0.00006	0.0003	mg/L	0.00006	22.98%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	50.0	0.0002	mg/L	0.00015	0.0002	mg/L	0.00015	63.88%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	-62.1	-0.0245	mg/L	0.00042	-0.0245	mg/L	0.00042	1.72%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440†	1.4	0.0002	mg/L	0.00025	0.0002	mg/L	0.00025	126.95%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	-0.1	-0.0000	mg/L	0.00009	-0.0000	mg/L	0.00009	342.37%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	1.2	0.0001	mg/L	0.00026	0.0001	mg/L	0.00026	365.85%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	38.4	0.0009	mg/L	0.00023	0.0009	mg/L	0.00023	27.30%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 238.204†	127.4	0.0106	mg/L	0.00109	0.0106	mg/L	0.00109	10.24%
QC value within limits for Fe 238.204 Recovery = Not calculated								
Li 670.784†	312.7	0.0038	mg/L	0.00058	0.0038	mg/L	0.00058	15.16%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.077†	0.5	0.0028	mg/L	0.00723	0.0028	mg/L	0.00723	257.62%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	119.5	0.0005	mg/L	0.00004	0.0005	mg/L	0.00004	8.00%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	20.7	0.0300	mg/L	0.00307	0.0300	mg/L	0.00307	10.23%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604†	0.3	0.0002	mg/L	0.00088	0.0002	mg/L	0.00088	432.61%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	0.4	0.0010	mg/L	0.00134	0.0010	mg/L	0.00134	135.07%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	2.8	0.0075	mg/L	0.00876	0.0075	mg/L	0.00876	116.47%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-0.1	-0.0009	mg/L	0.01006	-0.0009	mg/L	0.01006	>999.9%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	-40.2	-0.0096	mg/L	0.00050	-0.0096	mg/L	0.00050	5.18%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	13.9	0.0560	mg/L	0.00882	0.0560	mg/L	0.00882	15.75%

```
Sr 421.552†              -20.5     -0.0000 mg/L       0.00007     -0.0000 mg/L       0.00007 200.96%
   QC value within limits for Sr 421.552  Recovery = Not calculated
Ti 334.940†             1005.4      0.0042 mg/L       0.00068      0.0042 mg/L       0.00068  16.42%
   QC value within limits for Ti 334.940  Recovery = Not calculated
Tl 190.801†                9.1      0.0121 mg/L       0.00334      0.0121 mg/L       0.00334  27.65%
   QC value within limits for Tl 190.801  Recovery = Not calculated
V 290.880†                -5.1     -0.0002 mg/L       0.00010     -0.0002 mg/L       0.00010  65.33%
   QC value within limits for V 290.880  Recovery = Not calculated
Zn 206.200†                7.3      0.0038 mg/L       0.00017      0.0038 mg/L       0.00017   4.42%
   QC value within limits for Zn 206.200  Recovery = Not calculated
P 213.617†                 0.2      0.0041 mg/L       0.01802      0.0041 mg/L       0.01802 435.09%
S 181.975†                 0.5      0.0293 mg/L       0.03507      0.0293 mg/L       0.03507 119.64%
Na 589.592†              711.0      0.1978 mg/L       0.02626      0.1978 mg/L       0.02626  13.27%
   QC value less than the lower limit for Na 589.592  Recovery = 39.56%
K 766.490†               744.6      0.4850 mg/L       0.11145      0.4850 mg/L       0.11145  22.98%
   QC value within limits for K 766.490  Recovery = 97.00%
Hg 253.652†                1.0      0.0000 mg/L       0.00000      0.0000 mg/L       0.00000   0.00%
QC Failed.  Continue with analysis.
```

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 464405 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22242627013 File : met02_hg_060322 Time : 17-JUN-2022 12:31
Cal : 22242627001 Caldate : 17-JUN-2022
Standards: S16979, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[0.006300]	0.01000	mg/L	

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Aluminum	A	400.0	437.7	mg/L	109	
Aluminum as Al2O3	A	755.8	827.0	mg/L	109	
Calcium	A	400.0	413.4	mg/L	103	
Calcium as CaCO3	A	998.9	1032	mg/L	103	
Iron	A	160.0	142.7	mg/L	89	
Iron as Fe2O3	A	228.8	204.0	mg/L	89	
Magnesium	A	400.0	427.4	mg/L	107	
Magnesium as MgCO3	A	1388	1483	mg/L	107	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	391967	326907	-16.60

==========

Method Loaded
Method Name: MET02_Hg_060322 **Method Last Saved: 6/15/2022 4:39:48 PM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

==========

Sequence No.: 12 **Autosampler Location: 109**
Sample ID: ICSA, S16979 **Date Collected: 6/17/2022 12:31:17 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICSA, S16979

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y Radial	69063.6	93.20	%	2.475				2.66%
Y Axial	326906.9	83.40	%	1.653				1.98%
Ag 328.068†	-2348.9	-0.0088	mg/L	0.00046	-0.0088	mg/L	0.00046	5.22%
Al 308.215†	2681670.6	437.7	mg/L	2.42	437.7	mg/L	2.42	0.55%
QC value within limits for Al 308.215 Recovery = 109.42%								
As 188.979†	1.9	0.0065	mg/L	0.00531	0.0065	mg/L	0.00531	81.94%
B 249.677†	113.0	0.0289	mg/L	0.00171	0.0289	mg/L	0.00171	5.93%
Ba 233.527†	114.5	0.0051	mg/L	0.00013	0.0051	mg/L	0.00013	2.62%
Be 313.107†	-19.1	-0.0001	mg/L	0.00001	-0.0001	mg/L	0.00001	10.80%
Ca 315.887†	1047169.1	413.4	mg/L	9.35	413.4	mg/L	9.35	2.26%
QC value within limits for Ca 315.887 Recovery = 103.35%								
Cd 214.440†	46.8	0.0066	mg/L	0.00087	0.0066	mg/L	0.00087	13.20%
Co 228.616†	6.1	0.0012	mg/L	0.00083	0.0012	mg/L	0.00083	66.98%
Cr 267.716†	24.2	0.0015	mg/L	0.00058	0.0015	mg/L	0.00058	39.89%
Cu 324.752†	119.9	0.0027	mg/L	0.00029	0.0027	mg/L	0.00029	10.89%
Fe 238.204†	1713291.7	142.7	mg/L	0.55	142.7	mg/L	0.55	0.39%
QC value within limits for Fe 238.204 Recovery = 89.21%								
Li 670.784†	157.7	0.0019	mg/L	0.00045	0.0019	mg/L	0.00045	23.24%
Mg 279.077†	82559.8	427.4	mg/L	2.18	427.4	mg/L	2.18	0.51%
QC value within limits for Mg 279.077 Recovery = 106.85%								
Mn 257.610†	-71.1	-0.0003	mg/L	0.00010	-0.0003	mg/L	0.00010	31.93%
Mo 202.031†	4.7	0.0068	mg/L	0.00447	0.0068	mg/L	0.00447	65.72%
Ni 231.604†	-3.3	-0.0020	mg/L	0.00326	-0.0020	mg/L	0.00326	162.44%
Pb 220.353†	2.7	0.0063	mg/L	0.01050	0.0063	mg/L	0.01050	165.74%
Sb 206.836†	8.2	0.0218	mg/L	0.00669	0.0218	mg/L	0.00669	30.68%
Se 196.026†	-5.3	-0.0394	mg/L	0.02092	-0.0394	mg/L	0.02092	53.11%
Si 251.611†	-27.6	-0.0064	mg/L	0.00065	-0.0064	mg/L	0.00065	10.06%
Sn 189.927†	5.2	0.0210	mg/L	0.01994	0.0210	mg/L	0.01994	95.12%
Sr 421.552†	11450.8	0.0186	mg/L	0.00089	0.0186	mg/L	0.00089	4.76%
Ti 334.940†	-345.5	-0.0014	mg/L	0.00015	-0.0014	mg/L	0.00015	10.67%
Tl 190.801†	-14.5	-0.0192	mg/L	0.00812	-0.0192	mg/L	0.00812	42.26%
V 290.880†	-393.0	-0.0119	mg/L	0.00225	-0.0119	mg/L	0.00225	18.83%
Zn 206.200†	-28.4	-0.0145	mg/L	0.00061	-0.0145	mg/L	0.00061	4.19%
P 213.617†	-11.6	-0.2030	mg/L	0.05333	-0.2030	mg/L	0.05333	26.27%
S 181.975†	-1.9	-0.1077	mg/L	0.04874	-0.1077	mg/L	0.04874	45.25%
Na 589.592†	792.8	0.2206	mg/L	0.01371	0.2206	mg/L	0.01371	6.22%
K 766.490†	435.7	0.2838	mg/L	0.02887	0.2838	mg/L	0.02887	10.17%
Hg 253.652†	798.3	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	0.00%

All analyte(s) passed QC.

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 464405 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22242627014 File : met02_hg_060322 Time : 17-JUN-2022 12:34
Cal : 22242627001 Caldate : 17-JUN-2022
Standards: S16601, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	0.9546	mg/L	-5	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	391967	325856	-16.87

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Method Loaded
Method Name: MET02_Hg_060322 **Method Last Saved: 6/15/2022 4:39:48 PM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 13 **Autosampler Location: 110**
Sample ID: ICSAB, S16601 **Date Collected: 6/17/2022 12:34:20 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: ICSAB, S16601

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y Radial	69128.1	93.29	%	1.926				2.07%
Y Axial	325856.3	83.13	%	2.115				2.54%
Ag 328.068†	57712.2	1.024	mg/L	0.0652	1.024	mg/L	0.0652	6.36%
QC value within limits for Ag 328.068 Recovery = 102.39%								
Al 308.215†	2631827.9	429.5	mg/L	0.80	429.5	mg/L	0.80	0.19%
QC value within limits for Al 308.215 Recovery = 107.38%								
As 188.979†	-2.7	-0.0097	mg/L	0.00909	-0.0097	mg/L	0.00909	93.50%
B 249.677†	98.1	0.0251	mg/L	0.00234	0.0251	mg/L	0.00234	9.34%
Ba 233.527†	11650.1	0.5196	mg/L	0.03573	0.5196	mg/L	0.03573	6.88%
QC value within limits for Ba 233.527 Recovery = 103.92%								
Be 313.107†	104838.9	0.5032	mg/L	0.00024	0.5032	mg/L	0.00024	0.05%
QC value within limits for Be 313.107 Recovery = 100.65%								
Ca 315.887†	1009655.7	398.6	mg/L	11.61	398.6	mg/L	11.61	2.91%
QC value within limits for Ca 315.887 Recovery = 99.64%								
Cd 214.440†	6651.6	0.9414	mg/L	0.05622	0.9414	mg/L	0.05622	5.97%
QC value within limits for Cd 214.440 Recovery = 94.14%								
Co 228.616†	2096.4	0.4266	mg/L	0.01015	0.4266	mg/L	0.01015	2.38%
QC value within limits for Co 228.616 Recovery = 85.31%								
Cr 267.716†	8313.3	0.5016	mg/L	0.01145	0.5016	mg/L	0.01145	2.28%
QC value within limits for Cr 267.716 Recovery = 100.33%								
Cu 324.752†	23169.1	0.5177	mg/L	0.03235	0.5177	mg/L	0.03235	6.25%
QC value within limits for Cu 324.752 Recovery = 103.53%								
Fe 238.204†	1654449.0	137.8	mg/L	0.16	137.8	mg/L	0.16	0.11%
QC value within limits for Fe 238.204 Recovery = 86.14%								
Li 670.784†	108.4	0.0013	mg/L	0.00037	0.0013	mg/L	0.00037	27.62%
Mg 279.077†	79792.8	413.1	mg/L	2.86	413.1	mg/L	2.86	0.69%
QC value within limits for Mg 279.077 Recovery = 103.27%								
Mn 257.610†	111108.8	0.5045	mg/L	0.03294	0.5045	mg/L	0.03294	6.53%
QC value within limits for Mn 257.610 Recovery = 100.90%								
Mo 202.031†	0.4	0.0006	mg/L	0.00279	0.0006	mg/L	0.00279	462.26%
Ni 231.604†	1412.9	0.8630	mg/L	0.01920	0.8630	mg/L	0.01920	2.22%
QC value within limits for Ni 231.604 Recovery = 86.30%								
Pb 220.353†	413.7	0.9546	mg/L	0.02191	0.9546	mg/L	0.02191	2.29%
QC value within limits for Pb 220.353 Recovery = 95.46%								
Sb 206.836†	7.5	0.0172	mg/L	0.00458	0.0172	mg/L	0.00458	26.61%
Se 196.026†	-4.1	-0.0301	mg/L	0.02023	-0.0301	mg/L	0.02023	67.17%
Si 251.611†	9.9	0.0023	mg/L	0.00043	0.0023	mg/L	0.00043	18.78%
Sn 189.927†	2.2	0.0090	mg/L	0.01494	0.0090	mg/L	0.01494	165.60%
Sr 421.552†	14699.5	0.0239	mg/L	0.00151	0.0239	mg/L	0.00151	6.33%
Ti 334.940†	2.7	0.0000	mg/L	0.00025	0.0000	mg/L	0.00025	>999.9%
Tl 190.801†	-14.5	-0.0192	mg/L	0.00646	-0.0192	mg/L	0.00646	33.61%
V 290.880†	16512.1	0.5009	mg/L	0.03086	0.5009	mg/L	0.03086	6.16%
QC value within limits for V 290.880 Recovery = 100.17%								
Zn 206.200†	1794.7	0.9203	mg/L	0.01953	0.9203	mg/L	0.01953	2.12%
QC value within limits for Zn 206.200 Recovery = 92.03%								
P 213.617†	-8.2	-0.1438	mg/L	0.02719	-0.1438	mg/L	0.02719	18.91%
S 181.975†	-4.9	-0.2707	mg/L	0.12211	-0.2707	mg/L	0.12211	45.11%
Na 589.592†	839.8	0.2337	mg/L	0.02699	0.2337	mg/L	0.02699	11.55%
K 766.490†	381.6	0.2486	mg/L	0.05853	0.2486	mg/L	0.05853	23.54%
Hg 253.652†	769.3	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	0.00%

All analyte(s) passed QC.

ENTHALPY CONTINUING CALIBRATION FOR 464405 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22242627066 File : met02_hg_060322 Time : 17-JUN-2022 16:07
Cal : 22242627001 Caldate : 17-JUN-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	443.81	401.50	1.000	0.9264	mg/L	-7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	391967	365030	-6.87

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Method Loaded
Method Name: MET02_Hg_060322 **Method Last Saved: 6/15/2022 4:39:48 PM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 16 **Autosampler Location: 7**
Sample ID: CCV, S16870 **Date Collected: 6/17/2022 4:07:19 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: CCV, S16870

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y Radial	69096.3	93.24	%	2.196				2.36%
Y Axial	365030.4	93.13	%	2.097				2.25%
Ag 328.068†	26921.4	0.4636	mg/L	0.00050	0.4636	mg/L	0.00050	0.11%
QC value within limits for Ag 328.068 Recovery = 92.73%								
Al 308.215†	6345.7	1.036	mg/L	0.0064	1.036	mg/L	0.0064	0.62%
QC value within limits for Al 308.215 Recovery = 103.57%								
As 188.979†	278.9	0.9662	mg/L	0.01641	0.9662	mg/L	0.01641	1.70%
QC value within limits for As 188.979 Recovery = 96.62%								
B 249.677†	3936.3	1.007	mg/L	0.0296	1.007	mg/L	0.0296	2.94%
QC value within limits for B 249.677 Recovery = 100.65%								
Ba 233.527†	21487.5	0.9583	mg/L	0.00365	0.9583	mg/L	0.00365	0.38%
QC value within limits for Ba 233.527 Recovery = 95.83%								
Be 313.107†	210616.6	1.011	mg/L	0.0047	1.011	mg/L	0.0047	0.46%
QC value within limits for Be 313.107 Recovery = 101.10%								
Ca 315.887†	254959.4	100.6	mg/L	0.35	100.6	mg/L	0.35	0.35%
QC value within limits for Ca 315.887 Recovery = 99.65%								
Cd 214.440†	6819.4	0.9652	mg/L	0.00432	0.9652	mg/L	0.00432	0.45%
QC value within limits for Cd 214.440 Recovery = 96.52%								
Co 228.616†	4449.3	0.9036	mg/L	0.02716	0.9036	mg/L	0.02716	3.01%
QC value within limits for Co 228.616 Recovery = 90.36%								
Cr 267.716†	15327.6	0.9249	mg/L	0.00588	0.9249	mg/L	0.00588	0.64%
QC value within limits for Cr 267.716 Recovery = 92.49%								
Cu 324.752†	43526.9	0.9725	mg/L	0.00101	0.9725	mg/L	0.00101	0.10%
QC value within limits for Cu 324.752 Recovery = 97.25%								
Fe 238.204†	12146.6	1.012	mg/L	0.0015	1.012	mg/L	0.0015	0.15%
QC value within limits for Fe 238.204 Recovery = 101.19%								
Li 670.784†	86236.9	1.055	mg/L	0.0070	1.055	mg/L	0.0070	0.67%
QC value within limits for Li 670.784 Recovery = 105.52%								
Mg 279.077†	19420.3	100.5	mg/L	0.24	100.5	mg/L	0.24	0.24%
QC value within limits for Mg 279.077 Recovery = 99.54%								
Mn 257.610†	212526.2	0.9649	mg/L	0.00254	0.9649	mg/L	0.00254	0.26%
QC value within limits for Mn 257.610 Recovery = 96.49%								
Mo 202.031†	665.5	0.9675	mg/L	0.02105	0.9675	mg/L	0.02105	2.18%
QC value within limits for Mo 202.031 Recovery = 96.75%								
Ni 231.604†	1474.4	0.9006	mg/L	0.02536	0.9006	mg/L	0.02536	2.82%
QC value within limits for Ni 231.604 Recovery = 90.06%								
Pb 220.353†	401.5	0.9264	mg/L	0.02256	0.9264	mg/L	0.02256	2.43%
QC value within limits for Pb 220.353 Recovery = 92.64%								
Sb 206.836†	396.0	1.051	mg/L	0.0183	1.051	mg/L	0.0183	1.75%
QC value within limits for Sb 206.836 Recovery = 105.09%								
Se 196.026†	129.0	0.9532	mg/L	0.01108	0.9532	mg/L	0.01108	1.16%
QC value within limits for Se 196.026 Recovery = 95.32%								
Si 251.611†	24145.8	5.564	mg/L	0.0306	5.564	mg/L	0.0306	0.55%
QC value greater than the upper limit for Si 251.611 Recovery = 111.28%								
Sn 189.927†	1133.2	4.559	mg/L	0.1456	4.559	mg/L	0.1456	3.19%
QC value within limits for Sn 189.927 Recovery = 91.18%								
Sr 421.552†	748915.7	1.216	mg/L	0.0234	1.216	mg/L	0.0234	1.93%
QC value greater than the upper limit for Sr 421.552 Recovery = 121.63%								
Ti 334.940†	231010.9	0.9569	mg/L	0.00416	0.9569	mg/L	0.00416	0.43%
QC value within limits for Ti 334.940 Recovery = 95.69%								
Tl 190.801†	668.8	0.8937	mg/L	0.02909	0.8937	mg/L	0.02909	3.26%
QC value less than the lower limit for Tl 190.801 Recovery = 89.37%								
V 290.880†	32513.2	0.9862	mg/L	0.00383	0.9862	mg/L	0.00383	0.39%
QC value within limits for V 290.880 Recovery = 98.62%								
Zn 206.200†	1916.0	0.9823	mg/L	0.03122	0.9823	mg/L	0.03122	3.18%
QC value within limits for Zn 206.200 Recovery = 98.23%								
P 213.617†	347.5	6.100	mg/L	0.1644	6.100	mg/L	0.1644	2.70%
S 181.975†	-0.0	-0.0027	mg/L	0.12040	-0.0027	mg/L	0.12040	>999.9%

Na 589.592†	377784.7	105.1 mg/L	0.87	105.1 mg/L	0.87	0.83%
QC value within limits for Na 589.592 Recovery = 104.07%						
K 766.490†	164694.4	107.3 mg/L	0.65	107.3 mg/L	0.65	0.61%
QC value within limits for K 766.490 Recovery = 97.53%						
Hg 253.652†	260.3	0.0000 mg/L	0.00000	0.0000 mg/L	0.00000	0.00%

QC Failed. Continue with analysis.

ENTHALPY INSTRUMENT BLANK FOR 464405 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22242627067 File : met02_hg_060322 Time : 17-JUN-2022 16:11
Cal : 22242627001 Caldate : 17-JUN-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.01000	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	391967	396259	1.09

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Method Loaded
Method Name: MET02_Hg_060322 **Method Last Saved: 6/15/2022 4:39:48 PM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

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Sequence No.: 17 **Autosampler Location: 8**
Sample ID: CCB **Date Collected: 6/17/2022 4:11:20 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y Radial	78437.5	105.8	%	2.48				2.34%
Y Axial	396258.9	101.1	%	1.80				1.78%
Ag 328.068†	26.6	0.0005	mg/L	0.00129	0.0005	mg/L	0.00129	281.45%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-220.6	-0.0360	mg/L	0.00380	-0.0360	mg/L	0.00380	10.57%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	1.7	0.0059	mg/L	0.00296	0.0059	mg/L	0.00296	50.21%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	10.3	0.0026	mg/L	0.00035	0.0026	mg/L	0.00035	13.31%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 233.527†	1.5	0.0001	mg/L	0.00007	0.0001	mg/L	0.00007	103.04%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	63.4	0.0003	mg/L	0.00006	0.0003	mg/L	0.00006	19.24%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	-68.2	-0.0269	mg/L	0.00524	-0.0269	mg/L	0.00524	19.46%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440†	1.3	0.0002	mg/L	0.00015	0.0002	mg/L	0.00015	80.57%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	-1.2	-0.0003	mg/L	0.00020	-0.0003	mg/L	0.00020	80.21%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-1.4	-0.0001	mg/L	0.00026	-0.0001	mg/L	0.00026	306.26%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-71.5	-0.0016	mg/L	0.00060	-0.0016	mg/L	0.00060	37.58%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 238.204†	129.8	0.0108	mg/L	0.00158	0.0108	mg/L	0.00158	14.59%
QC value within limits for Fe 238.204 Recovery = Not calculated								
Li 670.784†	-70.1	-0.0009	mg/L	0.00097	-0.0009	mg/L	0.00097	113.40%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.077†	1.7	0.0089	mg/L	0.01706	0.0089	mg/L	0.01706	191.82%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	97.1	0.0004	mg/L	0.00006	0.0004	mg/L	0.00006	12.90%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	14.9	0.0217	mg/L	0.00468	0.0217	mg/L	0.00468	21.60%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604†	0.2	0.0001	mg/L	0.00113	0.0001	mg/L	0.00113	>999.9%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	1.3	0.0030	mg/L	0.00307	0.0030	mg/L	0.00307	101.69%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-3.7	-0.0098	mg/L	0.00528	-0.0098	mg/L	0.00528	53.95%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	0.6	0.0047	mg/L	0.00937	0.0047	mg/L	0.00937	197.36%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	-50.3	-0.0119	mg/L	0.00044	-0.0119	mg/L	0.00044	3.75%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	11.0	0.0444	mg/L	0.00639	0.0444	mg/L	0.00639	14.37%
Sr 421.552†	14.4	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	55.02%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	1086.1	0.0045	mg/L	0.00127	0.0045	mg/L	0.00127	28.16%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	3.8	0.0051	mg/L	0.00850	0.0051	mg/L	0.00850	168.07%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	-13.9	-0.0004	mg/L	0.00106	-0.0004	mg/L	0.00106	250.40%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	-12.0	-0.0062	mg/L	0.00032	-0.0062	mg/L	0.00032	5.21%
QC value within limits for Zn 206.200 Recovery = Not calculated								
P 213.617†	0.3	0.0053	mg/L	0.02087	0.0053	mg/L	0.02087	390.83%
S 181.975†	-1.2	-0.0657	mg/L	0.08635	-0.0657	mg/L	0.08635	131.35%
Na 589.592†	514.7	0.1432	mg/L	0.04164	0.1432	mg/L	0.04164	29.08%

QC value greater than the upper limit for Na 589.592 Recovery = Not calculated

K 766.490†	470.1	0.3062 mg/L	0.03035	0.3062 mg/L	0.03035	9.91%

QC value greater than the upper limit for K 766.490 Recovery = Not calculated

Hg 253.652†	-12.2	0.0000 mg/L	0.00000	0.0000 mg/L	0.00000	0.00%

QC Failed. Continue with analysis.

ENTHALPY CONTINUING CALIBRATION FOR 464405 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22242627078 File : met02_hg_060322 Time : 17-JUN-2022 16:55
Cal : 22242627001 Caldate : 17-JUN-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	443.81	415.00	1.000	0.9575	mg/L	-4	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	391967	357726	-8.74

==========

Method Loaded
Method Name: MET02_Hg_060322 **Method Last Saved: 6/15/2022 4:39:48 PM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

==========

Sequence No.: 28 **Autosampler Location: 7**
Sample ID: CCV, S16870 **Date Collected: 6/17/2022 4:55:16 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: CCV, S16870

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y Radial	71044.1	95.87	%	0.565				0.59%
Y Axial	357725.8	91.26	%	0.987				1.08%
Ag 328.068†	27365.2	0.4713	mg/L	0.01536	0.4713	mg/L	0.01536	3.26%
QC value within limits for Ag 328.068 Recovery = 94.26%								
Al 308.215†	6453.5	1.053	mg/L	0.0310	1.053	mg/L	0.0310	2.94%
QC value within limits for Al 308.215 Recovery = 105.32%								
As 188.979†	292.3	1.013	mg/L	0.0154	1.013	mg/L	0.0154	1.52%
QC value within limits for As 188.979 Recovery = 101.29%								
B 249.677†	3991.5	1.021	mg/L	0.0145	1.021	mg/L	0.0145	1.42%
QC value within limits for B 249.677 Recovery = 102.06%								
Ba 233.527†	21724.7	0.9689	mg/L	0.03889	0.9689	mg/L	0.03889	4.01%
QC value within limits for Ba 233.527 Recovery = 96.89%								
Be 313.107†	211747.4	1.016	mg/L	0.0091	1.016	mg/L	0.0091	0.90%
QC value within limits for Be 313.107 Recovery = 101.64%								
Ca 315.887†	257037.8	101.5	mg/L	0.86	101.5	mg/L	0.86	0.85%
QC value within limits for Ca 315.887 Recovery = 100.47%								
Cd 214.440†	6908.4	0.9778	mg/L	0.04325	0.9778	mg/L	0.04325	4.42%
QC value within limits for Cd 214.440 Recovery = 97.78%								
Co 228.616†	4574.8	0.9292	mg/L	0.01353	0.9292	mg/L	0.01353	1.46%
QC value within limits for Co 228.616 Recovery = 92.92%								
Cr 267.716†	15590.0	0.9407	mg/L	0.03346	0.9407	mg/L	0.03346	3.56%
QC value within limits for Cr 267.716 Recovery = 94.07%								
Cu 324.752†	44651.4	0.9976	mg/L	0.03270	0.9976	mg/L	0.03270	3.28%
QC value within limits for Cu 324.752 Recovery = 99.76%								
Fe 238.204†	12659.1	1.055	mg/L	0.0380	1.055	mg/L	0.0380	3.60%
QC value within limits for Fe 238.204 Recovery = 105.46%								
Li 670.784†	85797.8	1.050	mg/L	0.0101	1.050	mg/L	0.0101	0.97%
QC value within limits for Li 670.784 Recovery = 104.98%								
Mg 279.077†	19527.5	101.1	mg/L	0.92	101.1	mg/L	0.92	0.91%
QC value within limits for Mg 279.077 Recovery = 100.09%								
Mn 257.610†	219697.1	0.9975	mg/L	0.03700	0.9975	mg/L	0.03700	3.71%
QC value within limits for Mn 257.610 Recovery = 99.75%								
Mo 202.031†	681.4	0.9907	mg/L	0.01956	0.9907	mg/L	0.01956	1.97%
QC value within limits for Mo 202.031 Recovery = 99.07%								
Ni 231.604†	1518.9	0.9278	mg/L	0.01134	0.9278	mg/L	0.01134	1.22%
QC value within limits for Ni 231.604 Recovery = 92.78%								
Pb 220.353†	415.0	0.9575	mg/L	0.02075	0.9575	mg/L	0.02075	2.17%
QC value within limits for Pb 220.353 Recovery = 95.75%								
Sb 206.836†	402.9	1.069	mg/L	0.0254	1.069	mg/L	0.0254	2.37%
QC value within limits for Sb 206.836 Recovery = 106.90%								
Se 196.026†	132.5	0.9792	mg/L	0.01332	0.9792	mg/L	0.01332	1.36%
QC value within limits for Se 196.026 Recovery = 97.92%								
Si 251.611†	24484.2	5.642	mg/L	0.2127	5.642	mg/L	0.2127	3.77%
QC value greater than the upper limit for Si 251.611 Recovery = 112.84%								
Sn 189.927†	1150.9	4.630	mg/L	0.0665	4.630	mg/L	0.0665	1.44%
QC value within limits for Sn 189.927 Recovery = 92.60%								
Sr 421.552†	751236.0	1.220	mg/L	0.0143	1.220	mg/L	0.0143	1.17%
QC value greater than the upper limit for Sr 421.552 Recovery = 122.01%								
Ti 334.940†	231780.2	0.9601	mg/L	0.00747	0.9601	mg/L	0.00747	0.78%
QC value within limits for Ti 334.940 Recovery = 96.01%								
Tl 190.801†	672.0	0.8979	mg/L	0.01436	0.8979	mg/L	0.01436	1.60%
QC value less than the lower limit for Tl 190.801 Recovery = 89.79%								
V 290.880†	33022.9	1.002	mg/L	0.0345	1.002	mg/L	0.0345	3.44%
QC value within limits for V 290.880 Recovery = 100.17%								
Zn 206.200†	1985.8	1.018	mg/L	0.0163	1.018	mg/L	0.0163	1.60%
QC value within limits for Zn 206.200 Recovery = 101.81%								
P 213.617†	355.5	6.241	mg/L	0.0977	6.241	mg/L	0.0977	1.57%
S 181.975†	-0.6	-0.0361	mg/L	0.05657	-0.0361	mg/L	0.05657	156.67%

Na 589.592†	376583.2	104.8 mg/L	0.68	104.8 mg/L	0.68	0.65%
QC value within limits for Na 589.592 Recovery = 103.74%						
K 766.490†	164576.0	107.2 mg/L	1.01	107.2 mg/L	1.01	0.94%
QC value within limits for K 766.490 Recovery = 97.46%						
Hg 253.652†	249.2	0.0000 mg/L	0.00000	0.0000 mg/L	0.00000	0.00%

QC Failed. Continue with analysis.

ENTHALPY INSTRUMENT BLANK FOR 464405 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22242627079 File : met02_hg_060322 Time : 17-JUN-2022 16:59
Cal : 22242627001 Caldate : 17-JUN-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.01000	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	391967	415362	5.97

==========

Method Loaded
Method Name: MET02_Hg_060322 **Method Last Saved: 6/15/2022 4:39:48 PM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

==========

Sequence No.: 29 **Autosampler Location: 8**
Sample ID: CCB **Date Collected: 6/17/2022 4:59:17 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**
User canceled analysis.

==========

Analysis Begun

Start Time: 6/17/2022 4:59:50 PM **Plasma On Time: 6/17/2022 8:37:54 AM**
Logged In Analyst: AAICP-ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N No Serial # **Autosampler: ESI**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\06-17-22.sif
Batch ID: 06-15-22
Results Data Set: 06-17-22c
Results Library: C:\Users\Public\PerkinElmer\ICP\Data\Results\Results.mdb

==========

Sequence No.: 29 **Autosampler Location: 8**
Sample ID: CCB **Date Collected: 6/17/2022 4:59:51 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y Radial	80544.7	108.7	%	1.75				1.61%
Y Axial	415362.0	106.0	%	1.71				1.61%
Ag 328.068†	65.0	0.0011	mg/L	0.00154	0.0011	mg/L	0.00154	137.26%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-211.8	-0.0346	mg/L	0.00768	-0.0346	mg/L	0.00768	22.23%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	0.9	0.0031	mg/L	0.00755	0.0031	mg/L	0.00755	244.26%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	-13.6	-0.0035	mg/L	0.00054	-0.0035	mg/L	0.00054	15.38%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 233.527†	-0.0	-0.0000	mg/L	0.00015	-0.0000	mg/L	0.00015	>999.9%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	69.0	0.0003	mg/L	0.00002	0.0003	mg/L	0.00002	5.94%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	-66.9	-0.0264	mg/L	0.00314	-0.0264	mg/L	0.00314	11.88%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440†	1.8	0.0003	mg/L	0.00044	0.0003	mg/L	0.00044	169.14%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	0.2	0.0000	mg/L	0.00025	0.0000	mg/L	0.00025	563.18%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	2.1	0.0001	mg/L	0.00025	0.0001	mg/L	0.00025	203.85%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-80.8	-0.0018	mg/L	0.00033	-0.0018	mg/L	0.00033	18.01%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 238.204†	190.7	0.0159	mg/L	0.00085	0.0159	mg/L	0.00085	5.33%
QC value within limits for Fe 238.204 Recovery = Not calculated								
Li 670.784†	-159.6	-0.0020	mg/L	0.00034	-0.0020	mg/L	0.00034	17.46%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.077†	1.4	0.0073	mg/L	0.01111	0.0073	mg/L	0.01111	151.69%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	88.9	0.0004	mg/L	0.00002	0.0004	mg/L	0.00002	3.78%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	10.5	0.0153	mg/L	0.00158	0.0153	mg/L	0.00158	10.33%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604†	0.3	0.0002	mg/L	0.00121	0.0002	mg/L	0.00121	756.24%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	1.2	0.0027	mg/L	0.00205	0.0027	mg/L	0.00205	75.07%

```
   QC value within limits for Pb 220.353  Recovery = Not calculated
Sb 206.836†              -2.2     -0.0059 mg/L       0.00516     -0.0059 mg/L       0.00516  87.25%
   QC value within limits for Sb 206.836  Recovery = Not calculated
Se 196.026†               0.2      0.0014 mg/L       0.00464      0.0014 mg/L       0.00464 343.83%
   QC value within limits for Se 196.026  Recovery = Not calculated
Si 251.611†             -53.3     -0.0125 mg/L       0.00038     -0.0125 mg/L       0.00038   3.01%
   QC value within limits for Si 251.611  Recovery = Not calculated
Sn 189.927†              10.5      0.0424 mg/L       0.00469      0.0424 mg/L       0.00469  11.05%
Sr 421.552†             -14.3     -0.0000 mg/L       0.00008     -0.0000 mg/L       0.00008 357.40%
   QC value within limits for Sr 421.552  Recovery = Not calculated
Ti 334.940†             781.2      0.0032 mg/L       0.00064      0.0032 mg/L       0.00064  19.77%
   QC value within limits for Ti 334.940  Recovery = Not calculated
Tl 190.801†              2.8       0.0037 mg/L       0.00434      0.0037 mg/L       0.00434 117.70%
   QC value within limits for Tl 190.801  Recovery = Not calculated
V 290.880†              -48.8     -0.0015 mg/L       0.00053     -0.0015 mg/L       0.00053  36.16%
   QC value within limits for V 290.880  Recovery = Not calculated
Zn 206.200†             -12.0     -0.0061 mg/L       0.00046     -0.0061 mg/L       0.00046   7.49%
   QC value within limits for Zn 206.200  Recovery = Not calculated
P 213.617†               -0.2     -0.0036 mg/L       0.01721     -0.0036 mg/L       0.01721 478.48%
S 181.975†                0.2      0.0098 mg/L       0.03108      0.0098 mg/L       0.03108 318.67%
Na 589.592†             307.5      0.0856 mg/L       0.02384      0.0856 mg/L       0.02384  27.87%
   QC value within limits for Na 589.592  Recovery = Not calculated
K 766.490†              350.3      0.2282 mg/L       0.06380      0.2282 mg/L       0.06380  27.96%
   QC value greater than the upper limit for K 766.490  Recovery = Not calculated
Hg 253.652†             -19.4      0.0000 mg/L       0.00000      0.0000 mg/L       0.00000   0.00%
QC Failed.  Continue with analysis.
```

ENTHALPY CONTINUING CALIBRATION FOR 464405 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22242627083 File : met02_hg_060322 Time : 17-JUN-2022 17:15
Cal : 22242627001 Caldate : 17-JUN-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	443.81	407.30	1.000	0.9399	mg/L	-6	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	391967	376148	-4.04

==========

Method Loaded
Method Name: MET02_Hg_060322 **Method Last Saved: 6/15/2022 4:39:48 PM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC
User canceled analysis.

==========

Analysis Begun

Start Time: 6/17/2022 5:15:47 PM **Plasma On Time: 6/17/2022 8:37:54 AM**
Logged In Analyst: AAICP-ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N No Serial # **Autosampler: ESI**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\06-17-22.sif
Batch ID: 06-15-22
Results Data Set: 06-17-22c
Results Library: C:\Users\Public\PerkinElmer\ICP\Data\Results\Results.mdb

==========

Sequence No.: 32 **Autosampler Location: 7**
Sample ID: CCV, S16870 **Date Collected: 6/17/2022 5:15:49 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: CCV, S16870

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y Radial	72493.8	97.83	%	0.996				1.02%
Y Axial	376148.1	95.96	%	1.422				1.48%
Ag 328.068†	26872.4	0.4628	mg/L	0.01304	0.4628	mg/L	0.01304	2.82%
QC value within limits for Ag 328.068 Recovery = 92.56%								
Al 308.215†	6412.3	1.047	mg/L	0.0315	1.047	mg/L	0.0315	3.01%
QC value within limits for Al 308.215 Recovery = 104.65%								
As 188.979†	290.2	1.005	mg/L	0.0257	1.005	mg/L	0.0257	2.56%
QC value within limits for As 188.979 Recovery = 100.55%								
B 249.677†	3978.2	1.017	mg/L	0.0169	1.017	mg/L	0.0169	1.66%
QC value within limits for B 249.677 Recovery = 101.73%								
Ba 233.527†	21665.8	0.9663	mg/L	0.03294	0.9663	mg/L	0.03294	3.41%
QC value within limits for Ba 233.527 Recovery = 96.63%								
Be 313.107†	211554.7	1.015	mg/L	0.0096	1.015	mg/L	0.0096	0.95%
QC value within limits for Be 313.107 Recovery = 101.55%								
Ca 315.887†	257724.6	101.7	mg/L	0.57	101.7	mg/L	0.57	0.56%
QC value within limits for Ca 315.887 Recovery = 100.73%								
Cd 214.440†	6964.0	0.9857	mg/L	0.03635	0.9857	mg/L	0.03635	3.69%
QC value within limits for Cd 214.440 Recovery = 98.57%								
Co 228.616†	4507.8	0.9155	mg/L	0.01464	0.9155	mg/L	0.01464	1.60%
QC value within limits for Co 228.616 Recovery = 91.55%								
Cr 267.716†	15468.7	0.9334	mg/L	0.03120	0.9334	mg/L	0.03120	3.34%
QC value within limits for Cr 267.716 Recovery = 93.34%								
Cu 324.752†	44272.4	0.9892	mg/L	0.03059	0.9892	mg/L	0.03059	3.09%
QC value within limits for Cu 324.752 Recovery = 98.92%								
Fe 238.204†	12453.2	1.037	mg/L	0.0404	1.037	mg/L	0.0404	3.90%
QC value within limits for Fe 238.204 Recovery = 103.75%								
Li 670.784†	85406.9	1.045	mg/L	0.0054	1.045	mg/L	0.0054	0.52%
QC value within limits for Li 670.784 Recovery = 104.51%								
Mg 279.077†	19651.2	101.7	mg/L	0.32	101.7	mg/L	0.32	0.32%
QC value within limits for Mg 279.077 Recovery = 100.72%								
Mn 257.610†	218445.1	0.9918	mg/L	0.03305	0.9918	mg/L	0.03305	3.33%
QC value within limits for Mn 257.610 Recovery = 99.18%								
Mo 202.031†	692.3	1.007	mg/L	0.0192	1.007	mg/L	0.0192	1.91%
QC value within limits for Mo 202.031 Recovery = 100.66%								
Ni 231.604†	1498.0	0.9150	mg/L	0.01269	0.9150	mg/L	0.01269	1.39%
QC value within limits for Ni 231.604 Recovery = 91.50%								
Pb 220.353†	407.3	0.9399	mg/L	0.02198	0.9399	mg/L	0.02198	2.34%
QC value within limits for Pb 220.353 Recovery = 93.99%								
Sb 206.836†	400.6	1.063	mg/L	0.0206	1.063	mg/L	0.0206	1.94%
QC value within limits for Sb 206.836 Recovery = 106.29%								
Se 196.026†	130.6	0.9653	mg/L	0.02113	0.9653	mg/L	0.02113	2.19%
QC value within limits for Se 196.026 Recovery = 96.53%								
Si 251.611†	24275.7	5.594	mg/L	0.2086	5.594	mg/L	0.2086	3.73%
QC value greater than the upper limit for Si 251.611 Recovery = 111.87%								
Sn 189.927†	1163.5	4.681	mg/L	0.0652	4.681	mg/L	0.0652	1.39%

```
   QC value within limits for Sn 189.927  Recovery = 93.61%
Sr 421.552†          755374.5       1.227 mg/L        0.0198       1.227 mg/L        0.0198   1.61%
   QC value greater than the upper limit for Sr 421.552  Recovery = 122.68%
Ti 334.940†          231124.5      0.9573 mg/L       0.00638      0.9573 mg/L       0.00638   0.67%
   QC value within limits for Ti 334.940  Recovery = 95.73%
Tl 190.801†             673.5      0.8999 mg/L       0.00647      0.8999 mg/L       0.00647   0.72%
   QC value less than the lower limit for Tl 190.801  Recovery = 89.99%
V 290.880†            32727.1      0.9927 mg/L       0.03284      0.9927 mg/L       0.03284   3.31%
   QC value within limits for V 290.880  Recovery = 99.27%
Zn 206.200†           1973.3       1.012 mg/L        0.0200       1.012 mg/L        0.0200   1.97%
   QC value within limits for Zn 206.200  Recovery = 101.17%
P 213.617†             348.0       6.109 mg/L        0.1553       6.109 mg/L        0.1553   2.54%
S 181.975†              -2.7     -0.1506 mg/L       0.20835     -0.1506 mg/L       0.20835 138.34%
Na 589.592†          376158.4       104.7 mg/L          0.14       104.7 mg/L          0.14   0.14%
   QC value within limits for Na 589.592  Recovery = 103.62%
K 766.490†           164412.8       107.1 mg/L          0.53       107.1 mg/L          0.53   0.50%
   QC value within limits for K 766.490  Recovery = 97.36%
Hg 253.652†            246.3      0.0000 mg/L       0.00000      0.0000 mg/L       0.00000   0.00%
QC Failed.  Continue with analysis.
```

ENTHALPY INSTRUMENT BLANK FOR 464405 METALS Wipe
EPA 6010B

Inst : MET02 IDF : 1.0
Seqnum : 22242627084 File : met02_hg_060322 Time : 17-JUN-2022 17:19
Cal : 22242627001 Caldate : 17-JUN-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.01000	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	391967	404983	3.32

==========

Method Loaded
Method Name: MET02_Hg_060322 **Method Last Saved: 6/15/2022 4:39:48 PM**
IEC File: 061820_HR_IEC.iec **MSF File: 06-18-20.msf**
Method Description: High resolution with IEC

==========

Sequence No.: 33 **Autosampler Location: 8**
Sample ID: CCB **Date Collected: 6/17/2022 5:19:50 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 20 **Auto Dilution Factor: 1**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y Radial	78712.9	106.2	%	3.63				3.42%
Y Axial	404983.0	103.3	%	4.08				3.95%
Ag 328.068†	-8.0	-0.0001	mg/L	0.00039	-0.0001	mg/L	0.00039	289.10%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-185.7	-0.0303	mg/L	0.00345	-0.0303	mg/L	0.00345	11.37%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	0.9	0.0030	mg/L	0.00514	0.0030	mg/L	0.00514	170.17%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	-3.5	-0.0009	mg/L	0.00080	-0.0009	mg/L	0.00080	90.38%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 233.527†	5.8	0.0003	mg/L	0.00004	0.0003	mg/L	0.00004	13.68%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	83.3	0.0004	mg/L	0.00014	0.0004	mg/L	0.00014	35.66%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	-38.0	-0.0150	mg/L	0.00239	-0.0150	mg/L	0.00239	15.95%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.440†	1.7	0.0002	mg/L	0.00021	0.0002	mg/L	0.00021	88.04%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	-0.6	-0.0001	mg/L	0.00006	-0.0001	mg/L	0.00006	45.67%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-0.6	-0.0000	mg/L	0.00038	-0.0000	mg/L	0.00038	>999.9%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-61.4	-0.0014	mg/L	0.00045	-0.0014	mg/L	0.00045	32.91%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 238.204†	198.3	0.0165	mg/L	0.00243	0.0165	mg/L	0.00243	14.73%
QC value within limits for Fe 238.204 Recovery = Not calculated								
Li 670.784†	10.2	0.0001	mg/L	0.00006	0.0001	mg/L	0.00006	45.11%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.077†	3.2	0.0164	mg/L	0.00612	0.0164	mg/L	0.00612	37.35%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	108.5	0.0005	mg/L	0.00004	0.0005	mg/L	0.00004	7.95%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	15.5	0.0226	mg/L	0.00323	0.0226	mg/L	0.00323	14.30%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604†	0.1	0.0001	mg/L	0.00040	0.0001	mg/L	0.00040	543.75%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	1.0	0.0022	mg/L	0.00457	0.0022	mg/L	0.00457	205.86%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-3.0	-0.0081	mg/L	0.00149	-0.0081	mg/L	0.00149	18.38%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	1.0	0.0076	mg/L	0.01072	0.0076	mg/L	0.01072	140.33%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	-42.7	-0.0101	mg/L	0.00062	-0.0101	mg/L	0.00062	6.14%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	17.7	0.0711	mg/L	0.00504	0.0711	mg/L	0.00504	7.09%
Sr 421.552†	72.4	0.0001	mg/L	0.00008	0.0001	mg/L	0.00008	68.46%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	970.6	0.0040	mg/L	0.00107	0.0040	mg/L	0.00107	26.69%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	8.7	0.0115	mg/L	0.00495	0.0115	mg/L	0.00495	42.86%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	-33.1	-0.0010	mg/L	0.00101	-0.0010	mg/L	0.00101	100.71%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	-10.8	-0.0055	mg/L	0.00024	-0.0055	mg/L	0.00024	4.32%
QC value within limits for Zn 206.200 Recovery = Not calculated								
P 213.617†	-0.9	-0.0152	mg/L	0.00956	-0.0152	mg/L	0.00956	63.08%
S 181.975†	-1.1	-0.0610	mg/L	0.07034	-0.0610	mg/L	0.07034	115.24%
Na 589.592†	583.0	0.1622	mg/L	0.03359	0.1622	mg/L	0.03359	20.71%

QC value greater than the upper limit for Na 589.592 Recovery = Not calculated

K 766.490†	700.4	0.4563 mg/L	0.06938	0.4563 mg/L	0.06938	15.21%

QC value greater than the upper limit for K 766.490 Recovery = Not calculated

Hg 253.652†	-10.5	0.0000 mg/L	0.00000	0.0000 mg/L	0.00000	0.00%

QC Failed. Continue with analysis.

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number:	465031
Report Level:	IV
Report Date:	01/21/2023

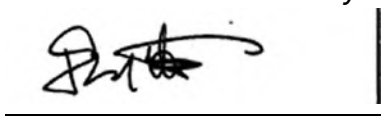
PCBs

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	465031
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	06/29/22

Sample ID	Lab ID	Collected	Matrix
DOOR-N-0.3GW-DG-11 TO 25-220628-P-LA	465031-001	06/28/22 14:34	Wipe
DOOR-N-0.7GW-DG-11 TO 25-220628-P-LA	465031-003	06/28/22 14:20	Wipe
DOOR-N-0.5GE-INT-25 TO 26-220628-P-CB	465031-005	06/28/22 14:01	Wipe

Case Narrative

PCBS (EPA 8082)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 465031 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 06/29/22

This data package contains sample and QC results for three wipe samples, requested for the above referenced project on 06/29/22. See attached cooler receipt form for any sample receipt problems or discrepancies. Reissued on 1/21/23 to revise the PCB extraction method.

PCBs (EPA 8082):

- Low recovery was observed for Aroclor-1016 in the BSD for batch 292307; the low recovery was confirmed by re-analysis. High RPD was also observed for Aroclor-1016 in the BS/BSD for batch 292307; the high RPD was confirmed by re-analysis, and this analyte was not detected at or above the RL in the associated samples.
- Low surrogate recoveries were observed for decachlorobiphenyl (PCB) in DOOR-N-0.3GW-DG-11 TO 25-220628-P-LA (lab # 465031-001), DOOR-N-0.5GE-INT-25 TO 26-220628-P-CB (lab # 465031-005), and the method blank/BS/BSD for batch 292307.
- Low surrogate recovery was observed for TCMX (PCB) in the BSD for batch 292307; the low surrogate recovery was confirmed by re-analysis.
- No other analytical problems were encountered.

Chain of Custody

46 465031

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim and T. Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B								HOLD	Test Instructions / Comments
31	DOOR-N-0.3GW-DG-11 TO 25-220628-P-LA	6/28/2022	1434	WP	1		X										
32	DOOR-N-0.3GW-DG-11 TO 25-220628-L-LA	6/28/2022	1434	WP	1			X									Total sample area: 1.0276 ft^2
33	DOOR-N-0.7GW-DG-11 TO 25-220628-P-LA	6/28/2022	1420	WP	1		X										
34	DOOR-N-0.7GW-DG-11 TO 25-220628-L-LA	6/28/2022	1420	WP	1			X									Total sample area: 1.0276 ft^2
35	DOOR-N-0.5GE-INT-25 TO 26-220628-P-CB	6/28/2022	1401	WP	1		X										
36	DOOR-N-0.5GE-INT-25 TO 26-220628-L-CB	6/28/2022	1401	WP	1			X									
37																	
38																	
39																	
40																	
41																	
42																	
43																	
44																	
45																	

Analysis Request

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm^2 basis

Report lead concentrations on a µg/ft^2 basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Report requires Stage 3 Data Validation

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Tyler Sinnott	Rincon / Envi. Scientist	6/29/22 11:44
[1] Received By:		Audrey Hudson	Enthalpy	6/29/22 11:44
[2] Relinquished By:		Audrey Hudson	"	6/29/22 15:45
[2] Received By:				6/29/22 15:45
[3] Relinquished By:				6/29/22 17:25
[3] Received By:		FedEx		6/30/22 0820

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon

Project: Hangar 1 NTCRA

Date Received: 6/30/2022

Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 4.0 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: Greyhound

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 2.2 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Yanita Date: 6/30/2022

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 46J031 Client: Ramcon

Date Received: 6/24/22 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☑ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 6/29/22 By (print) MM (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☐ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: 5.4, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			—
Did you change the hold time in LIMS for preserved terracores?			—
Are bubbles > 6mm present in VOA samples?			—
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 6/29/22 **By (print)** MM **(sign)** _____

Date Labeled 6/29/22 **By (print)** MM **(sign)** _____

2.2 /4.0

Results & QC Summary

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 465031 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.3GW-DG-11 TO 25-220628-P-LA **Batch#:** 292307 **Prep:** EPA 3572M
Type: SAMPLE **Sampled:** 06/28/22 **Analysis:** EPA 8082
Lab ID: 465031-001 **Received:** 06/29/22 **Analyst:** TRN
Matrix: Wipe **Prepared:** 07/05/22
Dil Fac: 1.000 **Analyzed:** 07/07/22

465031-001 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465031-001 Surrogate	%REC	Limits
TCMX (PCB)	52	52-186
Decachlorobiphenyl (PCB)	48 *	50-150

Field ID: DOOR-N-0.7GW-DG-11 TO 25-220628-P-LA **Batch#:** 292307 **Prep:** EPA 3572M
Type: SAMPLE **Sampled:** 06/28/22 **Analysis:** EPA 8082
Lab ID: 465031-003 **Received:** 06/29/22 **Analyst:** TRN
Matrix: Wipe **Prepared:** 07/05/22
Dil Fac: 1.000 **Analyzed:** 07/07/22

465031-003 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465031-003 Surrogate	%REC	Limits
TCMX (PCB)	66	52-186
Decachlorobiphenyl (PCB)	65	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 465031 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.5GE-INT-25 TO 26-220628-P-CB **Batch#:** 292307 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 06/28/22 **Analysis:** EPA 8082

Lab ID: 465031-005 **Received:** 06/29/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/05/22

DiIn Fac: 1.000 **Analyzed:** 07/07/22

465031-005 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465031-005 Surrogate	%REC	Limits
TCMX (PCB)	53	52-186
Decachlorobiphenyl (PCB)	47 *	50-150

Type: BLANK **Batch#:** 292307 **Analysis:** EPA 8082

Lab ID: QC998414 **Prepared:** 07/05/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/07/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC998414 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC998414 Surrogate	%REC	Limits
TCMX (PCB)	53	52-186
Decachlorobiphenyl (PCB)	53 *	60-140

Legend

*: Value is outside QC limits

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 465031 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 292307 **Analysis:** EPA 8082

Lab ID: QC998415 **Prepared:** 07/05/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/08/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC998415 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	3.818	76	60-140	ug/100 cm2
Aroclor-1260	5.000	3.714	74	60-140	ug/100 cm2

QC998415 Surrogate	%REC	Limits
TCMX (PCB)	52	52-186
Decachlorobiphenyl (PCB)	58 *	60-140

Type: BSD **Batch#:** 292307 **Analysis:** EPA 8082

Lab ID: QC998416 **Prepared:** 07/05/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/08/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC998416 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	2.862	57 *	60-140	ug/100 cm2	29 *	20
Aroclor-1260	5.000	3.359	67	60-140	ug/100 cm2	10	20

QC998416 Surrogate	%REC	Limits
TCMX (PCB)	50 *	52-186
Decachlorobiphenyl (PCB)	54 *	60-140

Legend

*: Value is outside QC limits

RPD: Relative Percent Difference

ENTHALPY INITIAL CALIBRATION FOR 465031 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_062422_1
Calibration #:	462252739001	Date:	25-JUN-2022 00:39
		X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc07_062422022	462252739022		25-JUN-2022 00:39	S16671 (100X), S16725 (250X)
L2	gc07_062422023	462252739023		25-JUN-2022 00:57	S16671 (40X), S16725 (250X)
L3	gc07_062422024	462252739024		25-JUN-2022 01:14	S16671 (20X), S16725 (250X)
L4	gc07_062422025	462252739025		25-JUN-2022 01:32	S16671 (8X), S16725 (250X)
L5	gc07_062422026	462252739026		25-JUN-2022 01:49	S16671 (4X), S16725 (250X)
L6	gc07_062422027	462252739027		25-JUN-2022 02:07	S16671 (2.66X), S16725 (250X)
L7	gc07_062422028	462252739028		25-JUN-2022 02:24	S16671 (2X), S16725 (250X)
L8	gc07_062422029	462252739029		25-JUN-2022 02:42	S16671 (1.33X), S16725 (250X)
L9	gc07_062422030	462252739030		25-JUN-2022 02:59	S16671, S16725 (250X)

Analyte	Ch	Type	a0	a1	a2	Units	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		52.1446		ug/L	0.0192	12	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		24.0592		ug/L	0.0416	14	9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		20.7771		ug/L	0.0481	12	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		28.8928		ug/L	0.0346	11	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		34.6865		ug/L	0.0288	11	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		16.4257		ug/L	0.0609	12	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		11.4424		ug/L	0.0874	10	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		11.2915		ug/L	0.0886	7	9	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		22.0875		ug/L	0.0453	10	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		24.0599		ug/L	0.0416	7	9	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.89555		pg/uL	1.1166	9	9	.99	20	
TCMX (PCB)	A	AVRG		1.06067		pg/uL	0.9428	8	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		49.6768		ug/L	0.0201	7	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		22.8132		ug/L	0.0438	9	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		19.8883		ug/L	0.0503	9	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		28.6560		ug/L	0.0349	6	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		34.3044		ug/L	0.0292	7	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		15.7963		ug/L	0.0633	8	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		14.2181		ug/L	0.0703	6	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		11.5518		ug/L	0.0866	3	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		20.5890		ug/L	0.0486	5	9	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		14.3273		ug/L	0.0698	4	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.81243		pg/uL	1.2309	10	9	.99	20	
TCMX (PCB)	B	AVRG		1.10236		pg/uL	0.9071	4	9	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

ENTHALPY INITIAL CALIBRATION FOR 465031 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_062422_1
Calibration #:	462252739001	Date:	25-JUN-2022 00:39
		X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0234	0.0215	0.0200	0.0192	0.0192	0.0180	0.0176	0.0174	0.0163
Aroclor-1016 Peak # 2	A	0.0506	0.0484	0.0464	0.0430	0.0395	0.0384	0.0372	0.0366	0.0339
Aroclor-1016 Peak # 3	A	0.0594	0.0542	0.0518	0.0468	0.0454	0.0453	0.0443	0.0447	0.0413
Aroclor-1016 Peak # 4	A	0.0413	0.0385	0.0369	0.0348	0.0332	0.0331	0.0323	0.0317	0.0297
Aroclor-1016 Peak # 5	A	0.0337	0.0322	0.0318	0.0293	0.0277	0.0275	0.0267	0.0261	0.0245
Aroclor-1260 Peak # 1	A	0.0727	0.0690	0.0664	0.0613	0.0580	0.0617	0.0550	0.0540	0.0499
Aroclor-1260 Peak # 2	A	0.1010	0.0978	0.0943	0.0864	0.0838	0.0853	0.0816	0.0810	0.0754
Aroclor-1260 Peak # 3	A	0.0987	0.0952	0.0933	0.0862	0.0848	0.0876	0.0843	0.0855	0.0813
Aroclor-1260 Peak # 4	A	0.0539	0.0502	0.0485	0.0445	0.0431	0.0439	0.0418	0.0418	0.0398
Aroclor-1260 Peak # 5	A	0.0379	0.0402	0.0409	0.0376	0.0404	0.0447	0.0428	0.0450	0.0446
Decachlorobiphenyl (PCB)	A	1.3136	1.2521	1.1395	1.0914	1.0462	1.0936	1.0474	1.0457	1.0202
TCMX (PCB)	A	1.0556	1.0443	1.0018	0.9534	0.8960	0.8931	0.8839	0.9007	0.8564
Aroclor-1016 Peak # 1	B	0.0237	0.0206	0.0205	0.0201	0.0194	0.0196	0.0193	0.0195	0.0184
Aroclor-1016 Peak # 2	B	0.0520	0.0470	0.0451	0.0431	0.0429	0.0424	0.0413	0.0416	0.0391
Aroclor-1016 Peak # 3	B	0.0609	0.0528	0.0500	0.0478	0.0483	0.0487	0.0479	0.0490	0.0470
Aroclor-1016 Peak # 4	B	0.0385	0.0379	0.0349	0.0334	0.0336	0.0344	0.0340	0.0346	0.0328
Aroclor-1016 Peak # 5	B	0.0329	0.0318	0.0294	0.0281	0.0280	0.0286	0.0281	0.0285	0.0271
Aroclor-1260 Peak # 1	B	0.0741	0.0656	0.0651	0.0617	0.0619	0.0631	0.0605	0.0606	0.0572
Aroclor-1260 Peak # 2	B	0.0777	0.0735	0.0724	0.0698	0.0688	0.0709	0.0674	0.0682	0.0642
Aroclor-1260 Peak # 3	B	0.0823	0.0865	0.0833	0.0845	0.0876	0.0917	0.0876	0.0898	0.0859
Aroclor-1260 Peak # 4	B	0.0506	0.0519	0.0474	0.0468	0.0460	0.0516	0.0476	0.0489	0.0462
Aroclor-1260 Peak # 5	B	0.0736	0.0727	0.0678	0.0662	0.0681	0.0716	0.0685	0.0706	0.0691
Decachlorobiphenyl (PCB)	B	1.4473	1.4291	1.1927	1.1850	1.1442	1.2016	1.1565	1.1753	1.1462
TCMX (PCB)	B	0.9875	0.8886	0.8748	0.8877	0.8943	0.8998	0.8927	0.9329	0.9059

ENTHALPY INITIAL CALIBRATION FOR 465031 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_062422_1
Calibration #:	462252739001	Date:	25-JUN-2022 00:39
		X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	**22**	50.000	12	100.00	4	250.00	0	500.00	0	751.88	-6	1000.0	-8	1503.8	-9
Aroclor-1016 Peak # 2	A	20.000	**22**	50.000	16	100.00	12	250.00	3	500.00	-5	751.88	-8	1000.0	-10	1503.8	-12
Aroclor-1016 Peak # 3	A	20.000	**23**	50.000	13	100.00	8	250.00	-3	500.00	-6	751.88	-6	1000.0	-8	1503.8	-7
Aroclor-1016 Peak # 4	A	20.000	19	50.000	11	100.00	7	250.00	1	500.00	-4	751.88	-4	1000.0	-7	1503.8	-8
Aroclor-1016 Peak # 5	A	20.000	17	50.000	12	100.00	10	250.00	2	500.00	-4	751.88	-5	1000.0	-7	1503.8	-10
Aroclor-1260 Peak # 1	A	20.000	19	50.000	13	100.00	9	250.00	1	500.00	-5	751.88	1	1000.0	-10	1503.8	-11
Aroclor-1260 Peak # 2	A	20.000	16	50.000	12	100.00	8	250.00	-1	500.00	-4	751.88	-2	1000.0	-7	1503.8	-7
Aroclor-1260 Peak # 3	A	20.000	11	50.000	8	100.00	5	250.00	-3	500.00	-4	751.88	-1	1000.0	-5	1503.8	-3
Aroclor-1260 Peak # 4	A	20.000	19	50.000	11	100.00	7	250.00	-2	500.00	-5	751.88	-3	1000.0	-8	1503.8	-8
Aroclor-1260 Peak # 5	A	20.000	-9	50.000	-3	100.00	-2	250.00	-9	500.00	-3	751.88	8	1000.0	3	1503.8	8
Decachlorobiphenyl (PCB)	A	0.8000	18	2.0000	12	4.0000	2	10.000	-2	20.000	-6	30.075	-2	40.000	-6	60.150	-6
TCMX (PCB)	A	0.8000	12	2.0000	11	4.0000	6	10.000	1	20.000	-5	30.075	-5	40.000	-6	60.150	-4
Aroclor-1016 Peak # 1	B	20.000	18	50.000	2	100.00	2	250.00	0	500.00	-3	751.88	-3	1000.0	-4	1503.8	-3
Aroclor-1016 Peak # 2	B	20.000	19	50.000	7	100.00	3	250.00	-2	500.00	-2	751.88	-3	1000.0	-6	1503.8	-5
Aroclor-1016 Peak # 3	B	20.000	**21**	50.000	5	100.00	-1	250.00	-5	500.00	-4	751.88	-3	1000.0	-5	1503.8	-2
Aroclor-1016 Peak # 4	B	20.000	10	50.000	9	100.00	0	250.00	-4	500.00	-4	751.88	-1	1000.0	-2	1503.8	-1
Aroclor-1016 Peak # 5	B	20.000	13	50.000	9	100.00	1	250.00	-4	500.00	-4	751.88	-2	1000.0	-4	1503.8	-2
Aroclor-1260 Peak # 1	B	20.000	17	50.000	4	100.00	3	250.00	-3	500.00	-2	751.88	0	1000.0	-4	1503.8	-4
Aroclor-1260 Peak # 2	B	20.000	10	50.000	5	100.00	3	250.00	-1	500.00	-2	751.88	1	1000.0	-4	1503.8	-3
Aroclor-1260 Peak # 3	B	20.000	-5	50.000	0	100.00	-4	250.00	-2	500.00	1	751.88	6	1000.0	1	1503.8	4
Aroclor-1260 Peak # 4	B	20.000	4	50.000	7	100.00	-2	250.00	-4	500.00	-5	751.88	6	1000.0	-2	1503.8	1
Aroclor-1260 Peak # 5	B	20.000	5	50.000	4	100.00	-3	250.00	-5	500.00	-2	751.88	3	1000.0	-2	1503.8	1
Decachlorobiphenyl (PCB)	B	0.8000	18	2.0000	16	4.0000	-3	10.000	-4	20.000	-7	30.075	-2	40.000	-6	60.150	-5
TCMX (PCB)	B	0.8000	9	2.0000	-2	4.0000	-4	10.000	-2	20.000	-1	30.075	-1	40.000	-2	60.150	3

ENTHALPY INITIAL CALIBRATION FOR 465031 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_062422_1
Calibration #:	462252739001	Date:	25-JUN-2022 00:39
		X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-15
Aroclor-1016 Peak # 2	A	2000.0	-18
Aroclor-1016 Peak # 3	A	2000.0	-14
Aroclor-1016 Peak # 4	A	2000.0	-14
Aroclor-1016 Peak # 5	A	2000.0	-15
Aroclor-1260 Peak # 1	A	2000.0	-18
Aroclor-1260 Peak # 2	A	2000.0	-14
Aroclor-1260 Peak # 3	A	2000.0	-8
Aroclor-1260 Peak # 4	A	2000.0	-12
Aroclor-1260 Peak # 5	A	2000.0	7
Decachlorobiphenyl (PCB)	A	80.000	-9
TCMX (PCB)	A	80.000	-9
Aroclor-1016 Peak # 1	B	2000.0	-8
Aroclor-1016 Peak # 2	B	2000.0	-11
Aroclor-1016 Peak # 3	B	2000.0	-6
Aroclor-1016 Peak # 4	B	2000.0	-6
Aroclor-1016 Peak # 5	B	2000.0	-7
Aroclor-1260 Peak # 1	B	2000.0	-10
Aroclor-1260 Peak # 2	B	2000.0	-9
Aroclor-1260 Peak # 3	B	2000.0	-1
Aroclor-1260 Peak # 4	B	2000.0	-5
Aroclor-1260 Peak # 5	B	2000.0	-1
Decachlorobiphenyl (PCB)	B	80.000	-7
TCMX (PCB)	B	80.000	0

TRN 06/25/22 : Manually integrated for coeluting peak and automatic draw baseline on both/one channel and on multiple levels

Analyst: TRN 06/25/22

Reviewer: LW 06/27/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 465031 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07	Name:	PCB_062422_1
Calnum:	462252739001	Cal Date:	25-JUN-2022

- ICV 462252739032 (gc07_062422032 25-JUN-2022) stds: S16736

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	518.1	ug/L	4	15	
Aroclor-1260	A	500.0	539.6	ug/L	8	15	
Aroclor-1016	B	500.0	525.9	ug/L	5	15	
Aroclor-1260	B	500.0	563.1	ug/L	13	15	

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Analyst: TRN 06/25/22 **Reviewer:** LW 06/27/22

ENTHALPY INITIAL CALIBRATION FOR 465031 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_070822_1268_1
Calibration #:	462271307001	Date:	07-JUL-2022 15:50
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc07_070722016	462271307016		07-JUL-2022 15:50	S16847

Analyte	Ch	L1 RF	Type	a0	a1	a2	Avg RF	%RSD	Min r^2	Max %RSD	Flags
Aroclor-1268 Peak # 1	A	0.0227	AVRG		44.0027		0.0227	0	.99	20	
Aroclor-1268 Peak # 2	A	0.0289	AVRG		34.5752		0.0289	0	.99	20	
Aroclor-1268 Peak # 3	A	0.1072	AVRG		9.33237		0.1072	0	.99	20	
Aroclor-1268 Peak # 4	A	0.0855	AVRG		11.6952		0.0855	0	.99	20	
Aroclor-1268 Peak # 5	A	0.2799	AVRG		3.57318		0.2799	0	.99	20	
Aroclor-1268 Peak # 1	B	0.0229	AVRG		43.7590		0.0229	0	.99	20	
Aroclor-1268 Peak # 2	B	0.0298	AVRG		33.5258		0.0298	0	.99	20	
Aroclor-1268 Peak # 3	B	0.1150	AVRG		8.69760		0.1150	0	.99	20	
Aroclor-1268 Peak # 4	B	0.0944	AVRG		10.5968		0.0944	0	.99	20	
Aroclor-1268 Peak # 5	B	0.3097	AVRG		3.22864		0.3097	0	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

Spiked Amounts / Drifts	Ch	L1	%D
Aroclor-1268 Peak # 1	A	2000.0	0
Aroclor-1268 Peak # 2	A	2000.0	0
Aroclor-1268 Peak # 3	A	2000.0	0
Aroclor-1268 Peak # 4	A	2000.0	0
Aroclor-1268 Peak # 5	A	2000.0	0
Aroclor-1268 Peak # 1	B	2000.0	0
Aroclor-1268 Peak # 2	B	2000.0	0
Aroclor-1268 Peak # 3	B	2000.0	0
Aroclor-1268 Peak # 4	B	2000.0	0
Aroclor-1268 Peak # 5	B	2000.0	0

Analyst: TRN 07/09/22

Reviewer: LW 07/11/22

ENTHALPY CONTINUING CALIBRATION FOR 465031 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07			IDF:	1.0
Seqnum:	462271307011	File:	gc07_070722011	Time:	07-JUL-2022 14:28
Cal:	462252739001	Caldate:	25-JUN-2022		

Standards: S17006

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	469.5	ug/L	-6	15	0.0000	
Aroclor-1260	A			500.0	498.7	ug/L	0	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.1166	0.9660	20.00	17.30	pg/uL	-13	15	0.0000	
TCMX (PCB)	A	0.9428	0.8604	20.00	18.25	pg/uL	-9	15	0.0000	
Aroclor-1016	B			500.0	483.8	ug/L	-3	15	0.0000	
Aroclor-1260	B			500.0	489.8	ug/L	-2	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2309	1.0829	20.00	17.60	pg/uL	-12	15	0.0000	
TCMX (PCB)	B	0.9071	0.8428	20.00	18.58	pg/uL	-7	15	0.0000	

ISTD (ICAL gc07_062422023)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1166029	1232125	5.67
1-bromo-2-nitrobenzene (PCB)	A	4421081	4377739	-0.98

Analyst: TRN 07/08/22 **Reviewer:** LW 07/08/22

ENTHALPY CONTINUING CALIBRATION FOR 465031 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07			IDF:	1.0
Seqnum:	462273158004	File:	gc07_070822004	Time:	08-JUL-2022 17:14
Cal:	462252739001	Caldate:	25-JUN-2022		

Standards: S17006

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	499.2	ug/L	0	15	0.0000	
Aroclor-1260	A			500.0	566.2	ug/L	13	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.1166	1.0610	20.00	19.00	pg/uL	-5	15	0.0000	
TCMX (PCB)	A	0.9428	0.8693	20.00	18.44	pg/uL	-8	15	0.0000	
Aroclor-1016	B			500.0	508.3	ug/L	2	15	0.0000	
Aroclor-1260	B			500.0	545.9	ug/L	9	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2309	1.2096	20.00	19.65	pg/uL	-2	15	0.0000	
TCMX (PCB)	B	0.9071	0.8480	20.00	18.70	pg/uL	-7	15	0.0000	

ISTD (ICAL gc07_062422023)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1166029	1196701	2.63
1-bromo-2-nitrobenzene (PCB)	A	4421081	4359760	-1.39

Analyst: TRN 07/08/22 **Reviewer:** LW 07/08/22

Enthalpy Internal Standard Summary for Sequence 462271307

Date:	07/07/22	Reference:	gc07_062422023
Sequence:	SVOA-GC07 gc07_070722	Analyzed:	06/25/22 00:57

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	1166029	4421081
		LOWER LIMIT	583015	2210541
		UPPER LIMIT	2332058	8842162
011	CCV		1232125	4377739
057	CCV		2310418	8369160

Enthalpy Internal Standard Summary for Sequence 462271307

Date: 07/07/22 Reference: gc07_070722011
Sequence: SVOA-GC07 gc07_070722 Analyzed: 07/07/22 14:28

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	1232125	4377739
		LOWER LIMIT	616062	2188869
		UPPER LIMIT	2464249	8755477
017	BLANK	QC997568	1296395	4567856
018	BS	QC999116	992047	3587435
019	BSD	QC999117	1185064	4243168
020	SAMPLE	464635-001	1288754	4566695
021	SAMPLE	464760-001	1233782	3916833
022	SAMPLE	464762-001	1289019	4029082
023	SAMPLE	464850-001	1102453	3608803
024	SAMPLE	464850-002	1283434	4082187
025	SAMPLE	464924-001	1107055	3962124
026	SAMPLE	464925-001	1146140	4059785
027	SAMPLE	464923-001	1123421	3987707
028	SAMPLE	464923-002	1122873	3932896
029	SAMPLE	464923-003	1086579	3829742
030	SAMPLE	464923-004	1134555	4168533
031	BLANK	QC998414	1429196	5074216
032	BS	QC998415	1141901	4104679
033	BSD	QC998416	1270453	4399808
034	SAMPLE	465031-001	1216957	4162609
035	SAMPLE	465031-003	1247970	4286795
036	SAMPLE	465031-005	1302634	4497470
050	SAMPLE	465094-001	1302350	4420560
051	SAMPLE	465094-002	1089825	3807528
052	SAMPLE	465094-003	1049479	3680794

Enthalpy Internal Standard Summary for Sequence 462271307

Date:	07/07/22	Reference:	gc07_070722011
Sequence:	SVOA-GC07 gc07_070722	Analyzed:	07/07/22 14:28

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.47	4.30
		LOWER LIMIT	4.27	4.10
		UPPER LIMIT	4.67	4.50
017	BLANK	QC997568	4.47	4.30
018	BS	QC999116	4.48	4.30
019	BSD	QC999117	4.47	4.30
020	SAMPLE	464635-001	4.47	4.30
021	SAMPLE	464760-001	4.47	4.30
022	SAMPLE	464762-001	4.48	4.30
023	SAMPLE	464850-001	4.47	4.30
024	SAMPLE	464850-002	4.47	4.30
025	SAMPLE	464924-001	4.47	4.30
026	SAMPLE	464925-001	4.47	4.30
027	SAMPLE	464923-001	4.47	4.30
028	SAMPLE	464923-002	4.47	4.30
029	SAMPLE	464923-003	4.47	4.30
030	SAMPLE	464923-004	4.47	4.30
031	BLANK	QC998414	4.47	4.30
032	BS	QC998415	4.47	4.30
033	BSD	QC998416	4.47	4.30
034	SAMPLE	465031-001	4.47	4.30
035	SAMPLE	465031-003	4.47	4.30
036	SAMPLE	465031-005	4.47	4.30
050	SAMPLE	465094-001	4.47	4.30
051	SAMPLE	465094-002	4.47	4.30
052	SAMPLE	465094-003	4.47	4.30

Enthalpy Internal Standard Summary for Sequence 462271307

Date:	07/07/22	Reference:	gc07_070722016
Sequence:	SVOA-GC07 gc07_070722	Analyzed:	07/07/22 15:50

#	Type	Sample ID	1BR2NITROBZ1268 B	1BR2NITROBZ1268 A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	1258225	4484014
		LOWER LIMIT	629112	2242007
		UPPER LIMIT	2516449	8968029
017	BLANK	QC997568		
020	SAMPLE	464635-001		
021	SAMPLE	464760-001		
022	SAMPLE	464762-001		
023	SAMPLE	464850-001		
024	SAMPLE	464850-002		
025	SAMPLE	464924-001		
026	SAMPLE	464925-001		
027	SAMPLE	464923-001		
028	SAMPLE	464923-002		
029	SAMPLE	464923-003		
030	SAMPLE	464923-004		
031	BLANK	QC998414		
034	SAMPLE	465031-001	1207776	4207856
035	SAMPLE	465031-003	1245130	4338375
036	SAMPLE	465031-005	1297223	4491081
050	SAMPLE	465094-001		
051	SAMPLE	465094-002		
052	SAMPLE	465094-003		
082	SAMPLE	465094-004		

Enthalpy Internal Standard Summary for Sequence 462271307

Date:	07/07/22	Reference:	gc07_070722016
Sequence:	SVOA-GC07 gc07_070722	Analyzed:	07/07/22 15:50

#	Type	Sample ID	1BR2NITROBZ1268 B RT	1BR2NITROBZ1268 A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.48	4.30
		LOWER LIMIT	4.28	4.10
		UPPER LIMIT	4.68	4.50
017	BLANK	QC997568		
020	SAMPLE	464635-001		
021	SAMPLE	464760-001		
022	SAMPLE	464762-001		
023	SAMPLE	464850-001		
024	SAMPLE	464850-002		
025	SAMPLE	464924-001		
026	SAMPLE	464925-001		
027	SAMPLE	464923-001		
028	SAMPLE	464923-002		
029	SAMPLE	464923-003		
030	SAMPLE	464923-004		
031	BLANK	QC998414		
034	SAMPLE	465031-001	4.47	4.30
035	SAMPLE	465031-003	4.47	4.30
036	SAMPLE	465031-005	4.47	4.30
050	SAMPLE	465094-001		
051	SAMPLE	465094-002		
052	SAMPLE	465094-003		
082	SAMPLE	465094-004		

Enthalpy Internal Standard Summary for Sequence 462273158

Date:	07/08/22	Reference:	gc07_062422023
Sequence:	SVOA-GC07 gc07_070822	Analyzed:	06/25/22 00:57

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	1166029	4421081
		LOWER LIMIT	583015	2210541
		UPPER LIMIT	2332058	8842162
004	CCV		1196701	4359760
050	CCV		1354853	5062222

Enthalpy Internal Standard Summary for Sequence 462273158

Date:	07/08/22	Reference:	gc07_070822004
Sequence:	SVOA-GC07 gc07_070822	Analyzed:	07/08/22 17:14

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	1196701	4359760
		LOWER LIMIT	598350	2179880
		UPPER LIMIT	2393402	8719520
006	BS	QC998415	959314	3634738
007	BSD	QC998416	1119283	4185144
016	BLANK	QC998521	1167084	4412844
016	BLANK	QC998521	1167084	4412844
023	SAMPLE	464962-001	1202383	5728846
026	SAMPLE	465028-001	1049688	3932697
027	SAMPLE	465253-006	1493766	5294908
028	SAMPLE	465253-007	1074943	3875614
029	MSS	465253-008	1075891	3940986
030	SAMPLE	465253-009	1098193	4073944

Enthalpy Internal Standard Summary for Sequence 462273158

Date:	07/08/22	Reference:	gc07_070822004
Sequence:	SVOA-GC07 gc07_070822	Analyzed:	07/08/22 17:14

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.47	4.30
		LOWER LIMIT	4.27	4.10
		UPPER LIMIT	4.67	4.50
006	BS	QC998415	4.47	4.30
007	BSD	QC998416	4.47	4.30
016	BLANK	QC998521	4.47	4.30
023	SAMPLE	464962-001	4.47	4.30
026	SAMPLE	465028-001	4.47	4.30
027	SAMPLE	465253-006	4.47	4.30
028	SAMPLE	465253-007	4.47	4.30
029	MSS	465253-008	4.47	4.30
030	SAMPLE	465253-009	4.47	4.30

Enthalpy Sequence Summary for Sequence 462252739

Instrument: SVOA-GC07 Begun: 06/24/22 12:19
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc07_062422002	PEM				06/24/22 12:19	1.0	1	
003	gc07_062422003	CCV				06/24/22 12:37	1.0	2	ac
004	gc07_062422004	CCV				06/24/22 12:55	1.0	3	
011	gc07_062422011	PEM				06/24/22 21:26	1.0	1	
022	gc07_062422022	ICAL				06/25/22 00:39	1.0	4 5	
023	gc07_062422023	ICAL				06/25/22 00:57	1.0	4 5	
024	gc07_062422024	ICAL				06/25/22 01:14	1.0	4 5	
025	gc07_062422025	ICAL				06/25/22 01:32	1.0	4 5	
026	gc07_062422026	ICAL				06/25/22 01:49	1.0	4 5	
027	gc07_062422027	ICAL				06/25/22 02:07	1.0	4 5	
028	gc07_062422028	ICAL				06/25/22 02:24	1.0	4 5	
029	gc07_062422029	ICAL				06/25/22 02:42	1.0	4 5	
030	gc07_062422030	ICAL				06/25/22 02:59	1.0	4 5	
032	gc07_062422032	ICV				06/25/22 03:34	1.0	6	

TRN 06/25/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 32.

ac=average CCV drift out

Standards Used:
1=S16549 2=S16729 3=S17006 4=S16671 5=S16725 6=S16736

Enthalpy Sequence Summary for Sequence 462271307

Instrument: SVOA-GC07 Begun: 07/07/22 09:47

Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc07_070722002	PEM				07/07/22 09:47	1.0	1	
006	gc07_070722006	PEM				07/07/22 10:57	1.0	1	
007	gc07_070722007	CCV				07/07/22 11:15	1.0	2	
009	gc07_070722009	PEM				07/07/22 13:53	1.0	1	
010	gc07_070722010	CCV				07/07/22 14:11	1.0	2	
011	gc07_070722011	CCV				07/07/22 14:28	1.0	3	
016	gc07_070722016	ICAL				07/07/22 15:50	1.0	4	
017	gc07_070722017	BLANK	QC997568	Miscell.	292053	07/07/22 16:07	1.0	5	
018	gc07_070722018	BS	QC999116	Miscell.	292053	07/07/22 16:25	1.0	5	
019	gc07_070722019	BSD	QC999117	Miscell.	292053	07/07/22 16:42	1.0	5	
020	gc07_070722020	SAMPLE	464635-001	Oil	292053	07/07/22 17:00	10.0	5	
021	gc07_070722021	SAMPLE	464760-001	Miscell.	292053	07/07/22 17:18	10.0	5	
022	gc07_070722022	SAMPLE	464762-001	Miscell.	292053	07/07/22 17:35	10.0	5	
023	gc07_070722023	SAMPLE	464850-001	Oil	292053	07/07/22 17:53	10.0	5	
024	gc07_070722024	SAMPLE	464850-002	Oil	292053	07/07/22 18:11	10.0	5	
025	gc07_070722025	SAMPLE	464924-001	Miscell.	292053	07/07/22 18:28	10.0	5	
026	gc07_070722026	SAMPLE	464925-001	Miscell.	292053	07/07/22 18:46	10.0	5	
027	gc07_070722027	SAMPLE	464923-001	Oil	292053	07/07/22 19:03	100.0	5	
028	gc07_070722028	SAMPLE	464923-002	Oil	292053	07/07/22 19:21	100.0	5	
029	gc07_070722029	SAMPLE	464923-003	Oil	292053	07/07/22 19:39	100.0	5	
030	gc07_070722030	SAMPLE	464923-004	Oil	292053	07/07/22 19:56	100.0	5	
031	gc07_070722031	BLANK	QC998414	Wipe	292307	07/07/22 20:14	1.0	5	
032	gc07_070722032	BS	QC998415	Wipe	292307	07/07/22 20:31	1.0	5	
033	gc07_070722033	BSD	QC998416	Wipe	292307	07/07/22 20:49	1.0	5	
034	gc07_070722034	SAMPLE	465031-001	Wipe	292307	07/07/22 21:07	1.0	5	
035	gc07_070722035	SAMPLE	465031-003	Wipe	292307	07/07/22 21:24	1.0	5	
036	gc07_070722036	SAMPLE	465031-005	Wipe	292307	07/07/22 21:42	1.0	5	
037	gc07_070722037	XSAMPLE	465035-001	Wipe	292307	07/07/22 22:00	1.0	5	
038	gc07_070722038	XSAMPLE	465035-004	Wipe	292307	07/07/22 22:17	1.0	5	
039	gc07_070722039	XSAMPLE	465035-006	Wipe	292307	07/07/22 22:35	1.0	5	
040	gc07_070722040	XSAMPLE	465035-008	Wipe	292307	07/07/22 22:52	1.0	5	
041	gc07_070722041	XSAMPLE	465035-010	Wipe	292307	07/07/22 23:10	1.0	5	
042	gc07_070722042	XSAMPLE	465035-012	Wipe	292307	07/07/22 23:28	1.0	5	
043	gc07_070722043	XSAMPLE	465035-014	Wipe	292307	07/07/22 23:45	1.0	5	
044	gc07_070722044	XSAMPLE	465035-016	Wipe	292307	07/08/22 00:03	1.0	5	
045	gc07_070722045	XSAMPLE	465035-018	Wipe	292307	07/08/22 00:21	1.0	5	
046	gc07_070722046	XSAMPLE	465035-020	Wipe	292307	07/08/22 00:38	1.0	5	
047	gc07_070722047	XSAMPLE	465035-022	Wipe	292307	07/08/22 00:56	1.0	5	
048	gc07_070722048	XSAMPLE	465035-023	Wipe	292307	07/08/22 01:13	1.0	5	
049	gc07_070722049	XSAMPLE	465035-025	Wipe	292307	07/08/22 01:31	1.0	5	
050	gc07_070722050	SAMPLE	465094-001	Wipe	292307	07/08/22 01:49	1.0	5	
051	gc07_070722051	SAMPLE	465094-002	Wipe	292307	07/08/22 02:06	1.0	5	
052	gc07_070722052	SAMPLE	465094-003	Wipe	292307	07/08/22 02:24	1.0	5	
055	gc07_070722055	PEM				07/08/22 03:17	1.0	1	
056	gc07_070722056	CCV				07/08/22 03:35	1.0	2	ac
057	gc07_070722057	CCV				07/08/22 03:52	1.0	3	
065	gc07_070722065	UNKNOWN				07/08/22 06:14	1.0	5	
066	gc07_070722066	IDOC	QC998525	Water	292354	07/08/22 06:31	1.0	5	<ac
067	gc07_070722067	IDOC	QC998526	Water	292354	07/08/22 06:49	1.0	5	<ac
068	gc07_070722068	IDOC	QC998527	Water	292354	07/08/22 07:06	1.0	5	<ac

Enthalpy Sequence Summary for Sequence 462271307

Instrument: SVOA-GC07 Begun: 07/07/22 09:47
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
069	gc07_070722069	IDOC	QC998528	Water	292354	07/08/22 07:24	1.0	5	<ac
070	gc07_070722070	IDOC	QC998529	Water	292354	07/08/22 07:42	1.0	5	
071	gc07_070722071	IDOC	QC998530	Water	292354	07/08/22 07:59	1.0	5	
072	gc07_070722072	IDOC	QC998531	Water	292354	07/08/22 08:17	1.0	5	
073	gc07_070722073	IDOC	QC998532	Water	292354	07/08/22 08:35	1.0	5	
082	gc07_070722082	SAMPLE	465094-004	Wipe	292307	07/08/22 11:42	1.0	5	
083	gc07_070722083	SAMPLE	464984-001	Soil	292284	07/08/22 11:59	5.0	5	<ac
084	gc07_070722084	SAMPLE	464984-006	Soil	292284	07/08/22 12:17	5.0	5	<ac
085	gc07_070722085	SAMPLE	464984-011	Soil	292284	07/08/22 12:35	1.0	5	<ac
086	gc07_070722086	SAMPLE	464984-016	Soil	292284	07/08/22 12:52	1.0	5	<ac
087	gc07_070722087	SAMPLE	464984-021	Soil	292284	07/08/22 13:10	1.0	5	<ac
088	gc07_070722088	SAMPLE	464984-026	Soil	292284	07/08/22 13:28	1.0	5	<ac
089	gc07_070722089	SAMPLE	464984-031	Soil	292284	07/08/22 13:45	1.0	5	<ac
090	gc07_070722090	SAMPLE	464984-036	Soil	292284	07/08/22 14:03	1.0	5	<ac
091	gc07_070722091	SAMPLE	464984-041	Soil	292284	07/08/22 14:21	1.0	5	<ac
092	gc07_070722092	SAMPLE	464984-046	Soil	292284	07/08/22 14:38	1.0	5	<ac
093	gc07_070722093	XSAMPLE	465031-001	Wipe	292307	07/08/22 14:56	1.0	5	
094	gc07_070722094	XSAMPLE	465031-005	Wipe	292307	07/08/22 15:13	1.0	5	

TRN 07/08/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 9 through 94.

<=opening ac=average CCV drift out

Standards Used:
1=S17018 2=S16729 3=S17006 4=S16847 5=S17010

Instrument: SVOA-GC07 Begun: 07/08/22 16:38
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc07_070822002	PEM				07/08/22 16:38	1.0	1	
003	gc07_070822003	CCV				07/08/22 16:56	1.0	2	
004	gc07_070822004	CCV				07/08/22 17:14	1.0	3	
006	gc07_070822006	BS	QC998415	Wipe	292307	07/08/22 17:32	1.0	4	
007	gc07_070822007	BSD	QC998416	Wipe	292307	07/08/22 17:50	1.0	4	
008	gc07_070822008	ICAL				07/08/22 18:07	1.0	5	
009	gc07_070822009	SAMPLE	464841-001	Soil	292437	07/08/22 18:25	1.0	4	>ac , 1:ALDRIN=230
015	gc07_070822015	SAMPLE	464320-001	TCLP Leachate	292178	07/08/22 20:11	10.0	4	>ac , 5:HEPT-EPOX=620
016	gc07_070822016	BLANK	QC998521	Soil	292353	07/08/22 20:29	1.0	4	>ac
017	gc07_070822017	LCS	QC998522	Soil	292353	07/08/22 20:46	1.0	4	>ac
019	gc07_070822019	MS	QC998566	Soil	292353	07/08/22 21:22	1.0	4	>ac
020	gc07_070822020	MSD	QC998567	Soil	292353	07/08/22 21:39	1.0	4	>ac
023	gc07_070822023	SAMPLE	464962-001	Miscell.	292353	07/08/22 22:32	1.0	4	
024	gc07_070822024	MSS	464984-051	Soil	292353	07/08/22 22:50	1.0	4	>ac
025	gc07_070822025	SAMPLE	464984-056	Soil	292353	07/08/22 23:07	1.0	4	>ac
026	gc07_070822026	SAMPLE	465028-001	Soil	292353	07/08/22 23:25	1.0	4	
027	gc07_070822027	SAMPLE	465253-006	Soil	292353	07/08/22 23:43	1.0	4	2:PCB1260#4=4900
028	gc07_070822028	SAMPLE	465253-007	Soil	292353	07/09/22 00:00	1.0	4	
029	gc07_070822029	MSS	465253-008	Soil	292353	07/09/22 00:18	1.0	4	
030	gc07_070822030	SAMPLE	465253-009	Soil	292353	07/09/22 00:36	1.0	4	
031	gc07_070822031	SAMPLE	465022-001	Soil	292437	07/09/22 00:53	10.0	4	>ac
032	gc07_070822032	SAMPLE	465022-002	Soil	292437	07/09/22 01:11	5.0	4	>ac
033	gc07_070822033	SAMPLE	465022-003	Soil	292437	07/09/22 01:28	5.0	4	>ac
034	gc07_070822034	SAMPLE	465022-004	Soil	292437	07/09/22 01:46	5.0	4	>ac
035	gc07_070822035	SAMPLE	465022-005	Soil	292437	07/09/22 02:04	10.0	4	>ac
036	gc07_070822036	SAMPLE	465022-006	Soil	292437	07/09/22 02:21	1.0	4	>ac

Enthalpy Sequence Summary for Sequence 462273158

Instrument: SVOA-GC07 Begun: 07/08/22 16:38
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
037	gc07_070822037	SAMPLE	465022-007	Soil	292437	07/09/22 02:39	1.0	4	>ac
038	gc07_070822038	SAMPLE	465022-008	Soil	292437	07/09/22 02:57	1.0	4	>ac
039	gc07_070822039	SAMPLE	465022-009	Soil	292437	07/09/22 03:14	10.0	4	>ac
040	gc07_070822040	SAMPLE	465022-010	Soil	292437	07/09/22 03:32	10.0	4	>ac
041	gc07_070822041	SAMPLE	465022-011	Soil	292437	07/09/22 03:49	10.0	4	>ac
042	gc07_070822042	SAMPLE	465022-012	Soil	292437	07/09/22 04:07	1.0	4	>ac
043	gc07_070822043	SAMPLE	465022-013	Soil	292437	07/09/22 04:25	10.0	4	>ac
048	gc07_070822048	PEM				07/09/22 05:53	1.0	1	
049	gc07_070822049	CCV				07/09/22 06:11	1.0	2	ac
050	gc07_070822050	CCV				07/09/22 06:28	1.0	3	
061	gc07_070822061	SAMPLE	465022-014	Soil	292437	07/09/22 09:42	1.0	4	<ac
062	gc07_070822062	SAMPLE	465022-015	Soil	292437	07/09/22 10:00	10.0	4	<ac
063	gc07_070822063	SAMPLE	465022-016	Soil	292437	07/09/22 10:18	1.0	4	<ac

TRN 07/11/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 63.

<=opening >=closing ac=average CCV drift out

Standards Used:
1=S17018 2=S17019 3=S17006 4=S17010 5=S17011

SAMPLE PREPARATION SUMMARY

Batch # : 292307 Analysis : PCB
Started By : SME Prep Date : 05-JUL-2022 15:00 Finished By : SME
Method : 3572M Units : dm2
Spike #1 ID : S17020 Spike #2 ID : S17022

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
465031-001		Wipe	1	20	1	20.0		1				PCB	
465031-003		Wipe	1	20	1	20.0		1				PCB	
465031-005		Wipe	1	20	1	20.0		1				PCB	
465035-001		Wipe	1	20	1	20.0		1				PCB	
465035-004		Wipe	1	20	1	20.0		1				PCB	
465035-006		Wipe	1	20	1	20.0		1				PCB	
465035-008		Wipe	1	20	1	20.0		1				PCB	
465035-010		Wipe	1	20	1	20.0		1				PCB	
465035-012		Wipe	1	20	1	20.0		1				PCB	
465035-014		Wipe	1	20	1	20.0		1				PCB	
465035-016		Wipe	1	20	1	20.0		1				PCB	
465035-018		Wipe	1	20	1	20.0		1				PCB	
465035-020		Wipe	1	20	1	20.0		1				PCB	
465035-022		Wipe	1	20	1	20.0		1				PCB	
465035-023		Wipe	1	20	1	20.0		1				PCB	
465035-025		Wipe	1	20	1	20.0		1				PCB	
465094-001		Wipe	1	20	1	20.0		1				PCB	
465094-002		Wipe	1	20	1	20.0		1				PCB	
465094-003		Wipe	1	20	1	20.0		1				PCB	
465094-004		Wipe	1	20	1	20.0		1				PCB	
QC998414	BLANK	Wipe	1	10	1	10.0		.5				8080	
QC998415	BS	Wipe	1	10	1	10.0		.5	.5			8080	
QC998416	BSD	Wipe	1	10	1	10.0		.5	.5			8080	

TRN 07/08/22 : BS/D verify the batch

TRN 07/08/22 : 465094 was xout temporarily due to LIMS issue. QA/PM notified.

TRN 07/15/22 : Analyzed 465094

Analyst: TRN Date: 07/08/22 Reviewer: LW Date: 07/08/22

15:00

8081/8082 Prep Log

Date/Time: 07/05/2022 Initials: SME

608 QC Batch#:

8081 QC Batch #:

Matrix: Wipe Prep Method: 3580 Balance ID: N/A

8082 QC Batch #: 292307

Sample ID	Cont. ID	Sample Initial Amount Circle one: mL g	pH is 5-9?	Extraction Equipment ID (Sox, Sonic., Shaker)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Witness ID	Comment
Blank		1 Wipe	N/A	SH3	N/A	10.0		JAP	500 µL PCB Surr.
LCS		↓	↓	↓	↓	↓		↓	↓
LCSD		↓	↓	↓	↓	↓		↓	↓
465031-001	A	↓	↓	↓	↓	20.0		↓	1000 µL PCB Surr.
-003	A	↓	↓	↓	↓	↓		↓	↓
-005	A	↓	↓	↓	↓	↓		↓	↓
465035-001	A	↓	↓	↓	↓	↓		↓	↓
-004	A	↓	↓	↓	↓	↓		↓	↓
-006	A	↓	↓	↓	↓	↓		↓	↓
-008	A	↓	↓	↓	↓	↓		↓	↓
-010	A	↓	↓	↓	↓	↓		↓	↓
-012	A	↓	↓	↓	↓	↓		↓	↓
-014	A	↓	↓	↓	↓	↓		↓	↓
-016	A	↓	↓	↓	↓	↓		↓	↓
-018	A	↓	↓	↓	↓	↓		↓	↓
-020	A	↓	↓	↓	↓	↓		↓	↓
-022	A	↓	↓	↓	↓	↓		↓	↓
-023	A	↓	↓	↓	↓	↓		↓	↓
-025	A	↓	↓	↓	↓	↓		↓	↓
465094-001	A	↓	↓	↓	↓	↓		↓	Sample arrived in plastic bag, transfered to jar
-002	A	↓	↓	↓	↓	↓		↓	↓
-003	A	↓	↓	↓	↓	↓		↓	↓
-004	A	↓	↓	↓	↓	↓		↓	↓

Methylene Chloride Lot: N/A

Exchange Solvent (Hexane) ID: 216211

Acetone-Hexane Mix ID: N/A

Sodium Sulfate Lot: 2108960

Baked Sand Lot: N/A

Surrogate ID: S17020 Volume: µL

Pest LCS Spike ID: Volume: µL

PCB LCS Spike ID: S17022 Volume: 500 µL

Pest MS/MSD Spike ID: Volume: µL

PCB MS/MSD Spike ID: Volume: µL

REPORTING SUMMARY FOR 465031 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
465031-001	Aroclor-1016	SVOA-GC07	B	07/07/22 21:07
465031-001	Aroclor-1221	SVOA-GC07	B	07/07/22 21:07
465031-001	Aroclor-1232	SVOA-GC07	B	07/07/22 21:07
465031-001	Aroclor-1242	SVOA-GC07	B	07/07/22 21:07
465031-001	Aroclor-1248	SVOA-GC07	B	07/07/22 21:07
465031-001	Aroclor-1254	SVOA-GC07	B	07/07/22 21:07
465031-001	Aroclor-1260	SVOA-GC07	B	07/07/22 21:07
465031-001	Aroclor-1268	SVOA-GC07	B	07/07/22 21:07
465031-001	TCMX (PCB)	SVOA-GC07	A	07/07/22 21:07
465031-001	Decachlorobiphenyl (PCB)	SVOA-GC07	A	07/07/22 21:07
465031-003	Aroclor-1016	SVOA-GC07	B	07/07/22 21:24
465031-003	Aroclor-1221	SVOA-GC07	B	07/07/22 21:24
465031-003	Aroclor-1232	SVOA-GC07	B	07/07/22 21:24
465031-003	Aroclor-1242	SVOA-GC07	B	07/07/22 21:24
465031-003	Aroclor-1248	SVOA-GC07	B	07/07/22 21:24
465031-003	Aroclor-1254	SVOA-GC07	B	07/07/22 21:24
465031-003	Aroclor-1260	SVOA-GC07	B	07/07/22 21:24
465031-003	Aroclor-1268	SVOA-GC07	B	07/07/22 21:24
465031-003	TCMX (PCB)	SVOA-GC07	B	07/07/22 21:24
465031-003	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/07/22 21:24
465031-005	Aroclor-1016	SVOA-GC07	B	07/07/22 21:42
465031-005	Aroclor-1221	SVOA-GC07	B	07/07/22 21:42
465031-005	Aroclor-1232	SVOA-GC07	B	07/07/22 21:42
465031-005	Aroclor-1242	SVOA-GC07	B	07/07/22 21:42
465031-005	Aroclor-1248	SVOA-GC07	B	07/07/22 21:42
465031-005	Aroclor-1254	SVOA-GC07	B	07/07/22 21:42
465031-005	Aroclor-1260	SVOA-GC07	B	07/07/22 21:42
465031-005	Aroclor-1268	SVOA-GC07	B	07/07/22 21:42
465031-005	TCMX (PCB)	SVOA-GC07	A	07/07/22 21:42
465031-005	Decachlorobiphenyl (PCB)	SVOA-GC07	A	07/07/22 21:42
QC998414	Aroclor-1016	SVOA-GC07	B	07/07/22 20:14
QC998414	Aroclor-1221	SVOA-GC07	B	07/07/22 20:14
QC998414	Aroclor-1232	SVOA-GC07	B	07/07/22 20:14
QC998414	Aroclor-1242	SVOA-GC07	B	07/07/22 20:14
QC998414	Aroclor-1248	SVOA-GC07	B	07/07/22 20:14
QC998414	Aroclor-1254	SVOA-GC07	B	07/07/22 20:14
QC998414	Aroclor-1260	SVOA-GC07	B	07/07/22 20:14
QC998414	Aroclor-1268	SVOA-GC07	B	07/07/22 20:14
QC998414	TCMX (PCB)	SVOA-GC07	B	07/07/22 20:14
QC998414	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/07/22 20:14
QC998415	Aroclor-1016	SVOA-GC07	A	07/08/22 17:32
QC998415	Aroclor-1260	SVOA-GC07	A	07/08/22 17:32
QC998415	TCMX (PCB)	SVOA-GC07	A	07/08/22 17:32
QC998415	Decachlorobiphenyl (PCB)	SVOA-GC07	A	07/08/22 17:32
QC998416	Aroclor-1016	SVOA-GC07	A	07/08/22 17:50
QC998416	Aroclor-1260	SVOA-GC07	A	07/08/22 17:50
QC998416	TCMX (PCB)	SVOA-GC07	A	07/08/22 17:50
QC998416	Decachlorobiphenyl (PCB)	SVOA-GC07	A	07/08/22 17:50

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	465031-001	Client ID:	DOOR-N-0.3GW-DG-11 TO 25-220628-P-LA
Seqnum:	462271307034.2	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_070722034	Batch:	292307	Time:	07-JUL-2022 21:07
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Cal	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	462252739001	9.180	ug/L	ND	0.66	113%	1.0		u
Aroclor-1016 Peak # 1	B	462252739001	14.77	ug/L	0.30	0.37	21%			
Aroclor-1016 Peak # 2	B	462252739001	0.6988	ug/L	0.01	0.08	142%			
Aroclor-1016 Peak # 3	B	462252739001	29.15	ug/L	0.58	0.73	23%			
Aroclor-1016 Peak # 4	B	462252739001	0.8734	ug/L	0.02	0.15	158%			
Aroclor-1016 Peak # 5	B	462252739001	0.4127	ug/L	0.01	1.99	198%			
Aroclor-1221	B				ND			1.0		u
Aroclor-1232	B				ND			1.0		u
Aroclor-1242	B				ND			1.0		u
Aroclor-1248	B				ND			1.0		u
Aroclor-1254	B				ND			1.0		u
Aroclor-1260	B	462252739001	6.370	ug/L	ND	0.51	120%	1.0		u
Aroclor-1260 Peak # 1	B	462252739001	6.088	ug/L	0.12	0.58	130%			
Aroclor-1260 Peak # 2	B	462252739001	2.906	ug/L	0.06	0.08	30%			
Aroclor-1260 Peak # 3	B	462252739001	6.560	ug/L	0.13	0.02	158%			
Aroclor-1260 Peak # 4	B	462252739001	7.356	ug/L	0.15	0.44	99%			
Aroclor-1260 Peak # 5	B	462252739001	8.940	ug/L	0.18	1.43	156%			
Aroclor-1268	B	462271307001	7.186	ug/L	ND	0.55	117%	1.0		?v u
Aroclor-1268 Peak # 1	B	462271307001	17.84	ug/L	0.36	1.70	131%			
Aroclor-1268 Peak # 2	B	462271307001	11.19	ug/L	0.22	0.42	62%			
Aroclor-1268 Peak # 3	B	462271307001	4.506	ug/L	0.09	0.53	142%			
Aroclor-1268 Peak # 4	B	462271307001	0.9261	ug/L	0.02	0.04	76%			
Aroclor-1268 Peak # 5	B	462271307001	1.463	ug/L	0.03	0.04	23%			

Surrogate	Ch	Cal	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	462252739001	25.89	pg/uL	1.000	0.5178	52	52-186	u
Decachlorobiphenyl (PCB)	A	462252739001	24.04	pg/uL	1.000	0.4809	**48***	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070722011)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1232125	1216957	-1.23
1-bromo-2-nitrobenzene (PCB)	A	4377739	4162609	-4.91

ISTD (ICAL gc07_070722016)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1268)	B	1258225	1207776	-4.01
1-bromo-2-nitrobenzene (1268)	A	4484014	4207856	-6.16

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070722011)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.30	4.30	0.00

ISTD (ICAL gc07_070722016)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1268)	B	4.48	4.47	-0.01
1-bromo-2-nitrobenzene (1268)	A	4.30	4.30	0.00

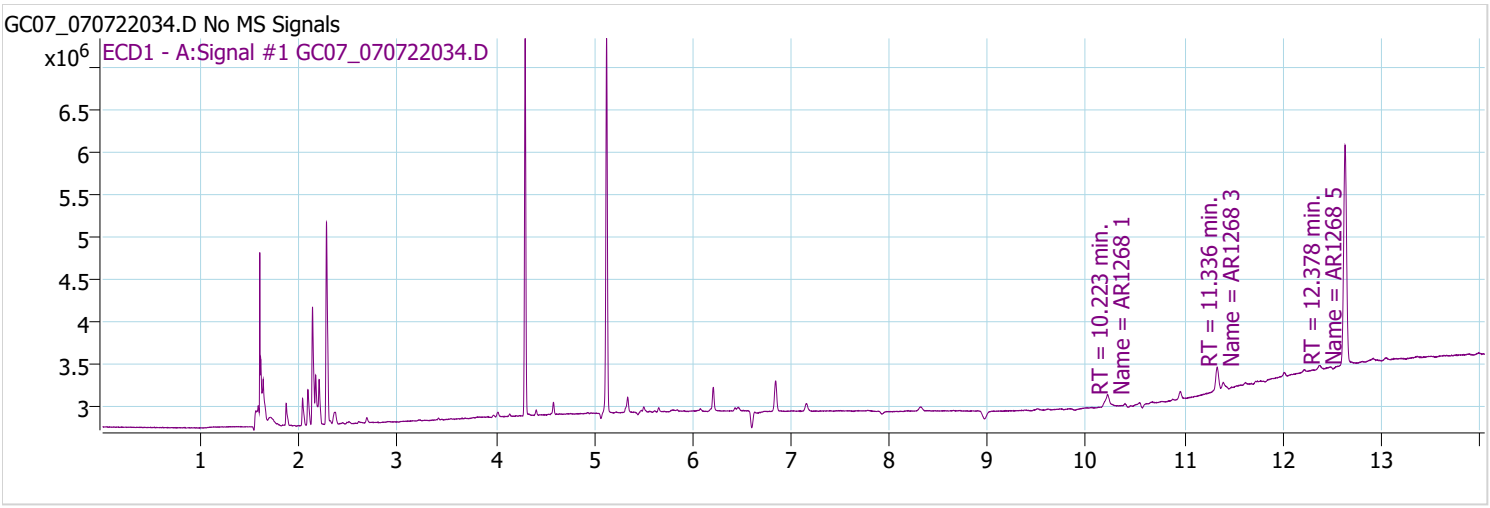
?=missing u=use v=ICV out

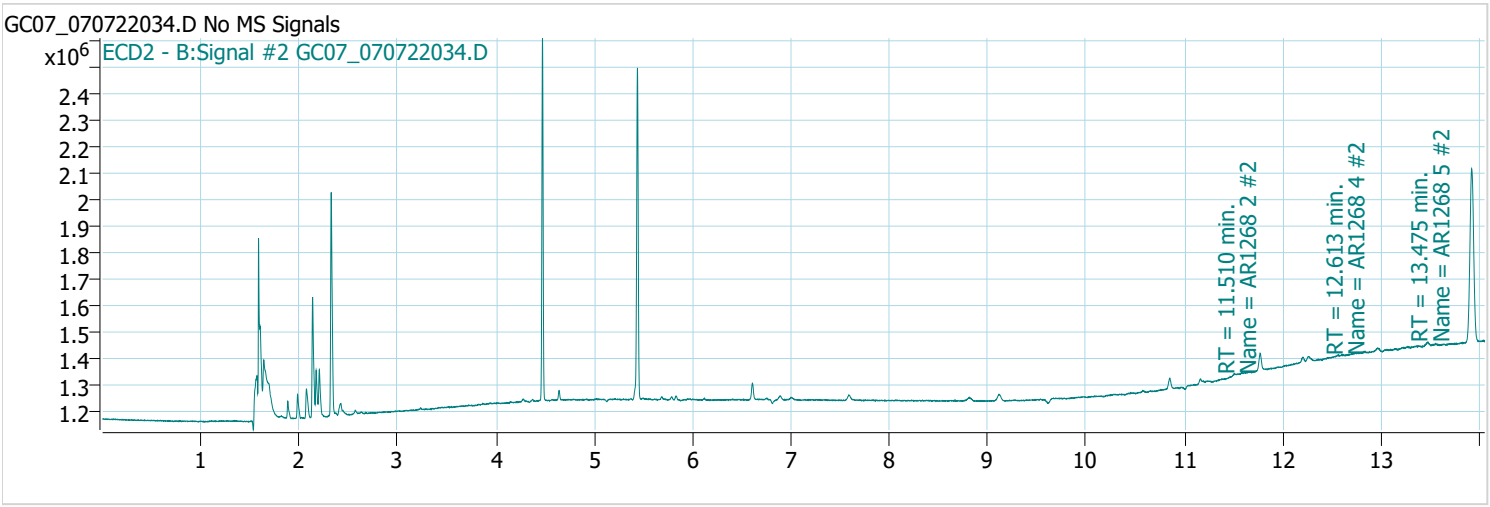
Analyst: TRN 07/08/22 *

Reviewer: LW 07/08/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC07_070722034.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/7/2022 9:07:07 PM
Sample Name	465031-001, 292307, 1	Instrument	SVOA-GC07
Vial	18	Multiplier	1.00
DA Method File	PCB_AR1268_070822_GC07_1.m	Comment	SOIL/10G-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	070822AR1268.batch.bin	Last Calib Update	7/8/2022 7:16:21 PM
Ref Library			



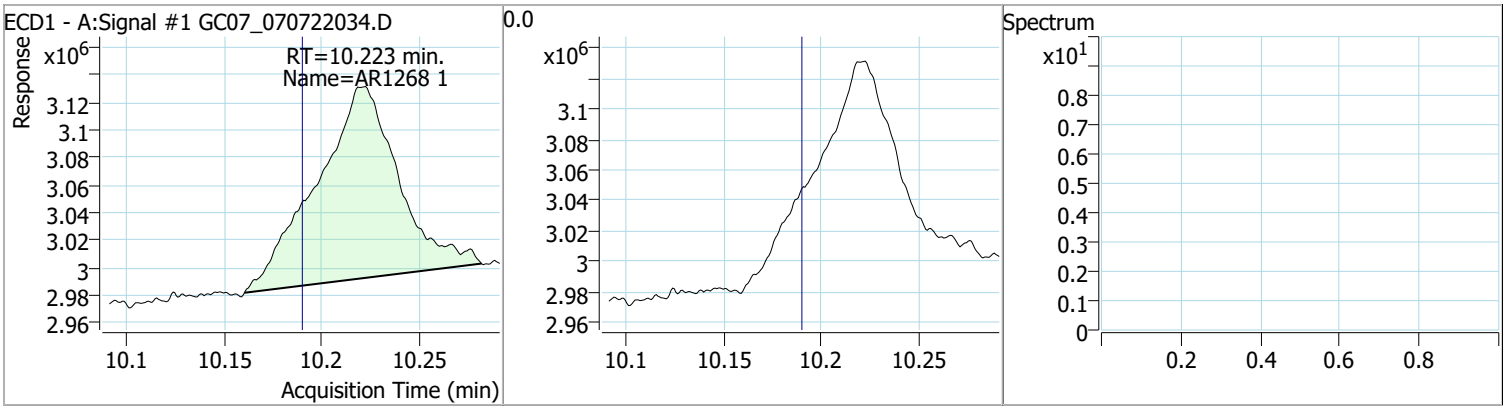


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (1268)	4.298	0.0	4207855.753	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (1268) #2	4.473	0.0	1207776.142	20.0000	ng/ml	-0.002
System Monitoring Compounds						
Target Compounds						**QValue**
T AR1268 1	10.223	0.0	406523.169	85.0225	ng/ml	100
T AR1268 2	10.545	0.0	129064.851	21.2100	ng/ml	100
T Aroclor-1268	11.221	0.0	256479.082	11.6284	ng/ml	
T AR1268 1 #2	11.163	0.0	24623.370	17.8426	ng/ml	100
T AR1268 3	11.336	0.0	601398.833	26.6762	ng/ml	100
T AR1268 2 #2	11.510	0.0	20159.555	11.1919	ng/ml	100
T AR1268 4	11.623	0.0	37192.623	2.0674	ng/ml	100
T AR1268 3 #2	12.207	0.0	31283.114	4.5056	ng/ml	100
T AR1268 5	12.378	0.0	108215.933	1.8379	ng/ml	100
T Aroclor-1268 #2	12.194	0.0	21742.920	3.1487	ng/ml	
T AR1268 4 #2	12.613	0.0	5277.778	0.9261	ng/ml	100

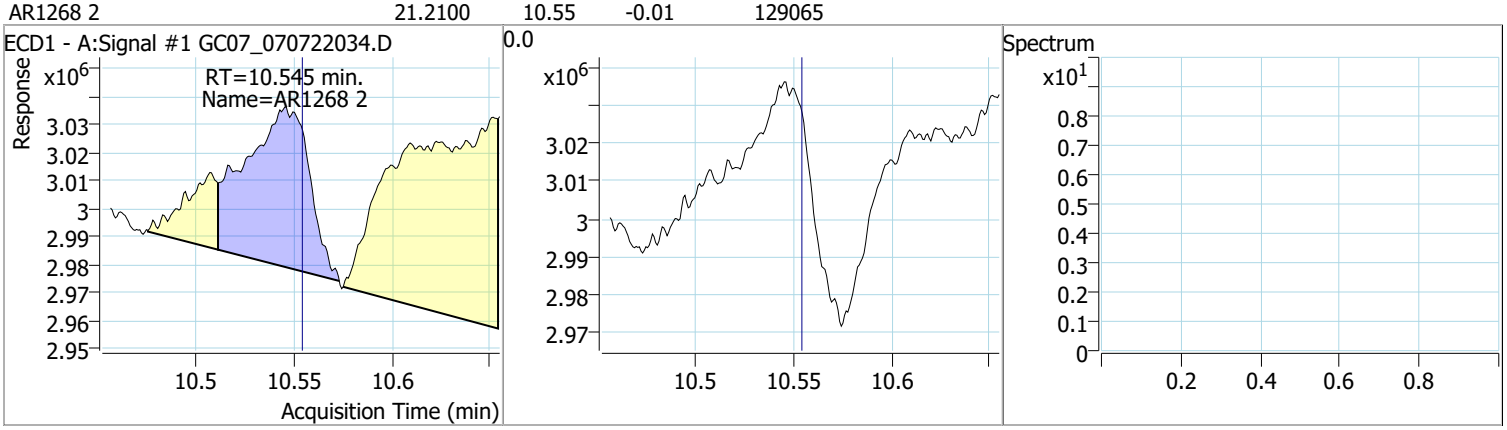
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1268 5 #2	13.475	0.0	27370.782	1.4634	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

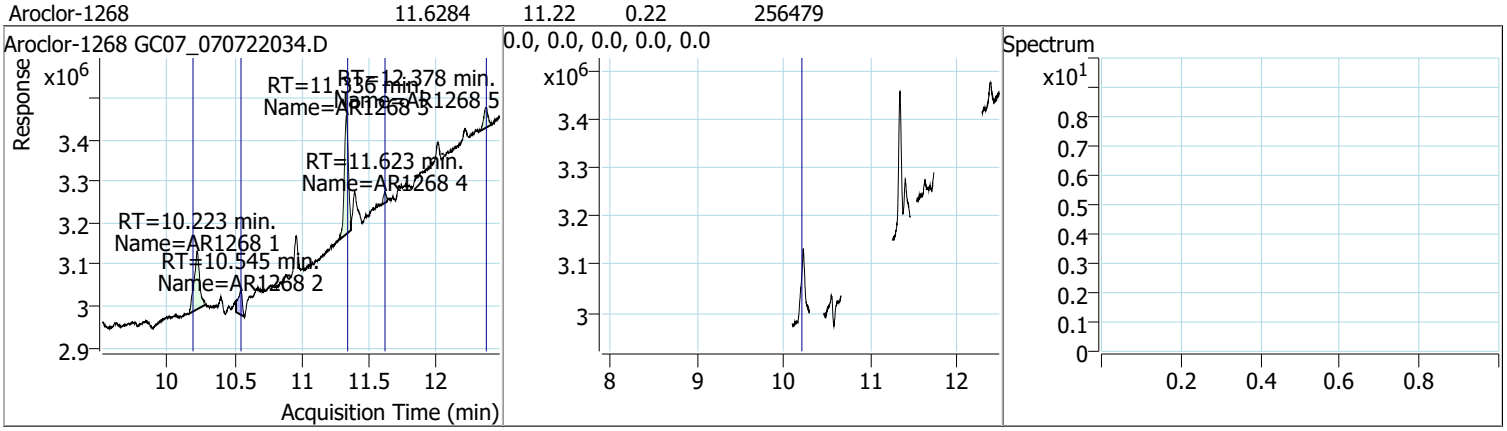
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1	85.0225	10.22	0.03	406523				



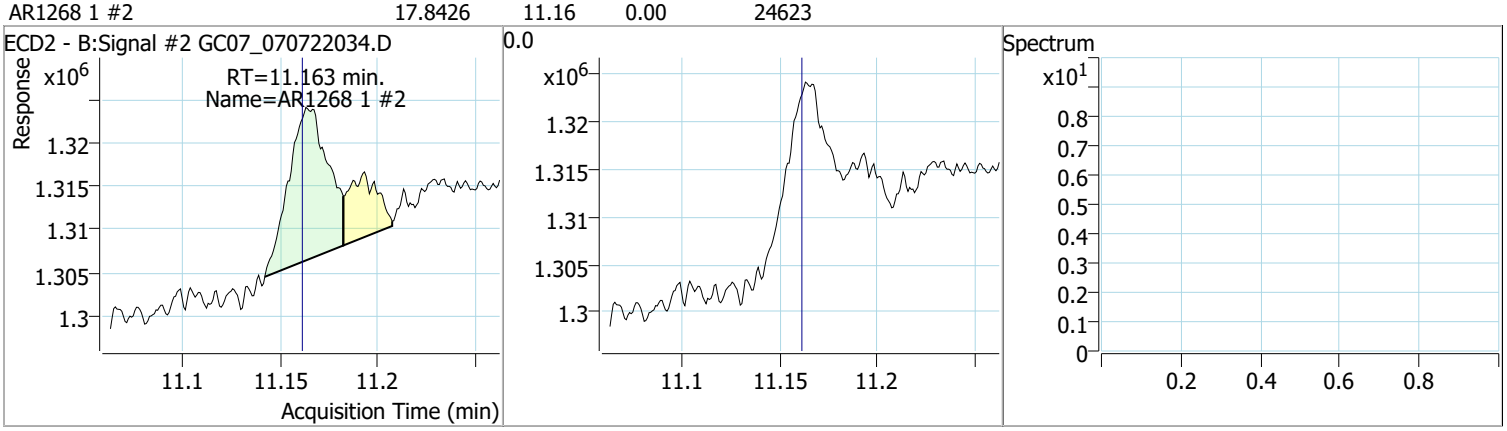
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2	21.2100	10.55	-0.01	129065				



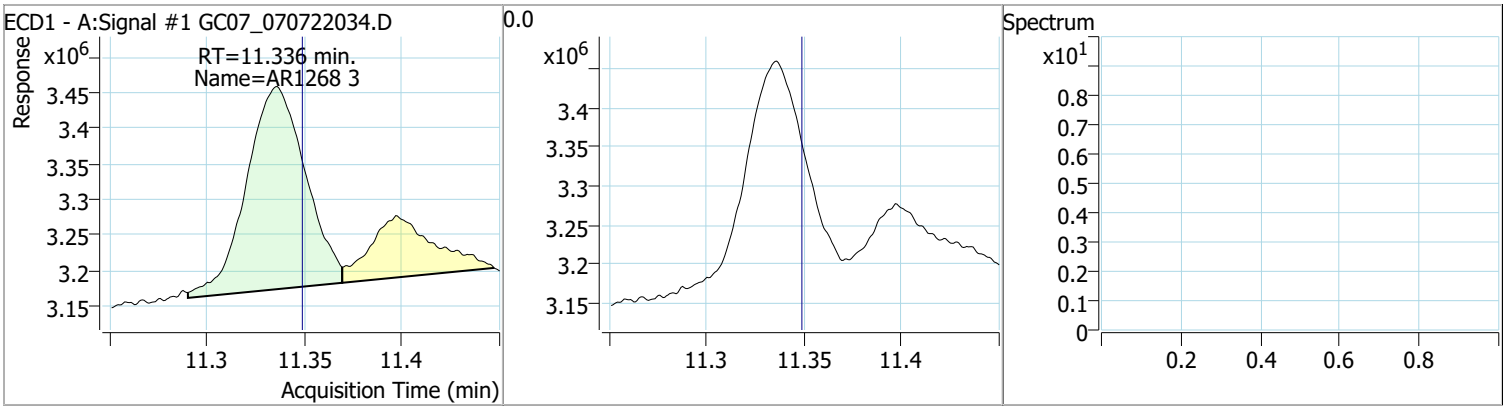
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268	11.6284	11.22	0.22	256479				



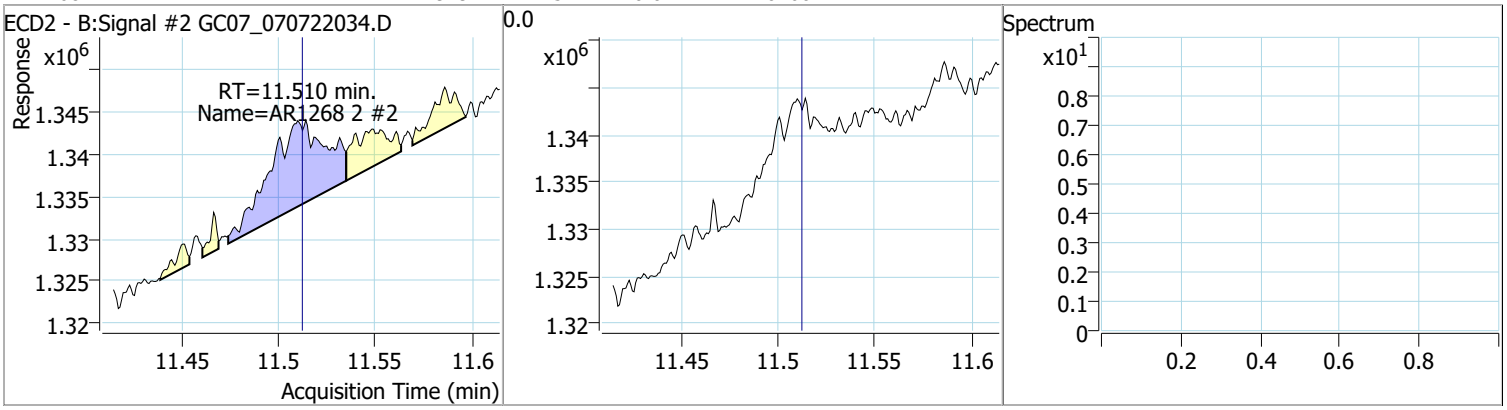
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1 #2	17.8426	11.16	0.00	24623				



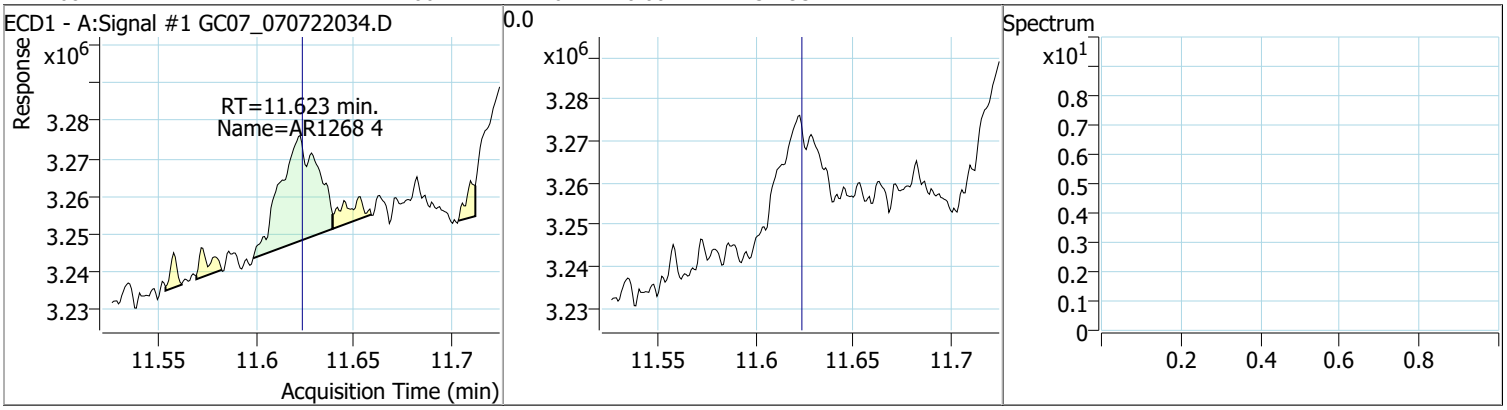
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3	26.6762	11.34	-0.02	601399				



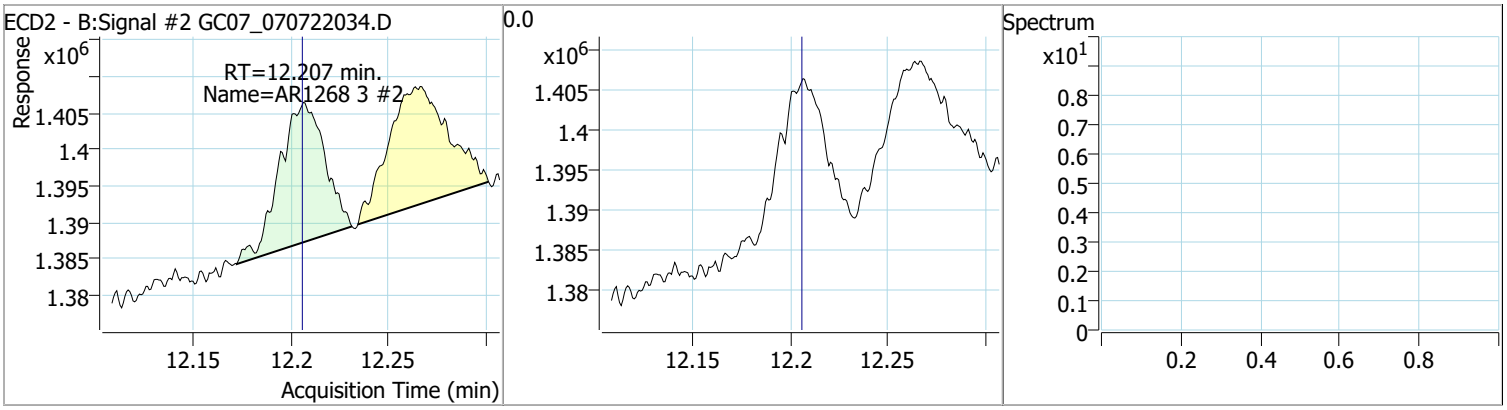
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2 #2	11.1919	11.51	-0.01	20160				



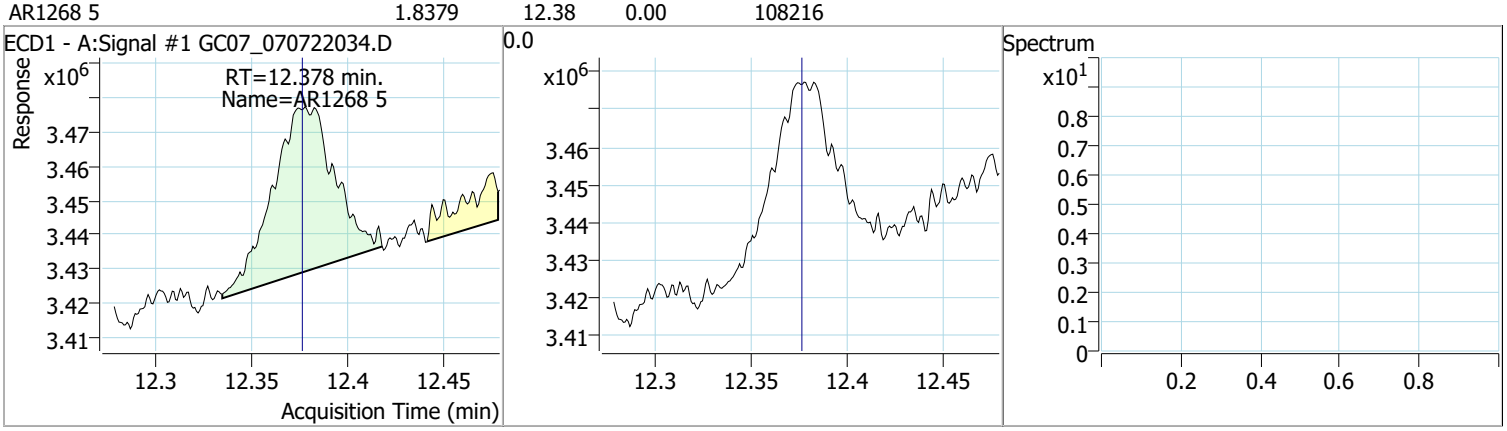
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4	2.0674	11.62	0.00	37193				



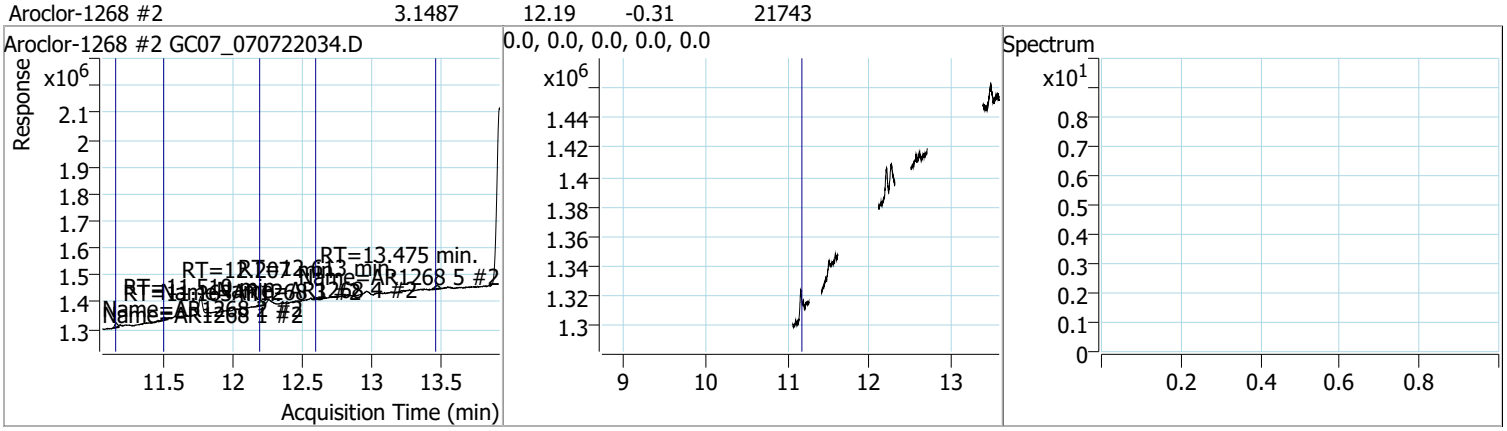
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3 #2	4.5056	12.21	0.00	31283				



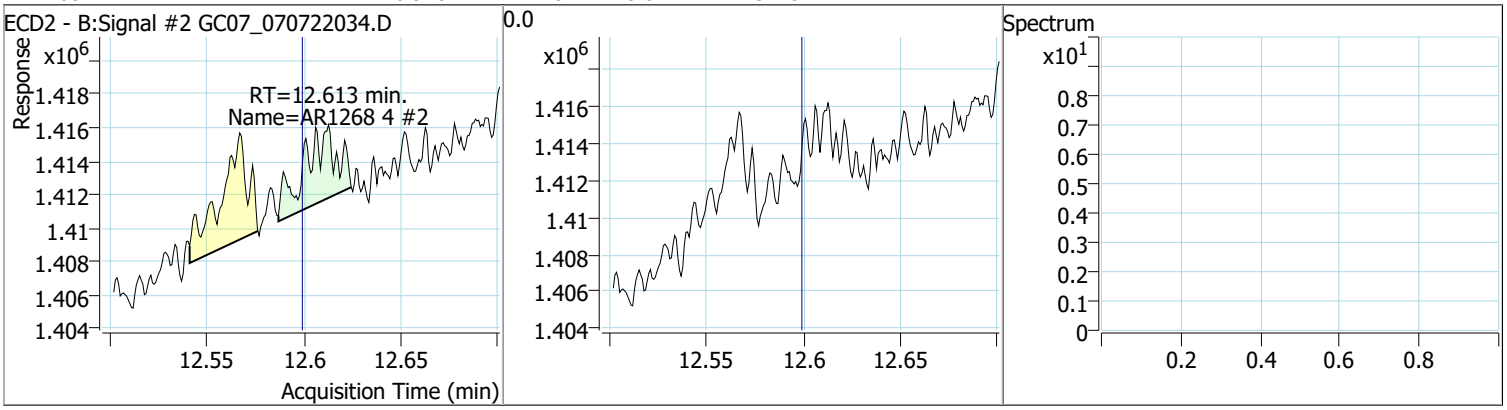
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5	1.8379	12.38	0.00	108216				



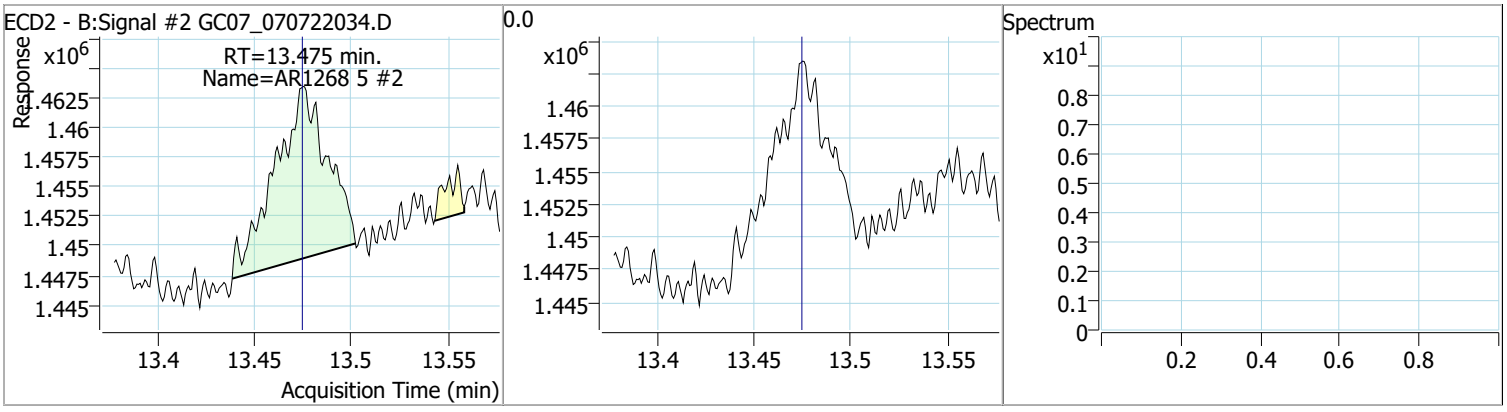
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268 #2	3.1487	12.19	-0.31	21743				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4 #2	0.9261	12.61	0.01	5278				

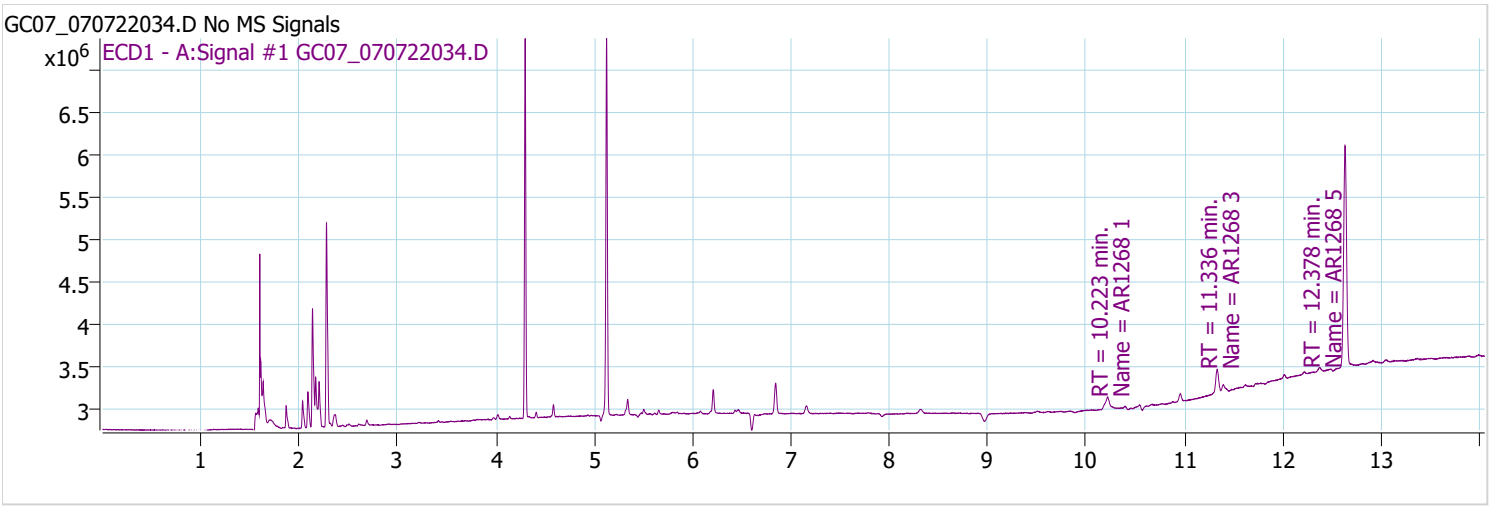


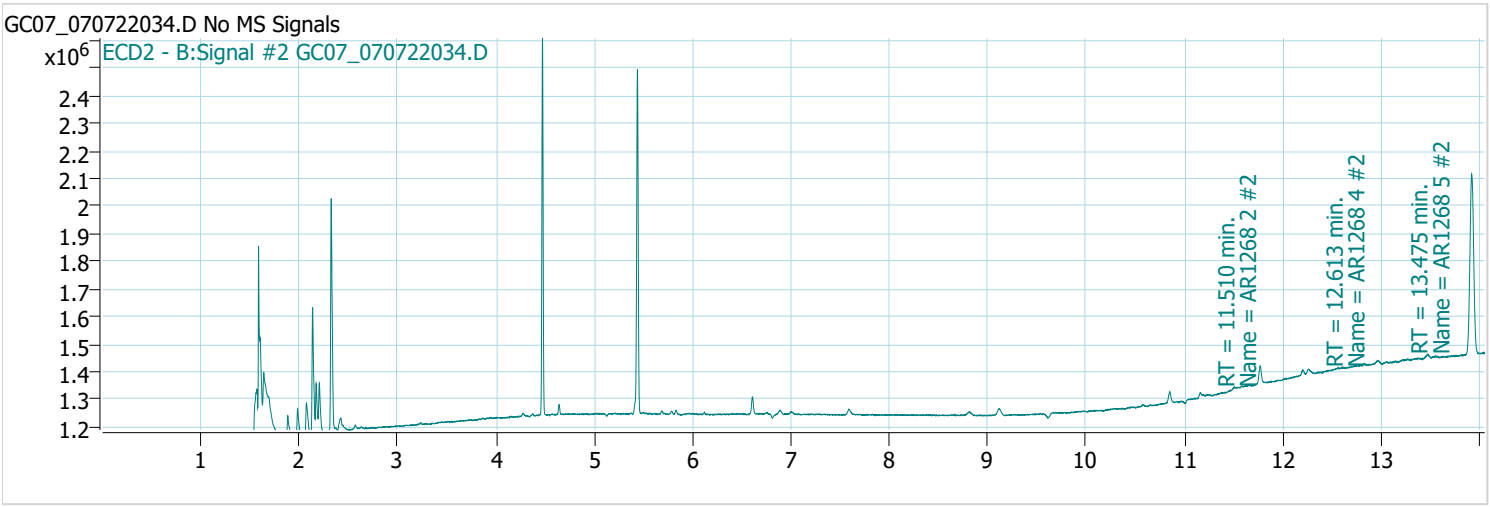
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5 #2	1.4634	13.48	0.00	27371				



Quantitation Results Report (Not Reviewed)

Data File	GC07_070722034.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/7/2022 9:07:07 PM
Sample Name	465031-001, 292307, 1	Instrument	SVOA-GC07
Vial	18	Multiplier	1.00
DA Method File		Comment	SOIL/10G-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	070822AR1268.batch.bin	Last Calib Update	7/8/2022 6:49:36 PM
Ref Library			



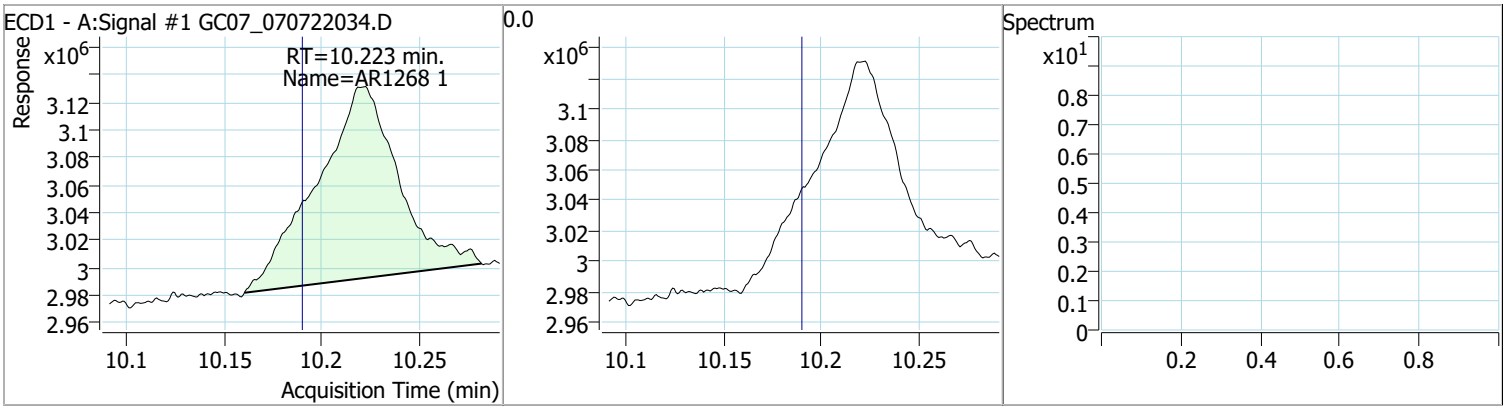


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (1268)	4.298	0.0	4207855.753	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (1268) #2	4.473	0.0	1207776.142	20.0000	ng/ml	-0.002
System Monitoring Compounds						
Target Compounds						**QValue**
T AR1268 1	10.223	0.0	406523.169	85.0225	ng/ml	100
T AR1268 2	10.545	0.0	129064.851	21.2100	ng/ml	100
T Aroclor-1268	11.221	0.0	256479.082	11.6284	ng/ml	
T AR1268 1 #2	11.163	0.0	24623.370	17.8426	ng/ml	100
T AR1268 3	11.336	0.0	601398.833	26.6762	ng/ml	100
T AR1268 2 #2	11.510	0.0	20159.555	11.1919	ng/ml	100
T AR1268 4	11.623	0.0	37192.623	2.0674	ng/ml	100
T AR1268 3 #2	12.207	0.0	31283.114	4.5056	ng/ml	100
T AR1268 5	12.378	0.0	108215.933	1.8379	ng/ml	100
T Aroclor-1268 #2	12.194	0.0	21742.920	3.1487	ng/ml	
T AR1268 4 #2	12.613	0.0	5277.778	0.9261	ng/ml	100

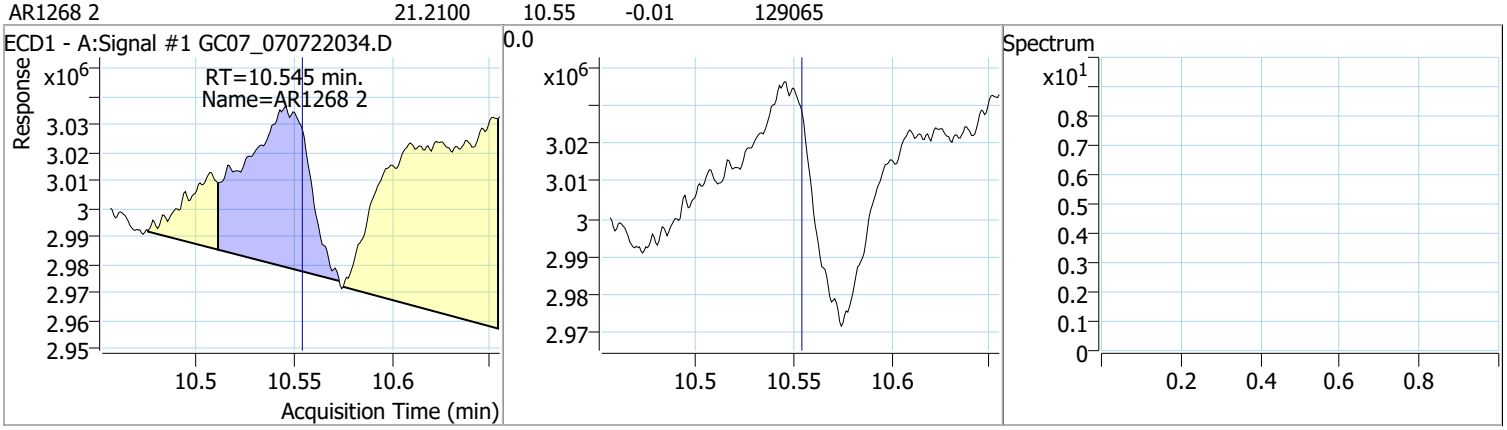
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1268 5 #2	13.475	0.0	27370.782	1.4634	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

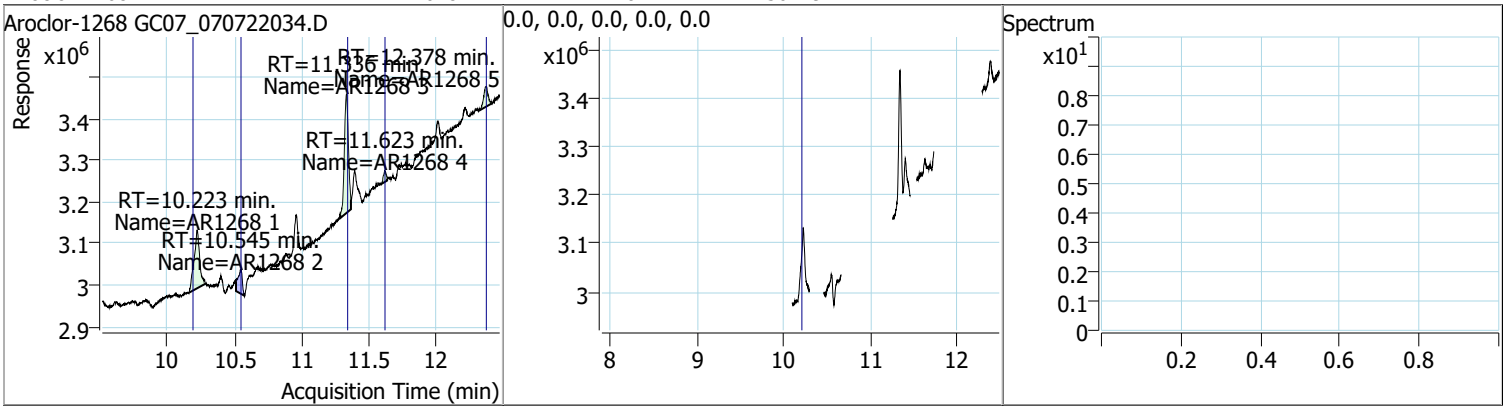
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1	85.0225	10.22	0.03	406523				



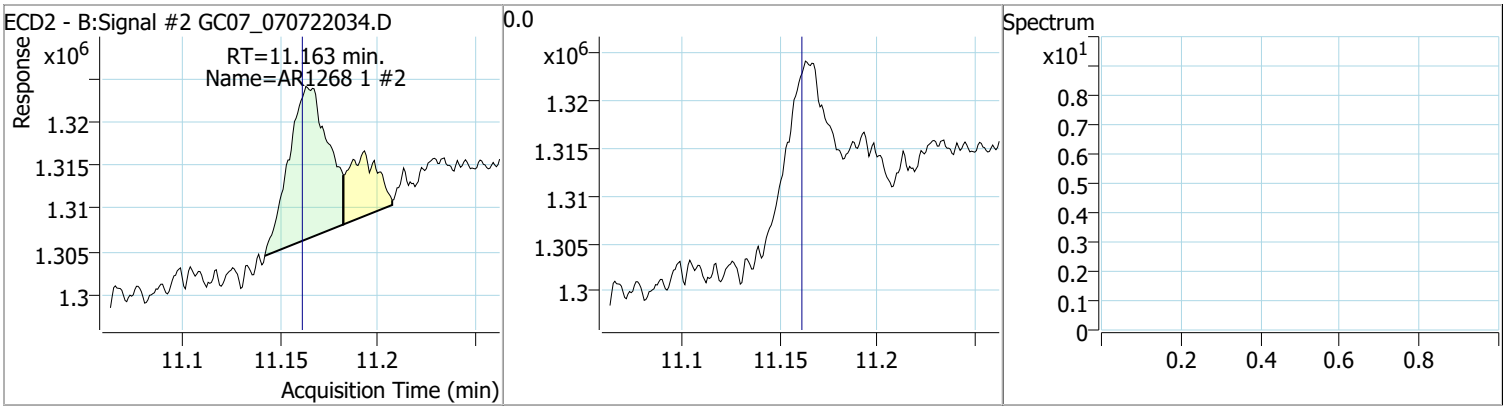
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2	21.2100	10.55	-0.01	129065				



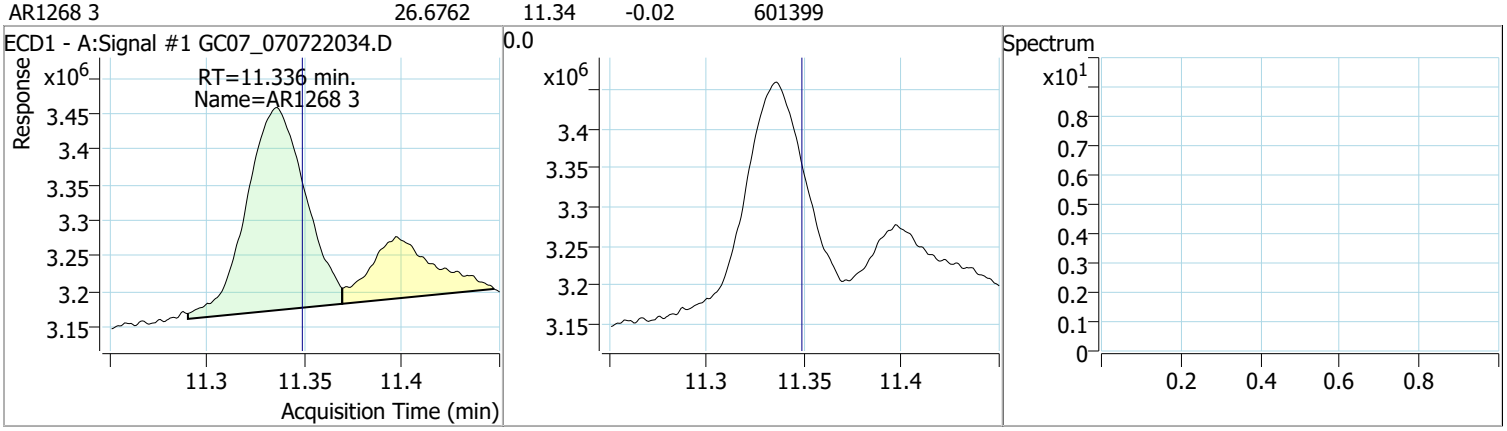
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268	11.6284	11.22	0.22	256479				



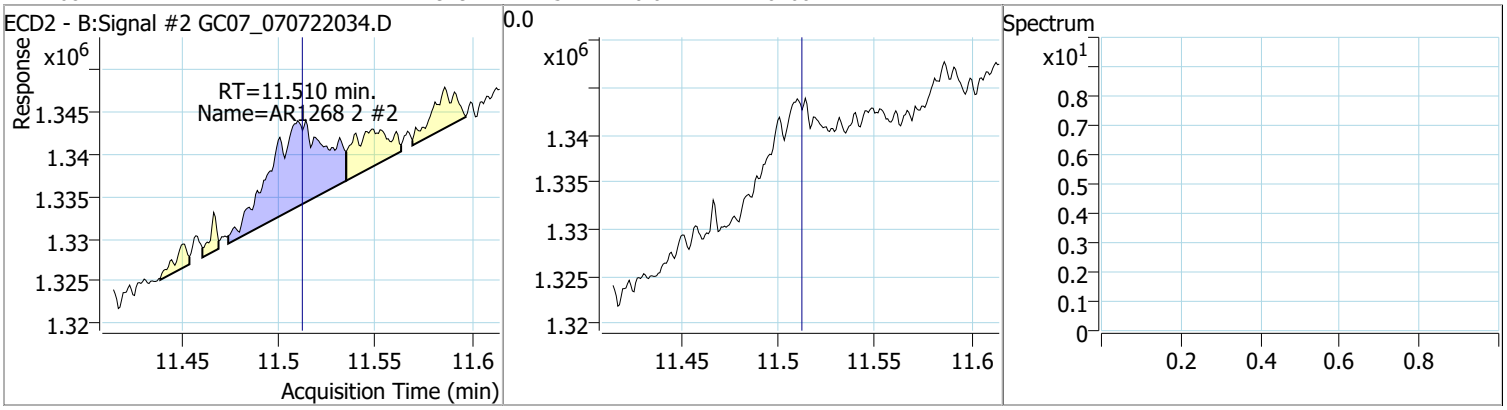
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1 #2	17.8426	11.16	0.00	24623				



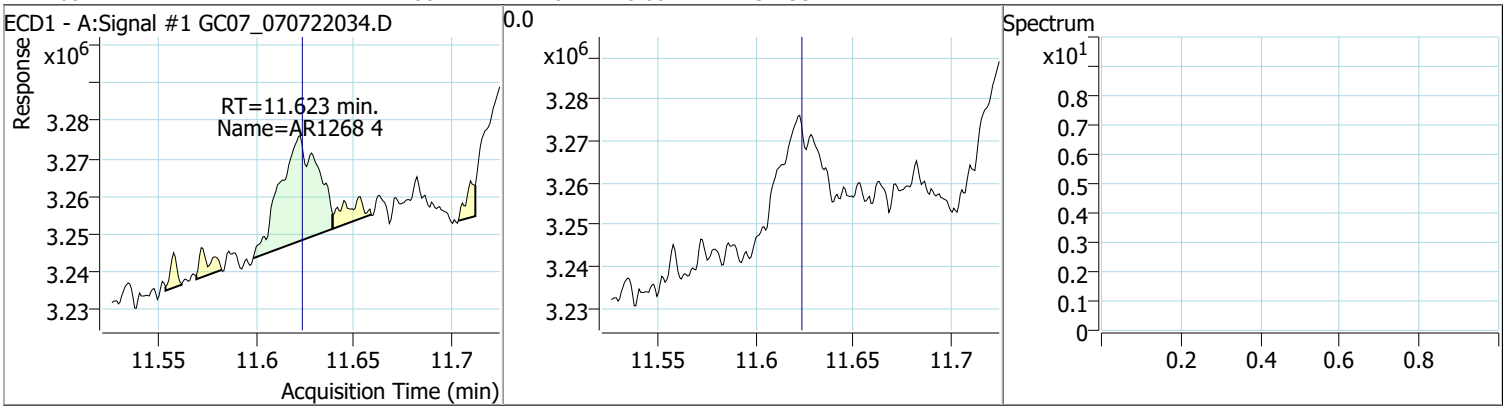
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3	26.6762	11.34	-0.02	601399				



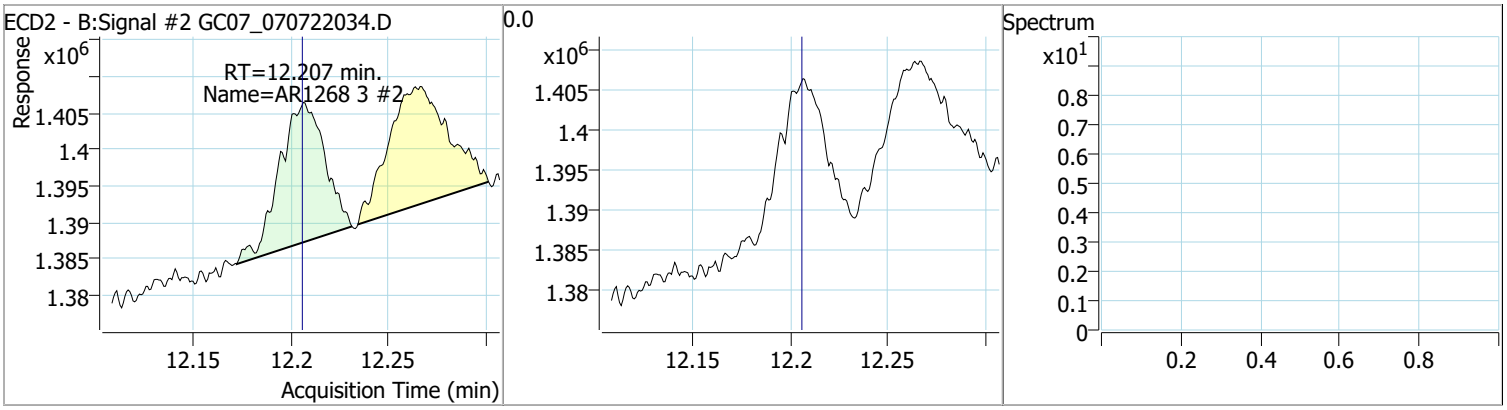
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2 #2	11.1919	11.51	-0.01	20160				



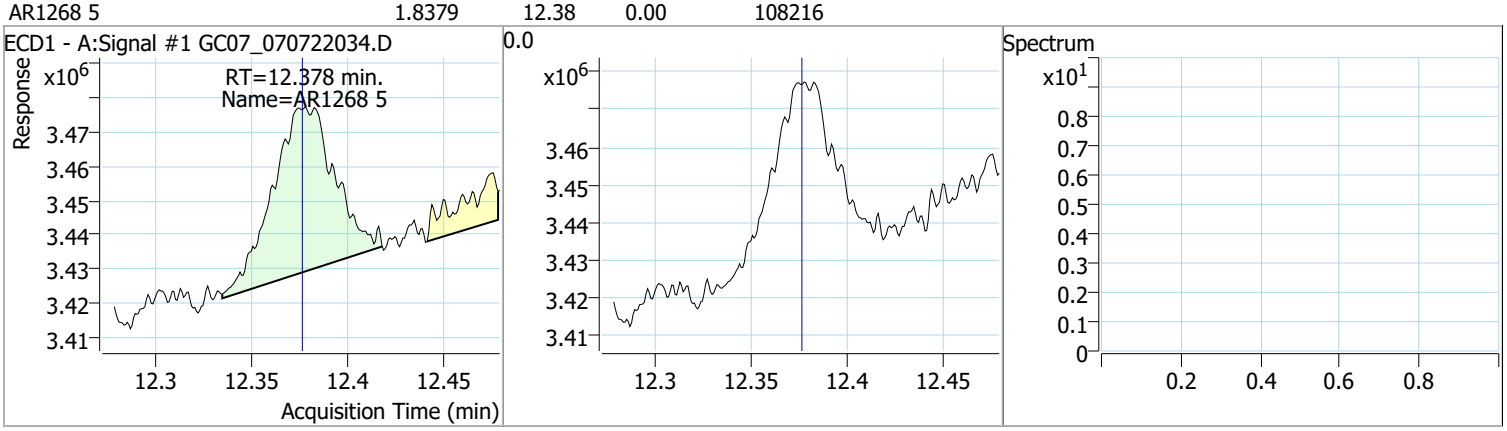
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4	2.0674	11.62	0.00	37193				



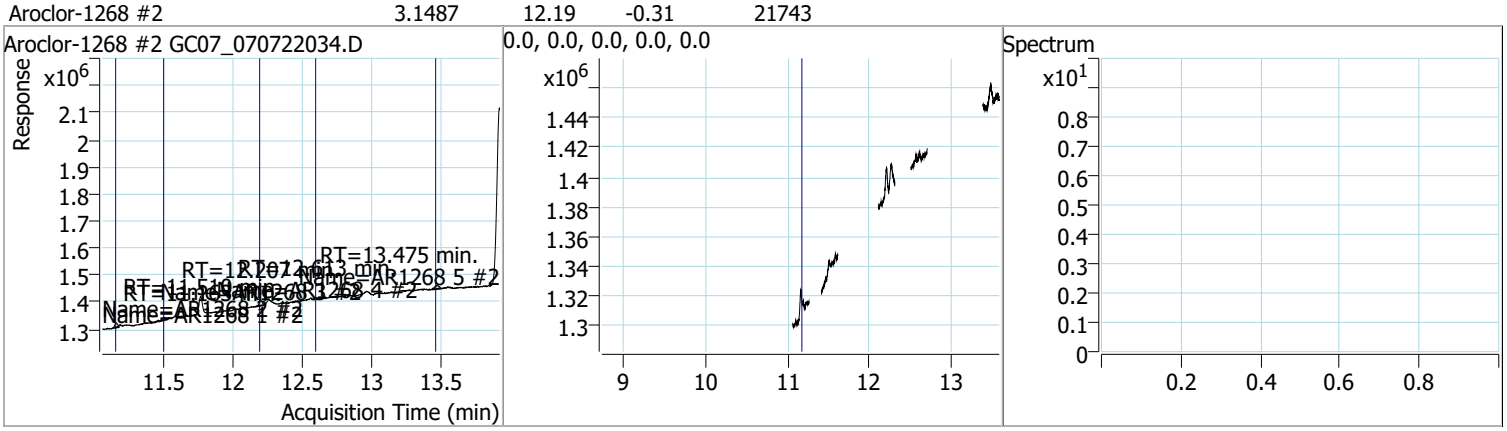
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3 #2	4.5056	12.21	0.00	31283				



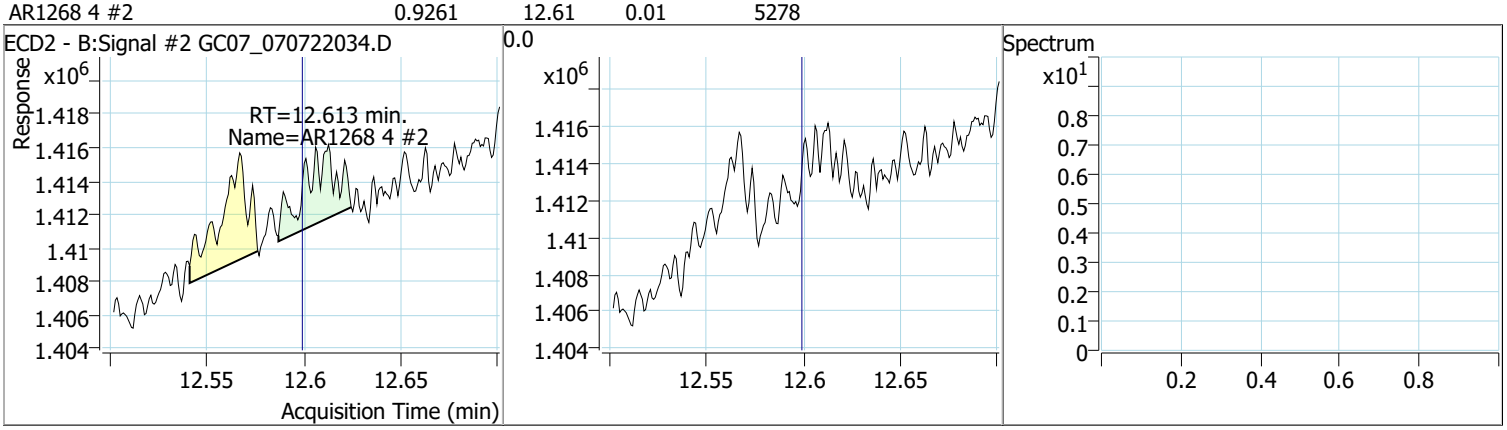
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5	1.8379	12.38	0.00	108216				



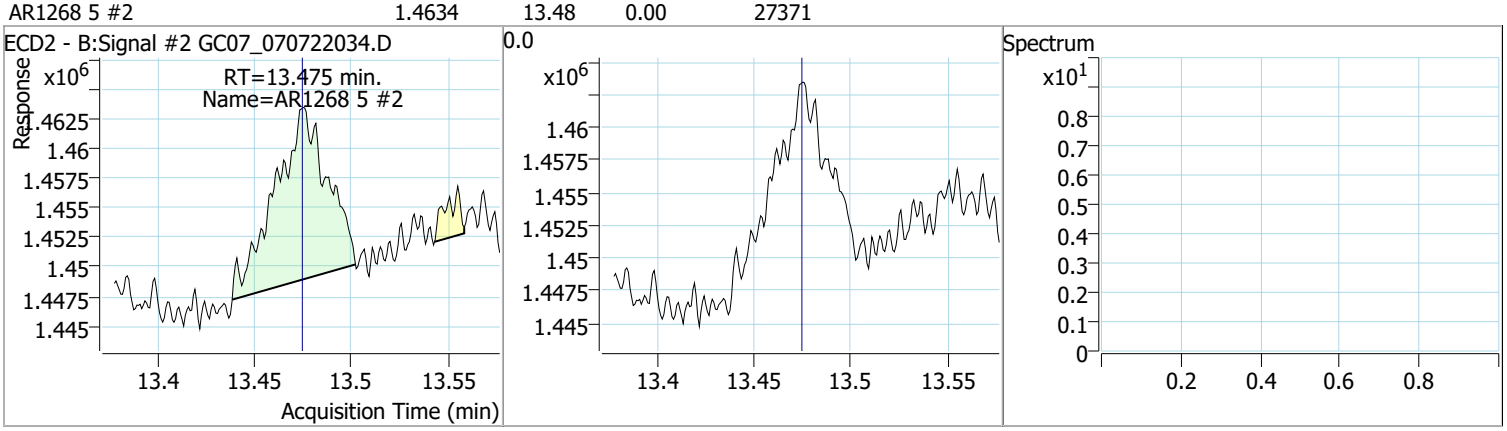
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268 #2	3.1487	12.19	-0.31	21743				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4 #2	0.9261	12.61	0.01	5278				

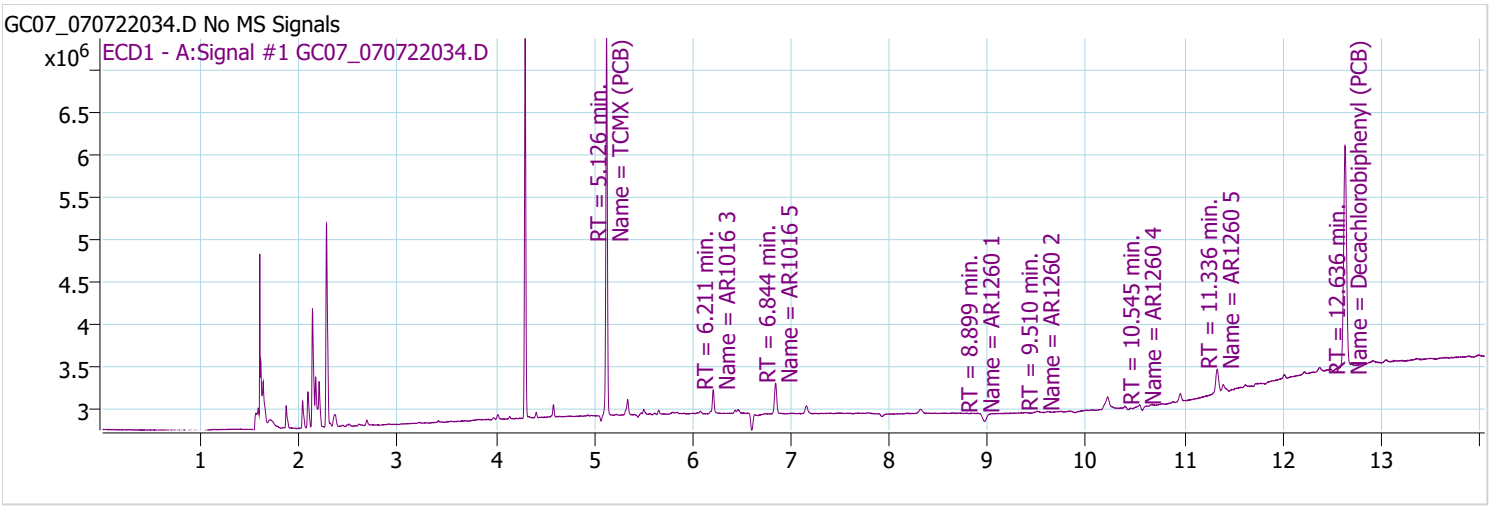


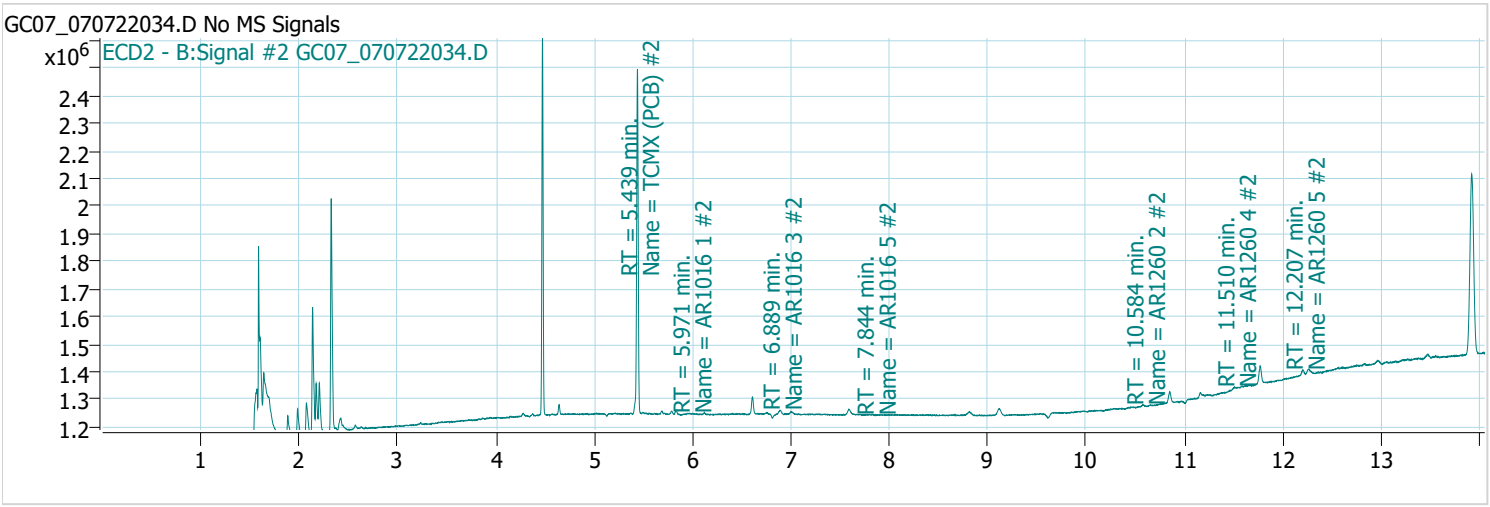
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5 #2	1.4634	13.48	0.00	27371				



Quantitation Results Report (Not Reviewed)

Data File	GC07_070722034.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/7/2022 9:07:07 PM
Sample Name	465031-001, 292307, 1	Instrument	SVOA-GC07
Vial	18	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_6.m	Comment	SOIL/10G-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	070722PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



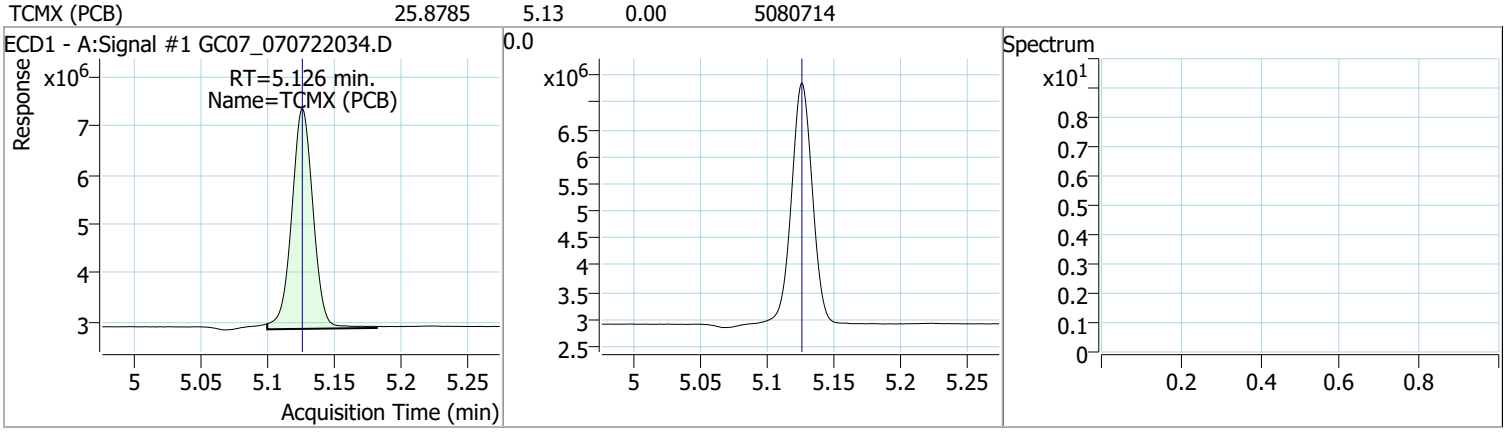


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.298	0.0	4162609.000	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.473	0.0	1216956.545	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.126	0.0	5080714.331	25.8785	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 129.39%		
S TCMX (PCB) #2	5.439	0.0	1390534.701	25.1777	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 125.89%		
S Decachlorobiphenyl (PCB)	12.636	0.0	5587703.268	24.0302	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 120.15%		
S Decachlorobiphenyl (PCB) #2	13.923	0.0	1749024.247	23.3401	ng/ml	-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 116.70%		
Target Compounds						QValue

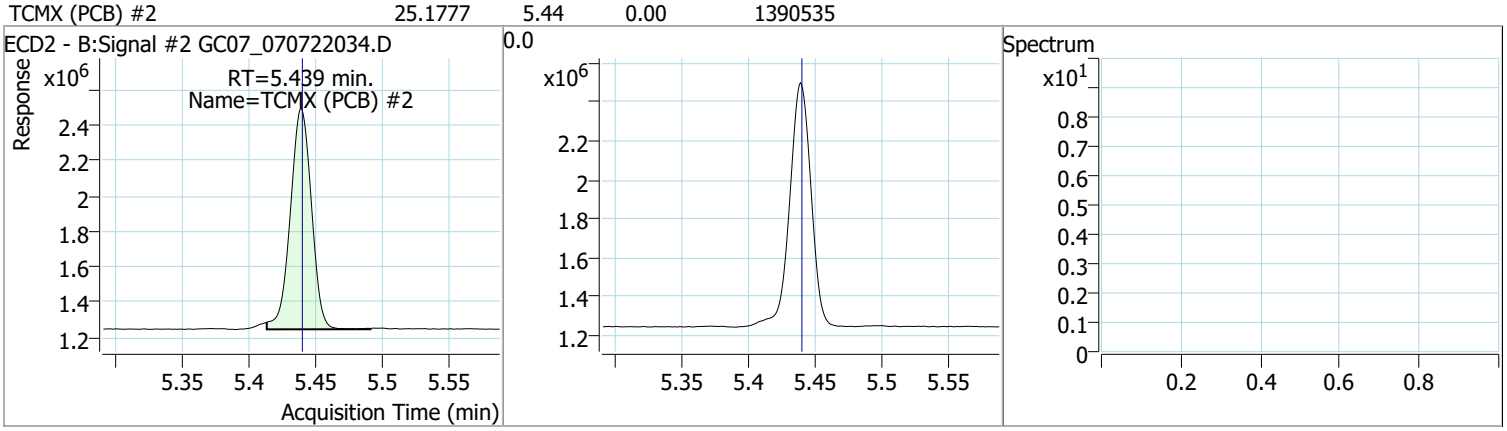
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.479	0.0	72950.017	18.2674	ng/ml	100
T AR1016 2	5.842	0.0	35731.822	4.1284	ng/ml	100
T AR1016 1 #2	5.971	0.0	18093.586	14.7638	ng/ml	100
T AR1016 3	6.211	0.0	367847.581	36.7022	ng/ml	100
T AR1016 2 #2	6.370	0.0	1863.733	0.6984	ng/ml	100
T AR1016 4	6.432	0.0	53034.944	7.3585	ng/ml	100
T AR1016 5	6.844	0.0	597841.816	99.5834	ng/ml	100
T AR1016 3 #2	6.889	0.0	89170.531	29.1300	ng/ml	100
T AR1016 4 #2	7.124	0.0	1854.614	0.8729	ng/ml	100
T AR1016 5 #2	7.844	0.0	732.082	0.4125	ng/ml	100
T AR1260 1	8.899	0.0	366123.053	28.8792	ng/ml	100
T AR1260 2	9.510	0.0	71371.200	3.9217	ng/ml	100
T AR1260 3	10.062	0.0	14219.005	0.7710	ng/ml	100
T AR1260 1 #2	10.294	0.0	23450.281	6.0845	ng/ml	100
T AR1260 4	10.545	0.0	205817.737	21.8306	ng/ml	100
T AR1260 2 #2	10.584	0.0	12434.432	2.9039	ng/ml	100
T AR1260 3 #2	11.104	0.0	34553.613	6.5561	ng/ml	100
T AR1260 5	11.336	0.0	619550.231	71.5770	ng/ml	100
T AR1260 4 #2	11.510	0.0	21738.348	7.3513	ng/ml	100
T AR1260 5 #2	12.207	0.0	37966.386	8.9346	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

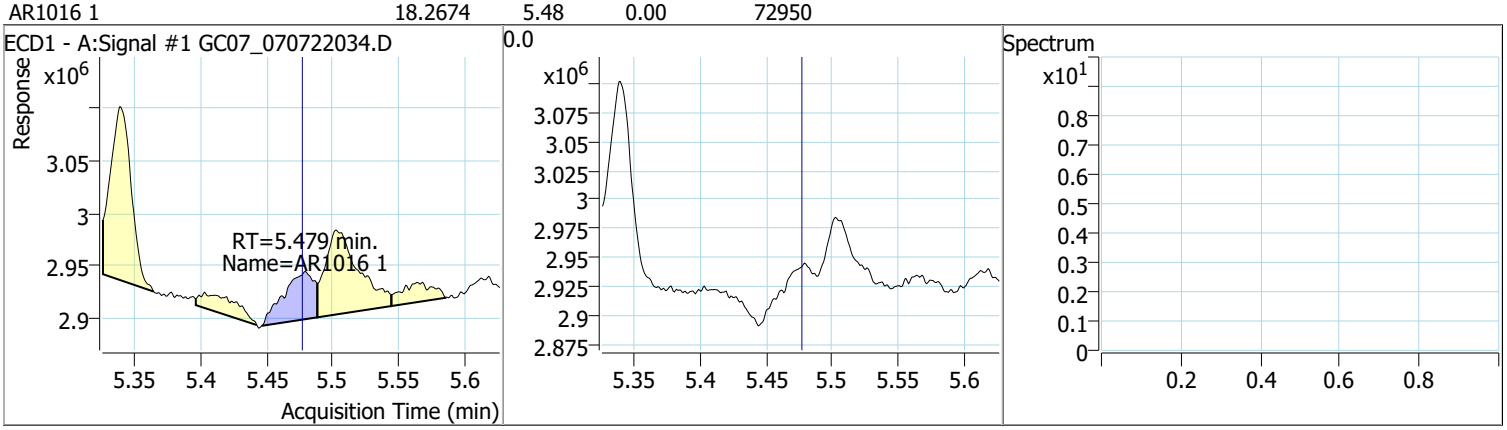
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	25.8785	5.13	0.00	5080714				



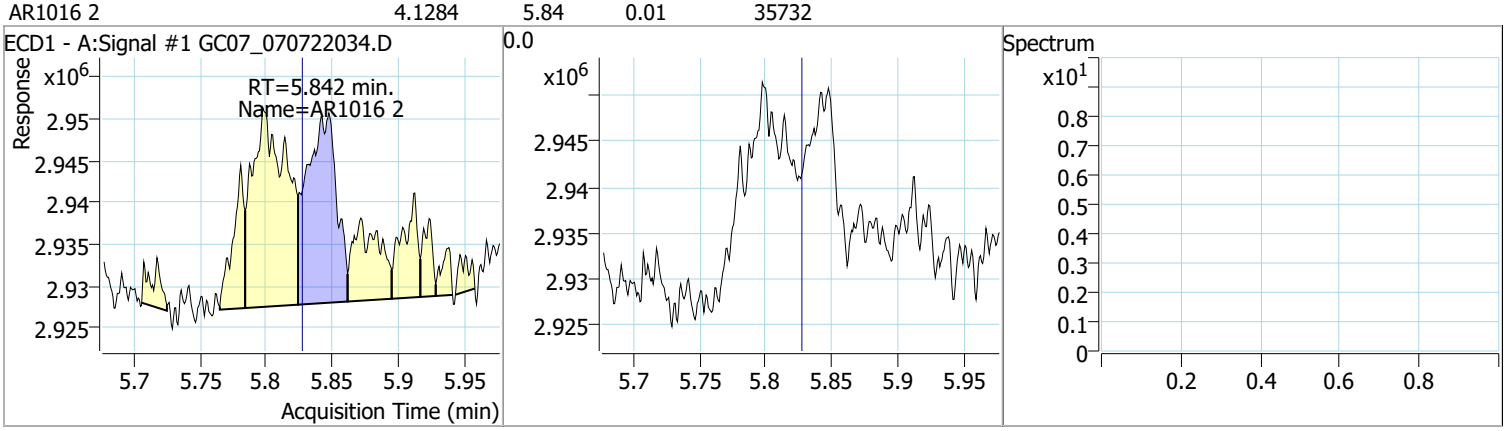
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	25.1777	5.44	0.00	1390535				



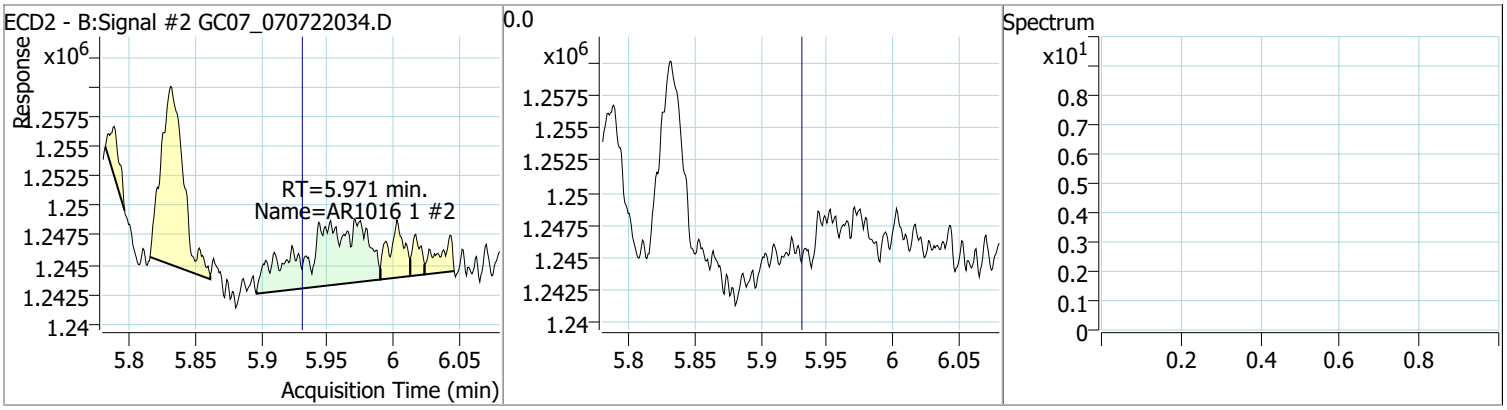
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	18.2674	5.48	0.00	72950				



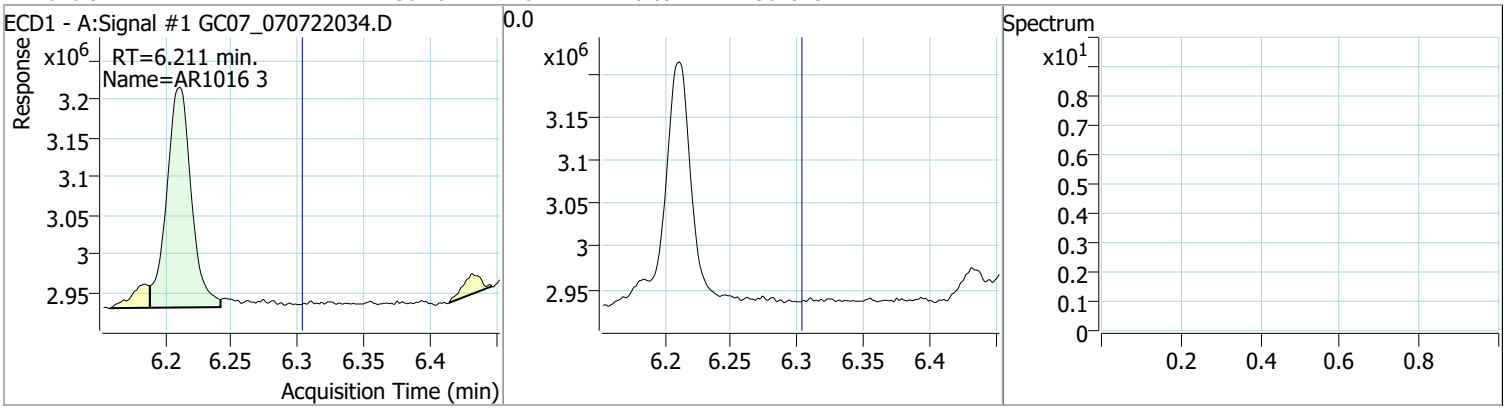
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	4.1284	5.84	0.01	35732				



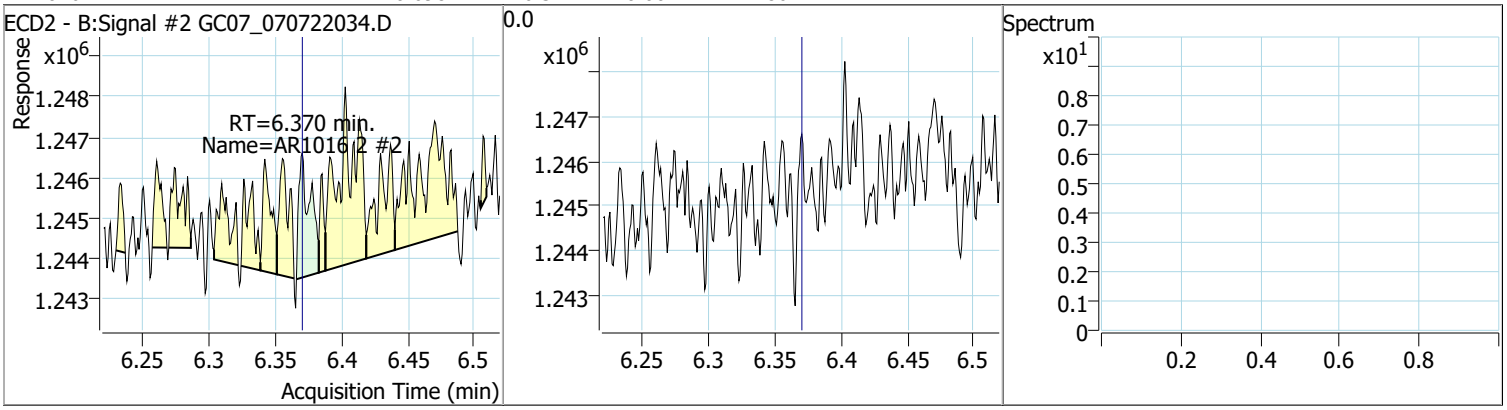
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	14.7638	5.97	0.04	18094				



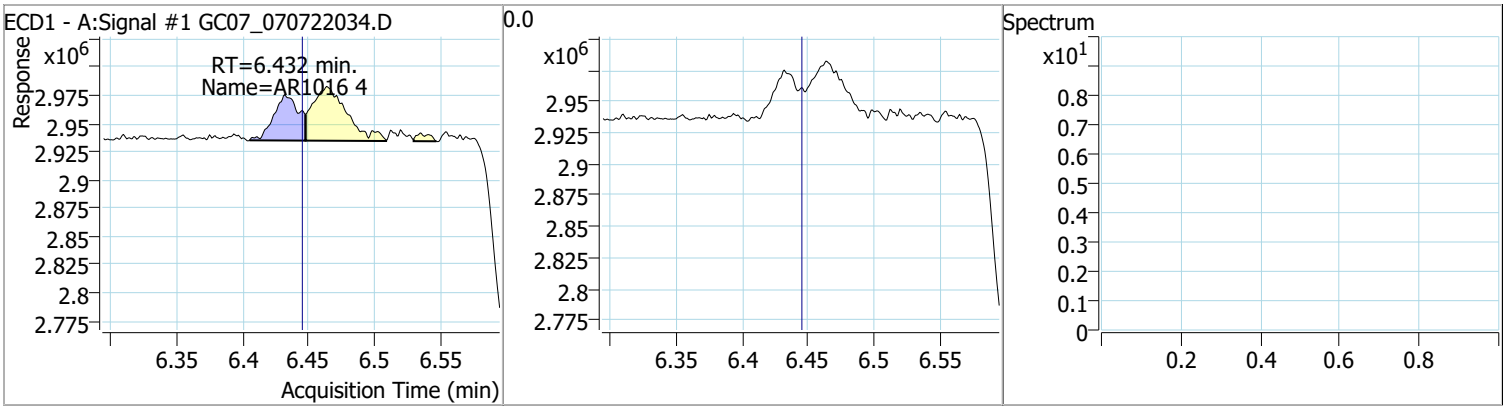
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	36.7022	6.21	-0.09	367848				



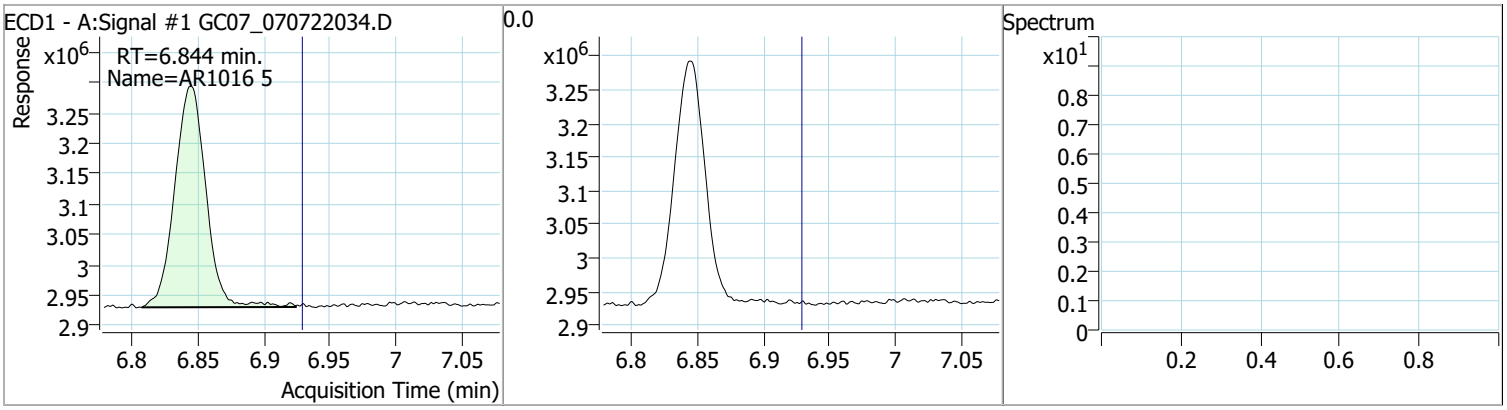
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	0.6984	6.37	0.00	1864				



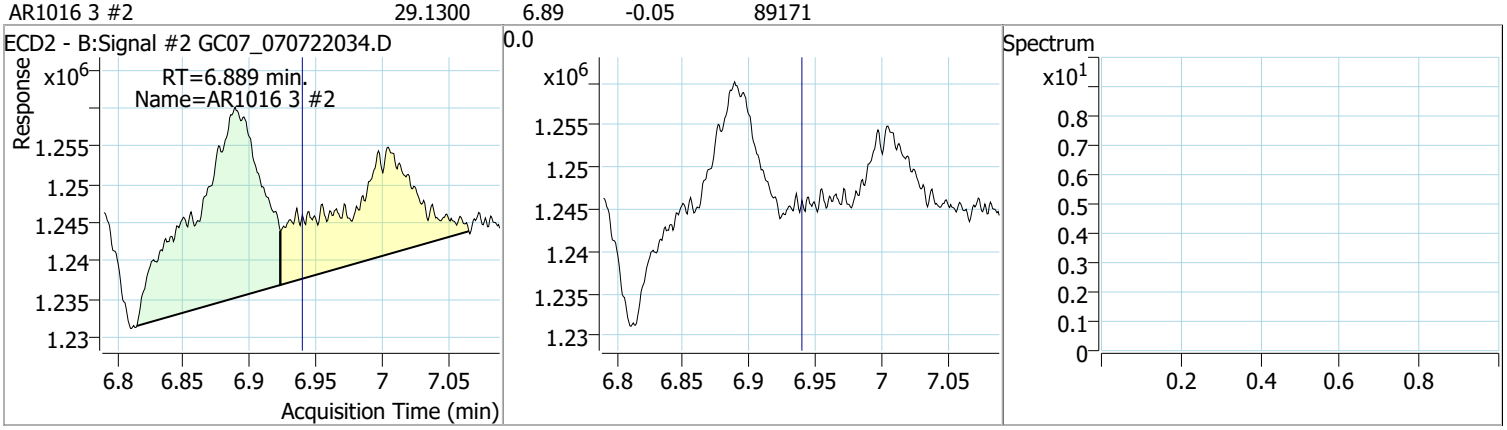
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	7.3585	6.43	-0.01	53035				



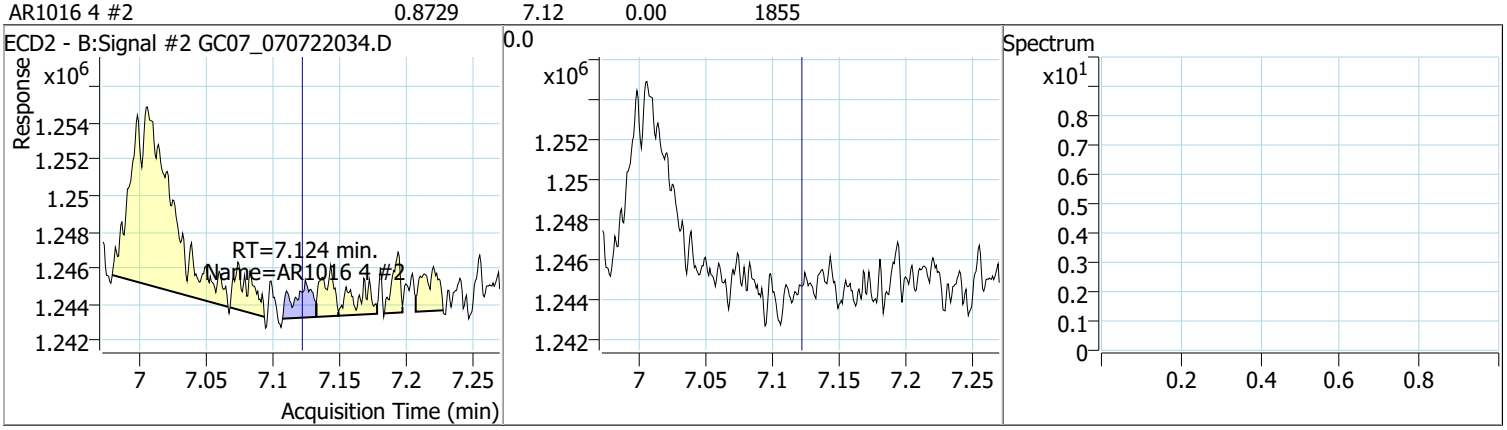
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	99.5834	6.84	-0.09	597842				



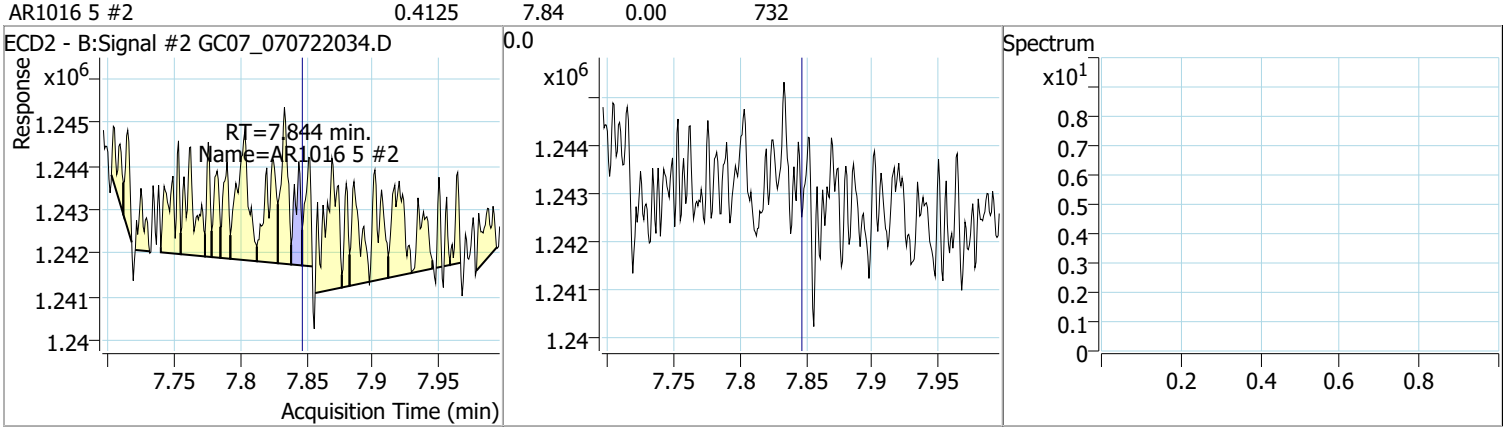
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	29.1300	6.89	-0.05	89171				



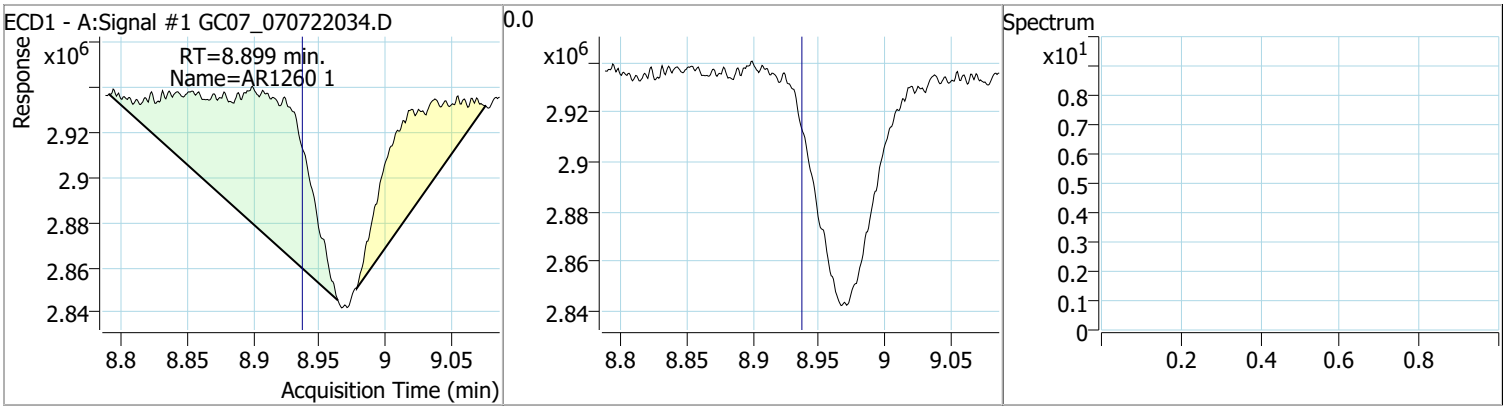
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.8729	7.12	0.00	1855				



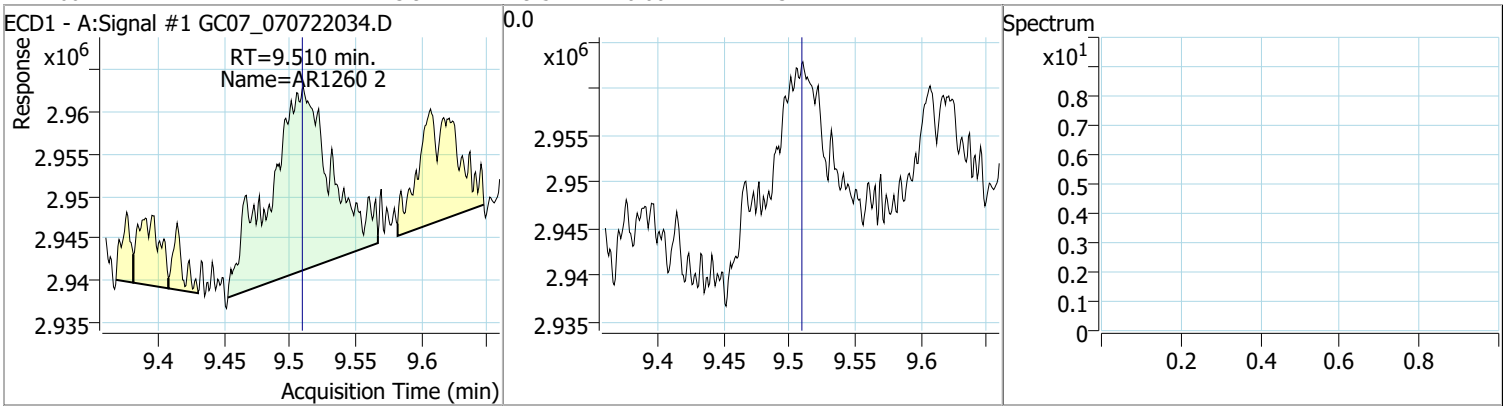
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.4125	7.84	0.00	732				



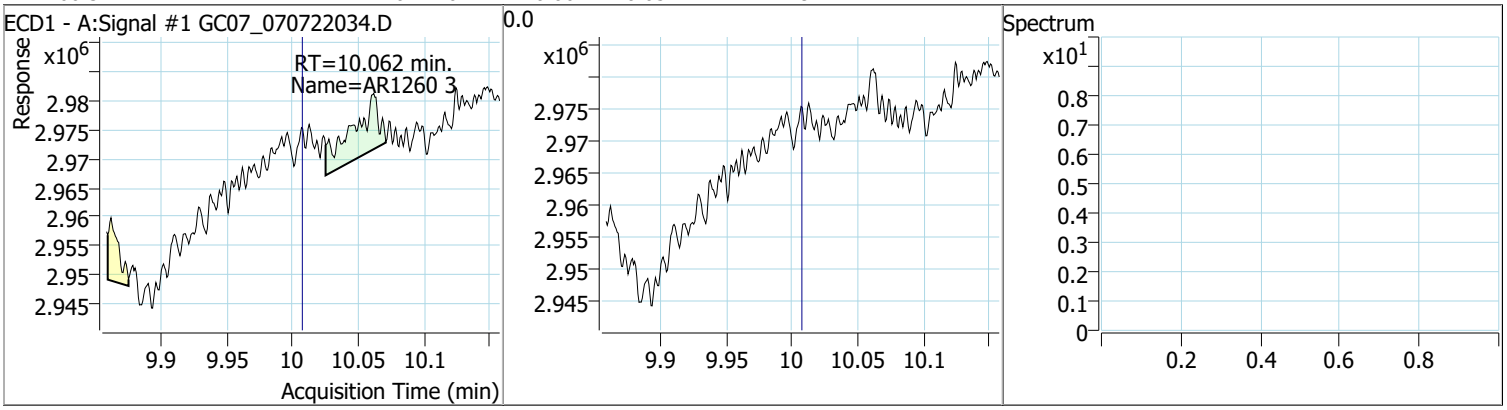
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	28.8792	8.90	-0.04	366123				



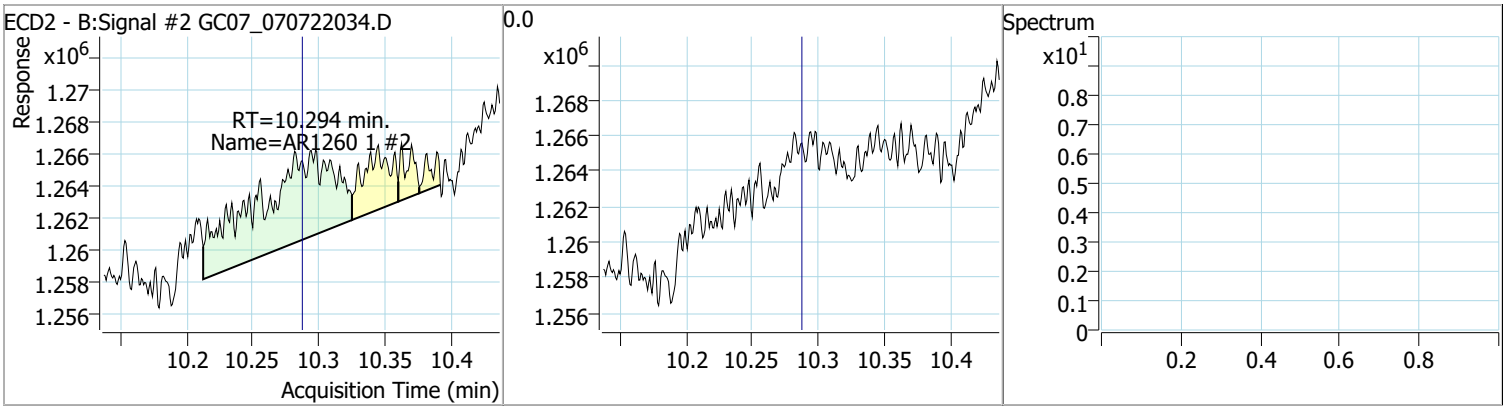
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	3.9217	9.51	0.00	71371				



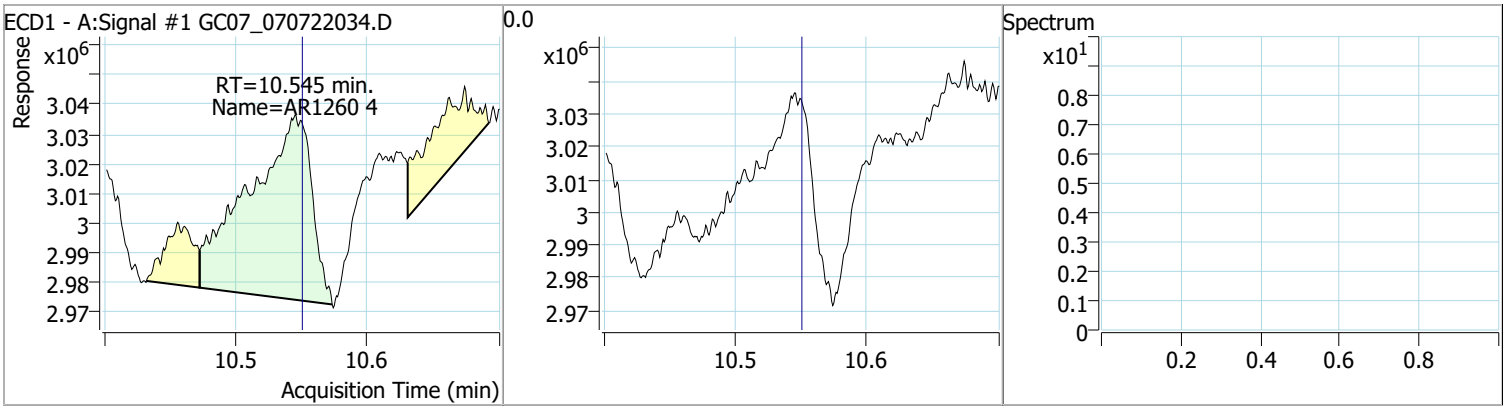
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	0.7710	10.06	0.05	14219				



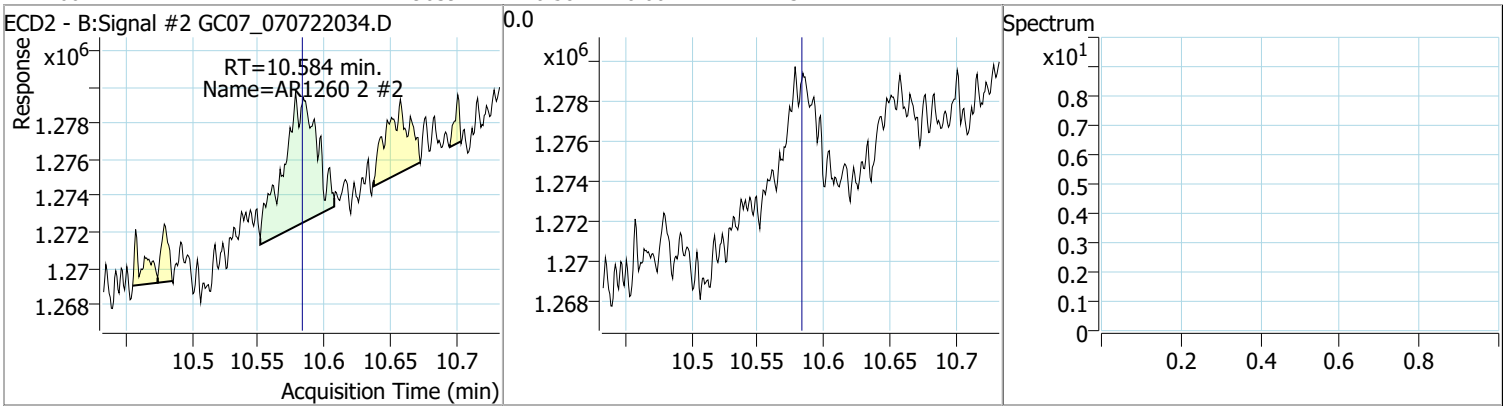
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	6.0845	10.29	0.01	23450				



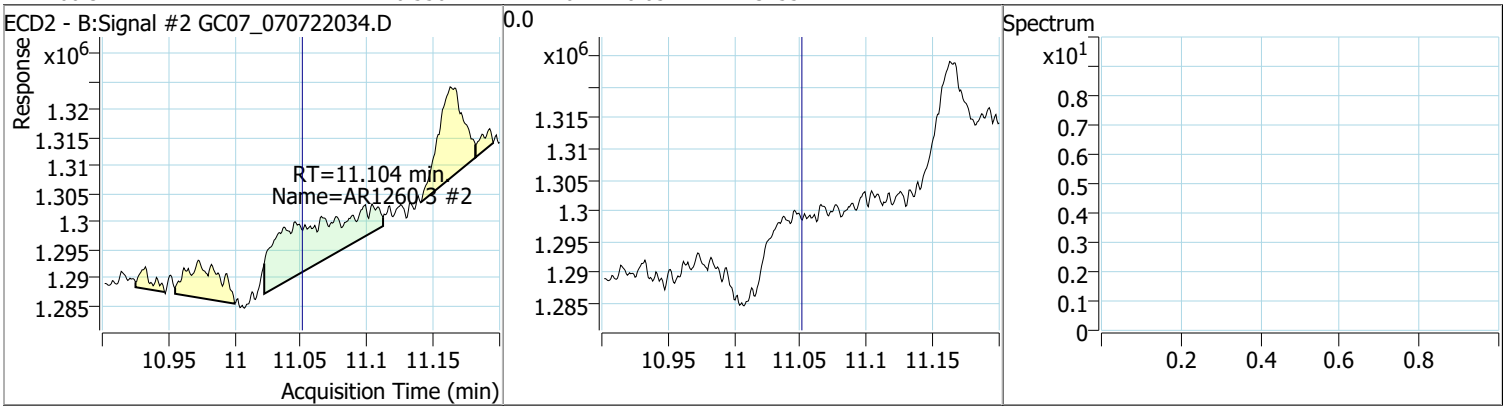
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	21.8306	10.55	-0.01	205818				



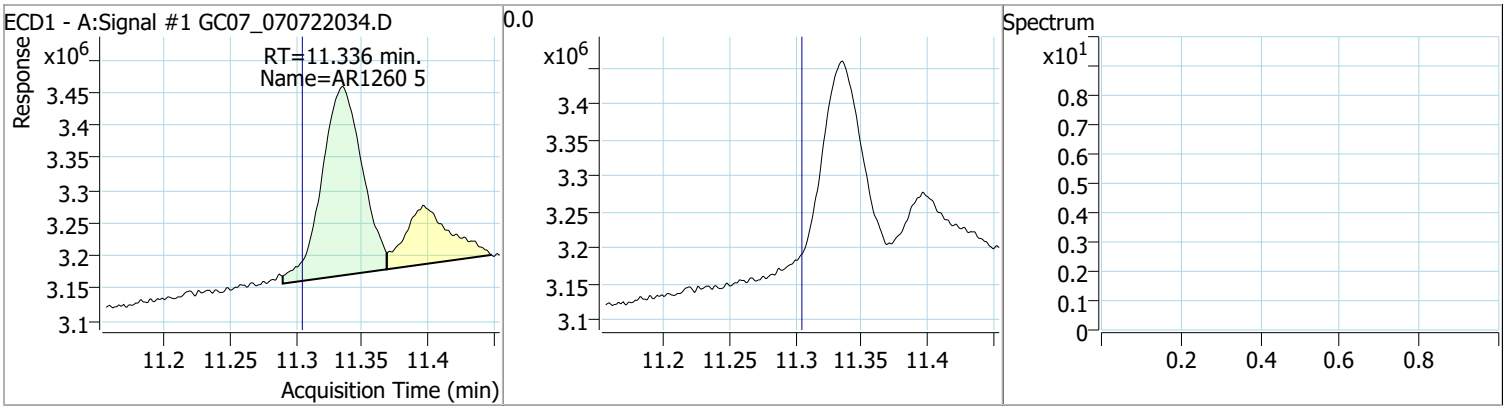
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	2.9039	10.58	0.00	12434				



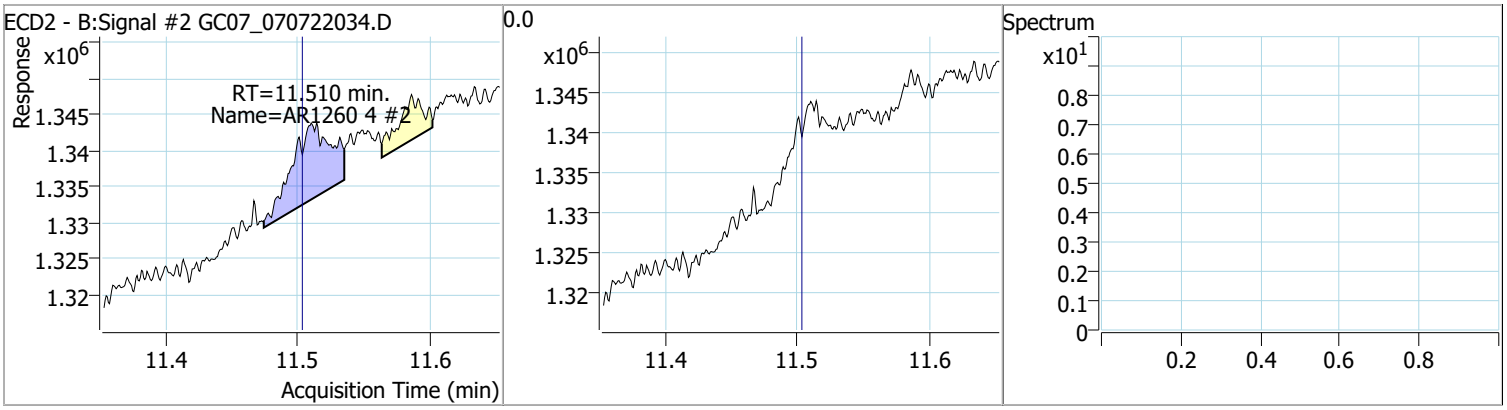
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	6.5561	11.10	0.05	34554				



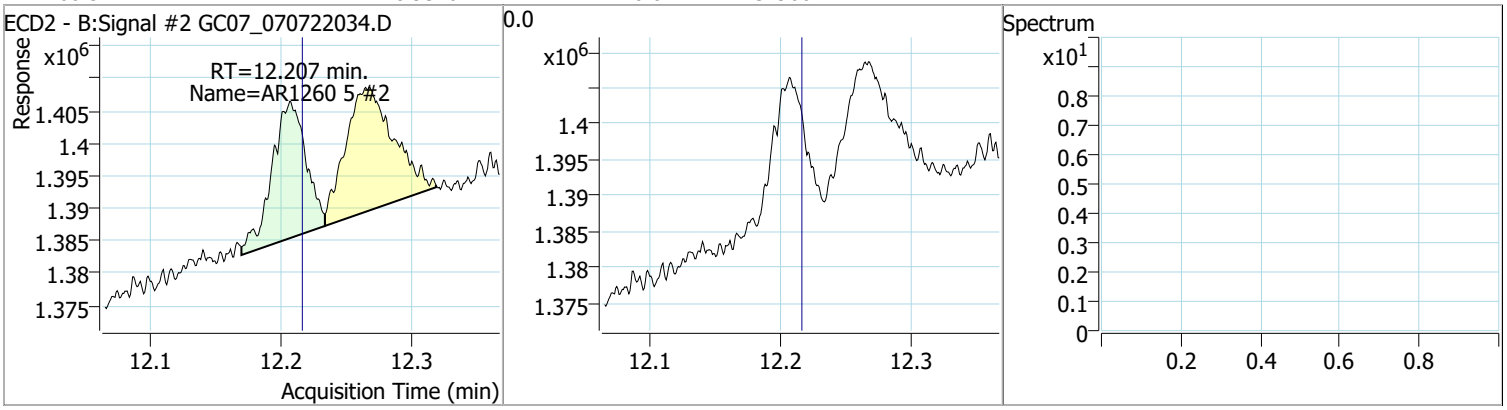
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	71.5770	11.34	0.03	619550				



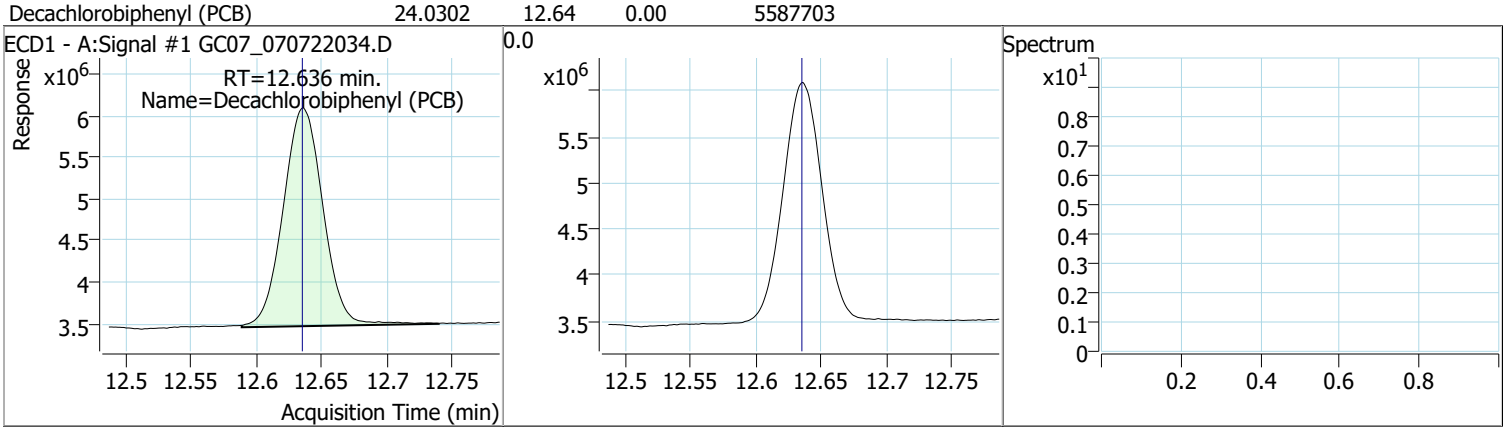
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	7.3513	11.51	0.01	21738				



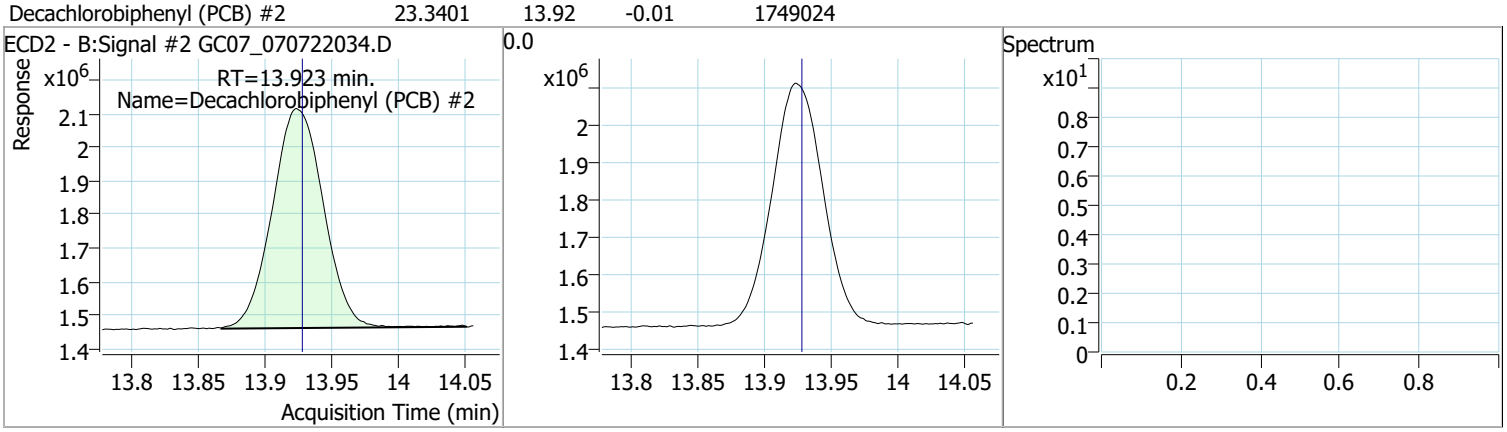
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	8.9346	12.21	-0.01	37966				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	24.0302	12.64	0.00	5587703				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	23.3401	13.92	-0.01	1749024				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	465031-003	Client ID:	DOOR-N-0.7GW-DG-11 TO 25-220628-P-LA
Seqnum:	462271307035.3	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_070722035	Batch:	292307	Time:	07-JUL-2022 21:24
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Cal	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	462252739001	10.72	ug/L	ND	0.65	101%	1.0		u
Aroclor-1016 Peak # 1	B	462252739001	2.173	ug/L	0.04	0.86	181%			
Aroclor-1016 Peak # 2	B	462252739001	0.1786	ug/L	0.00	0.08	183%			
Aroclor-1016 Peak # 3	B	462252739001	49.32	ug/L	0.99	0.42	80%			
Aroclor-1016 Peak # 4	B	462252739001	0.6373	ug/L	0.01	0.16	170%			
Aroclor-1016 Peak # 5	B	462252739001	1.308	ug/L	0.03	1.73	194%			
Aroclor-1221	B				ND			1.0		u
Aroclor-1232	B				ND			1.0		u
Aroclor-1242	B				ND			1.0		u
Aroclor-1248	B				ND			1.0		u
Aroclor-1254	B				ND			1.0		u
Aroclor-1260	B	462252739001	3.181	ug/L	ND	1.7	186%	1.0		u
Aroclor-1260 Peak # 1	B	462252739001	4.684	ug/L	0.09	0.42	127%			
Aroclor-1260 Peak # 2	B	462252739001	1.417	ug/L	0.03	0.05	63%			
Aroclor-1260 Peak # 3	B	462252739001	3.211	ug/L	0.06	0.17	91%			
Aroclor-1260 Peak # 4	B	462252739001	0	ug/L	ND	0.31				
Aroclor-1260 Peak # 5	B	462252739001	6.595	ug/L	0.13	7.77	193%			
Aroclor-1268	B	462271307001	8.831	ug/L	ND	0.67	117%	1.0		?v u
Aroclor-1268 Peak # 1	B	462271307001	20.32	ug/L	0.41	1.10	92%			
Aroclor-1268 Peak # 2	B	462271307001	7.039	ug/L	0.14	0.35	85%			
Aroclor-1268 Peak # 3	B	462271307001	3.812	ug/L	0.08	1.68	183%			
Aroclor-1268 Peak # 4	B	462271307001	2.344	ug/L	0.05	0.13	93%			
Aroclor-1268 Peak # 5	B	462271307001	10.64	ug/L	0.21	0.09	84%			

Surrogate	Ch	Cal	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	462252739001	33.17	pg/uL	1.000	0.6633	66	52-186	u
Decachlorobiphenyl (PCB)	B	462252739001	32.33	pg/uL	1.000	0.6467	65	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070722011)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1232125	1247970	1.29
1-bromo-2-nitrobenzene (PCB)	A	4377739	4286795	-2.08

ISTD (ICAL gc07_070722016)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1268)	B	1258225	1245130	-1.04
1-bromo-2-nitrobenzene (1268)	A	4484014	4338375	-3.25

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070722011)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.30	4.30	0.00

ISTD (ICAL gc07_070722016)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1268)	B	4.48	4.47	-0.01
1-bromo-2-nitrobenzene (1268)	A	4.30	4.30	0.00

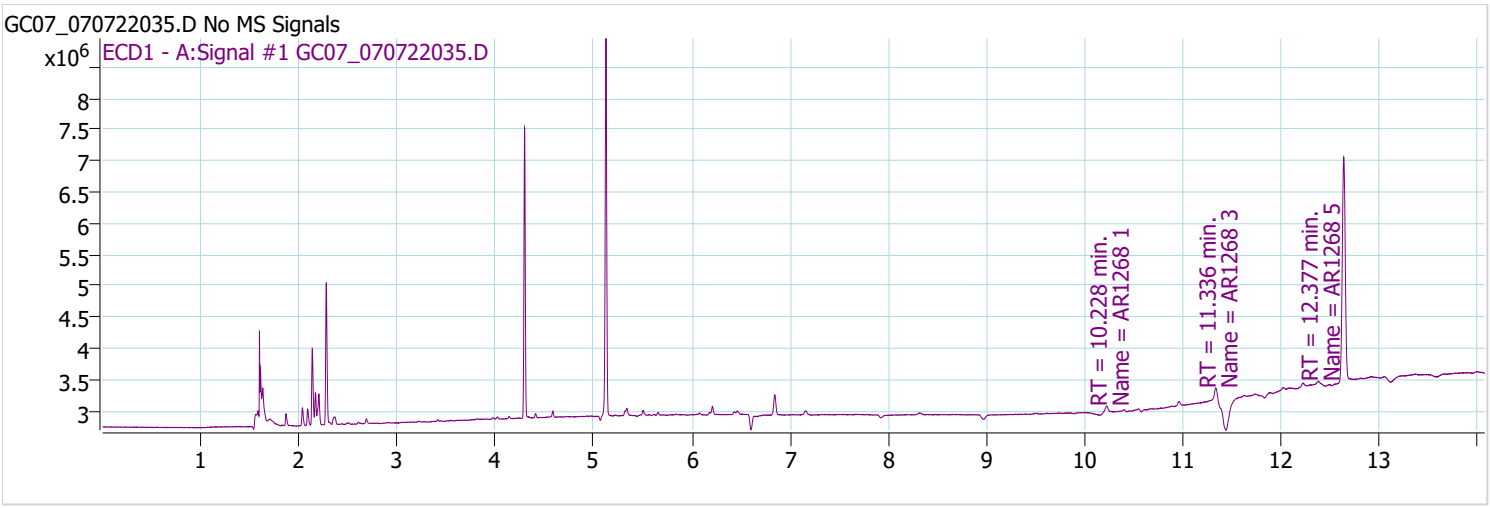
?=missing u=use v=ICV out

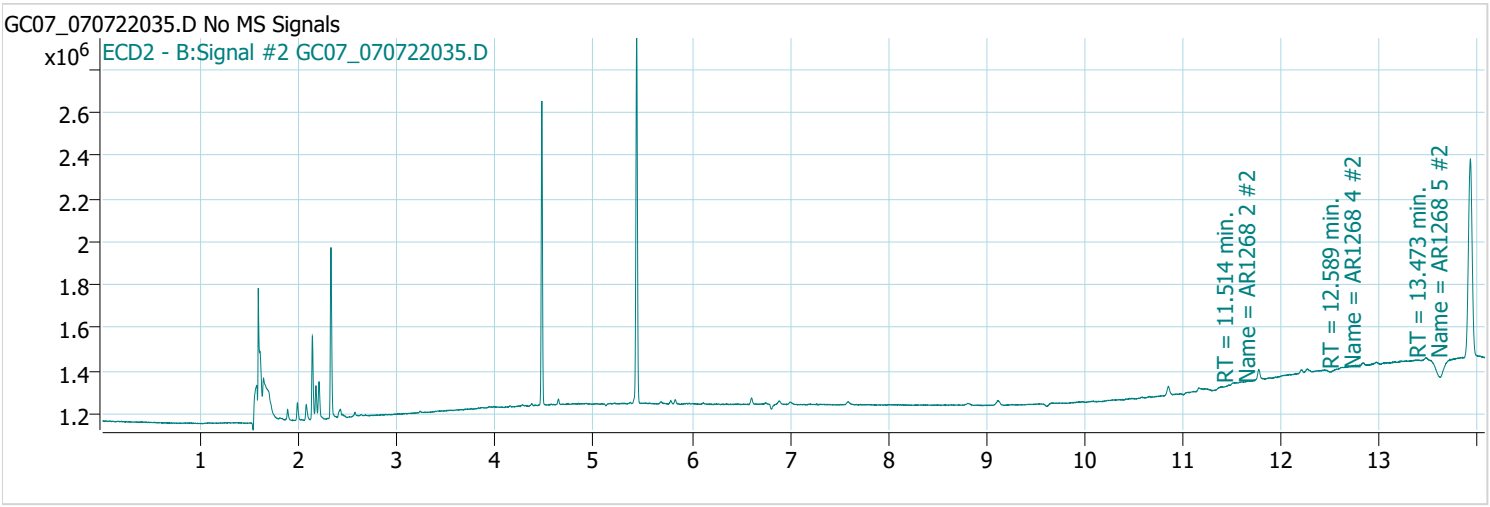
Analyst: TRN 07/08/22 *

Reviewer: LW 07/08/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC07_070722035.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/7/2022 9:24:44 PM
Sample Name	465031-003, 292307, 1	Instrument	SVOA-GC07
Vial	19	Multiplier	1.00
DA Method File	PCB_AR1268_070822_GC07_1.m	Comment	SOIL/10G-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	070822AR1268.batch.bin	Last Calib Update	7/8/2022 7:16:21 PM
Ref Library			



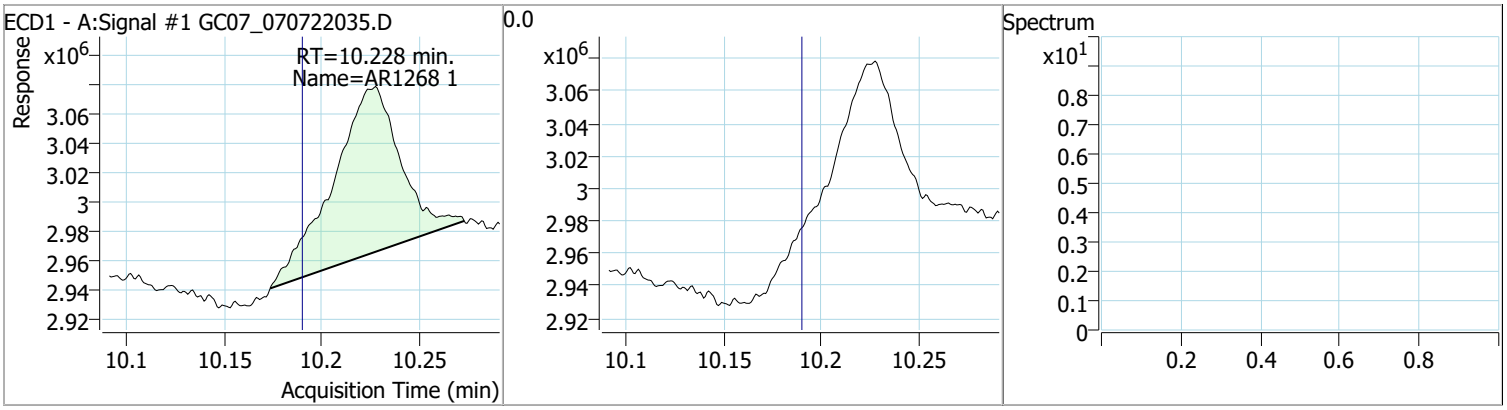


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (1268)	4.298	0.0	4338375.386	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (1268) #2	4.473	0.0	1245130.257	20.0000	ng/ml	-0.002
System Monitoring Compounds						
Target Compounds						**QValue**
T AR1268 1	10.228	0.0	271787.980	55.1331	ng/ml	100
T AR1268 2	10.548	0.0	109499.909	17.4534	ng/ml	100
T Aroclor-1268	11.222	0.0	544208.625	23.9313	ng/ml	
T AR1268 1 #2	11.163	0.0	28908.237	20.3191	ng/ml	100
T AR1268 3	11.336	0.0	1956448.536	84.1712	ng/ml	100
T AR1268 2 #2	11.514	0.0	13072.063	7.0395	ng/ml	100
T AR1268 4	11.623	0.0	119080.998	6.4203	ng/ml	100
T AR1268 3 #2	12.211	0.0	27285.452	3.8119	ng/ml	100
T AR1268 5	12.377	0.0	264225.703	4.3524	ng/ml	100
T Aroclor-1268 #2	12.190	0.0	57634.629	8.0958	ng/ml	

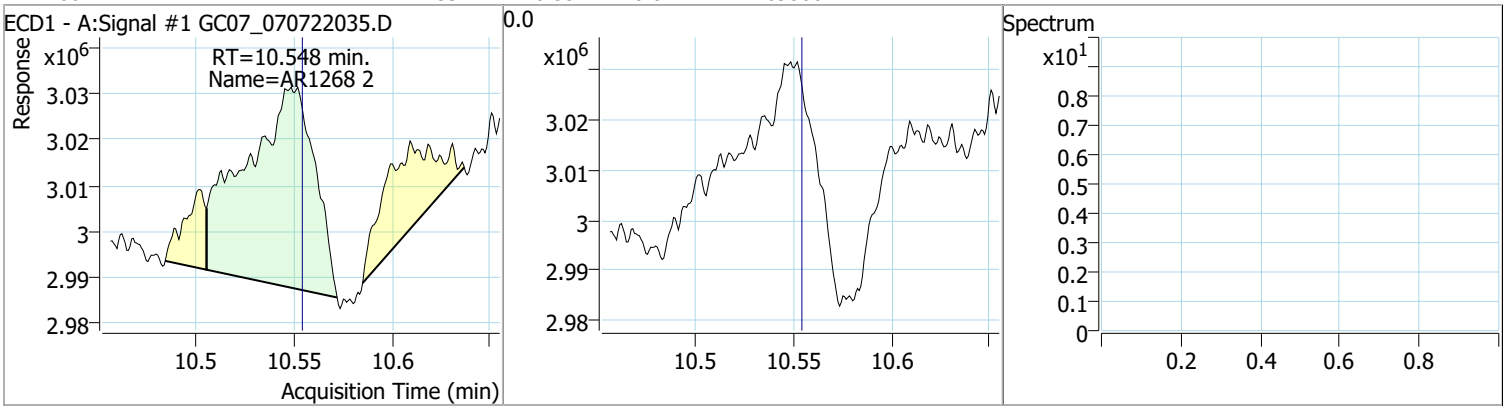
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1268 4 #2	12.589	0.0	13768.443	2.3436	ng/ml	100
T AR1268 5 #2	13.473	0.0	205138.950	10.6386	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

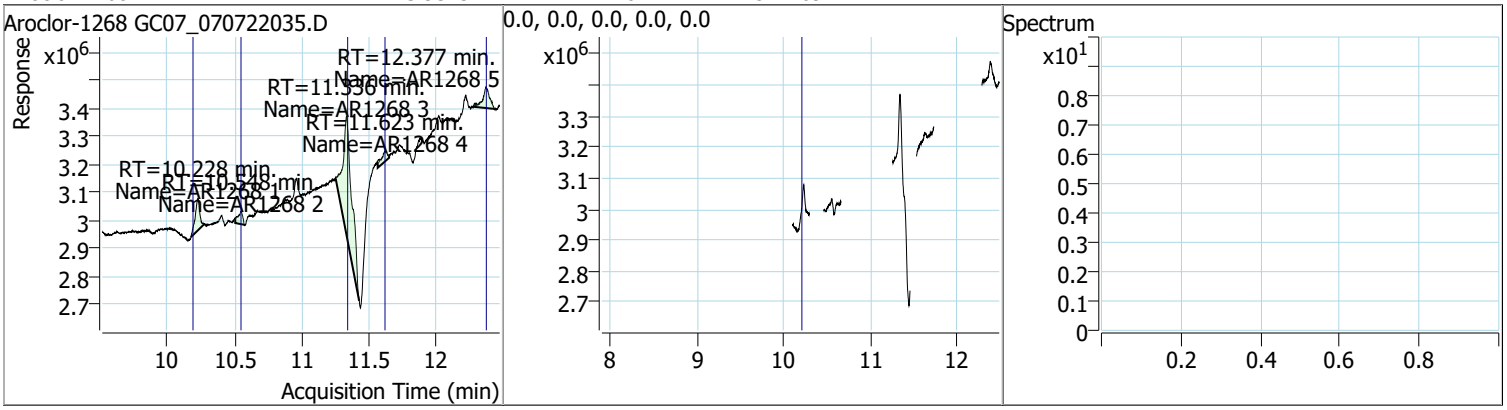
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1	55.1331	10.23	0.03	271788				



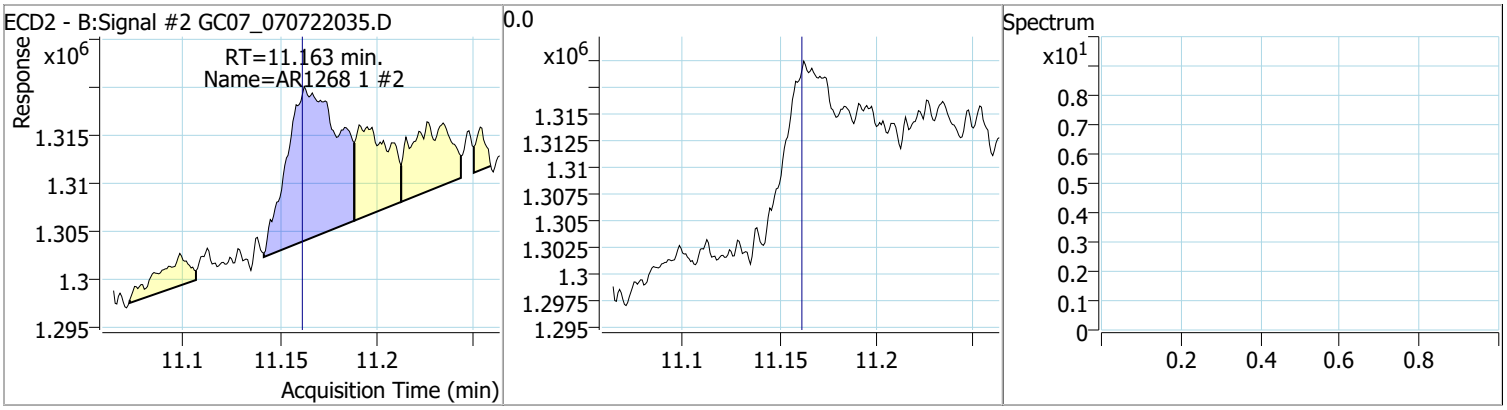
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2	17.4534	10.55	-0.01	109500				



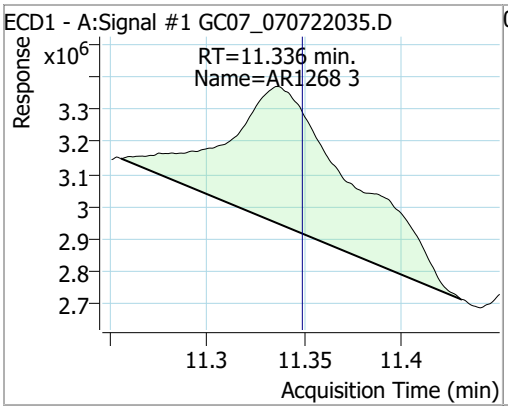
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268	23.9313	11.22	0.22	544209				

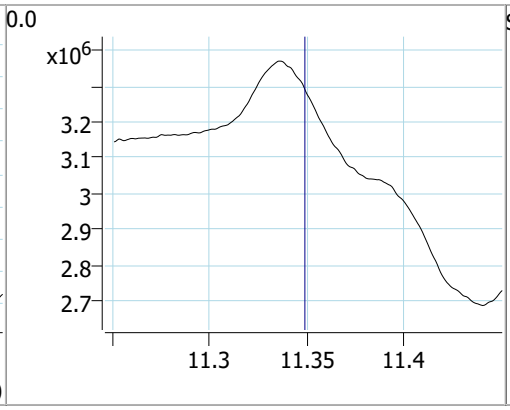


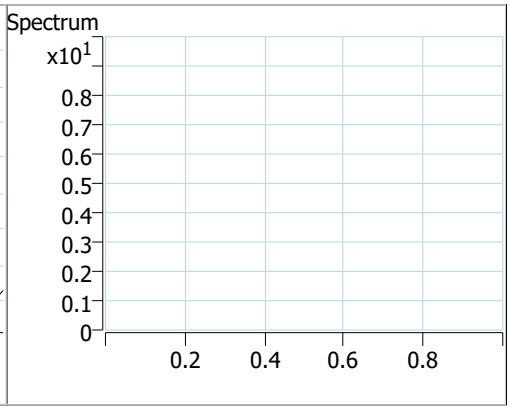
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1 #2	20.3191	11.16	0.00	28908				



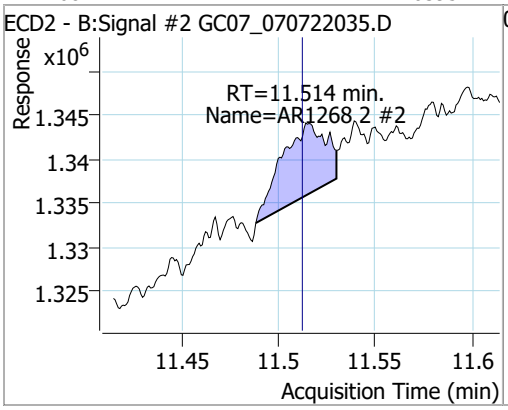
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3	84.1712	11.34	-0.02	1956449				

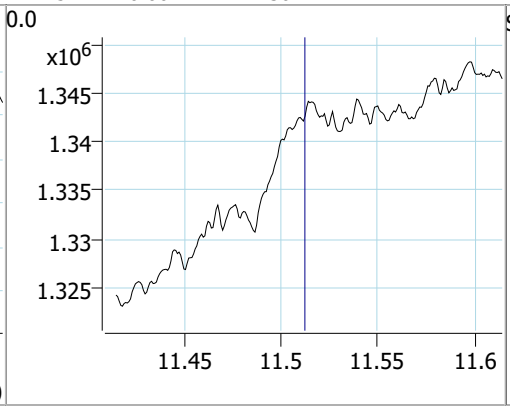


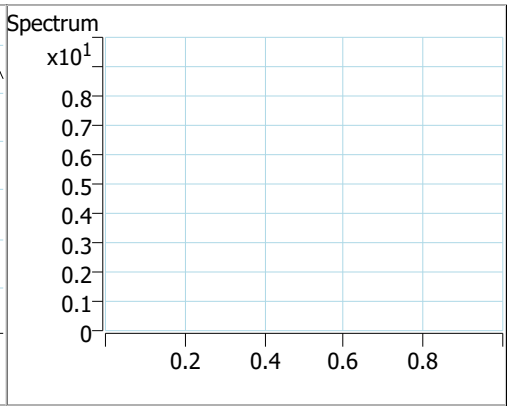




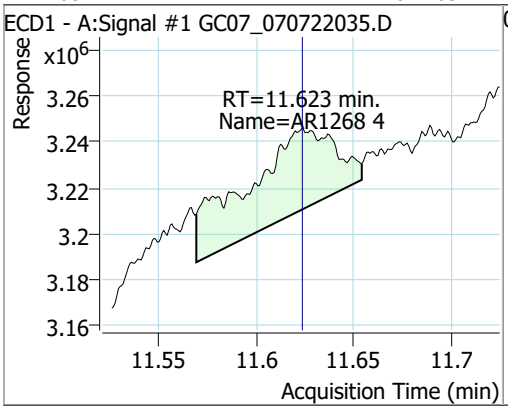
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2 #2	7.0395	11.51	0.00	13072				

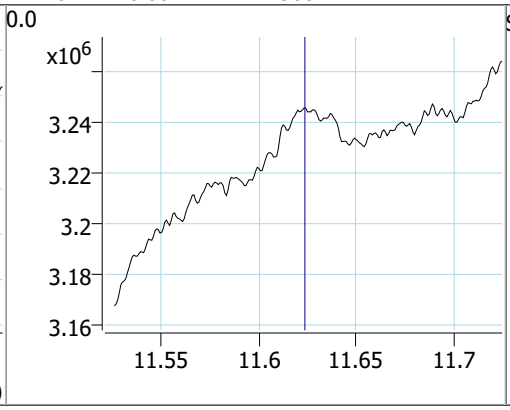


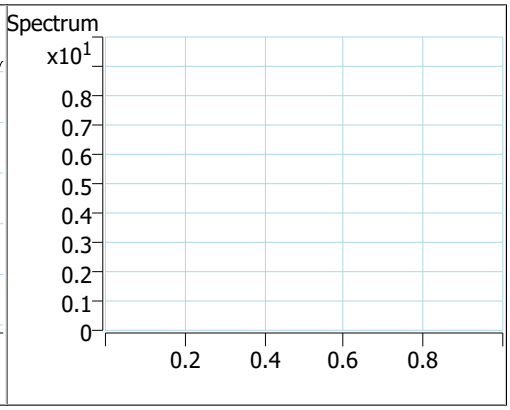




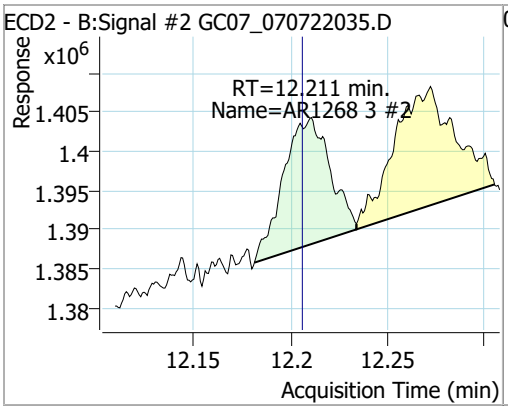
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4	6.4203	11.62	0.00	119081				

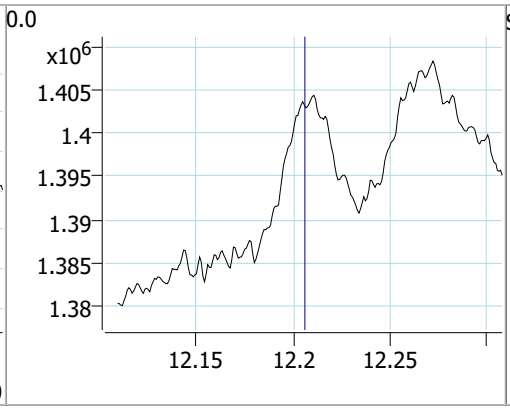


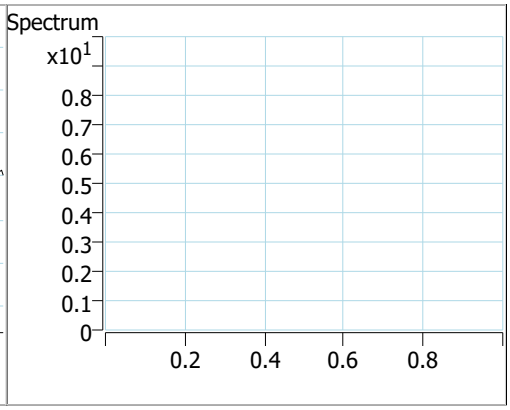




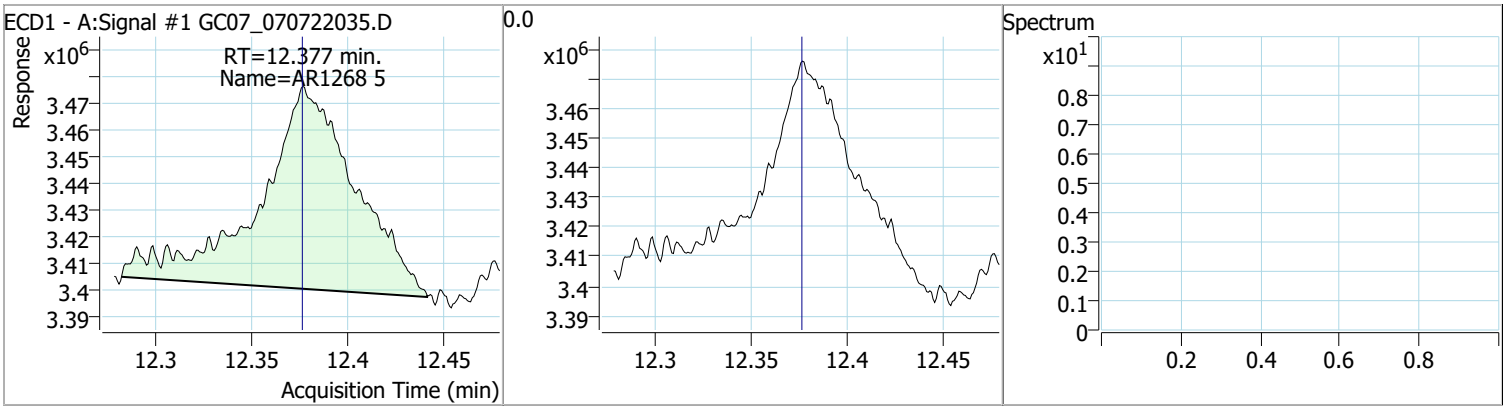
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3 #2	3.8119	12.21	0.00	27285				



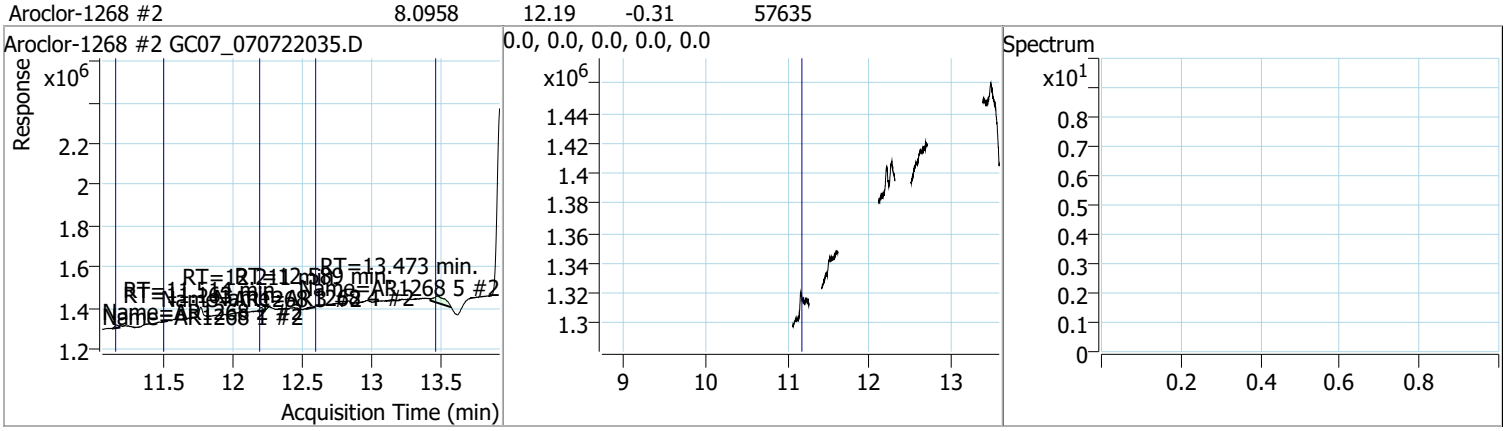




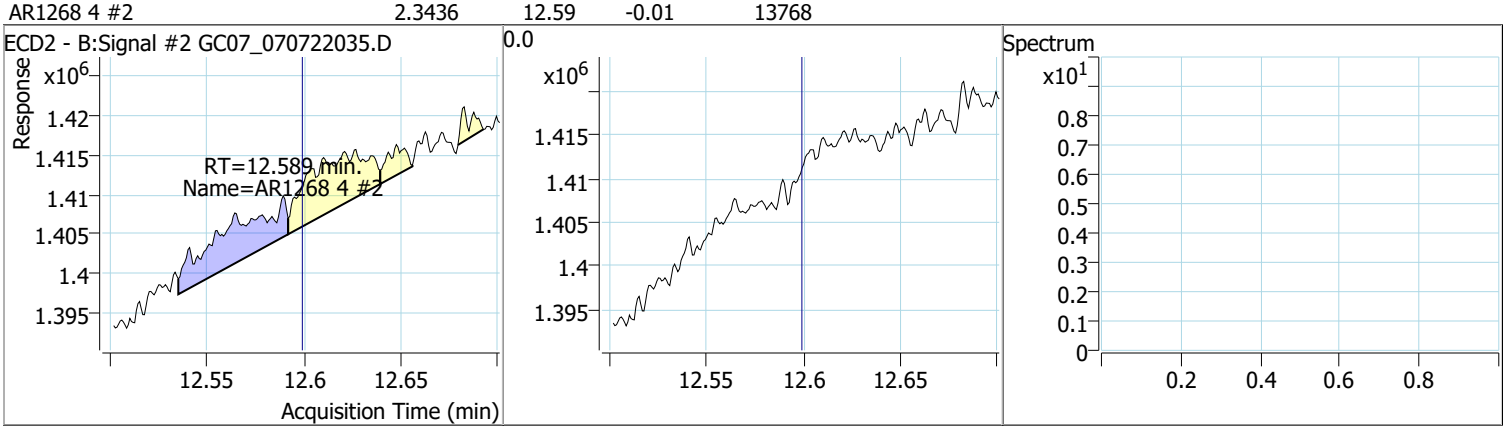
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5	4.3524	12.38	0.00	264226				



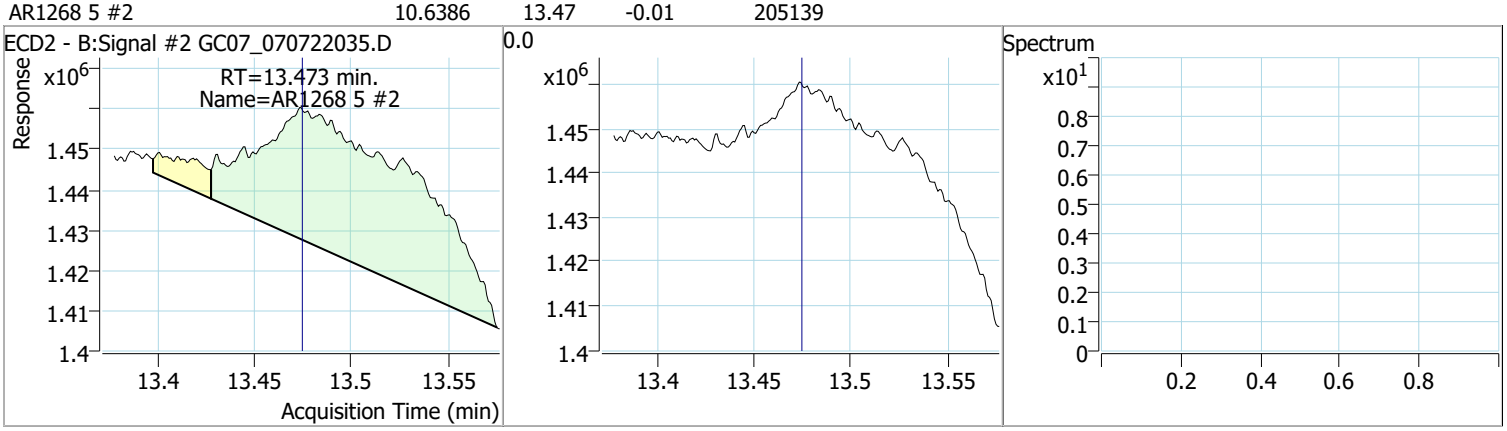
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268 #2	8.0958	12.19	-0.31	57635				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4 #2	2.3436	12.59	-0.01	13768				

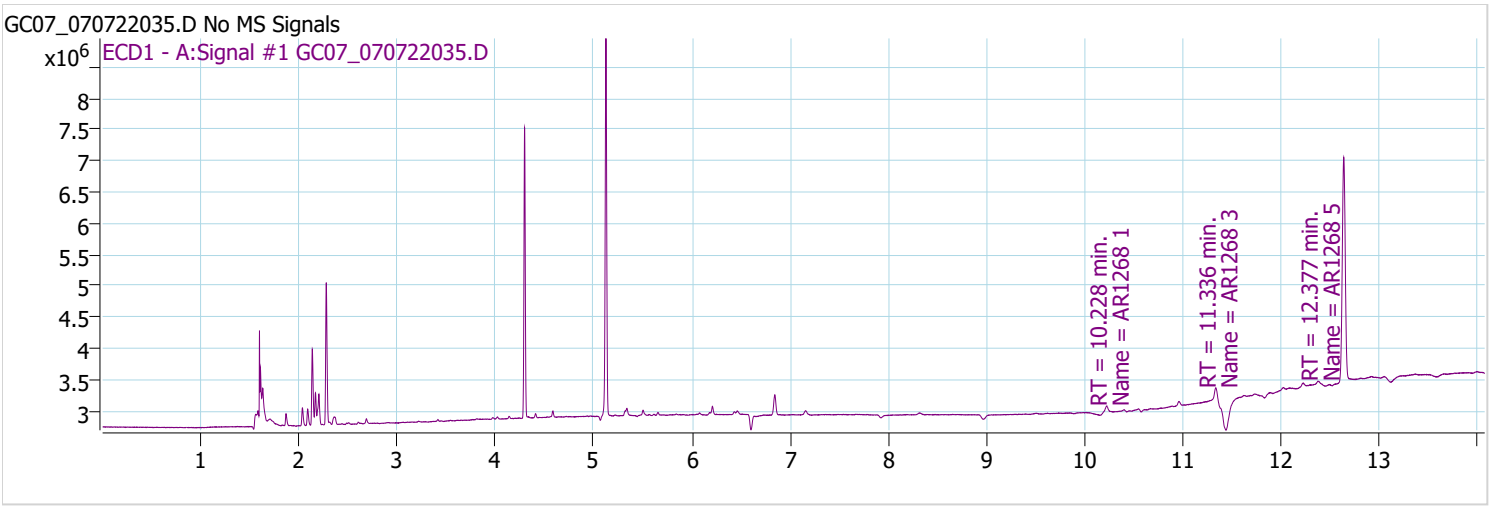


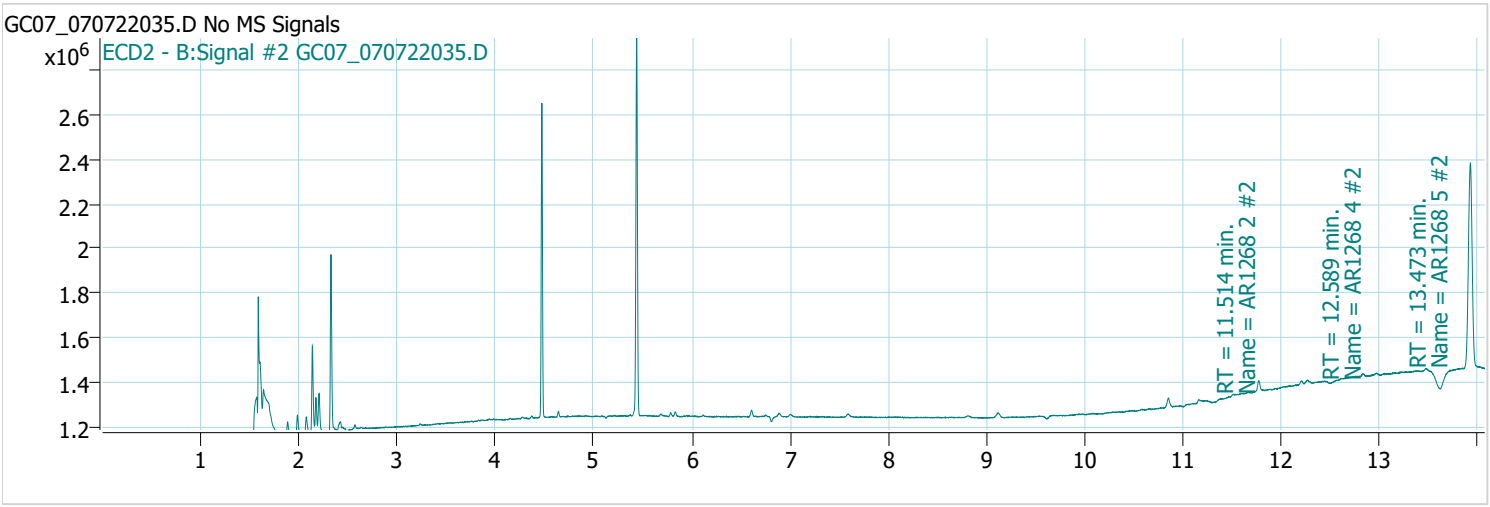
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5 #2	10.6386	13.47	-0.01	205139				



Quantitation Results Report (Not Reviewed)

Data File	GC07_070722035.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/7/2022 9:24:44 PM
Sample Name	465031-003, 292307, 1	Instrument	SVOA-GC07
Vial	19	Multiplier	1.00
DA Method File		Comment	SOIL/10G-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	070822AR1268.batch.bin	Last Calib Update	7/8/2022 6:49:36 PM
Ref Library			



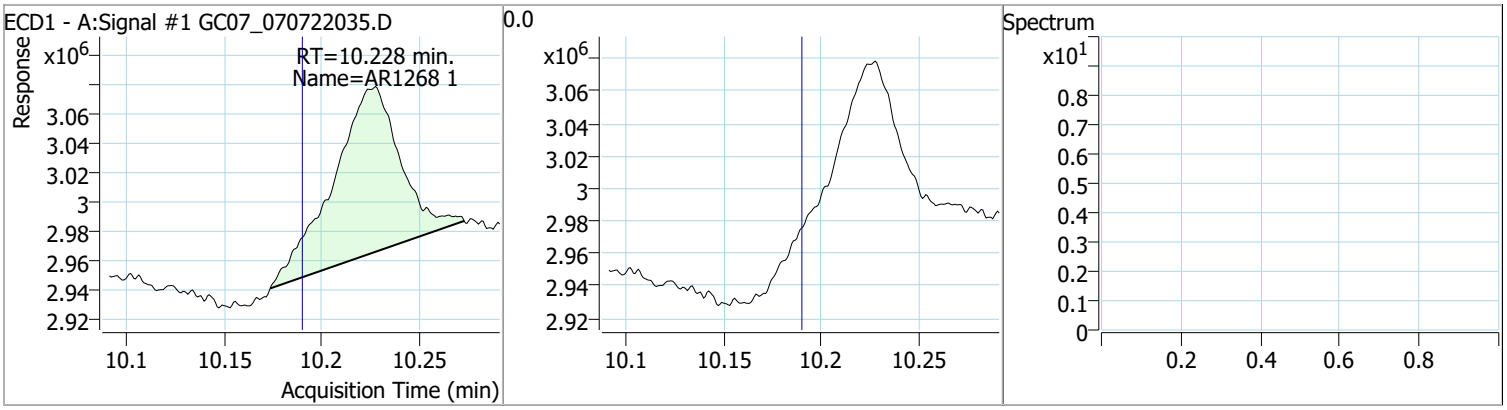


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (1268)	4.298	0.0	4338375.386	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (1268) #2	4.473	0.0	1245130.257	20.0000	ng/ml	-0.002
System Monitoring Compounds						
Target Compounds						**QValue**
T AR1268 1	10.228	0.0	271787.980	55.1331	ng/ml	100
T AR1268 2	10.548	0.0	109499.909	17.4534	ng/ml	100
T Aroclor-1268	11.222	0.0	544208.625	23.9313	ng/ml	
T AR1268 1 #2	11.163	0.0	28908.237	20.3191	ng/ml	100
T AR1268 3	11.336	0.0	1956448.536	84.1712	ng/ml	100
T AR1268 2 #2	11.514	0.0	13072.063	7.0395	ng/ml	100
T AR1268 4	11.623	0.0	119080.998	6.4203	ng/ml	100
T AR1268 3 #2	12.211	0.0	27285.452	3.8119	ng/ml	100
T AR1268 5	12.377	0.0	264225.703	4.3524	ng/ml	100
T Aroclor-1268 #2	12.190	0.0	57634.629	8.0958	ng/ml	

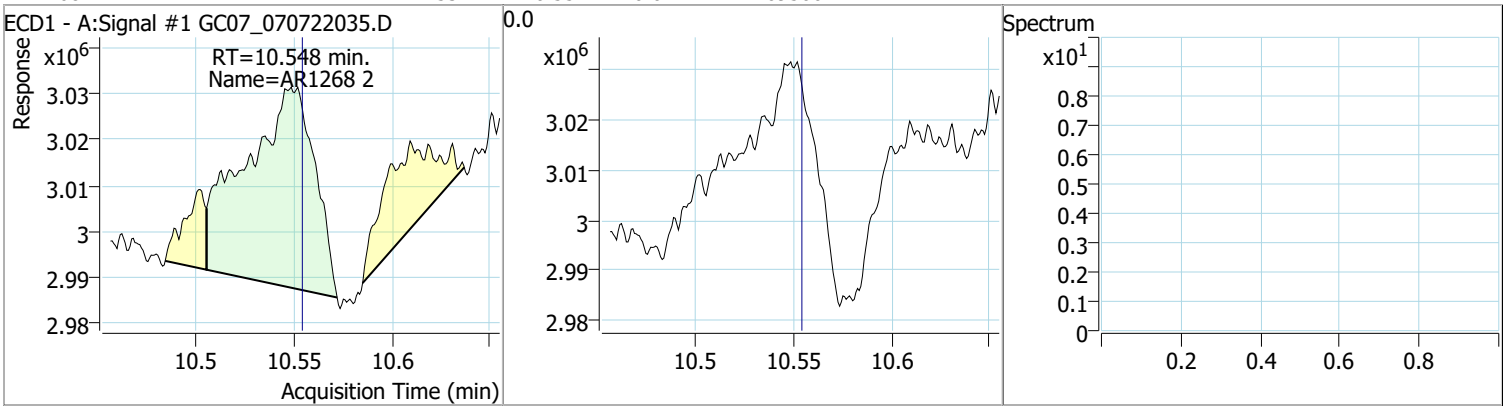
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1268 4 #2	12.589	0.0	13768.443	2.3436	ng/ml	100
T AR1268 5 #2	13.473	0.0	205138.950	10.6386	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

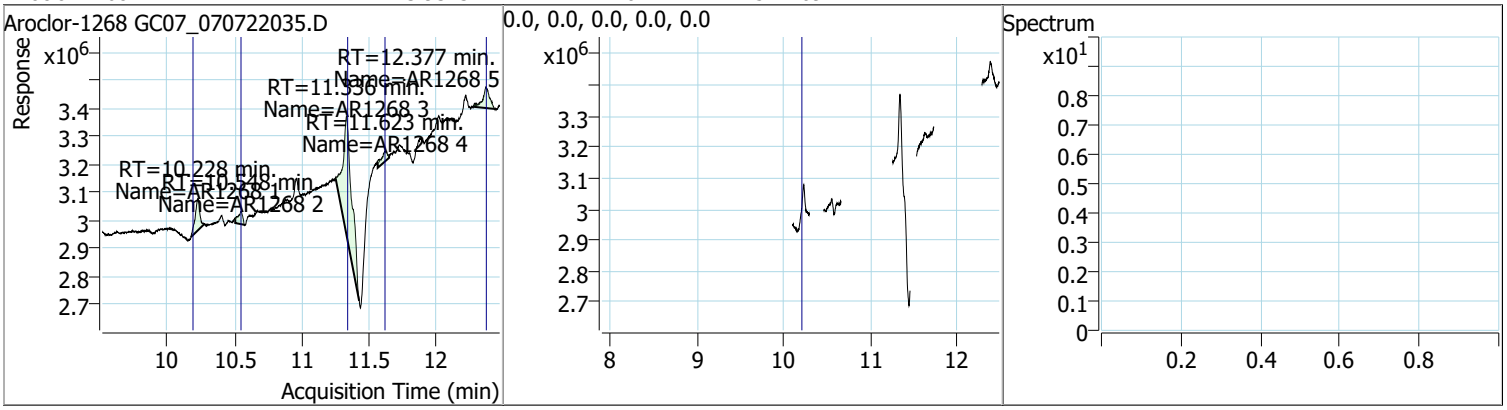
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1	55.1331	10.23	0.03	271788				



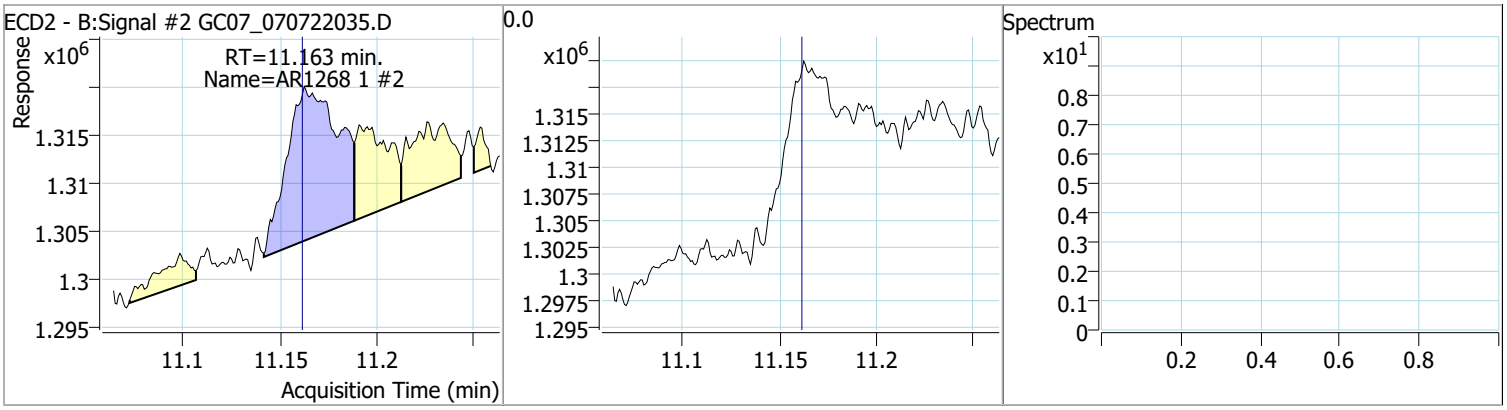
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2	17.4534	10.55	-0.01	109500				



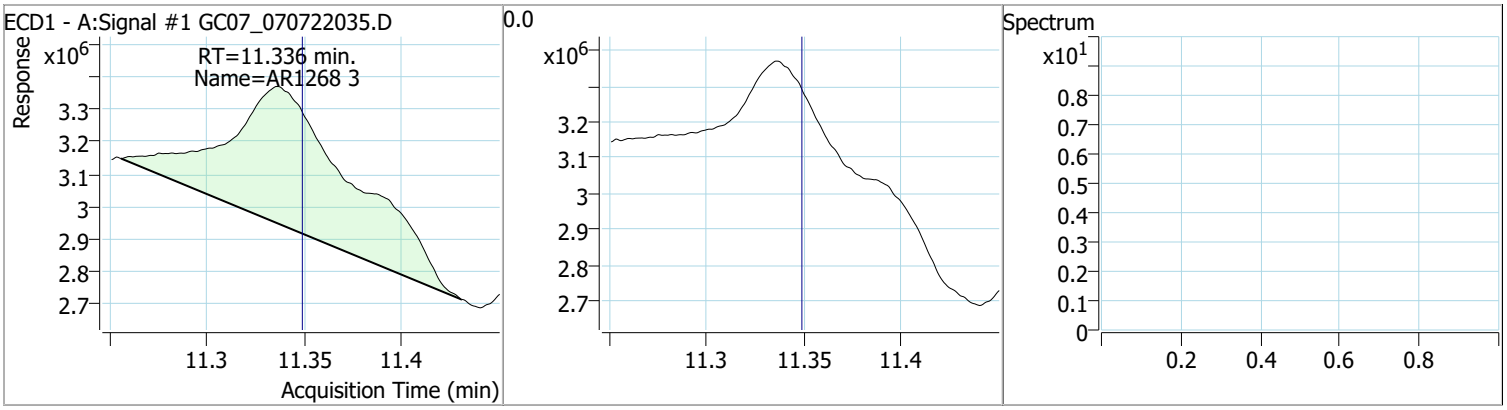
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268	23.9313	11.22	0.22	544209				



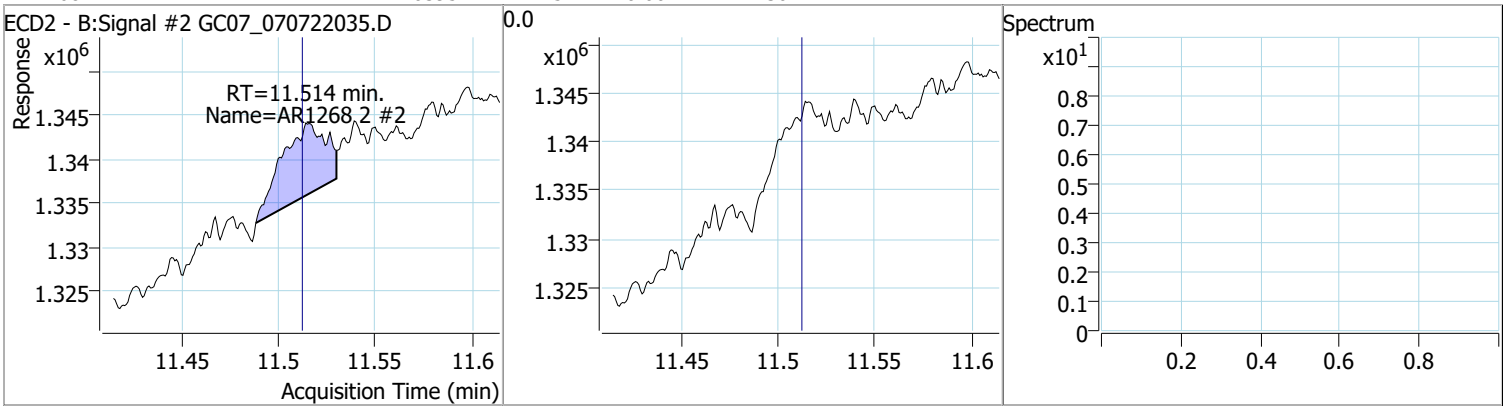
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1 #2	20.3191	11.16	0.00	28908				



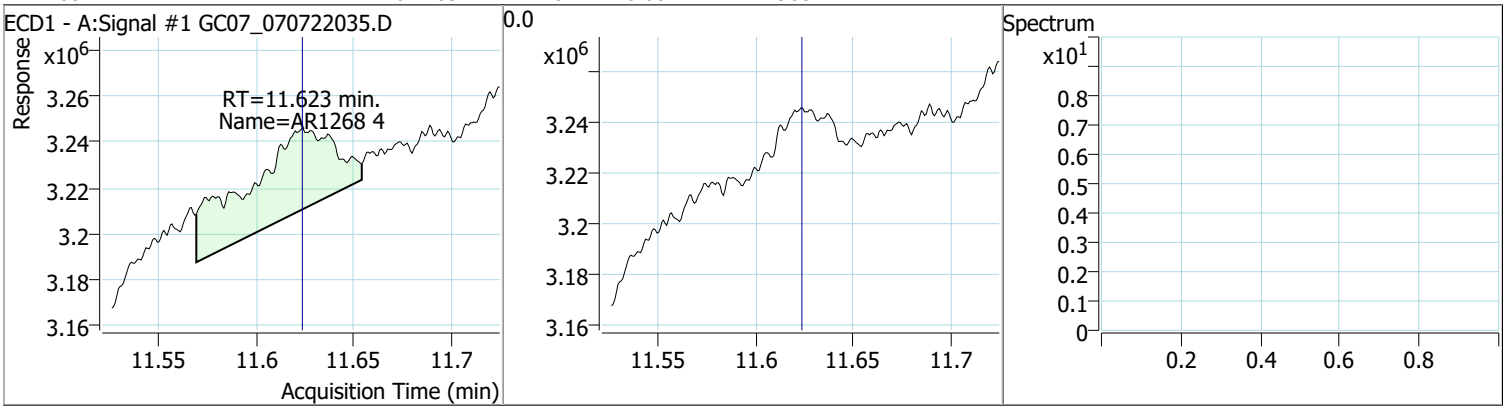
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3	84.1712	11.34	-0.02	1956449				



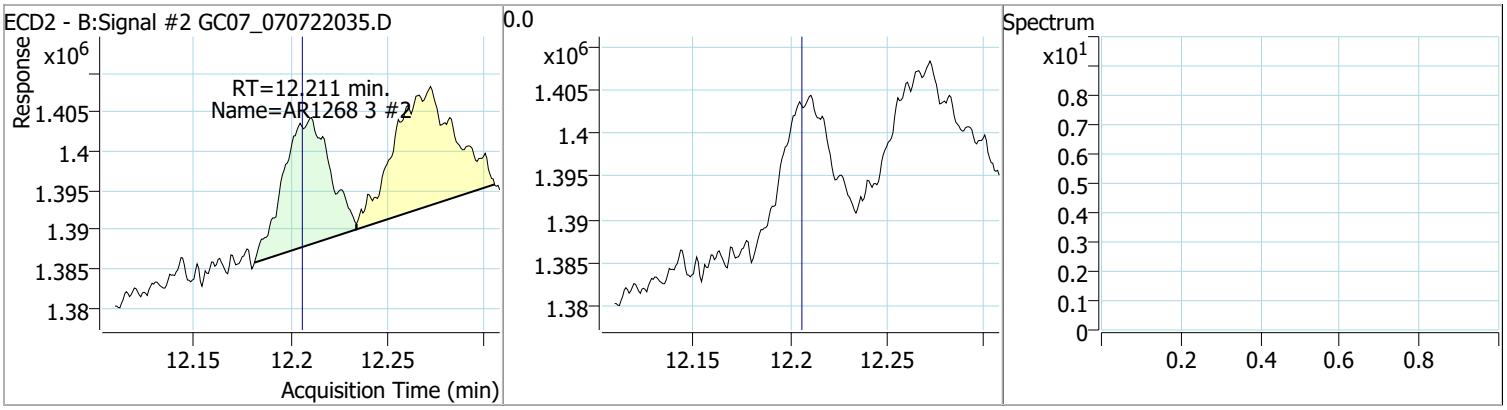
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2 #2	7.0395	11.51	0.00	13072				



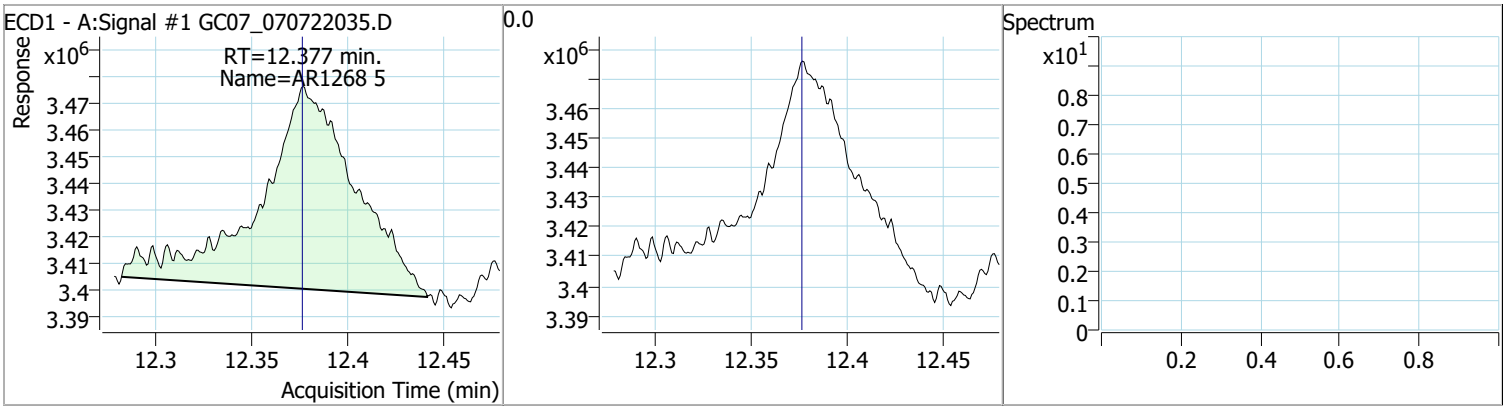
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4	6.4203	11.62	0.00	119081				



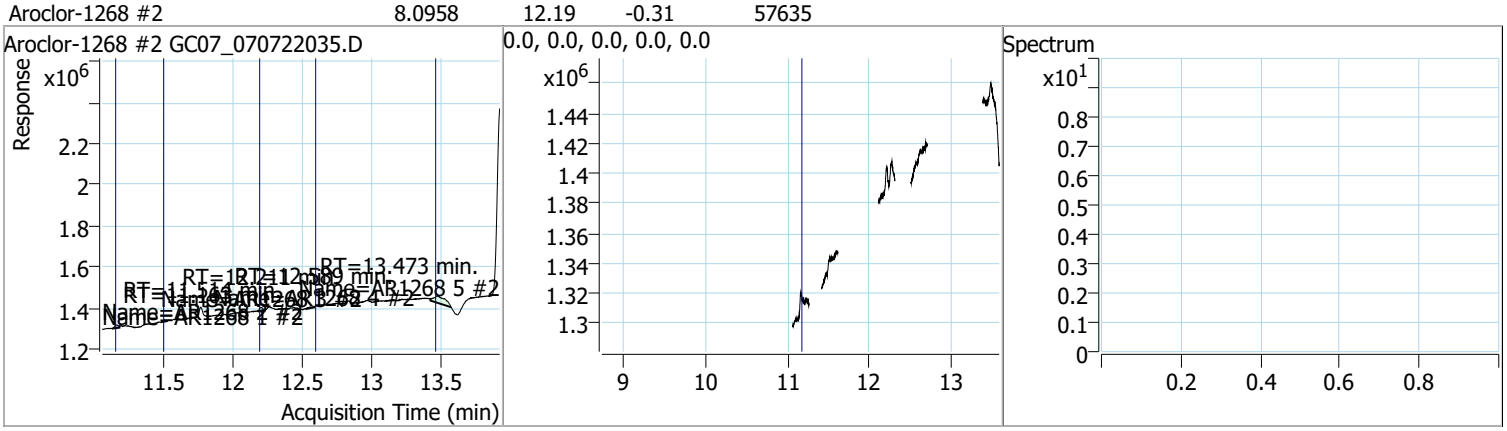
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3 #2	3.8119	12.21	0.00	27285				



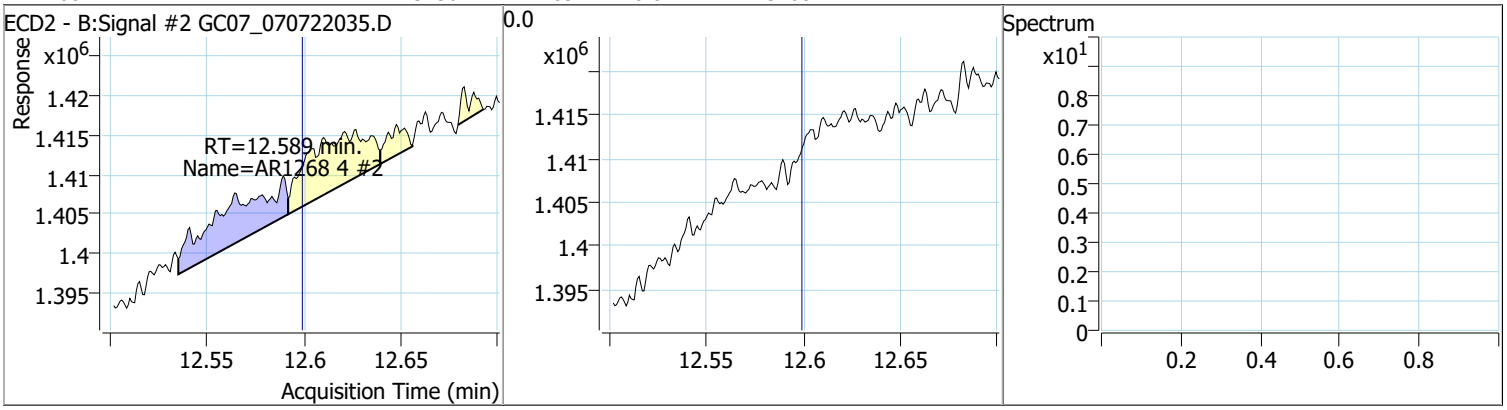
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5	4.3524	12.38	0.00	264226				



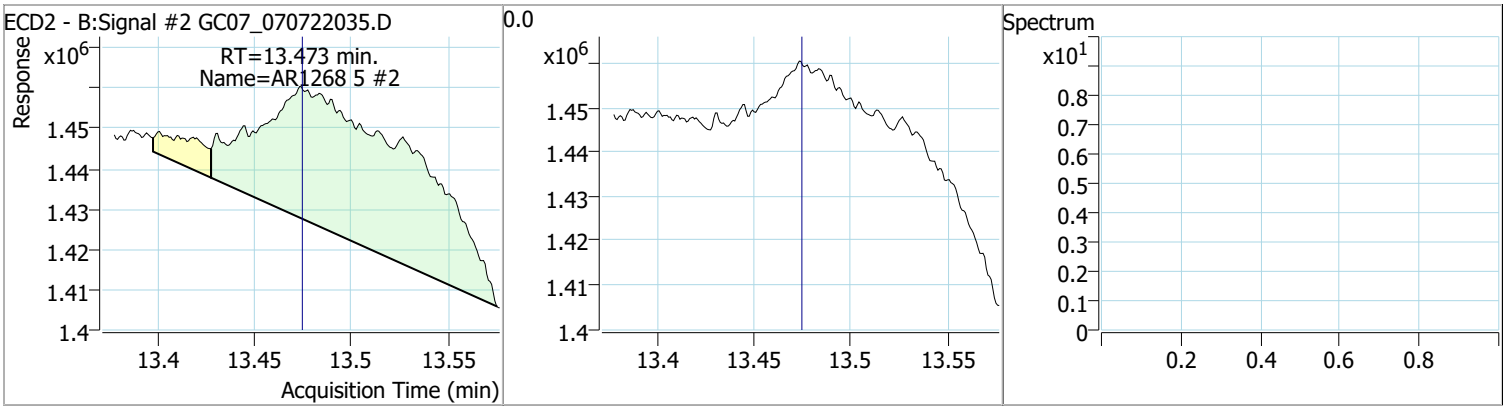
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268 #2	8.0958	12.19	-0.31	57635				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4 #2	2.3436	12.59	-0.01	13768				

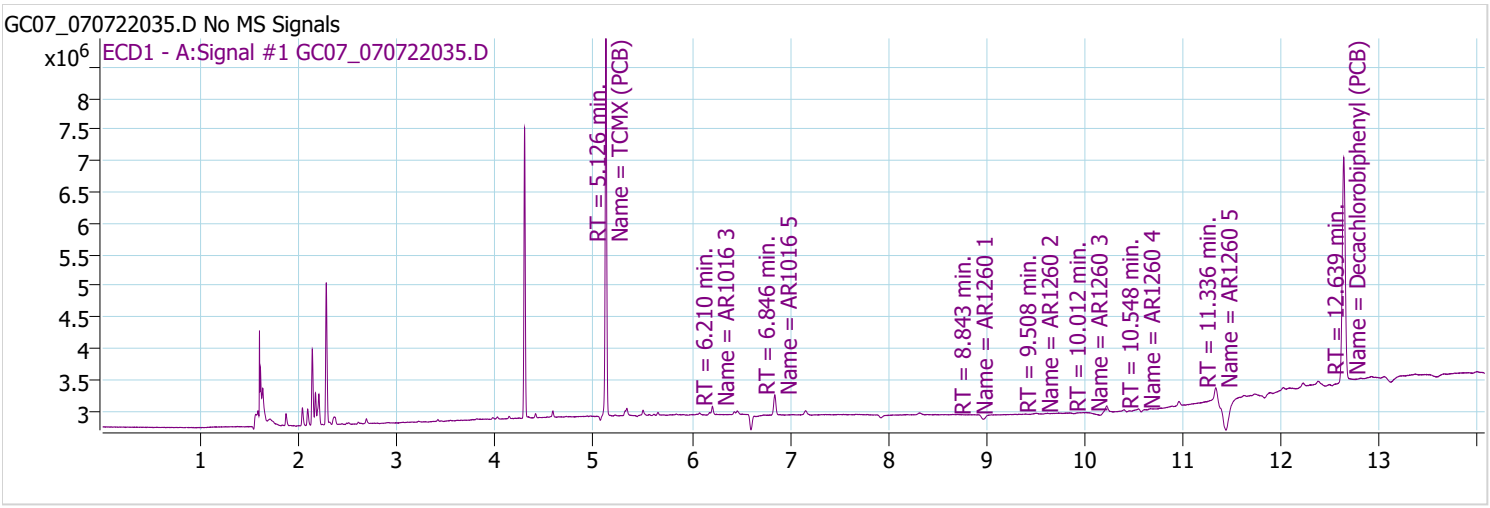


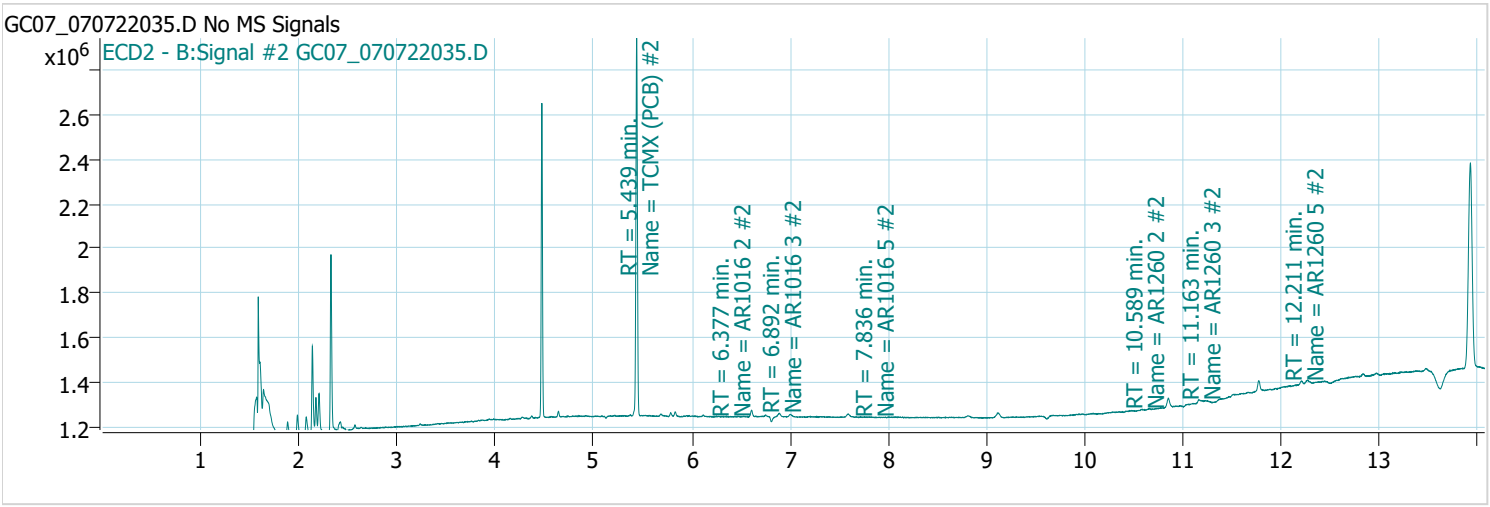
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5 #2	10.6386	13.47	-0.01	205139				



Quantitation Results Report (Not Reviewed)

Data File	GC07_070722035.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/7/2022 9:24:44 PM
Sample Name	465031-003, 292307, 1	Instrument	SVOA-GC07
Vial	19	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_6.m	Comment	SOIL/10G-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	070722PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



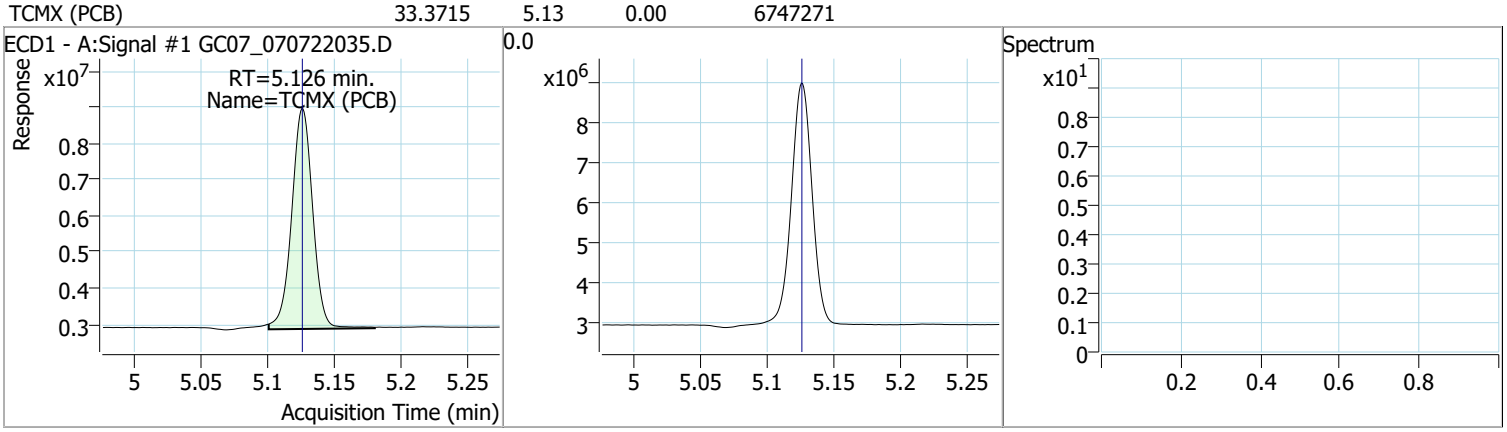


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.298	0.0	4286795.030	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.473	0.0	1247969.878	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.126	0.0	6747271.495	33.3715	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 166.86%		*	
S TCMX (PCB) #2	5.439	0.0	1877362.102	33.1477	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 165.74%		*	
S Decachlorobiphenyl (PCB)	12.639	0.0	7798712.640	32.5672	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 162.84%		*	
S Decachlorobiphenyl (PCB) #2	13.928	0.0	2483404.197	32.3166	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 161.58%		*	
Target Compounds							QValue

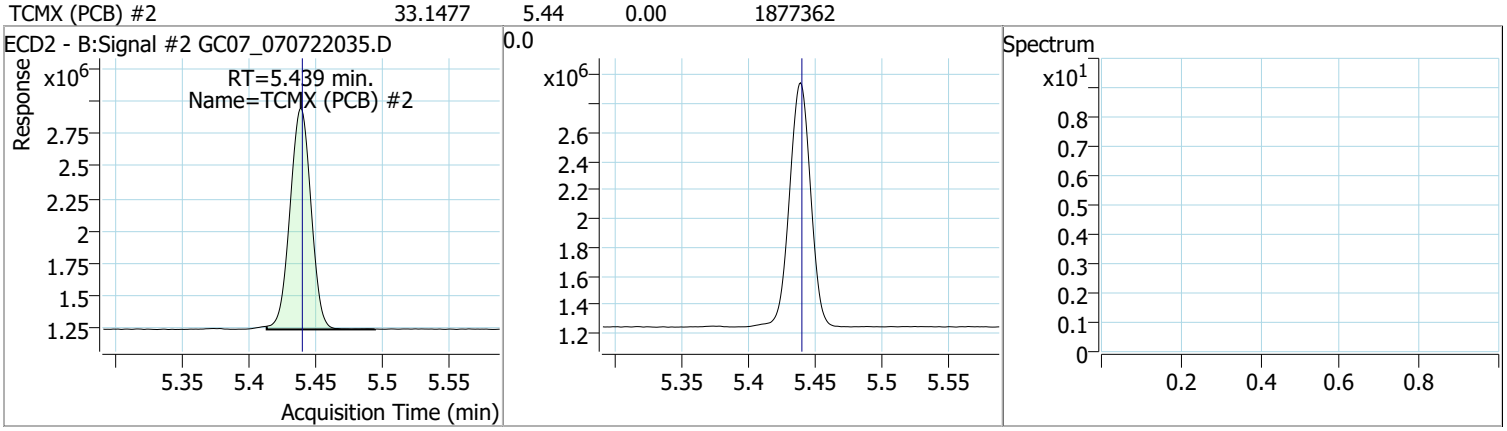
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.504	0.0	176164.930	42.8355	ng/ml	100
T AR1016 2	5.843	0.0	34999.581	3.9267	ng/ml	100
T AR1016 1 #2	5.926	0.0	2729.797	2.1721	ng/ml	100
T AR1016 3	6.210	0.0	218904.903	21.2086	ng/ml	100
T AR1016 2 #2	6.377	0.0	488.579	0.1785	ng/ml	100
T AR1016 4	6.435	0.0	57729.515	7.7778	ng/ml	100
T AR1016 5	6.846	0.0	535380.983	86.5957	ng/ml	100
T AR1016 3 #2	6.892	0.0	154733.517	49.2917	ng/ml	100
T AR1016 4 #2	7.092	0.0	1387.724	0.6370	ng/ml	100
T AR1016 5 #2	7.836	0.0	2379.636	1.3075	ng/ml	100
T AR1260 1	8.843	0.0	274754.407	21.0443	ng/ml	100
T AR1260 2	9.508	0.0	51174.924	2.7305	ng/ml	100
T AR1260 3	10.012	0.0	162627.336	8.5626	ng/ml	100
T AR1260 1 #2	10.289	0.0	18502.553	4.6814	ng/ml	100
T AR1260 4	10.548	0.0	148789.411	15.3245	ng/ml	100
T AR1260 2 #2	10.589	0.0	6218.758	1.4162	ng/ml	100
T AR1260 3 #2	11.163	0.0	17346.672	3.2095	ng/ml	100
T AR1260 5	11.336	0.0	3459371.646	388.0855	ng/ml	100
T AR1260 4 #2	0.000		0	N.D.		
T AR1260 5 #2	12.211	0.0	28722.968	6.5913	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

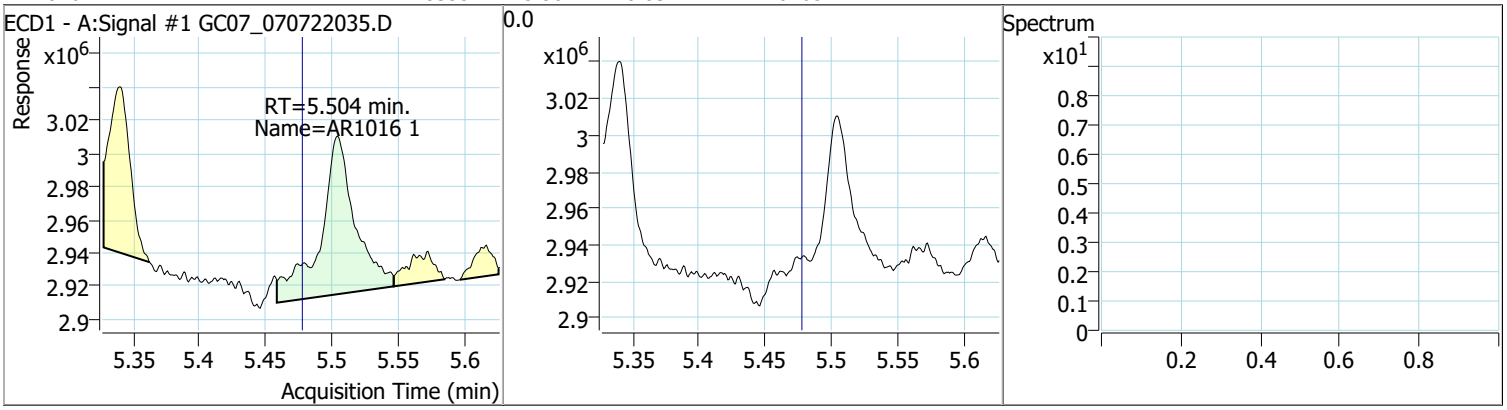
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	33.3715	5.13	0.00	6747271				



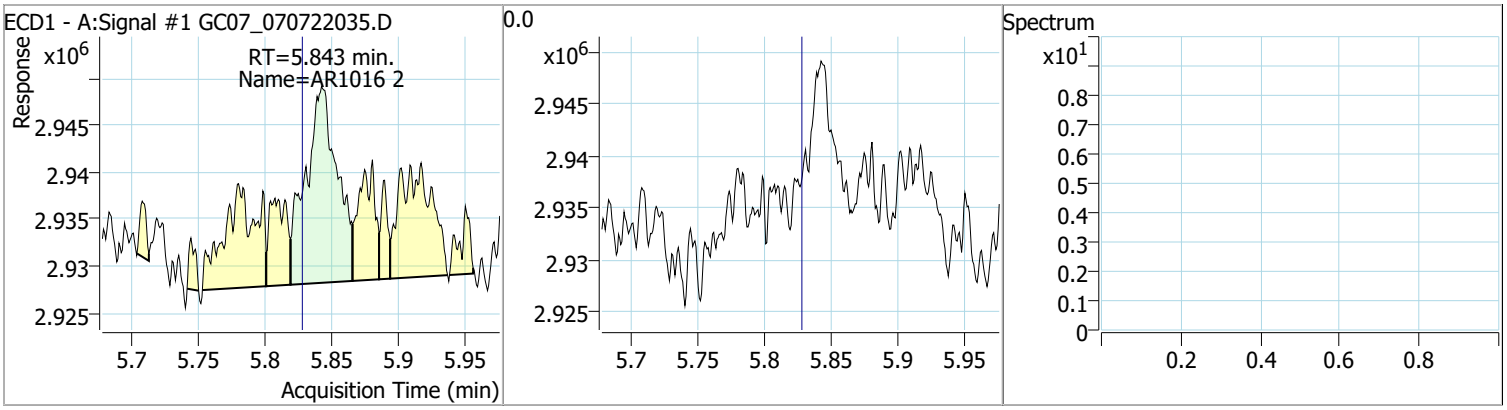
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	33.1477	5.44	0.00	1877362				



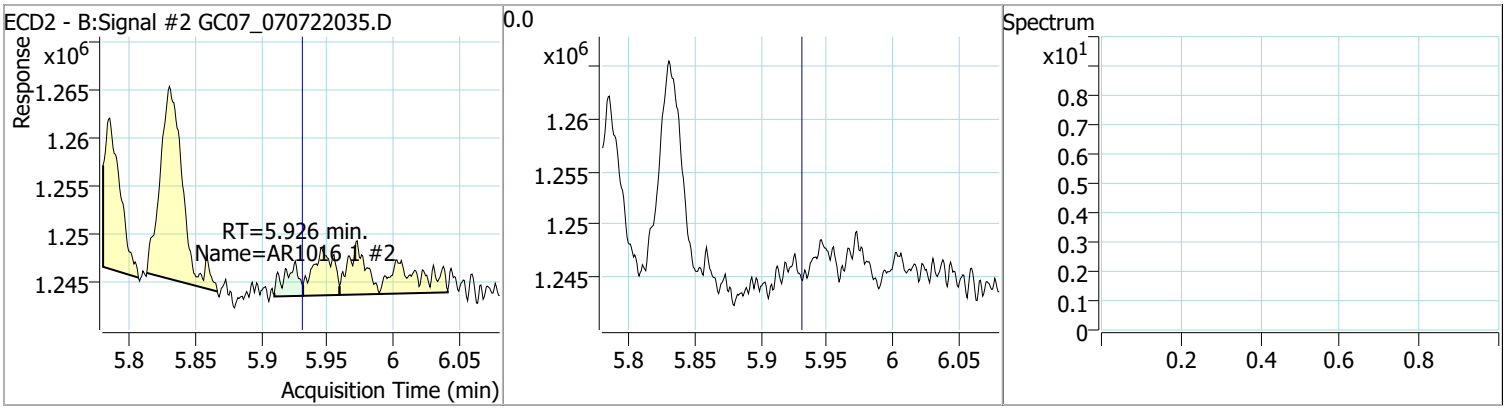
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	42.8355	5.50	0.03	176165				



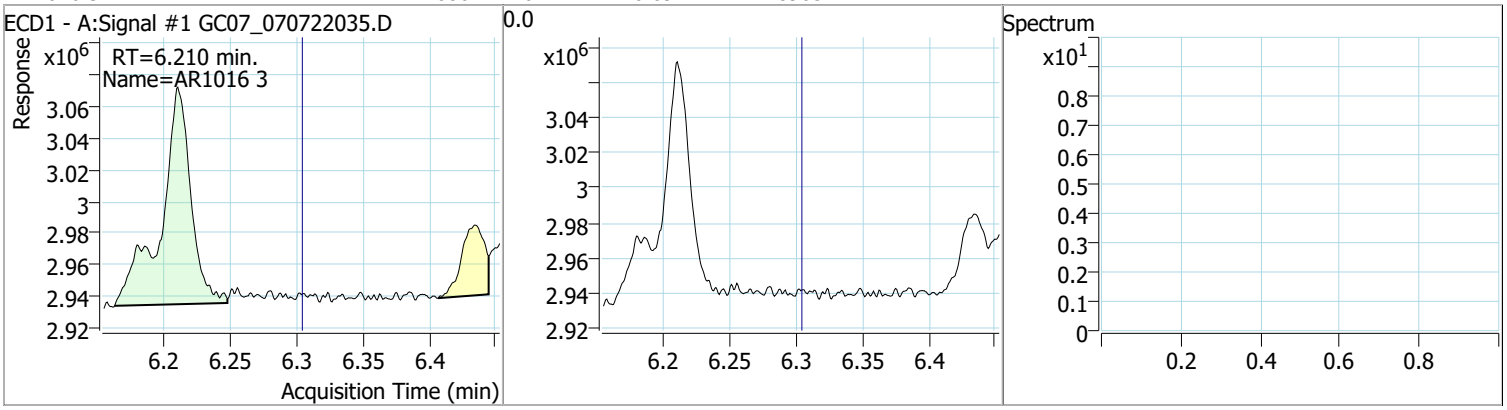
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	3.9267	5.84	0.01	35000				



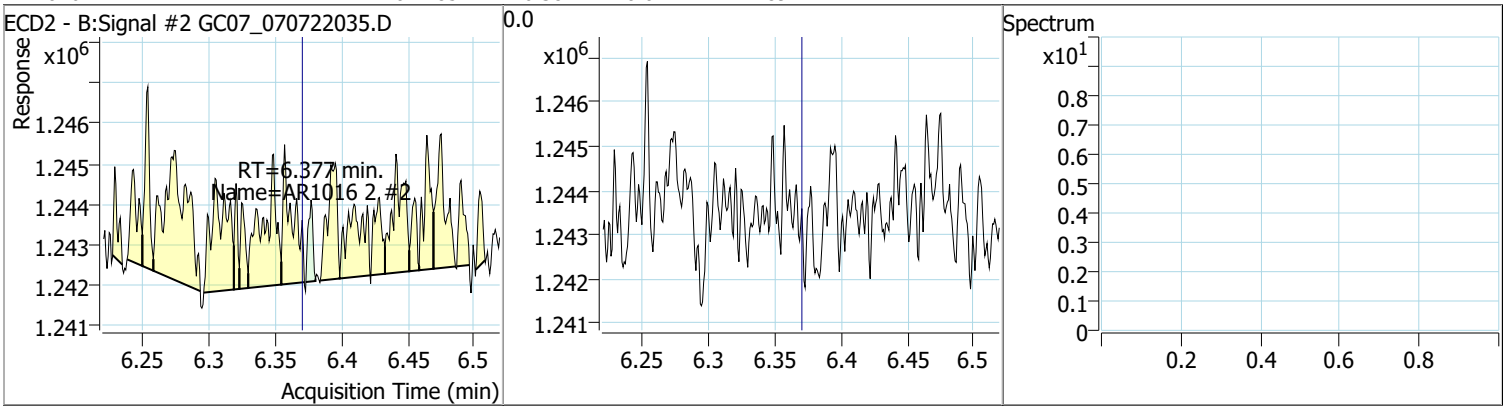
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	2.1721	5.93	-0.01	2730				



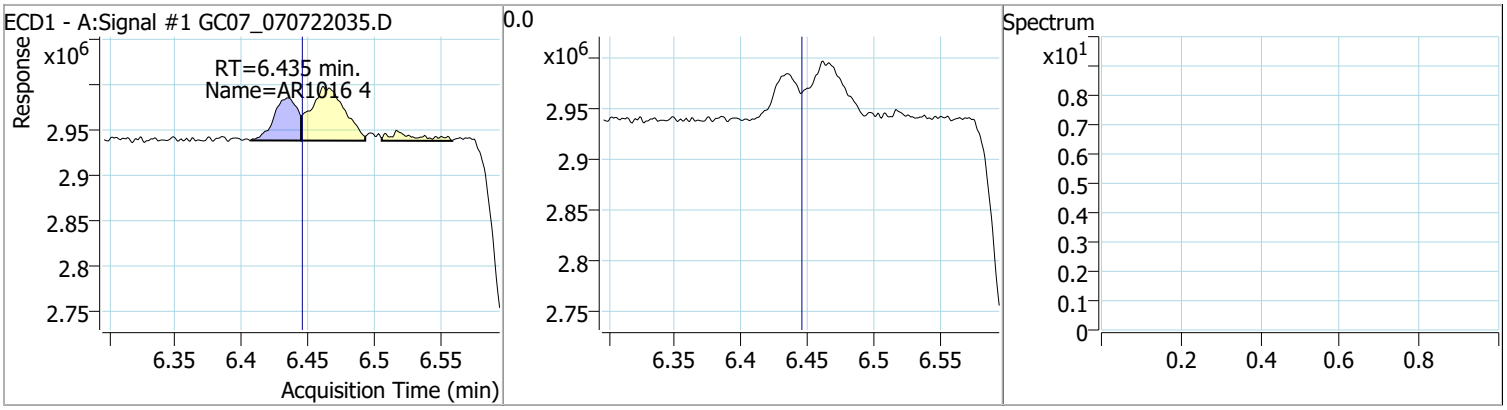
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	21.2086	6.21	-0.09	218905				



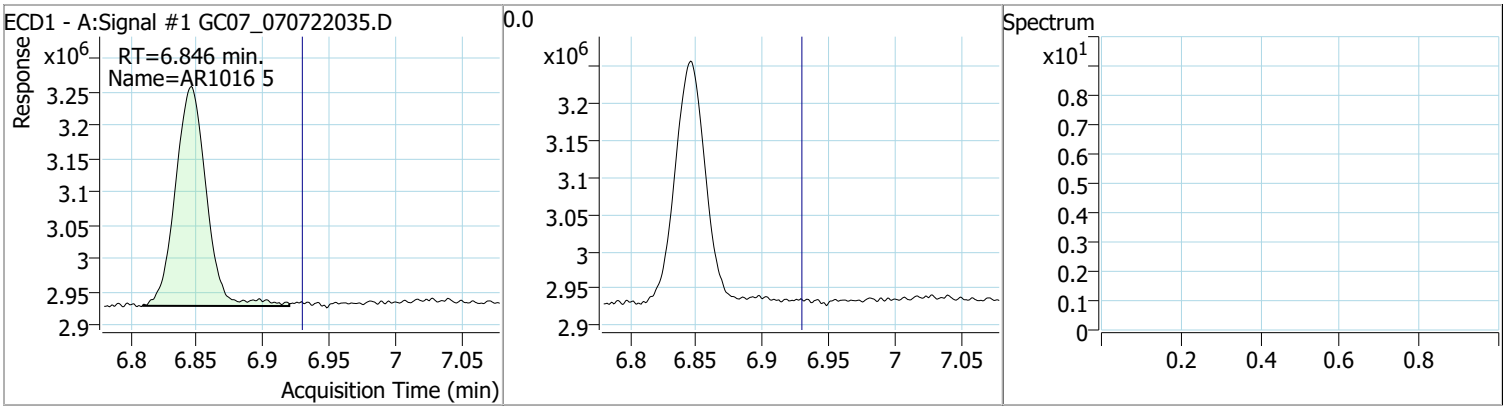
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	0.1785	6.38	0.01	489				



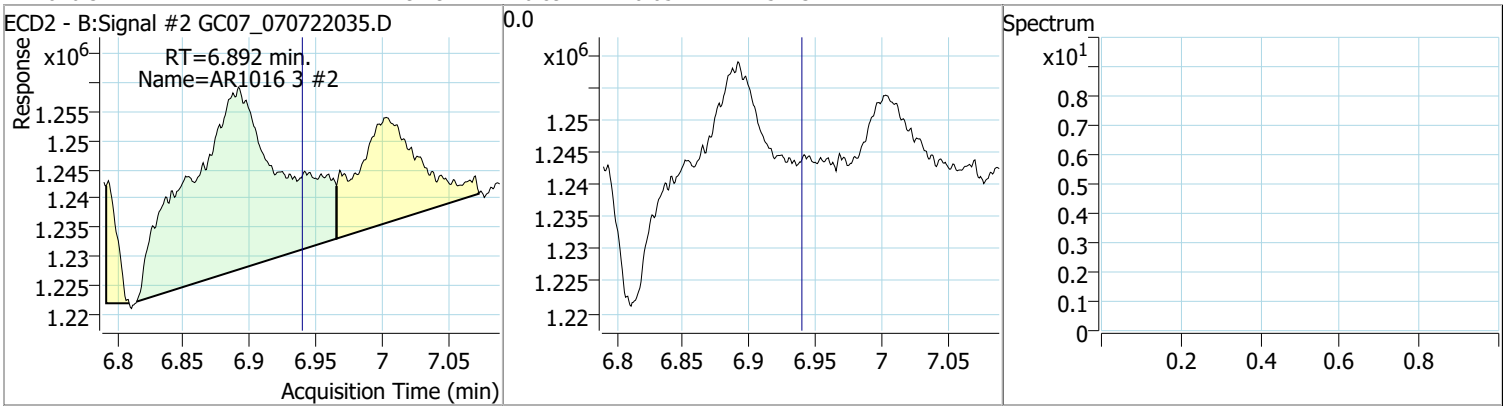
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	7.7778	6.44	-0.01	57730				



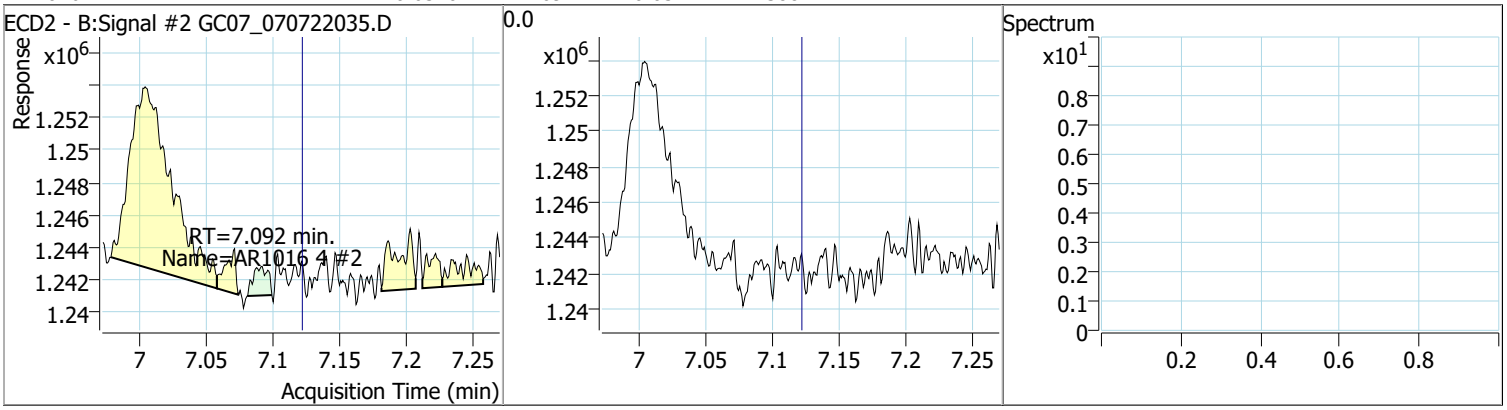
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	86.5957	6.85	-0.08	535381				



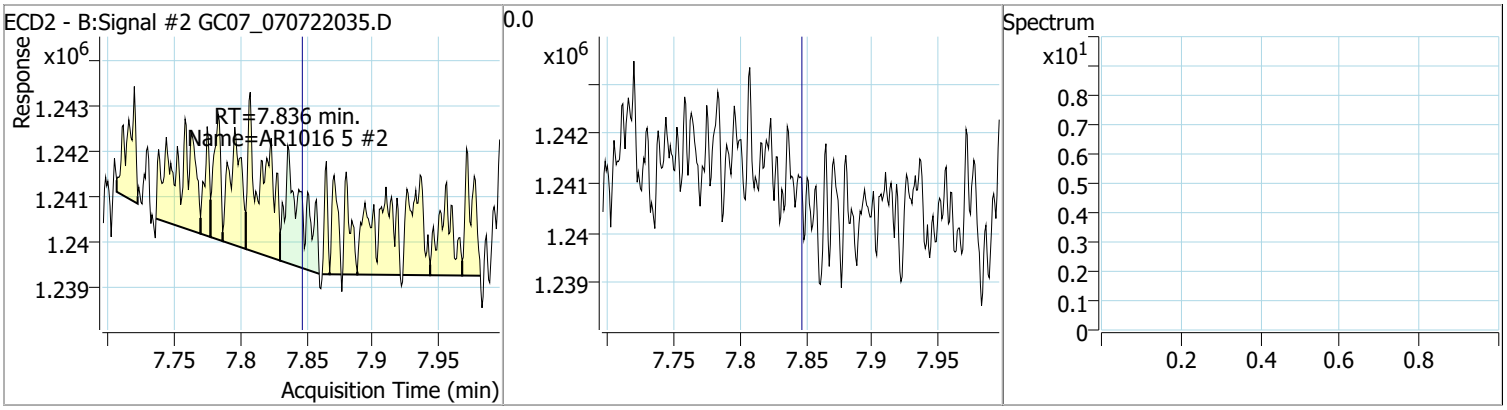
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	49.2917	6.89	-0.05	154734				



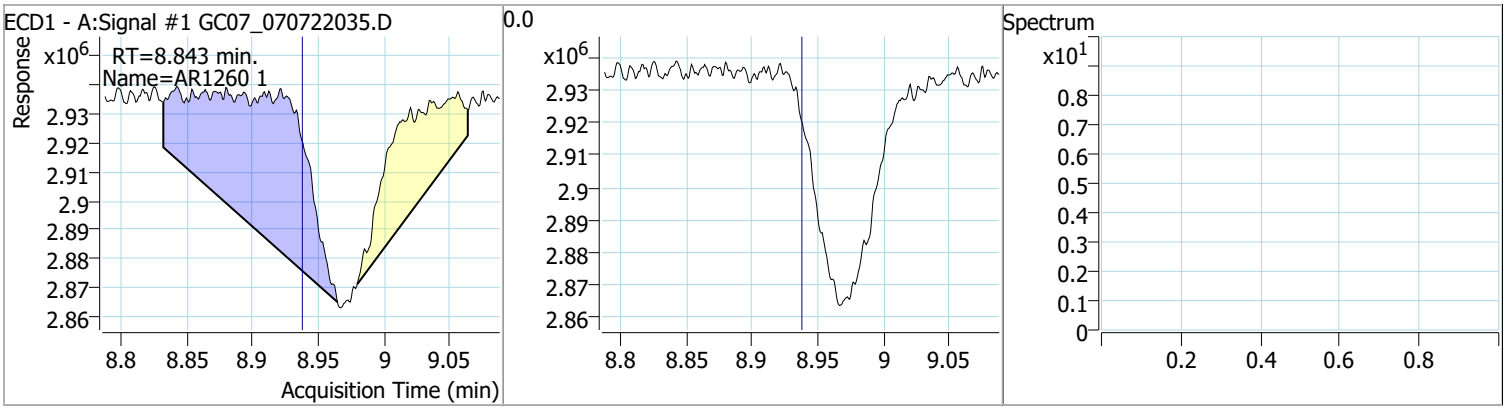
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.6370	7.09	-0.03	1388				



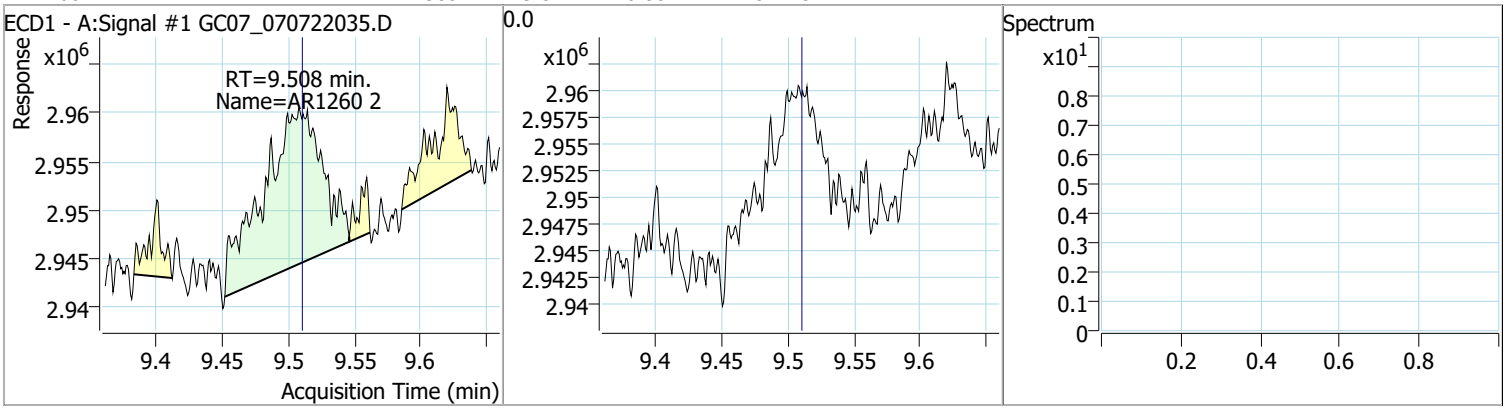
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.3075	7.84	-0.01	2380				



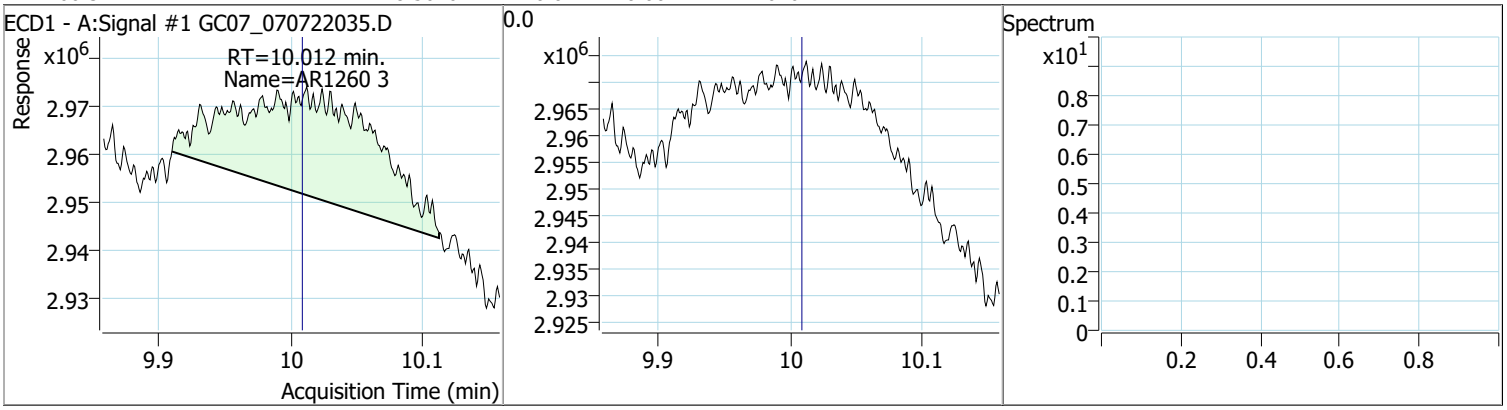
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	21.0443	8.84	-0.10	274754				



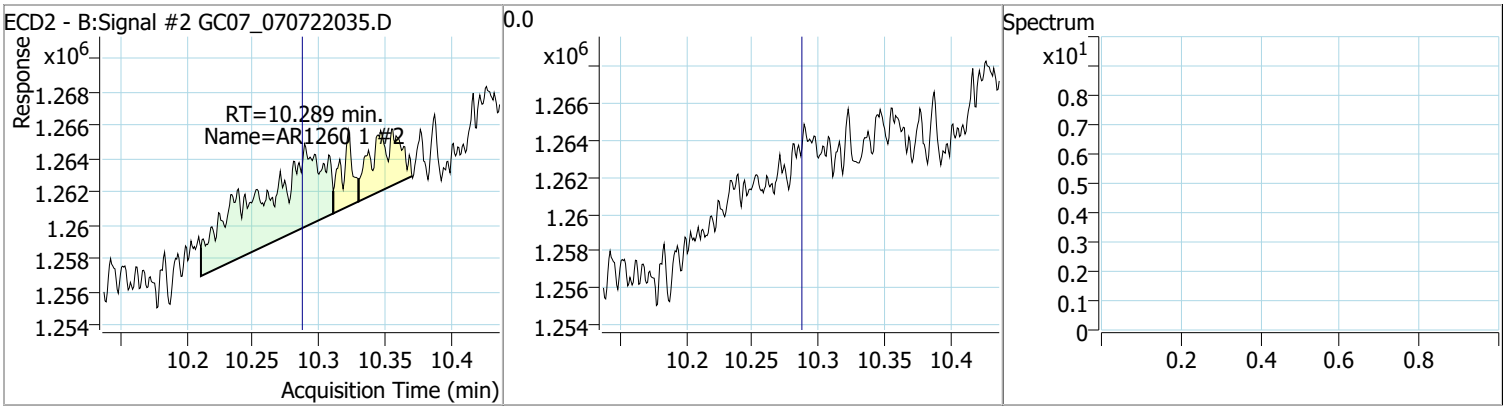
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2.7305	9.51	0.00	51175				



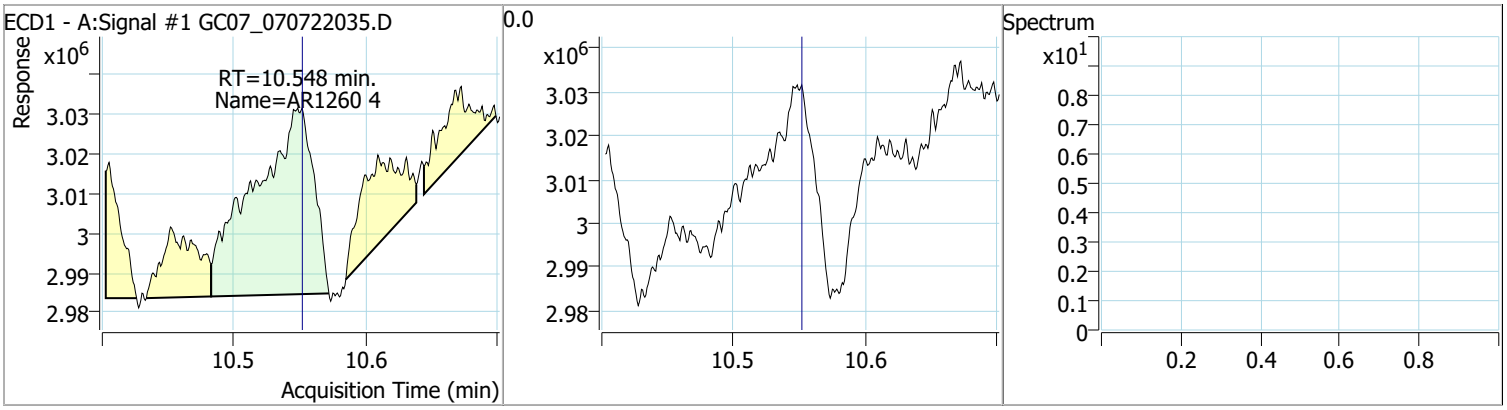
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	8.5626	10.01	0.00	162627				



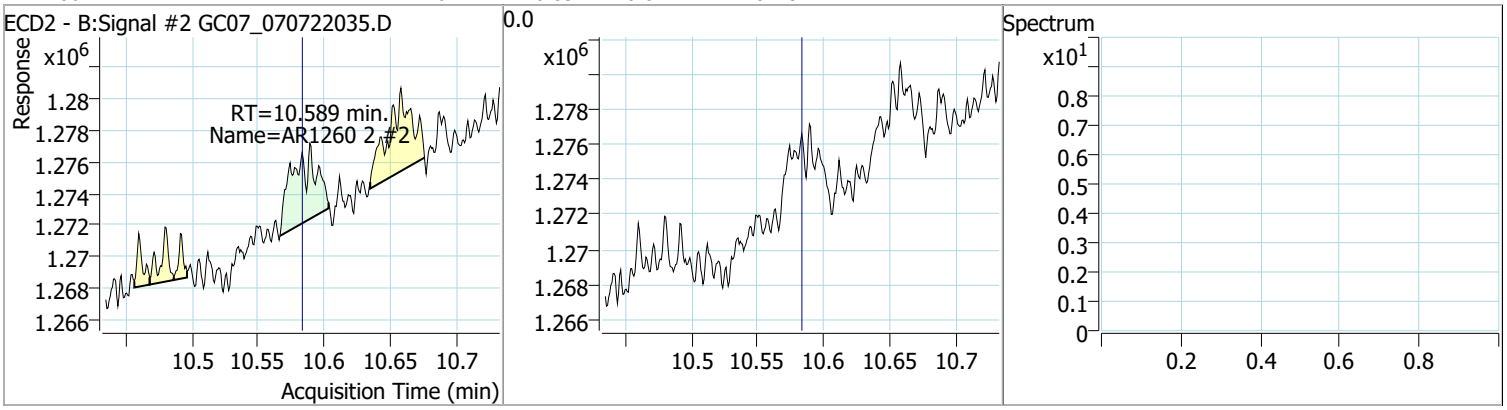
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	4.6814	10.29	0.00	18503				



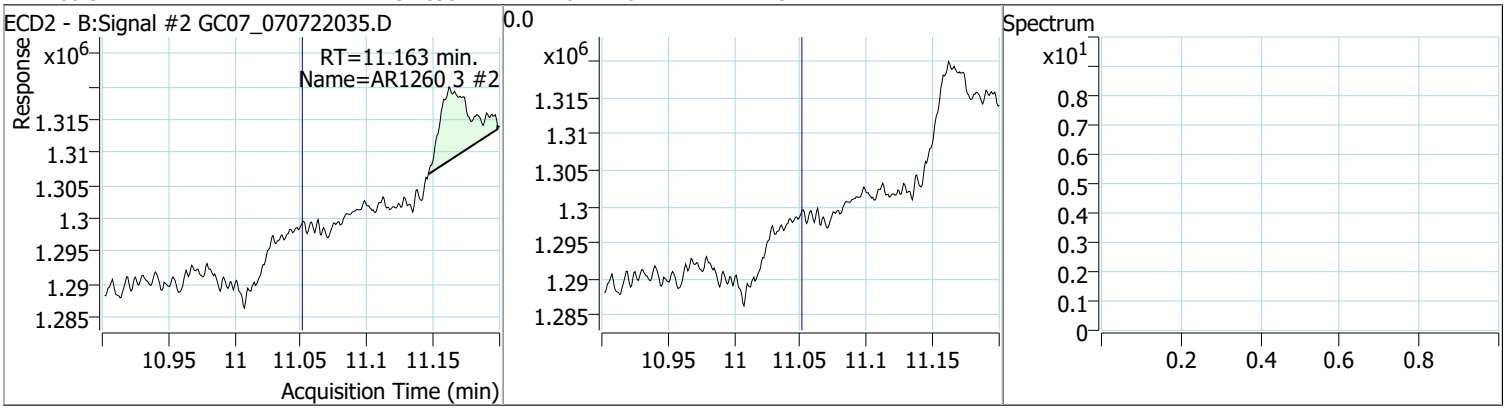
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	15.3245	10.55	0.00	148789				



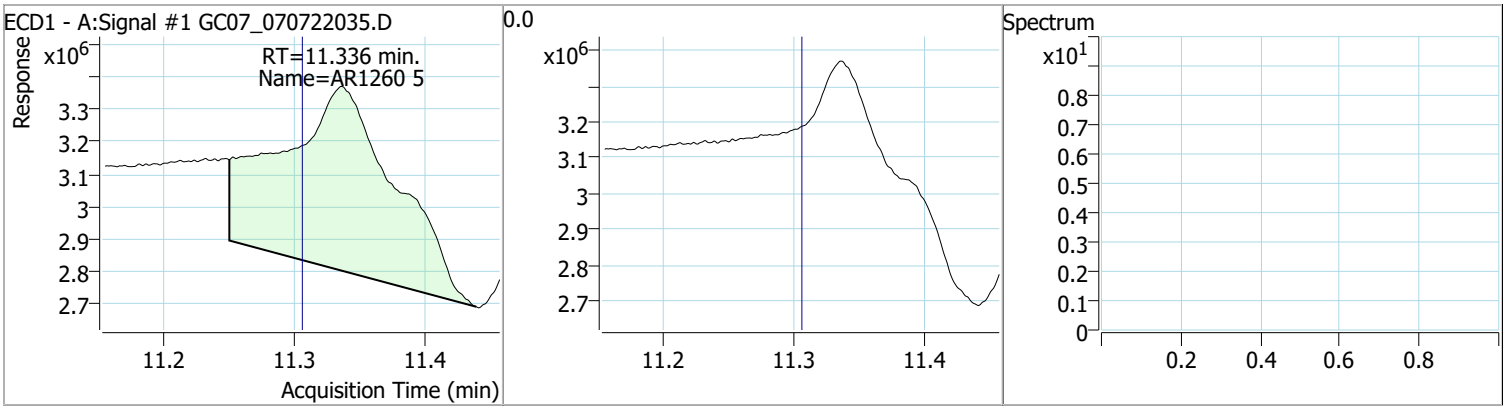
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1.4162	10.59	0.01	6219				



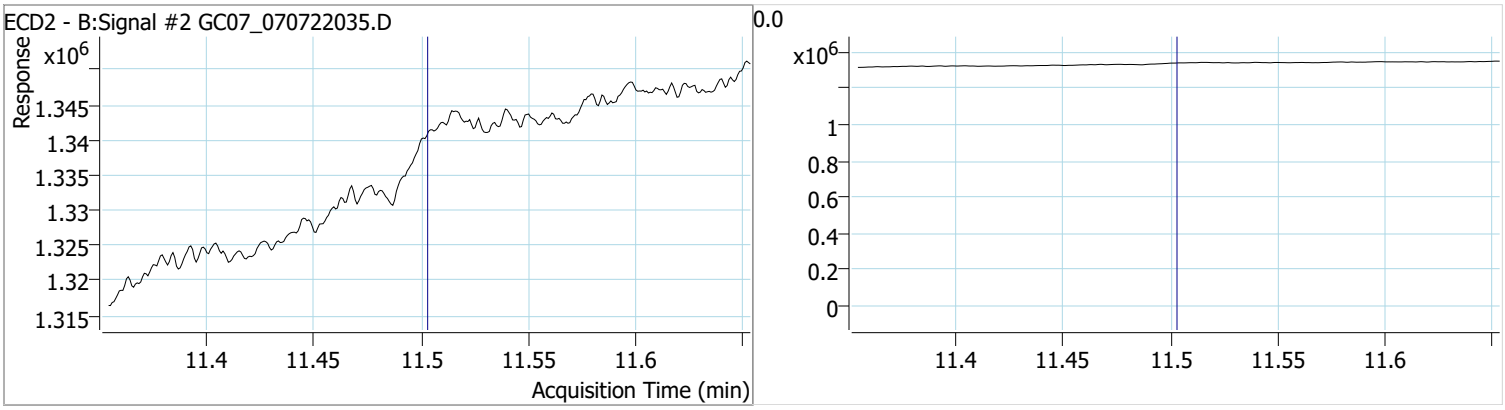
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	3.2095	11.16	0.11	17347				



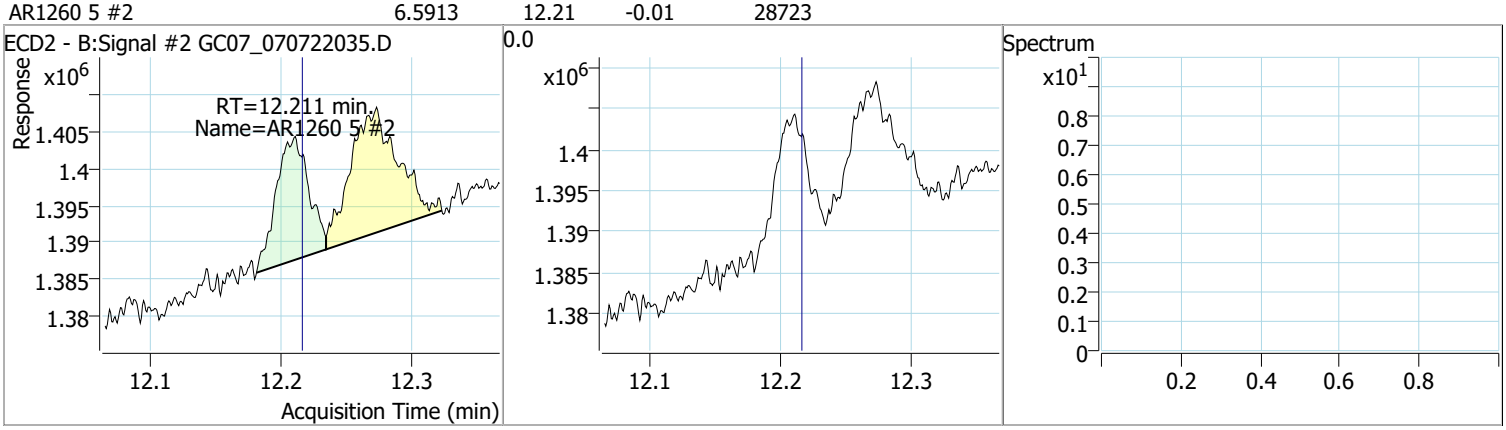
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	388.0855	11.34	0.03	3459372				



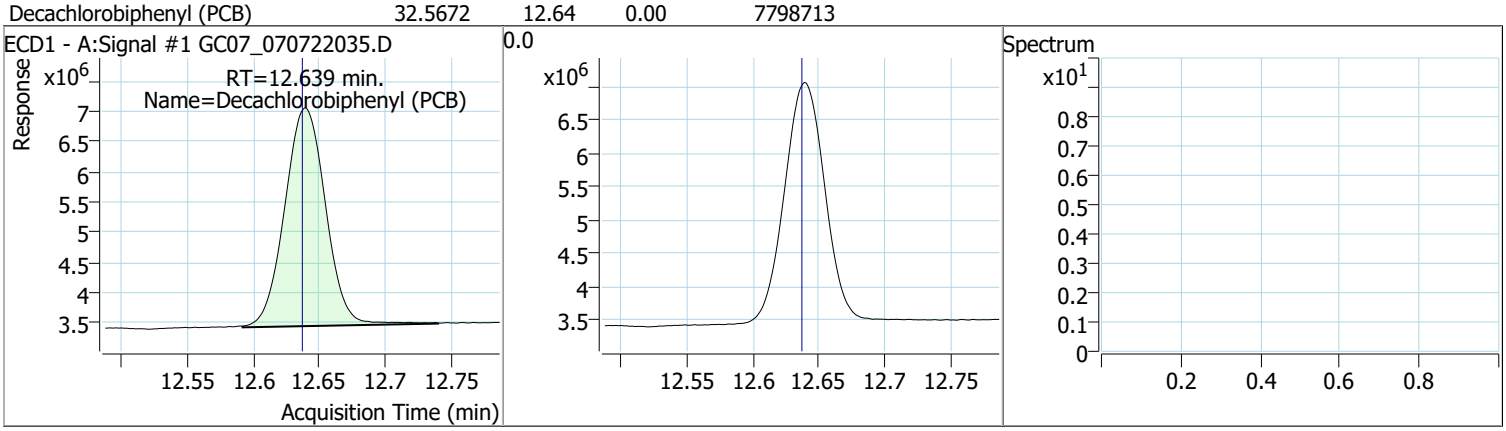
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 4 #2	N.D.	11.50		



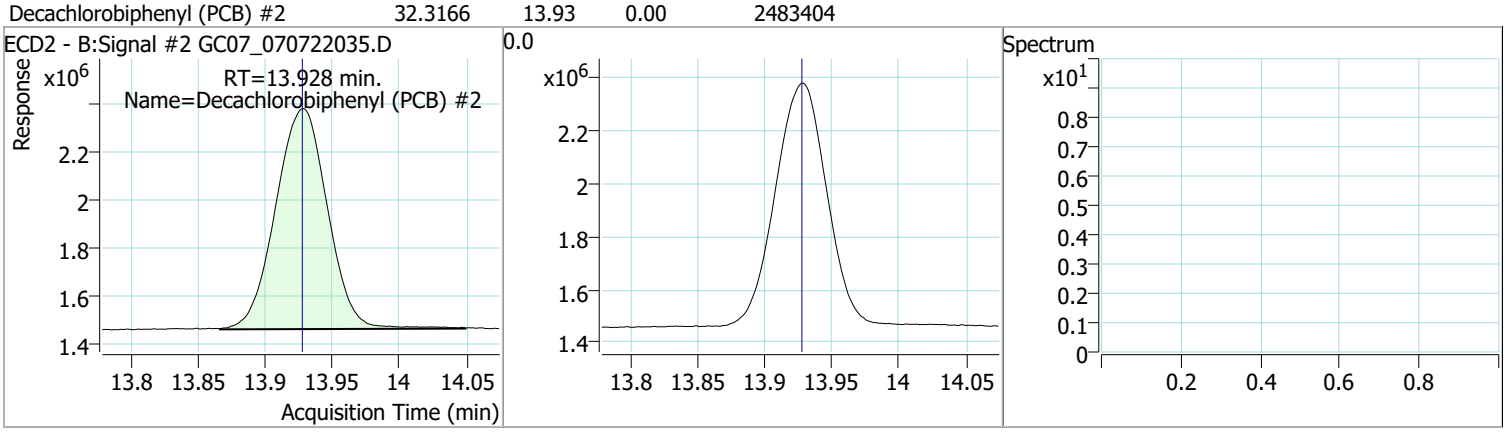
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	6.5913	12.21	-0.01	28723				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	32.5672	12.64	0.00	7798713				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	32.3166	13.93	0.00	2483404				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	465031-005	Client ID:	DOOR-N-0.5GE-INT-25 TO 26-220628-P-CB
Seqnum:	462271307036.2	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_070722036	Batch:	292307	Time:	07-JUL-2022 21:42
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Cal	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	462252739001	11.27	ug/L	ND	0.72	105%	1.0		u
Aroclor-1016 Peak # 1	B	462252739001	7.389	ug/L	0.15	0.99	148%			
Aroclor-1016 Peak # 2	B	462252739001	0.3551	ug/L	0.01	0.10	172%			
Aroclor-1016 Peak # 3	B	462252739001	47.19	ug/L	0.94	0.56	52%			
Aroclor-1016 Peak # 4	B	462252739001	0.4889	ug/L	0.01	0.13	172%			
Aroclor-1016 Peak # 5	B	462252739001	0.9123	ug/L	0.02	1.85	196%			
Aroclor-1221	B				ND			1.0		u
Aroclor-1232	B				ND			1.0		u
Aroclor-1242	B				ND			1.0		u
Aroclor-1248	B				ND			1.0		u
Aroclor-1254	B				ND			1.0		u
Aroclor-1260	B	462252739001	5.370	ug/L	ND	1.2	166%	1.0		u
Aroclor-1260 Peak # 1	B	462252739001	2.440	ug/L	0.05	0.59	169%			
Aroclor-1260 Peak # 2	B	462252739001	2.465	ug/L	0.05	0.06	26%			
Aroclor-1260 Peak # 3	B	462252739001	6.944	ug/L	0.14	0.28	69%			
Aroclor-1260 Peak # 4	B	462252739001	8.308	ug/L	0.17	0.34	69%			
Aroclor-1260 Peak # 5	B	462252739001	6.694	ug/L	0.13	4.53	189%			
Aroclor-1268	B	462271307001	9.324	ug/L	ND	0.67	113%	1.0		?v u
Aroclor-1268 Peak # 1	B	462271307001	13.65	ug/L	0.27	1.07	119%			
Aroclor-1268 Peak # 2	B	462271307001	22.38	ug/L	0.45	0.55	20%			
Aroclor-1268 Peak # 3	B	462271307001	3.363	ug/L	0.07	1.57	184%			
Aroclor-1268 Peak # 4	B	462271307001	2.970	ug/L	0.06	0.10	52%			
Aroclor-1268 Peak # 5	B	462271307001	4.264	ug/L	0.09	0.06	34%			

Surrogate	Ch	Cal	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	462252739001	26.37	pg/uL	1.000	0.5273	53	52-186	u
Decachlorobiphenyl (PCB)	A	462252739001	23.43	pg/uL	1.000	0.4686	**47***	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070722011)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1232125	1302634	5.72
1-bromo-2-nitrobenzene (PCB)	A	4377739	4497470	2.74

ISTD (ICAL gc07_070722016)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1268)	B	1258225	1297223	3.10
1-bromo-2-nitrobenzene (1268)	A	4484014	4491081	0.16

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070722011)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.30	4.30	0.00

ISTD (ICAL gc07_070722016)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1268)	B	4.48	4.47	-0.01
1-bromo-2-nitrobenzene (1268)	A	4.30	4.30	0.00

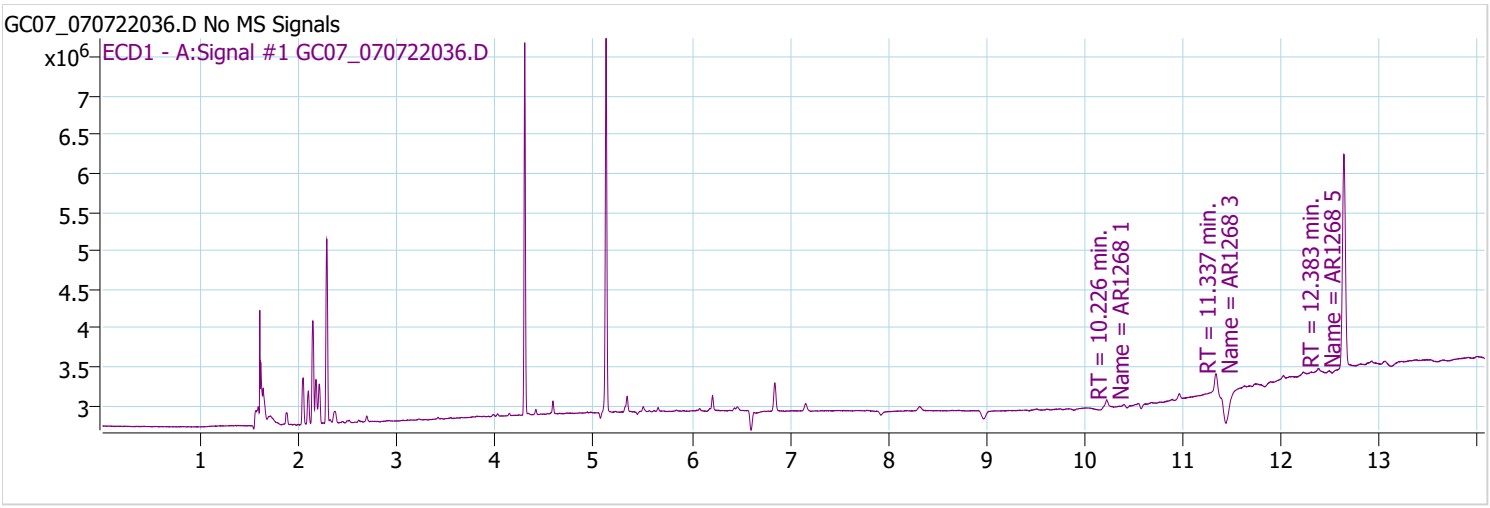
?=missing u=use v=ICV out

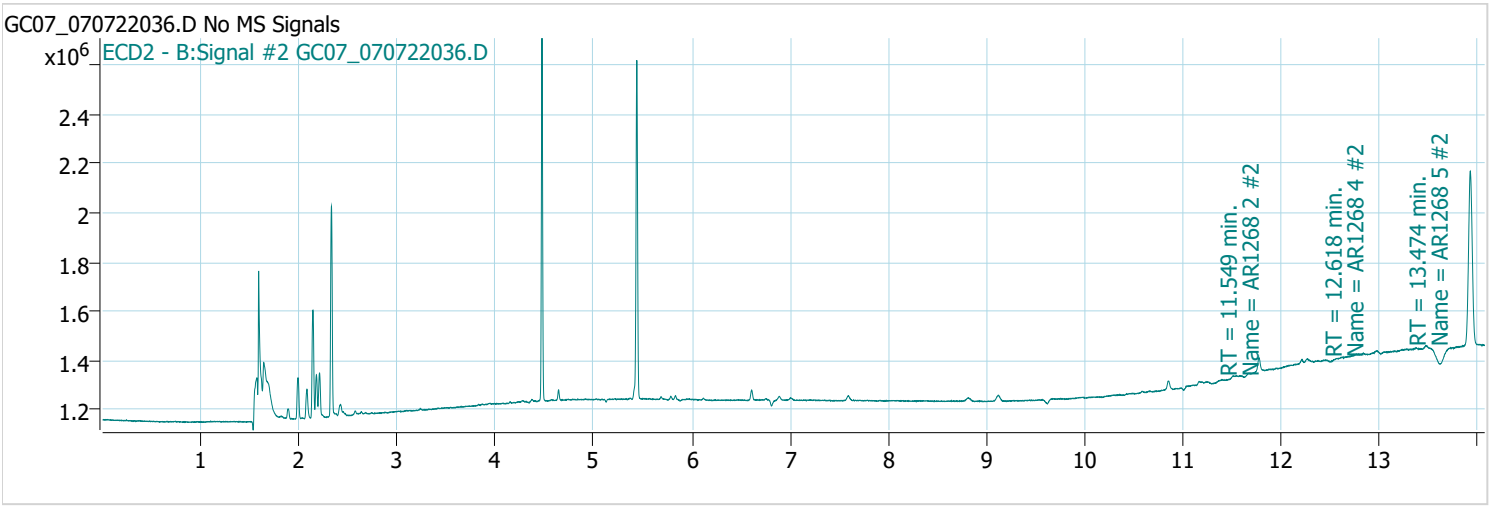
Analyst: TRN 07/08/22 *

Reviewer: LW 07/08/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC07_070722036.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/7/2022 9:42:26 PM
Sample Name	465031-005, 292307, 1	Instrument	SVOA-GC07
Vial	20	Multiplier	1.00
DA Method File	PCB_AR1268_070822_GC07_1.m	Comment	SOIL/10G-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	070822AR1268.batch.bin	Last Calib Update	7/8/2022 7:16:21 PM
Ref Library			



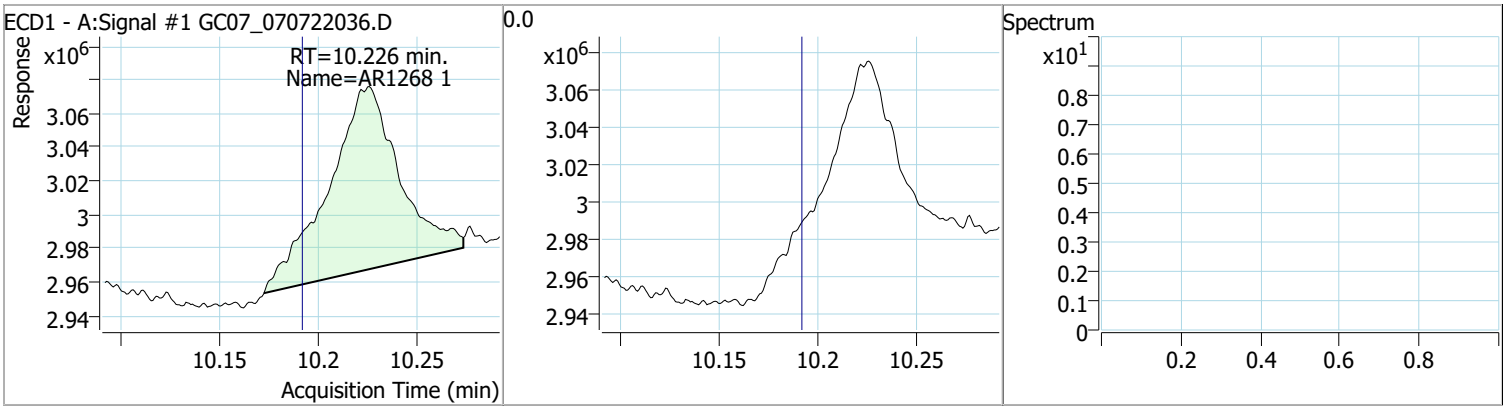


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (1268)	4.298	0.0	4491081.494	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (1268) #2	4.474	0.0	1297222.855	20.0000	ng/ml	-0.001
System Monitoring Compounds						
Target Compounds						**QValue**
T AR1268 1	10.226	0.0	272392.379	53.3769	ng/ml	100
T AR1268 2	10.544	0.0	178498.569	27.4839	ng/ml	100
T Aroclor-1268	11.223	0.0	524804.995	22.2933	ng/ml	
T AR1268 1 #2	11.164	0.0	20228.118	13.6470	ng/ml	100
T AR1268 3	11.337	0.0	1886619.519	78.4071	ng/ml	100
T AR1268 2 #2	11.549	0.0	43290.999	22.3765	ng/ml	100
T AR1268 4	11.623	0.0	97166.334	5.0606	ng/ml	100
T AR1268 3 #2	12.213	0.0	25079.802	3.3631	ng/ml	100
T AR1268 5	12.383	0.0	189348.174	3.0130	ng/ml	100
T Aroclor-1268 #2	12.204	0.0	38487.109	5.1891	ng/ml	

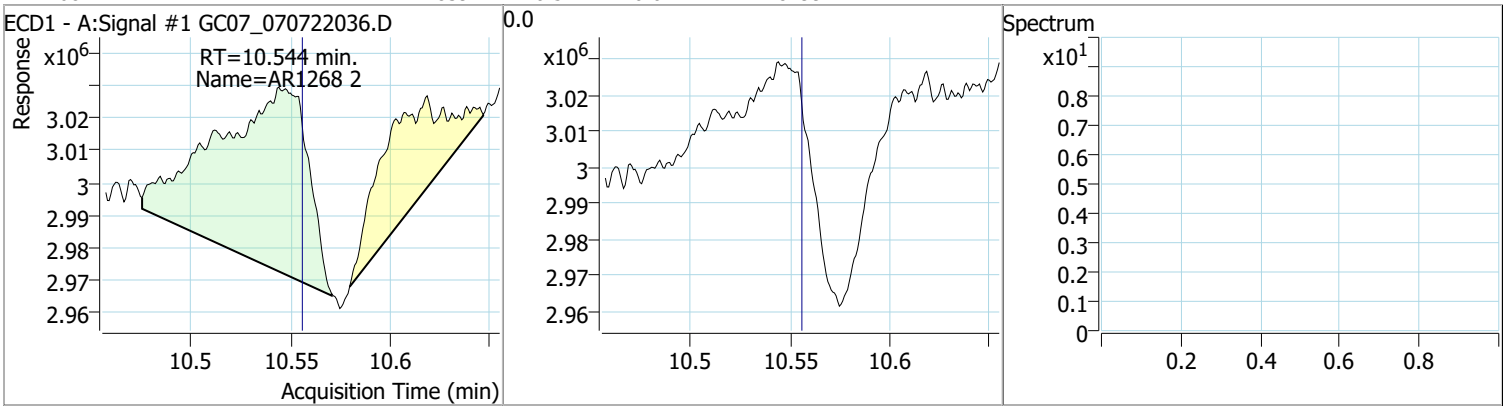
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1268 4 #2	12.618	0.0	18180.660	2.9703	ng/ml	100
T AR1268 5 #2	13.474	0.0	85655.967	4.2638	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

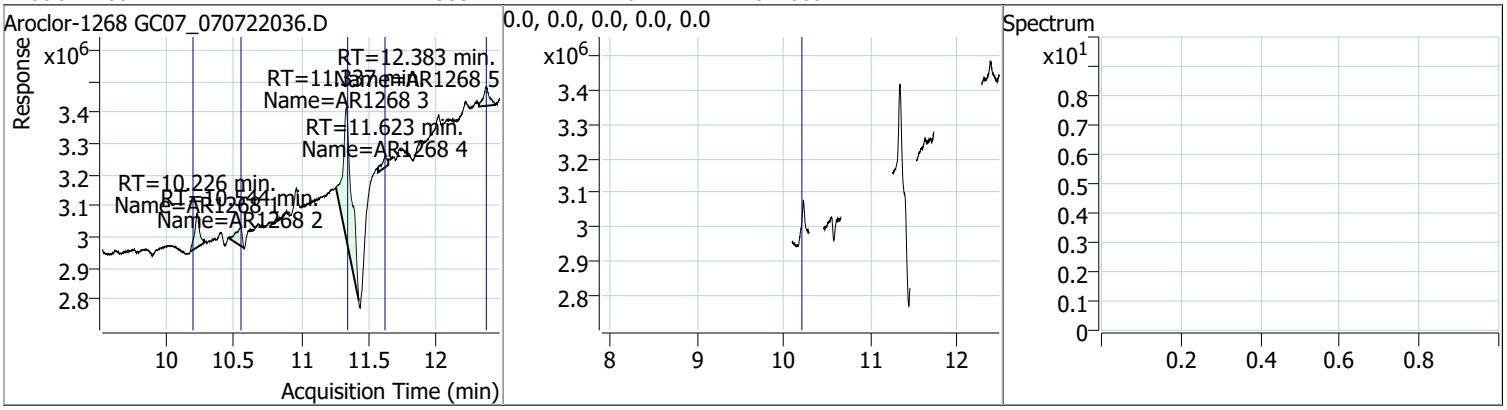
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1	53.3769	10.23	0.03	272392				



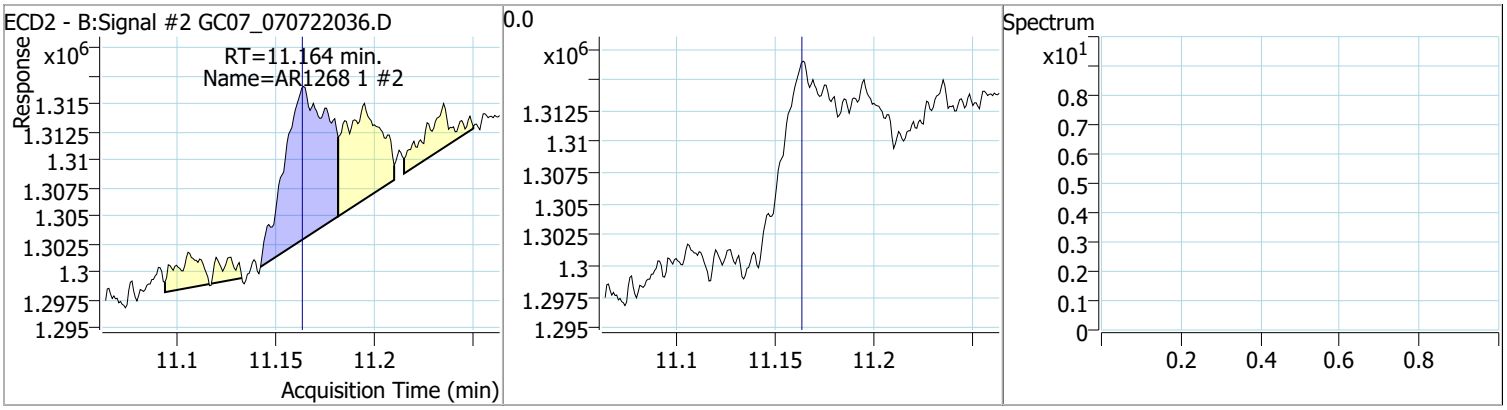
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2	27.4839	10.54	-0.01	178499				



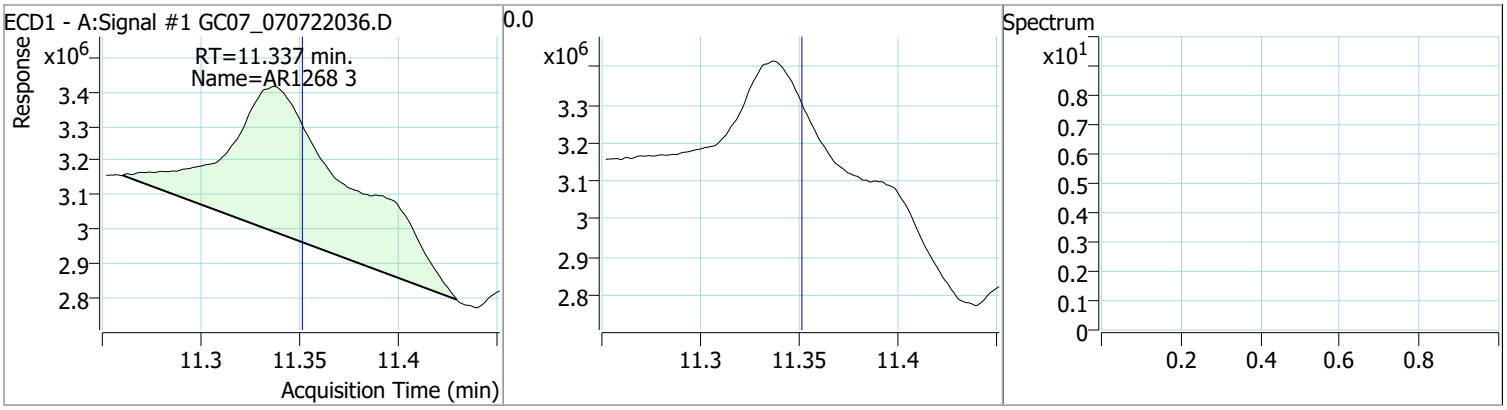
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268	22.2933	11.22	0.22	524805				



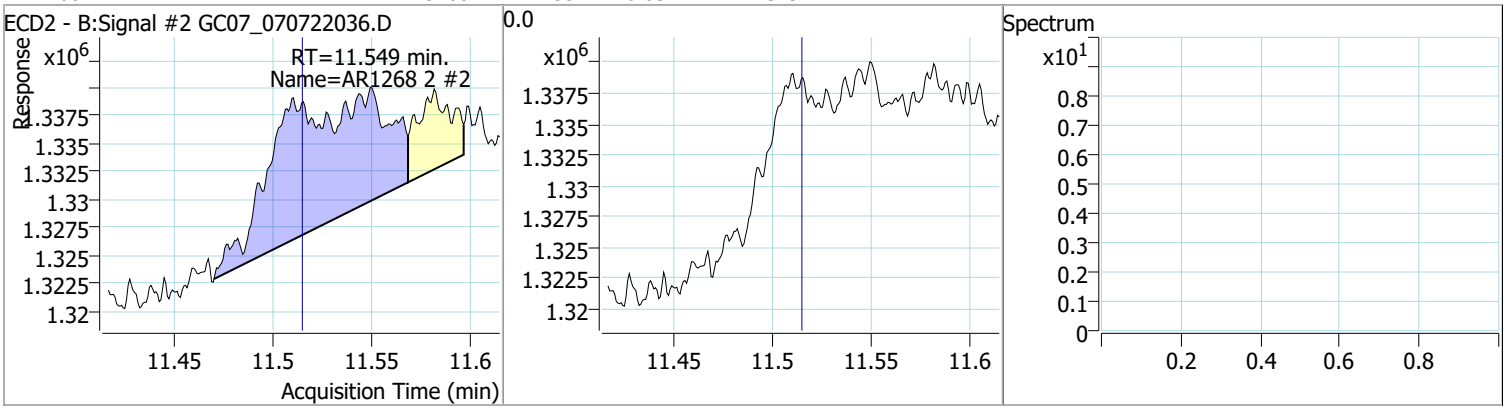
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1 #2	13.6470	11.16	0.00	20228				



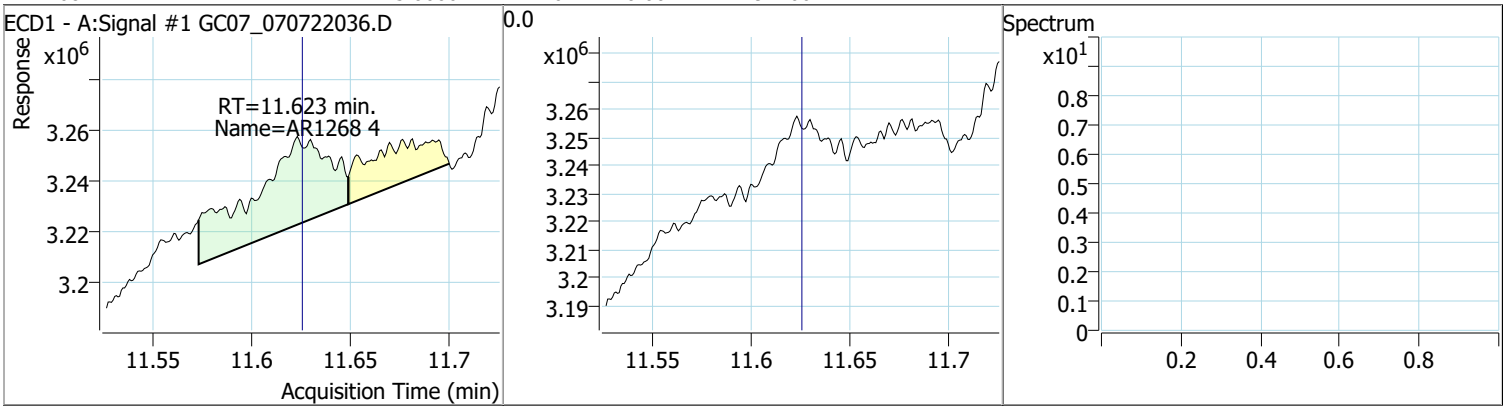
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3	78.4071	11.34	-0.02	1886620				



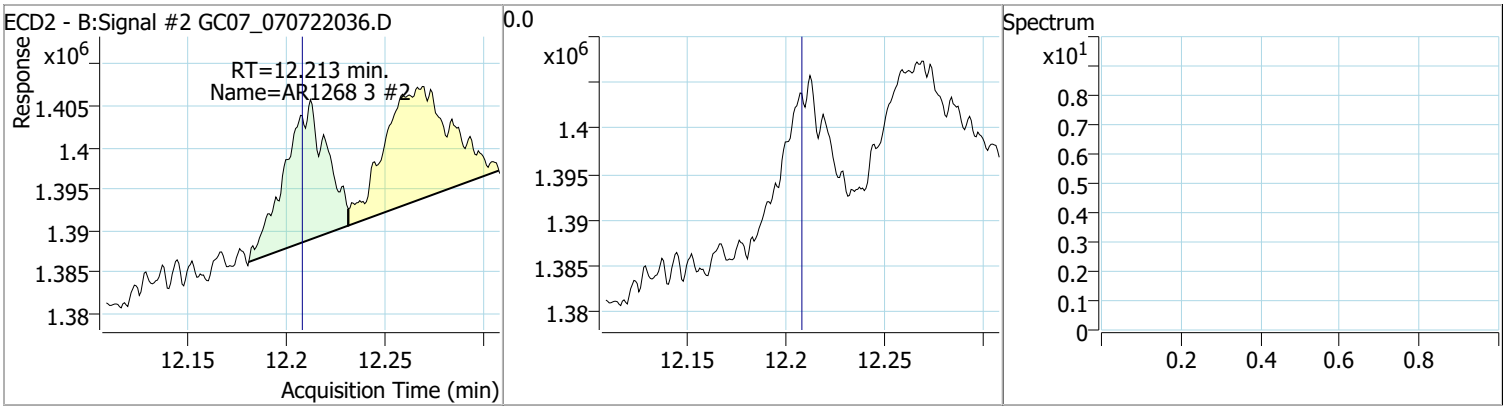
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2 #2	22.3765	11.55	0.03	43291				



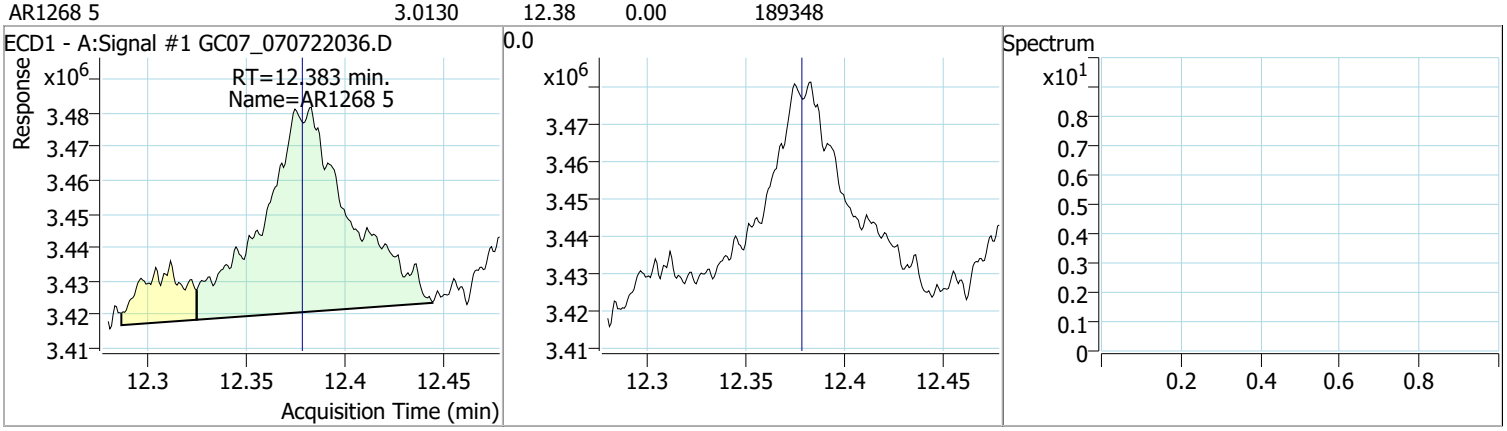
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4	5.0606	11.62	0.00	97166				



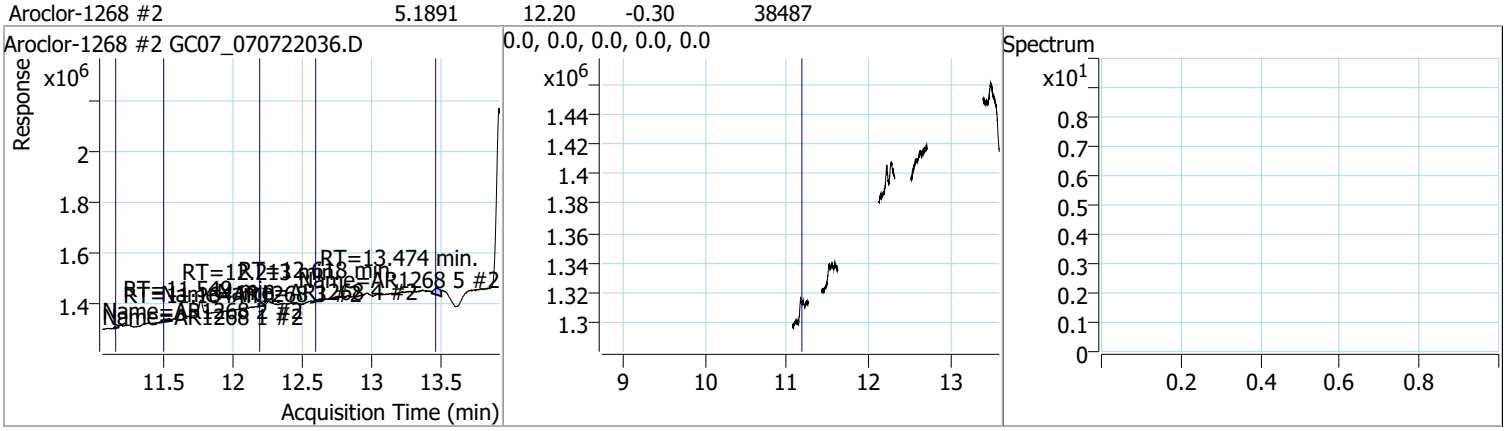
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3 #2	3.3631	12.21	0.00	25080				



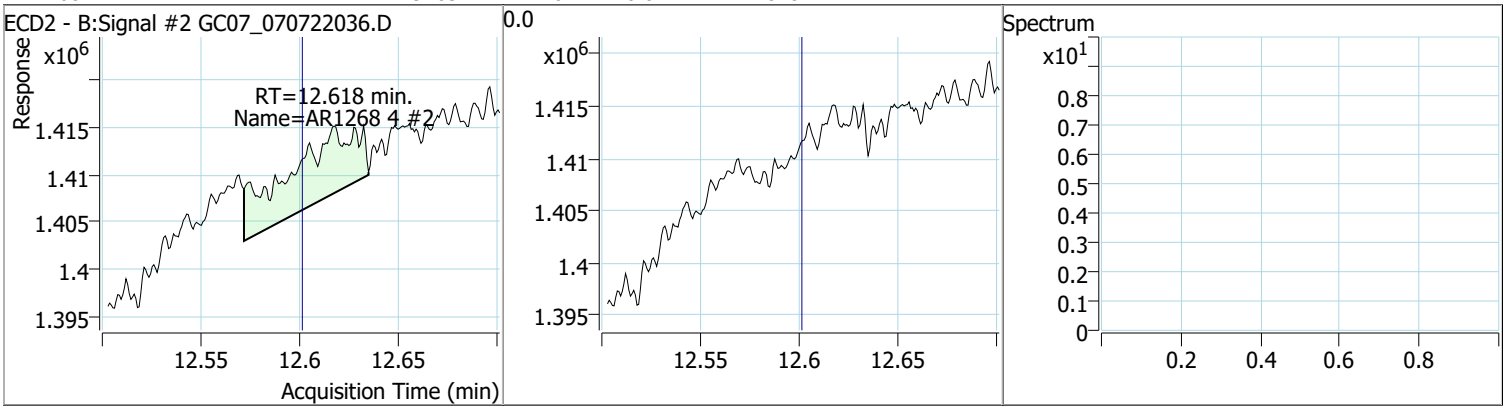
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5	3.0130	12.38	0.00	189348				



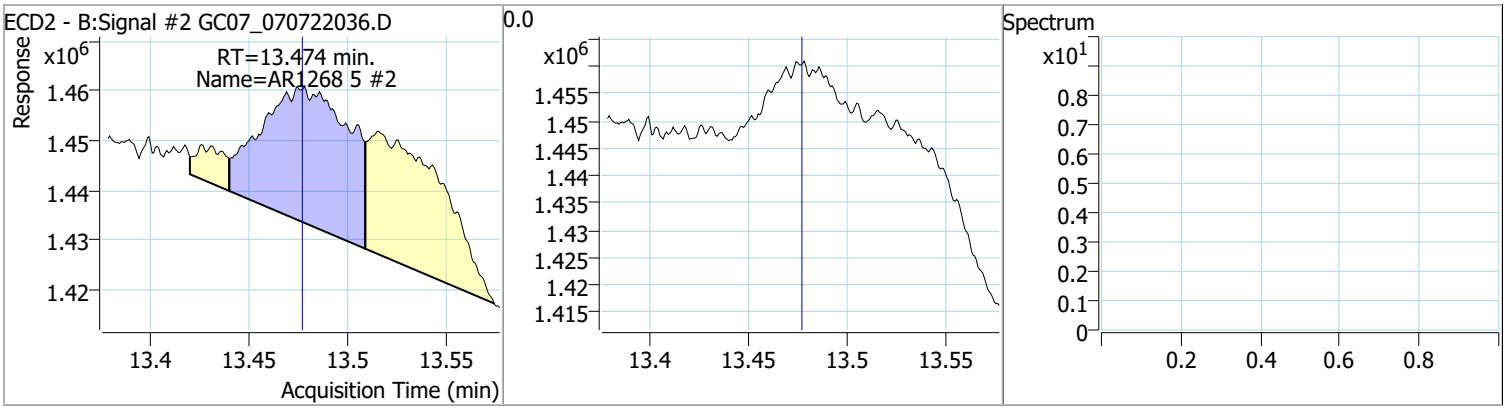
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268 #2	5.1891	12.20	-0.30	38487				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4 #2	2.9703	12.62	0.01	18181				

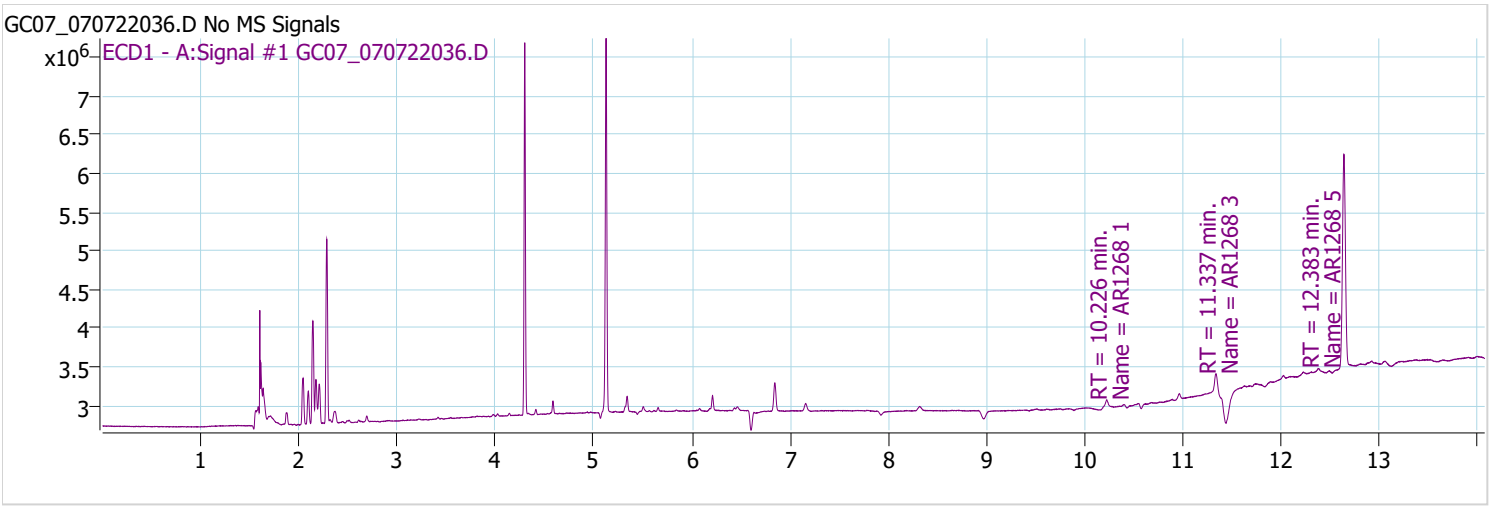


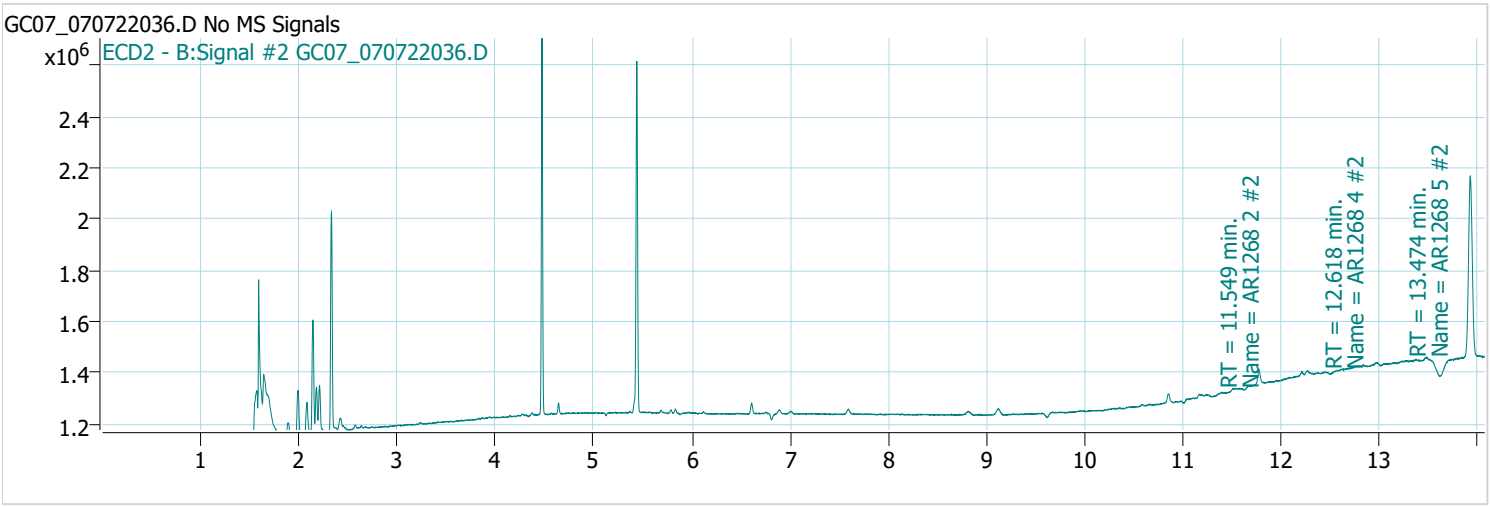
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5 #2	4.2638	13.47	0.00	85656				



Quantitation Results Report (Not Reviewed)

Data File	GC07_070722036.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/7/2022 9:42:26 PM
Sample Name	465031-005, 292307, 1	Instrument	SVOA-GC07
Vial	20	Multiplier	1.00
DA Method File		Comment	SOIL/10G-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	070822AR1268.batch.bin	Last Calib Update	7/8/2022 6:49:36 PM
Ref Library			



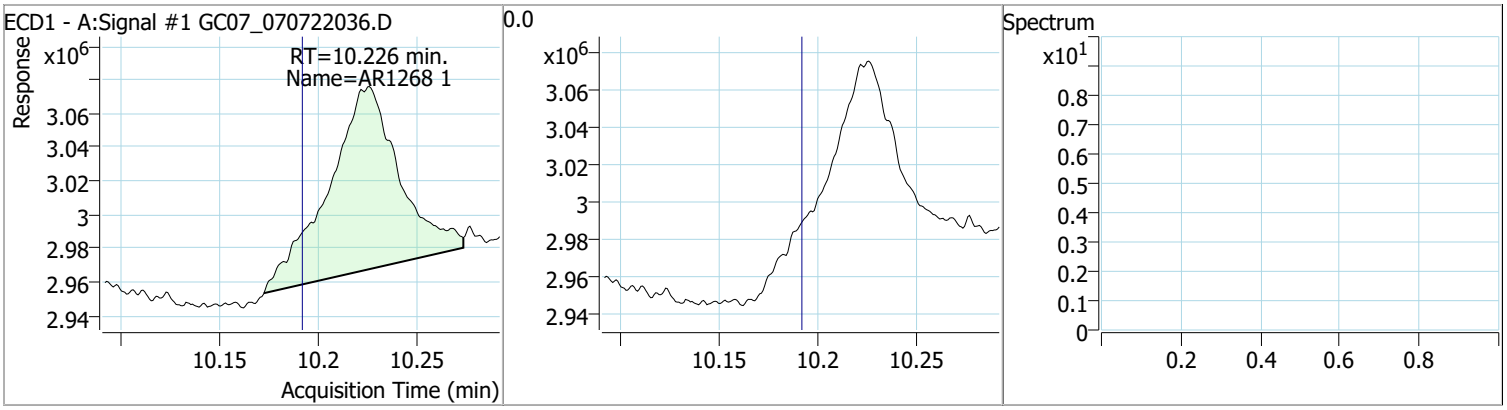


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (1268)	4.298	0.0	4491081.494	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (1268) #2	4.474	0.0	1297222.855	20.0000	ng/ml	-0.001
System Monitoring Compounds						
Target Compounds						**QValue**
T AR1268 1	10.226	0.0	272392.379	53.3769	ng/ml	100
T AR1268 2	10.544	0.0	178498.569	27.4839	ng/ml	100
T Aroclor-1268	11.223	0.0	524804.995	22.2933	ng/ml	
T AR1268 1 #2	11.164	0.0	20228.118	13.6470	ng/ml	100
T AR1268 3	11.337	0.0	1886619.519	78.4071	ng/ml	100
T AR1268 2 #2	11.549	0.0	43290.999	22.3765	ng/ml	100
T AR1268 4	11.623	0.0	97166.334	5.0606	ng/ml	100
T AR1268 3 #2	12.213	0.0	25079.802	3.3631	ng/ml	100
T AR1268 5	12.383	0.0	189348.174	3.0130	ng/ml	100
T Aroclor-1268 #2	12.204	0.0	38487.109	5.1891	ng/ml	

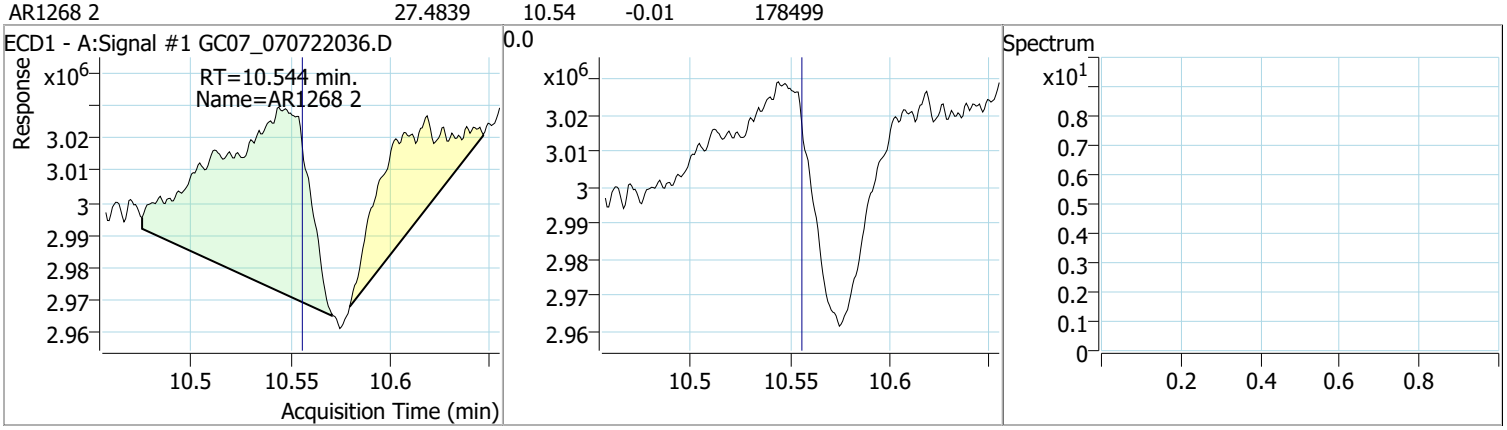
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1268 4 #2	12.618	0.0	18180.660	2.9703	ng/ml	100
T AR1268 5 #2	13.474	0.0	85655.967	4.2638	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

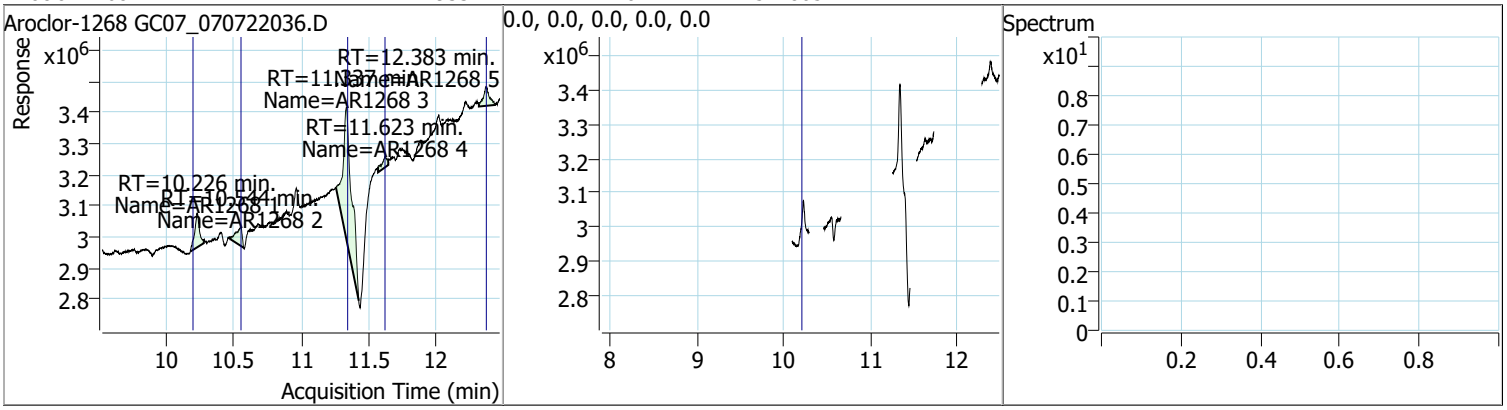
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1	53.3769	10.23	0.03	272392				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2	27.4839	10.54	-0.01	178499				

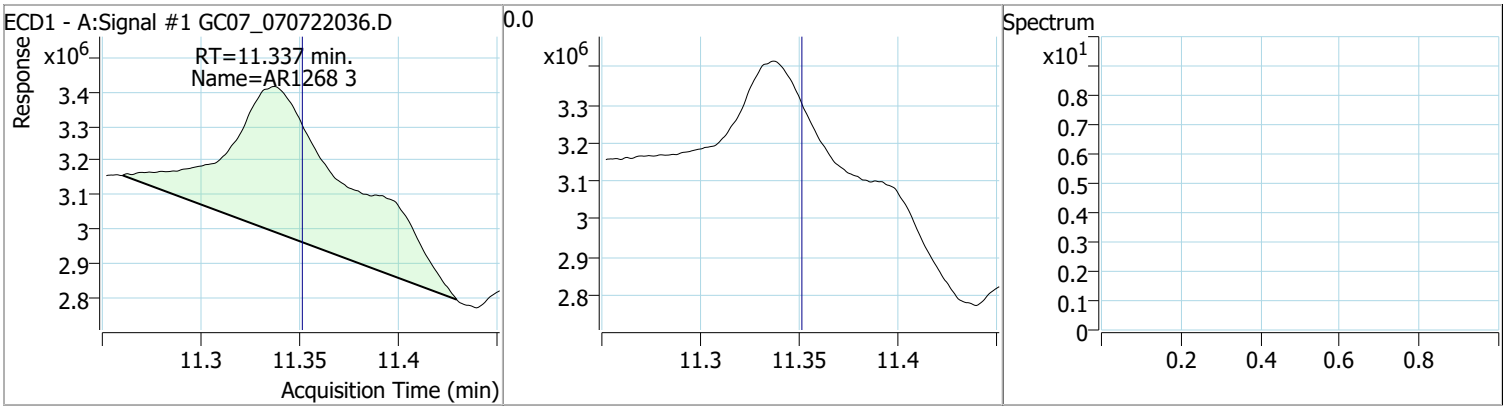


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268	22.2933	11.22	0.22	524805				

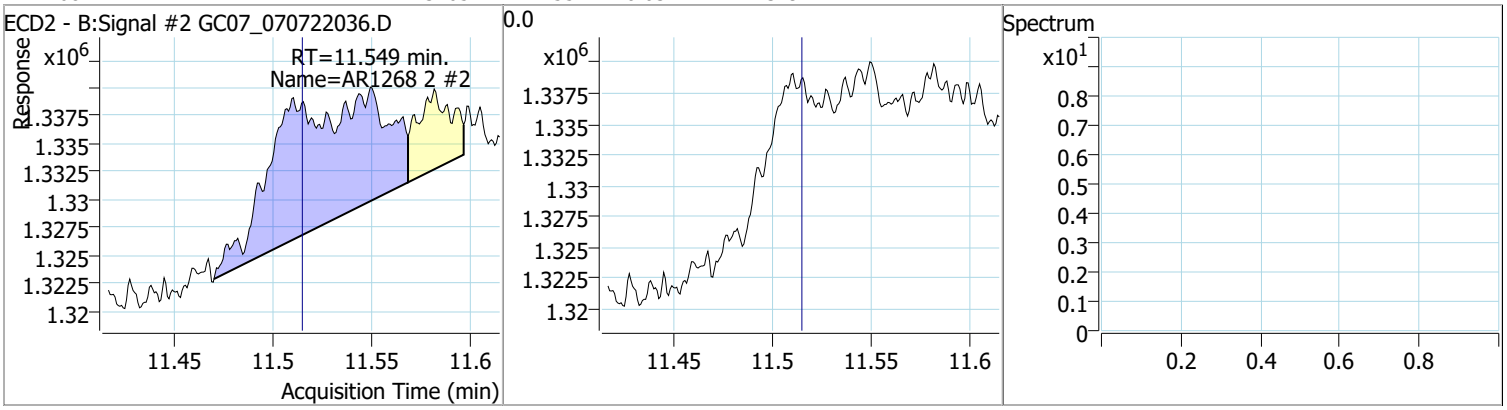


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1 #2	13.6470	11.16	0.00	20228				

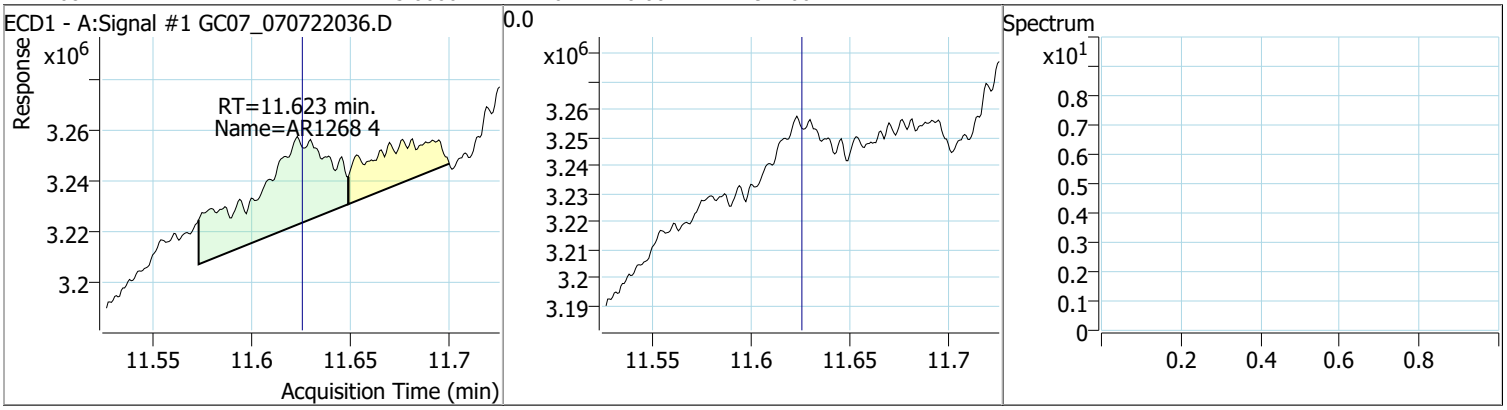
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3	78.4071	11.34	-0.02	1886620				



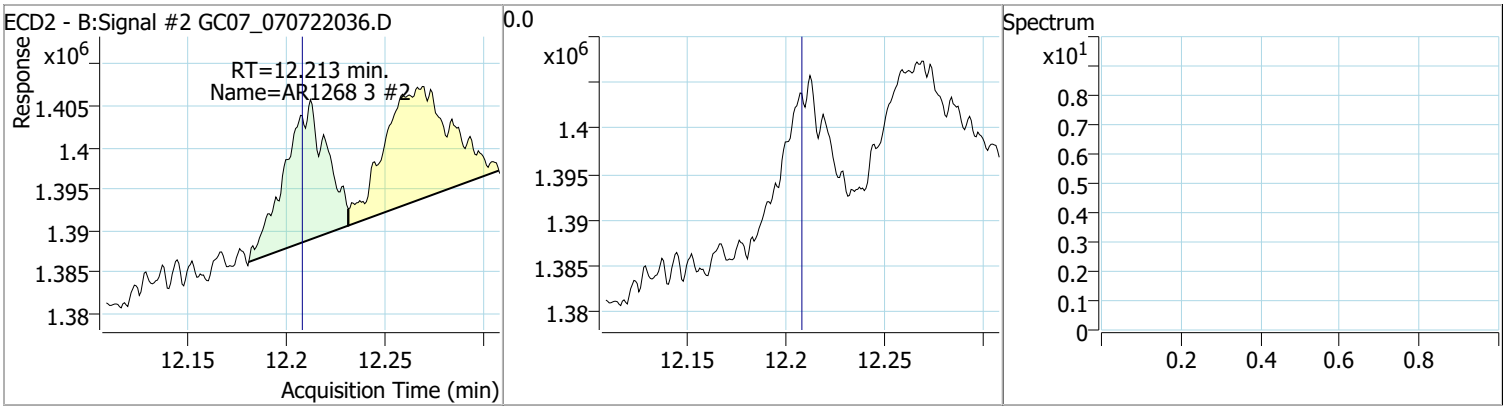
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2 #2	22.3765	11.55	0.03	43291				



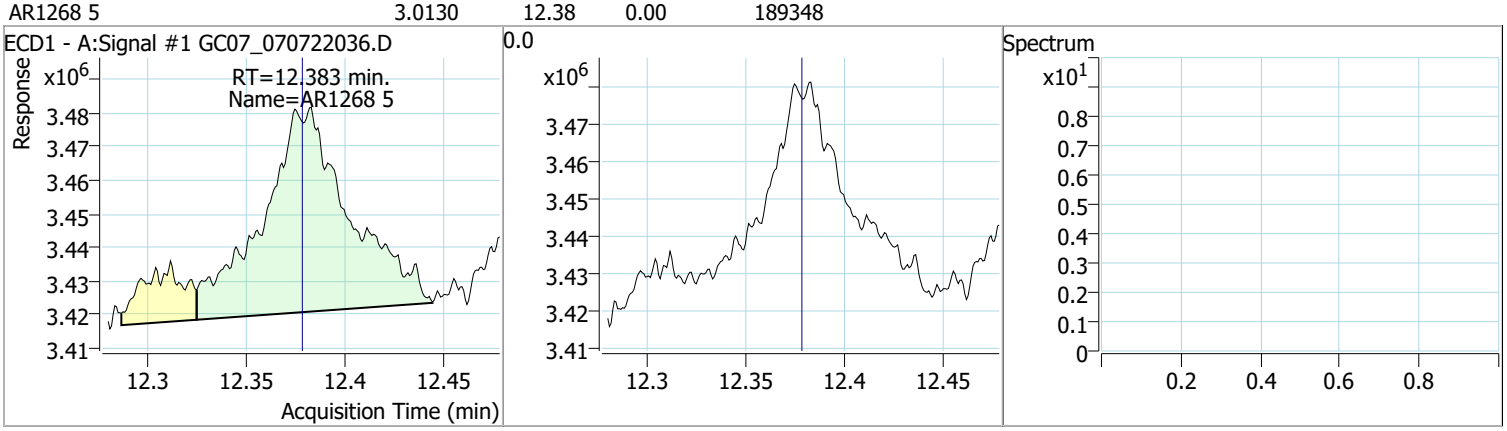
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4	5.0606	11.62	0.00	97166				



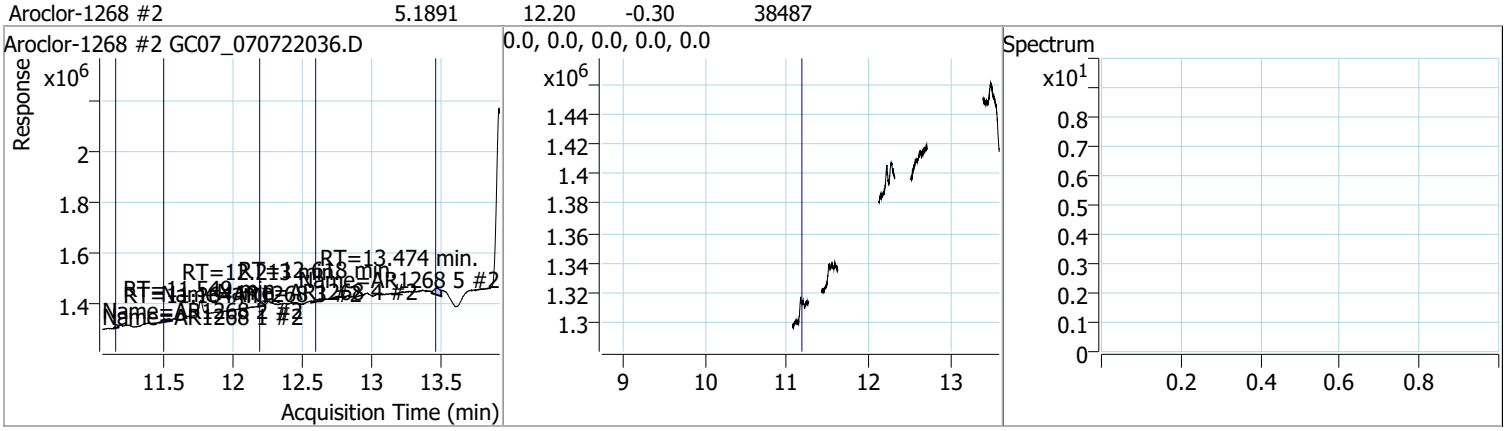
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3 #2	3.3631	12.21	0.00	25080				



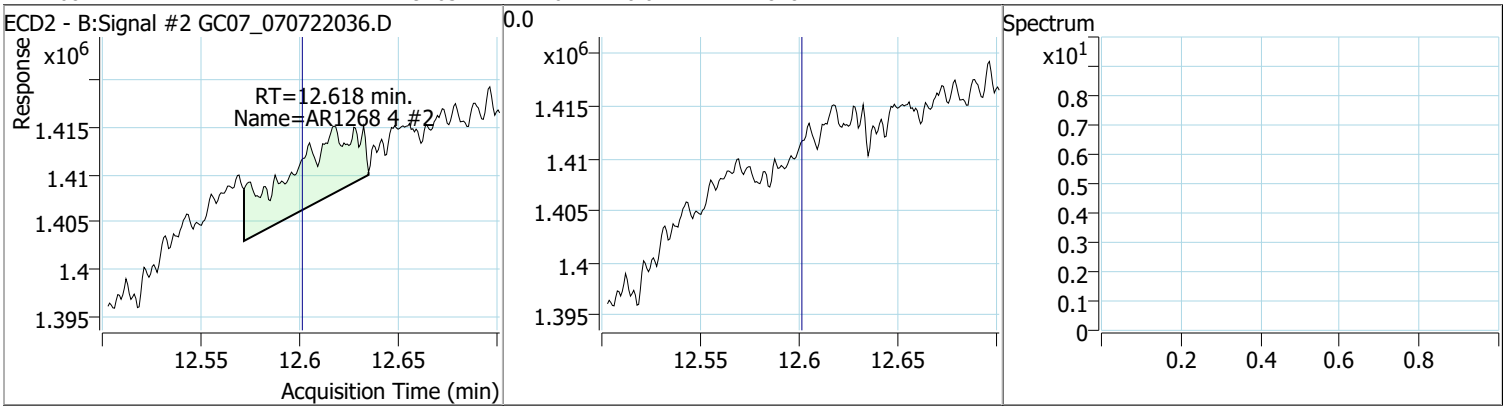
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5	3.0130	12.38	0.00	189348				



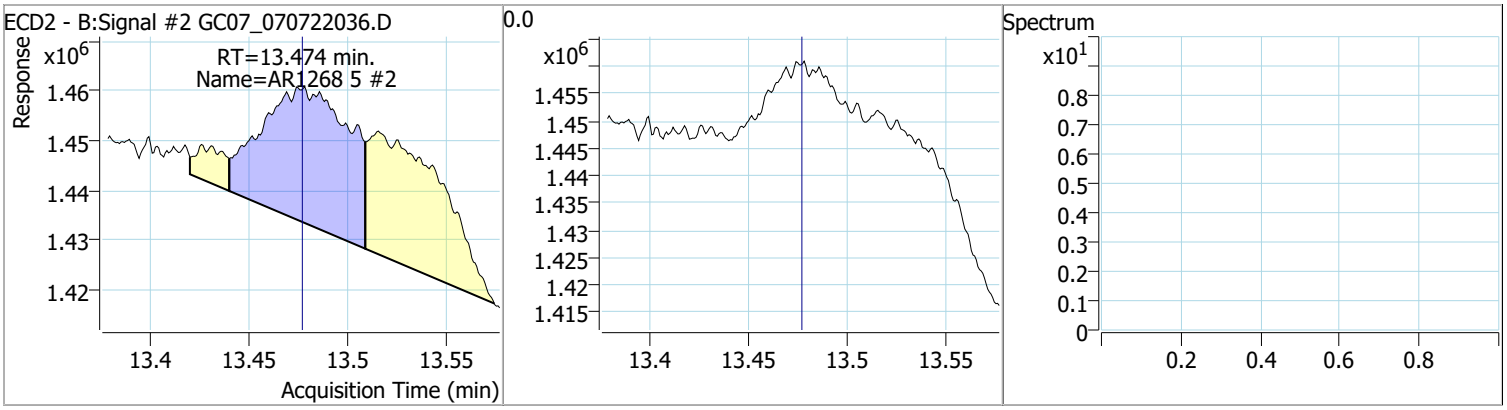
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268 #2	5.1891	12.20	-0.30	38487				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4 #2	2.9703	12.62	0.01	18181				

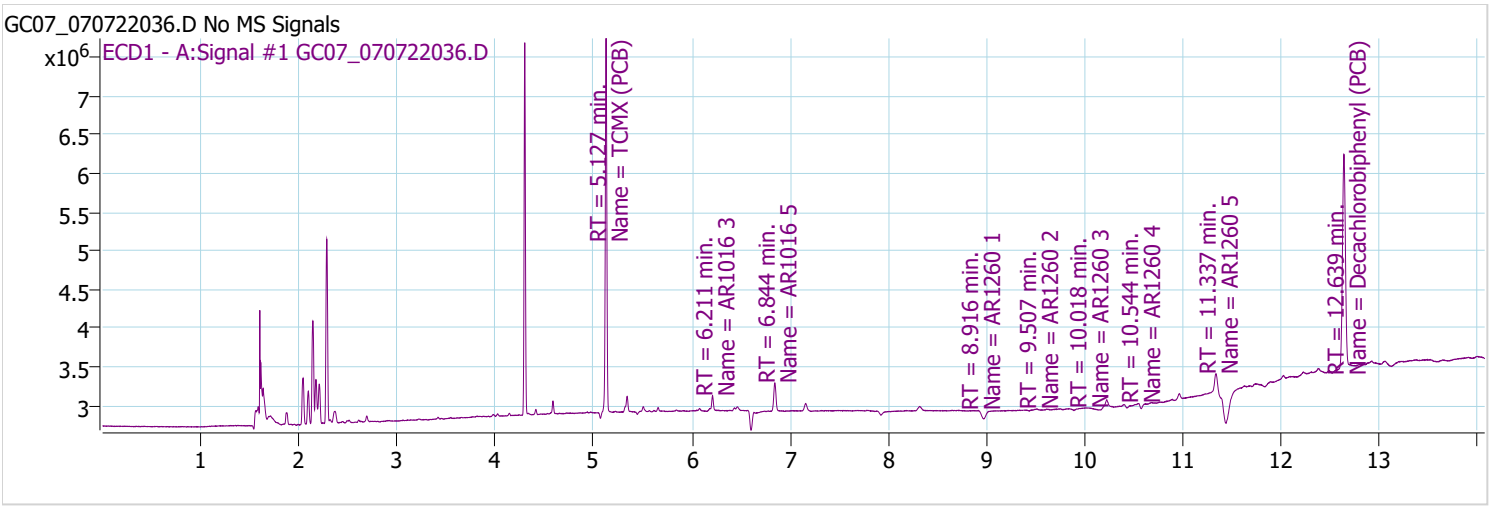


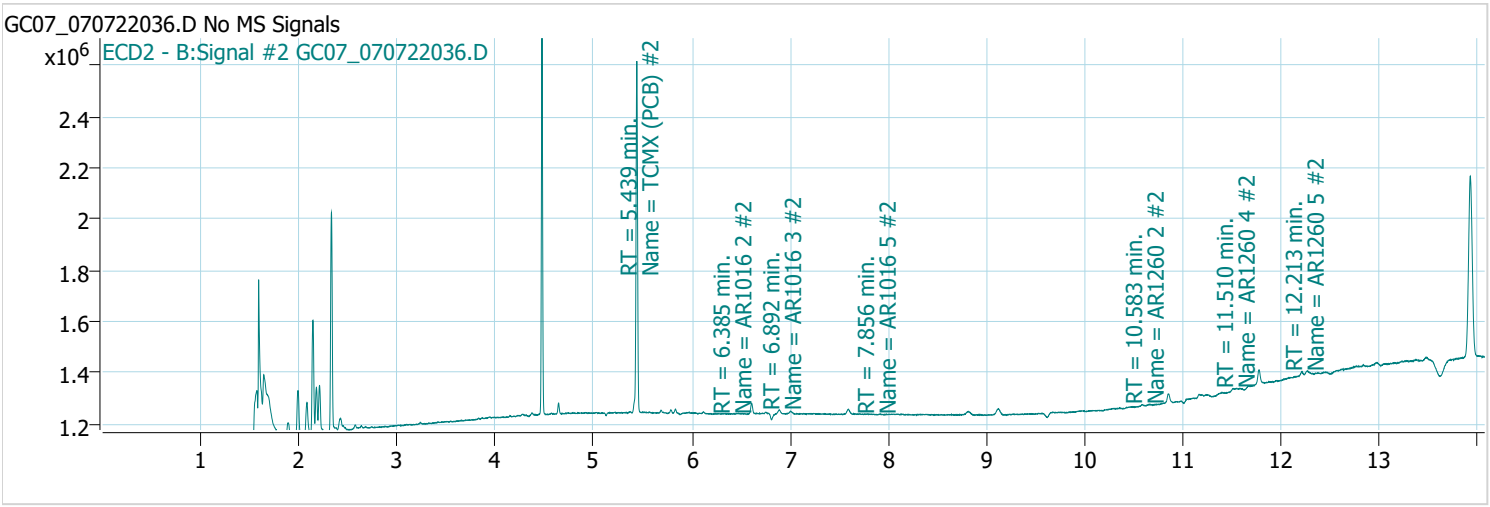
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5 #2	4.2638	13.47	0.00	85656				



Quantitation Results Report (Not Reviewed)

Data File	GC07_070722036.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/7/2022 9:42:26 PM
Sample Name	465031-005, 292307, 1	Instrument	SVOA-GC07
Vial	20	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_6.m	Comment	SOIL/10G-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	070722PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



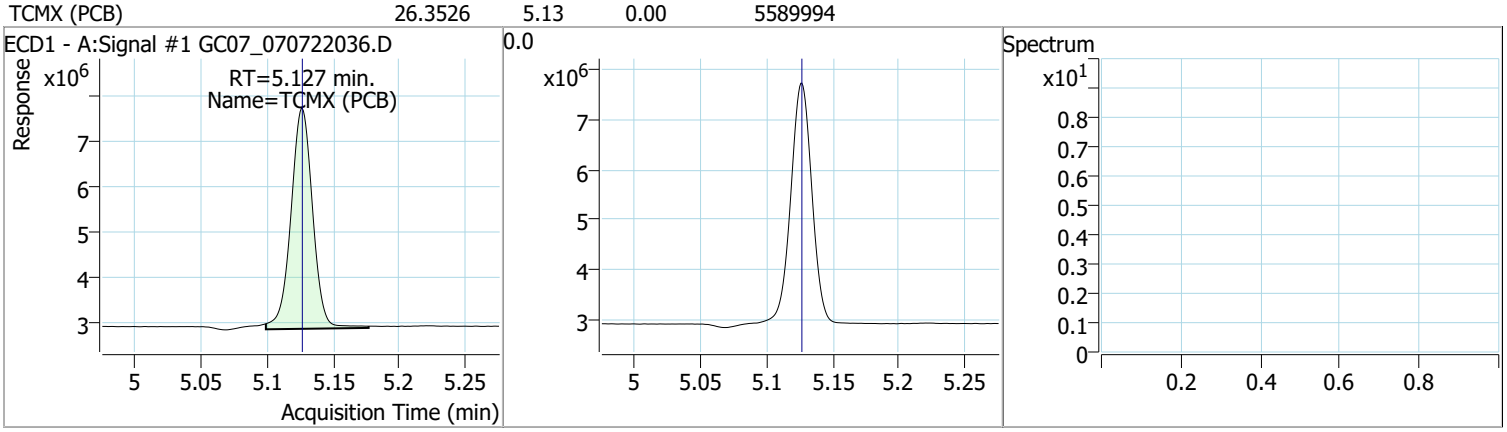


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.299	0.0	4497470.025	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.474	0.0	1302634.463	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.127	0.0	5589994.474	26.3526	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 131.76%		
S TCMX (PCB) #2	5.439	0.0	1533754.699	25.9444	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 129.72%		
S Decachlorobiphenyl (PCB)	12.639	0.0	5882881.476	23.4159	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 117.08%		
S Decachlorobiphenyl (PCB) #2	13.926	0.0	1862591.538	23.2208	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 116.10%		
Target Compounds						QValue

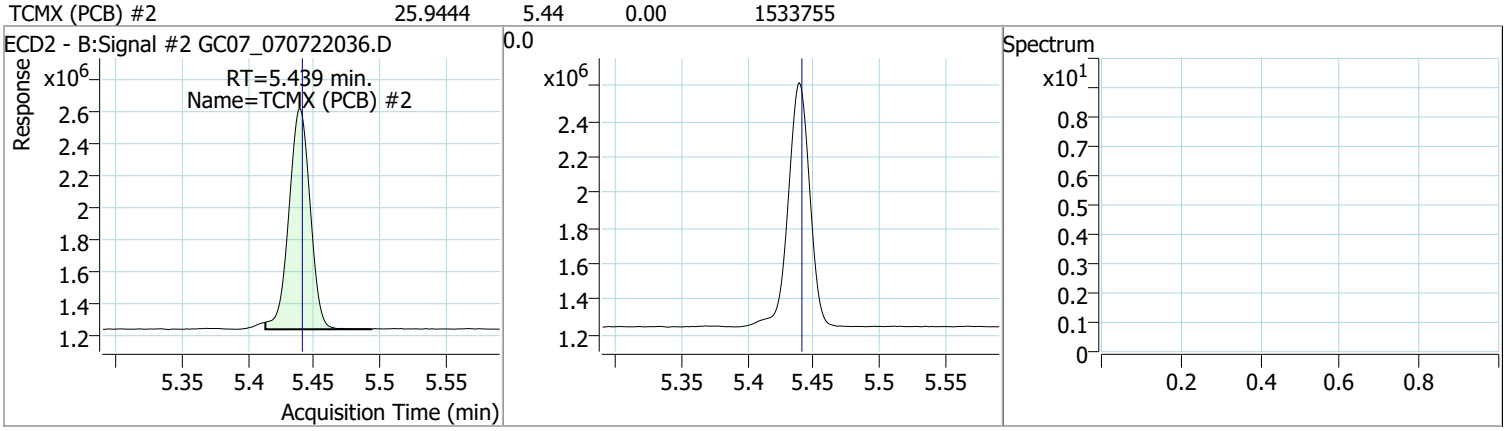
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.504	0.0	214155.745	49.6339	ng/ml	100
T AR1016 2	5.839	0.0	44699.034	4.7799	ng/ml	100
T AR1016 1 #2	5.908	0.0	9687.346	7.3847	ng/ml	100
T AR1016 3	6.211	0.0	300350.047	27.7363	ng/ml	100
T AR1016 2 #2	6.385	0.0	1013.954	0.3550	ng/ml	100
T AR1016 4	6.434	0.0	49728.704	6.3861	ng/ml	100
T AR1016 5	6.844	0.0	600569.074	92.5893	ng/ml	100
T AR1016 3 #2	6.892	0.0	154539.329	47.1639	ng/ml	100
T AR1016 4 #2	7.110	0.0	1111.229	0.4886	ng/ml	100
T AR1016 5 #2	7.856	0.0	1732.165	0.9118	ng/ml	100
T AR1260 1	8.916	0.0	401126.477	29.2844	ng/ml	100
T AR1260 2	9.507	0.0	63017.369	3.2049	ng/ml	100
T AR1260 3	10.018	0.0	282823.606	14.1936	ng/ml	100
T AR1260 1 #2	10.303	0.0	10061.359	2.4388	ng/ml	100
T AR1260 4	10.544	0.0	173913.042	17.0731	ng/ml	100
T AR1260 2 #2	10.583	0.0	11292.827	2.4638	ng/ml	100
T AR1260 3 #2	11.106	0.0	39151.072	6.9398	ng/ml	100
T AR1260 5	11.337	0.0	2118563.187	226.5354	ng/ml	100
T AR1260 4 #2	11.510	0.0	26282.646	8.3035	ng/ml	100
T AR1260 5 #2	12.213	0.0	30429.019	6.6898	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

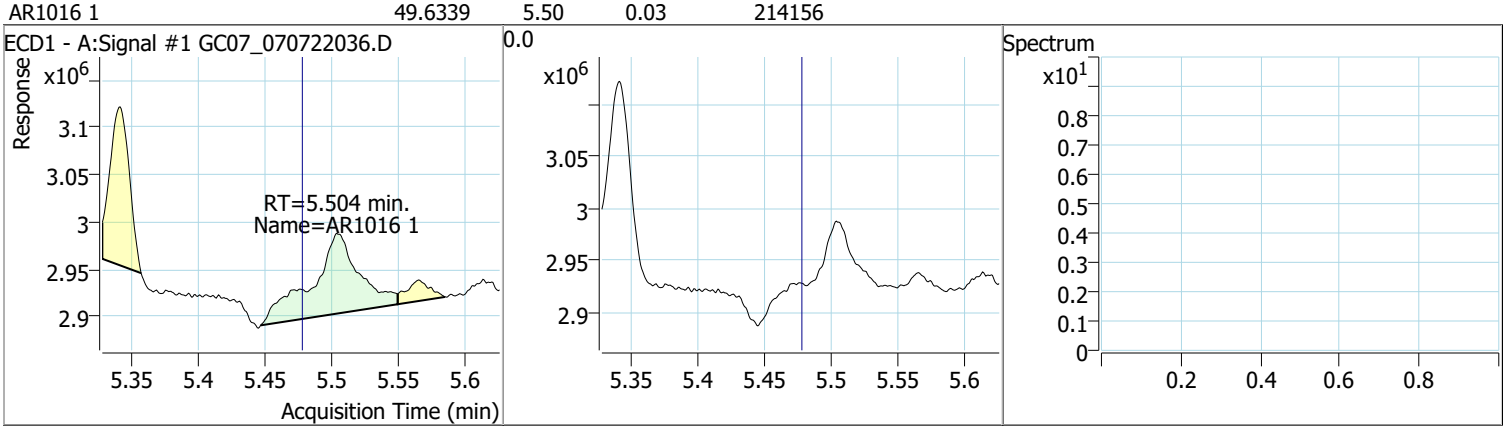
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	26.3526	5.13	0.00	5589994				



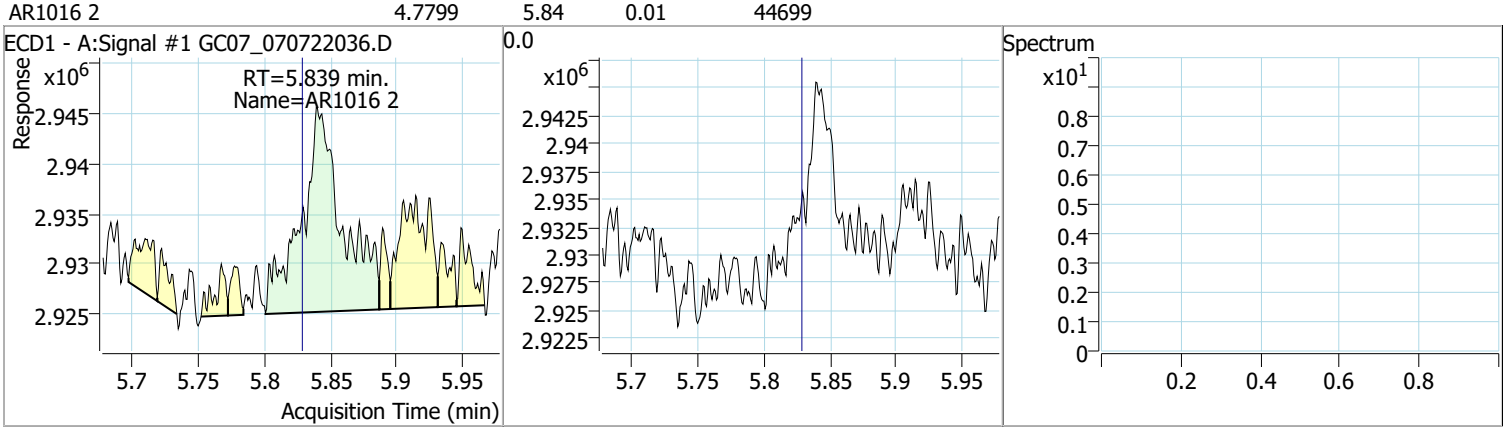
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	25.9444	5.44	0.00	1533755				



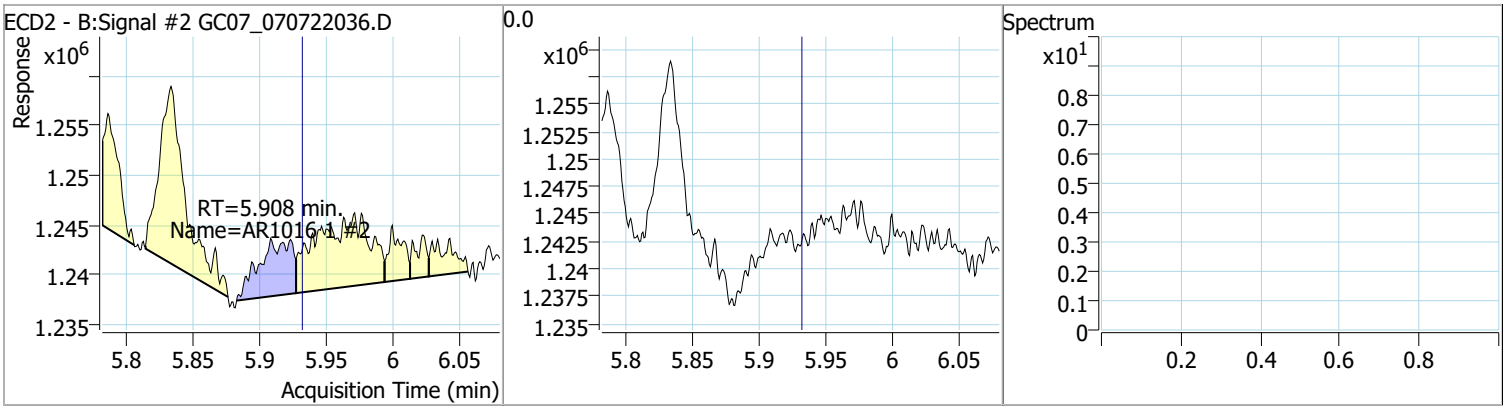
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	49.6339	5.50	0.03	214156				



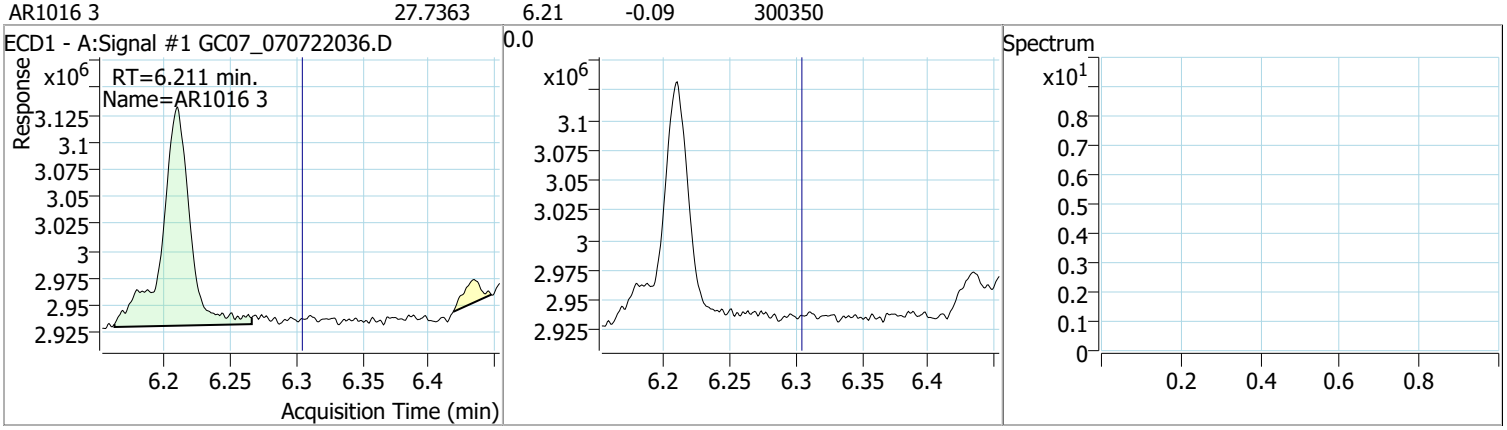
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	4.7799	5.84	0.01	44699				



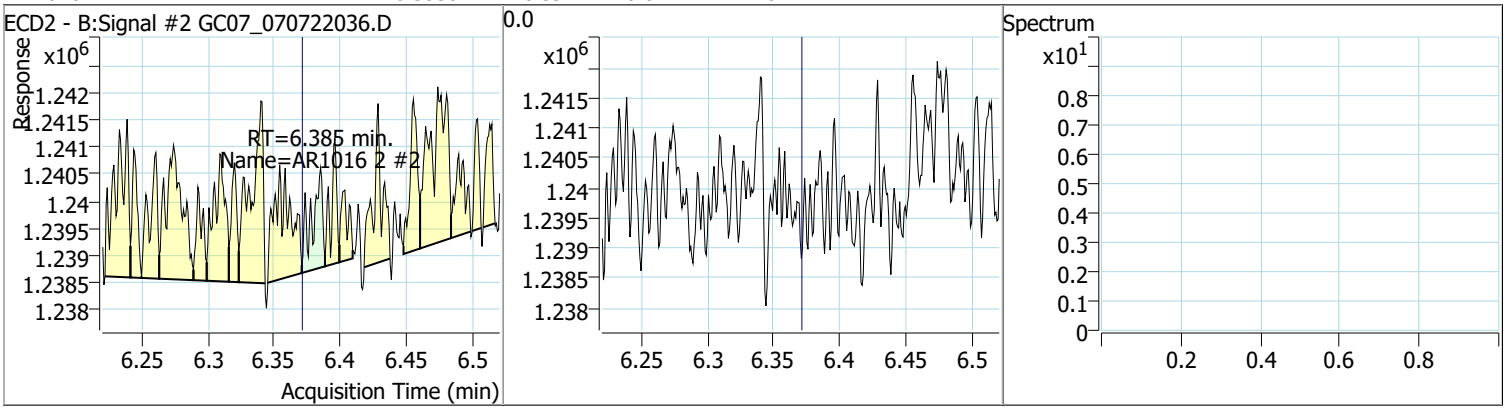
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	7.3847	5.91	-0.02	9687				



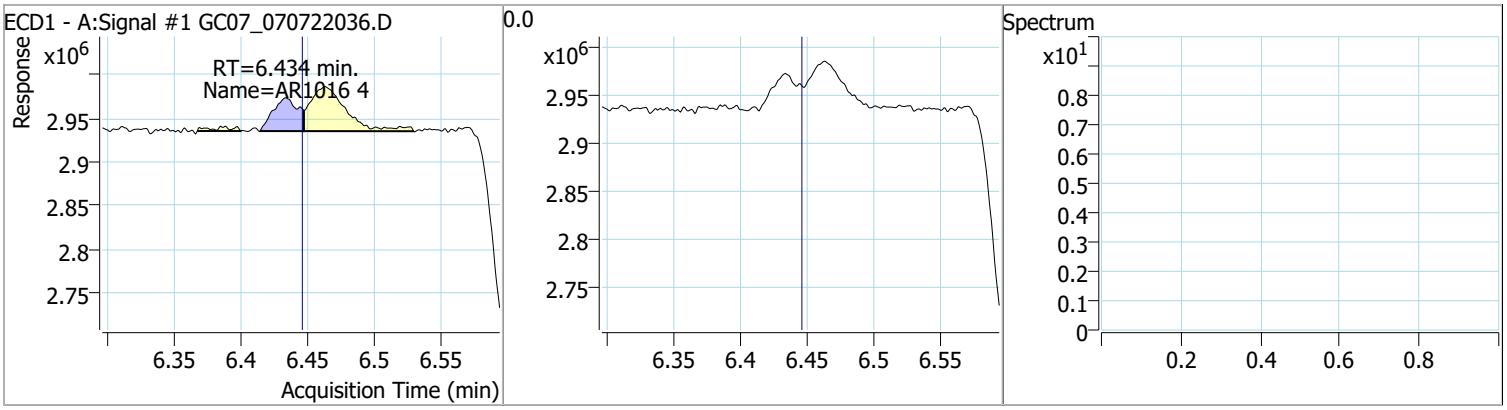
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	27.7363	6.21	-0.09	300350				



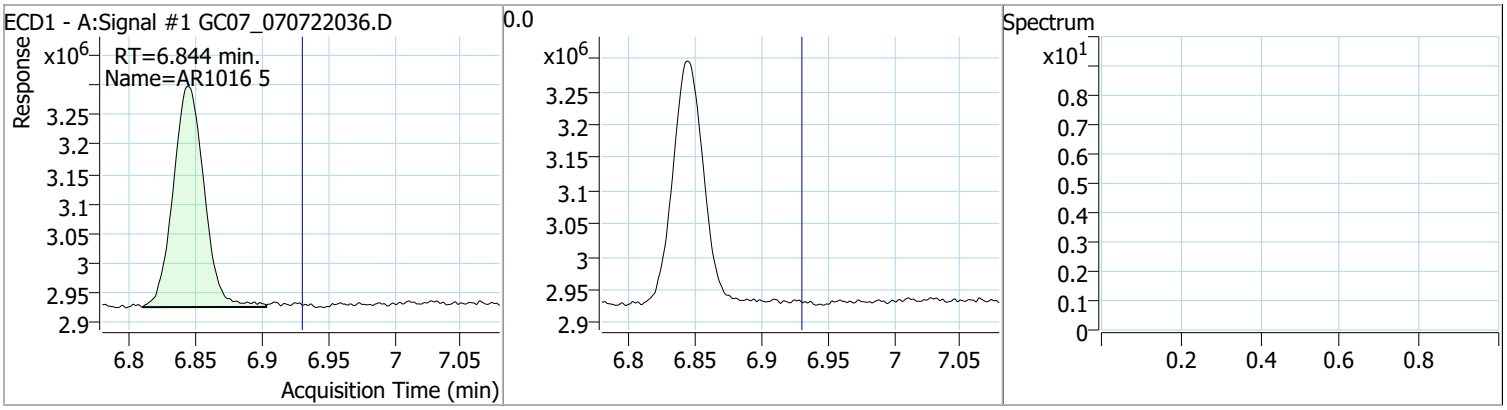
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	0.3550	6.39	0.01	1014				



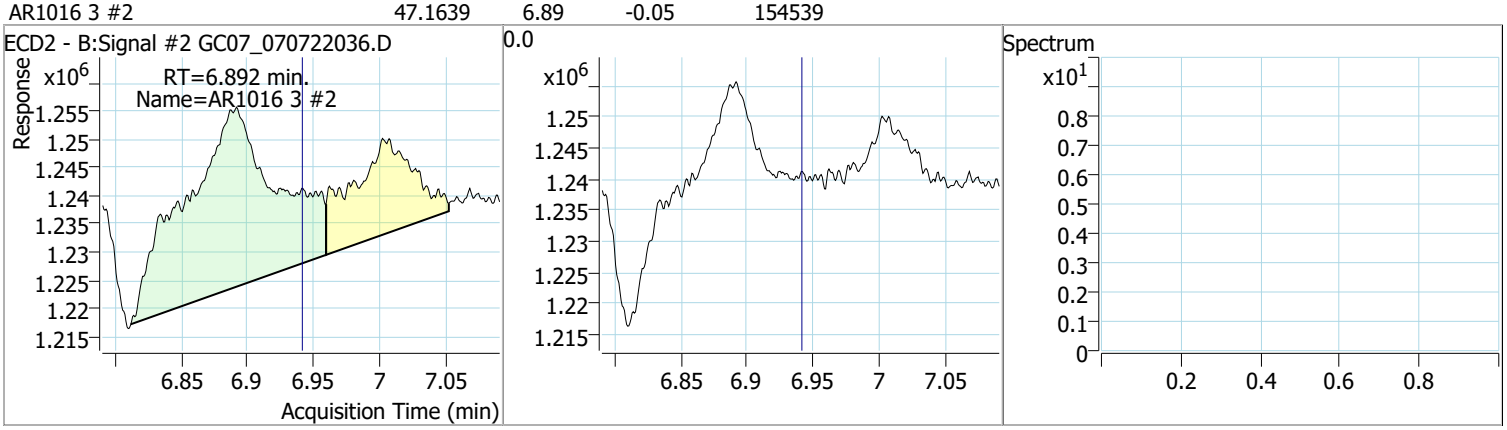
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	6.3861	6.43	-0.01	49729				



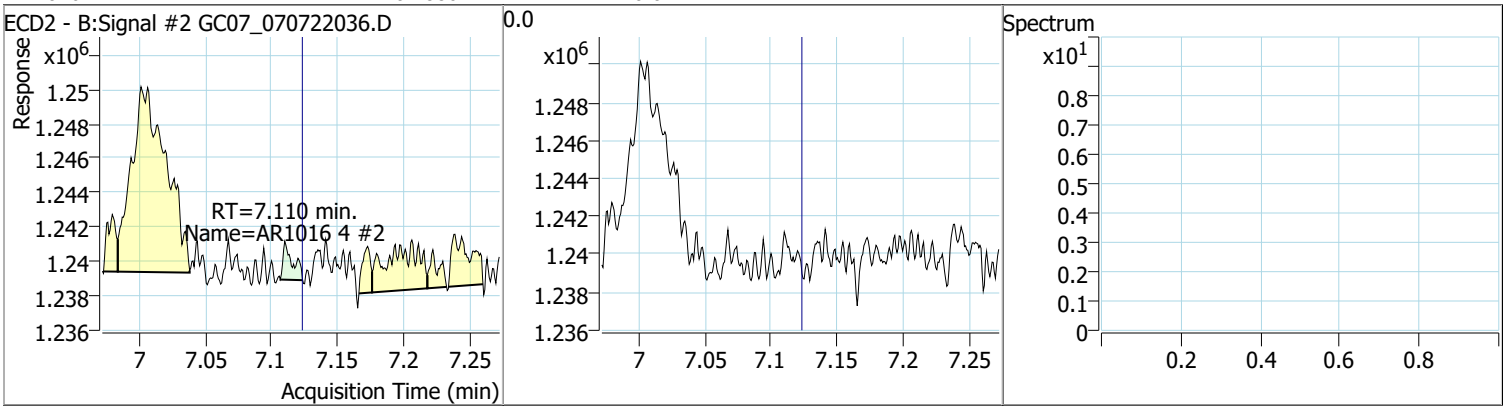
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	92.5893	6.84	-0.09	600569				



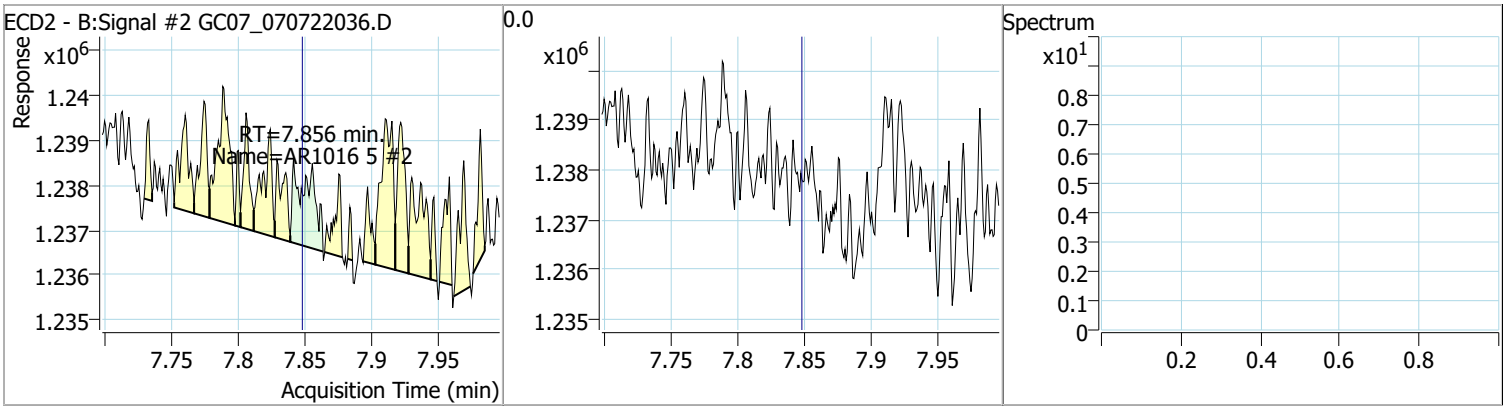
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	47.1639	6.89	-0.05	154539				



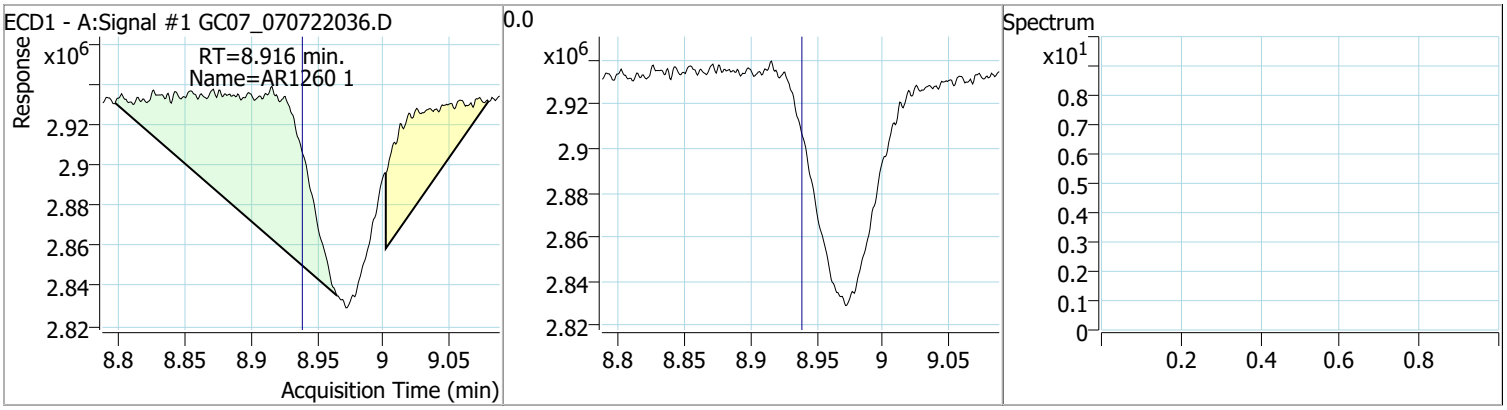
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.4886	7.11	-0.01	1111				



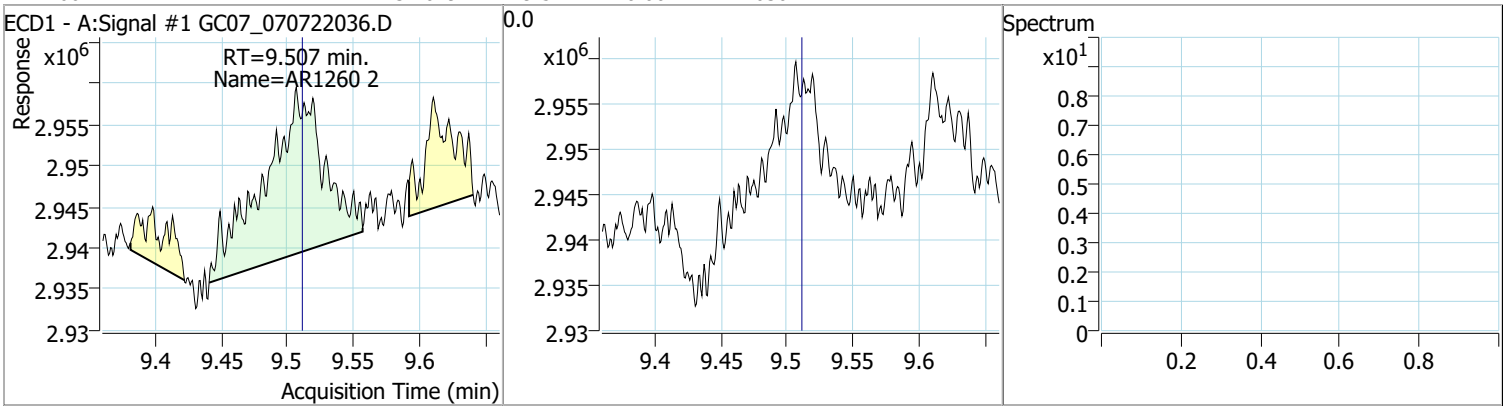
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.9118	7.86	0.01	1732				



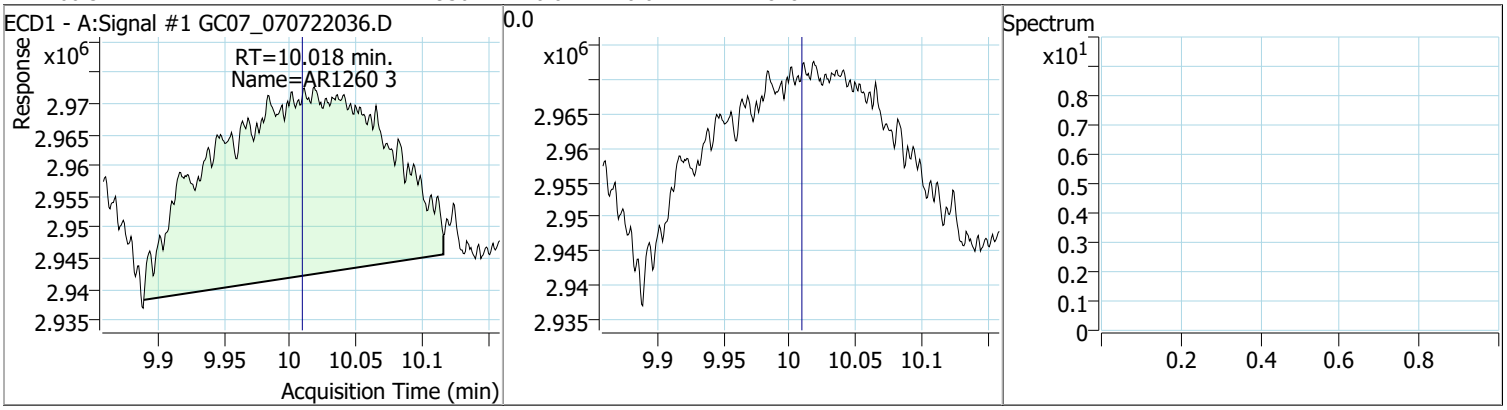
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	29.2844	8.92	-0.02	401126				



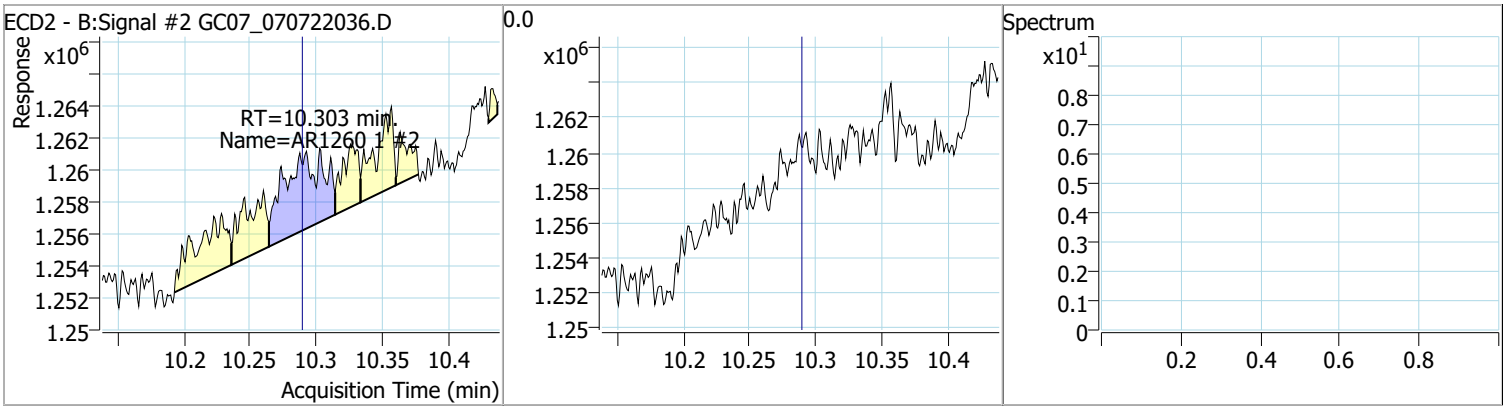
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	3.2049	9.51	0.00	63017				



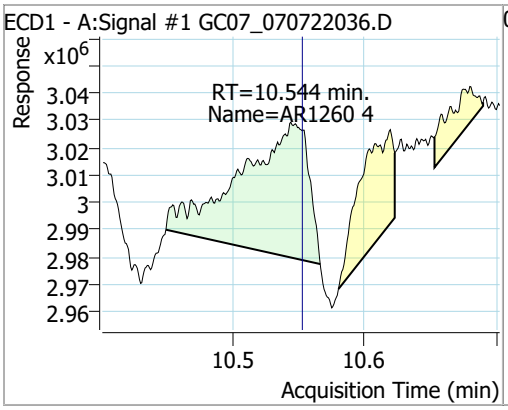
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	14.1936	10.02	0.01	282824				

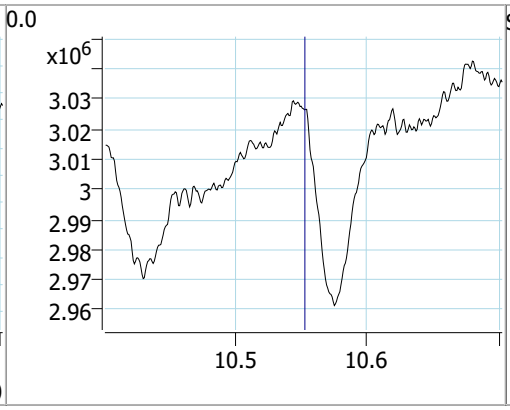


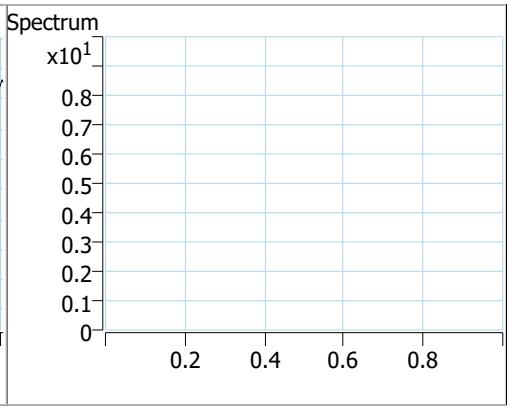
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	2.4388	10.30	0.01	10061				



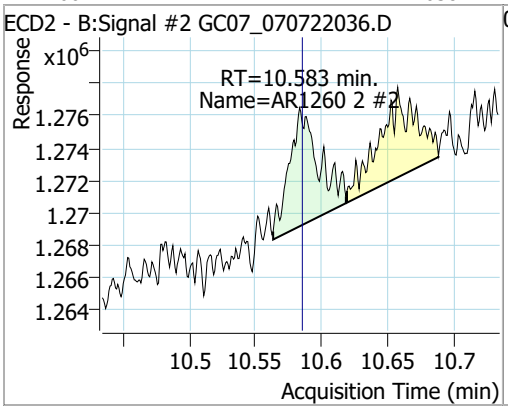
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	17.0731	10.54	-0.01	173913				

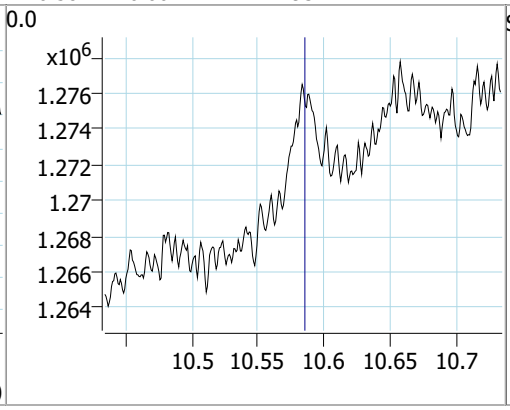


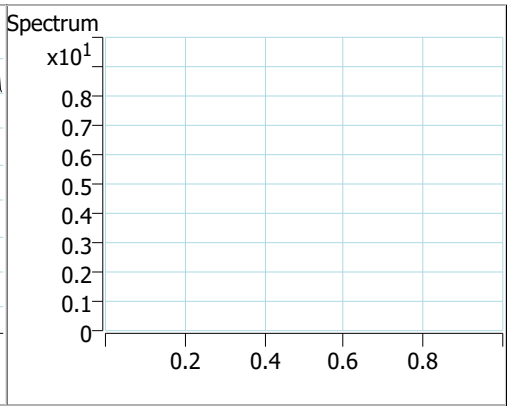




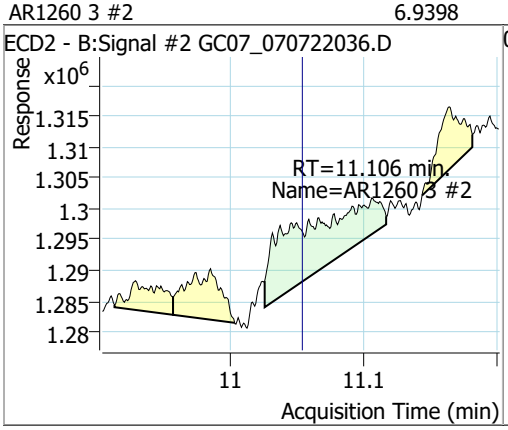
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	2.4638	10.58	0.00	11293				

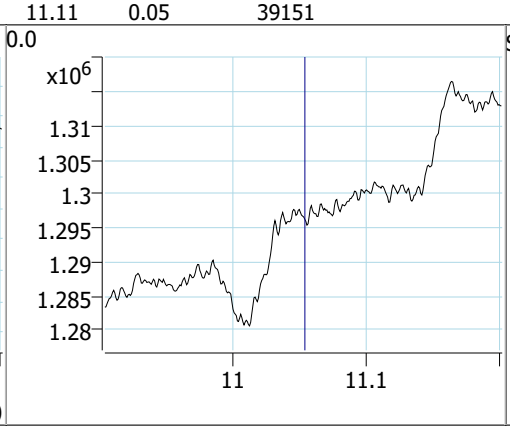


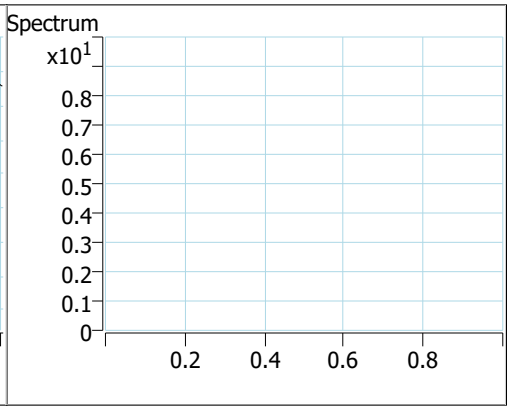




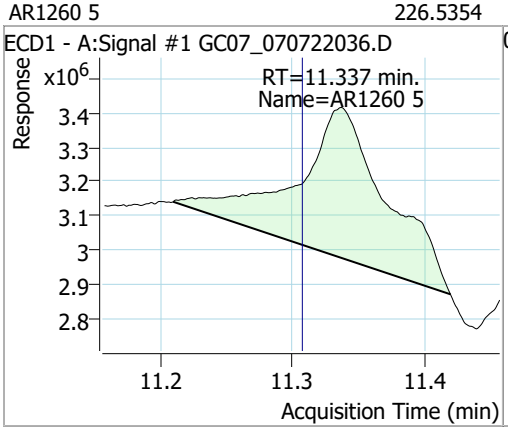
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	6.9398	11.11	0.05	39151				

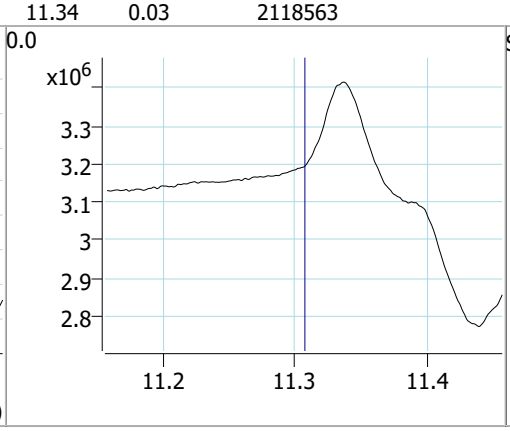


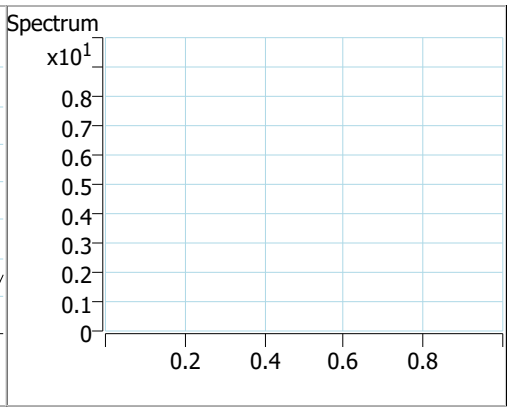




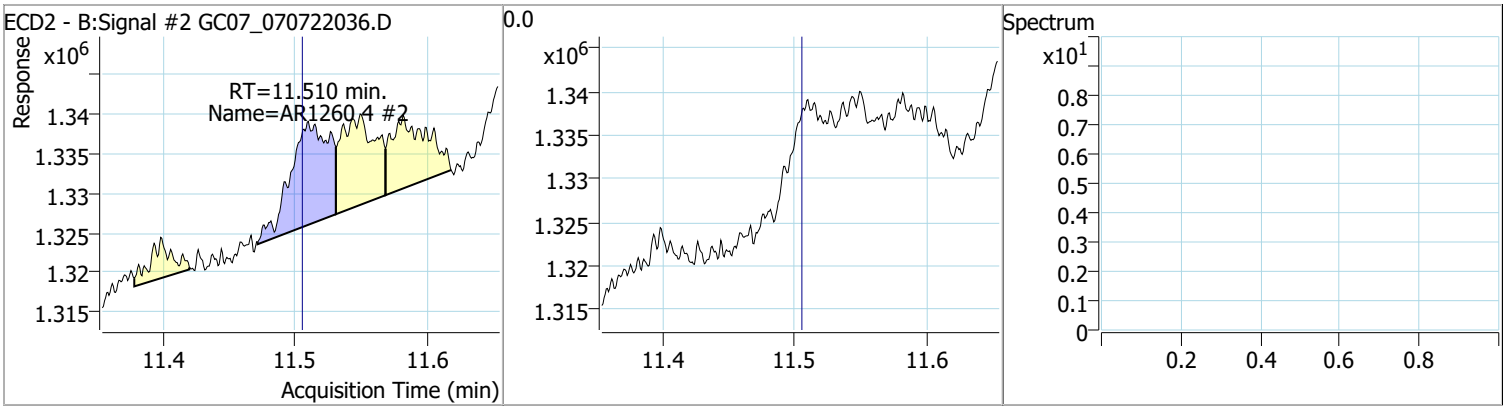
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	226.5354	11.34	0.03	2118563				



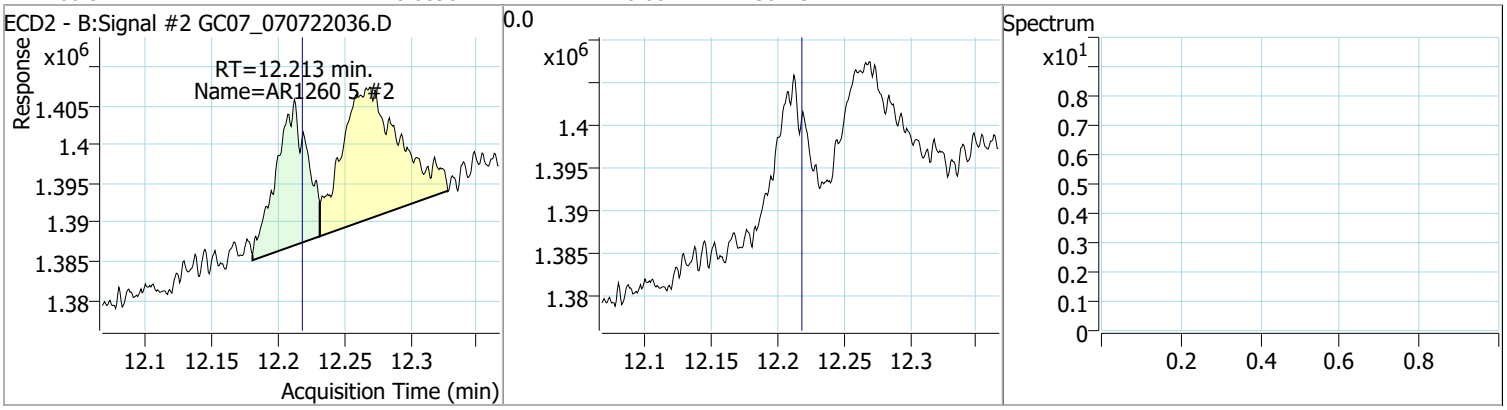




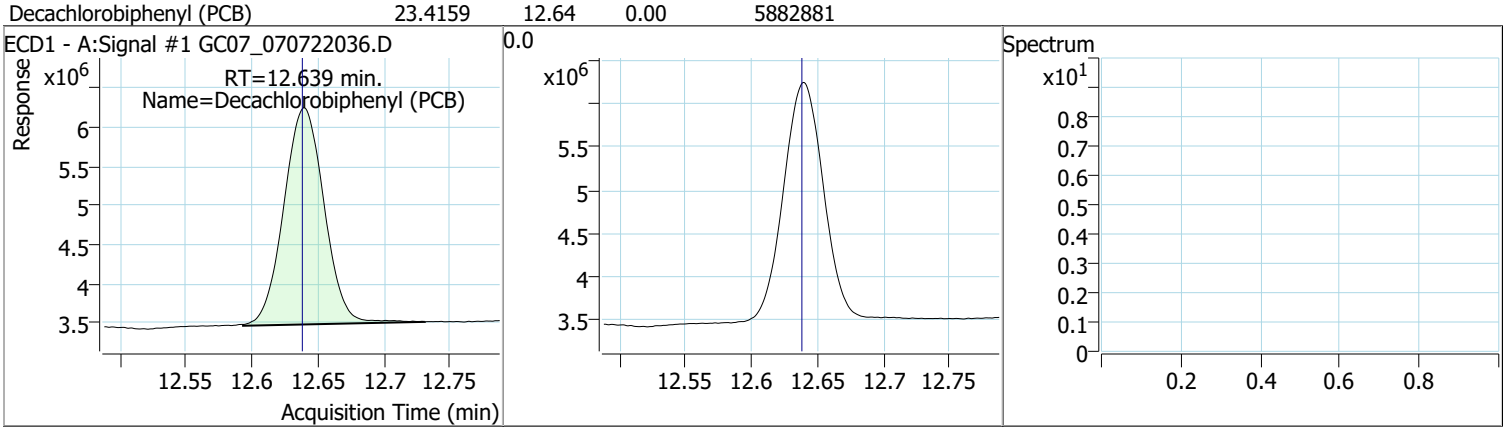
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	8.3035	11.51	0.01	26283				



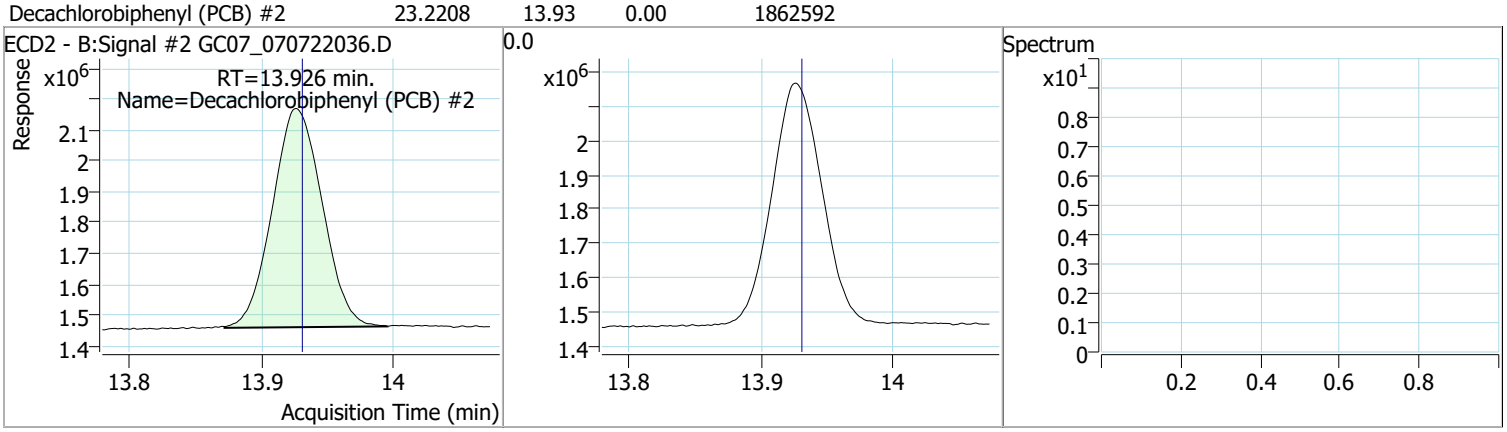
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	6.6898	12.21	0.00	30429				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	23.4159	12.64	0.00	5882881				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	23.2208	13.93	0.00	1862592				



QC Raw Data

ENTHALPY BLANK USER REPORT FOR 465031 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07	Lab ID:	QC998414		
Seqnum:	462271307031.10	Matrix:	Wipe		
File:	gc07_070722031	Batch:	292307	Time:	07-JUL-2022 20:14
Cal:	462252739001	Caldate:	25-JUN-2022		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Flags
Aroclor-1016	B	2.587	ug/L	ND	0.15	141%	0.50	u
Aroclor-1221	B			ND			0.50	u
Aroclor-1232	B			ND			0.50	u
Aroclor-1242	B			ND			0.50	u
Aroclor-1248	B			ND			0.50	u
Aroclor-1254	B			ND			0.50	u
Aroclor-1260	B	1.327	ug/L	ND	0.058	125%	0.50	u
Aroclor-1268	B			ND			0.50	u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	26.69	pg/uL	0.5000	0.2669	53	52-186	u
Decachlorobiphenyl (PCB)	B	26.59	pg/uL	0.5000	0.2659	**53***	60-140	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070722011)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1232125	1429196	15.99
1-bromo-2-nitrobenzene (PCB)	A	4377739	5074216	15.91

ISTD (ICAL gc07_070722016)	Ch	ICAL Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (1268)	B	1258225	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1268)	A	4484014	**???**	**-100.00 ***

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070722011)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.30	4.30	0.00

ISTD (ICAL gc07_070722016)	Ch	ICAL RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (1268)	B	4.48	**???**	
1-bromo-2-nitrobenzene (1268)	A	4.30	**???**	

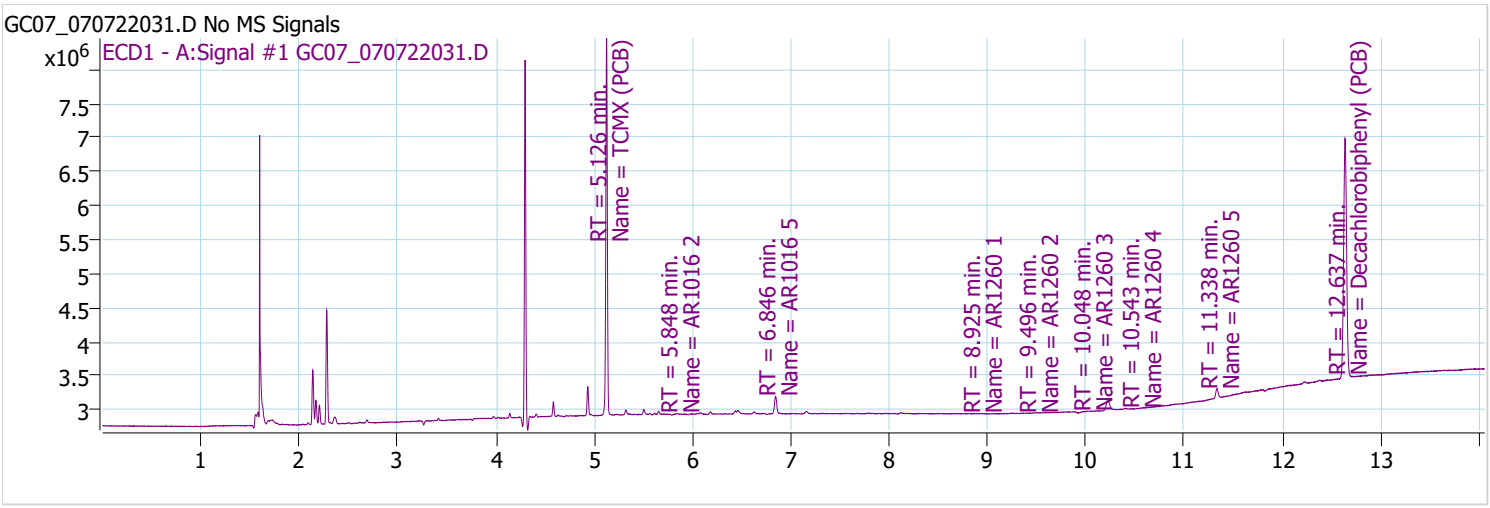
u=use

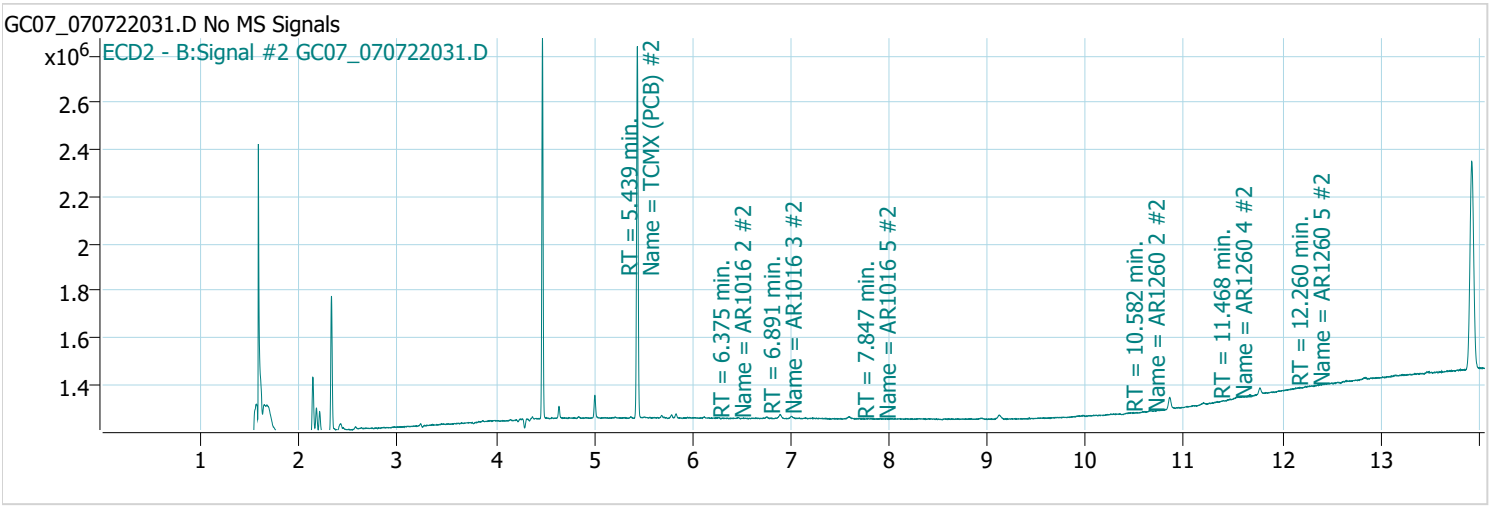
Analyst: TRN 07/11/22 *

Reviewer: LW 07/11/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC07_070722031.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/7/2022 8:14:16 PM
Sample Name	QC998414, 292307, 1	Instrument	SVOA-GC07
Vial	15	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_6.m	Comment	SOIL/10G-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	070722PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



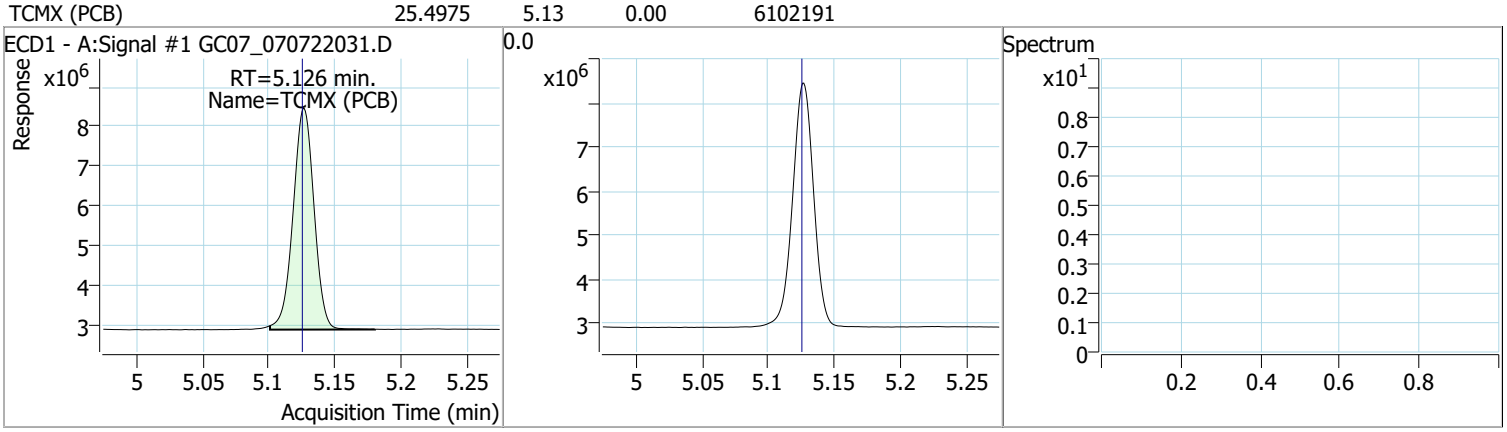


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.298	0.0	5074216.100	20.0000	ng/ml	m	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.474	0.0	1429195.636	20.0000	ng/ml	m	0.000
System Monitoring Compounds							
S TCMX (PCB)	5.126	0.0	6102190.917	25.4975	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 127.49%			
S TCMX (PCB) #2	5.439	0.0	1730374.869	26.6783	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 133.39%			
S Decachlorobiphenyl (PCB)	12.637	0.0	7426299.639	26.1995	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 131.00%			
S Decachlorobiphenyl (PCB) #2	13.925	0.0	2339066.515	26.5787	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 132.89%			
Target Compounds							QValue

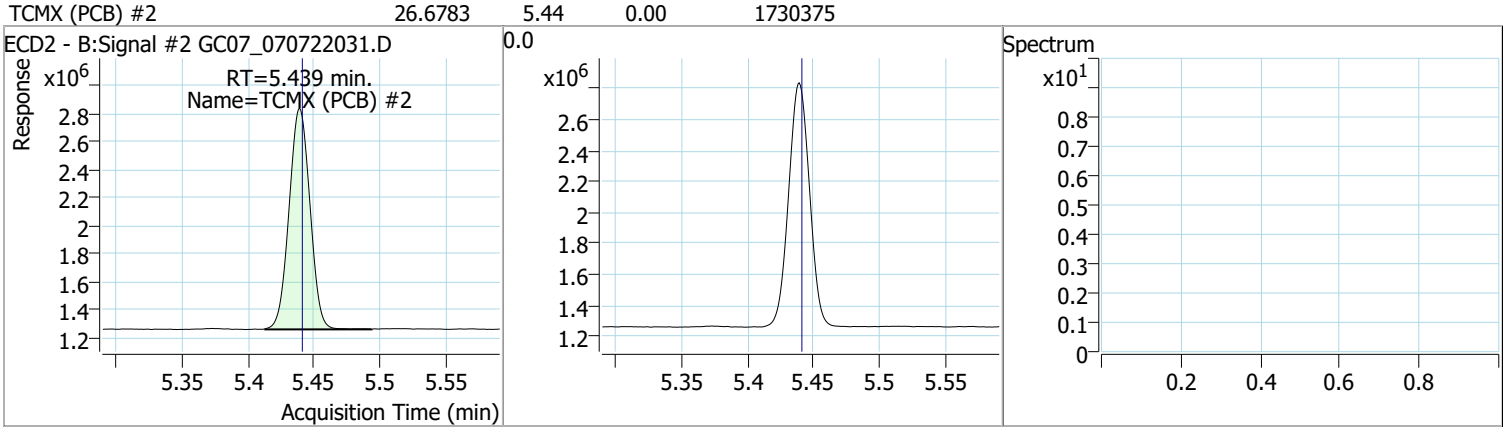
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.456	0.0	5927.925	1.2177	ng/ml	100
T AR1016 2	5.848	0.0	72918.143	6.9113	ng/ml	100
T AR1016 1 #2	5.928	0.0	3015.024	2.0948	ng/ml	100
T AR1016 3	6.313	0.0	3855.033	0.3155	ng/ml	100
T AR1016 2 #2	6.375	0.0	565.895	0.1806	ng/ml	100
T AR1016 4	6.434	0.0	62254.070	7.0859	ng/ml	100
T AR1016 5	6.846	0.0	438364.925	59.9009	ng/ml	100
T AR1016 3 #2	6.891	0.0	36411.562	10.1284	ng/ml	100
T AR1016 4 #2	7.108	0.0	1057.259	0.4237	ng/ml	100
T AR1016 5 #2	7.847	0.0	205.962	0.0988	ng/ml	100
T AR1260 1	8.925	0.0	7586.899	0.4909	ng/ml	100
T AR1260 2	9.496	0.0	4476.138	0.2018	ng/ml	100
T AR1260 3	10.048	0.0	76158.776	3.3876	ng/ml	100
T AR1260 1 #2	10.289	0.0	11562.748	2.5546	ng/ml	100
T AR1260 4	10.543	0.0	825.686	0.0718	ng/ml	100
T AR1260 2 #2	10.582	0.0	2274.560	0.4523	ng/ml	100
T AR1260 3 #2	11.096	0.0	4352.867	0.7032	ng/ml	100
T AR1260 5	11.338	0.0	259435.264	24.5880	ng/ml	100
T AR1260 4 #2	11.468	0.0	5233.869	1.5071	ng/ml	100
T AR1260 5 #2	12.260	0.0	7062.222	1.4151	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

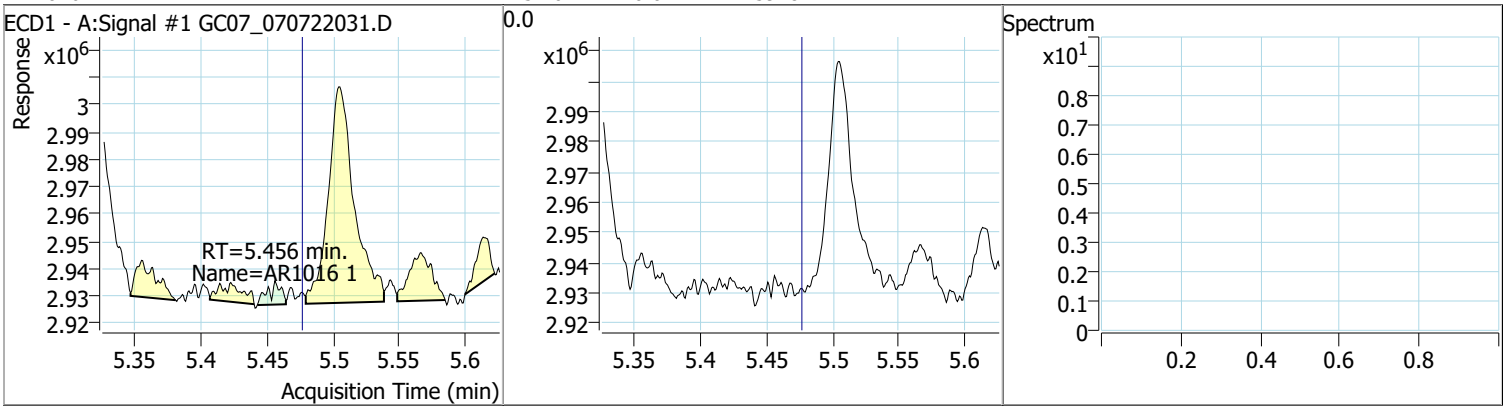
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	25.4975	5.13	0.00	6102191				



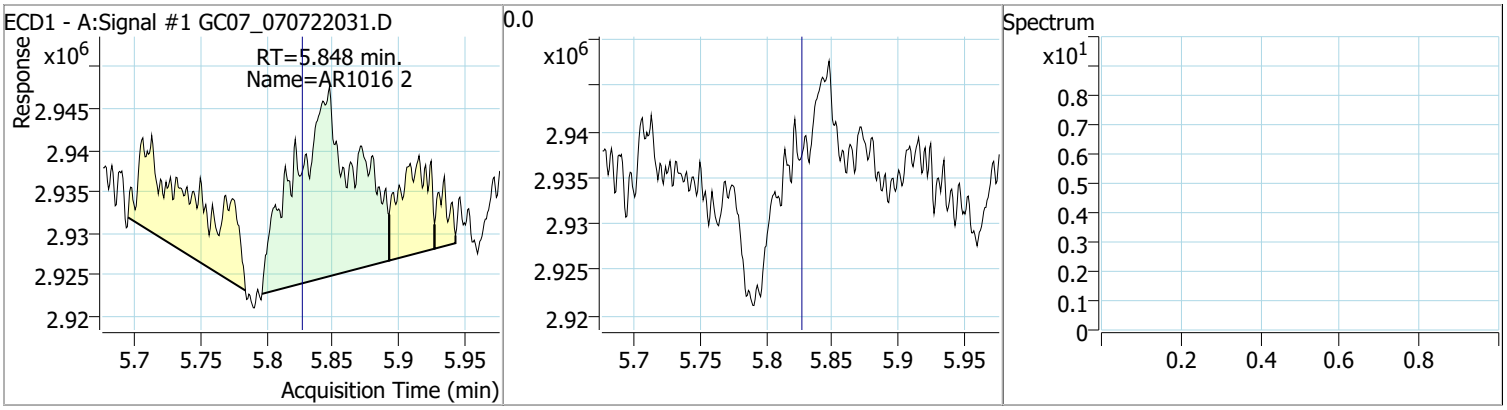
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	26.6783	5.44	0.00	1730375				



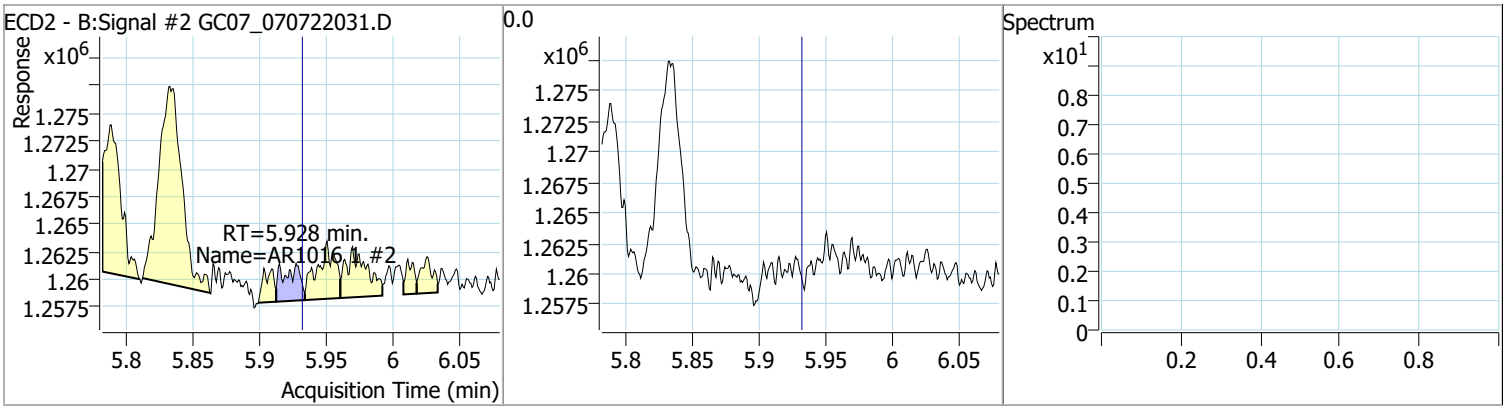
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1.2177	5.46	-0.02	5928				



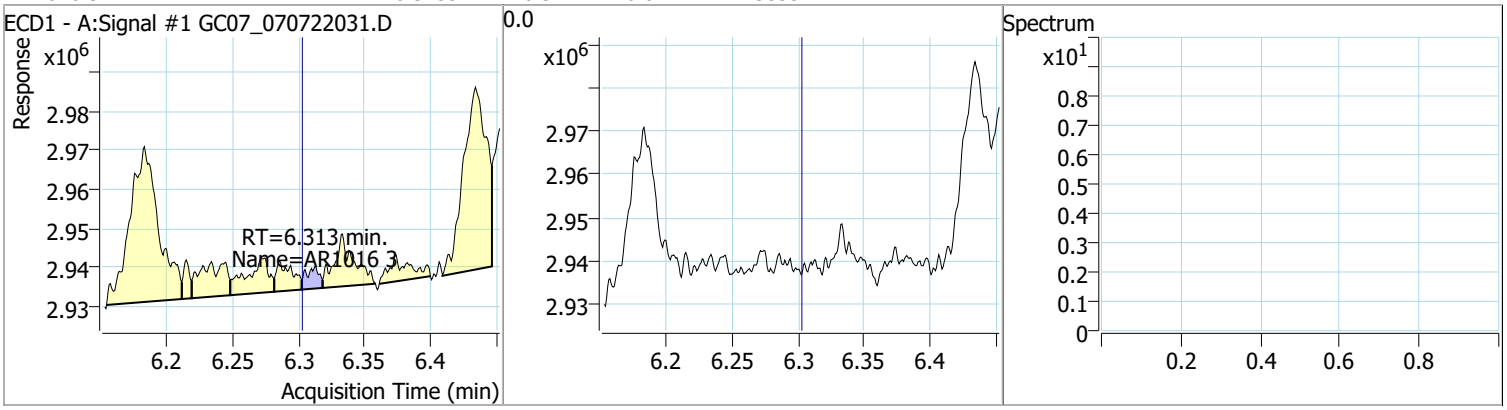
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	6.9113	5.85	0.02	72918				



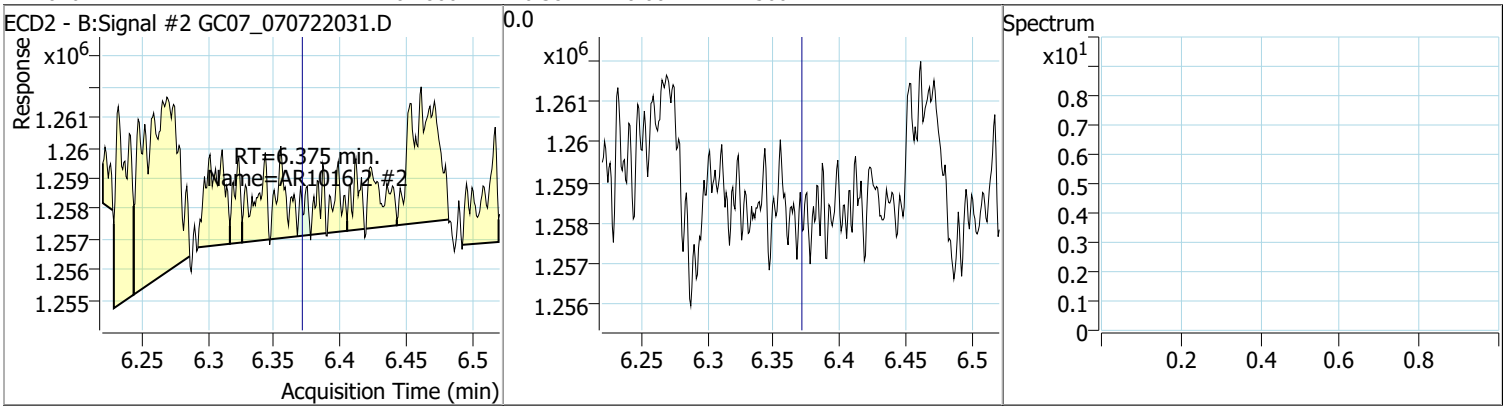
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	2.0948	5.93	0.00	3015				



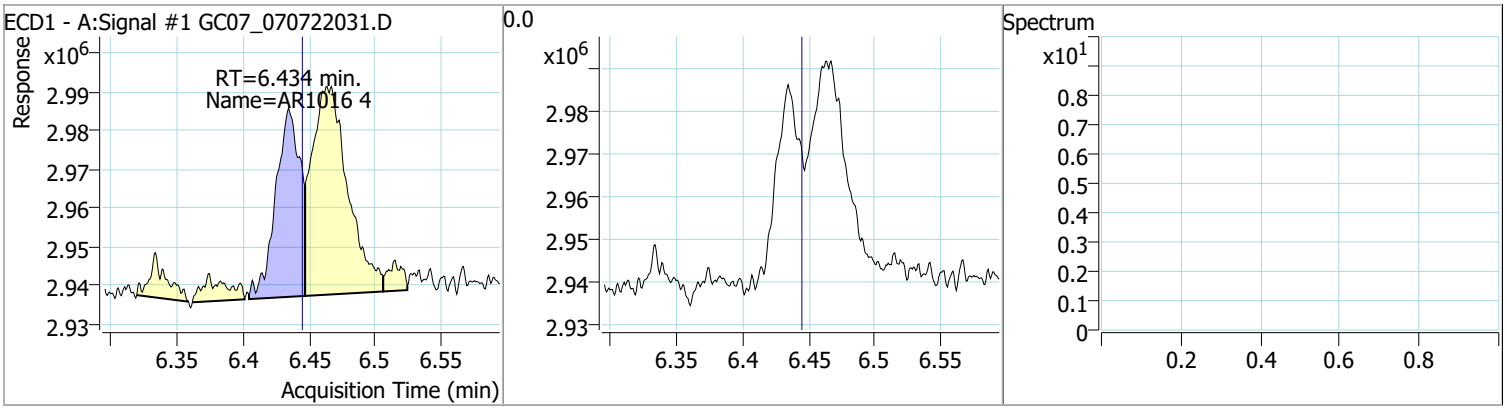
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	0.3155	6.31	0.01	3855				



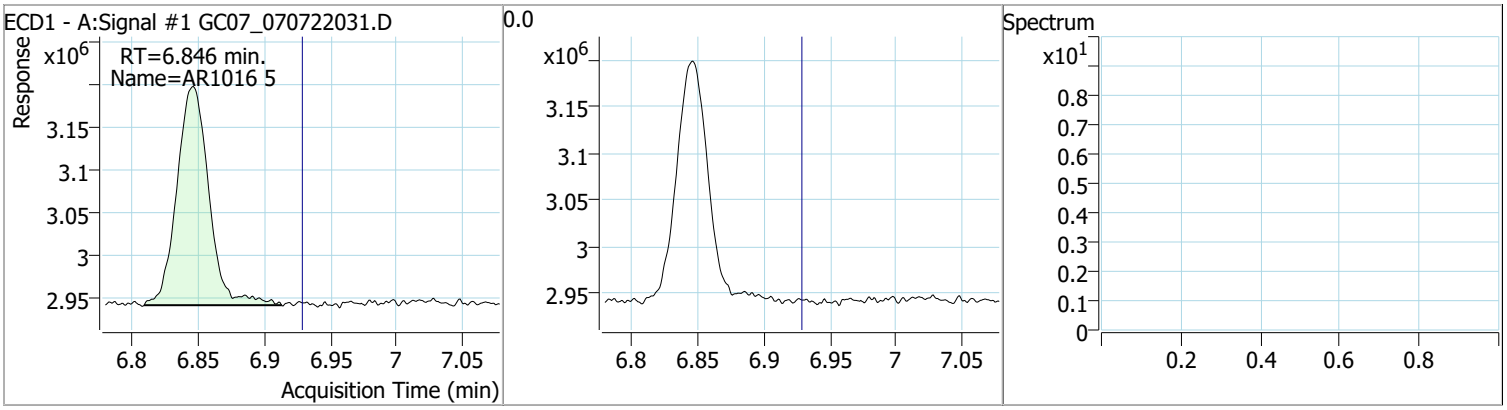
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	0.1806	6.38	0.00	566				



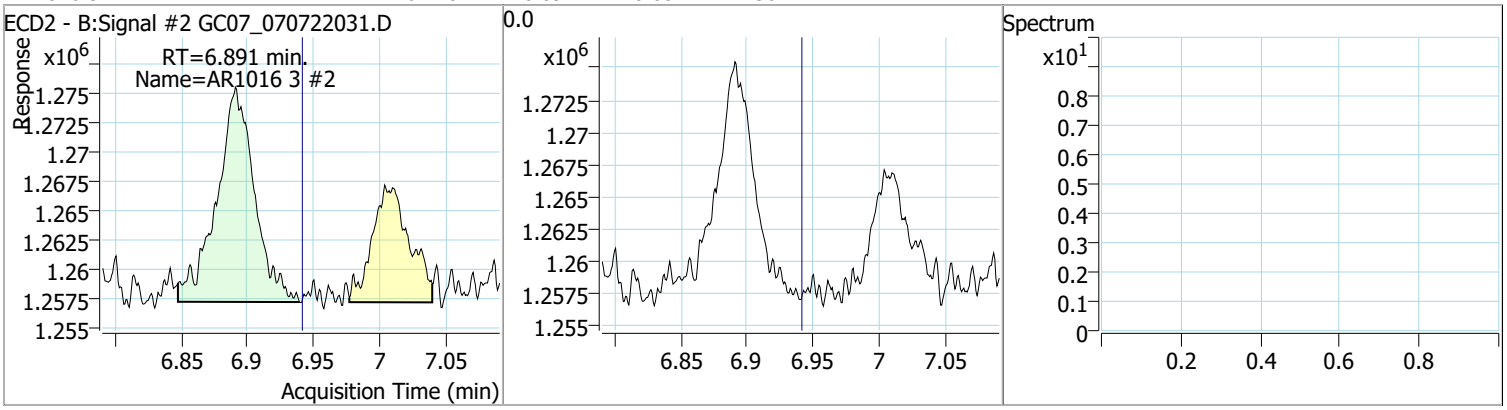
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	7.0859	6.43	-0.01	62254				



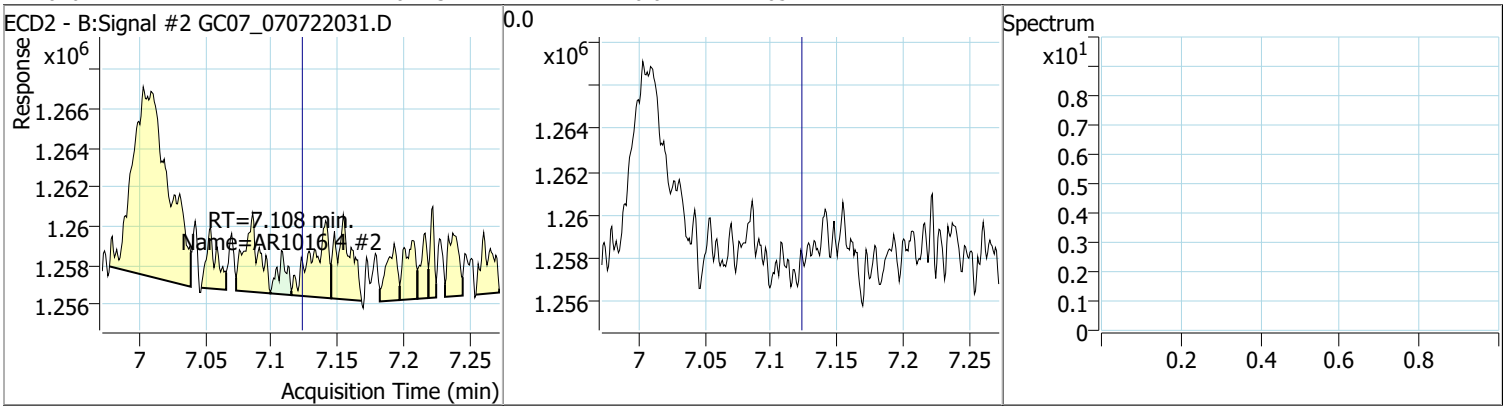
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	59.9009	6.85	-0.08	438365				



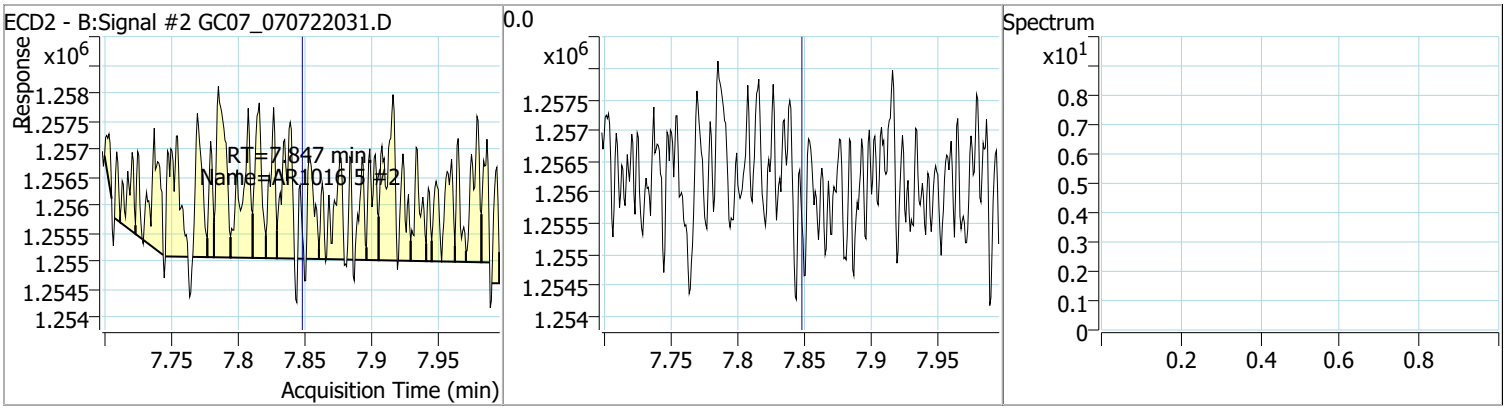
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	10.1284	6.89	-0.05	36412				



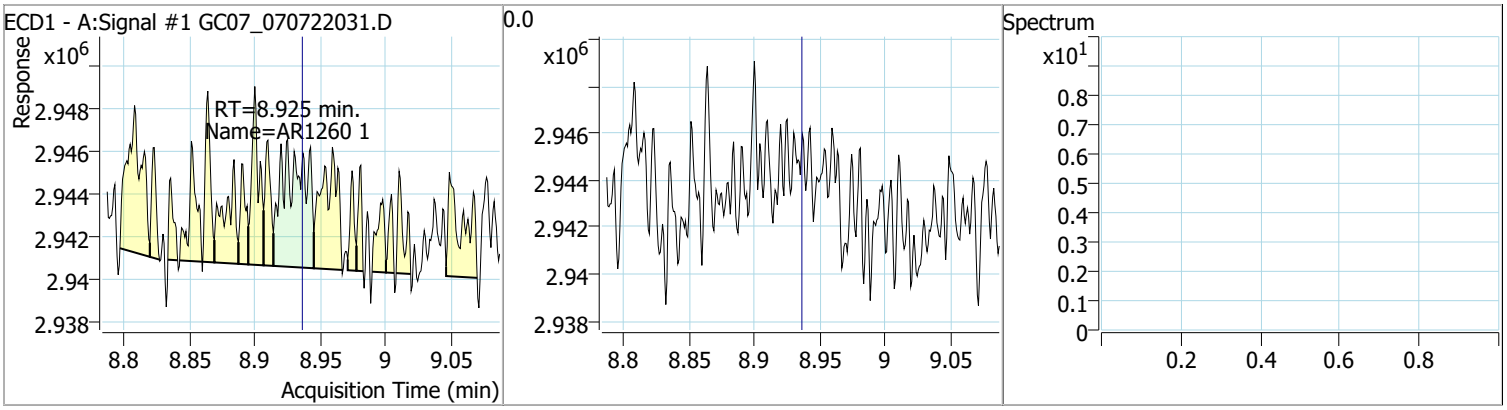
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.4237	7.11	-0.01	1057				



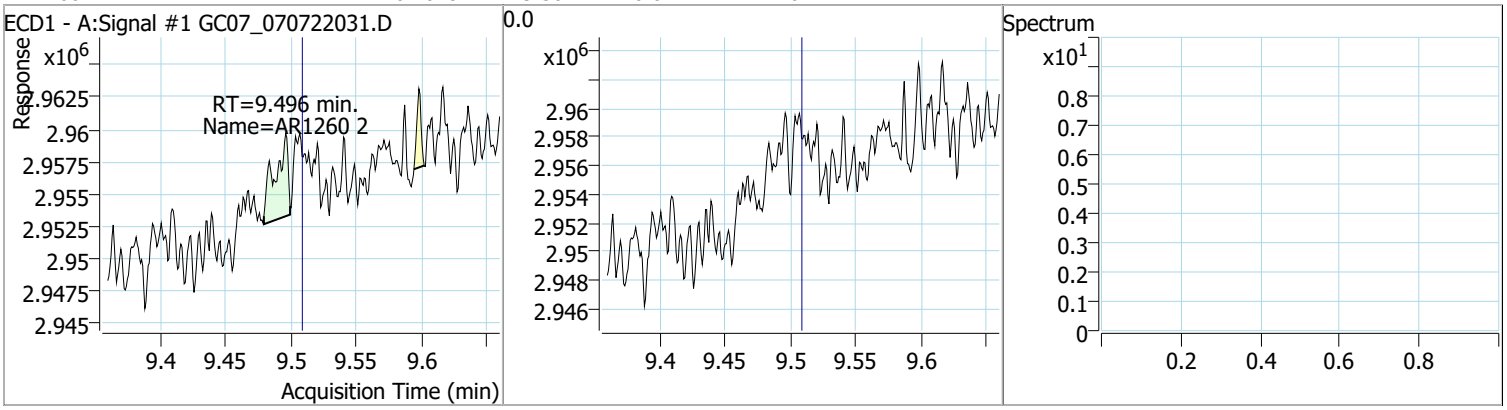
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.0988	7.85	0.00	206				



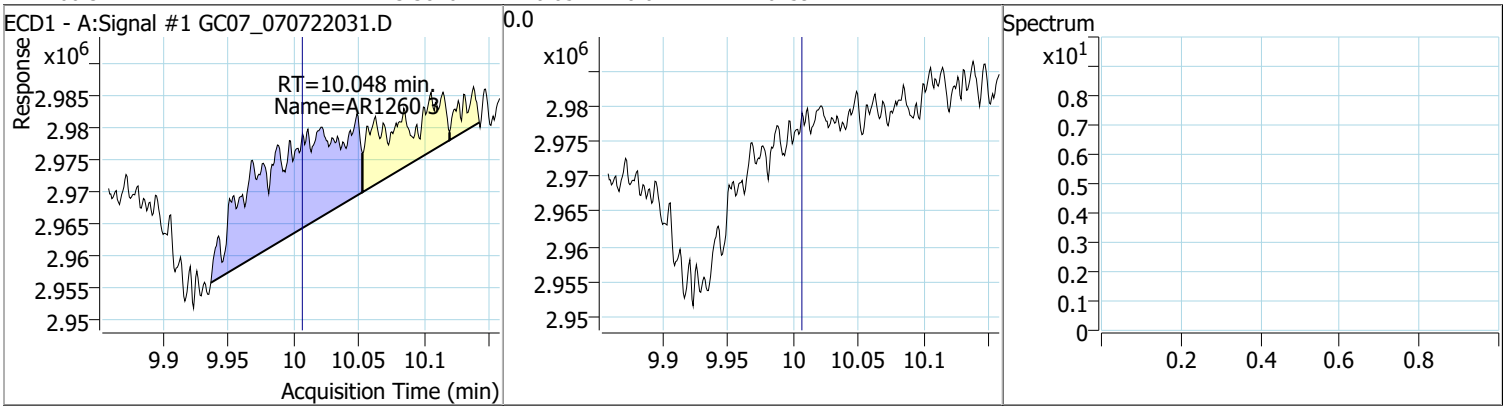
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	0.4909	8.93	-0.01	7587				



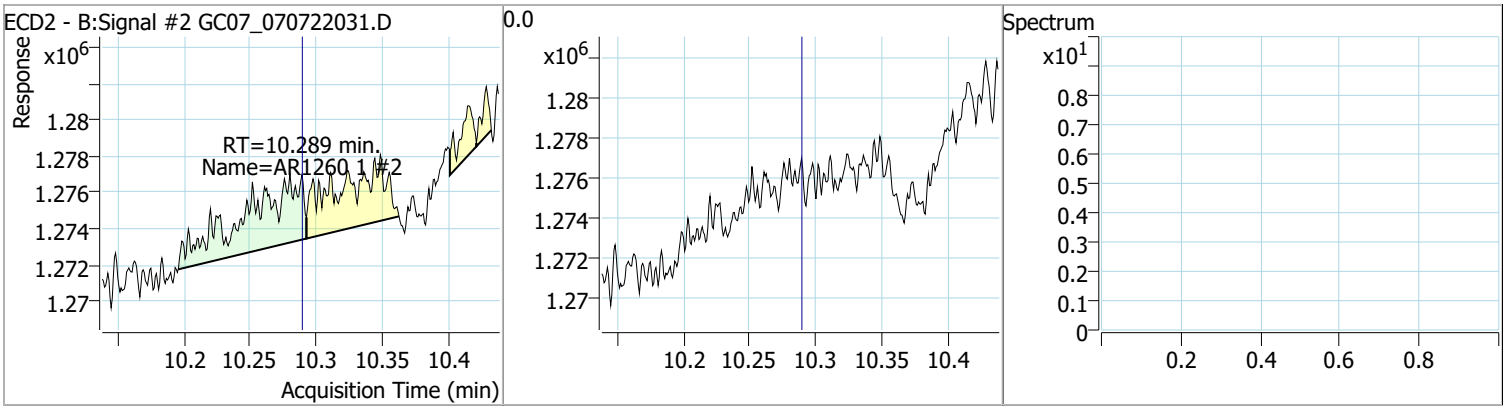
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.2018	9.50	-0.01	4476				



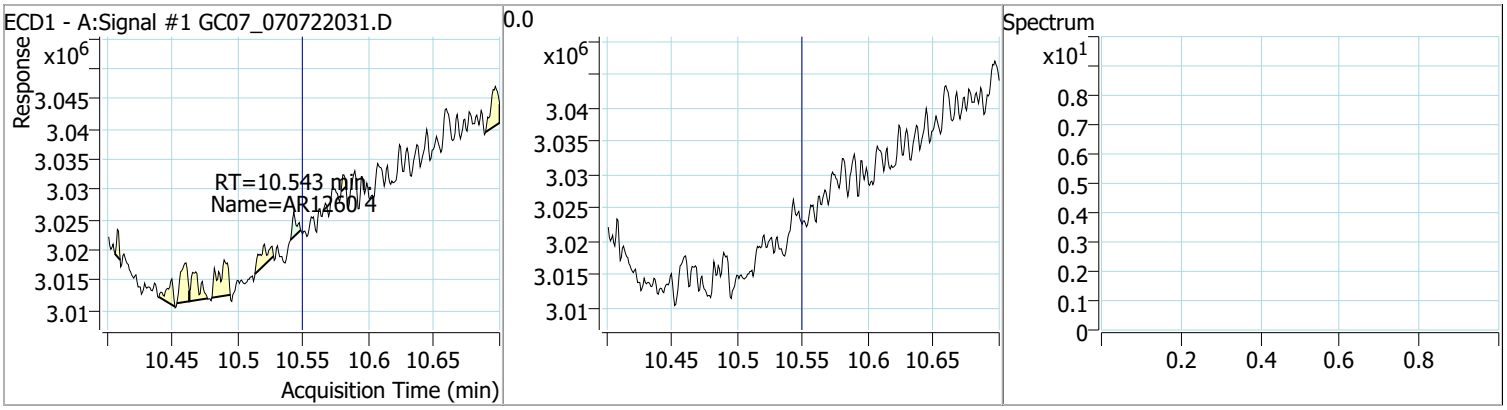
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	3.3876	10.05	0.04	76159				



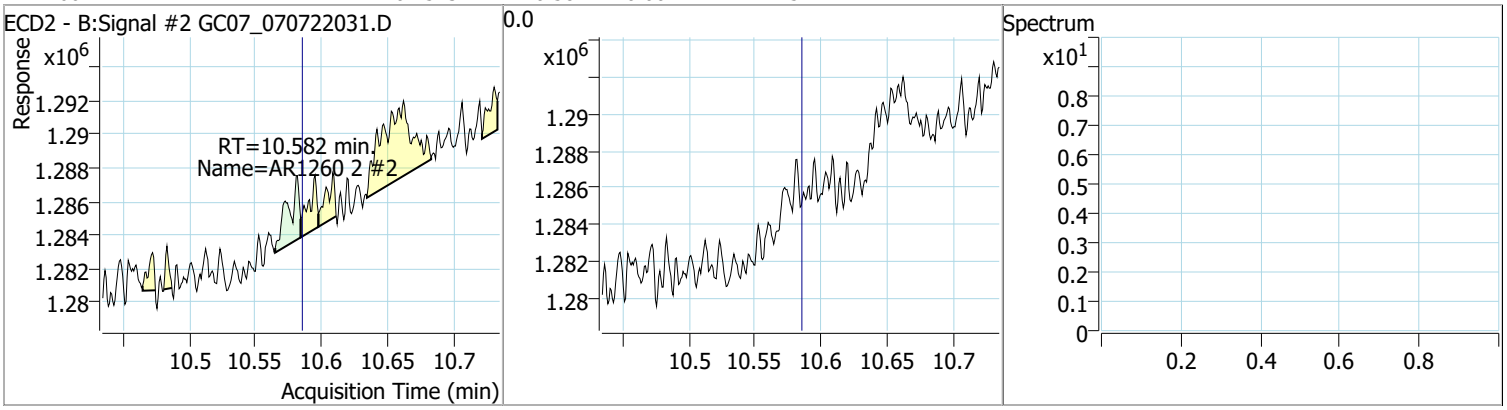
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	2.5546	10.29	0.00	11563				



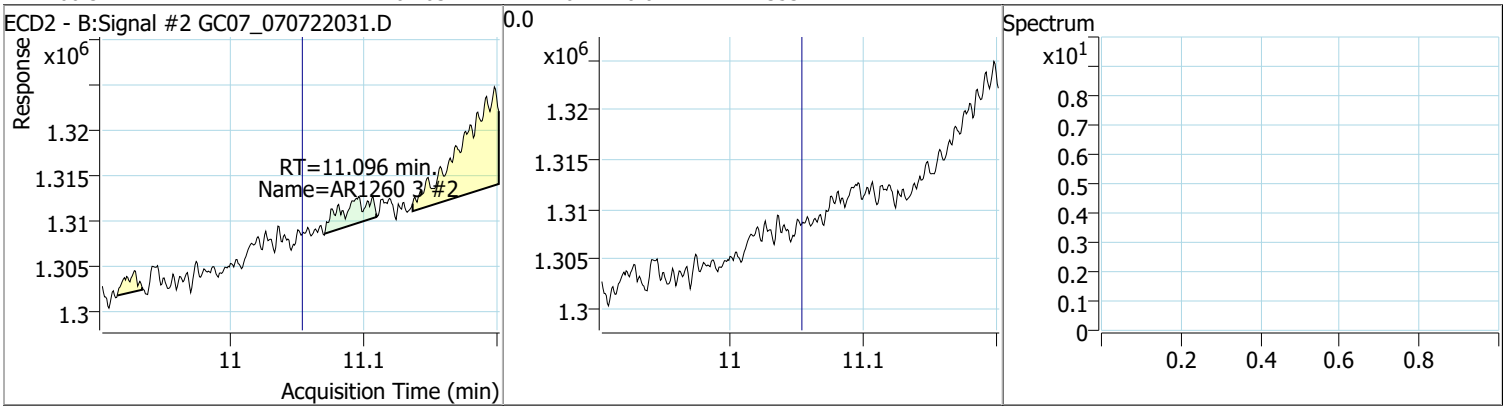
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	0.0718	10.54	-0.01	826				



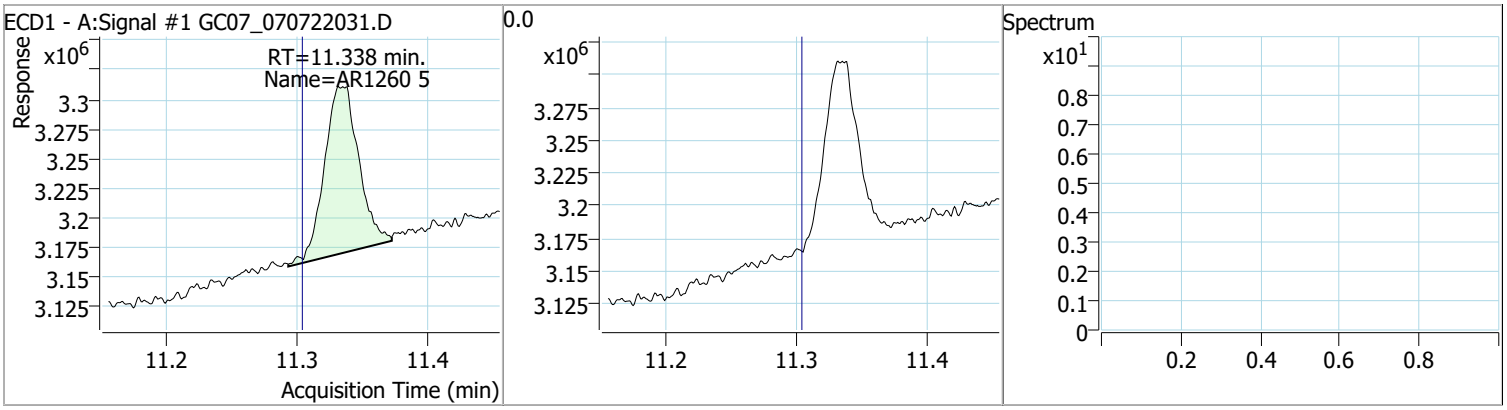
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	0.4523	10.58	0.00	2275				



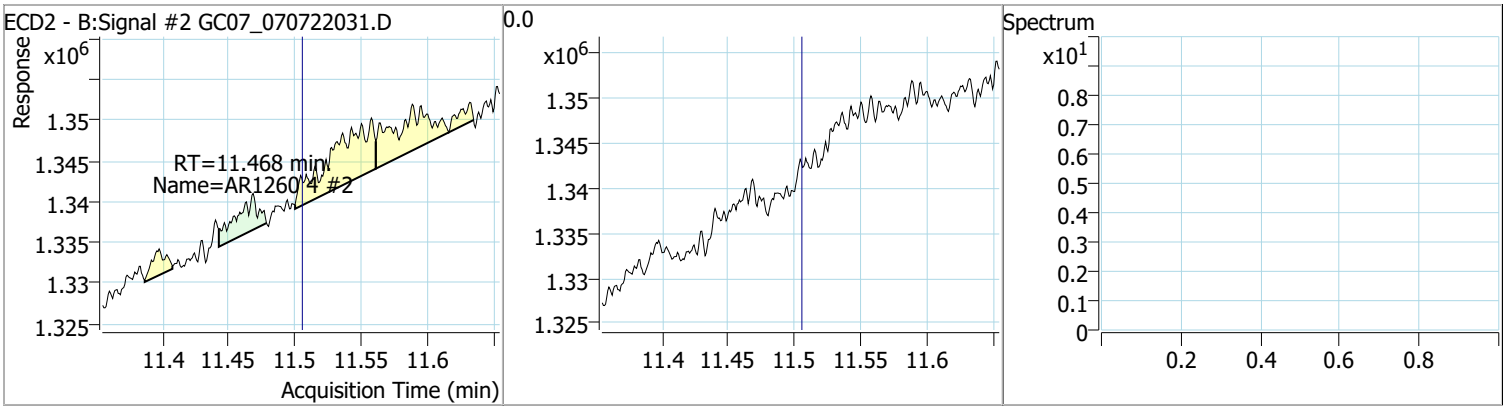
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	0.7032	11.10	0.04	4353				



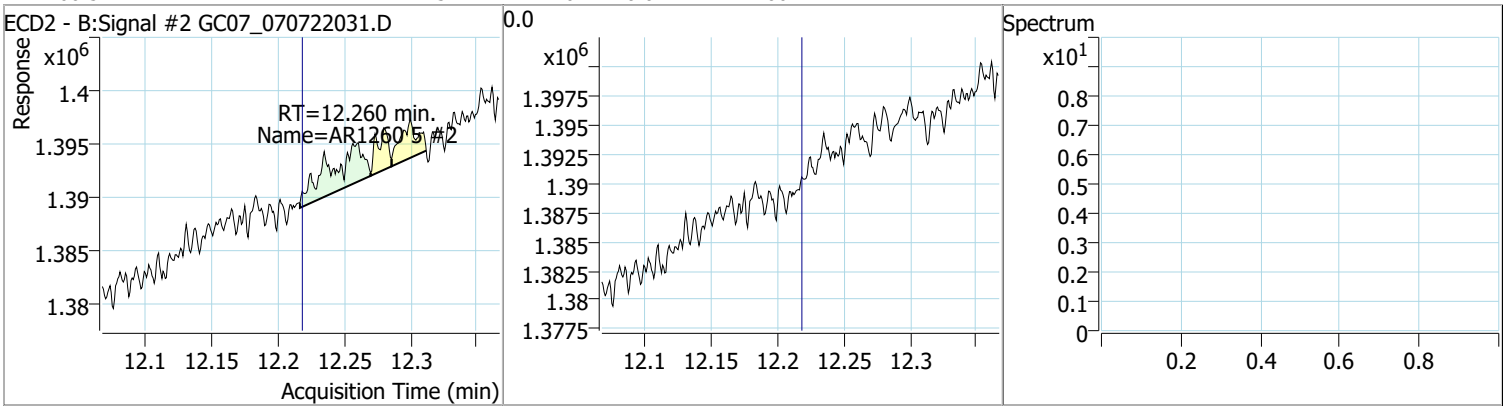
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	24.5880	11.34	0.03	259435				



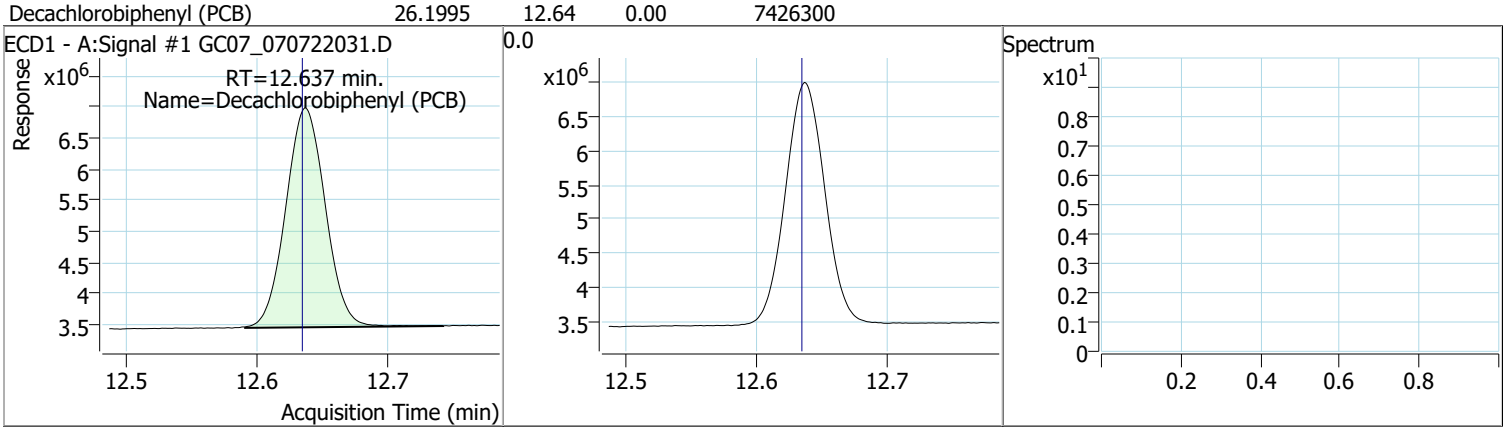
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1.5071	11.47	-0.04	5234				



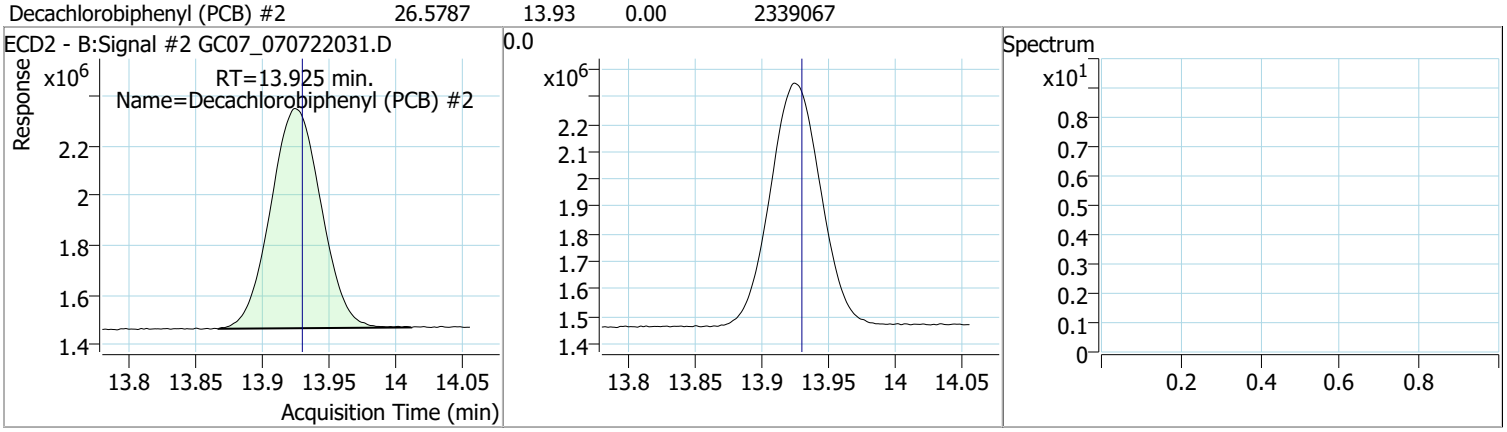
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1.4151	12.26	0.04	7062				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	26.1995	12.64	0.00	7426300				

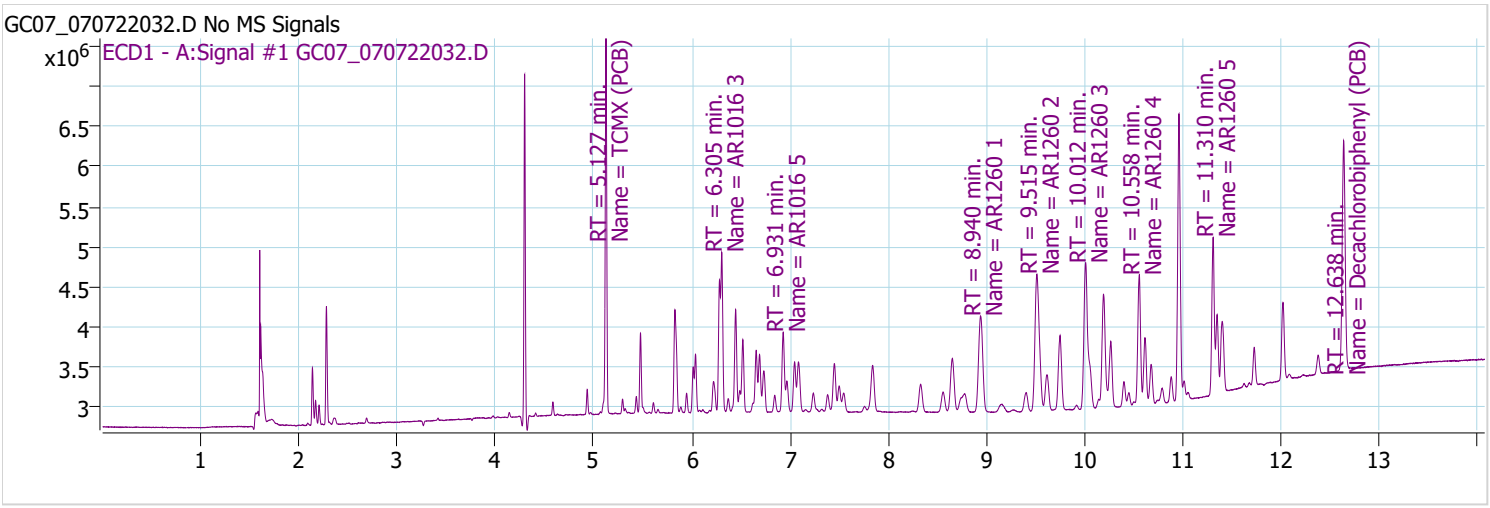


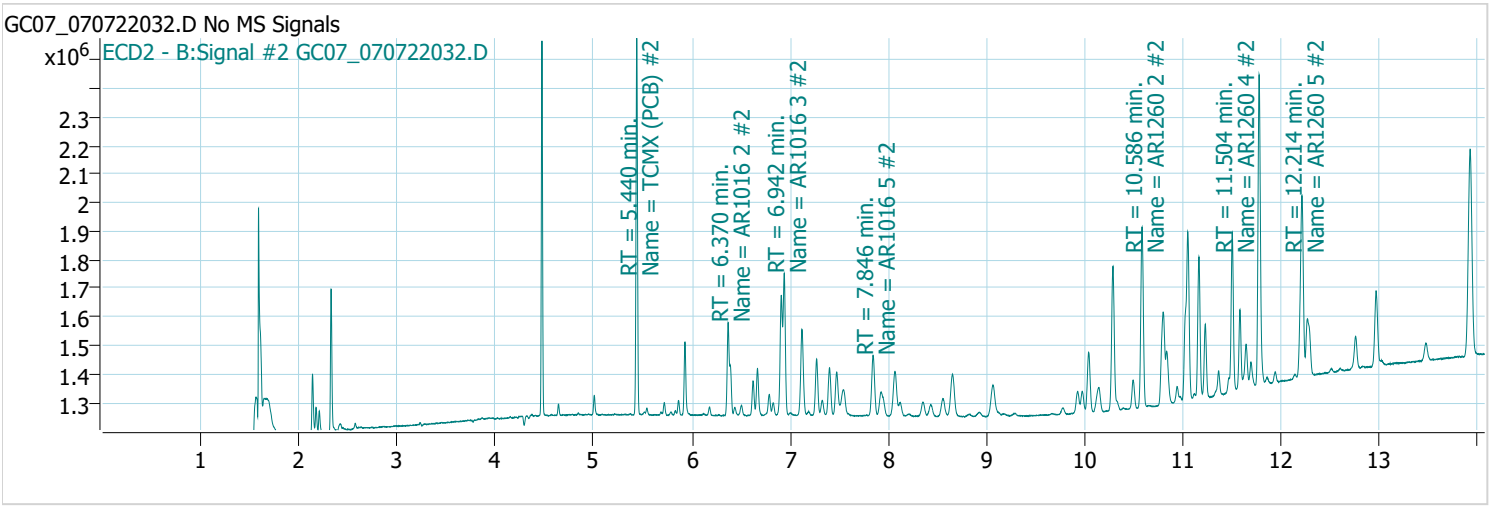
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	26.5787	13.93	0.00	2339067				



Quantitation Results Report (Not Reviewed)

Data File	GC07_070722032.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/7/2022 8:31:59 PM
Sample Name	QC998415, 292307, 1	Instrument	SVOA-GC07
Vial	16	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_6.m	Comment	SOIL/10G-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	070722PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



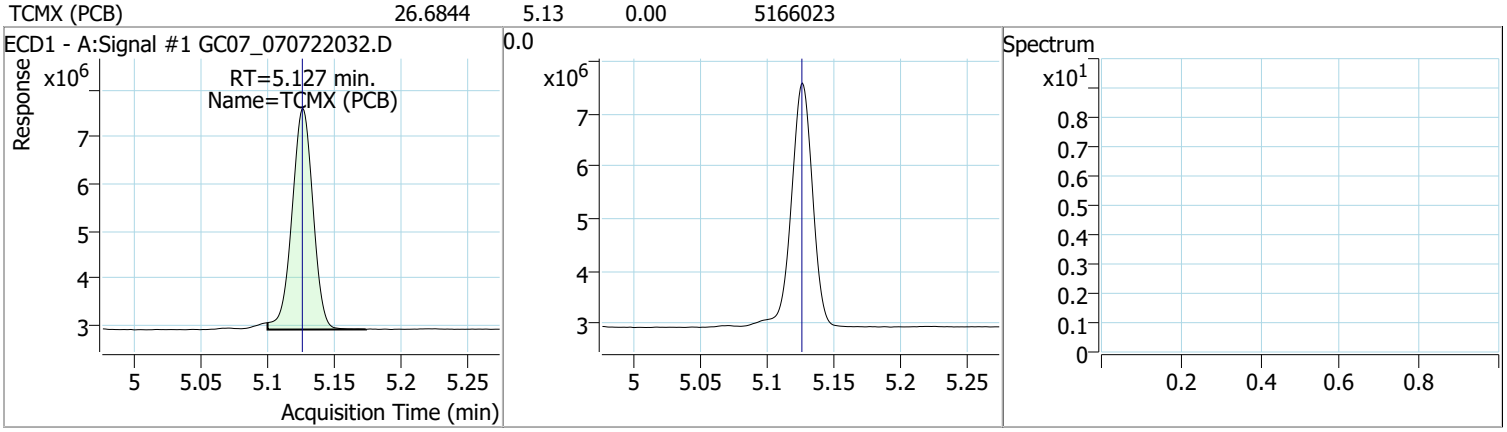


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.298	0.0	4104678.850	20.0000	ng/ml	m	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.474	0.0	1141900.975	20.0000	ng/ml	m	0.000
System Monitoring Compounds							
S TCMX (PCB)	5.127	0.0	5166023.458	26.6844	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 133.42%			
S TCMX (PCB) #2	5.440	0.0	1439061.935	27.7690	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 138.85%			
S Decachlorobiphenyl (PCB)	12.638	0.0	6033946.093	26.3155	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 131.58%			
S Decachlorobiphenyl (PCB) #2	13.927	0.0	1913351.183	27.2113	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 136.06%			
Target Compounds							QValue

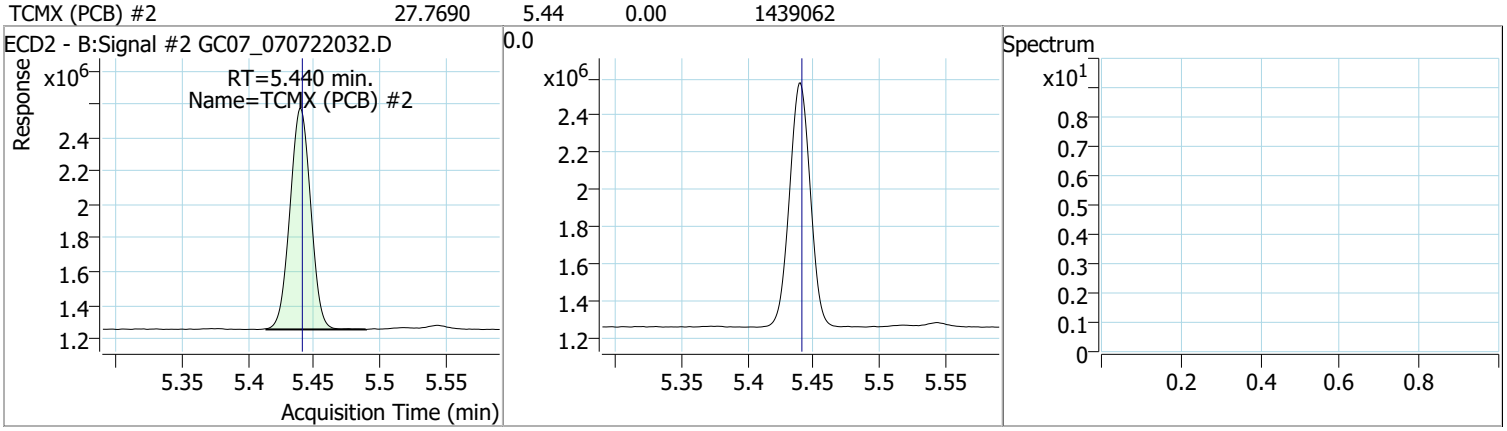
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.478	0.0	1233229.268	313.1710	ng/ml	100
T AR1016 2	5.828	0.0	2333081.390	273.3655	ng/ml	100
T AR1016 1 #2	5.931	0.0	322858.575	280.7585	ng/ml	100
T AR1016 3	6.305	0.0	2848760.622	288.2479	ng/ml	100
T AR1016 2 #2	6.370	0.0	658450.415	262.9533	ng/ml	100
T AR1016 4	6.447	0.0	1997336.475	281.0383	ng/ml	100
T AR1016 5	6.931	0.0	1702386.931	287.5712	ng/ml	100
T AR1016 3 #2	6.942	0.0	808989.031	281.6487	ng/ml	100
T AR1016 4 #2	7.122	0.0	568966.702	285.4074	ng/ml	100
T AR1016 5 #2	7.846	0.0	444674.732	267.0278	ng/ml	100
T AR1260 1	8.940	0.0	3513151.048	281.0224	ng/ml	100
T AR1260 2	9.515	0.0	5322997.375	296.6157	ng/ml	100
T AR1260 3	10.012	0.0	4950034.714	272.1916	ng/ml	100
T AR1260 1 #2	10.290	0.0	974444.156	269.4494	ng/ml	100
T AR1260 4	10.558	0.0	3025928.450	325.4822	ng/ml	100
T AR1260 2 #2	10.586	0.0	1162358.096	289.2966	ng/ml	100
T AR1260 3 #2	11.051	0.0	1430009.904	289.1585	ng/ml	100
T AR1260 5	11.310	0.0	3386132.571	396.7233	ng/ml	100
T AR1260 4 #2	11.504	0.0	873138.659	314.6809	ng/ml	100
T AR1260 5 #2	12.214	0.0	1375410.519	344.9473	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

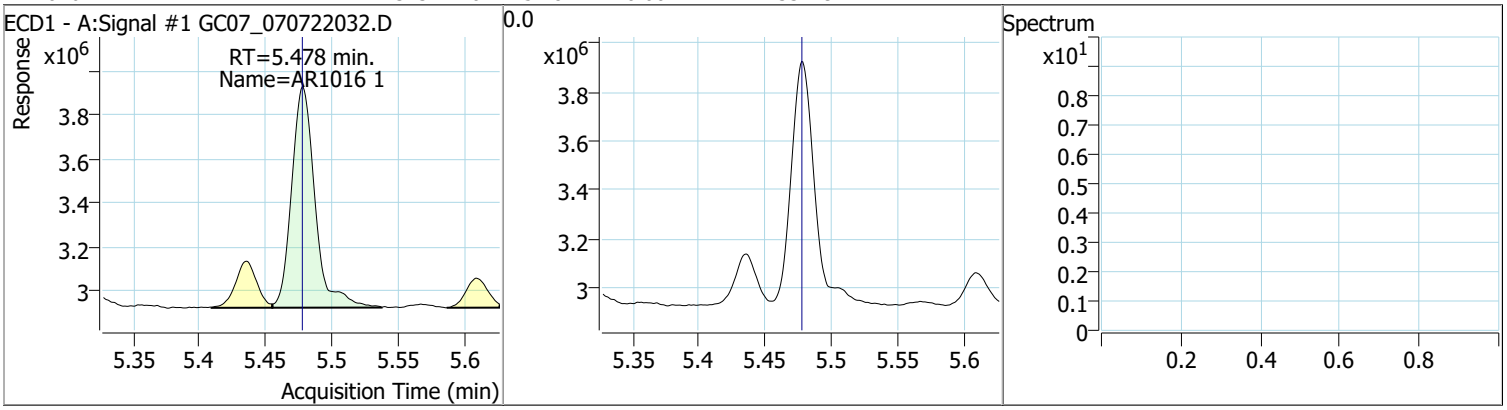
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	26.6844	5.13	0.00	5166023				



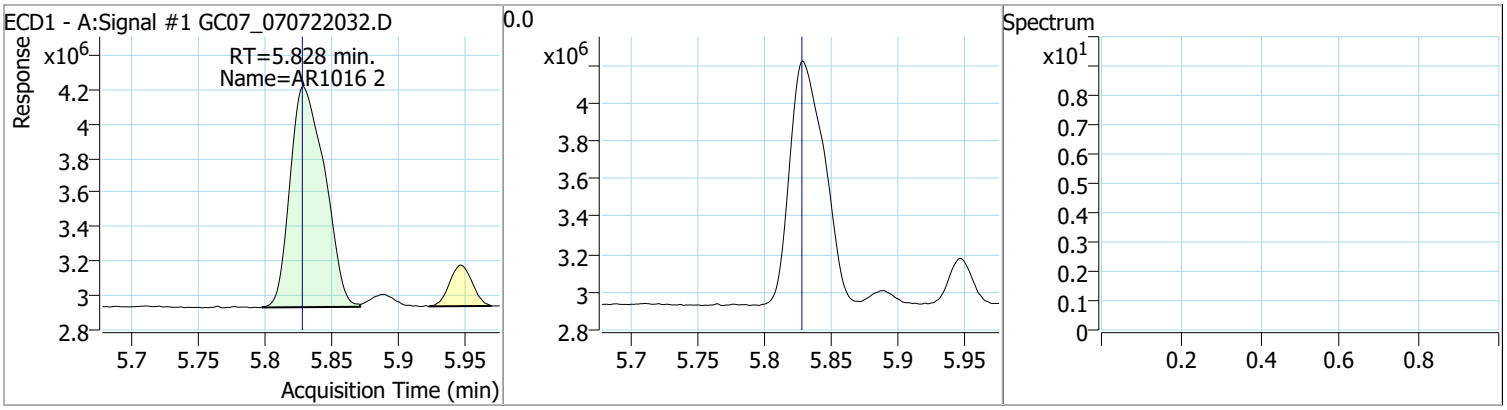
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	27.7690	5.44	0.00	1439062				



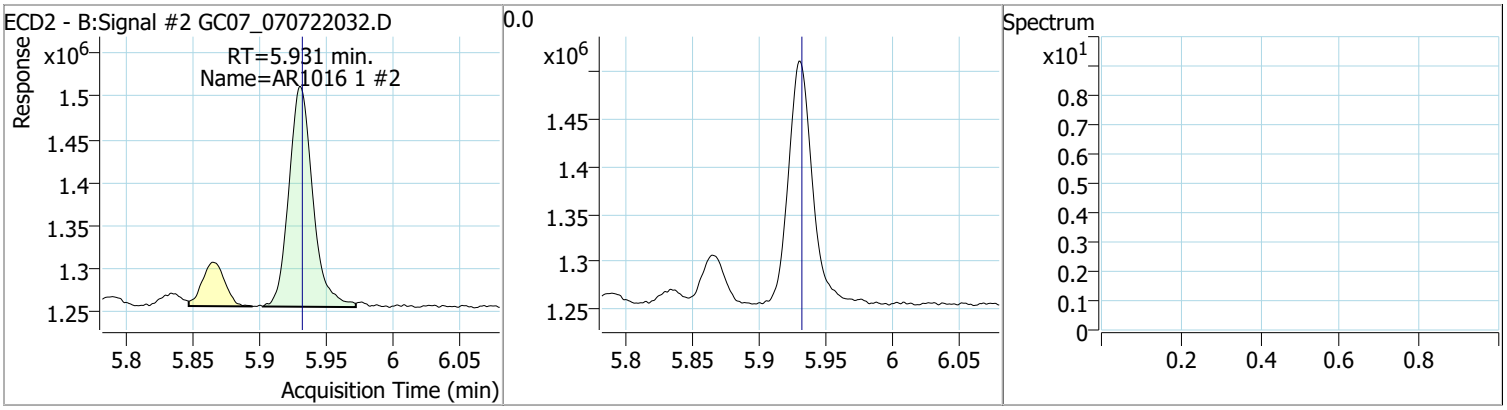
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	313.1710	5.48	0.00	1233229				



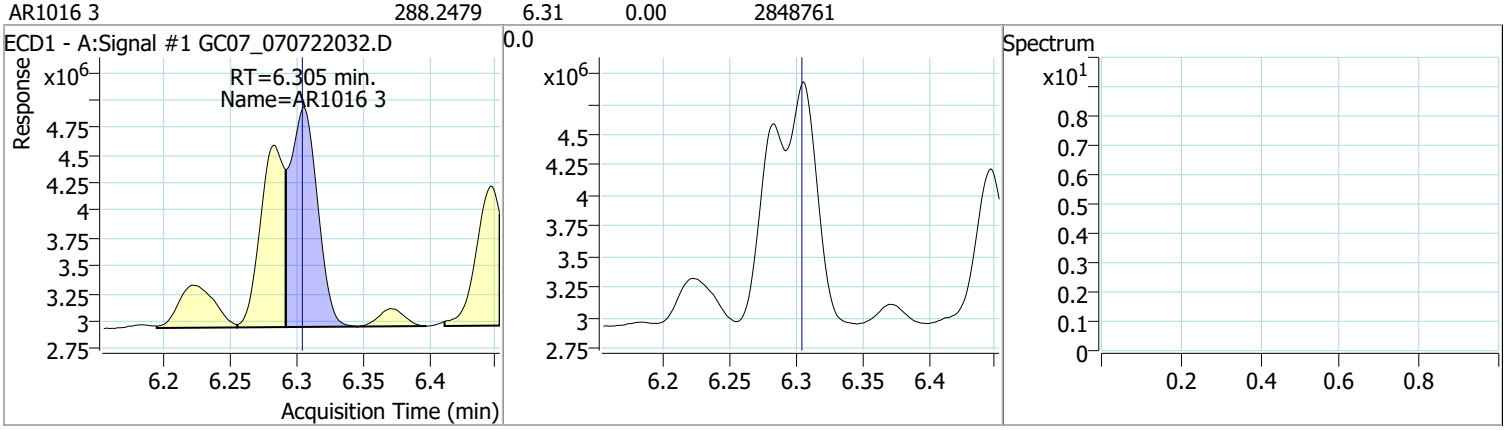
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	273.3655	5.83	0.00	2333081				



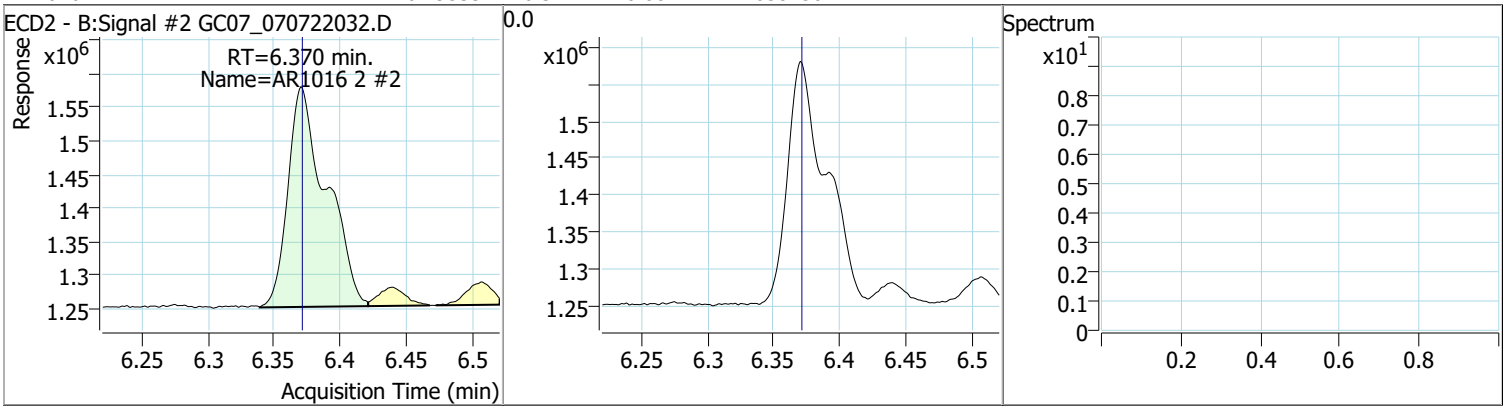
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	280.7585	5.93	0.00	322859				



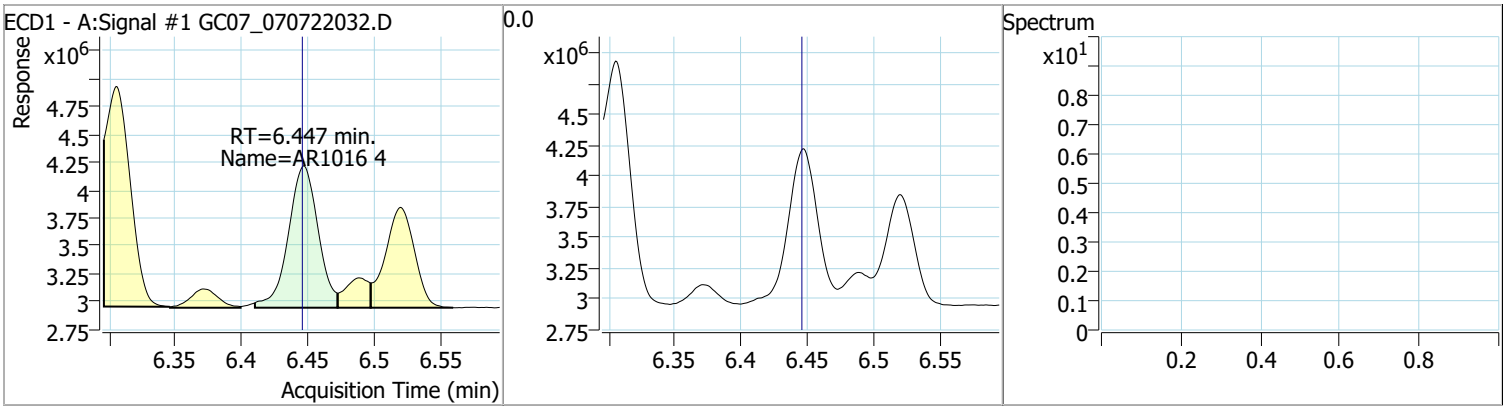
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	288.2479	6.31	0.00	2848761				



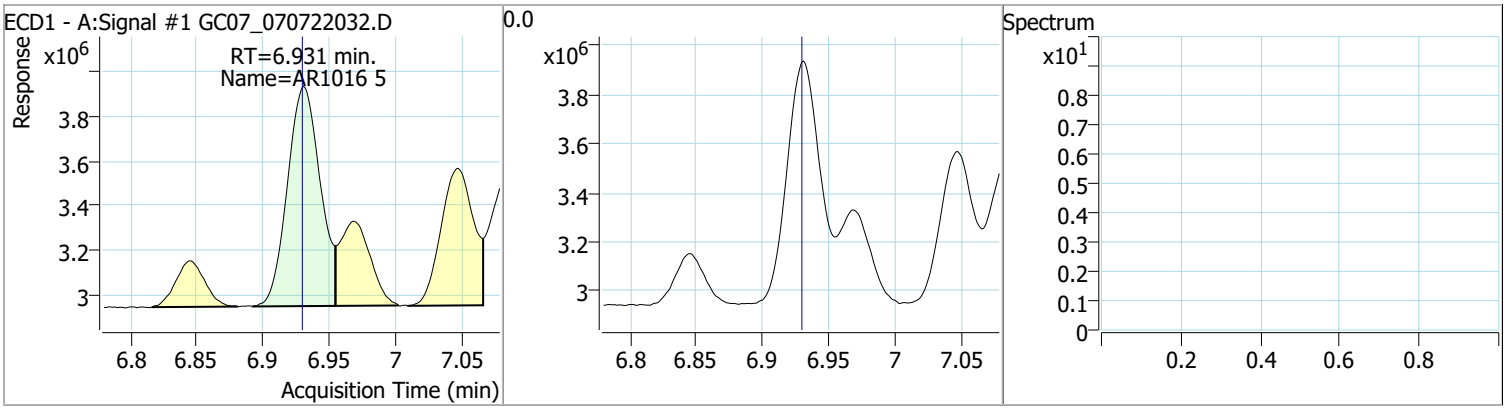
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	262.9533	6.37	0.00	658450				



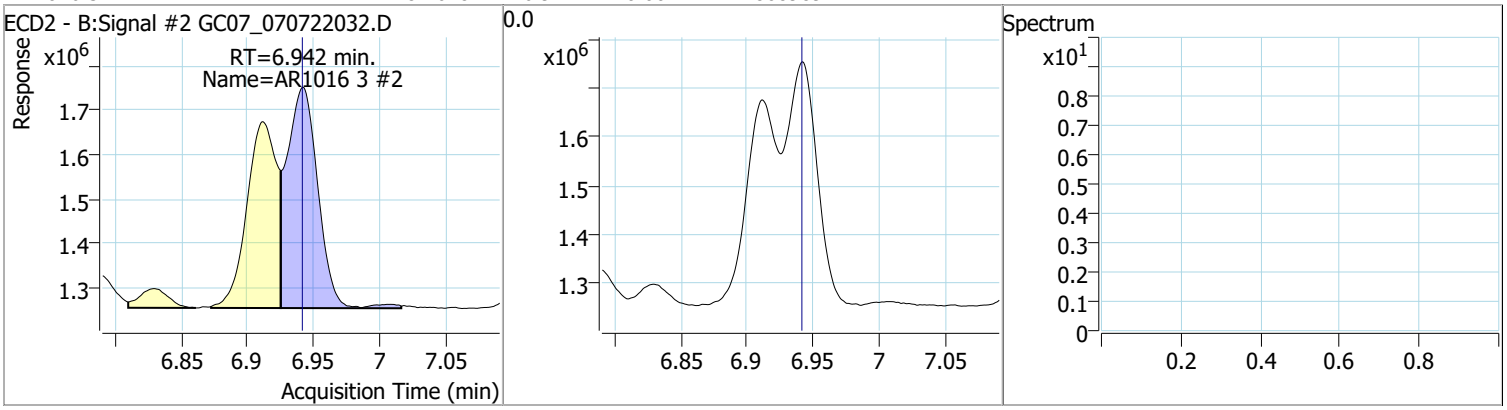
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	281.0383	6.45	0.00	1997336				



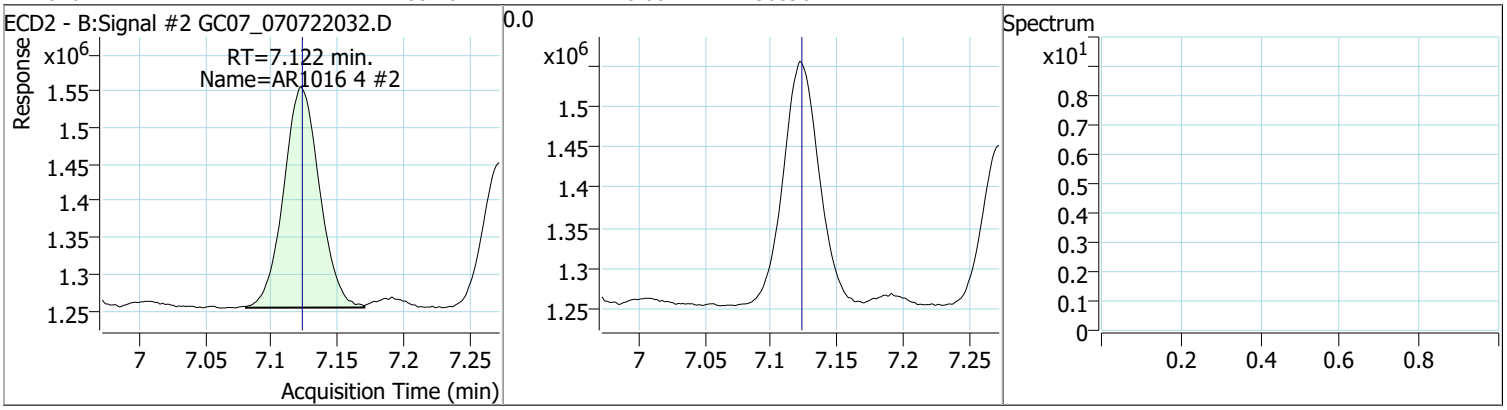
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	287.5712	6.93	0.00	1702387				



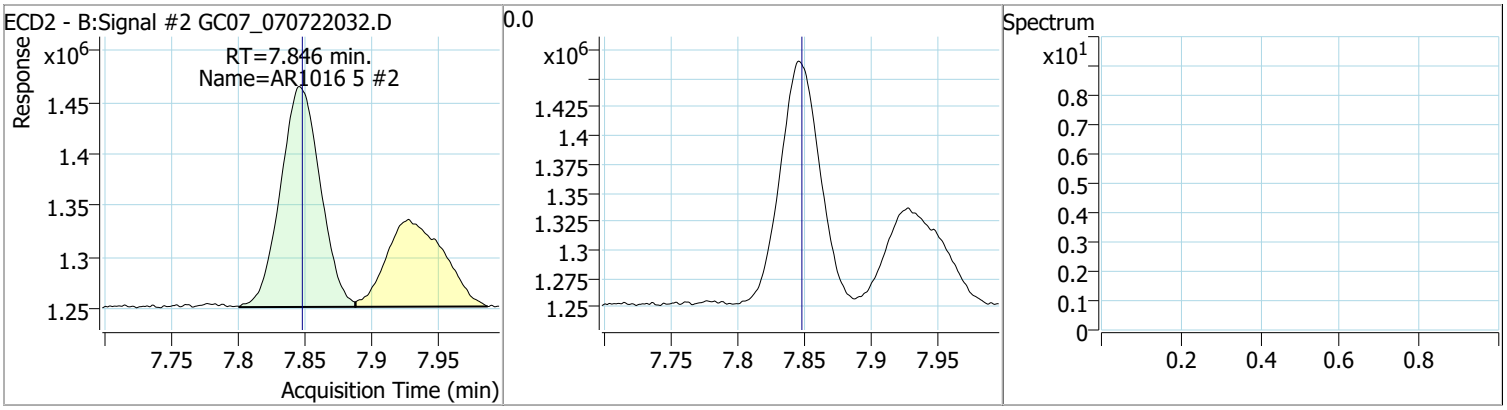
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	281.6487	6.94	0.00	808989				



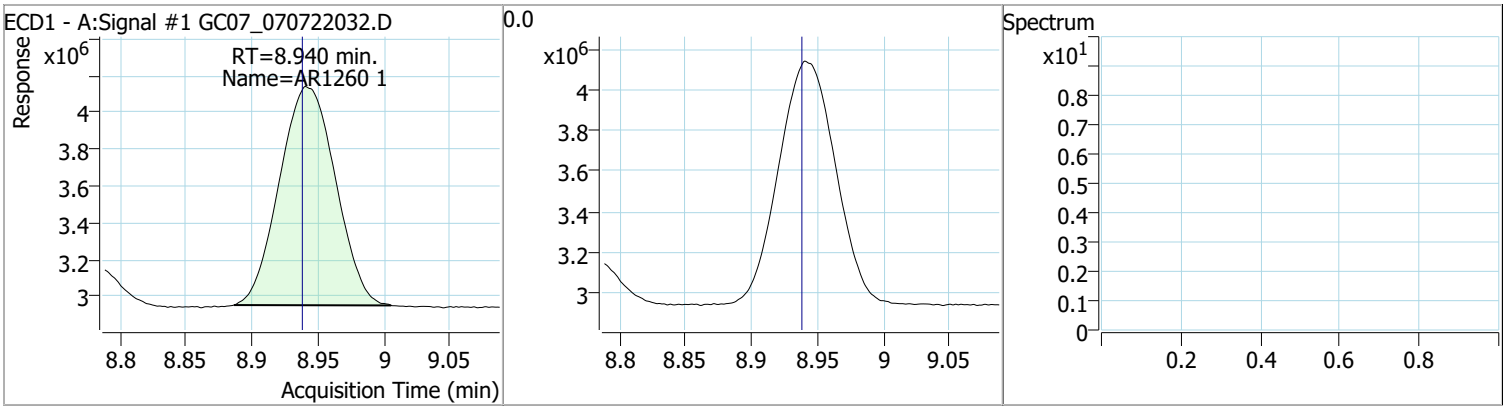
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	285.4074	7.12	0.00	568967				



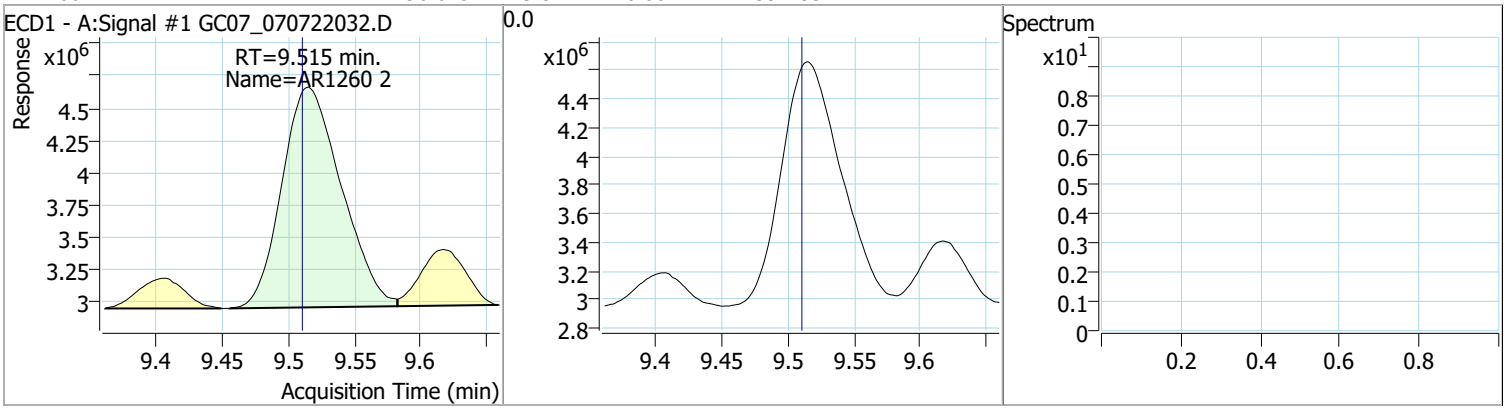
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	267.0278	7.85	0.00	444675				



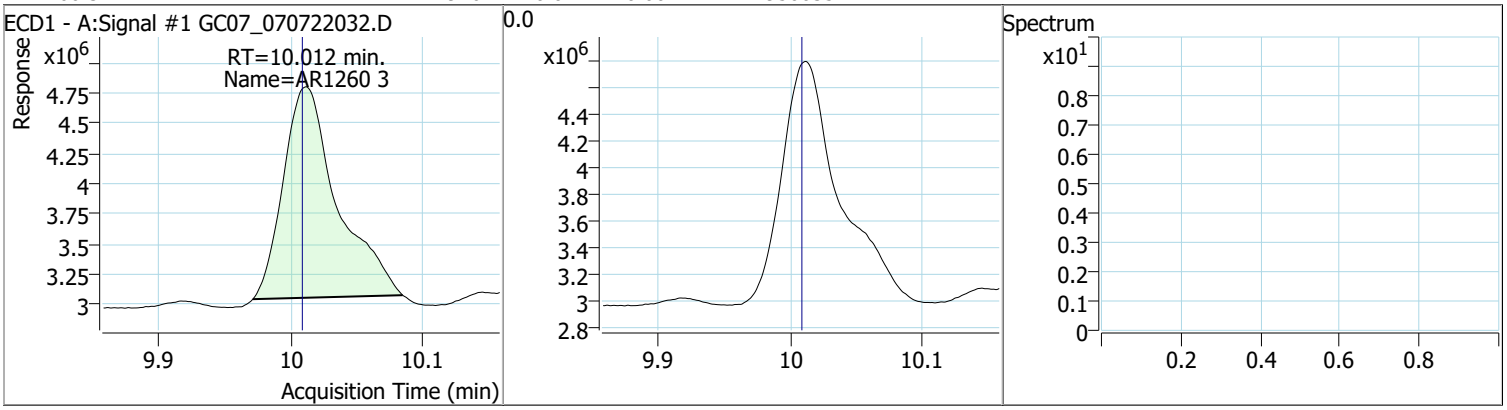
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	281.0224	8.94	0.00	3513151				



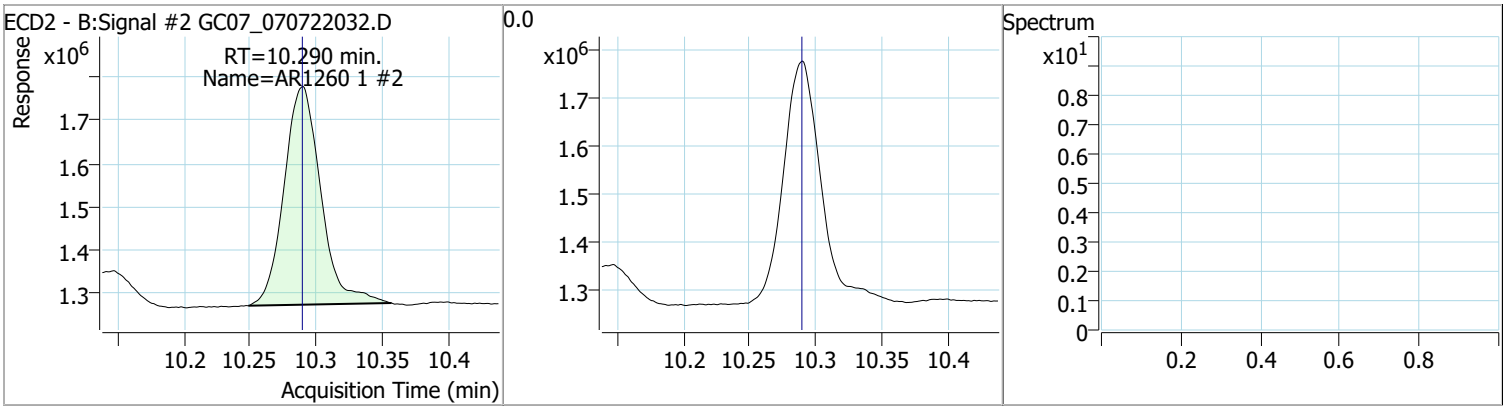
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	296.6157	9.52	0.00	5322997				



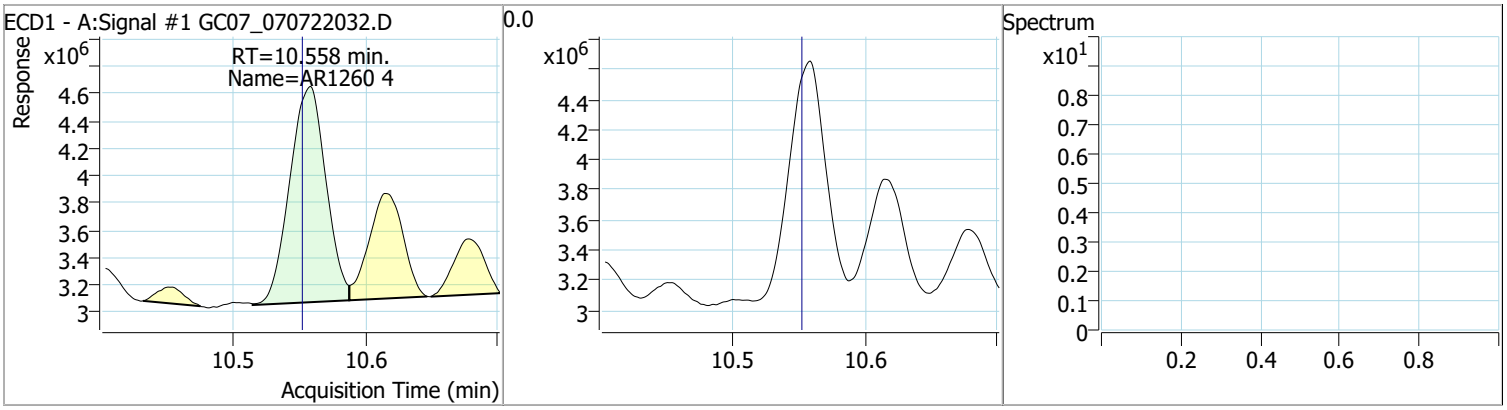
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	272.1916	10.01	0.00	4950035				



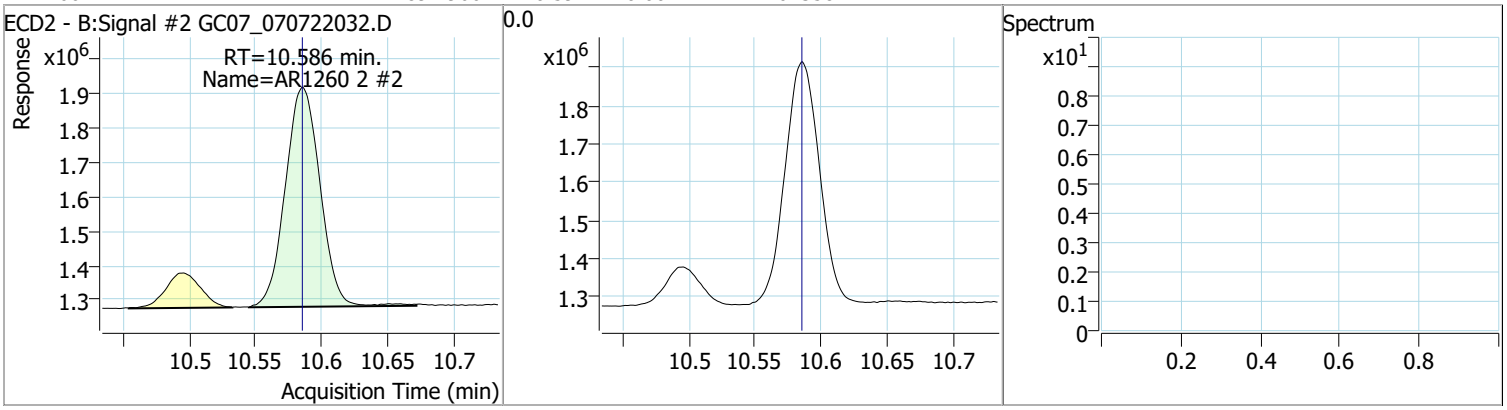
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	269.4494	10.29	0.00	974444				



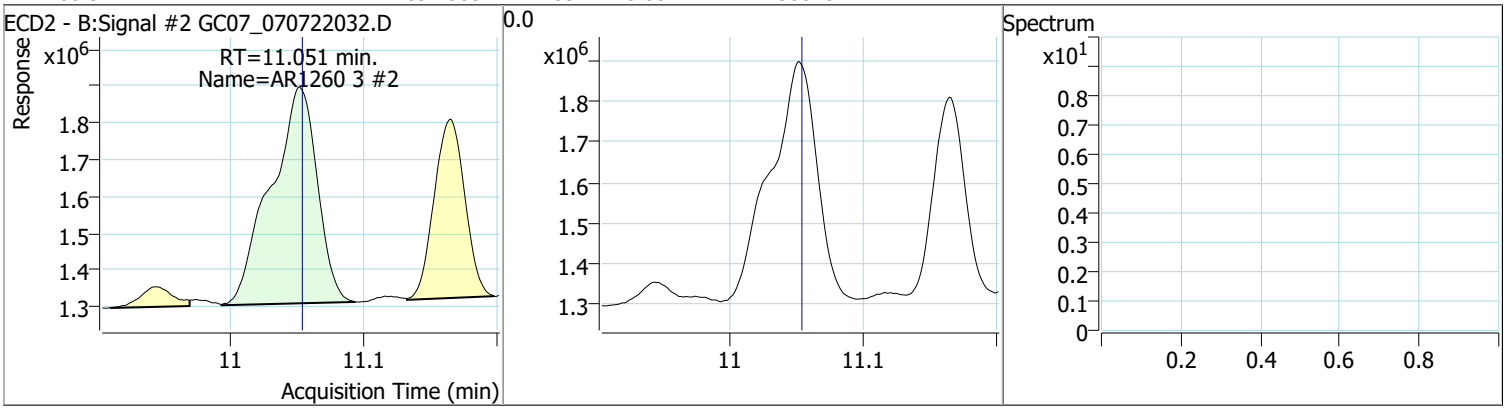
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	325.4822	10.56	0.01	3025928				



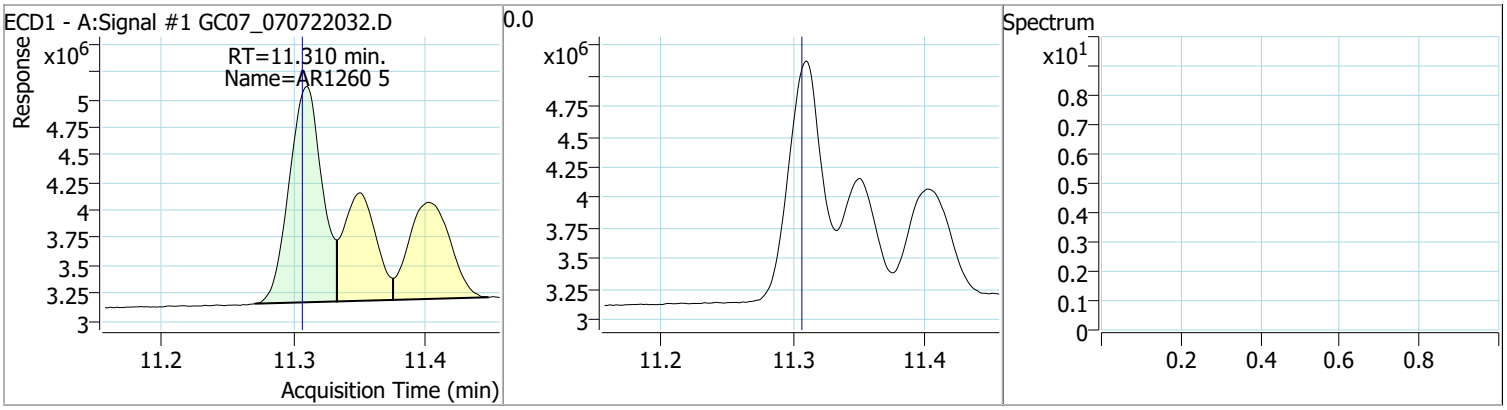
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	289.2966	10.59	0.00	1162358				



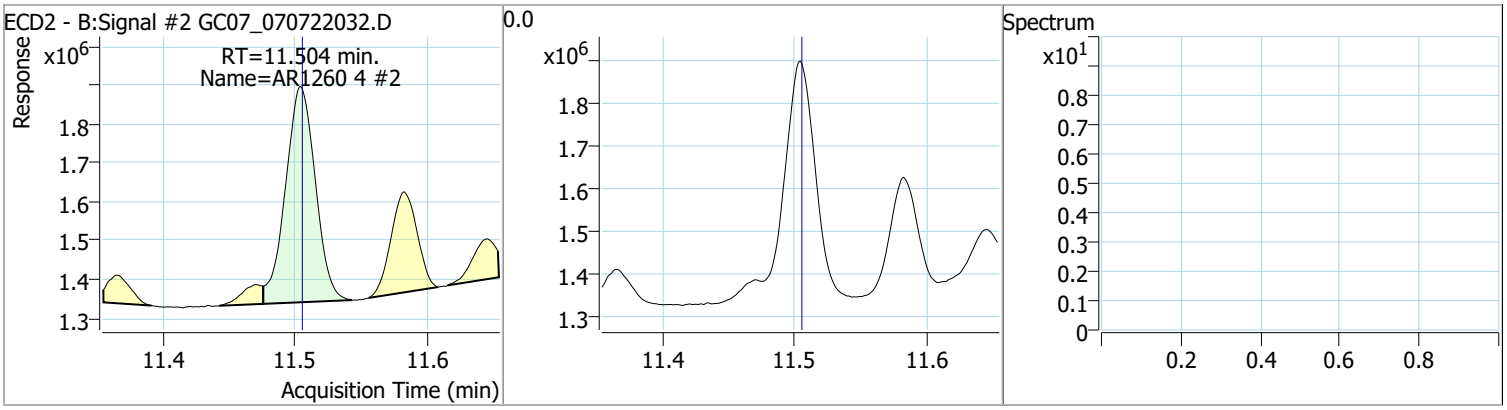
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	289.1585	11.05	0.00	1430010				



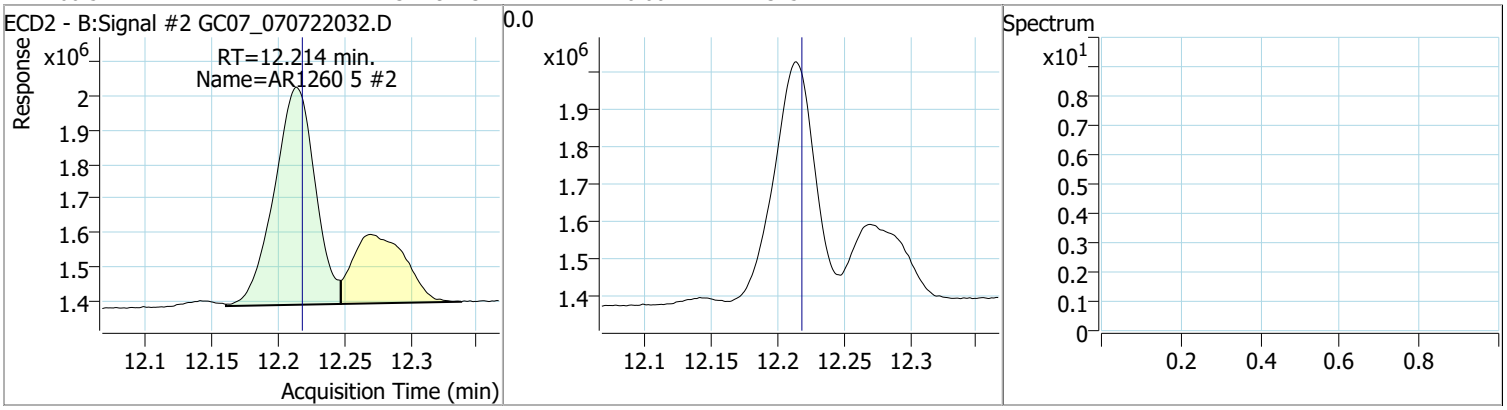
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	396.7233	11.31	0.00	3386133				



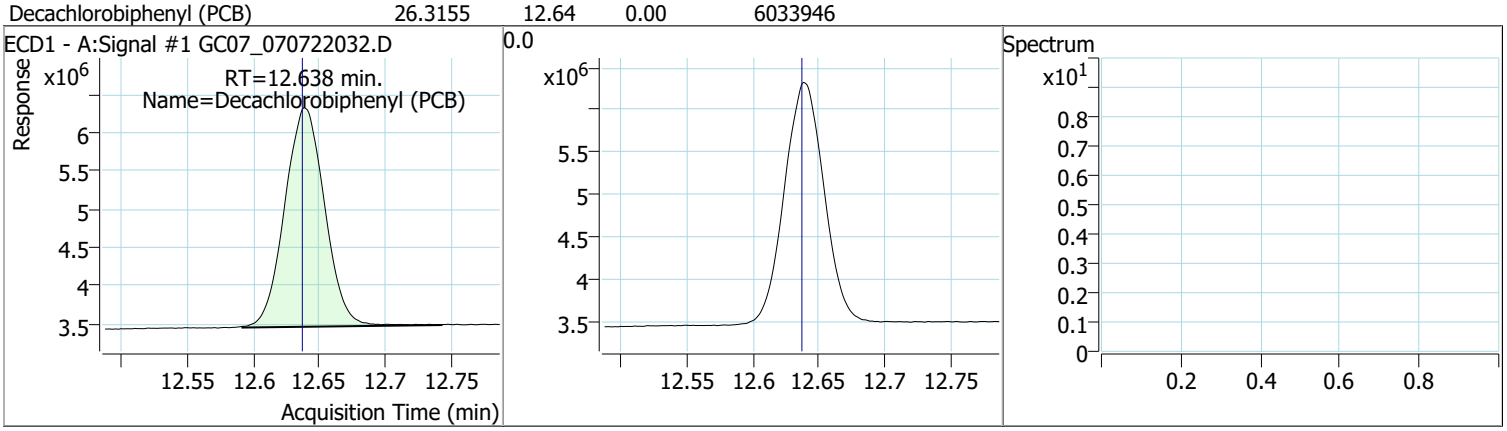
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	314.6809	11.50	0.00	873139				



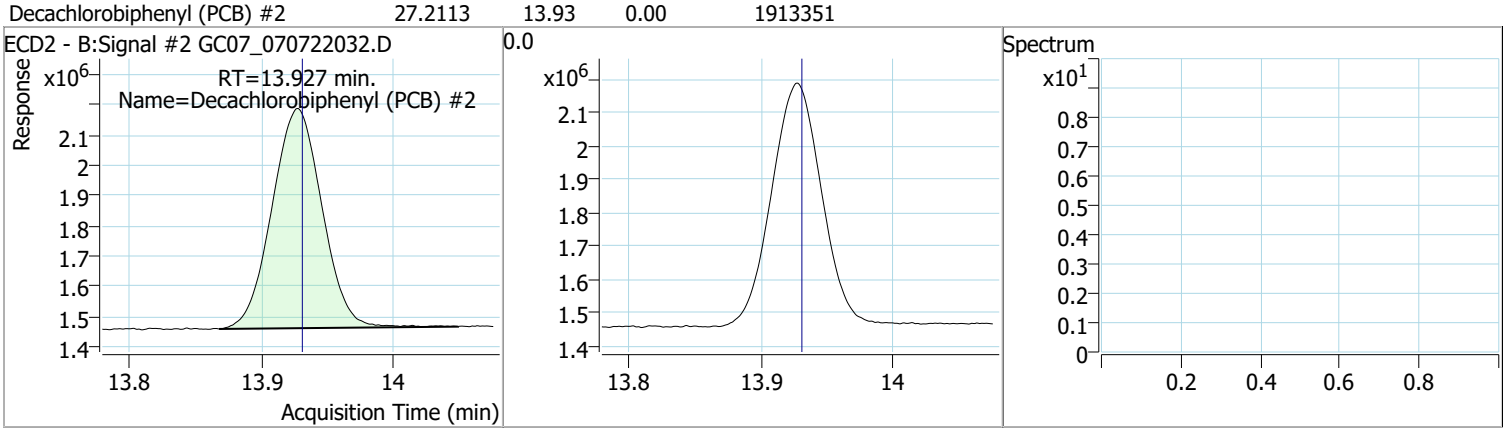
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	344.9473	12.21	0.00	1375411				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	26.3155	12.64	0.00	6033946				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	27.2113	13.93	0.00	1913351				



ENTHALPY SPIKE USER REPORT FOR 465031 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC07	Inst:	SVOA-GC07
Seqnum:	462273158006.8	Seqnum:	462273158007.8
File:	gc07_070822006	File:	gc07_070822007
IDF:	1.0	IDF:	1.0
Lab ID:	QC998415	Lab ID:	QC998416
Matrix:	Wipe	Matrix:	Wipe
Batch:	292307	Batch:	292307
Time:	08-JUL-2022 17:32	Time:	08-JUL-2022 17:50
Cal:	462252739001	Cal:	462252739001
Units:	ug/dm2		

- BS: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Aroclor-1016	5.000	381.8	3.818	A	76	286.2	2.862	A	**57***	60-140	**29***	20	u
Aroclor-1016 Peak # 1		527.5	5.275	A		294.1	2.941	A					
Aroclor-1016 Peak # 2		416.5	4.165	A		272.7	2.727	A					
Aroclor-1016 Peak # 3		296.7	2.967	A		279.1	2.791	A					
Aroclor-1016 Peak # 4		299.8	2.998	A		286.4	2.864	A					
Aroclor-1016 Peak # 5		368.8	3.688	A		298.8	2.988	A					
Aroclor-1260	5.000	371.4	3.714	A	74	335.9	3.359	A	67	60-140	10	20	u
Aroclor-1260 Peak # 1		336.0	3.360	A		308.8	3.088	A					
Aroclor-1260 Peak # 2		342.3	3.423	A		318.6	3.186	A					
Aroclor-1260 Peak # 3		351.3	3.513	A		288.3	2.883	A					
Aroclor-1260 Peak # 4		373.8	3.738	A		349.9	3.499	A					
Aroclor-1260 Peak # 5		453.7	4.537	A		414.0	4.140	A					
Surrogates													
TCMX (PCB)	0.5000	25.77	0.2577	A	52	25.14	0.2514	A	**50***	52-186			u
Decachlorobiphenyl (PCB)	0.5000	29.23	0.2923	A	**58***	27.07	0.2707	A	**54***	60-140			u

ISTD (CCV gc07_070822004)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1196701	959314	-19.84
1-bromo-2-nitrobenzene (PCB)	A	4359760	3634738	-16.63

ISTD (CCV gc07_070822004)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.30	4.30	0.00

ISTD (CCV gc07_070822004)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1196701	1119283	-6.47
1-bromo-2-nitrobenzene (PCB)	A	4359760	4185144	-4.01

ISTD (CCV gc07_070822004)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.30	4.30	0.00

Analyst: TRN 07/09/22 *

Reviewer: LW 07/11/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC07_070822006.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/8/2022 5:32:46 PM
Sample Name	QC998415, 292307, 1	Instrument	SVOA-GC07
Vial	1	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_6.m	Comment	WIPE/1S-20ML//RR
Tune File	ATUNE.U	Tune Date	
Batch Name	070822PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
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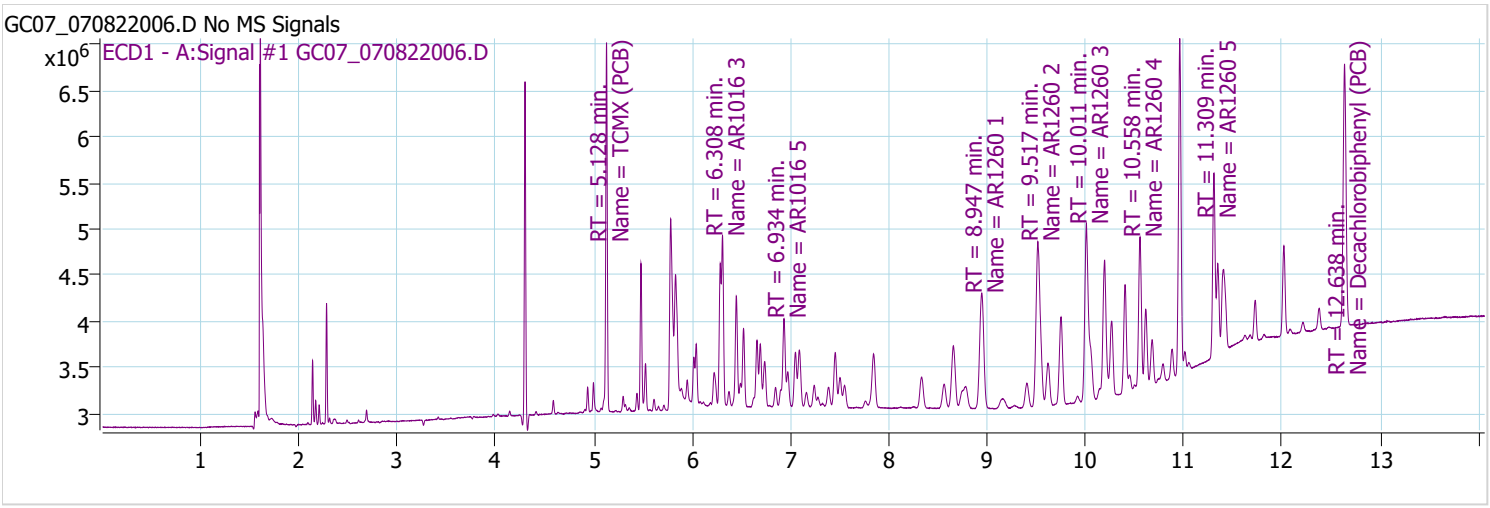
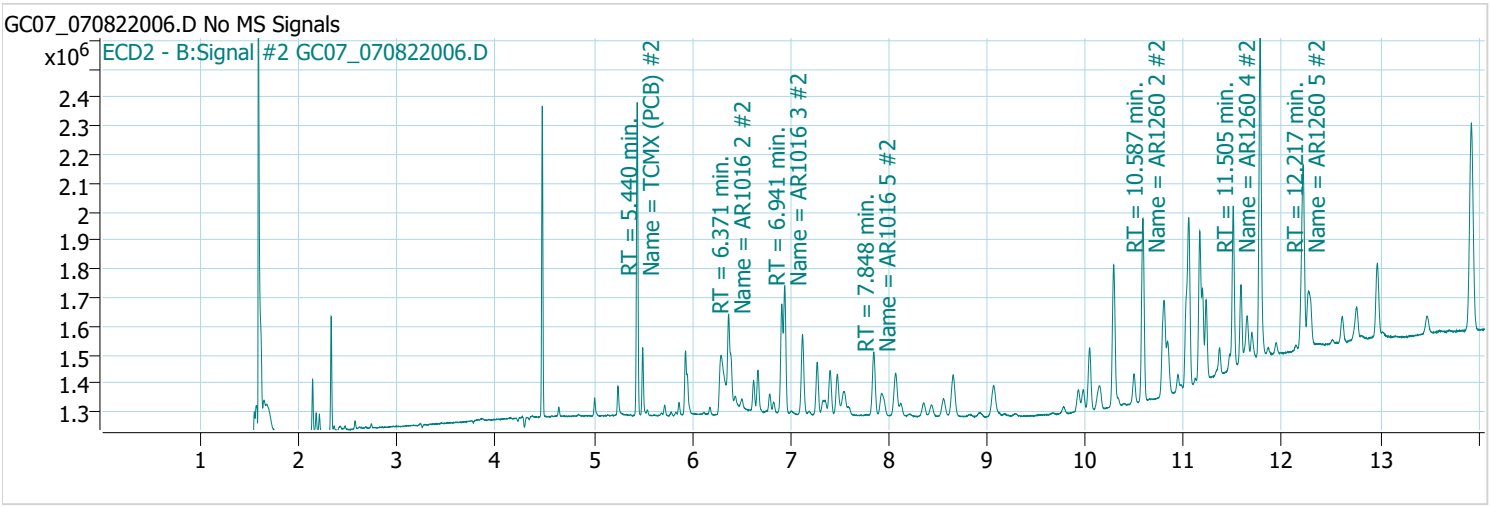


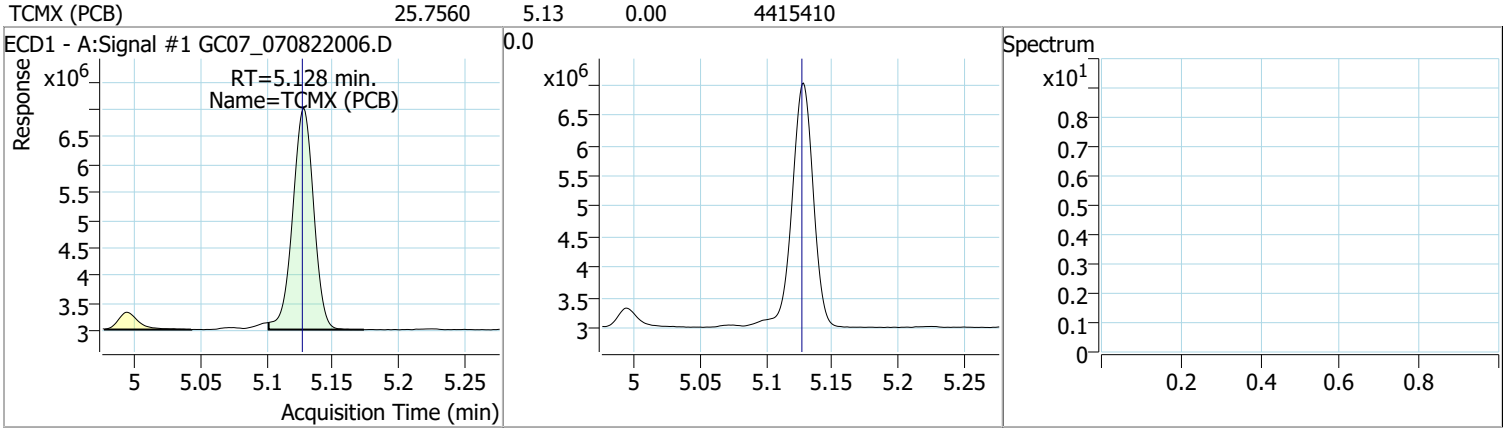


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.299	0.0	3634738.490	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.474	0.0	959314.321	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.128	0.0	4415410.321	25.7560	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 128.78%			
S TCMX (PCB) #2	5.440	0.0	1189633.047	27.3251	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 136.63%			
S Decachlorobiphenyl (PCB)	12.638	0.0	5932477.710	29.2181	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 146.09%			
S Decachlorobiphenyl (PCB) #2	13.928	0.0	1853965.754	31.3851	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 156.93%		*	
Target Compounds							QValue

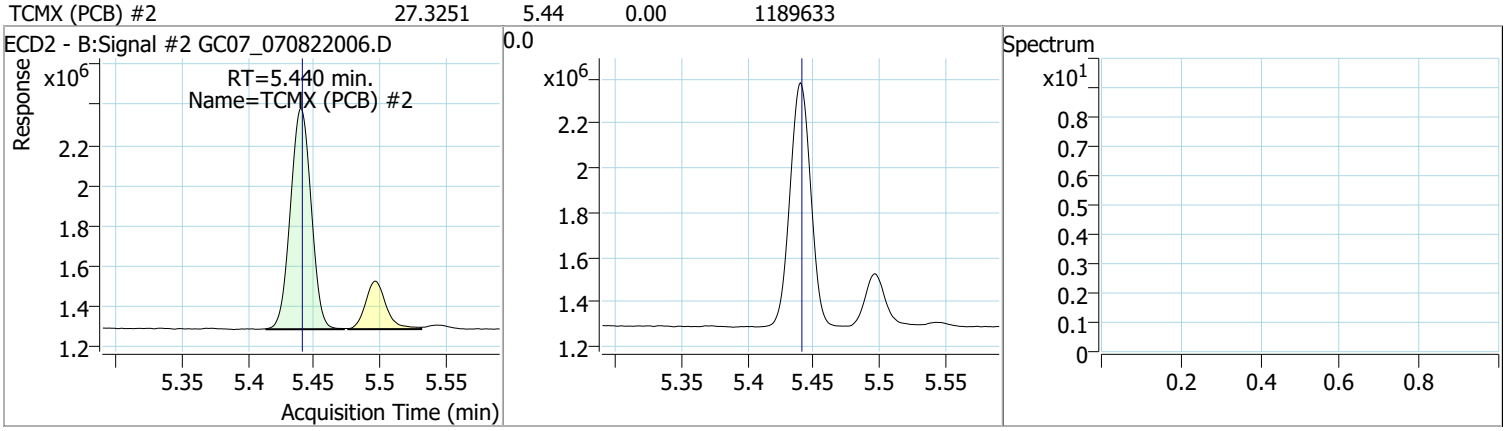
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.478	0.0	1838414.957	527.2145	ng/ml	100
T AR1016 2	5.830	0.0	3145757.762	416.2412	ng/ml	100
T AR1016 1 #2	5.932	0.0	446412.145	462.0874	ng/ml	100
T AR1016 3	6.308	0.0	2595289.289	296.5528	ng/ml	100
T AR1016 2 #2	6.371	0.0	805895.378	383.0908	ng/ml	100
T AR1016 4	6.448	0.0	1885562.082	299.6134	ng/ml	100
T AR1016 5	6.934	0.0	1932086.931	368.5698	ng/ml	100
T AR1016 3 #2	6.941	0.0	739955.917	306.6469	ng/ml	100
T AR1016 4 #2	7.123	0.0	524619.442	313.2494	ng/ml	100
T AR1016 5 #2	7.848	0.0	455974.469	325.9283	ng/ml	100
T AR1260 1	8.947	0.0	3717552.531	335.8205	ng/ml	100
T AR1260 2	9.517	0.0	5436220.896	342.0905	ng/ml	100
T AR1260 3	10.011	0.0	5653980.359	351.0967	ng/ml	100
T AR1260 1 #2	10.289	0.0	1010928.770	332.7426	ng/ml	100
T AR1260 4	10.558	0.0	3075348.696	373.5674	ng/ml	100
T AR1260 2 #2	10.587	0.0	1165132.858	345.1805	ng/ml	100
T AR1260 3 #2	11.053	0.0	1464711.105	352.5465	ng/ml	100
T AR1260 5	11.309	0.0	3426963.404	453.4184	ng/ml	100
T AR1260 4 #2	11.505	0.0	878949.542	377.0671	ng/ml	100
T AR1260 5 #2	12.217	0.0	1360300.002	406.0904	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

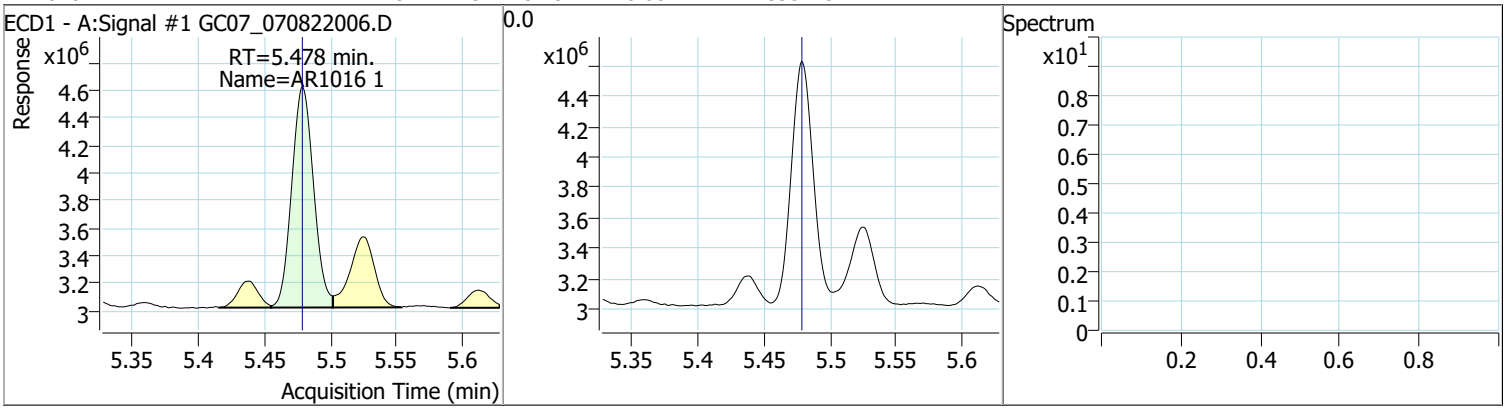
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	25.7560	5.13	0.00	4415410				



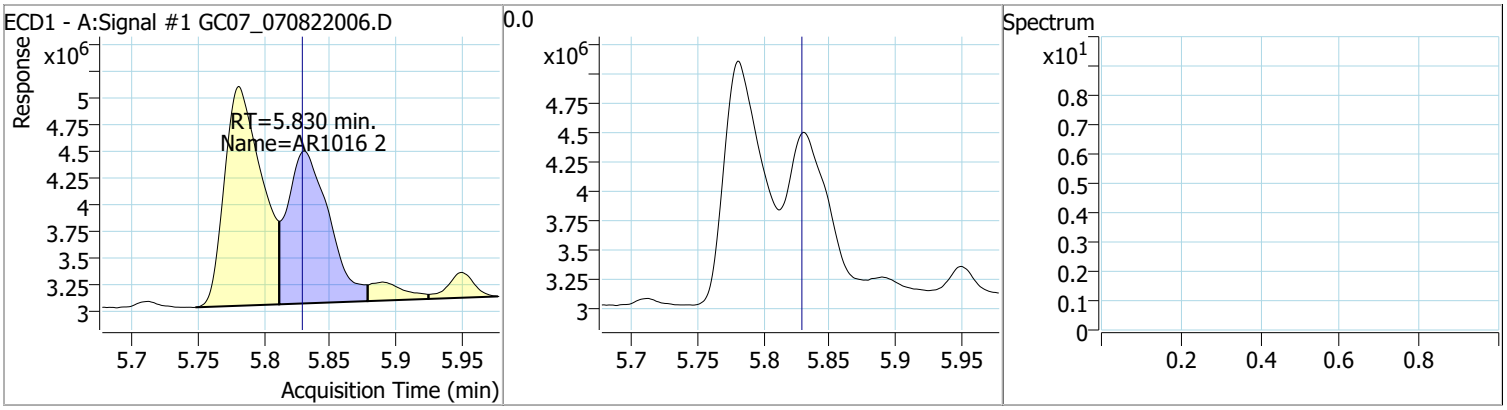
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	27.3251	5.44	0.00	1189633				



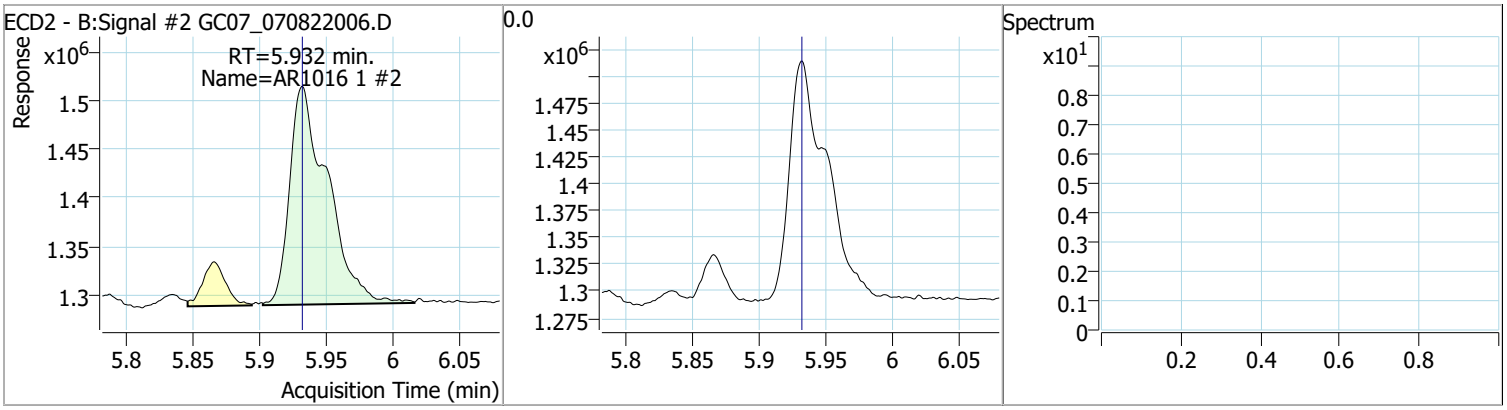
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	527.2145	5.48	0.00	1838415				



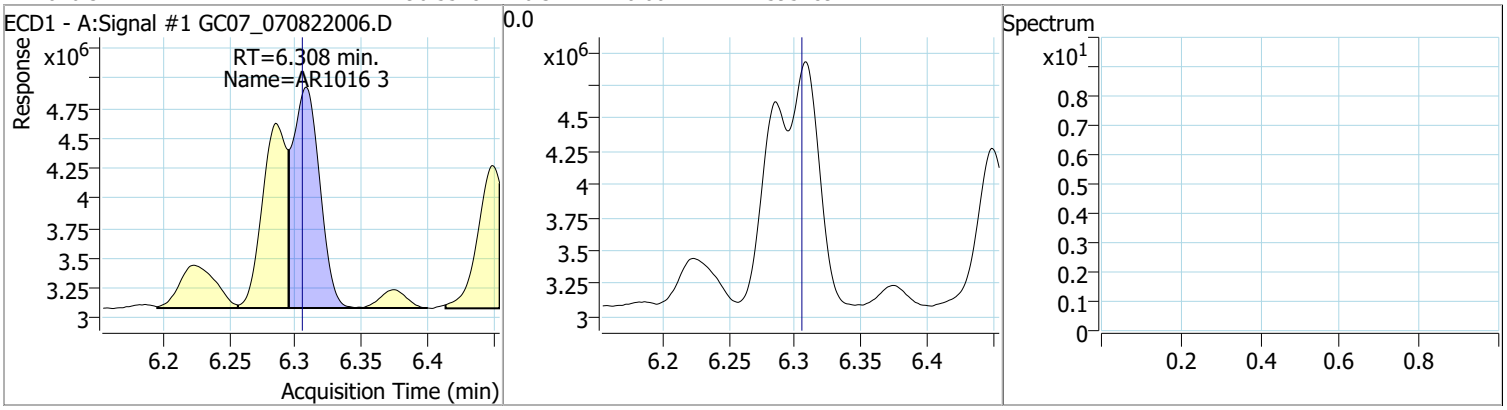
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	416.2412	5.83	0.00	3145758				



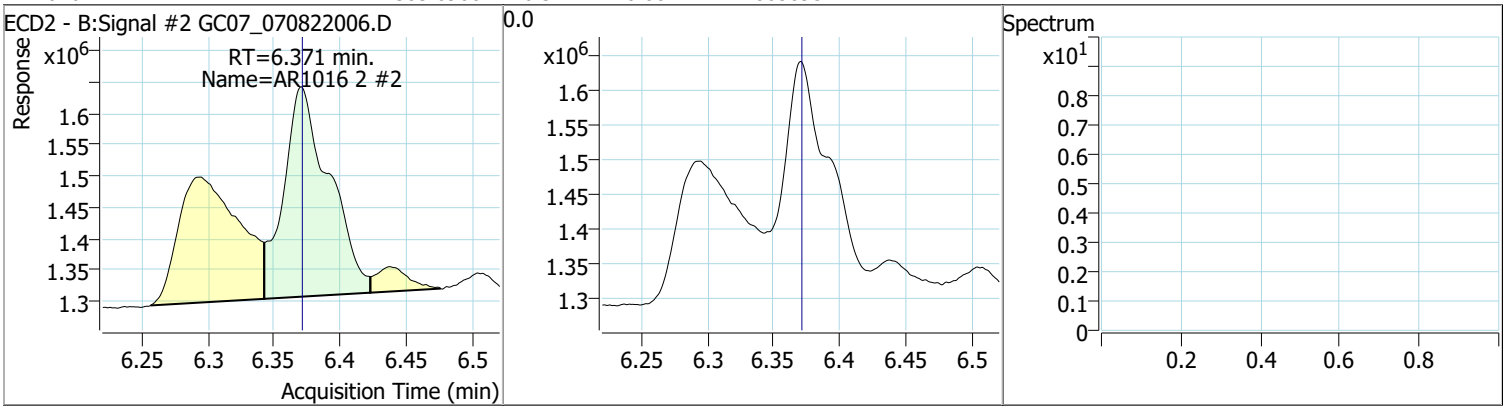
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	462.0874	5.93	0.00	446412				



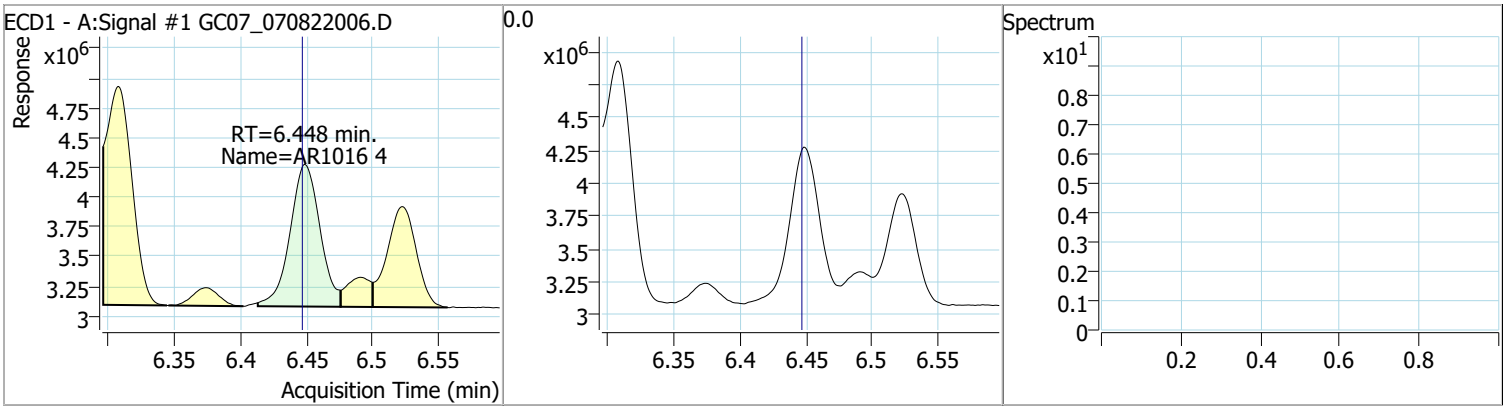
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	296.5528	6.31	0.00	2595289				



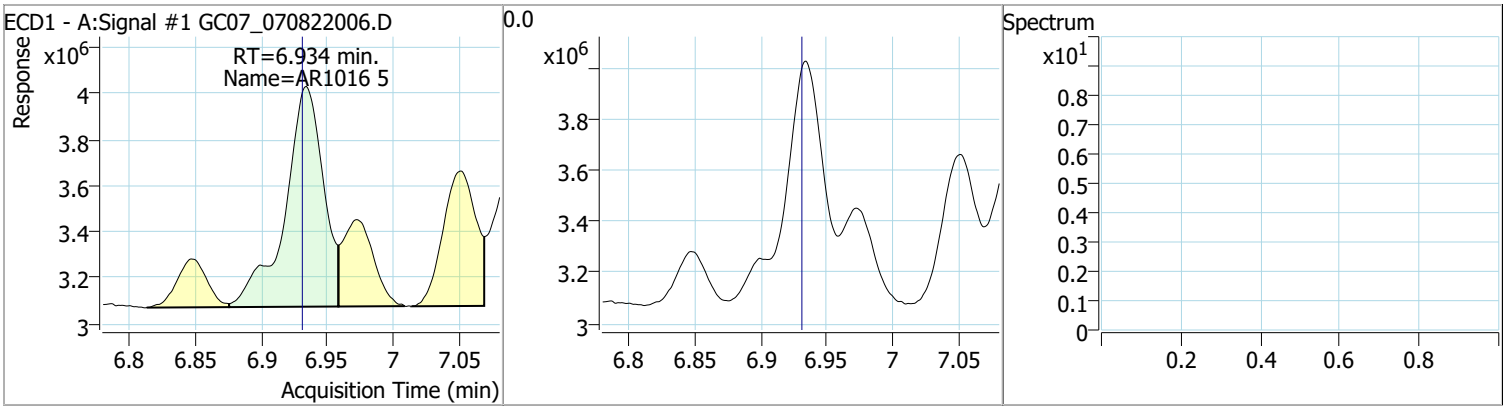
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	383.0908	6.37	0.00	805895				



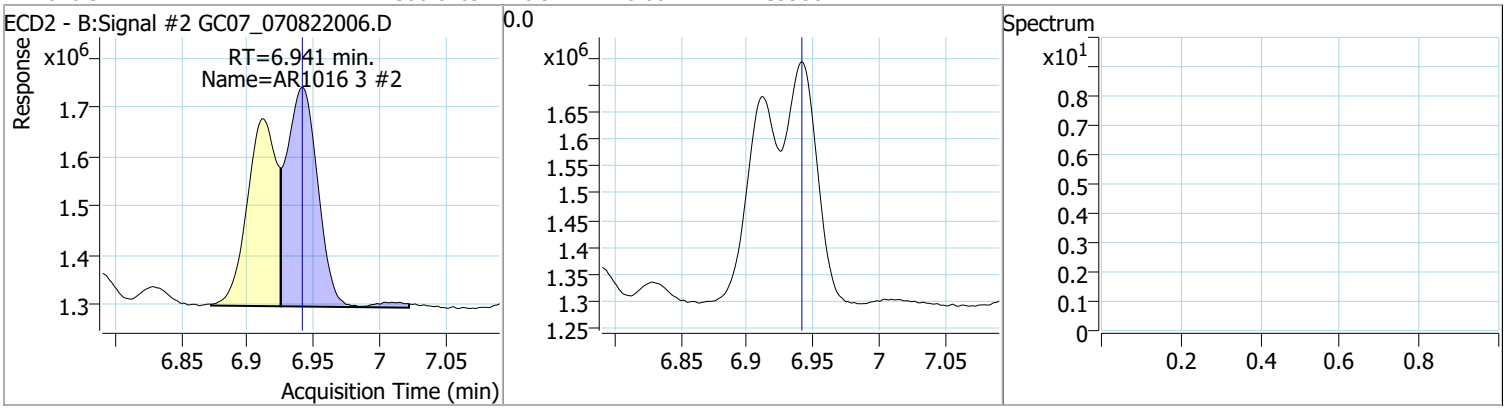
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	299.6134	6.45	0.00	1885562				



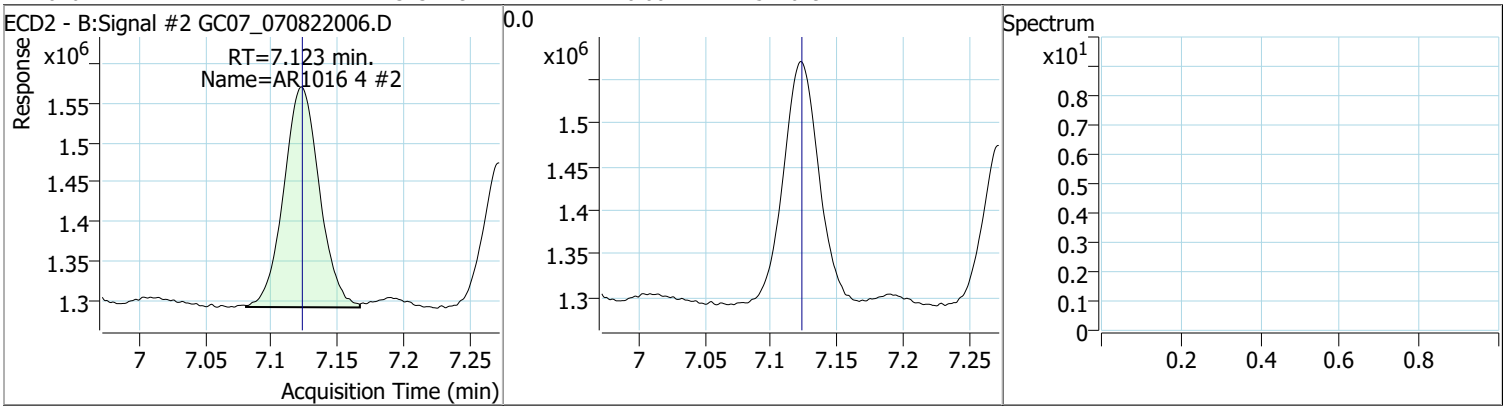
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	368.5698	6.93	0.00	1932087				



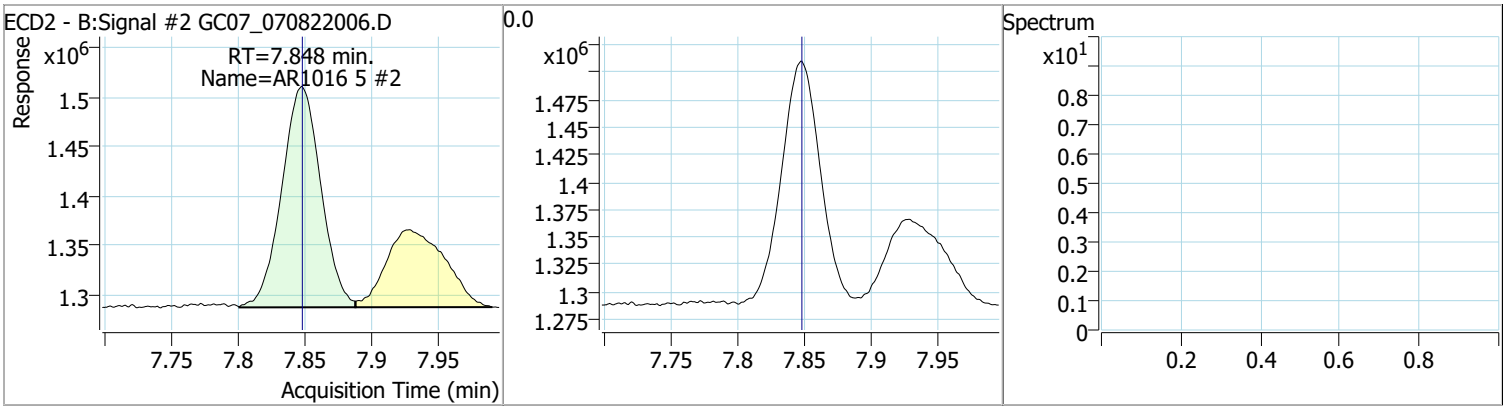
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	306.6469	6.94	0.00	739956				



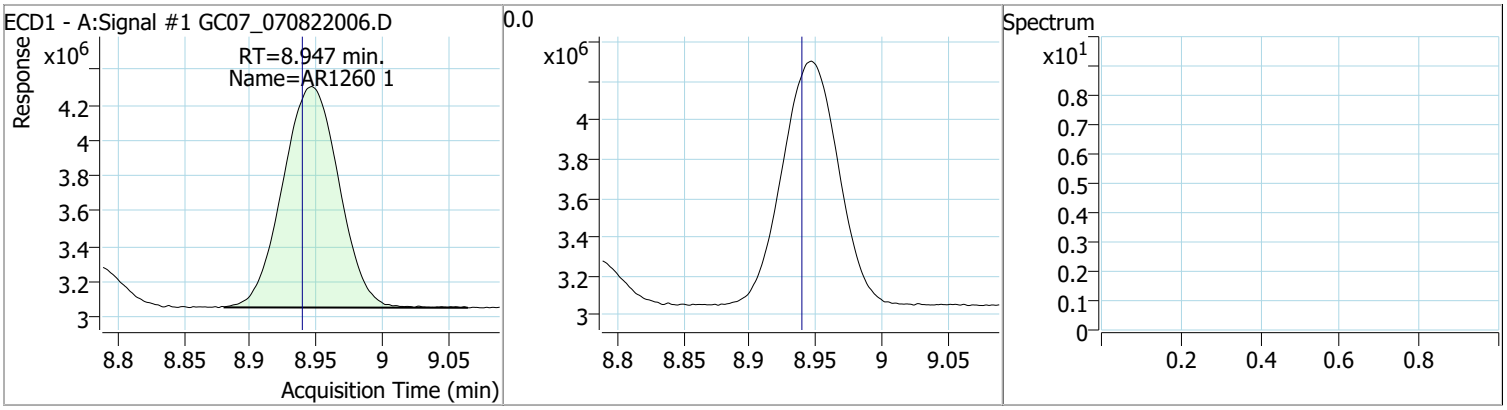
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	313.2494	7.12	0.00	524619				



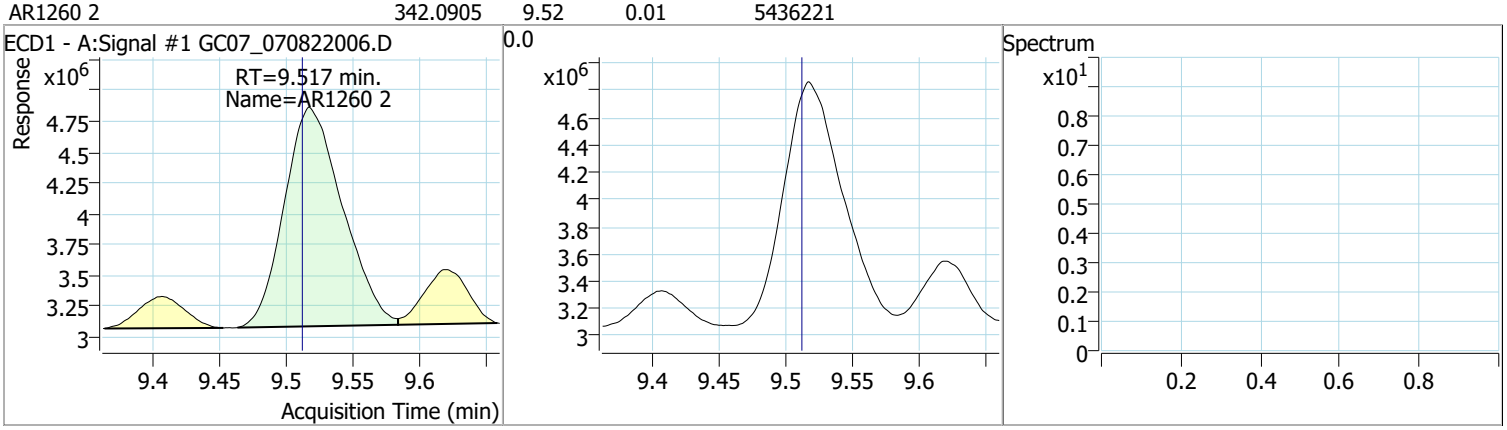
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	325.9283	7.85	0.00	455974				



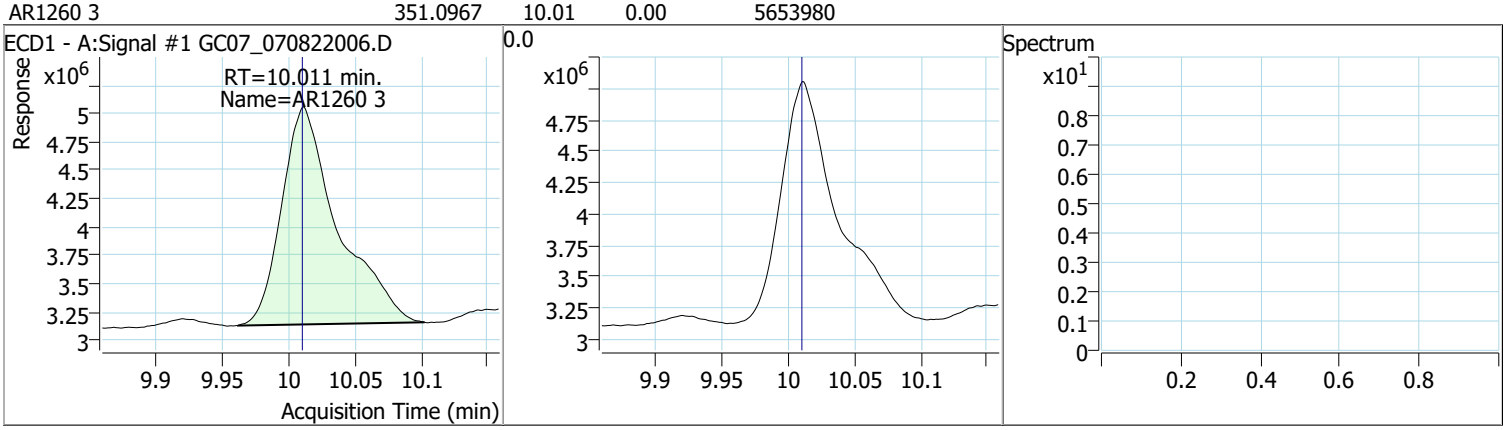
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	335.8205	8.95	0.01	3717553				



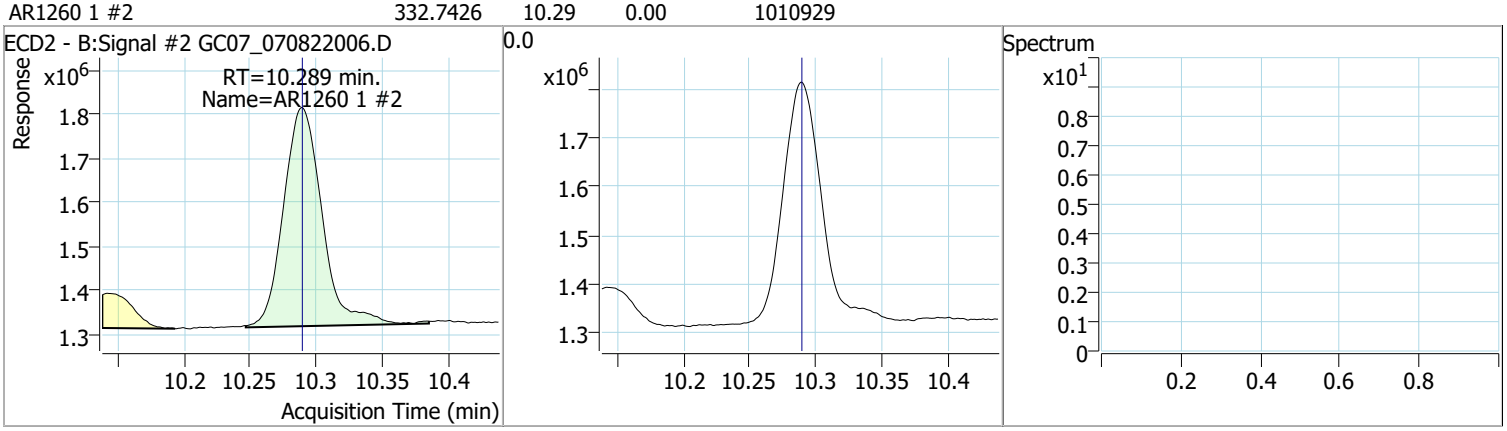
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	342.0905	9.52	0.01	5436221				



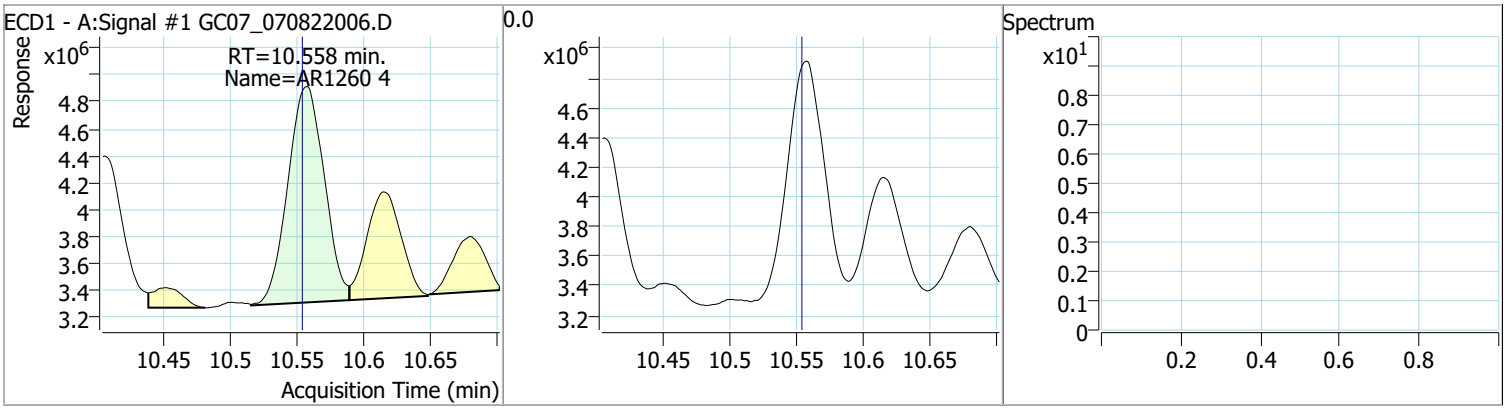
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	351.0967	10.01	0.00	5653980				



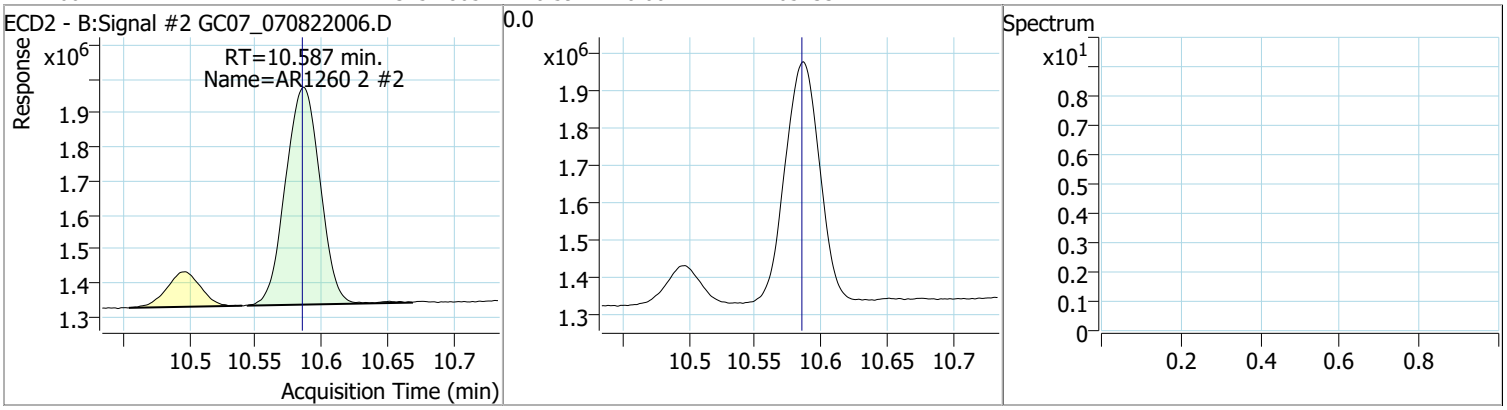
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	332.7426	10.29	0.00	1010929				



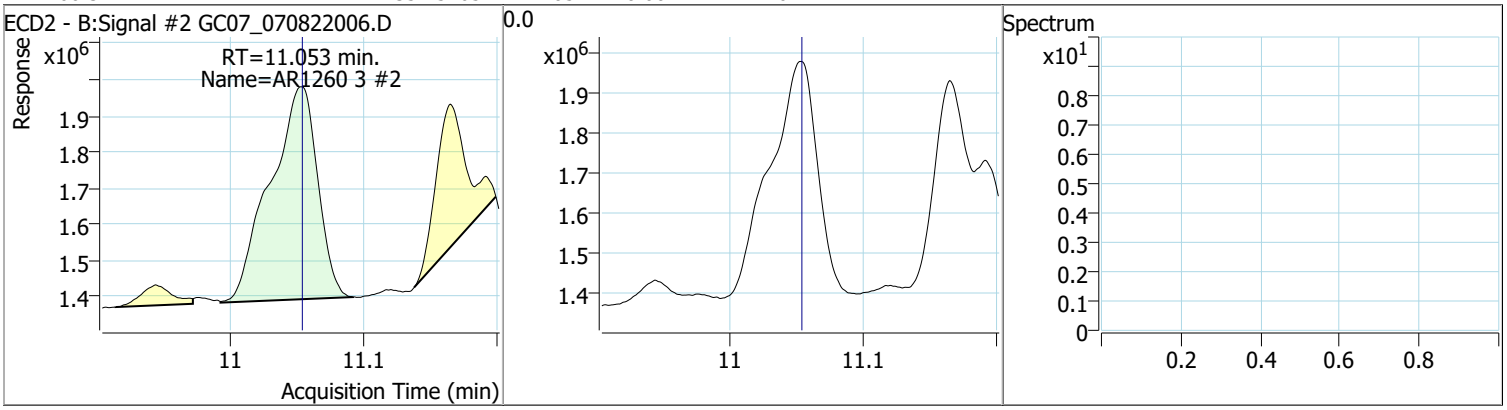
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	373.5674	10.56	0.01	3075349				



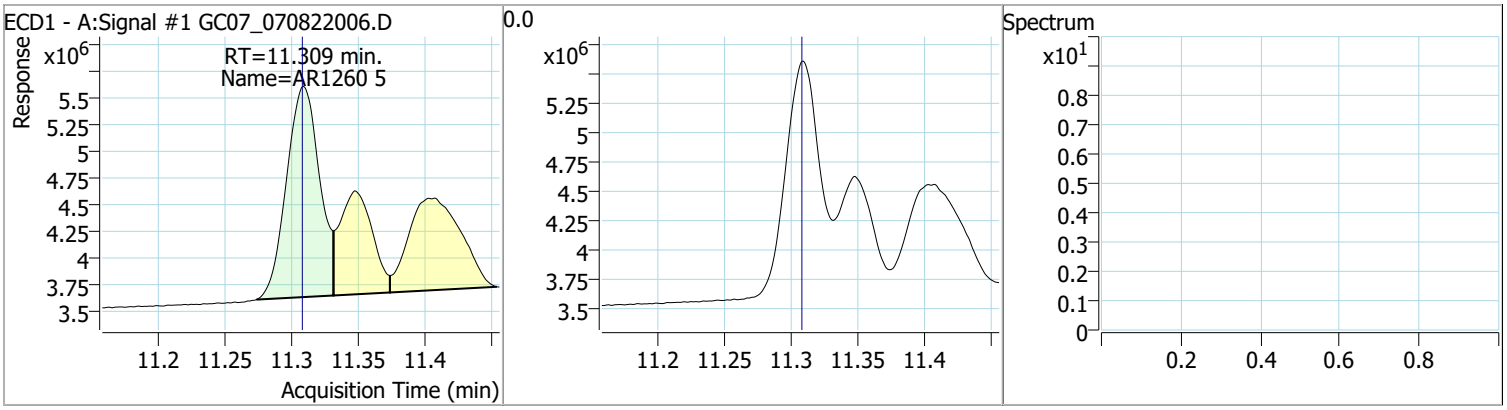
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	345.1805	10.59	0.00	1165133				



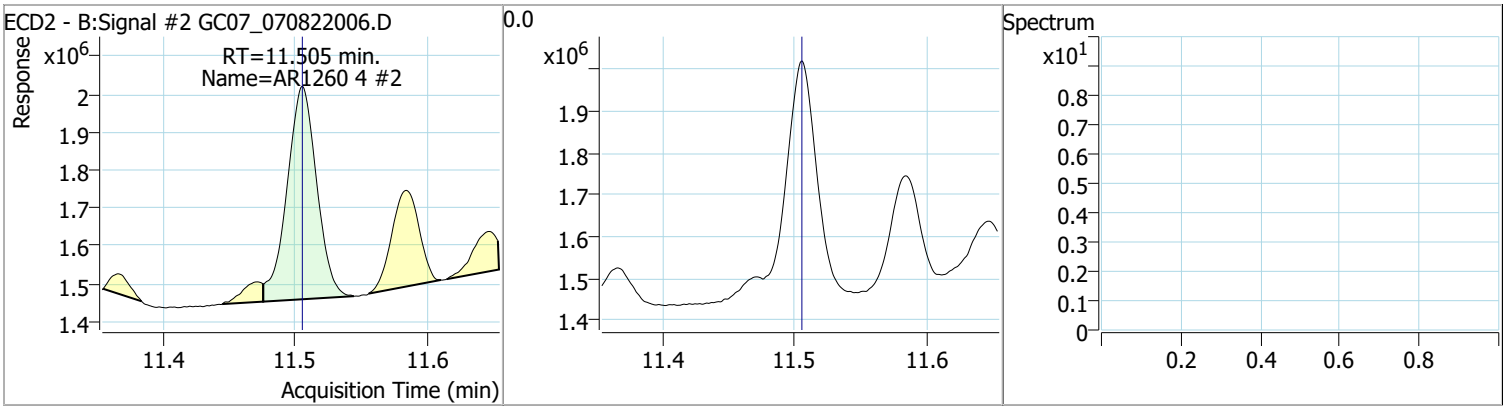
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	352.5465	11.05	0.00	1464711				



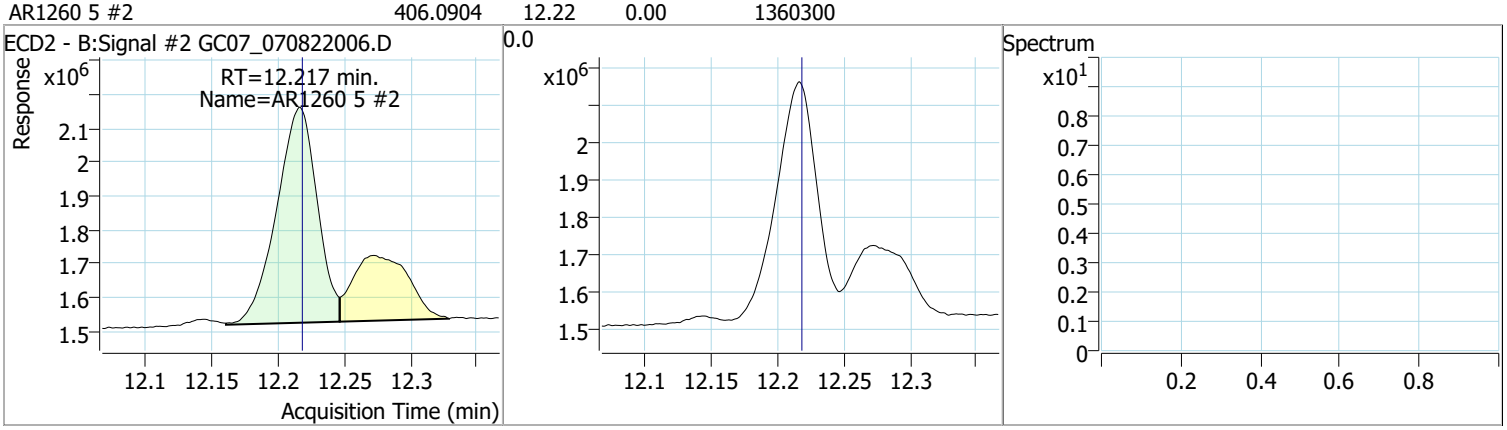
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	453.4184	11.31	0.00	3426963				



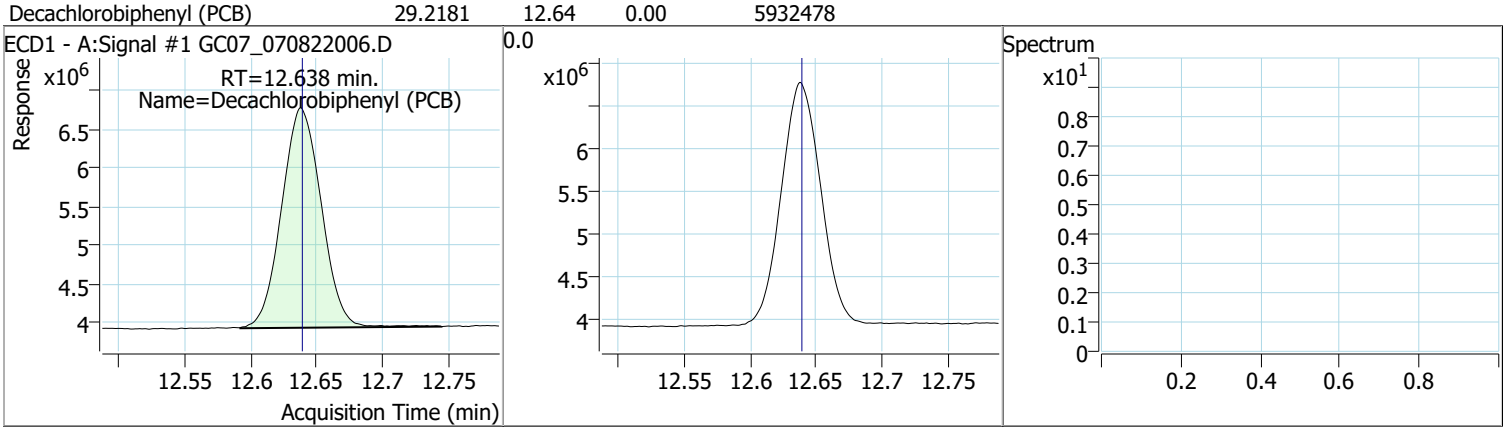
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	377.0671	11.51	0.00	878950				



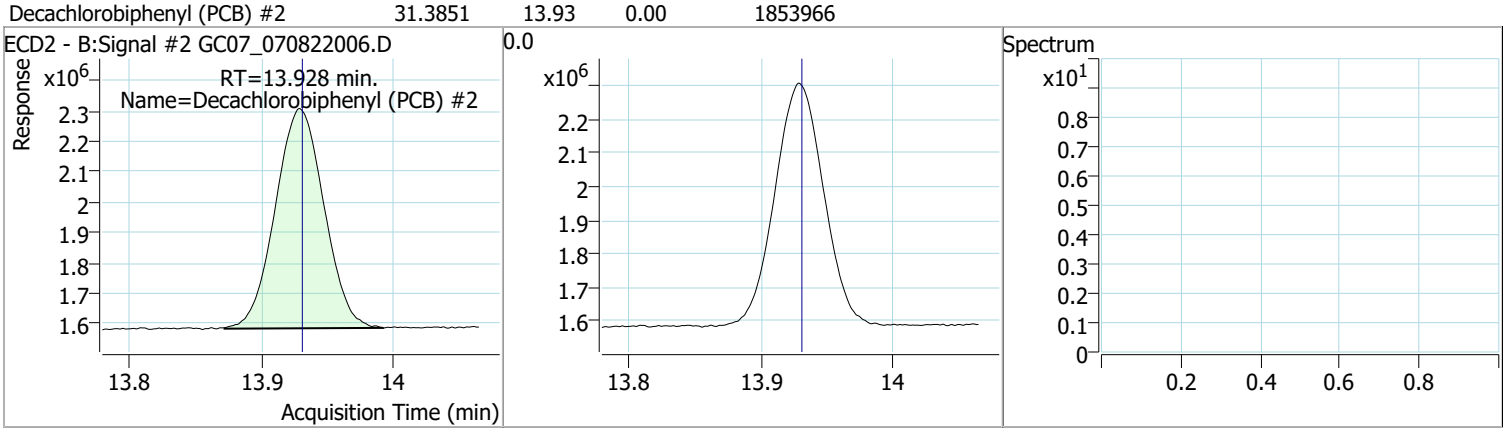
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	406.0904	12.22	0.00	1360300				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	29.2181	12.64	0.00	5932478				

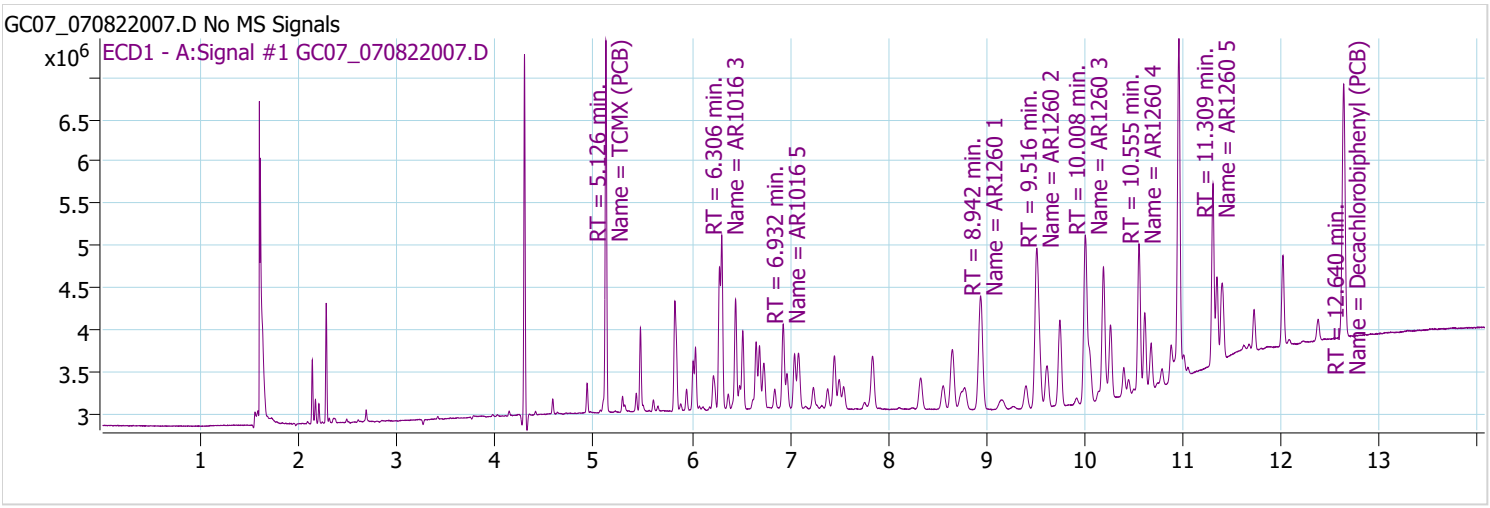


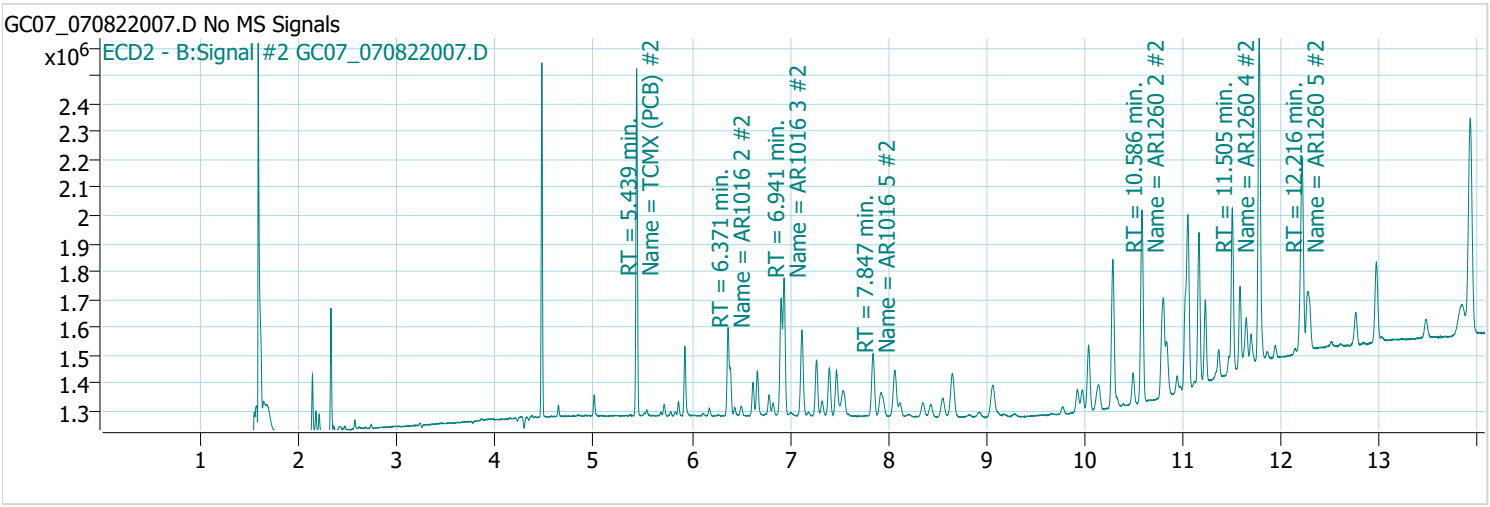
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	31.3851	13.93	0.00	1853966				



Quantitation Results Report (Not Reviewed)

Data File	GC07_070822007.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/8/2022 5:50:21 PM
Sample Name	QC998416, 292307, 1	Instrument	SVOA-GC07
Vial	2	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_6.m	Comment	WIPE/1S-20ML//RR
Tune File	ATUNE.U	Tune Date	
Batch Name	070822PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



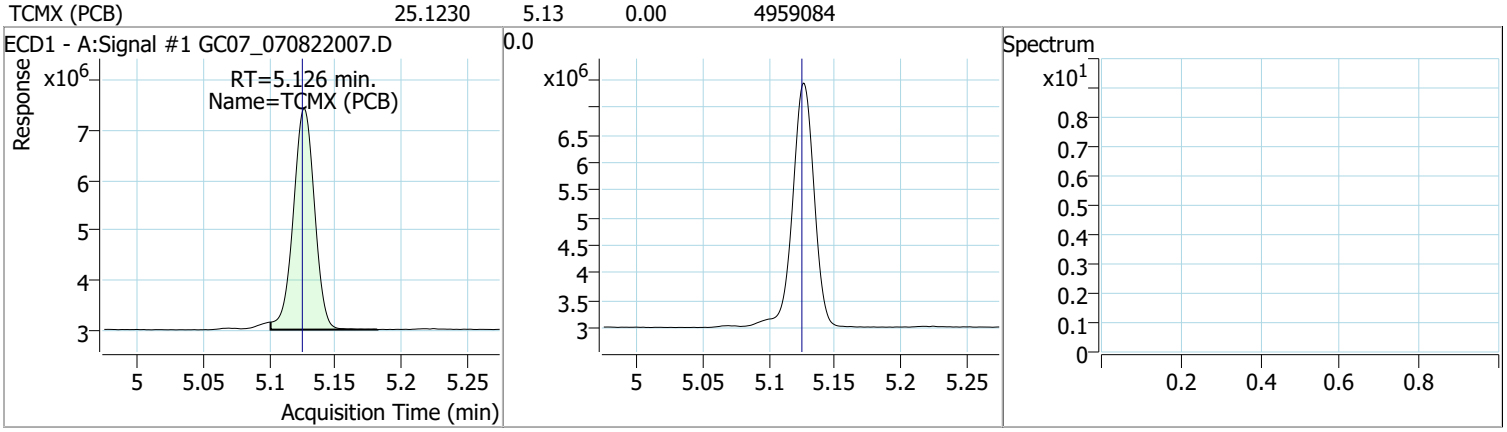


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.297	0.0	4185144.090	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.473	0.0	1119282.714	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.126	0.0	4959084.341	25.1230	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 125.61%		
S TCMX (PCB) #2	5.439	0.0	1341056.202	26.4008	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 132.00%		
S Decachlorobiphenyl (PCB)	12.640	0.0	6325390.656	27.0562	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 135.28%		
S Decachlorobiphenyl (PCB) #2	13.928	0.0	2025220.619	29.3843	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 146.92%		
Target Compounds						QValue

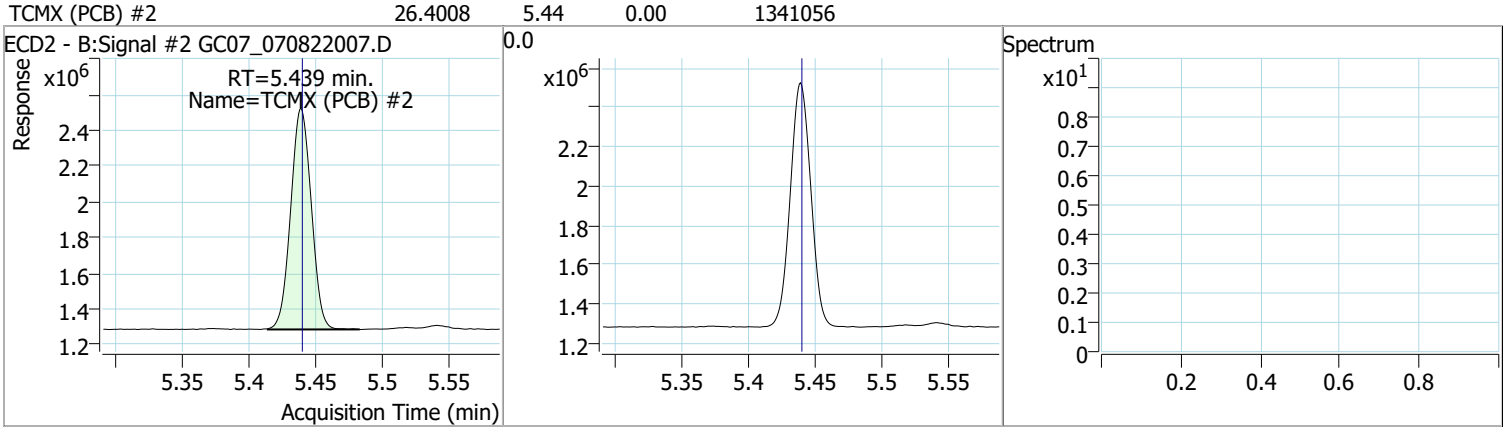
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.478	0.0	1180237.259	293.9516	ng/ml	100
T AR1016 2	5.828	0.0	2372085.723	272.5919	ng/ml	100
T AR1016 1 #2	5.930	0.0	314364.180	278.8960	ng/ml	100
T AR1016 3	6.306	0.0	2810576.628	278.9167	ng/ml	100
T AR1016 2 #2	6.371	0.0	639942.870	260.7266	ng/ml	100
T AR1016 4	6.447	0.0	2073973.548	286.2110	ng/ml	100
T AR1016 5	6.932	0.0	1802681.163	298.6585	ng/ml	100
T AR1016 3 #2	6.941	0.0	795104.179	282.4086	ng/ml	100
T AR1016 4 #2	7.123	0.0	576996.386	295.2841	ng/ml	100
T AR1016 5 #2	7.847	0.0	458060.728	280.6246	ng/ml	100
T AR1260 1	8.942	0.0	3934493.797	308.6752	ng/ml	100
T AR1260 2	9.516	0.0	5827245.501	318.4711	ng/ml	100
T AR1260 3	10.008	0.0	5342952.751	288.1486	ng/ml	100
T AR1260 1 #2	10.289	0.0	1078080.467	304.1306	ng/ml	100
T AR1260 4	10.555	0.0	3314819.111	349.7012	ng/ml	100
T AR1260 2 #2	10.586	0.0	1247152.036	316.6732	ng/ml	100
T AR1260 3 #2	11.053	0.0	1571864.185	324.2654	ng/ml	100
T AR1260 5	11.309	0.0	3600330.350	413.7089	ng/ml	100
T AR1260 4 #2	11.505	0.0	975041.828	358.5081	ng/ml	100
T AR1260 5 #2	12.216	0.0	1475124.272	377.4311	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

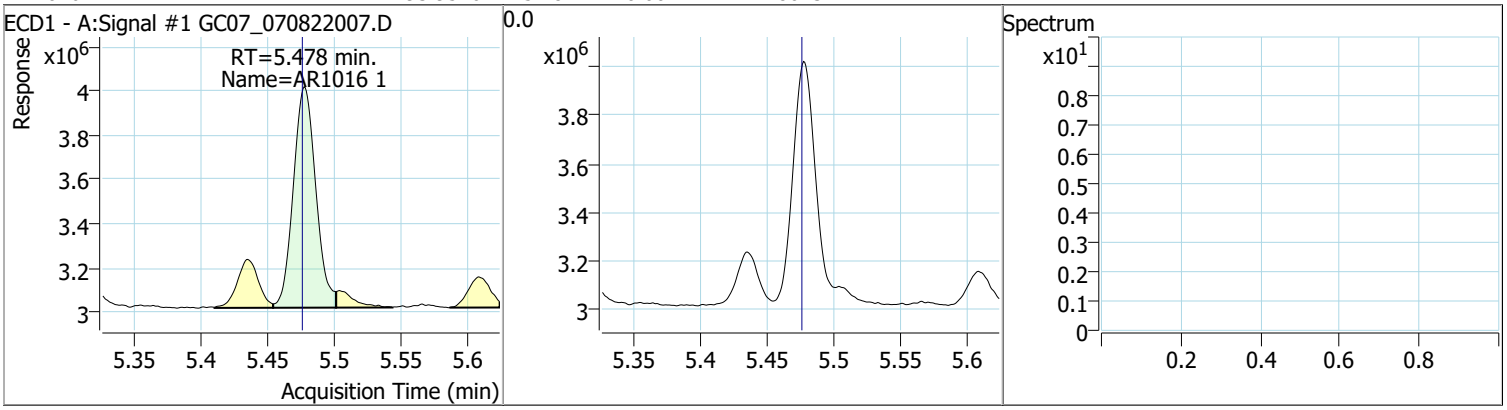
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	25.1230	5.13	0.00	4959084				



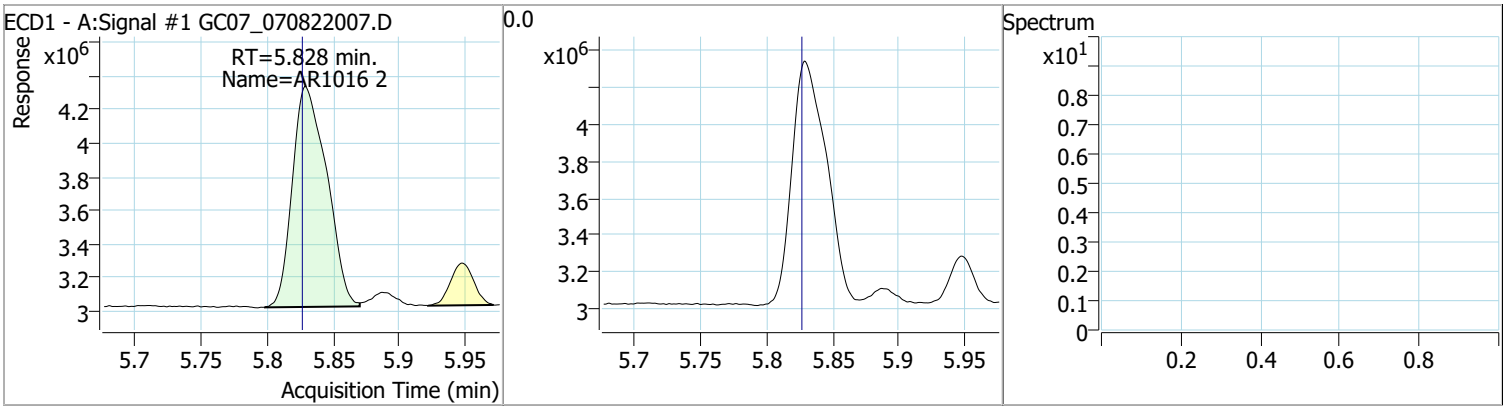
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	26.4008	5.44	0.00	1341056				



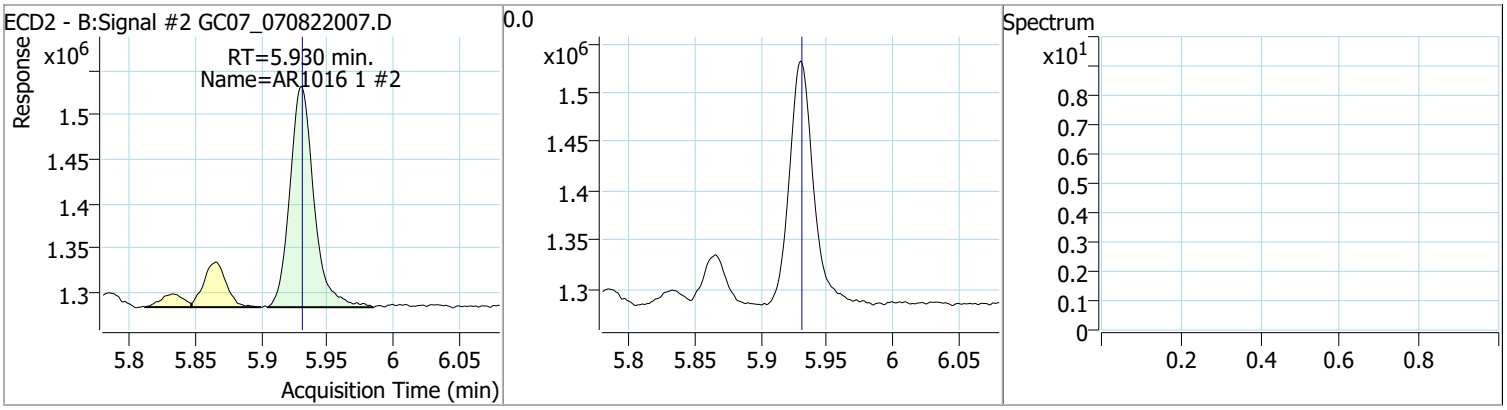
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	293.9516	5.48	0.00	1180237				



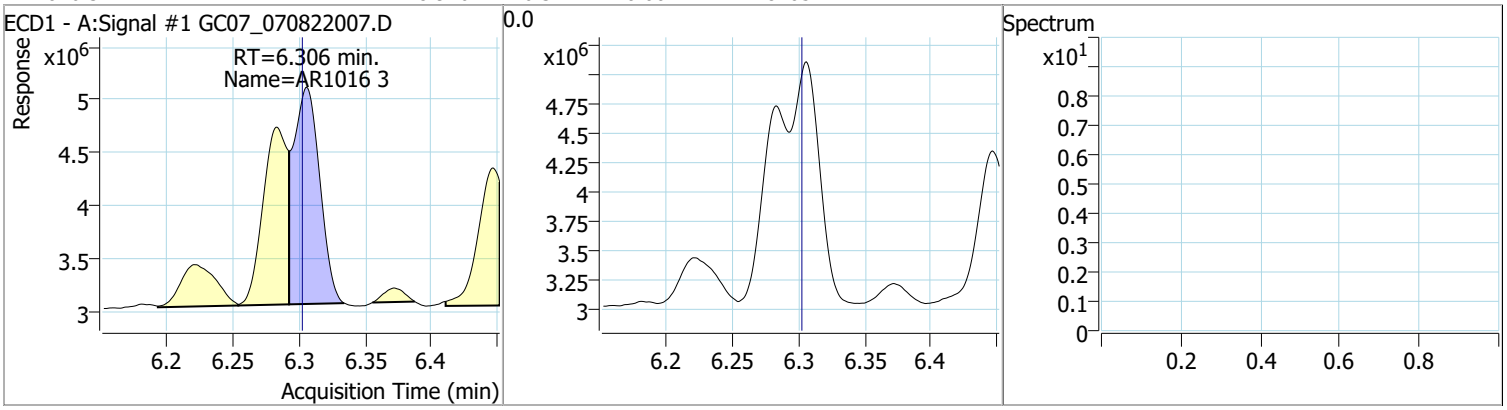
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	272.5919	5.83	0.00	2372086				



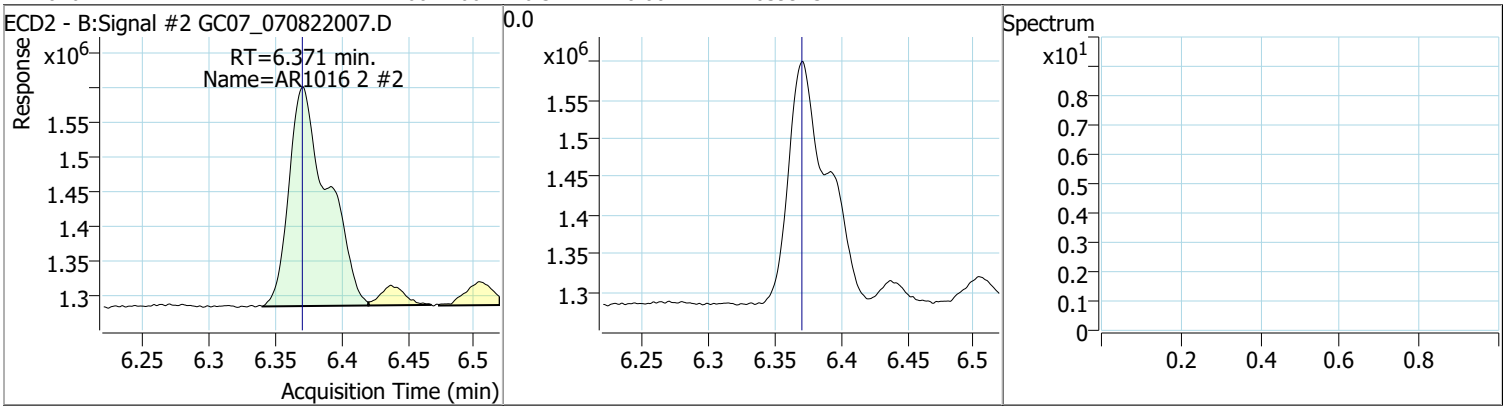
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	278.8960	5.93	0.00	314364				



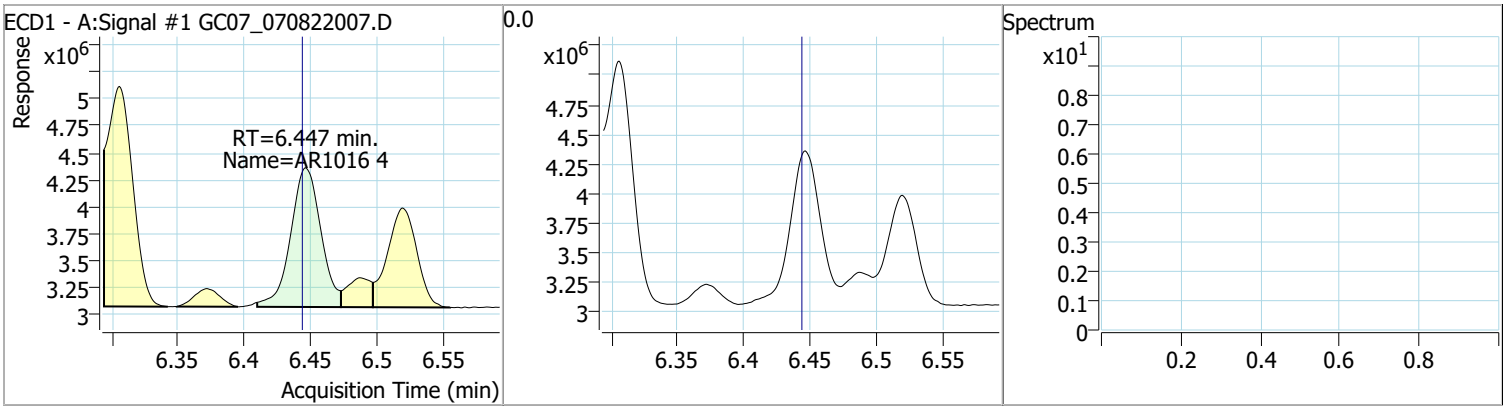
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	278.9167	6.31	0.00	2810577				



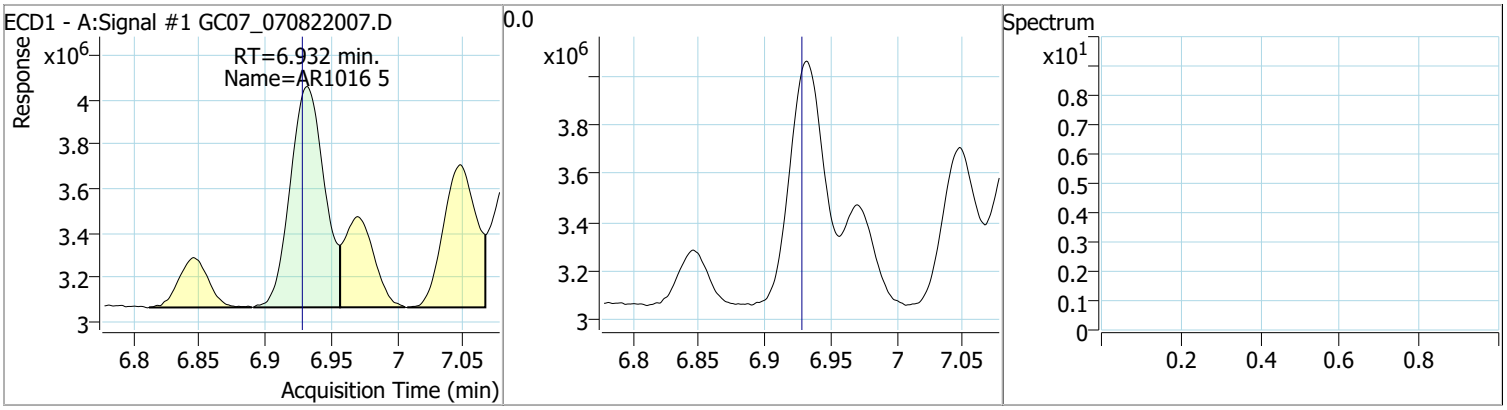
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	260.7266	6.37	0.00	639943				



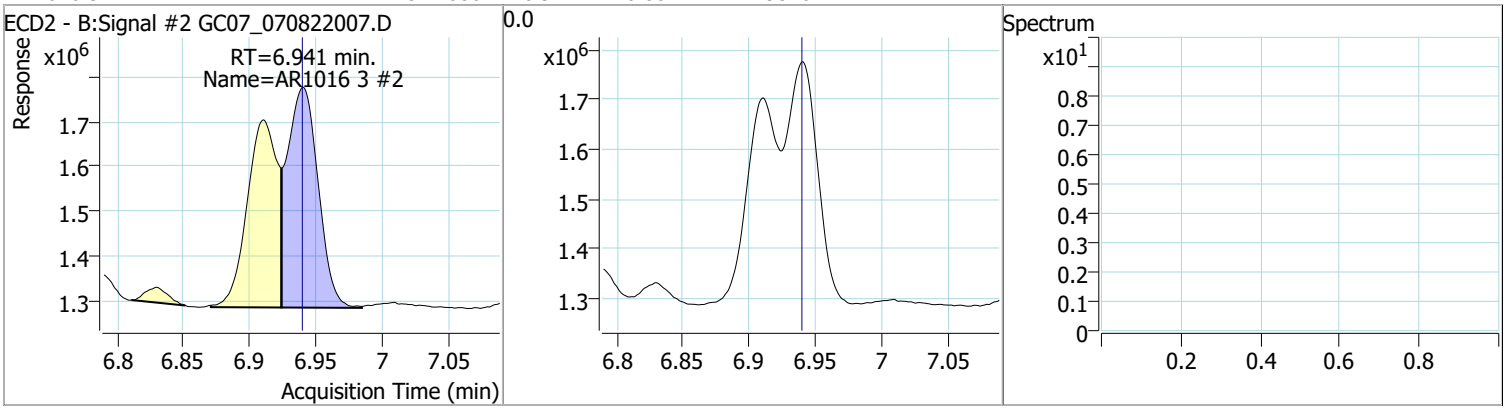
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	286.2110	6.45	0.00	2073974				



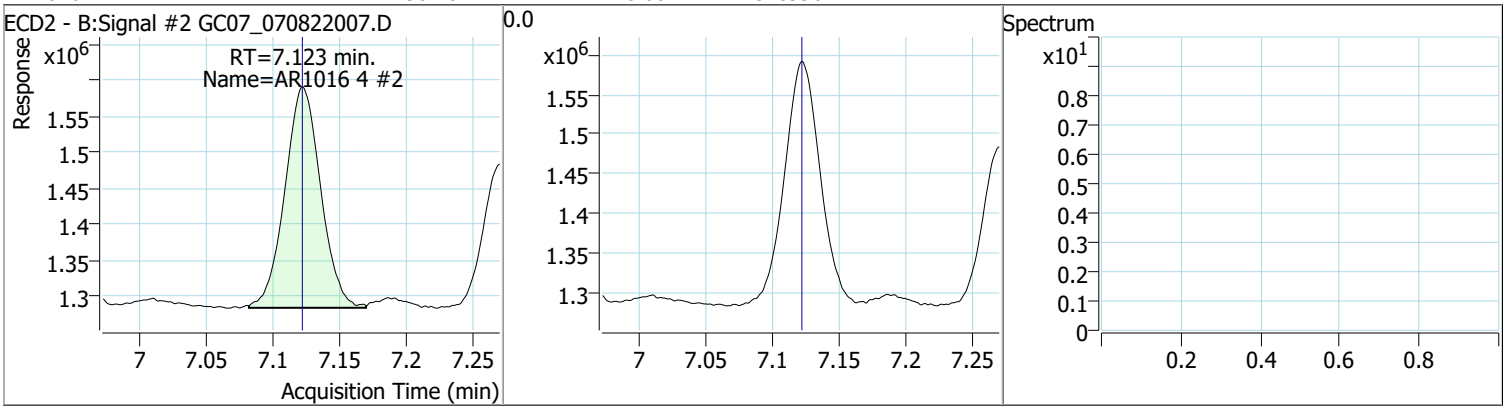
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	298.6585	6.93	0.00	1802681				



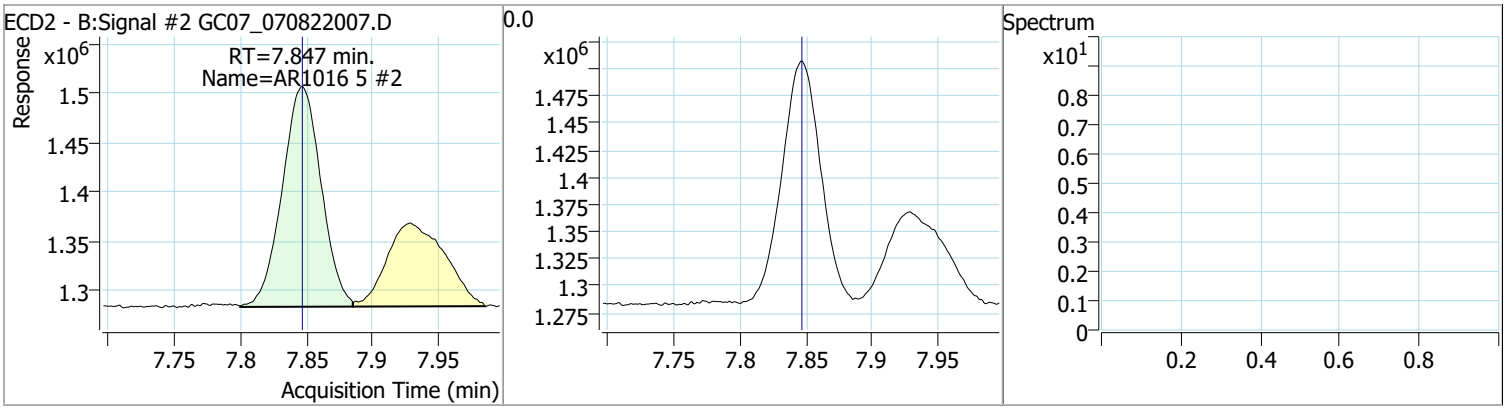
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	282.4086	6.94	0.00	795104				



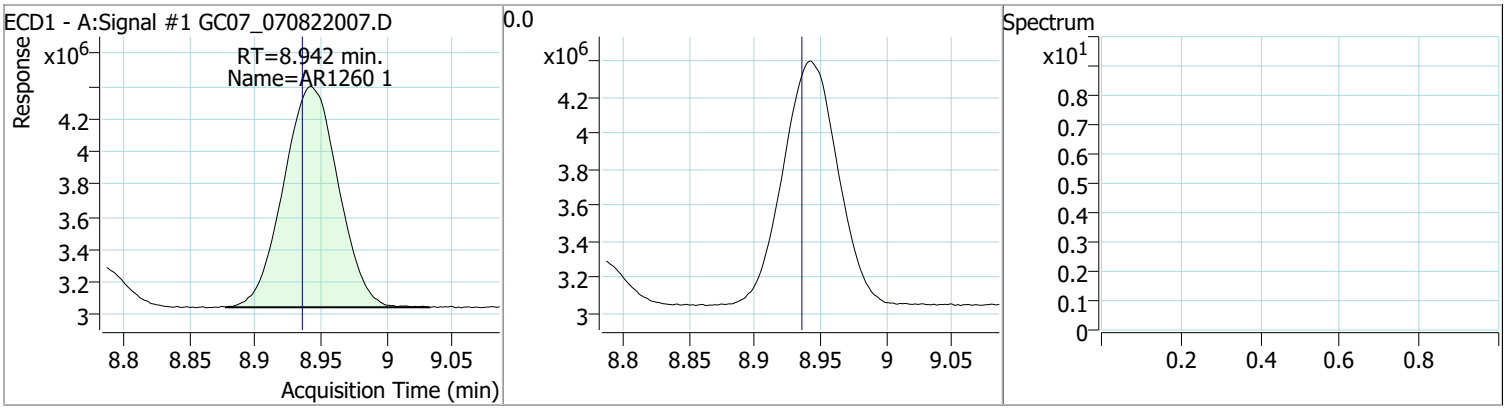
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	295.2841	7.12	0.00	576996				



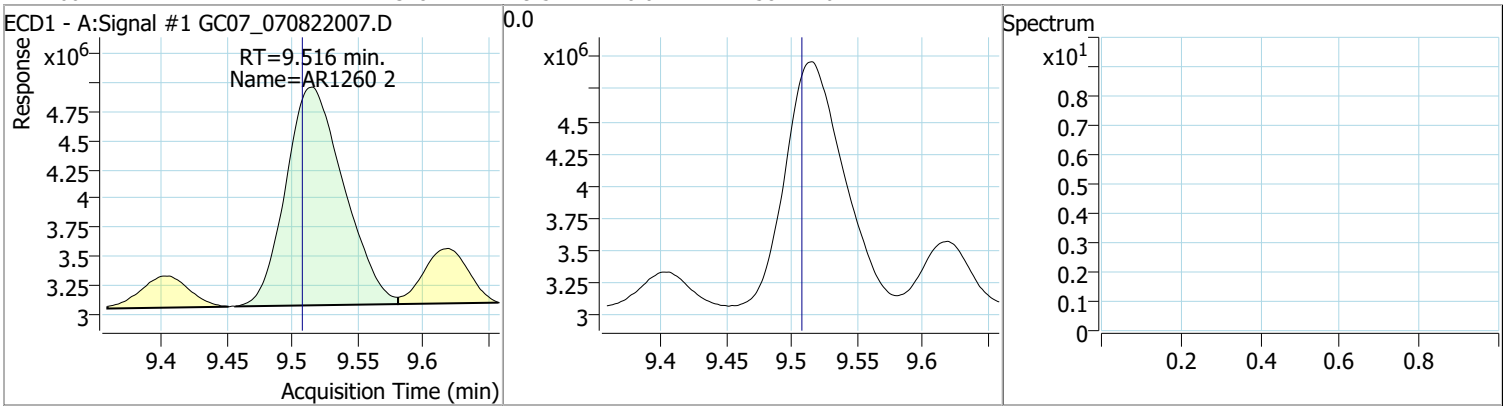
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	280.6246	7.85	0.00	458061				



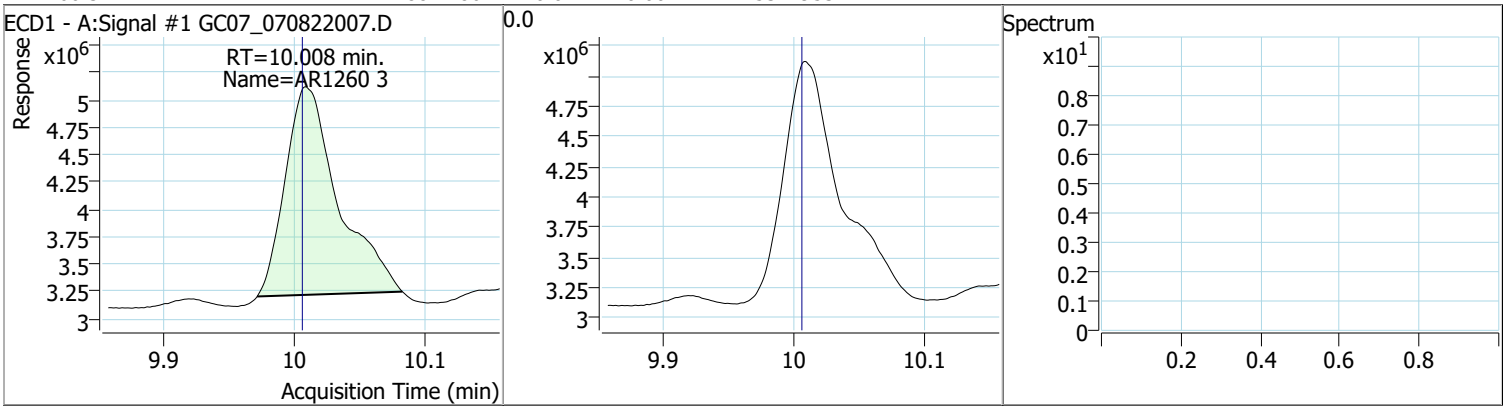
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	308.6752	8.94	0.00	3934494				



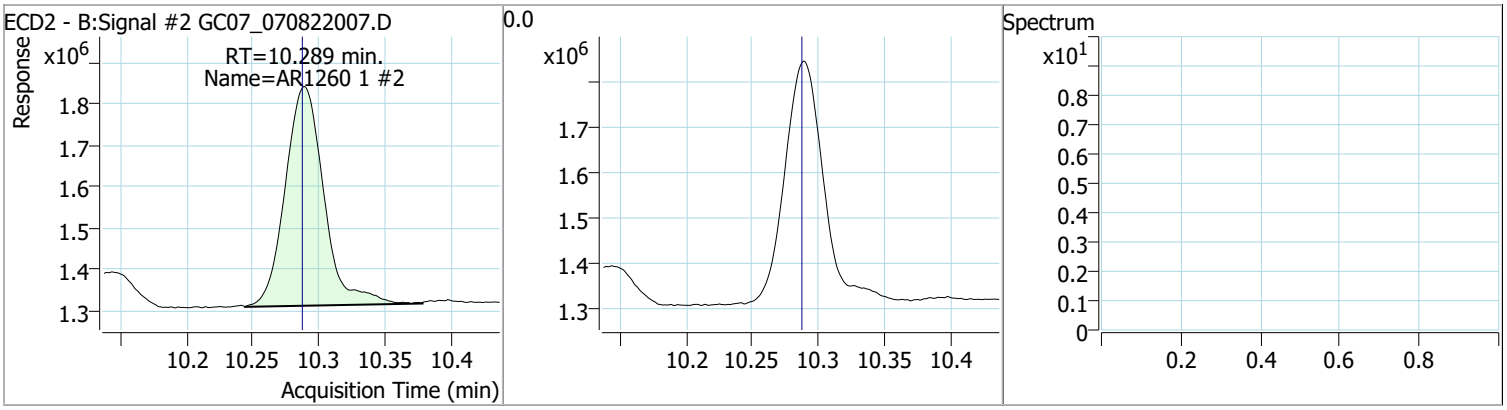
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	318.4711	9.52	0.01	5827246				



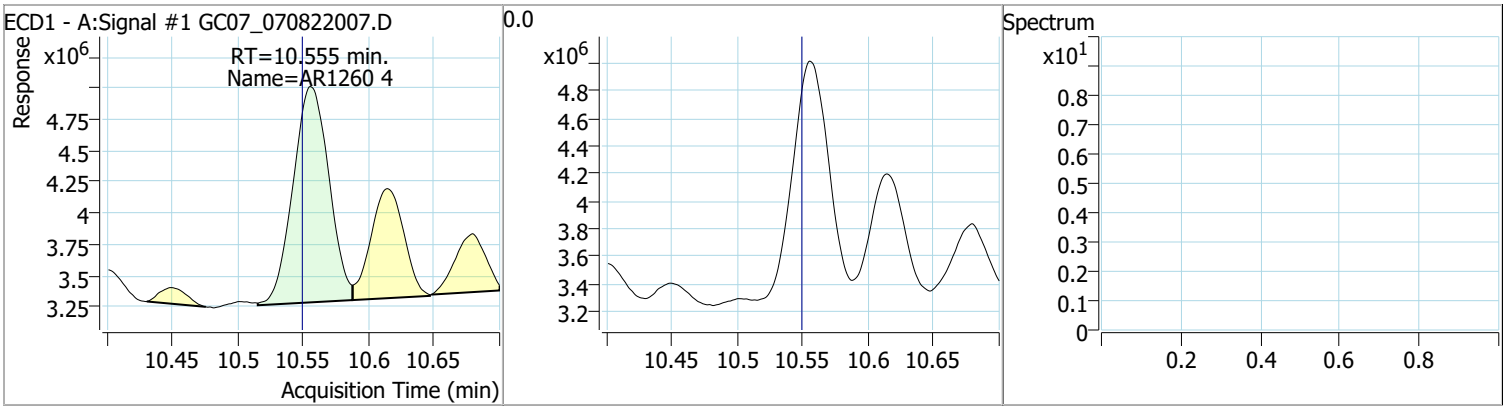
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	288.1486	10.01	0.00	5342953				



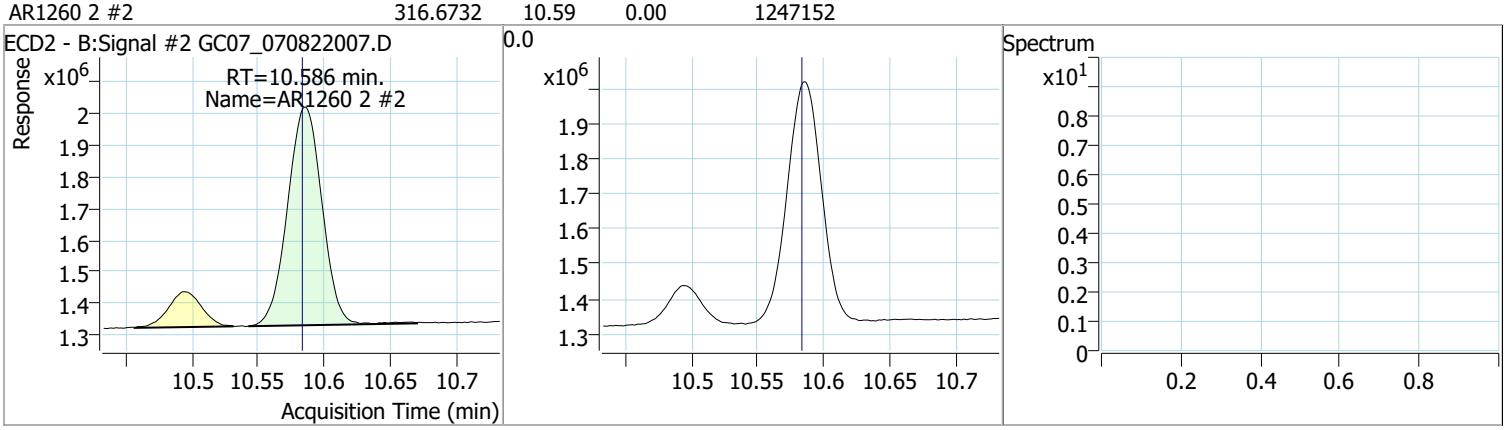
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	304.1306	10.29	0.00	1078080				



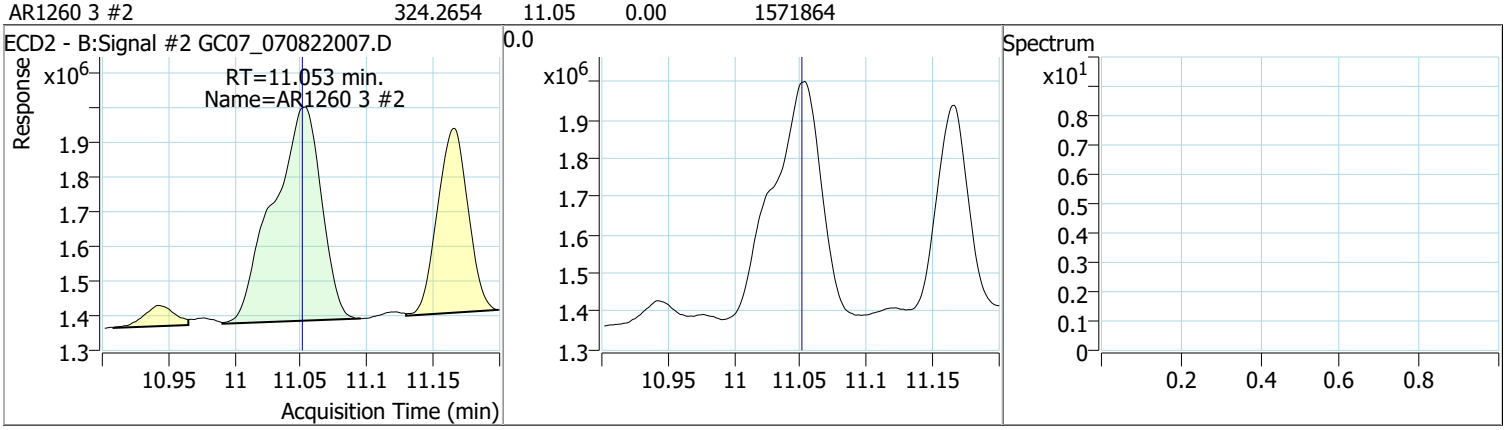
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	349.7012	10.56	0.00	3314819				



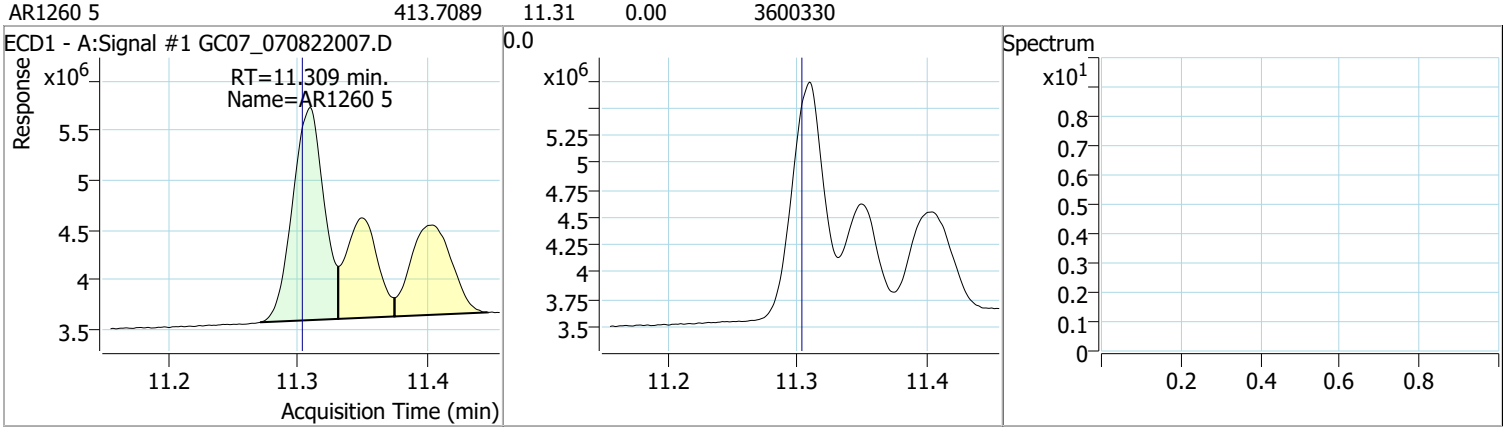
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	316.6732	10.59	0.00	1247152				



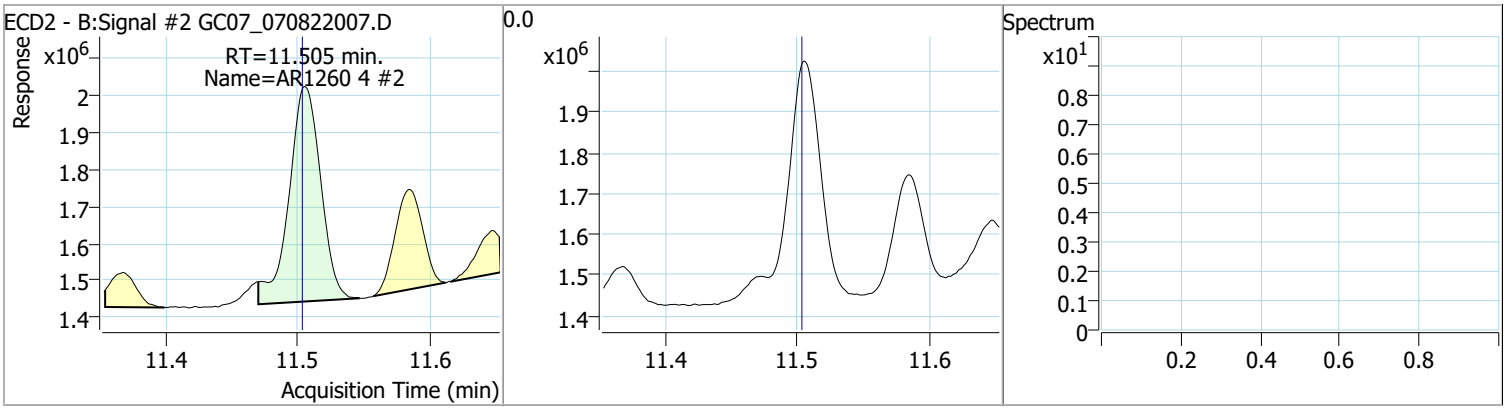
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	324.2654	11.05	0.00	1571864				



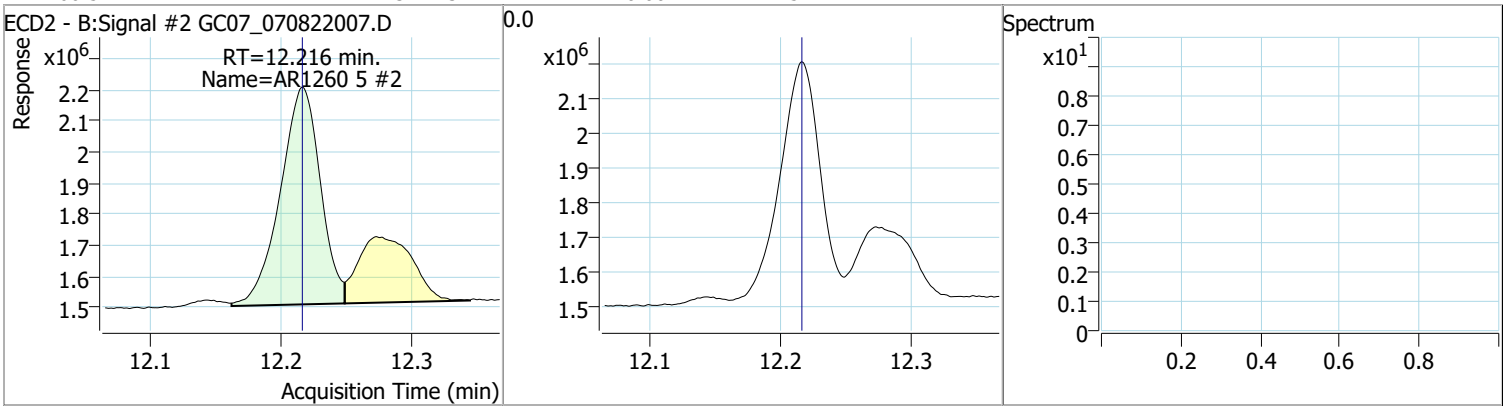
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	413.7089	11.31	0.00	3600330				



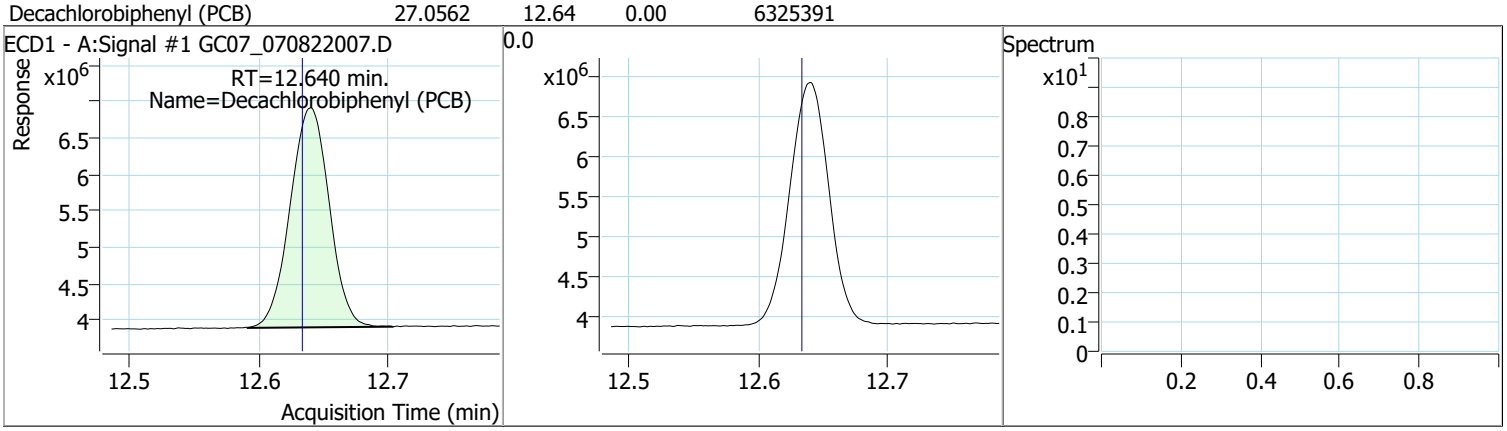
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	358.5081	11.51	0.00	975042				



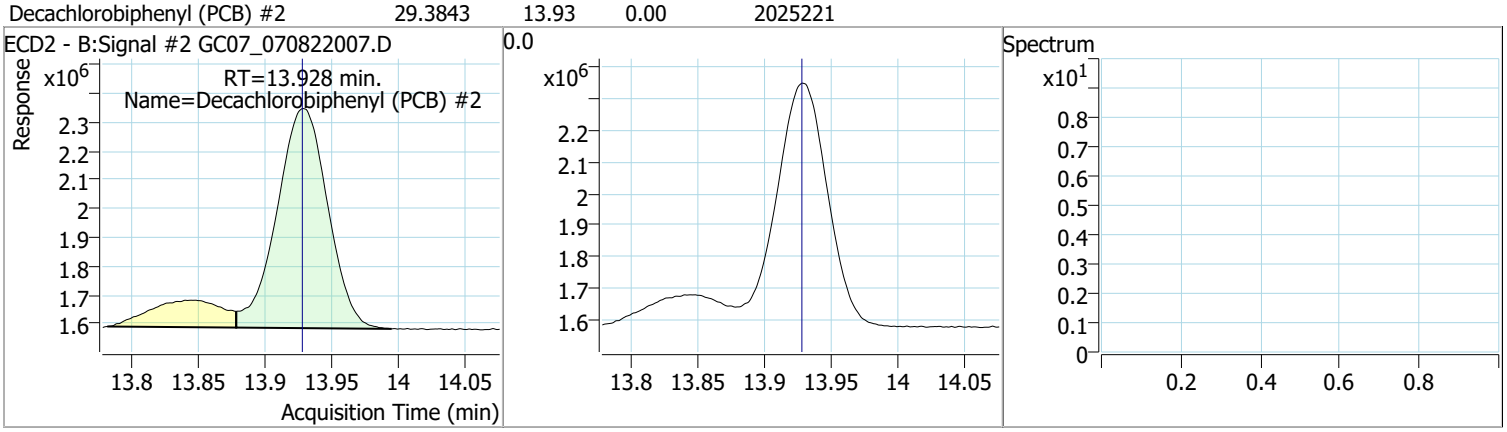
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	377.4311	12.22	0.00	1475124				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	27.0562	12.64	0.00	6325391				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	29.3843	13.93	0.00	2025221				



ENTHALPY SPIKE USER REPORT FOR 465031 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC07	Inst:	SVOA-GC07
Seqnum:	462271307032.2	Seqnum:	462271307033.2
File:	gc07_070722032	File:	gc07_070722033
IDF:	1.0	IDF:	1.0
Lab ID:	QC998415	Lab ID:	QC998416
Matrix:	Wipe	Matrix:	Wipe
Batch:	292307	Batch:	292307
Time:	07-JUL-2022 20:31	Time:	07-JUL-2022 20:49
Cal:	462252739001	Cal:	462252739001
Units:	ug/dm2		

- BS: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Aroclor-1016	5.000	288.8	2.888	A	**58***	266.0	2.660	A	**53***	60-140	8	20	
Aroclor-1016 Peak # 1		313.3	3.133	A		291.2	2.912	A					
Aroclor-1016 Peak # 2		273.5	2.735	A		256.5	2.565	A					
Aroclor-1016 Peak # 3		288.4	2.884	A		257.3	2.573	A					
Aroclor-1016 Peak # 4		281.2	2.812	A		258.7	2.587	A					
Aroclor-1016 Peak # 5		287.7	2.877	A		266.2	2.662	A					
Aroclor-1260	5.000	314.6	3.146	A	63	292.2	2.922	A	**58***	60-140	7	20	
Aroclor-1260 Peak # 1		281.2	2.812	A		265.5	2.655	A					
Aroclor-1260 Peak # 2		296.8	2.968	A		272.9	2.729	A					
Aroclor-1260 Peak # 3		272.3	2.723	A		247.1	2.471	A					
Aroclor-1260 Peak # 4		325.7	3.257	A		301.6	3.016	A					
Aroclor-1260 Peak # 5		397.0	3.970	A		373.8	3.738	A					
Surrogates													
TCMX (PCB)	0.5000	26.70	0.2670	A	53	24.87	0.2487	A	**50***	52-186			
Decachlorobiphenyl (PCB)	0.5000	26.33	0.2633	A	**53***	23.99	0.2399	A	**48***	60-140			

ISTD (CCV gc07_070722011)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1232125	1141901	-7.32
1-bromo-2-nitrobenzene (PCB)	A	4377739	4104679	-6.24

ISTD (CCV gc07_070722011)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.30	4.30	0.00

ISTD (CCV gc07_070722011)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1232125	1270453	3.11
1-bromo-2-nitrobenzene (PCB)	A	4377739	4399808	0.50

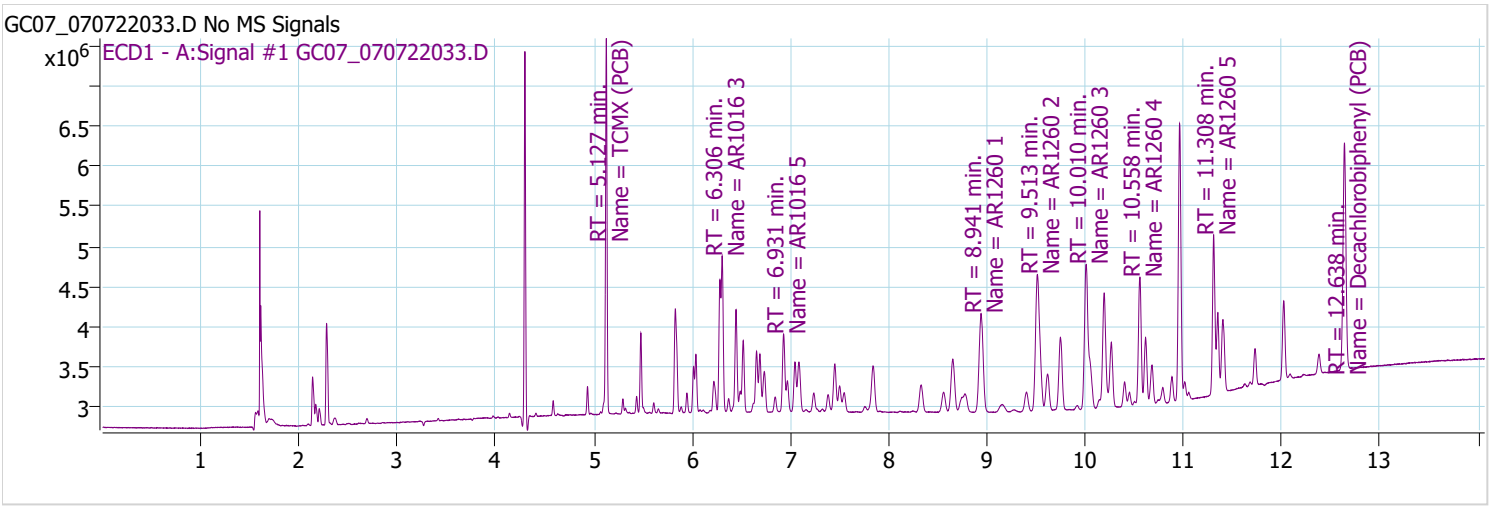
ISTD (CCV gc07_070722011)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.30	4.30	0.00

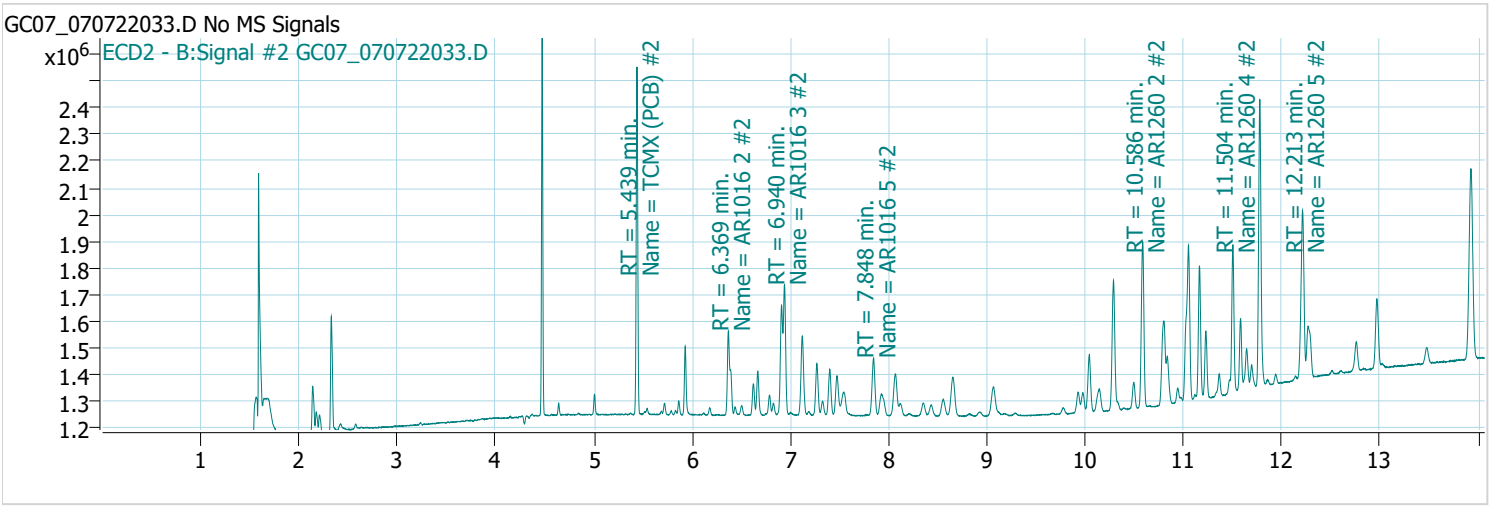
Analyst: TRN 07/09/22 *

Reviewer:

Quantitation Results Report (Not Reviewed)

Data File	GC07_070722033.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/7/2022 8:49:33 PM
Sample Name	QC998416, 292307, 1	Instrument	SVOA-GC07
Vial	17	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_6.m	Comment	SOIL/10G-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	070722PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



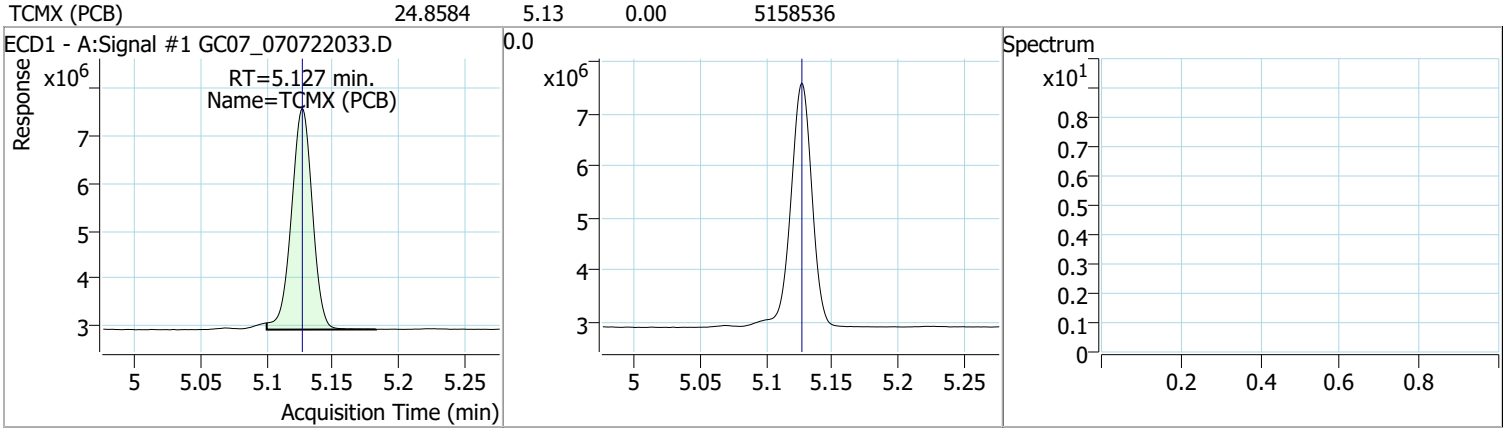


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.299	0.0	4399808.413	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.474	0.0	1270452.706	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.127	0.0	5158535.936	24.8584	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 124.29%		
S TCMX (PCB) #2	5.439	0.0	1437027.080	24.9239	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 124.62%		
S Decachlorobiphenyl (PCB)	12.638	0.0	5892436.372	23.9746	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 119.87%		
S Decachlorobiphenyl (PCB) #2	13.927	0.0	1863634.991	23.8224	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 119.11%		
Target Compounds						QValue

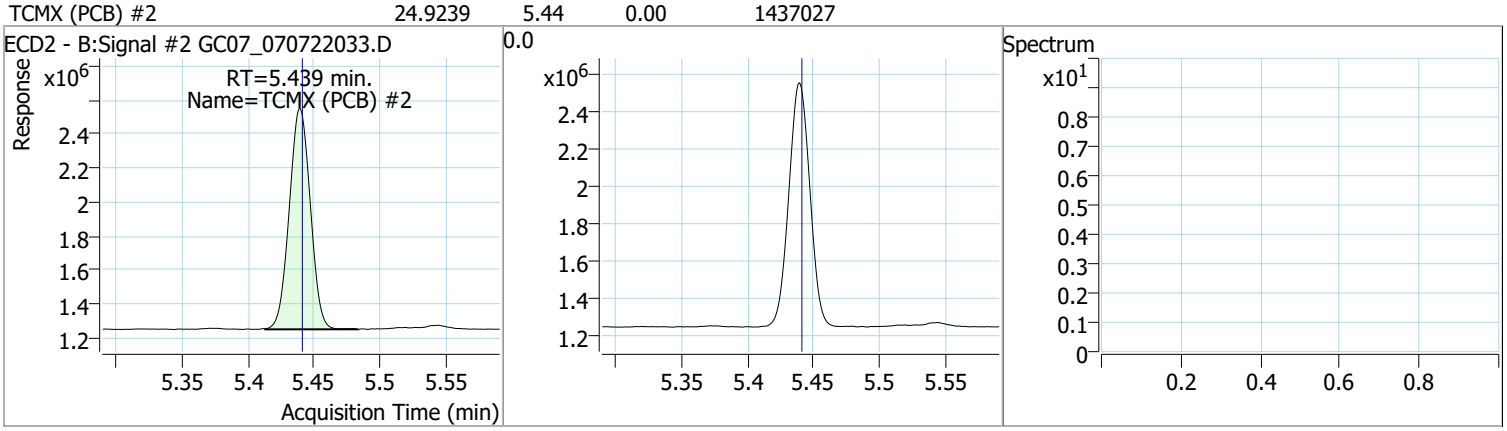
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.478	0.0	1228490.457	291.0415	ng/ml	100
T AR1016 2	5.829	0.0	2345774.693	256.4162	ng/ml	100
T AR1016 1 #2	5.930	0.0	326707.946	255.3584	ng/ml	100
T AR1016 3	6.306	0.0	2724731.304	257.2050	ng/ml	100
T AR1016 2 #2	6.369	0.0	647930.000	232.5699	ng/ml	100
T AR1016 4	6.448	0.0	1969582.936	258.5437	ng/ml	100
T AR1016 5	6.931	0.0	1688562.784	266.1030	ng/ml	100
T AR1016 3 #2	6.940	0.0	798591.342	249.8962	ng/ml	100
T AR1016 4 #2	7.122	0.0	559762.787	252.3785	ng/ml	100
T AR1016 5 #2	7.848	0.0	440198.491	237.5924	ng/ml	100
T AR1260 1	8.941	0.0	3556229.107	265.3867	ng/ml	100
T AR1260 2	9.513	0.0	5247068.693	272.7722	ng/ml	100
T AR1260 3	10.010	0.0	4814683.249	246.9901	ng/ml	100
T AR1260 1 #2	10.289	0.0	983271.762	244.3790	ng/ml	100
T AR1260 4	10.558	0.0	3003847.660	301.4337	ng/ml	100
T AR1260 2 #2	10.586	0.0	1139124.709	254.8265	ng/ml	100
T AR1260 3 #2	11.052	0.0	1413440.687	256.8884	ng/ml	100
T AR1260 5	11.308	0.0	3418210.109	373.6181	ng/ml	100
T AR1260 4 #2	11.504	0.0	889195.753	288.0411	ng/ml	100
T AR1260 5 #2	12.213	0.0	1349987.536	304.3128	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

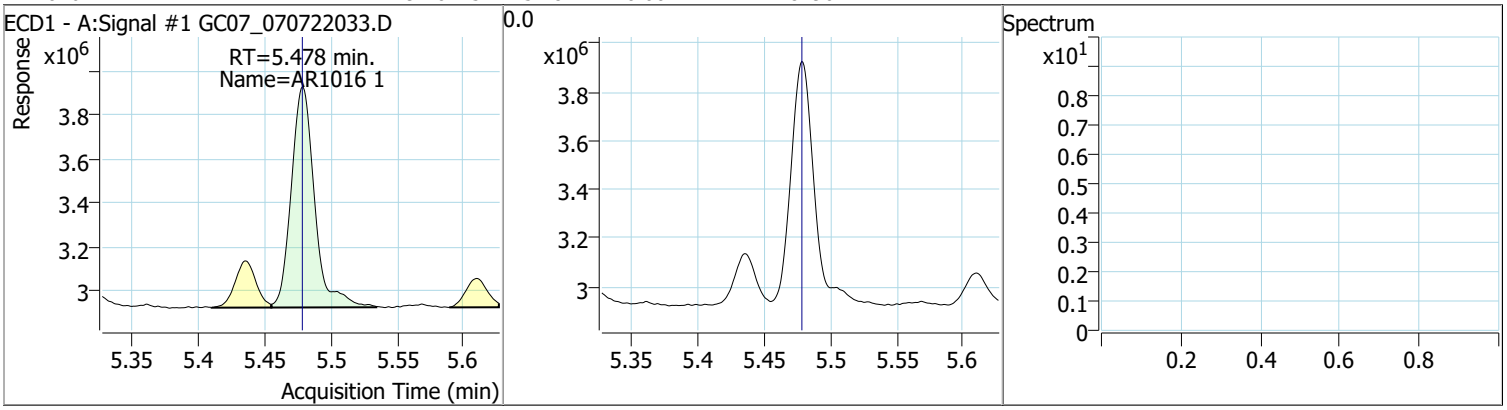
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	24.8584	5.13	0.00	5158536				



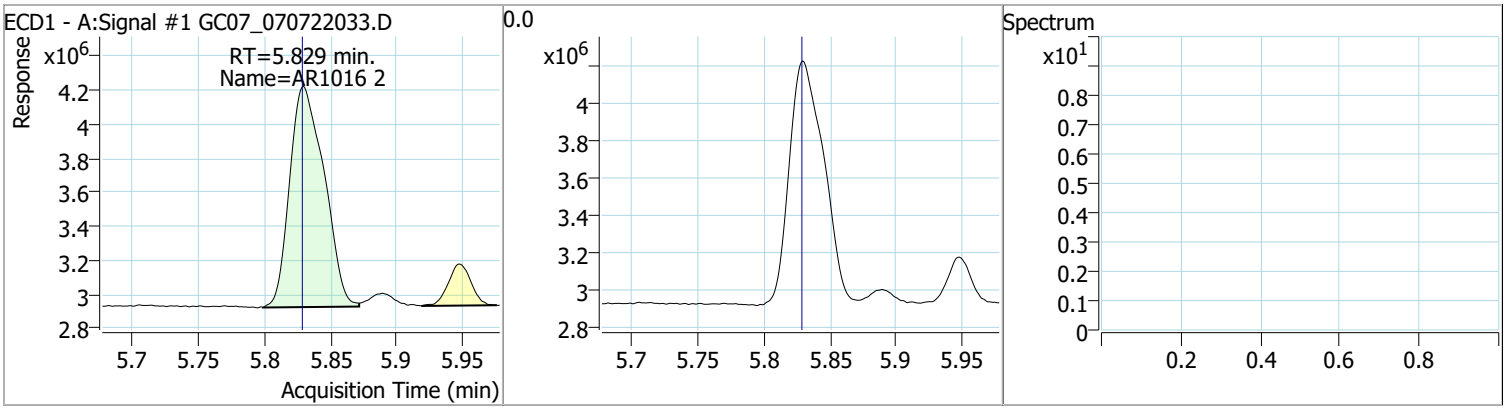
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	24.9239	5.44	0.00	1437027				



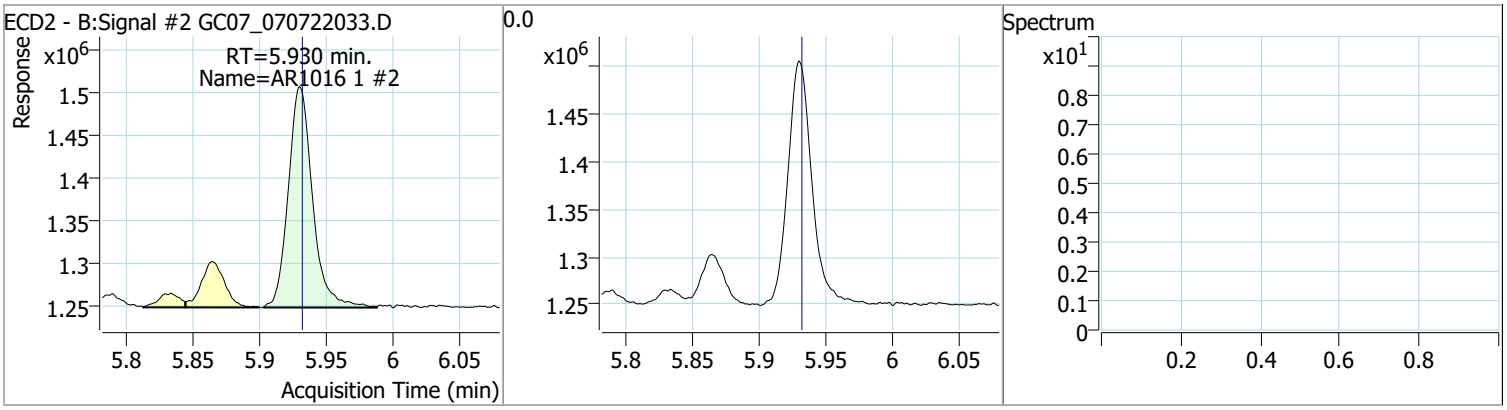
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	291.0415	5.48	0.00	1228490				



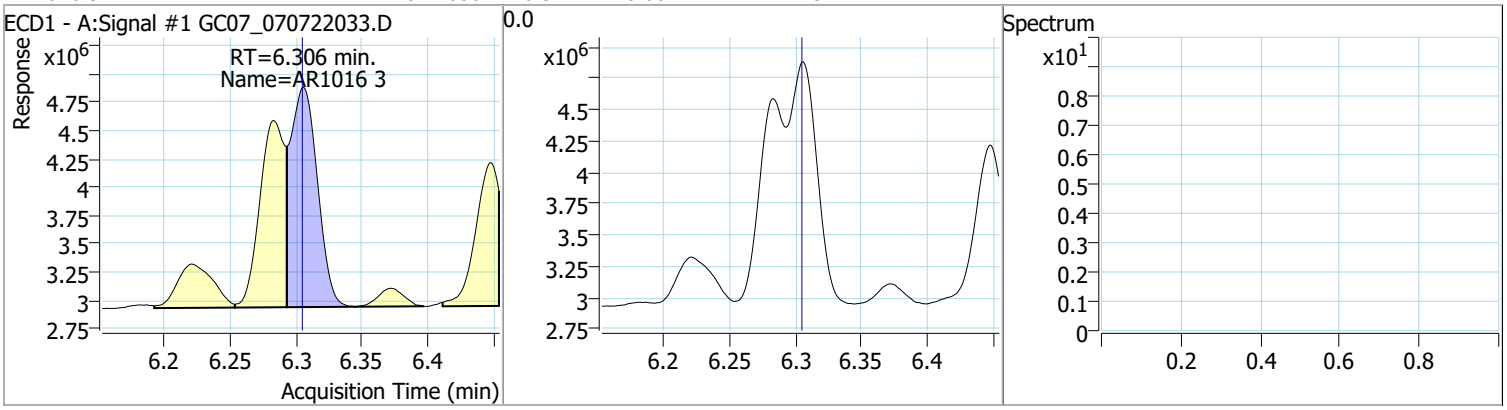
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	256.4162	5.83	0.00	2345775				



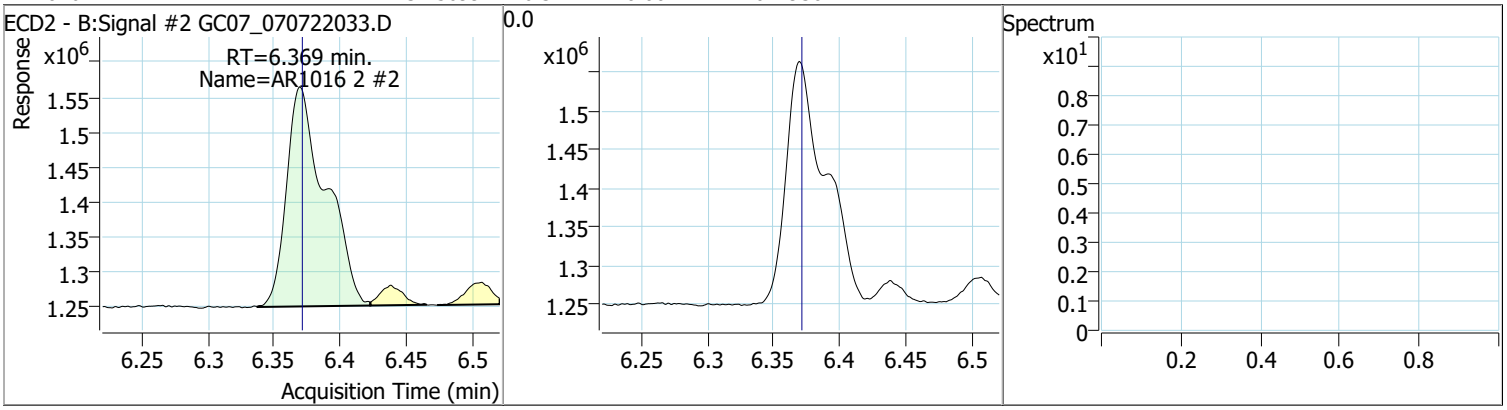
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	255.3584	5.93	0.00	326708				



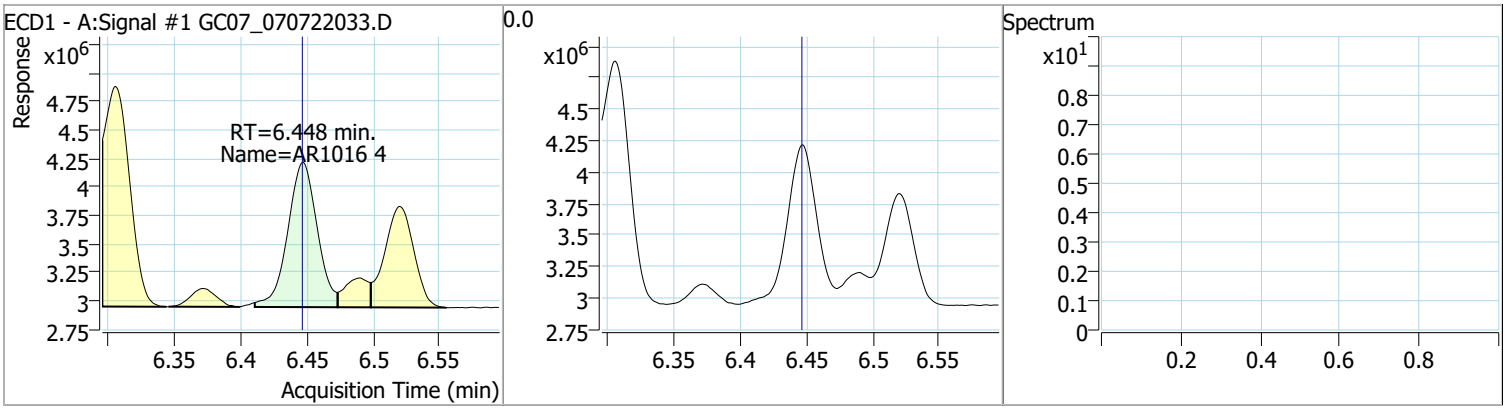
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	257.2050	6.31	0.00	2724731				



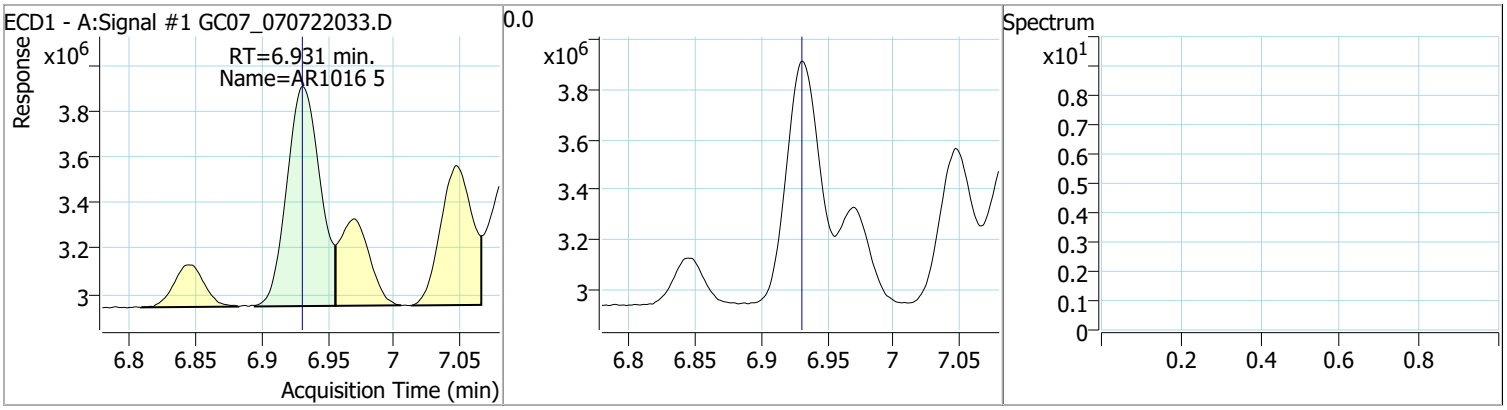
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	232.5699	6.37	0.00	647930				



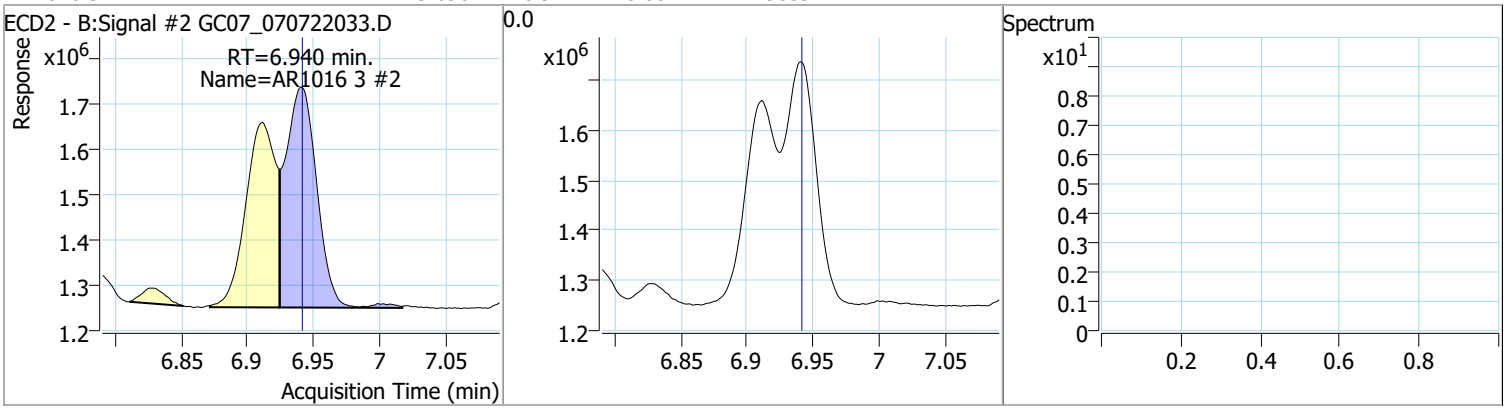
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	258.5437	6.45	0.00	1969583				



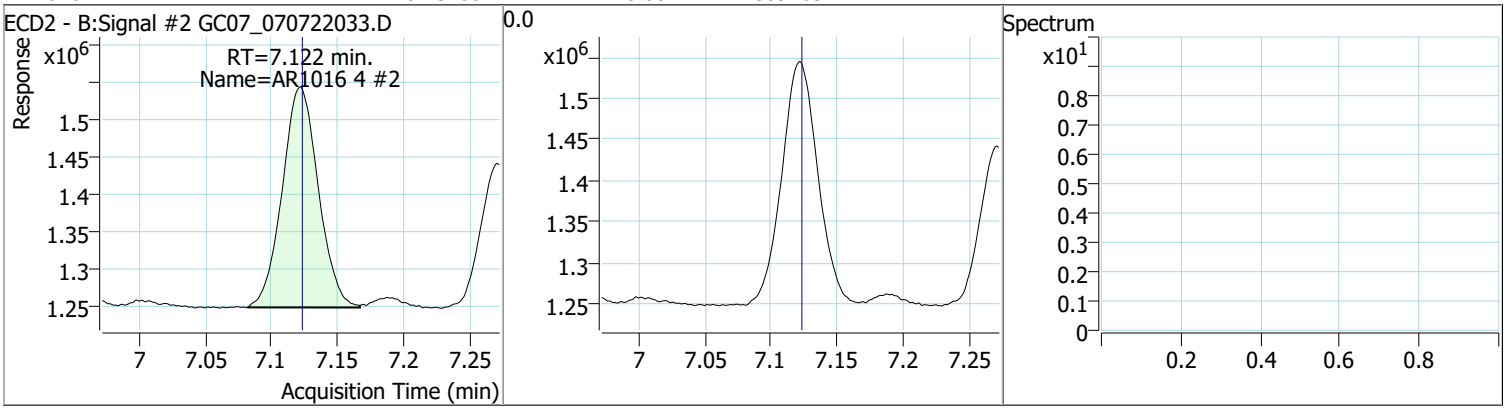
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	266.1030	6.93	0.00	1688563				



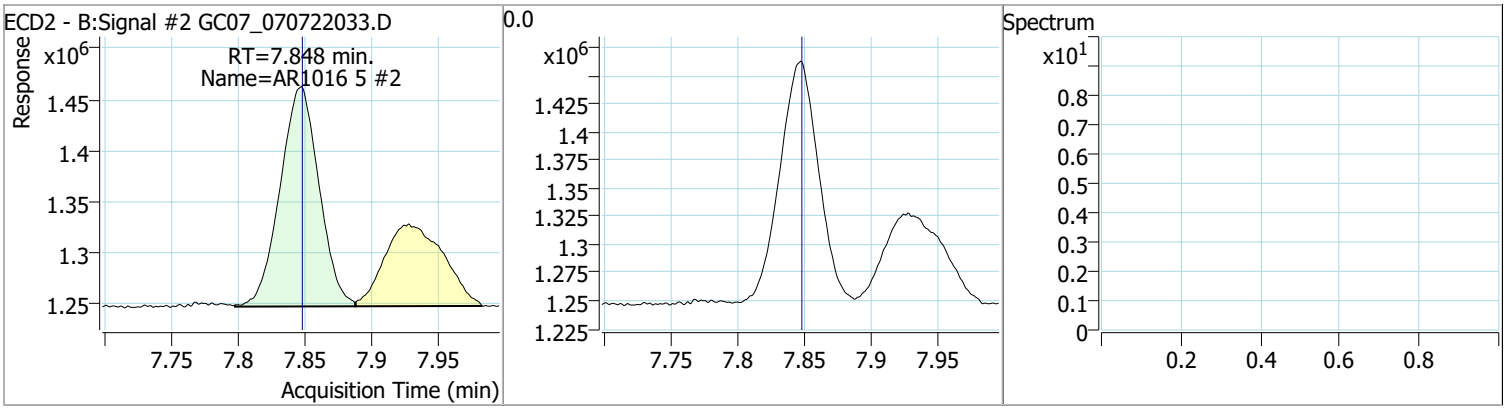
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	249.8962	6.94	0.00	798591				



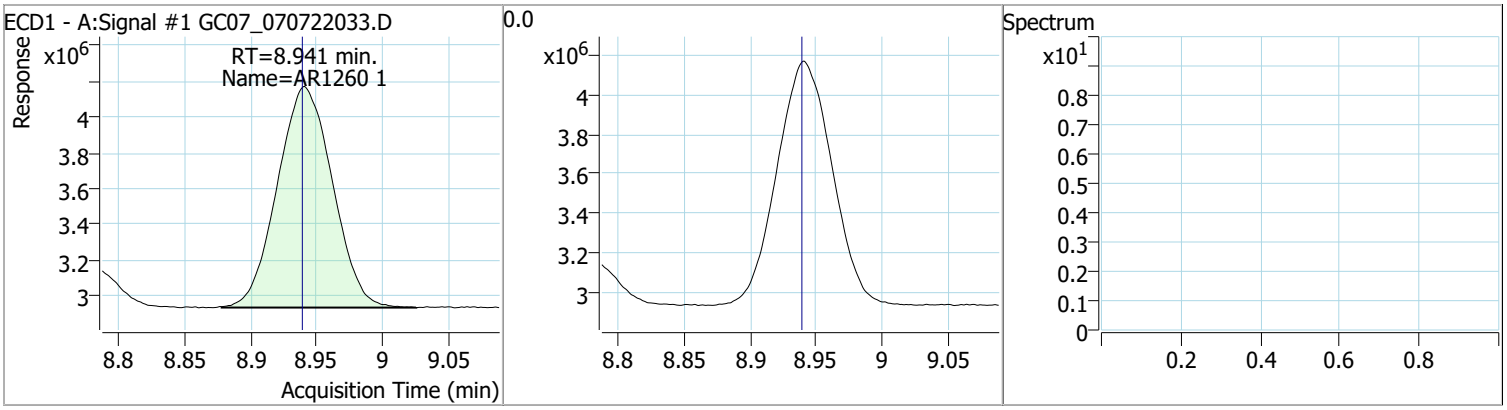
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	252.3785	7.12	0.00	559763				



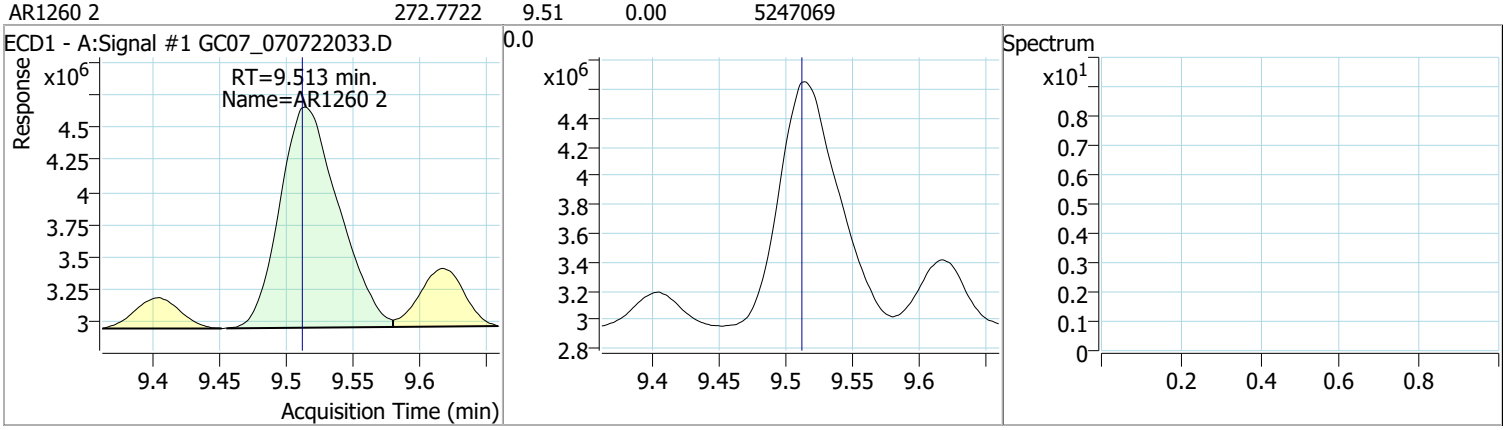
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	237.5924	7.85	0.00	440198				



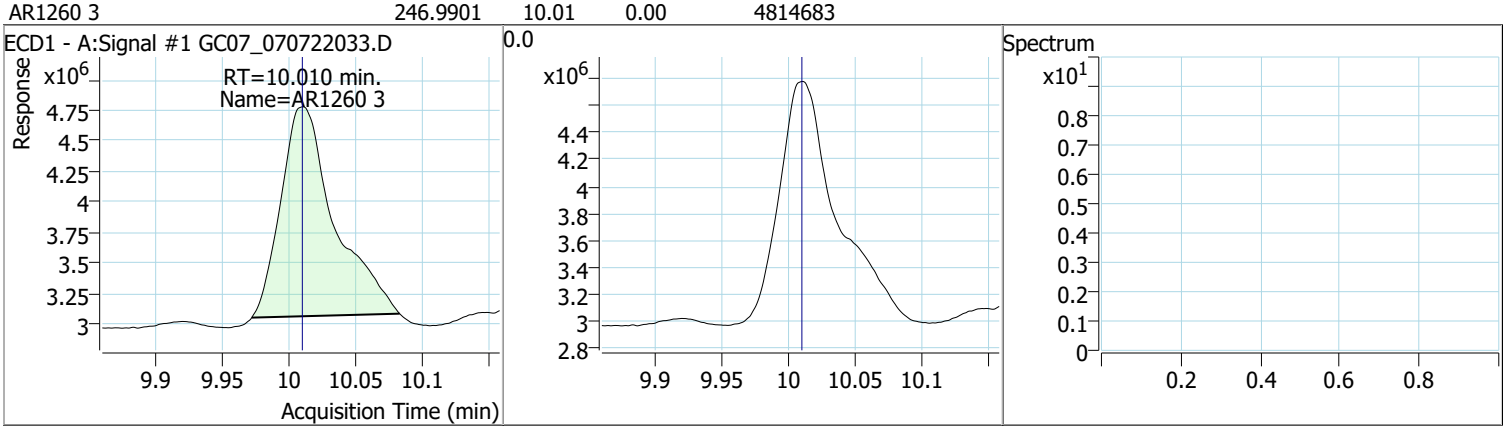
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	265.3867	8.94	0.00	3556229				



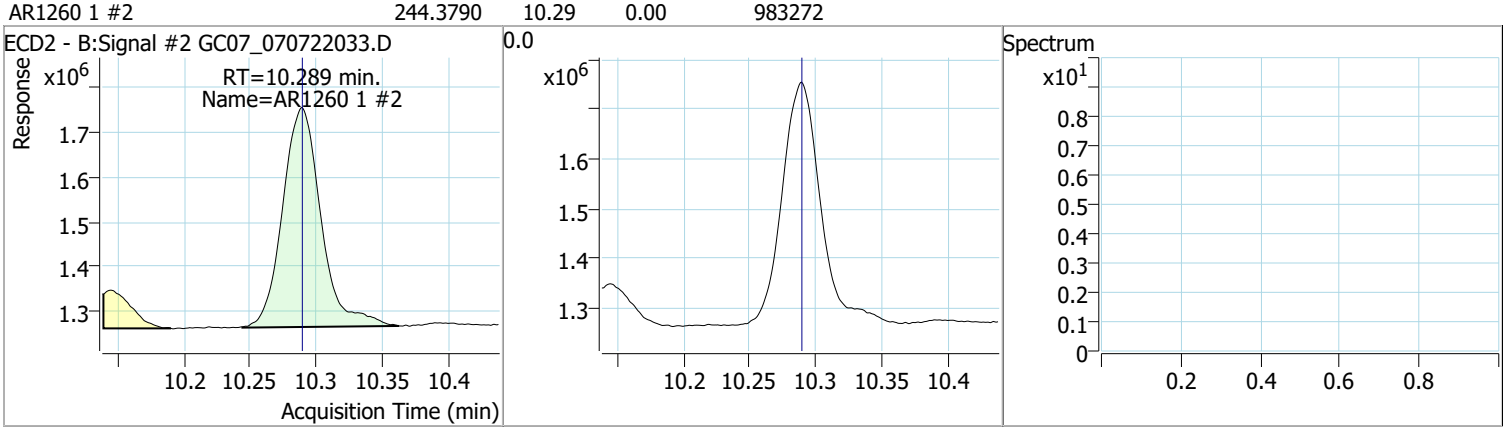
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	272.7722	9.51	0.00	5247069				



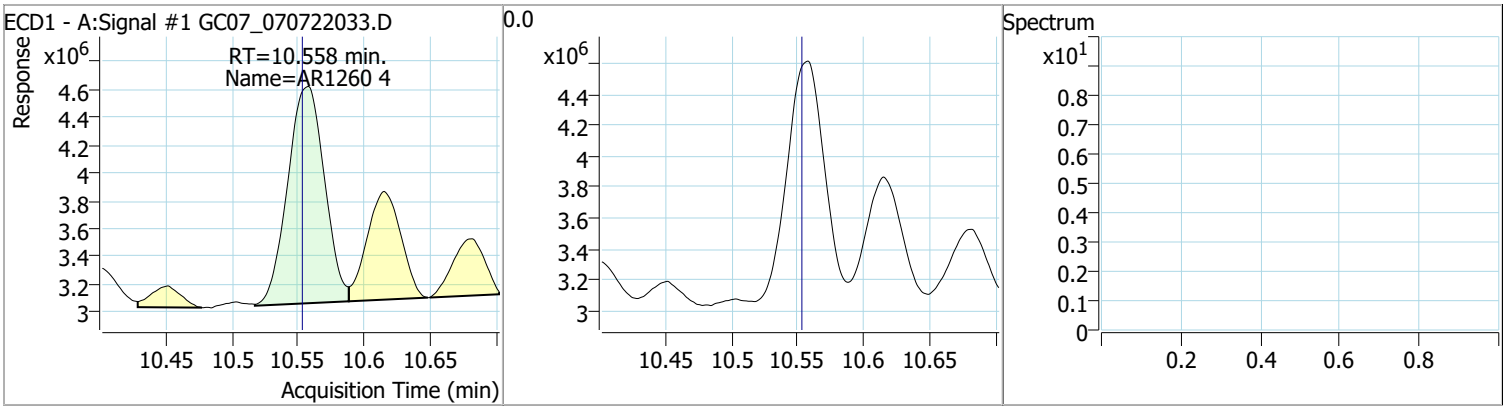
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	246.9901	10.01	0.00	4814683				



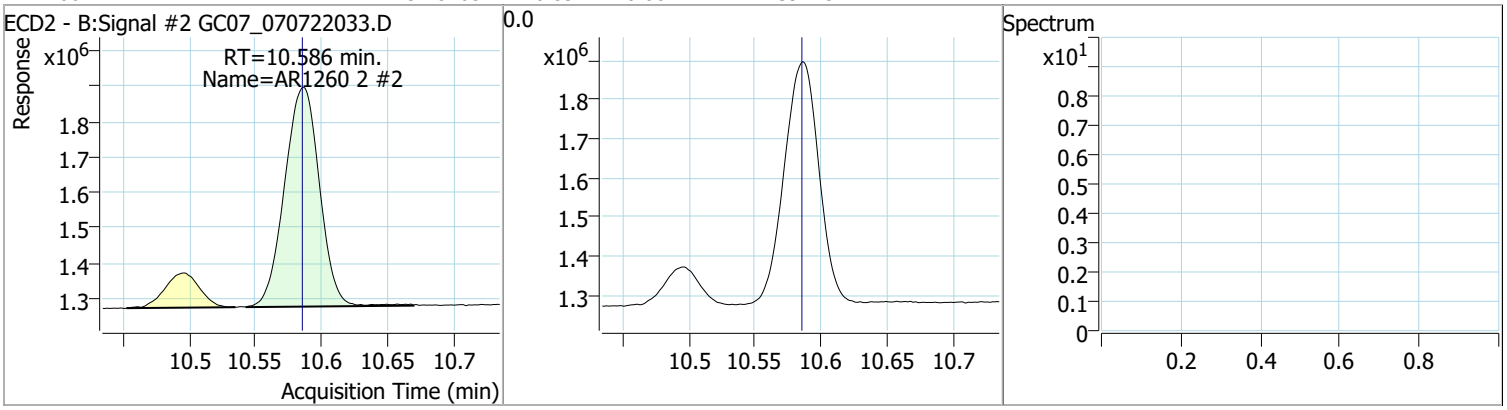
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	244.3790	10.29	0.00	983272				



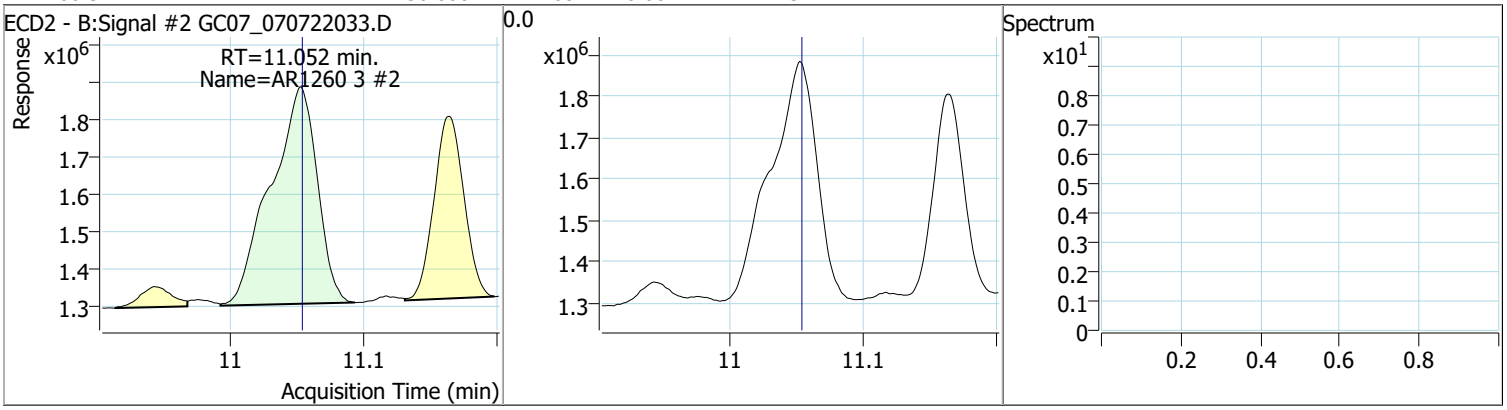
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	301.4337	10.56	0.01	3003848				



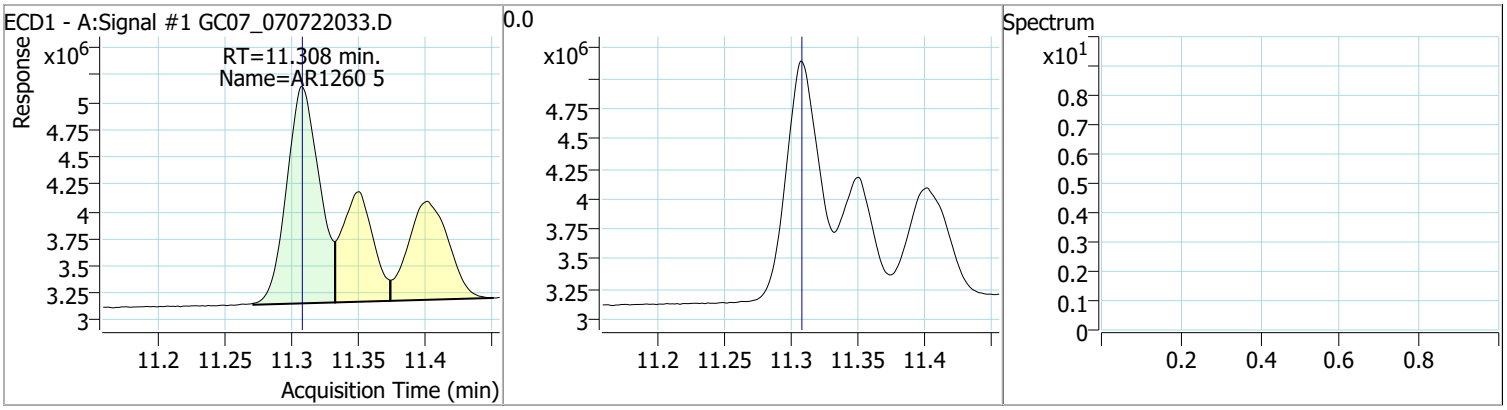
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	254.8265	10.59	0.00	1139125				



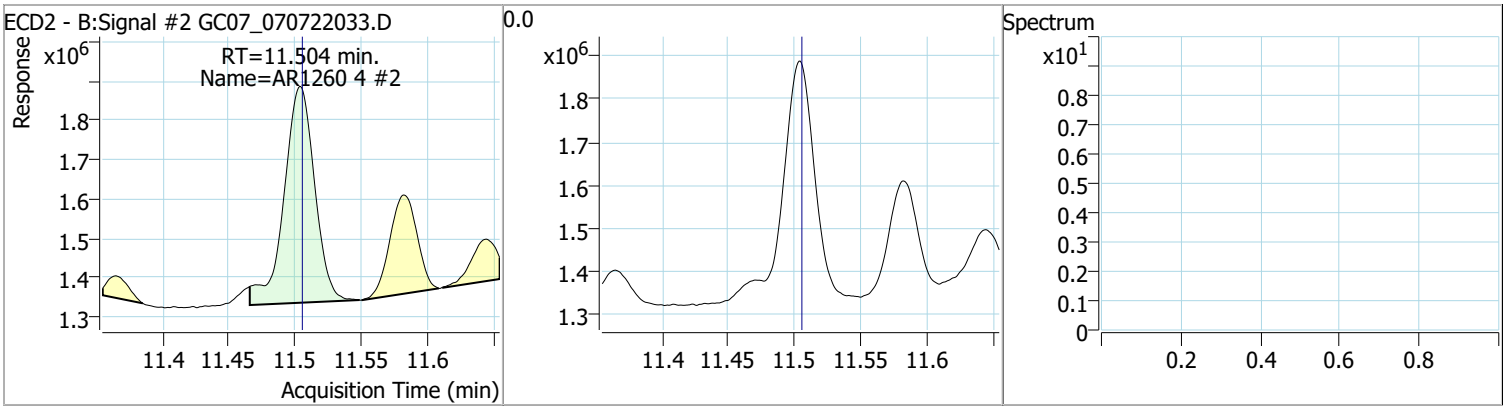
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	256.8884	11.05	0.00	1413441				



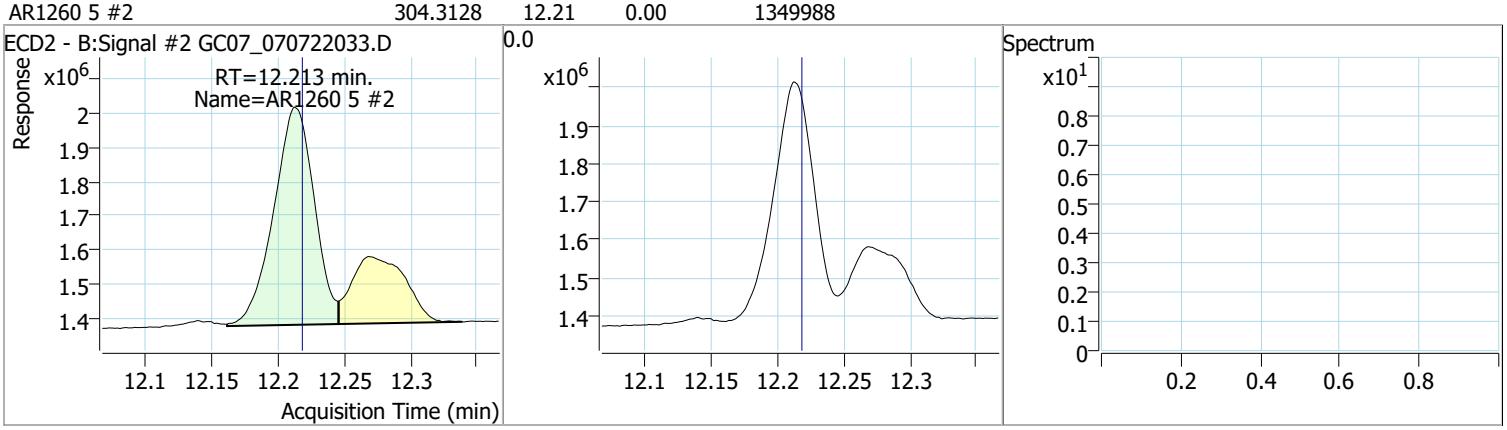
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	373.6181	11.31	0.00	3418210				



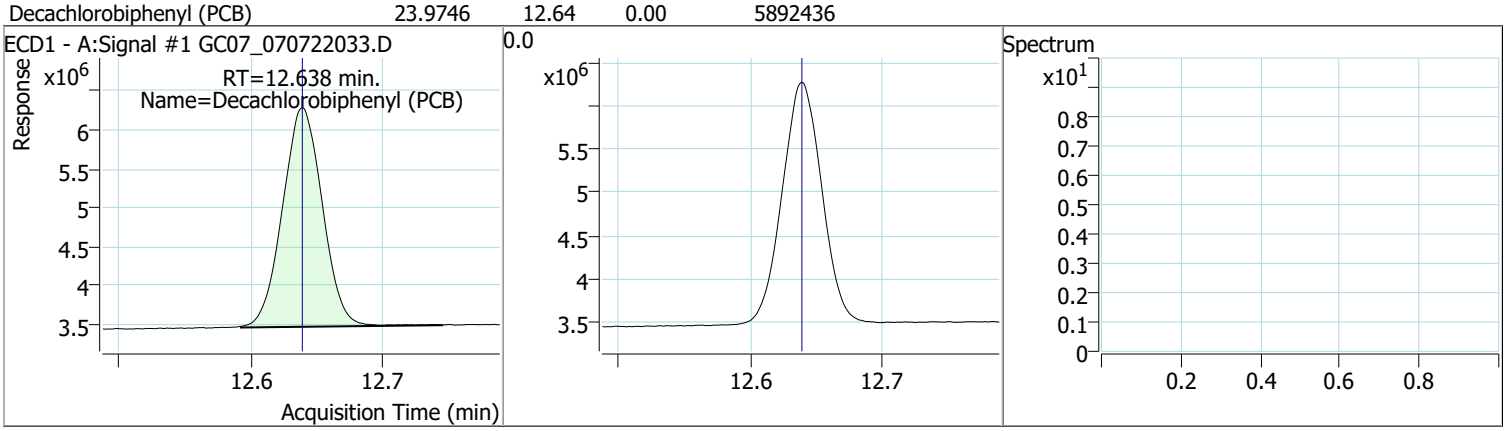
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	288.0411	11.50	0.00	889196				



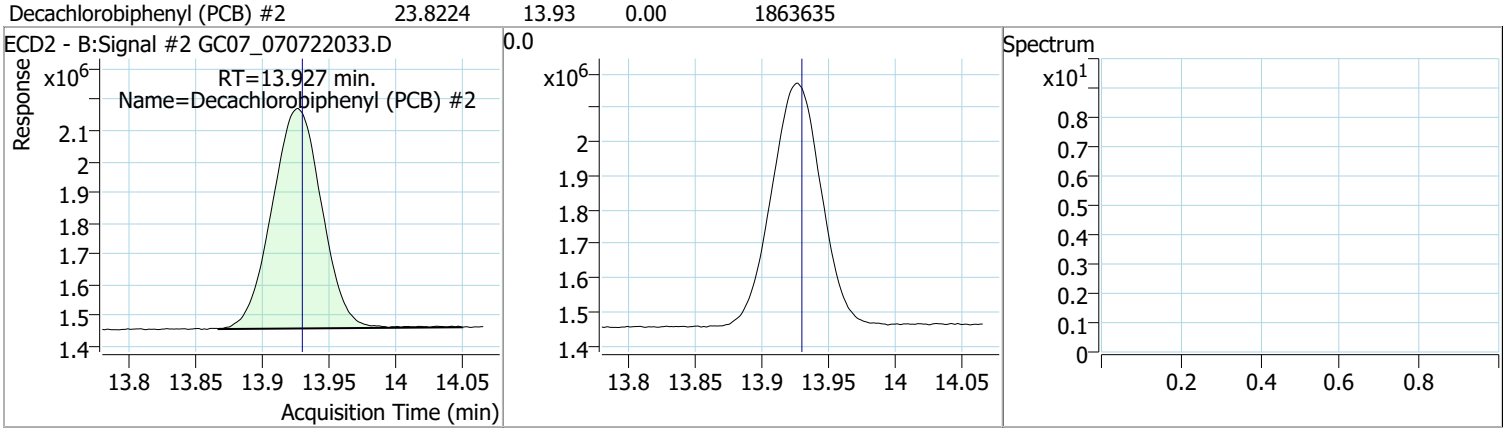
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	304.3128	12.21	0.00	1349988				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	23.9746	12.64	0.00	5892436				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	23.8224	13.93	0.00	1863635				



Initial Calibration Raw Data

ENTHALPY INITIAL CALIBRATION FOR 465031 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_062422_1
Calibration #:	462252739001	Date:	25-JUN-2022 00:39
		X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc07_062422022	462252739022		25-JUN-2022 00:39	S16671 (100X), S16725 (250X)
L2	gc07_062422023	462252739023		25-JUN-2022 00:57	S16671 (40X), S16725 (250X)
L3	gc07_062422024	462252739024		25-JUN-2022 01:14	S16671 (20X), S16725 (250X)
L4	gc07_062422025	462252739025		25-JUN-2022 01:32	S16671 (8X), S16725 (250X)
L5	gc07_062422026	462252739026		25-JUN-2022 01:49	S16671 (4X), S16725 (250X)
L6	gc07_062422027	462252739027		25-JUN-2022 02:07	S16671 (2.66X), S16725 (250X)
L7	gc07_062422028	462252739028		25-JUN-2022 02:24	S16671 (2X), S16725 (250X)
L8	gc07_062422029	462252739029		25-JUN-2022 02:42	S16671 (1.33X), S16725 (250X)
L9	gc07_062422030	462252739030		25-JUN-2022 02:59	S16671, S16725 (250X)

Analyte	Ch	Type	a0	a1	a2	Units	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		52.1446		ug/L	0.0192	12	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		24.0592		ug/L	0.0416	14	9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		20.7771		ug/L	0.0481	12	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		28.8928		ug/L	0.0346	11	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		34.6865		ug/L	0.0288	11	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		16.4257		ug/L	0.0609	12	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		11.4424		ug/L	0.0874	10	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		11.2915		ug/L	0.0886	7	9	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		22.0875		ug/L	0.0453	10	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		24.0599		ug/L	0.0416	7	9	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.89555		pg/uL	1.1166	9	9	.99	20	
TCMX (PCB)	A	AVRG		1.06067		pg/uL	0.9428	8	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		49.6768		ug/L	0.0201	7	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		22.8132		ug/L	0.0438	9	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		19.8883		ug/L	0.0503	9	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		28.6560		ug/L	0.0349	6	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		34.3044		ug/L	0.0292	7	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		15.7963		ug/L	0.0633	8	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		14.2181		ug/L	0.0703	6	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		11.5518		ug/L	0.0866	3	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		20.5890		ug/L	0.0486	5	9	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		14.3273		ug/L	0.0698	4	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.81243		pg/uL	1.2309	10	9	.99	20	
TCMX (PCB)	B	AVRG		1.10236		pg/uL	0.9071	4	9	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

ENTHALPY INITIAL CALIBRATION FOR 465031 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_062422_1
Calibration #:	462252739001	Date:	25-JUN-2022 00:39
		X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0234	0.0215	0.0200	0.0192	0.0192	0.0180	0.0176	0.0174	0.0163
Aroclor-1016 Peak # 2	A	0.0506	0.0484	0.0464	0.0430	0.0395	0.0384	0.0372	0.0366	0.0339
Aroclor-1016 Peak # 3	A	0.0594	0.0542	0.0518	0.0468	0.0454	0.0453	0.0443	0.0447	0.0413
Aroclor-1016 Peak # 4	A	0.0413	0.0385	0.0369	0.0348	0.0332	0.0331	0.0323	0.0317	0.0297
Aroclor-1016 Peak # 5	A	0.0337	0.0322	0.0318	0.0293	0.0277	0.0275	0.0267	0.0261	0.0245
Aroclor-1260 Peak # 1	A	0.0727	0.0690	0.0664	0.0613	0.0580	0.0617	0.0550	0.0540	0.0499
Aroclor-1260 Peak # 2	A	0.1010	0.0978	0.0943	0.0864	0.0838	0.0853	0.0816	0.0810	0.0754
Aroclor-1260 Peak # 3	A	0.0987	0.0952	0.0933	0.0862	0.0848	0.0876	0.0843	0.0855	0.0813
Aroclor-1260 Peak # 4	A	0.0539	0.0502	0.0485	0.0445	0.0431	0.0439	0.0418	0.0418	0.0398
Aroclor-1260 Peak # 5	A	0.0379	0.0402	0.0409	0.0376	0.0404	0.0447	0.0428	0.0450	0.0446
Decachlorobiphenyl (PCB)	A	1.3136	1.2521	1.1395	1.0914	1.0462	1.0936	1.0474	1.0457	1.0202
TCMX (PCB)	A	1.0556	1.0443	1.0018	0.9534	0.8960	0.8931	0.8839	0.9007	0.8564
Aroclor-1016 Peak # 1	B	0.0237	0.0206	0.0205	0.0201	0.0194	0.0196	0.0193	0.0195	0.0184
Aroclor-1016 Peak # 2	B	0.0520	0.0470	0.0451	0.0431	0.0429	0.0424	0.0413	0.0416	0.0391
Aroclor-1016 Peak # 3	B	0.0609	0.0528	0.0500	0.0478	0.0483	0.0487	0.0479	0.0490	0.0470
Aroclor-1016 Peak # 4	B	0.0385	0.0379	0.0349	0.0334	0.0336	0.0344	0.0340	0.0346	0.0328
Aroclor-1016 Peak # 5	B	0.0329	0.0318	0.0294	0.0281	0.0280	0.0286	0.0281	0.0285	0.0271
Aroclor-1260 Peak # 1	B	0.0741	0.0656	0.0651	0.0617	0.0619	0.0631	0.0605	0.0606	0.0572
Aroclor-1260 Peak # 2	B	0.0777	0.0735	0.0724	0.0698	0.0688	0.0709	0.0674	0.0682	0.0642
Aroclor-1260 Peak # 3	B	0.0823	0.0865	0.0833	0.0845	0.0876	0.0917	0.0876	0.0898	0.0859
Aroclor-1260 Peak # 4	B	0.0506	0.0519	0.0474	0.0468	0.0460	0.0516	0.0476	0.0489	0.0462
Aroclor-1260 Peak # 5	B	0.0736	0.0727	0.0678	0.0662	0.0681	0.0716	0.0685	0.0706	0.0691
Decachlorobiphenyl (PCB)	B	1.4473	1.4291	1.1927	1.1850	1.1442	1.2016	1.1565	1.1753	1.1462
TCMX (PCB)	B	0.9875	0.8886	0.8748	0.8877	0.8943	0.8998	0.8927	0.9329	0.9059

ENTHALPY INITIAL CALIBRATION FOR 465031 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_062422_1
Calibration #:	462252739001	Date:	25-JUN-2022 00:39
		X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	**22**	50.000	12	100.00	4	250.00	0	500.00	0	751.88	-6	1000.0	-8	1503.8	-9
Aroclor-1016 Peak # 2	A	20.000	**22**	50.000	16	100.00	12	250.00	3	500.00	-5	751.88	-8	1000.0	-10	1503.8	-12
Aroclor-1016 Peak # 3	A	20.000	**23**	50.000	13	100.00	8	250.00	-3	500.00	-6	751.88	-6	1000.0	-8	1503.8	-7
Aroclor-1016 Peak # 4	A	20.000	19	50.000	11	100.00	7	250.00	1	500.00	-4	751.88	-4	1000.0	-7	1503.8	-8
Aroclor-1016 Peak # 5	A	20.000	17	50.000	12	100.00	10	250.00	2	500.00	-4	751.88	-5	1000.0	-7	1503.8	-10
Aroclor-1260 Peak # 1	A	20.000	19	50.000	13	100.00	9	250.00	1	500.00	-5	751.88	1	1000.0	-10	1503.8	-11
Aroclor-1260 Peak # 2	A	20.000	16	50.000	12	100.00	8	250.00	-1	500.00	-4	751.88	-2	1000.0	-7	1503.8	-7
Aroclor-1260 Peak # 3	A	20.000	11	50.000	8	100.00	5	250.00	-3	500.00	-4	751.88	-1	1000.0	-5	1503.8	-3
Aroclor-1260 Peak # 4	A	20.000	19	50.000	11	100.00	7	250.00	-2	500.00	-5	751.88	-3	1000.0	-8	1503.8	-8
Aroclor-1260 Peak # 5	A	20.000	-9	50.000	-3	100.00	-2	250.00	-9	500.00	-3	751.88	8	1000.0	3	1503.8	8
Decachlorobiphenyl (PCB)	A	0.8000	18	2.0000	12	4.0000	2	10.000	-2	20.000	-6	30.075	-2	40.000	-6	60.150	-6
TCMX (PCB)	A	0.8000	12	2.0000	11	4.0000	6	10.000	1	20.000	-5	30.075	-5	40.000	-6	60.150	-4
Aroclor-1016 Peak # 1	B	20.000	18	50.000	2	100.00	2	250.00	0	500.00	-3	751.88	-3	1000.0	-4	1503.8	-3
Aroclor-1016 Peak # 2	B	20.000	19	50.000	7	100.00	3	250.00	-2	500.00	-2	751.88	-3	1000.0	-6	1503.8	-5
Aroclor-1016 Peak # 3	B	20.000	**21**	50.000	5	100.00	-1	250.00	-5	500.00	-4	751.88	-3	1000.0	-5	1503.8	-2
Aroclor-1016 Peak # 4	B	20.000	10	50.000	9	100.00	0	250.00	-4	500.00	-4	751.88	-1	1000.0	-2	1503.8	-1
Aroclor-1016 Peak # 5	B	20.000	13	50.000	9	100.00	1	250.00	-4	500.00	-4	751.88	-2	1000.0	-4	1503.8	-2
Aroclor-1260 Peak # 1	B	20.000	17	50.000	4	100.00	3	250.00	-3	500.00	-2	751.88	0	1000.0	-4	1503.8	-4
Aroclor-1260 Peak # 2	B	20.000	10	50.000	5	100.00	3	250.00	-1	500.00	-2	751.88	1	1000.0	-4	1503.8	-3
Aroclor-1260 Peak # 3	B	20.000	-5	50.000	0	100.00	-4	250.00	-2	500.00	1	751.88	6	1000.0	1	1503.8	4
Aroclor-1260 Peak # 4	B	20.000	4	50.000	7	100.00	-2	250.00	-4	500.00	-5	751.88	6	1000.0	-2	1503.8	1
Aroclor-1260 Peak # 5	B	20.000	5	50.000	4	100.00	-3	250.00	-5	500.00	-2	751.88	3	1000.0	-2	1503.8	1
Decachlorobiphenyl (PCB)	B	0.8000	18	2.0000	16	4.0000	-3	10.000	-4	20.000	-7	30.075	-2	40.000	-6	60.150	-5
TCMX (PCB)	B	0.8000	9	2.0000	-2	4.0000	-4	10.000	-2	20.000	-1	30.075	-1	40.000	-2	60.150	3

ENTHALPY INITIAL CALIBRATION FOR 465031 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_062422_1
Calibration #:	462252739001	Date:	25-JUN-2022 00:39
		X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-15
Aroclor-1016 Peak # 2	A	2000.0	-18
Aroclor-1016 Peak # 3	A	2000.0	-14
Aroclor-1016 Peak # 4	A	2000.0	-14
Aroclor-1016 Peak # 5	A	2000.0	-15
Aroclor-1260 Peak # 1	A	2000.0	-18
Aroclor-1260 Peak # 2	A	2000.0	-14
Aroclor-1260 Peak # 3	A	2000.0	-8
Aroclor-1260 Peak # 4	A	2000.0	-12
Aroclor-1260 Peak # 5	A	2000.0	7
Decachlorobiphenyl (PCB)	A	80.000	-9
TCMX (PCB)	A	80.000	-9
Aroclor-1016 Peak # 1	B	2000.0	-8
Aroclor-1016 Peak # 2	B	2000.0	-11
Aroclor-1016 Peak # 3	B	2000.0	-6
Aroclor-1016 Peak # 4	B	2000.0	-6
Aroclor-1016 Peak # 5	B	2000.0	-7
Aroclor-1260 Peak # 1	B	2000.0	-10
Aroclor-1260 Peak # 2	B	2000.0	-9
Aroclor-1260 Peak # 3	B	2000.0	-1
Aroclor-1260 Peak # 4	B	2000.0	-5
Aroclor-1260 Peak # 5	B	2000.0	-1
Decachlorobiphenyl (PCB)	B	80.000	-7
TCMX (PCB)	B	80.000	0

TRN 06/25/22 : Manually integrated for coeluting peak and automatic draw baseline on both/one channel and on multiple levels

Analyst: TRN 06/25/22

Reviewer: LW 06/27/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 465031 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07	Name:	PCB_062422_1
Calnum:	462252739001	Cal Date:	25-JUN-2022

- ICV 462252739032 (gc07_062422032 25-JUN-2022) stds: S16736

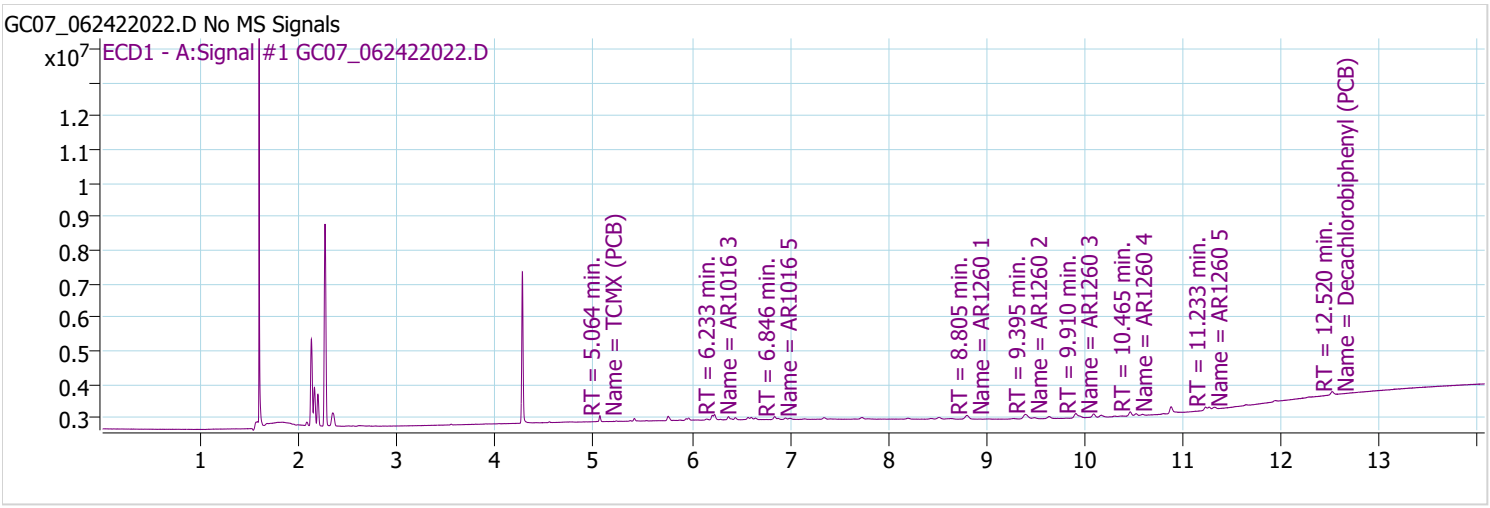
Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	518.1	ug/L	4	15	
Aroclor-1260	A	500.0	539.6	ug/L	8	15	
Aroclor-1016	B	500.0	525.9	ug/L	5	15	
Aroclor-1260	B	500.0	563.1	ug/L	13	15	

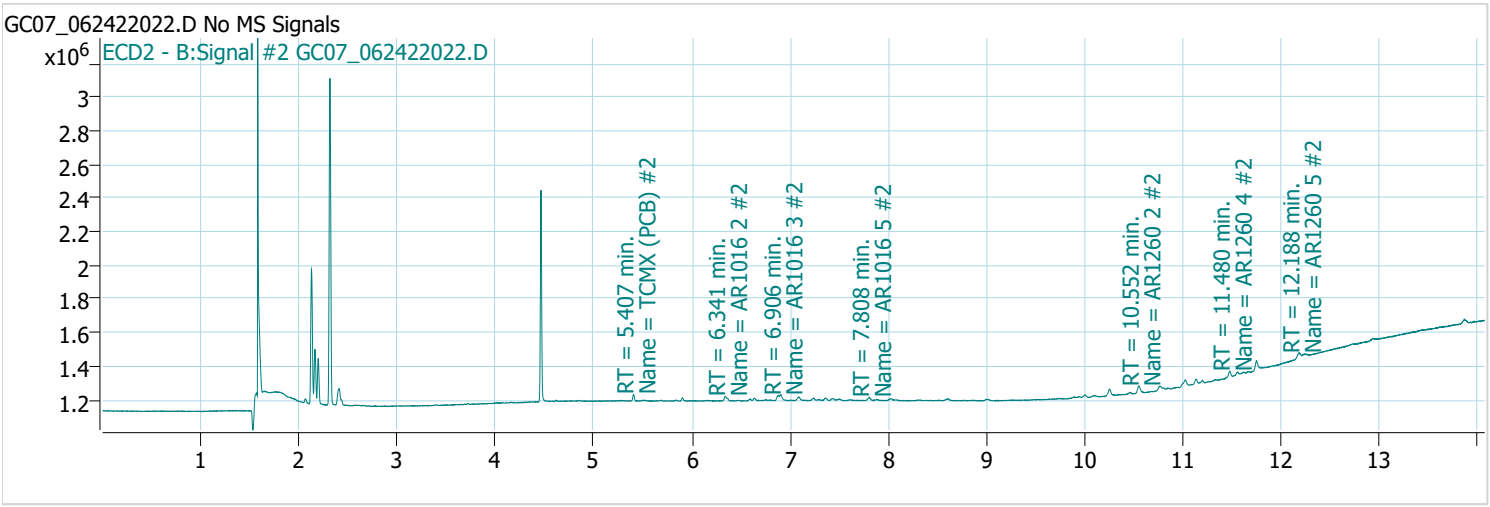
-

Analyst: TRN 06/25/22 **Reviewer:** LW 06/27/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_062422022.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 12:39:35 AM
Sample Name	ICAL, S16726, 100	Instrument	SVOA-GC07
Vial	11	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	20 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



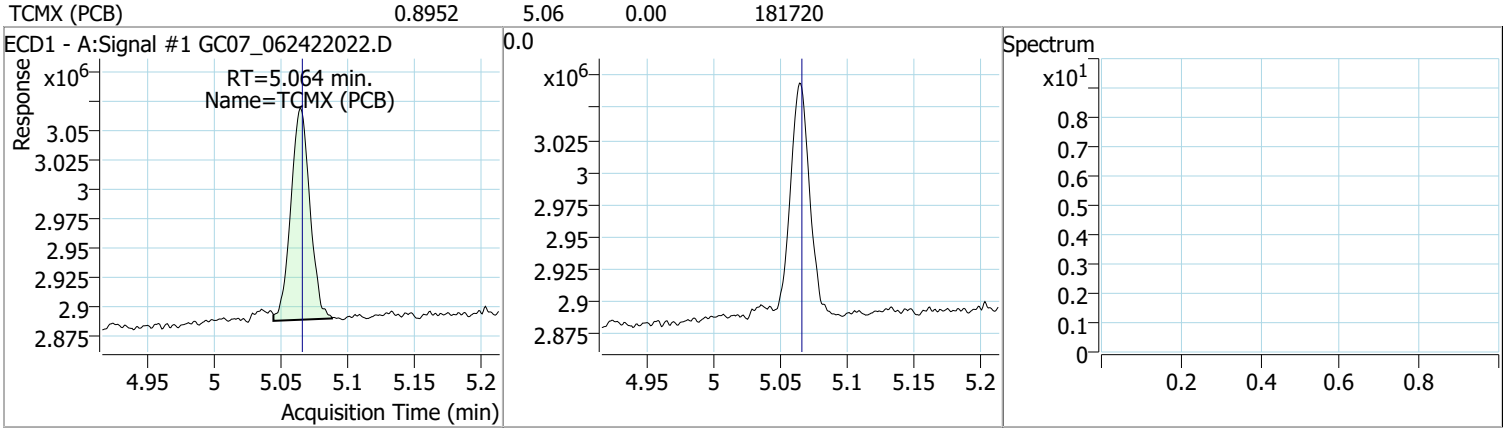


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.276	0.0	4303770.897	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.465	0.0	1146854.232	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.064	0.0	181719.749	0.8952	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.48%		*	
S TCMX (PCB) #2	5.407	0.0	45302.652	0.8704	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.35%		*	
S Decachlorobiphenyl (PCB)	12.520	0.0	226135.319	0.9406	ng/ml	m	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.70%		*	
S Decachlorobiphenyl (PCB) #2	13.865	0.0	66391.652	0.9401	ng/ml		-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.70%		*	
Target Compounds							**QValue**
T AR1016 1	5.415	0.0	100860.719	24.4281	ng/ml	m	100
T AR1016 2	5.760	0.0	217745.698	24.3329	ng/ml		100
T AR1016 1 #2	5.904	0.0	27171.139	23.5260	ng/ml	m	100

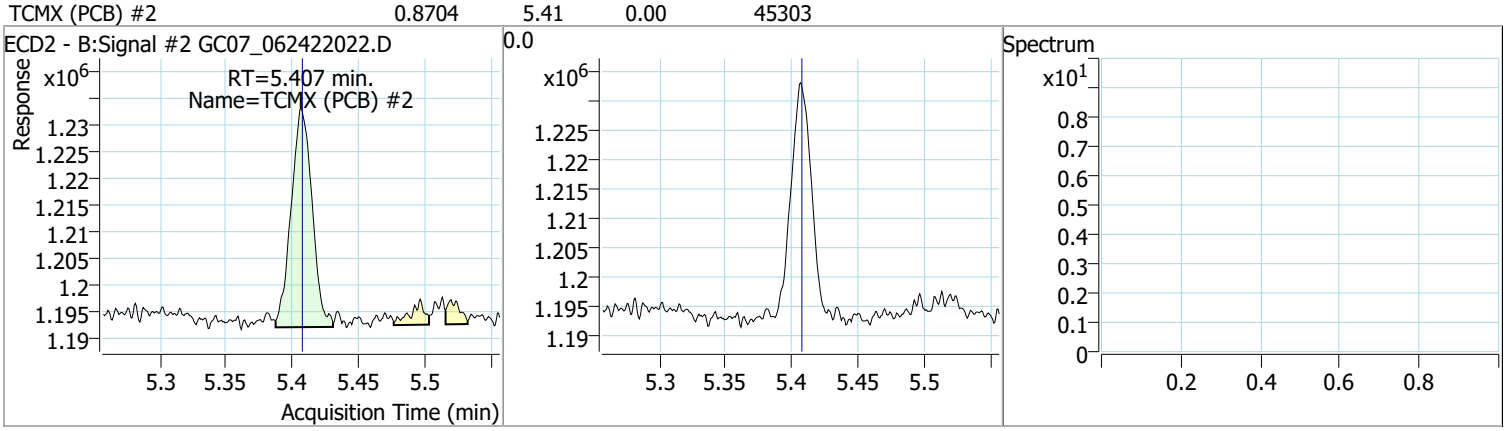
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 3	6.233	0.0	255522.787	24.6587	ng/ml		100
T AR1016 2 #2	6.341	0.0	59680.736	23.7307	ng/ml		100
T AR1016 4	6.373	0.0	177597.647	23.8332	ng/ml	m	100
T AR1016 5	6.846	0.0	144985.805	23.3584	ng/ml	m	100
T AR1016 3 #2	6.906	0.0	69844.980	24.2114	ng/ml		100
T AR1016 4 #2	7.088	0.0	44096.916	22.0245	ng/ml		100
T AR1016 5 #2	7.808	0.0	37691.872	22.5363	ng/ml		100
T AR1260 1	8.805	0.0	312835.640	23.8666	ng/ml		100
T AR1260 2	9.395	0.0	434770.610	23.1062	ng/ml		100
T AR1260 3	9.910	0.0	424711.927	22.2736	ng/ml		100
T AR1260 1 #2	10.254	0.0	84960.268	23.3914	ng/ml		100
T AR1260 4	10.465	0.0	231834.804	23.7836	ng/ml		100
T AR1260 2 #2	10.552	0.0	89110.774	22.0828	ng/ml		100
T AR1260 3 #2	11.026	0.0	94341.595	18.9942	ng/ml		100
T AR1260 5	11.233	0.0	163315.289	18.2491	ng/ml		100
T AR1260 4 #2	11.480	0.0	58077.973	20.8410	ng/ml		100
T AR1260 5 #2	12.188	0.0	84370.198	21.0683	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

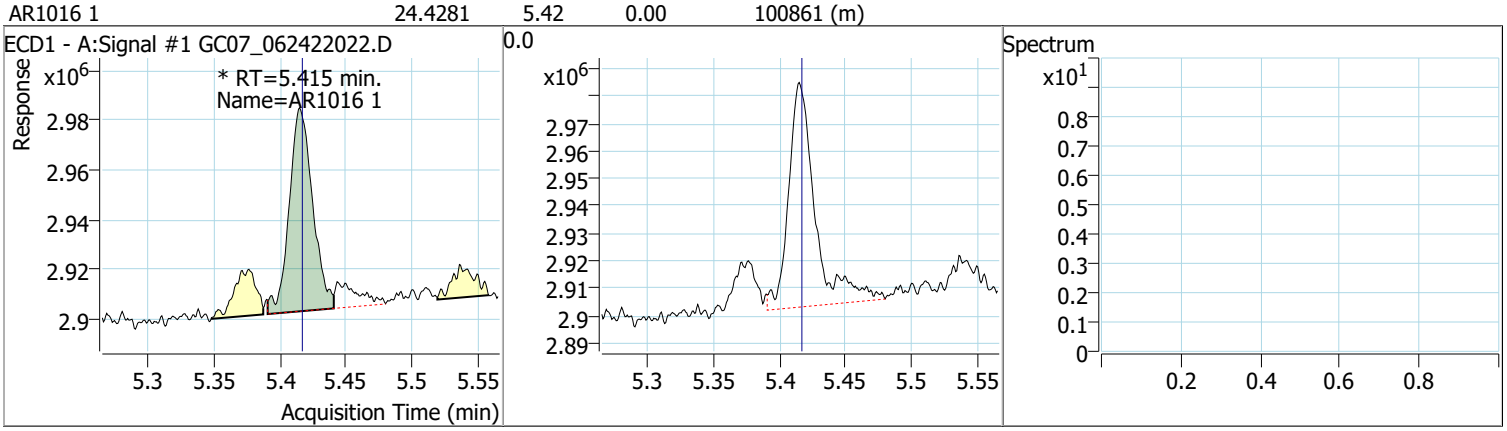
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	0.8952	5.06	0.00	181720				



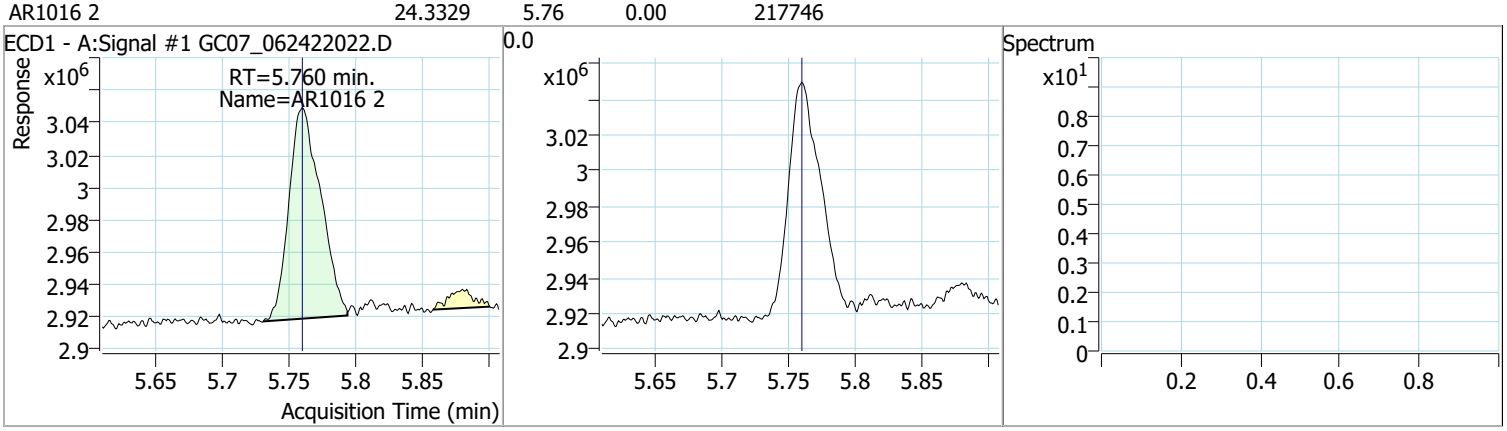
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	0.8704	5.41	0.00	45303				



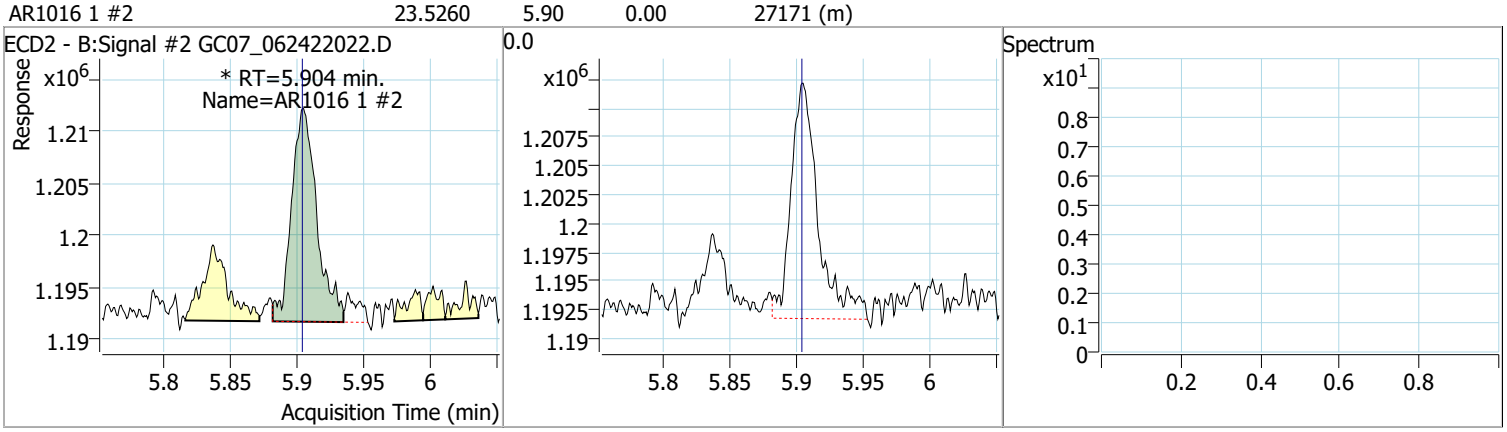
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	24.4281	5.42	0.00	100861 (m)				



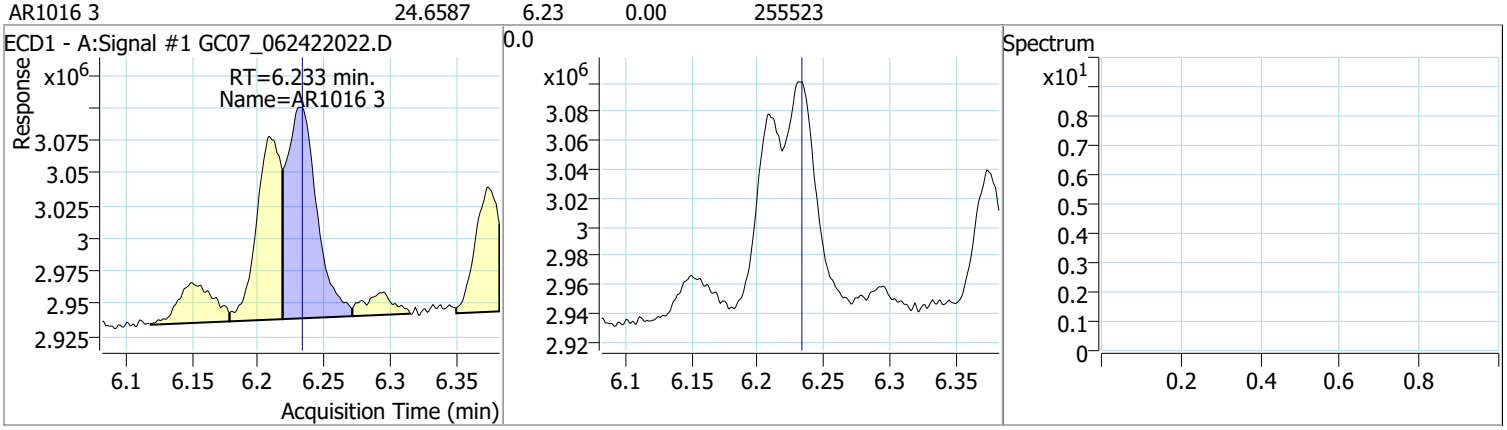
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	24.3329	5.76	0.00	217746				



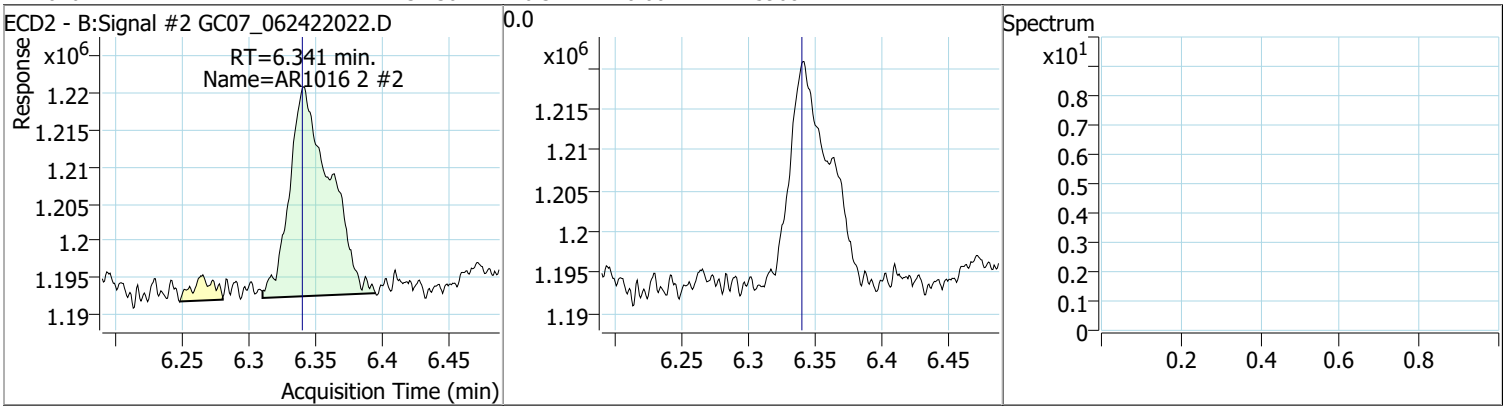
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	23.5260	5.90	0.00	27171 (m)				



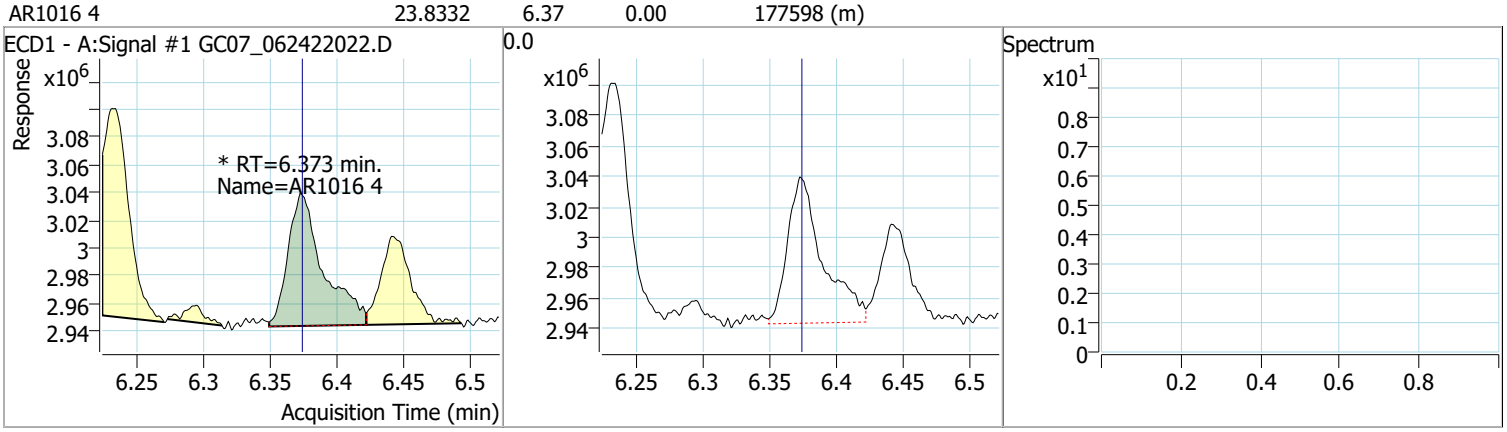
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	24.6587	6.23	0.00	255523				



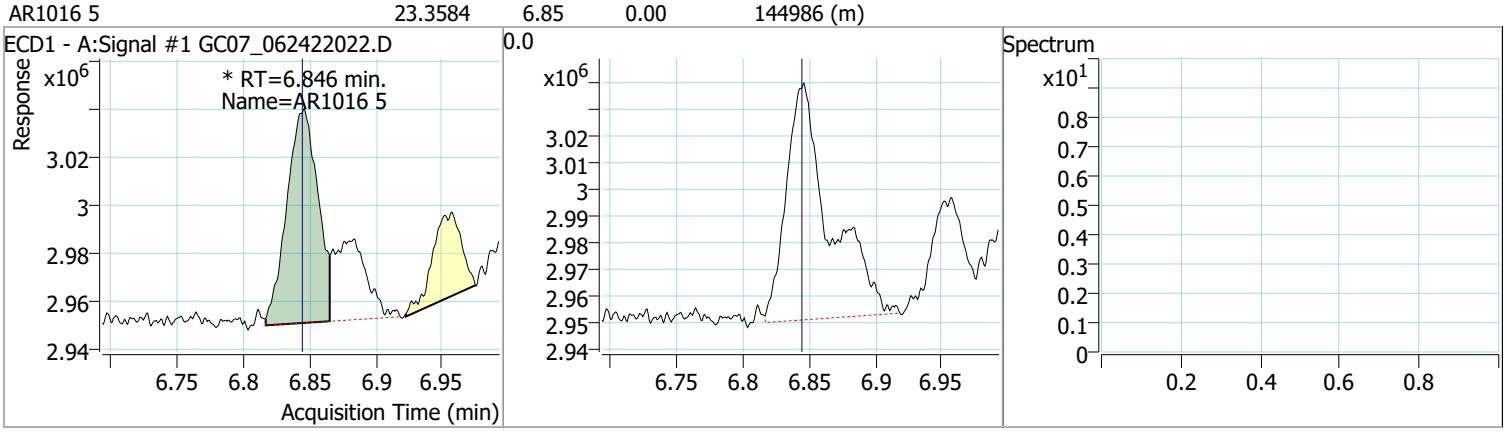
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	23.7307	6.34	0.00	59681				



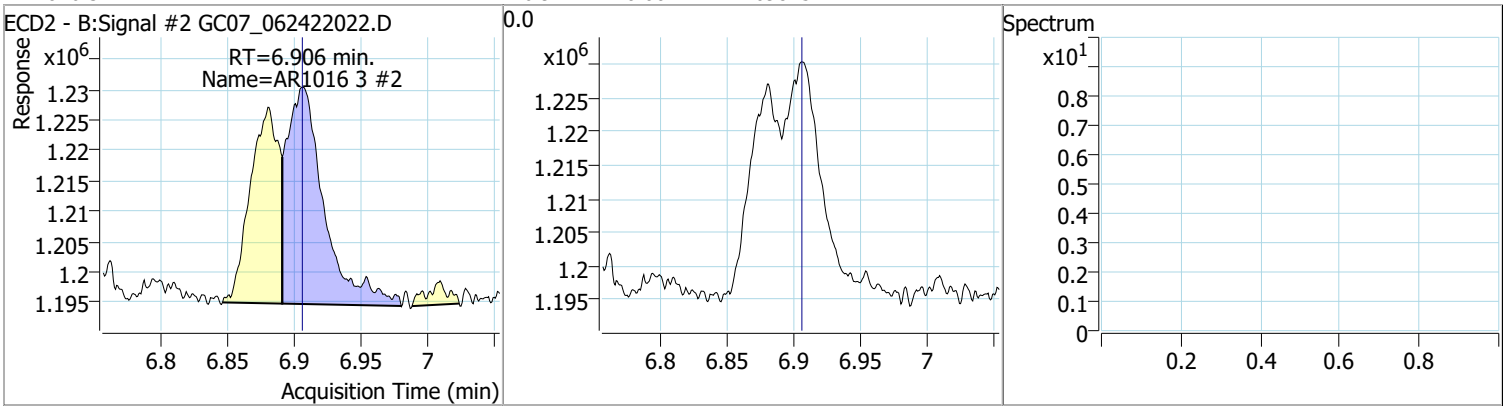
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	23.8332	6.37	0.00	177598 (m)				



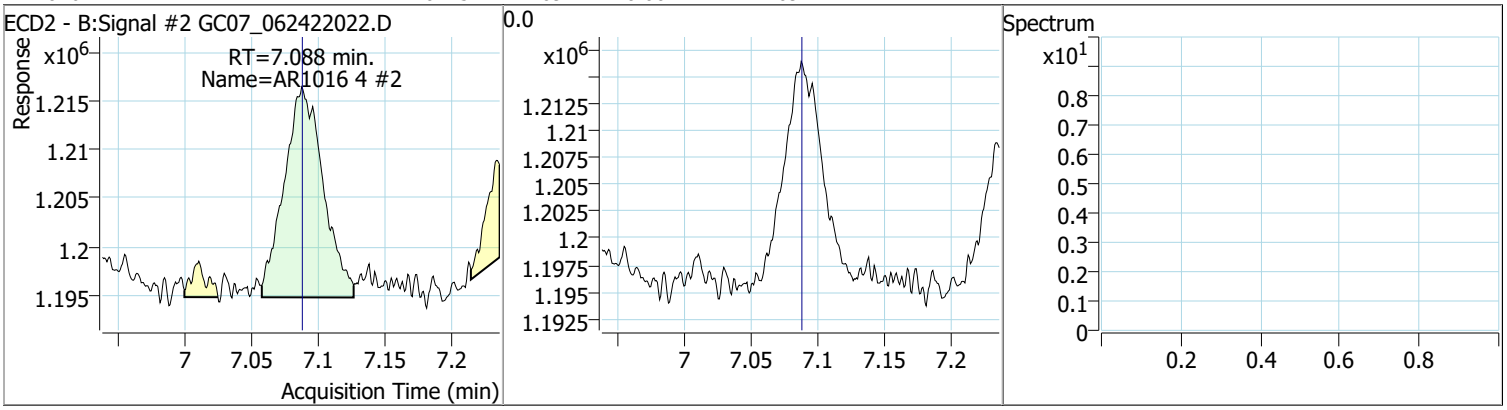
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	23.3584	6.85	0.00	144986 (m)				



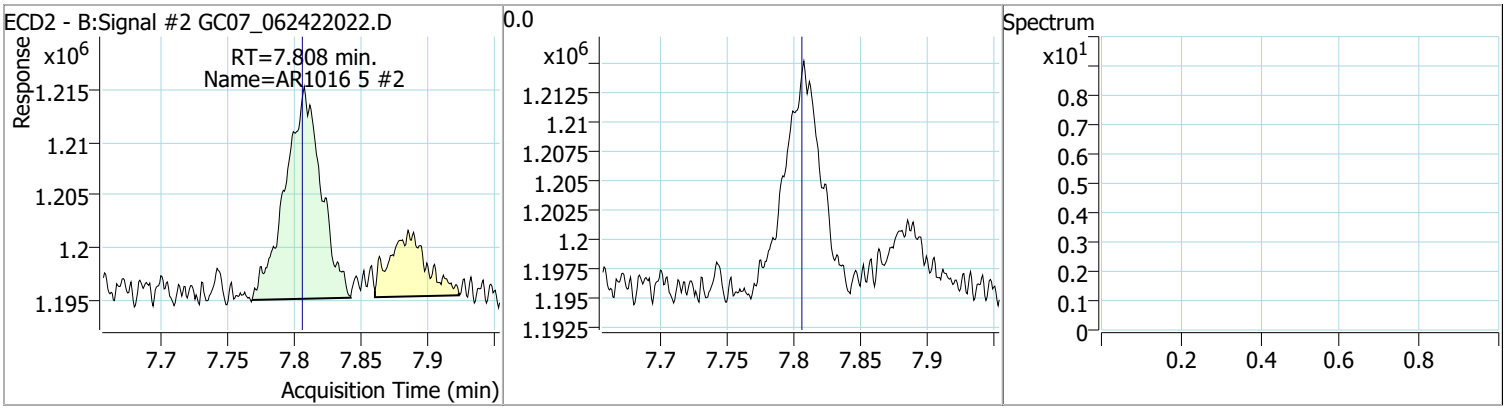
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	24.2114	6.91	0.00	69845				



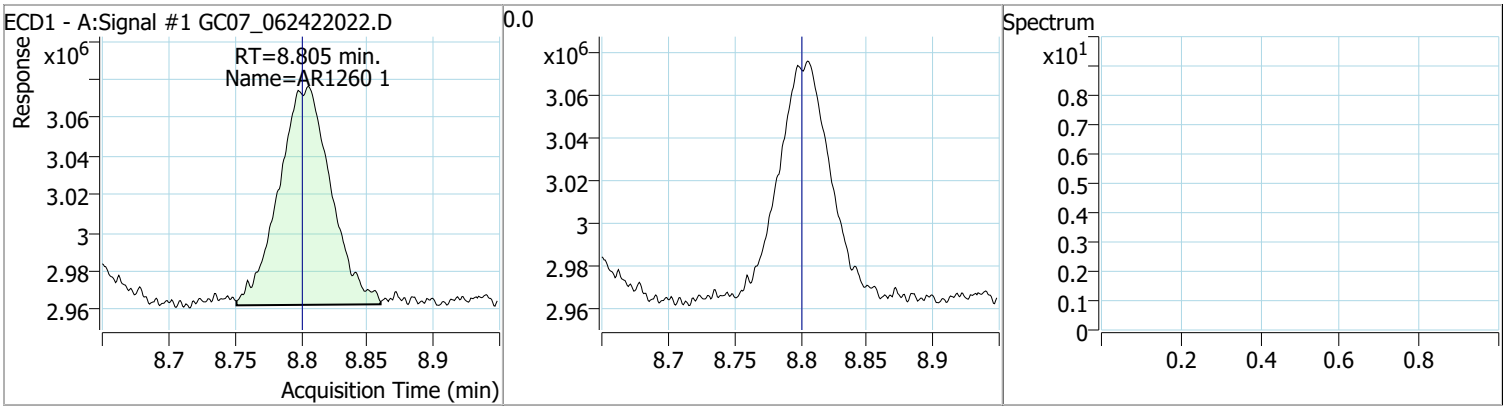
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	22.0245	7.09	0.00	44097				



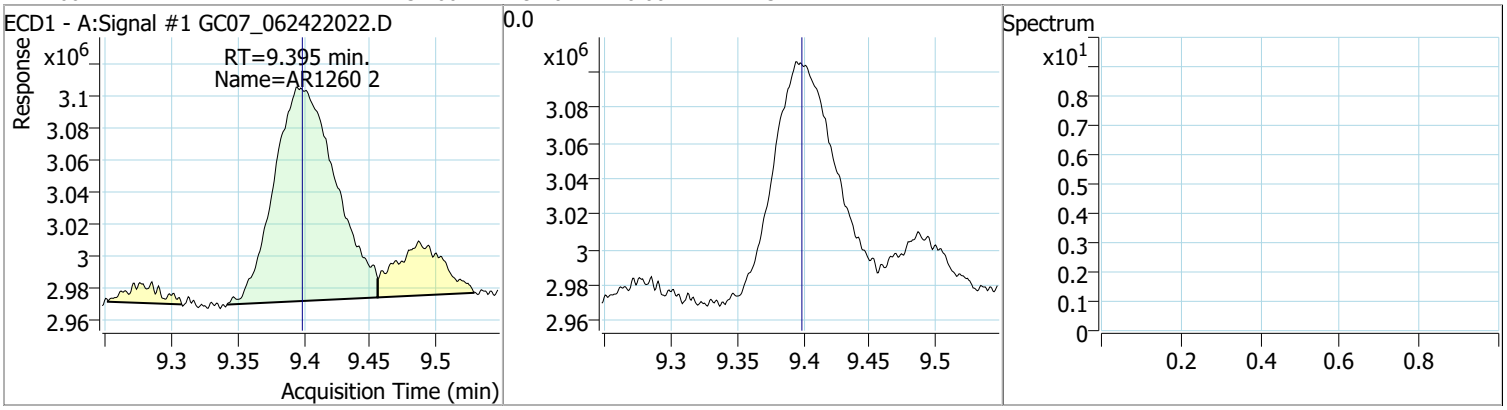
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	22.5363	7.81	0.00	37692				



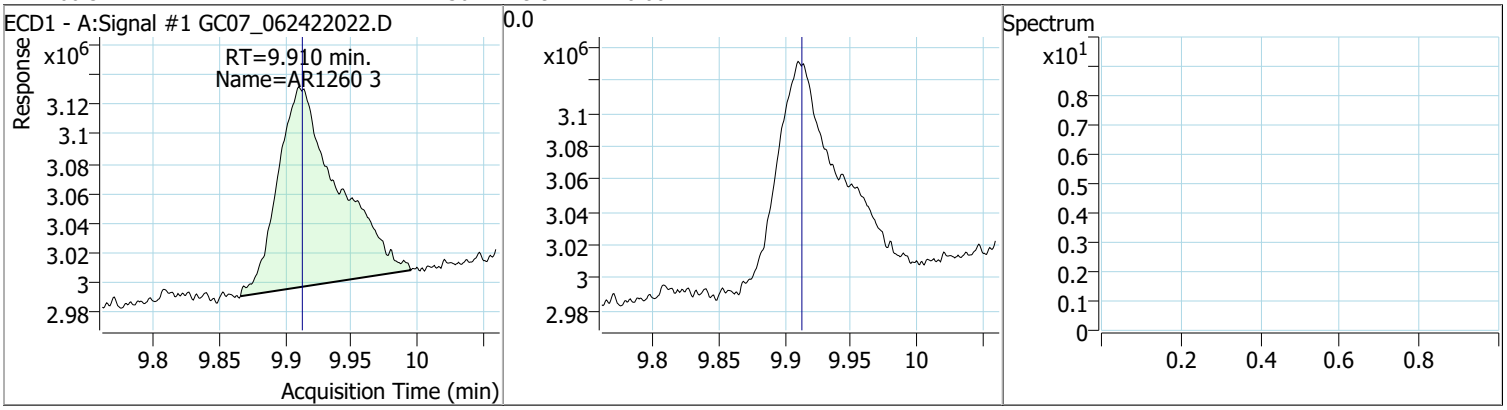
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	23.8666	8.81	0.01	312836				



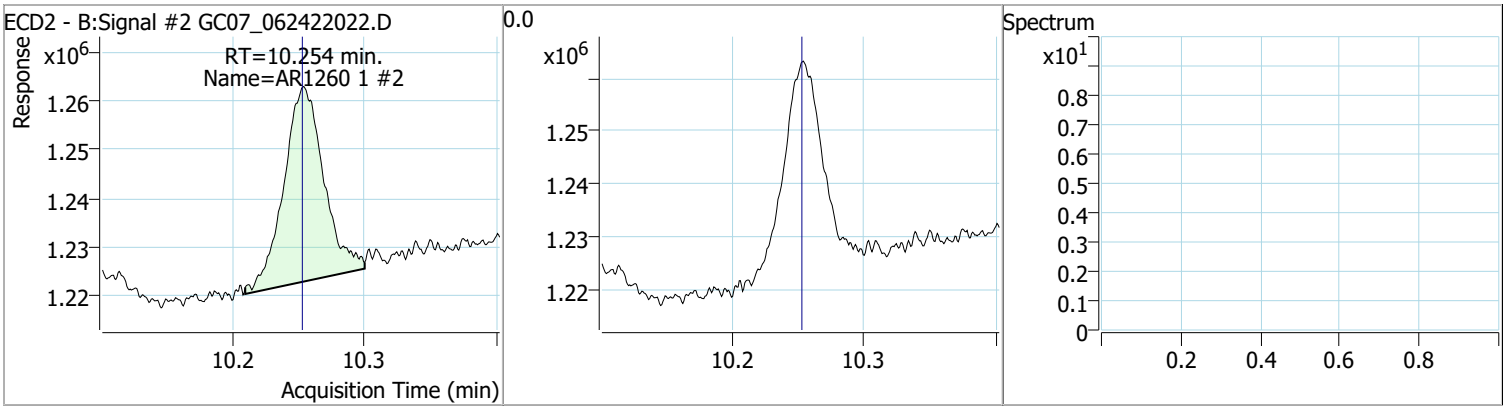
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	23.1062	9.40	0.00	434771				



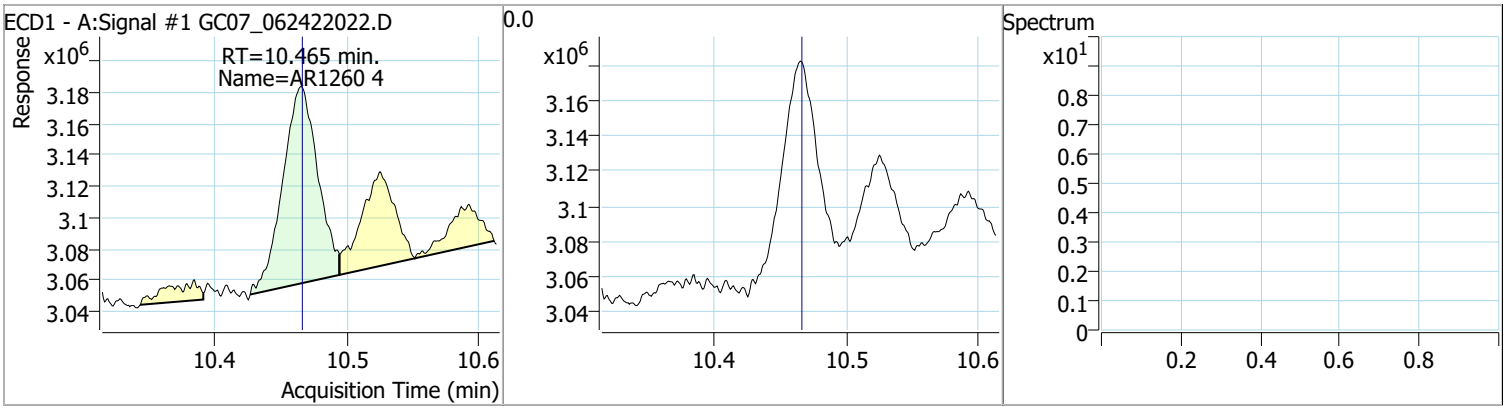
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	22.2736	9.91	0.00	424712				



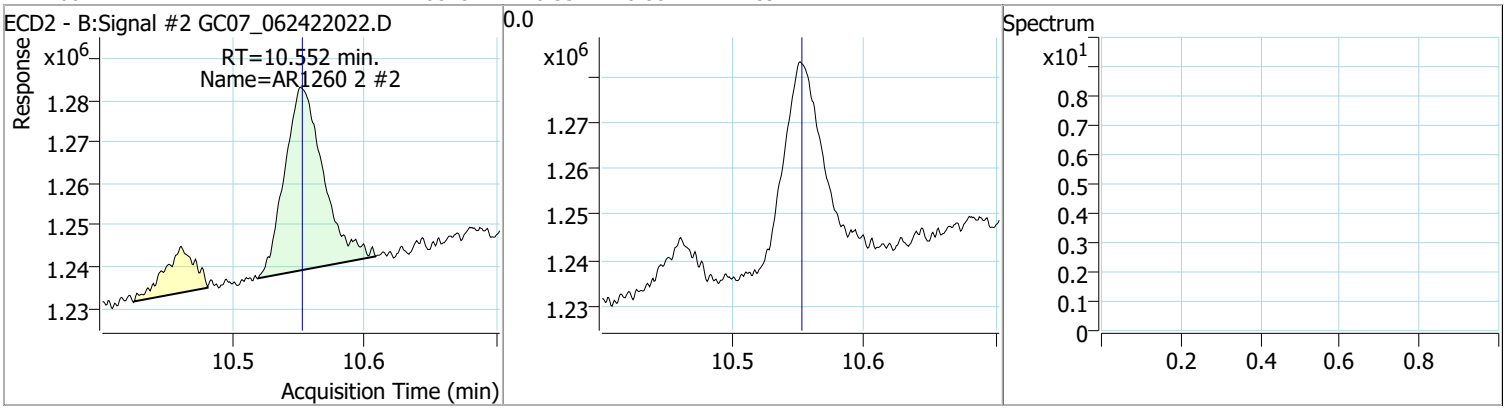
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	23.3914	10.25	0.00	84960				



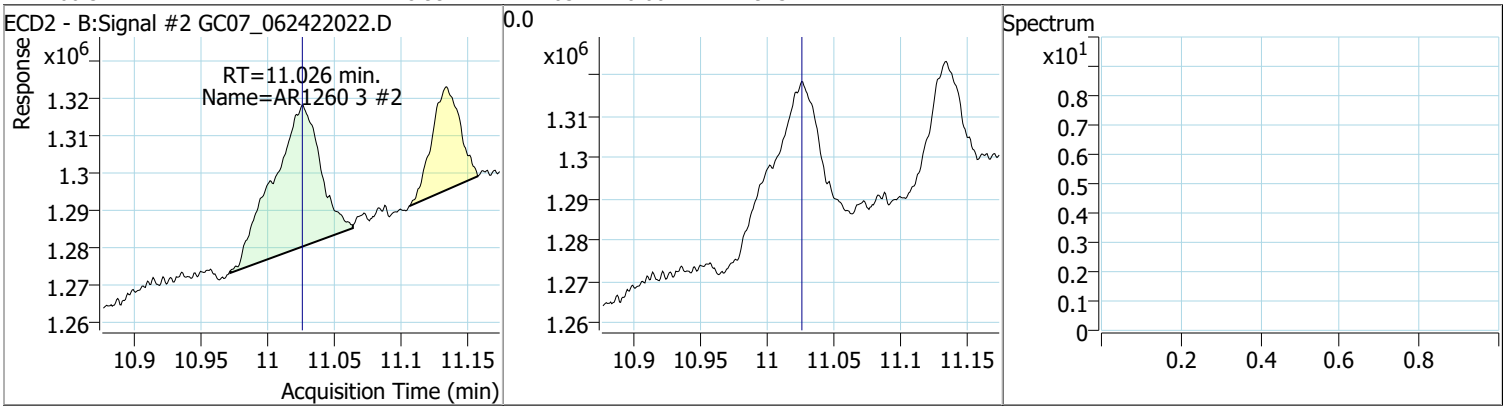
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	23.7836	10.47	0.00	231835				



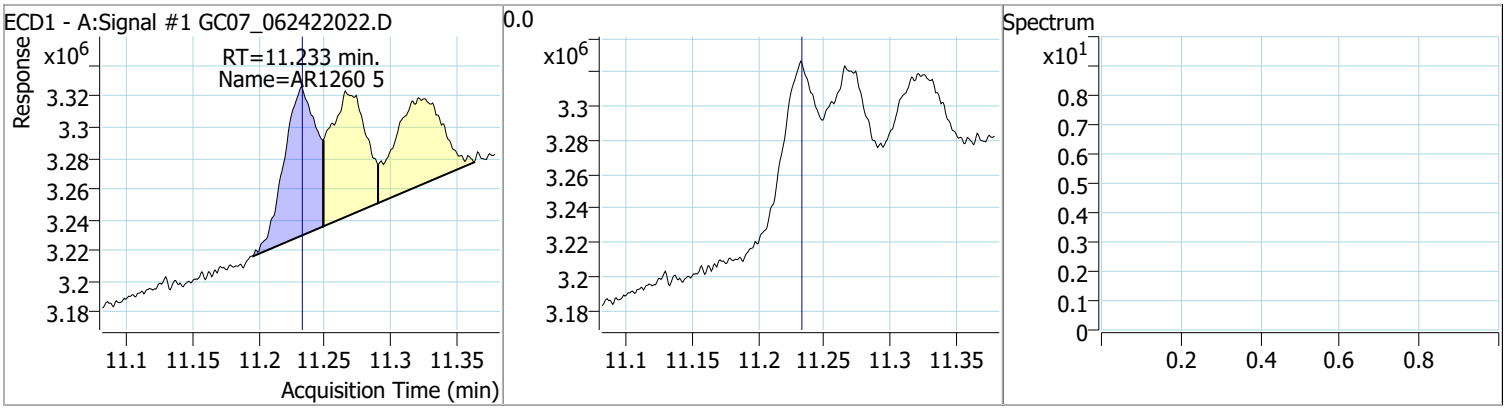
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	22.0828	10.55	0.00	89111				



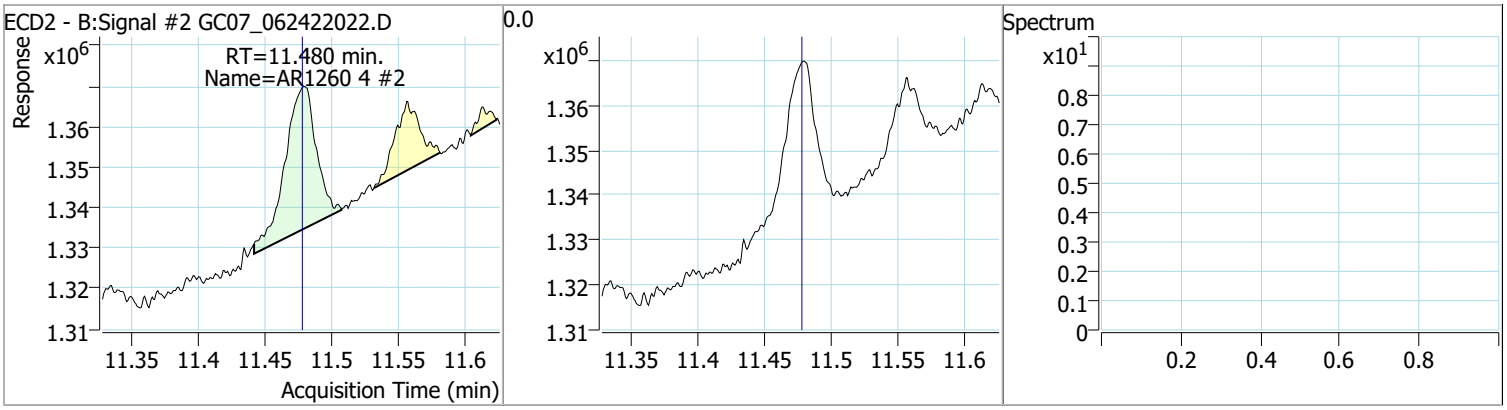
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	18.9942	11.03	0.00	94342				



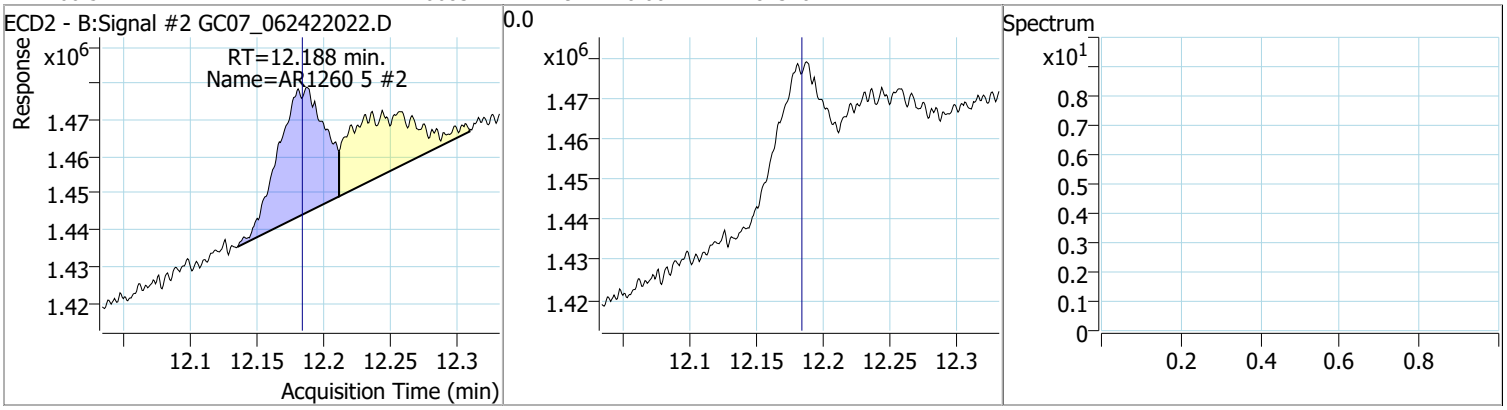
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	18.2491	11.23	0.00	163315				



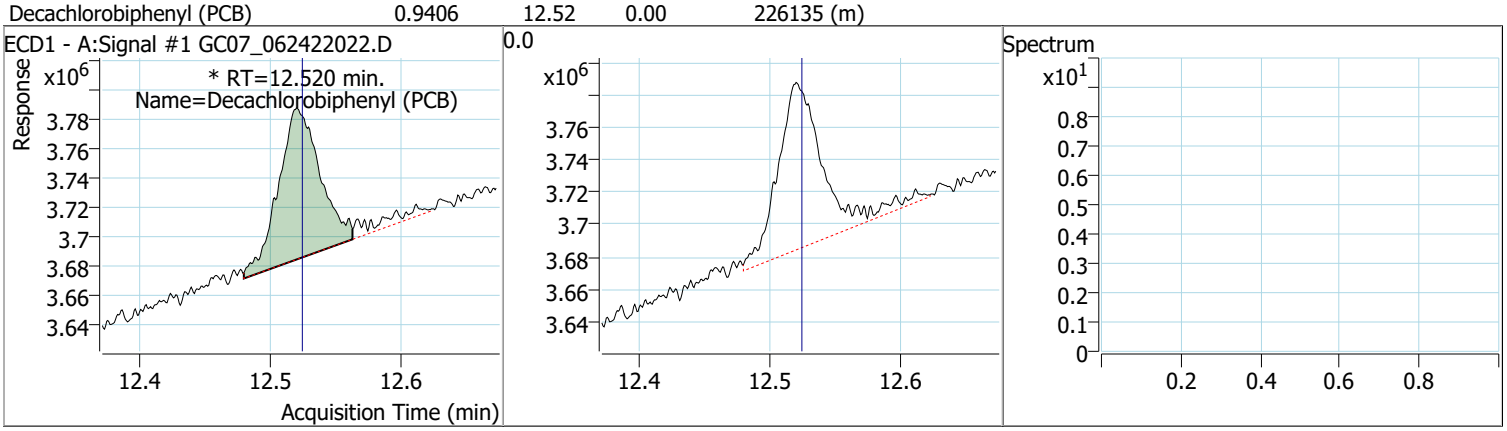
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	20.8410	11.48	0.00	58078				



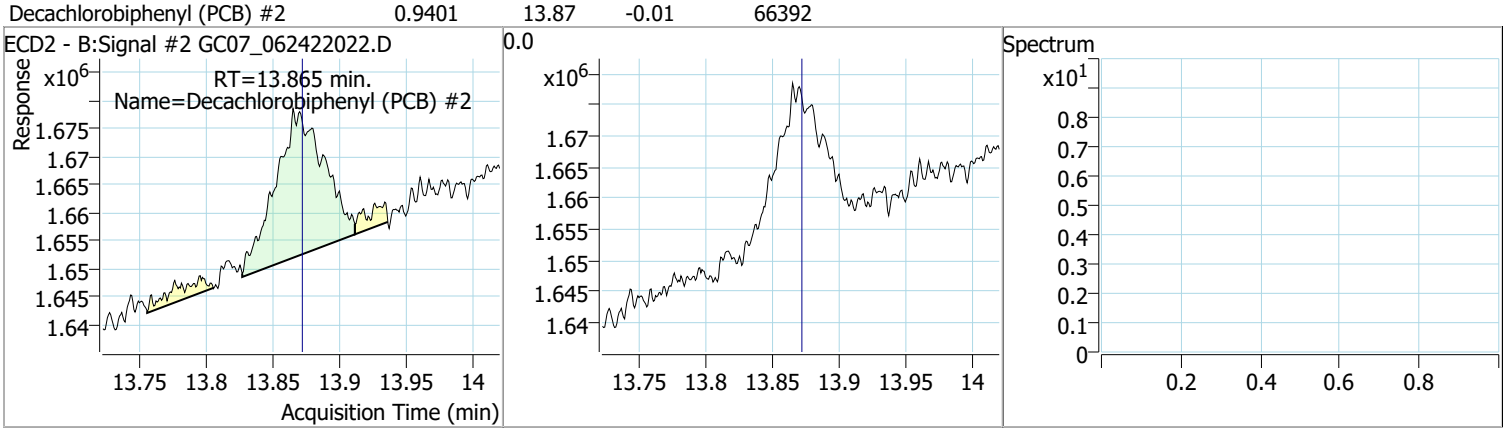
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	21.0683	12.19	0.00	84370				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	0.9406	12.52	0.00	226135 (m)				

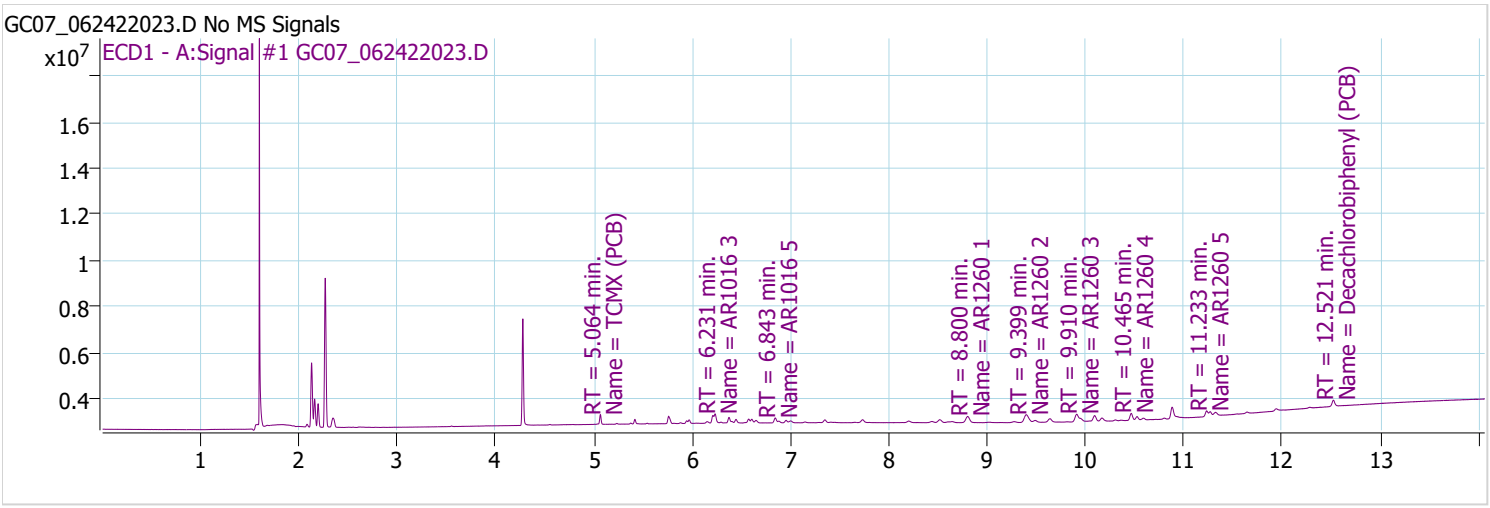


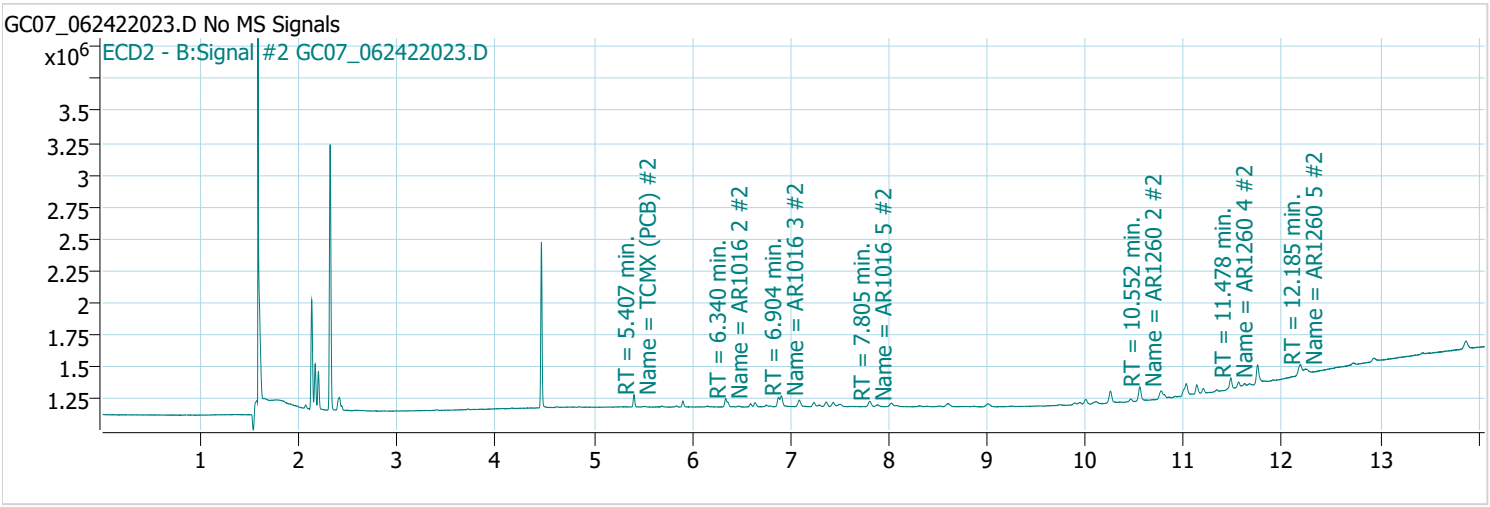
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	0.9401	13.87	-0.01	66392				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422023.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 12:57:06 AM
Sample Name	ICAL, S16726, 40	Instrument	SVOA-GC07
Vial	12	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	50 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



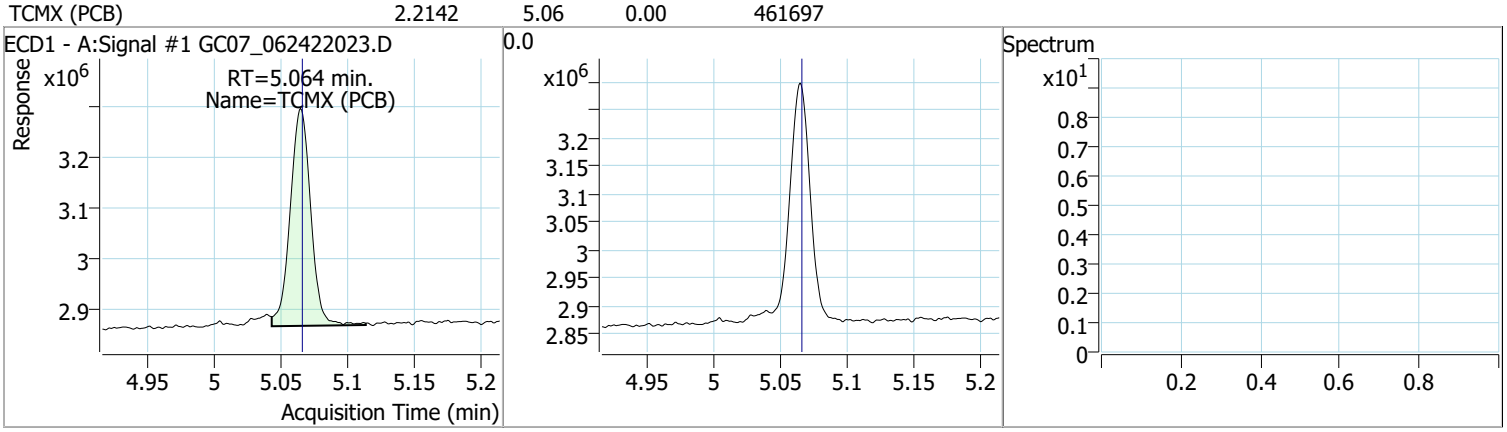


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.275	0.0	4421081.238	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.464	0.0	1166029.162	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.064	0.0	461696.881	2.2142	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 11.07%		*	
S TCMX (PCB) #2	5.407	0.0	103612.107	1.9580	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 9.79%		*	
S Decachlorobiphenyl (PCB)	12.521	0.0	553575.109	2.2415	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 11.21%		*	
S Decachlorobiphenyl (PCB) #2	13.874	0.0	166632.232	2.3208	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 11.60%		*	
Target Compounds							QValue
T AR1016 1	5.416	0.0	237850.351	56.0780	ng/ml		100
T AR1016 2	5.758	0.0	534537.195	58.1490	ng/ml		100
T AR1016 1 #2	5.903	0.0	60136.646	51.2128	ng/ml		100

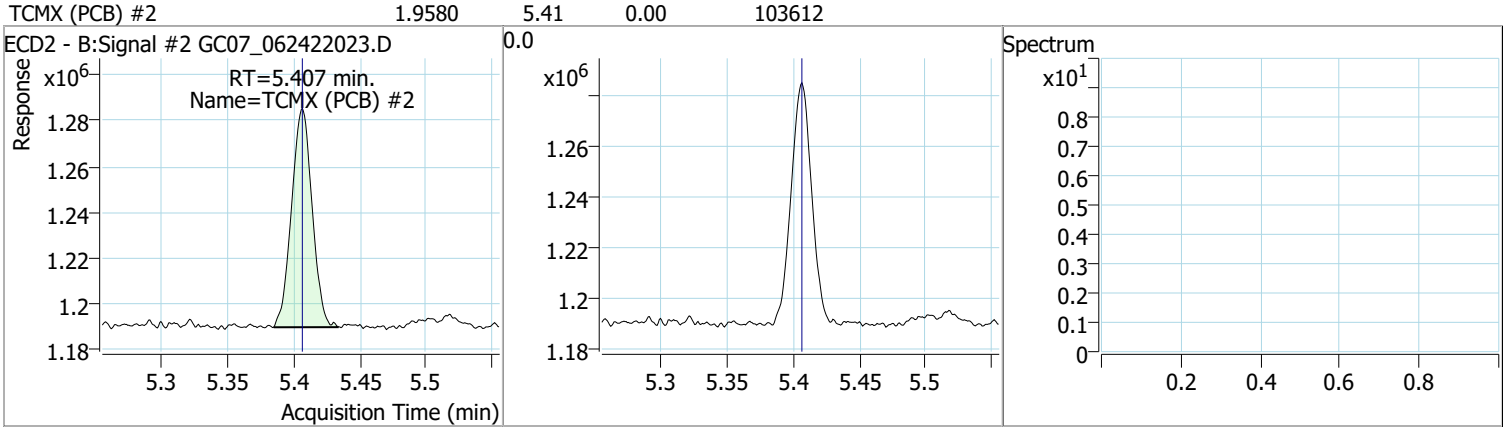
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 3	6.231	0.0	599053.673	56.2764	ng/ml		100
T AR1016 2 #2	6.340	0.0	136866.628	53.5269	ng/ml		100
T AR1016 4	6.373	0.0	425242.429	55.5522	ng/ml		100
T AR1016 5	6.843	0.0	356105.605	55.8492	ng/ml		100
T AR1016 3 #2	6.904	0.0	153954.877	52.4901	ng/ml		100
T AR1016 4 #2	7.088	0.0	110455.001	54.2604	ng/ml	m	100
T AR1016 5 #2	7.805	0.0	92592.611	54.4514	ng/ml		100
T AR1260 1	8.800	0.0	762811.285	56.6516	ng/ml		100
T AR1260 2	9.399	0.0	1080530.411	55.9018	ng/ml		100
T AR1260 3	9.910	0.0	1052709.932	53.7435	ng/ml		100
T AR1260 1 #2	10.252	0.0	191092.109	51.7466	ng/ml		100
T AR1260 4	10.465	0.0	555278.694	55.4537	ng/ml		100
T AR1260 2 #2	10.552	0.0	214360.496	52.2477	ng/ml		100
T AR1260 3 #2	11.024	0.0	252189.870	49.9394	ng/ml		100
T AR1260 5	11.233	0.0	443921.654	48.2882	ng/ml		100
T AR1260 4 #2	11.478	0.0	151432.269	53.4472	ng/ml		100
T AR1260 5 #2	12.185	0.0	211880.137	52.0391	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

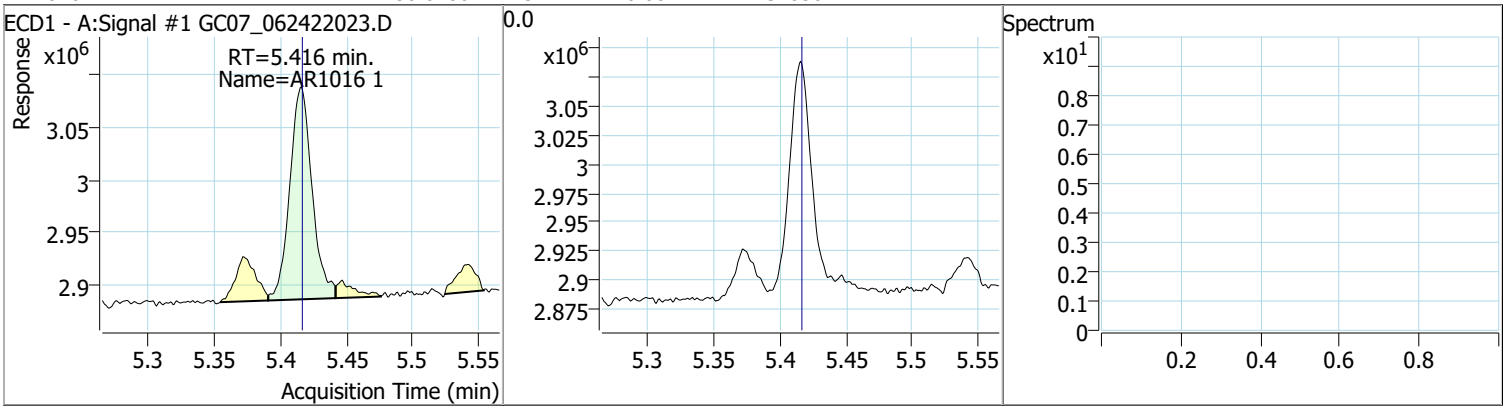
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	2.2142	5.06	0.00	461697				



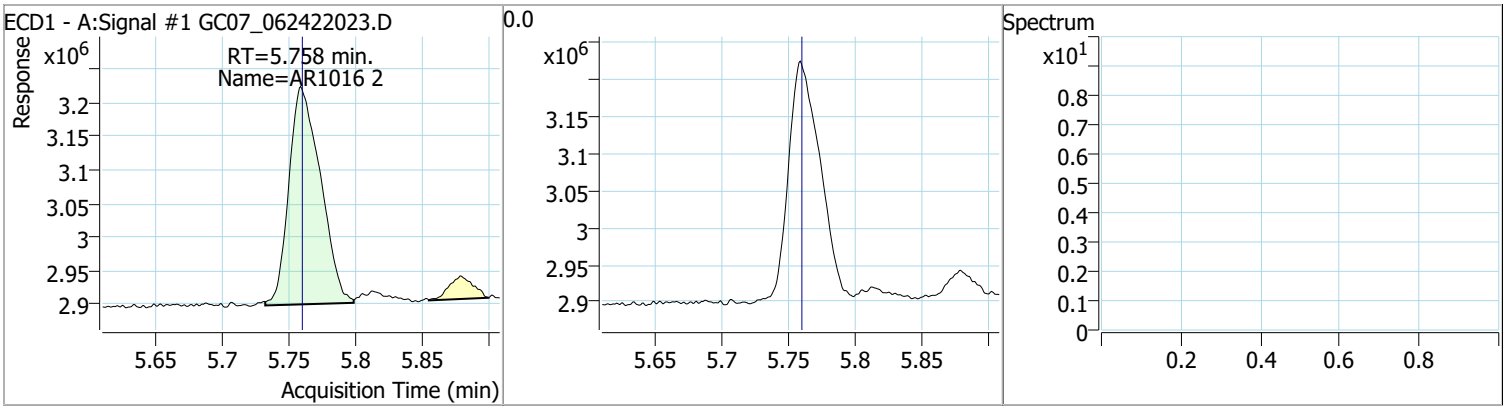
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	1.9580	5.41	0.00	103612				



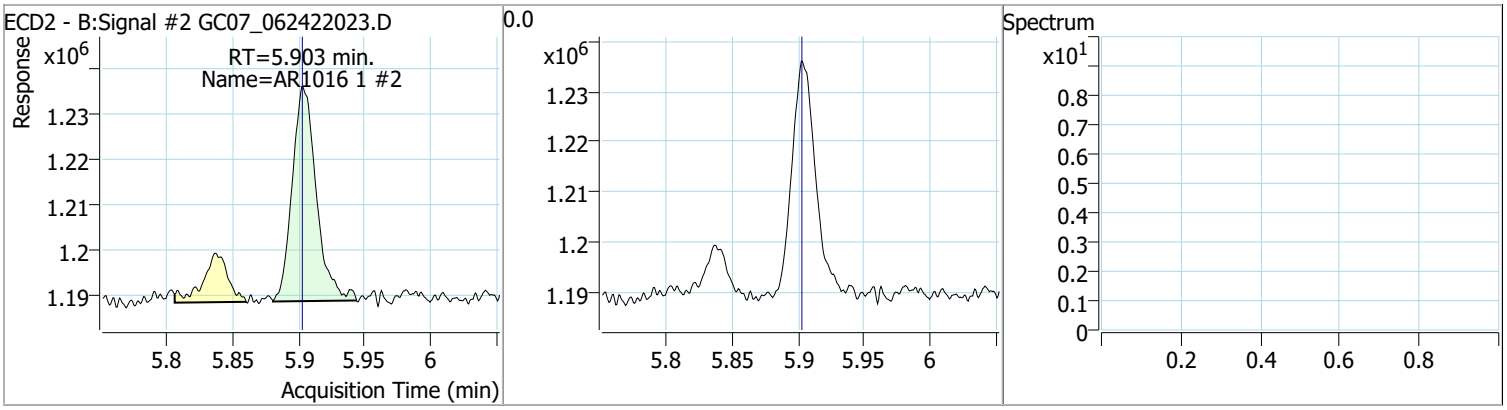
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	56.0780	5.42	0.00	237850				



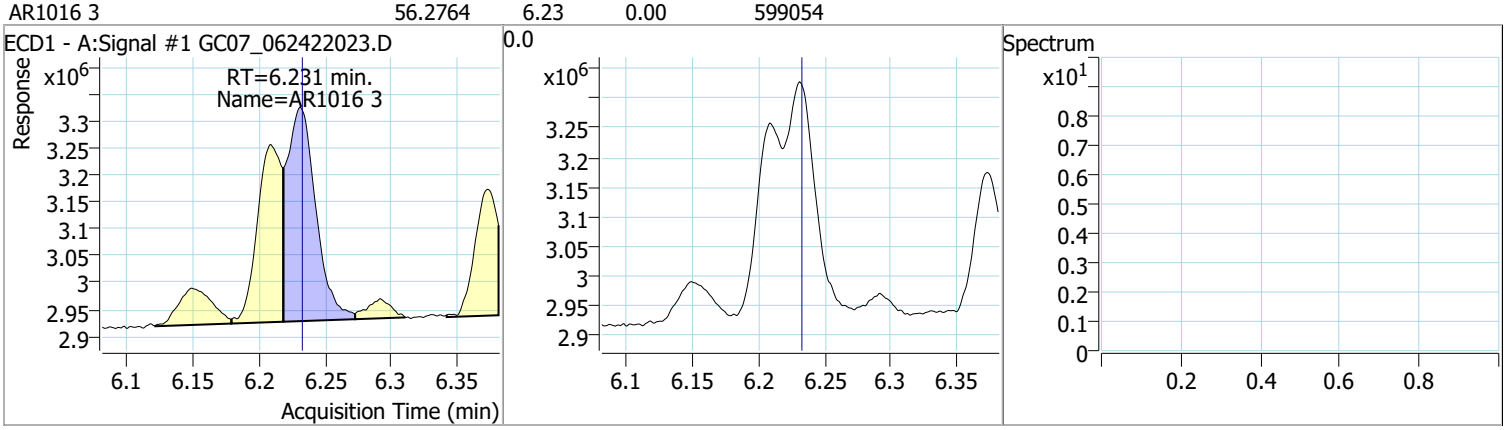
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	58.1490	5.76	0.00	534537				



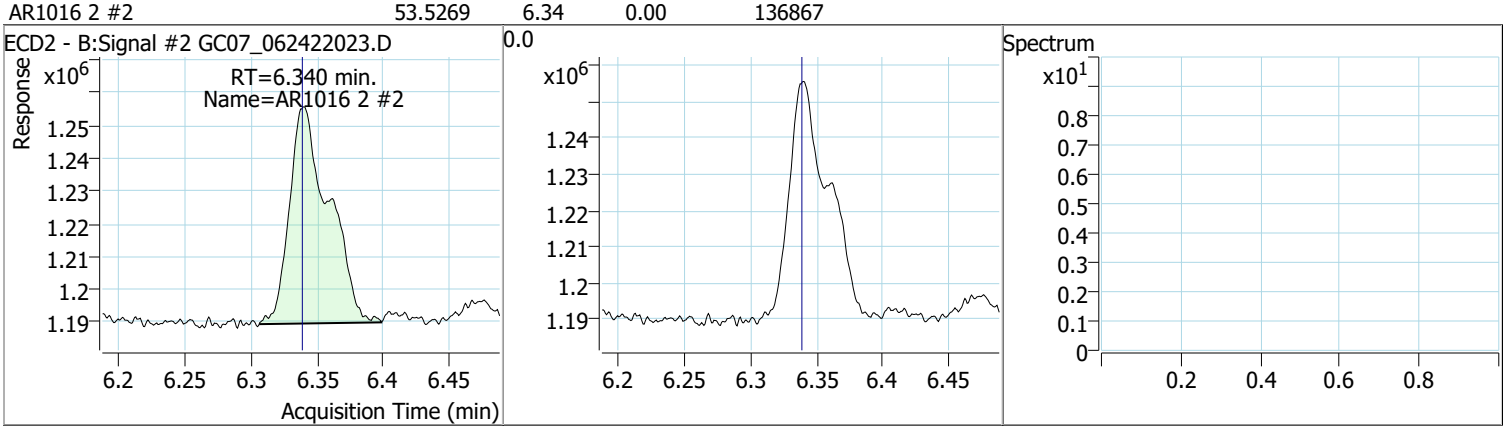
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	51.2128	5.90	0.00	60137				



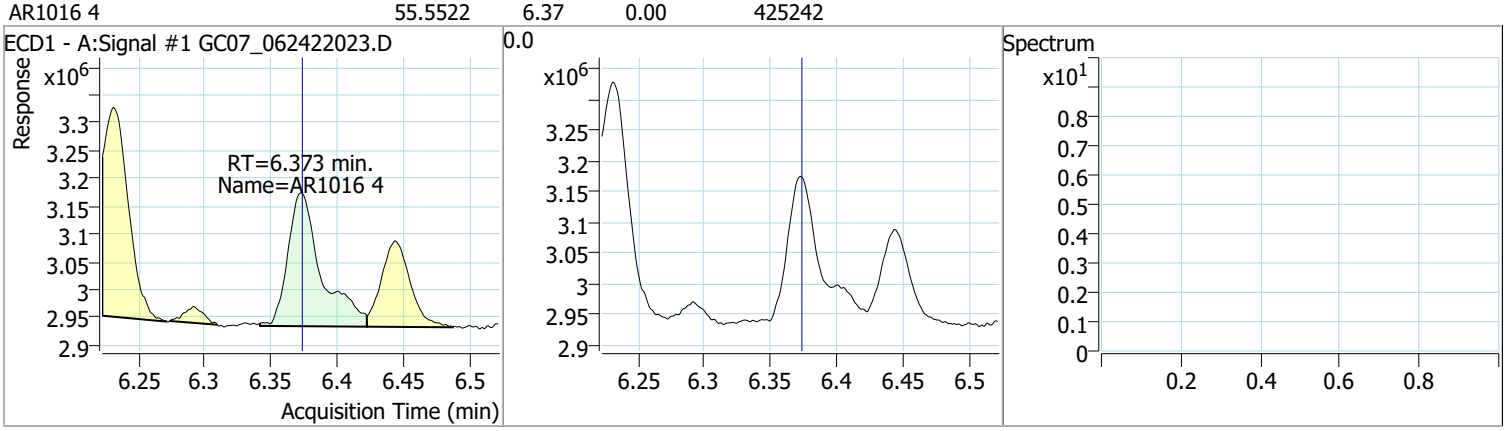
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	56.2764	6.23	0.00	599054				



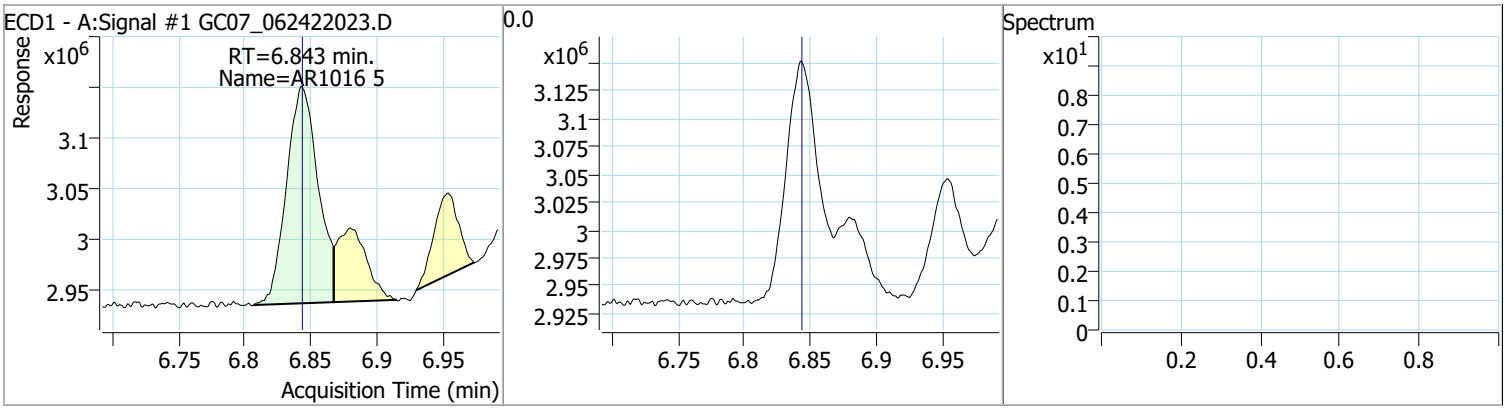
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	53.5269	6.34	0.00	136867				



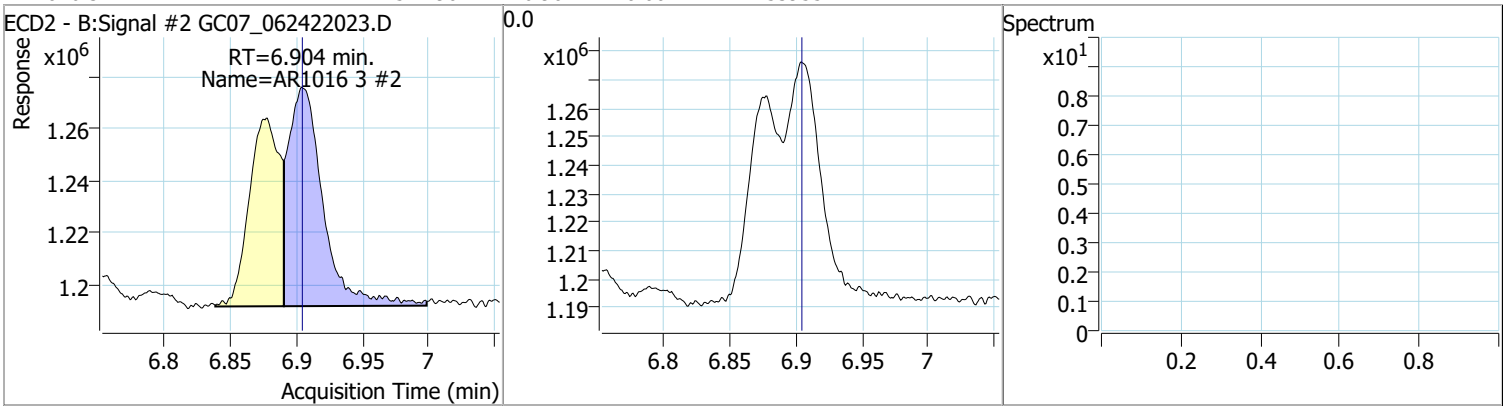
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	55.5522	6.37	0.00	425242				



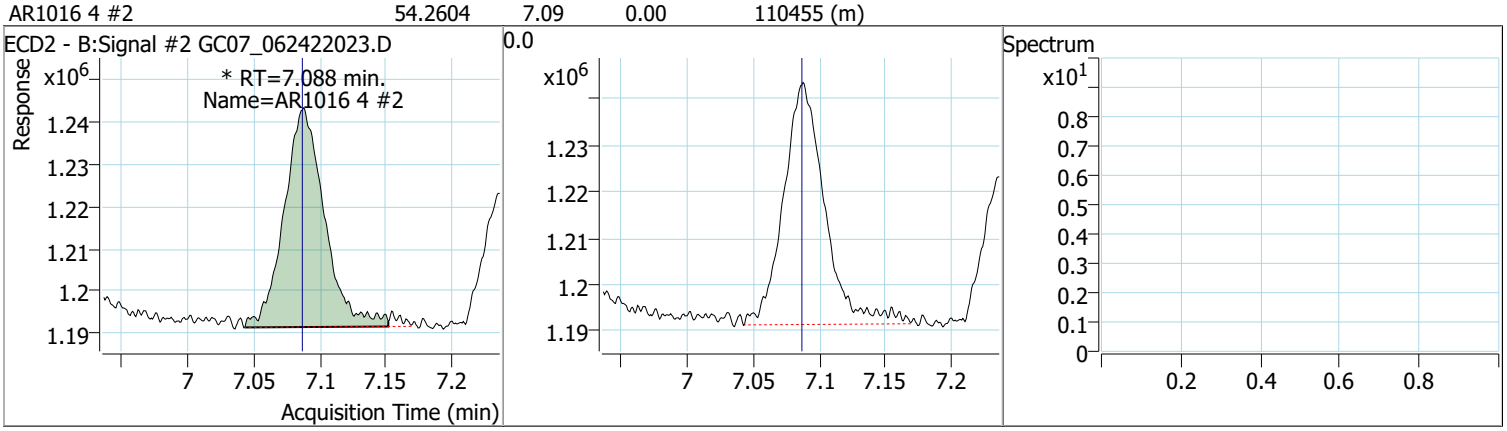
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	55.8492	6.84	0.00	356106				



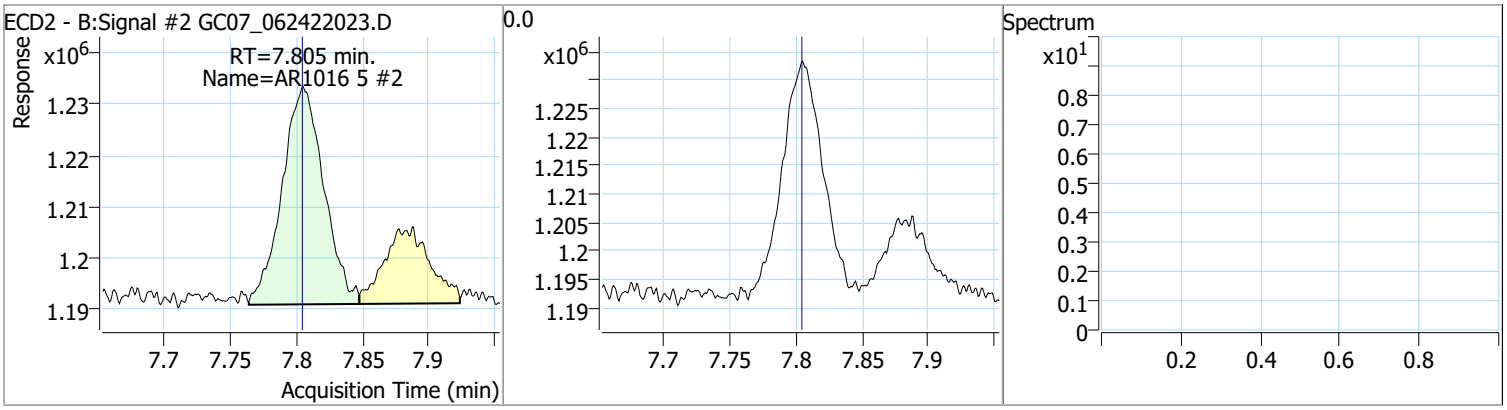
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	52.4901	6.90	0.00	153955				



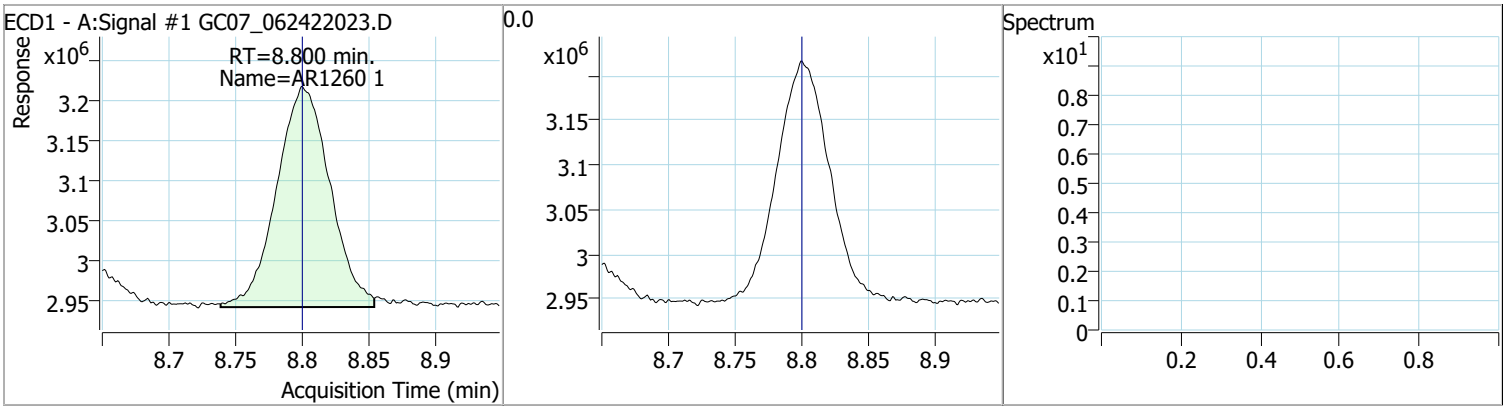
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	54.2604	7.09	0.00	110455 (m)				



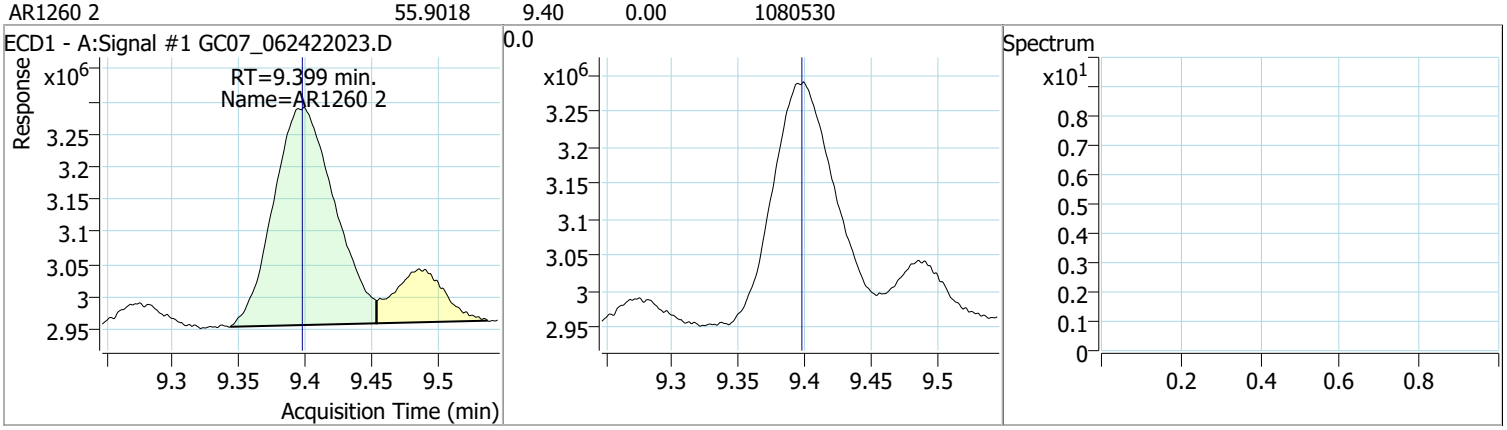
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	54.4514	7.81	0.00	92593				



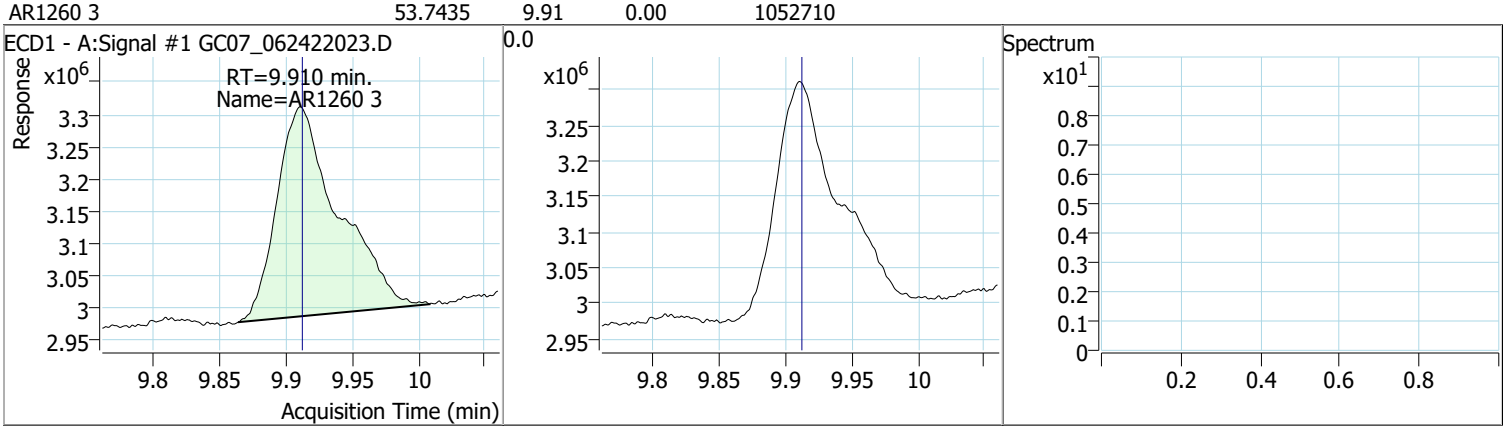
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	56.6516	8.80	0.00	762811				



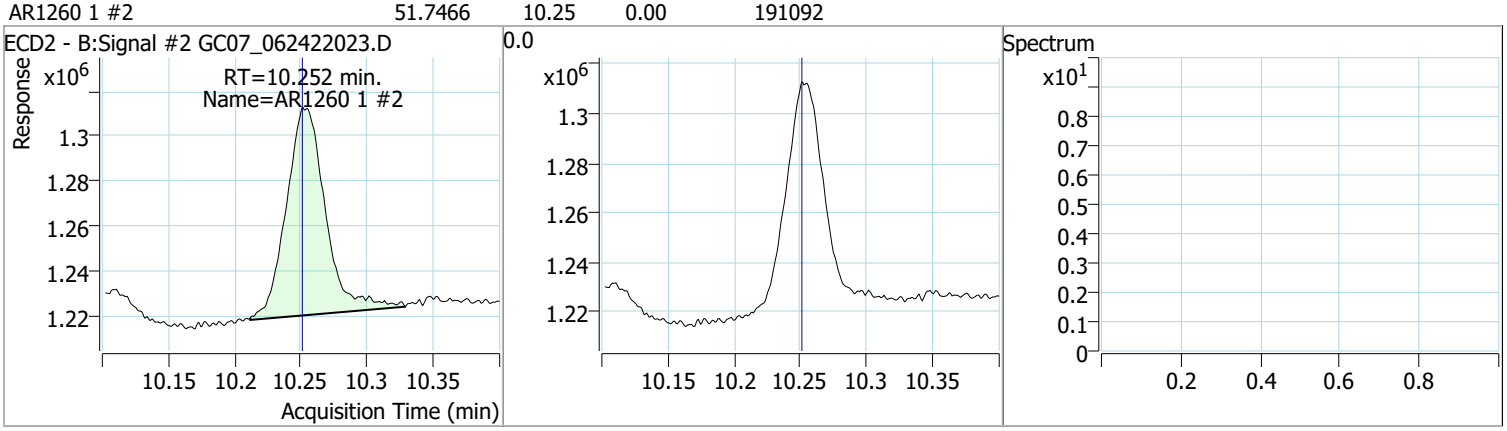
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	55.9018	9.40	0.00	1080530				



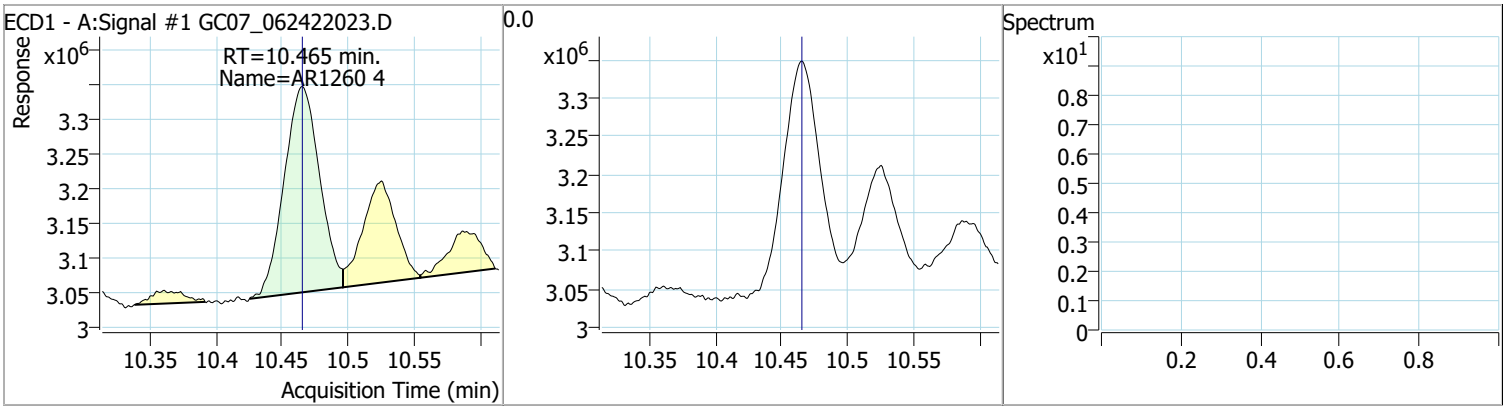
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	53.7435	9.91	0.00	1052710				



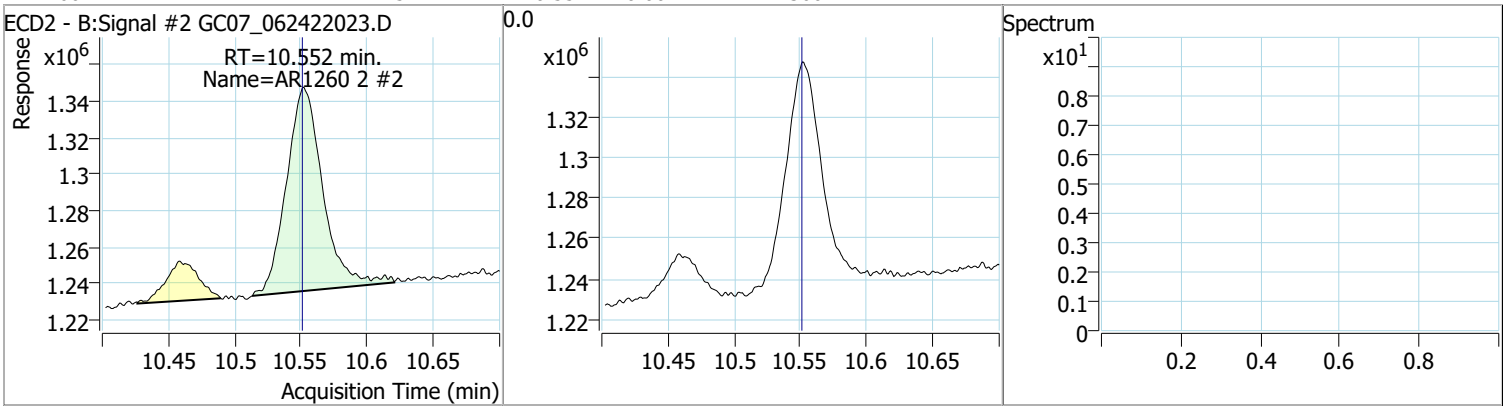
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	51.7466	10.25	0.00	191092				



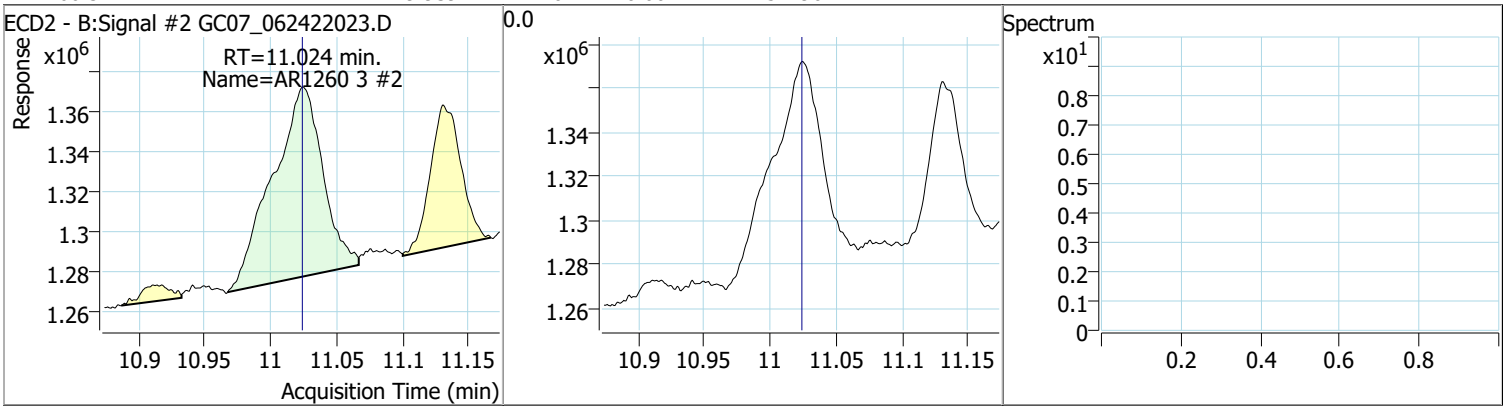
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	55.4537	10.47	0.00	555279				



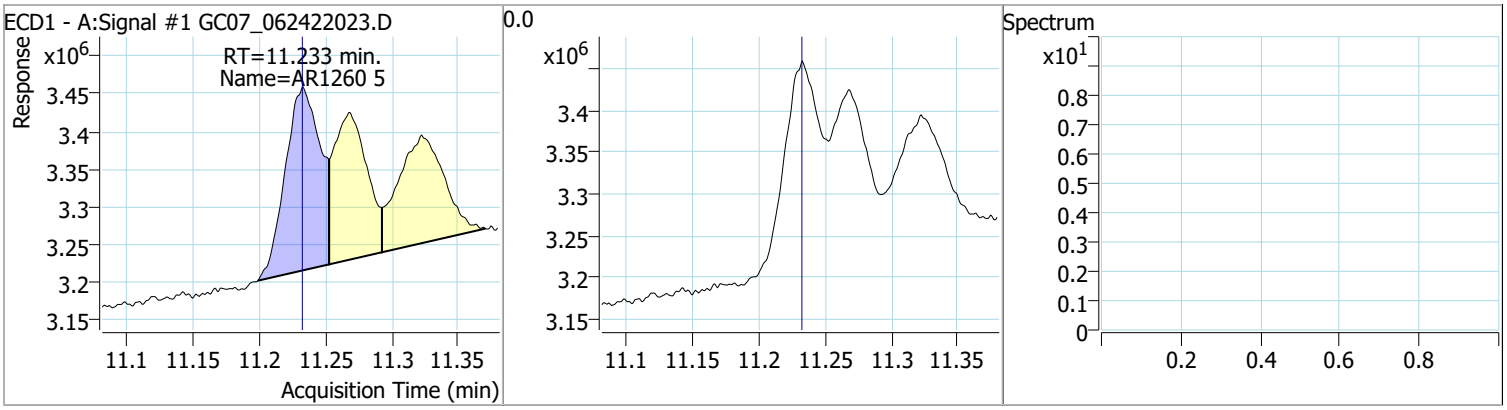
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	52.2477	10.55	0.00	214360				



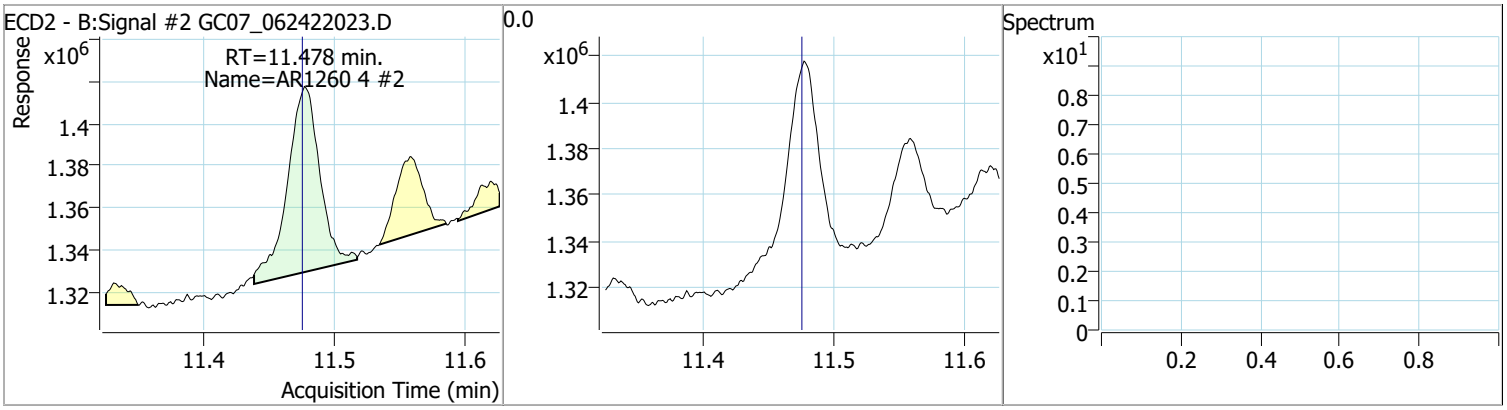
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	49.9394	11.02	0.00	252190				



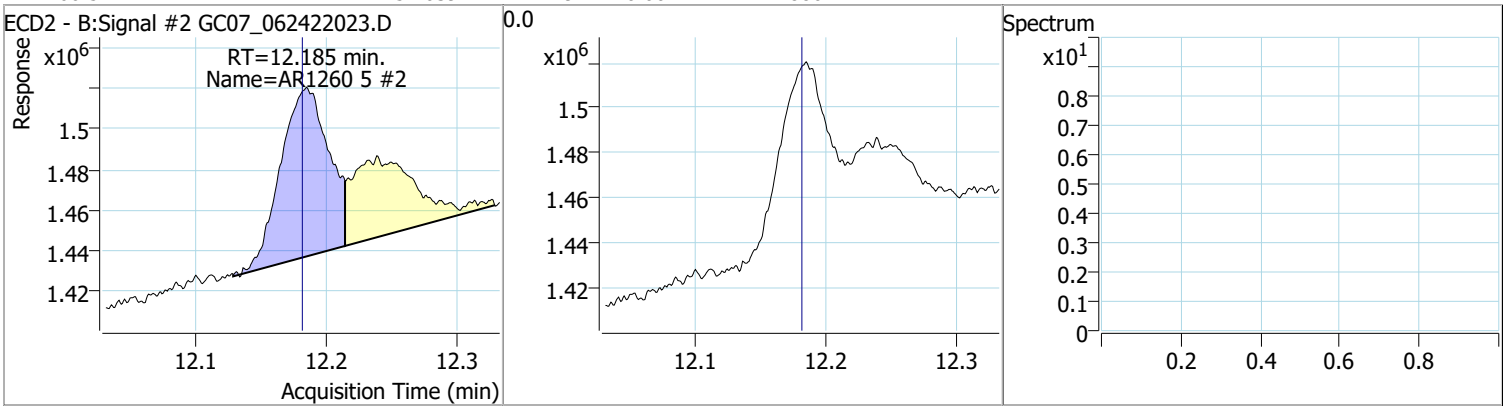
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	48.2882	11.23	0.00	443922				



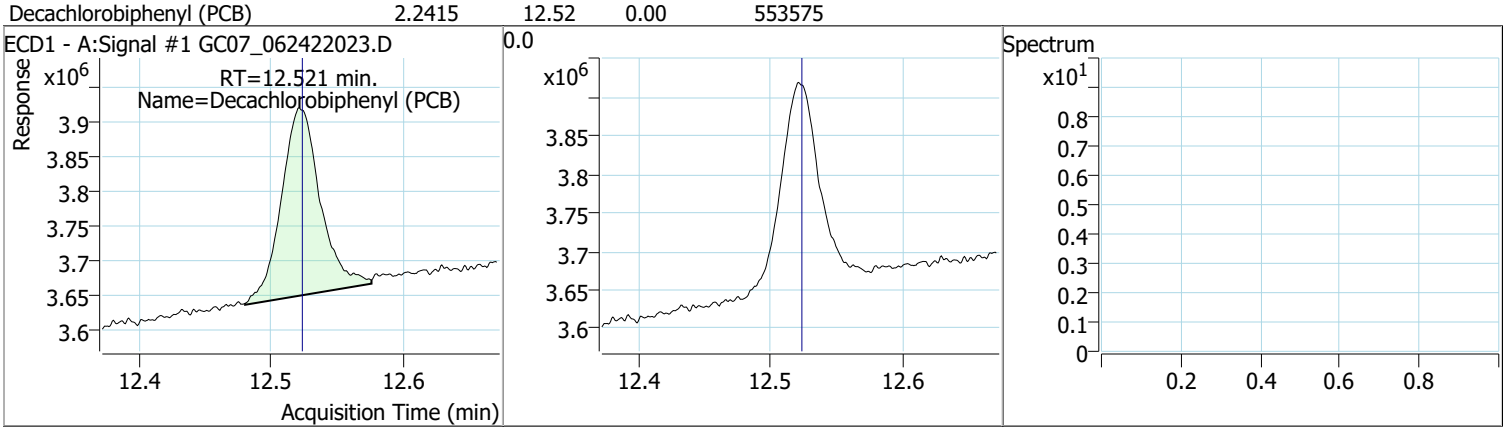
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	53.4472	11.48	0.00	151432				



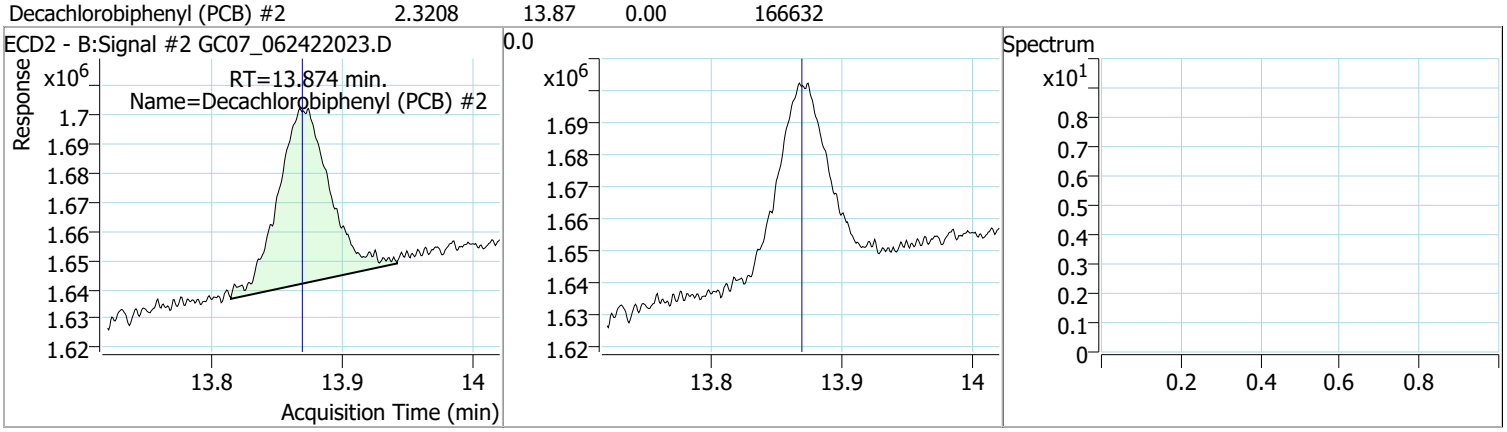
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	52.0391	12.19	0.00	211880				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	2.2415	12.52	0.00	553575				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	2.3208	13.87	0.00	166632				



Quantitation Results Report (Not Reviewed)

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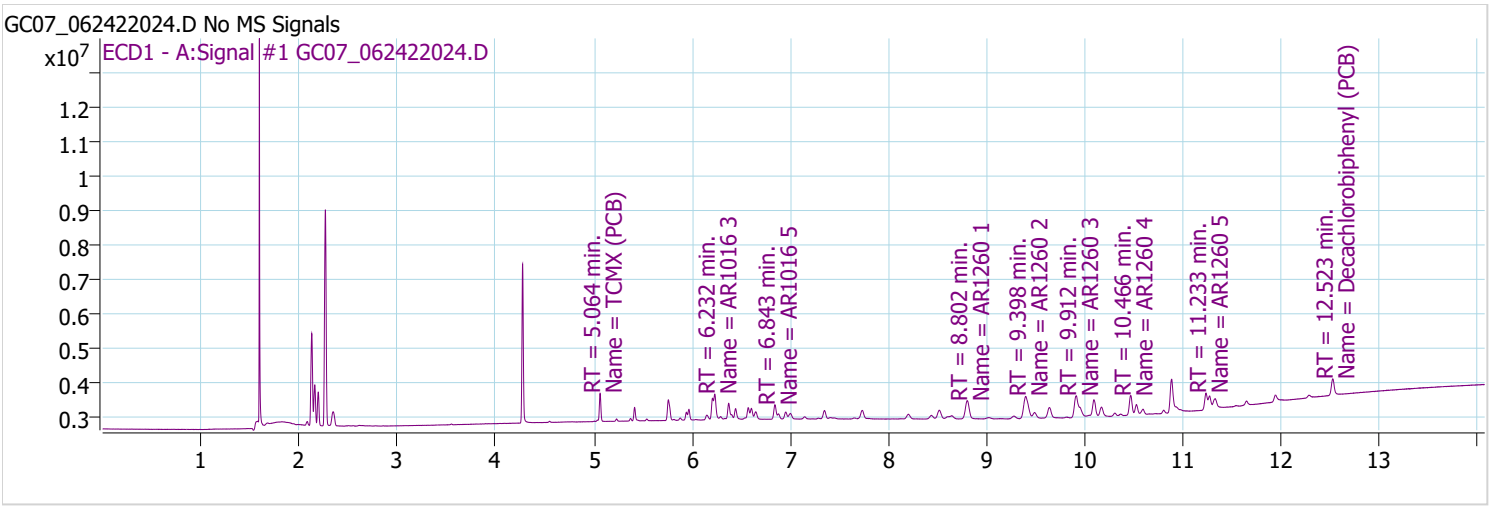
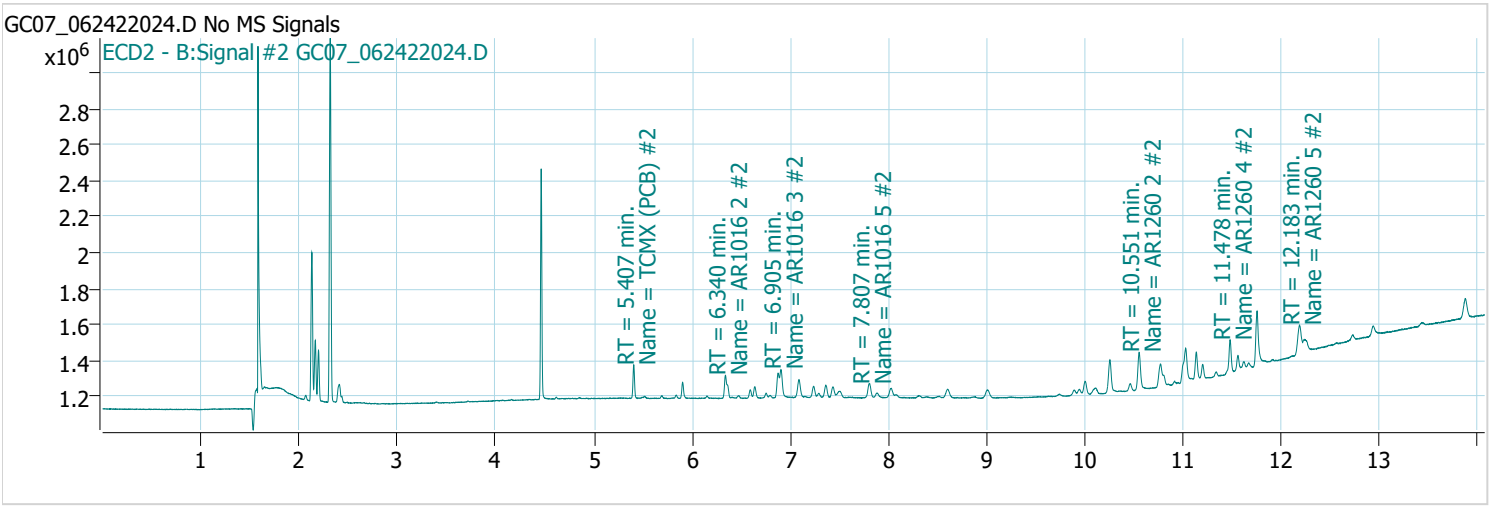
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 1:14:39 AM
Sample Name	ICAL, S16726, 20	Instrument	SVOA-GC07
Vial	13	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	100 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



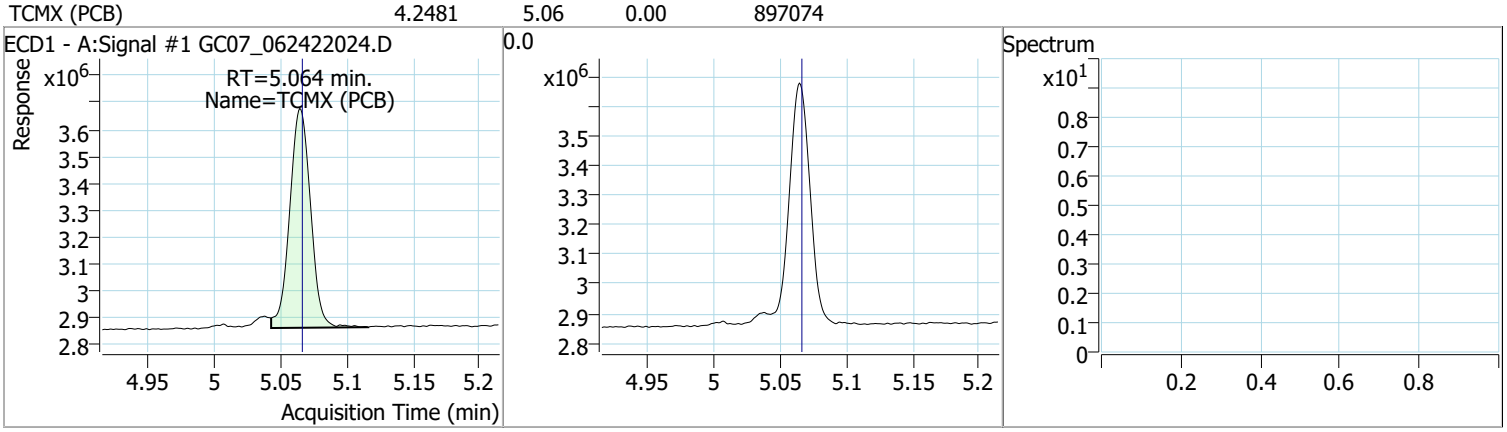


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.276	0.0	4477306.180	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.465	0.0	1187910.331	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.064	0.0	897074.472	4.2481	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 21.24%		*	
S TCMX (PCB) #2	5.407	0.0	207842.683	3.8553	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 19.28%		*	
S Decachlorobiphenyl (PCB)	12.523	0.0	1020372.834	4.0797	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.40%		*	
S Decachlorobiphenyl (PCB) #2	13.872	0.0	283373.502	3.8740	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 19.37%		*	
Target Compounds							**QValue**
T AR1016 1	5.416	0.0	447483.970	104.1784	ng/ml	m	100

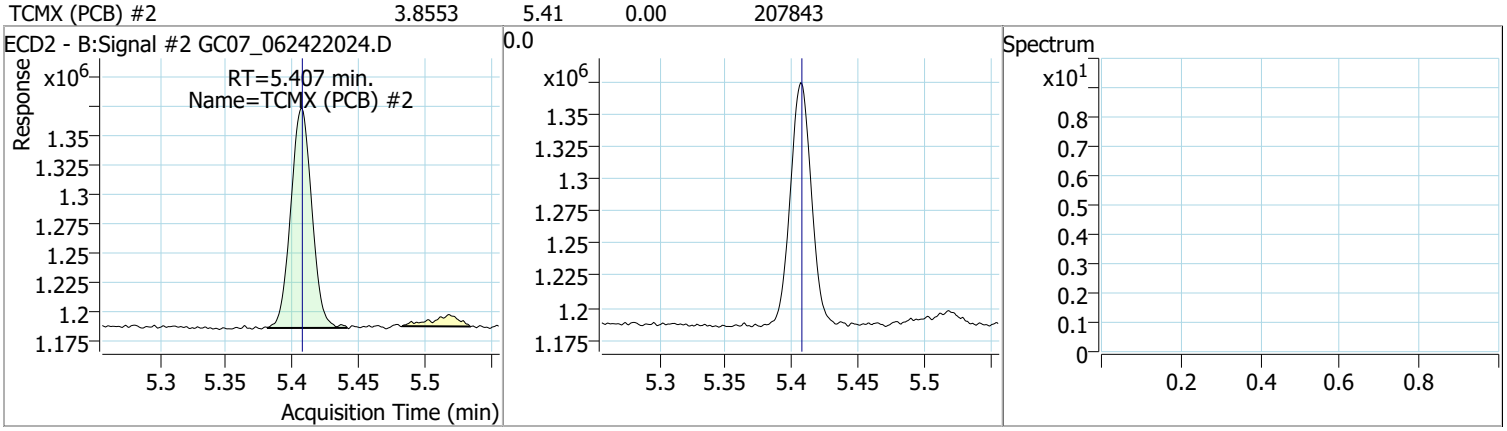
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.759	0.0	1039822.120	111.6954	ng/ml		100
T AR1016 1 #2	5.904	0.0	121966.911	101.9547	ng/ml		100
T AR1016 3	6.232	0.0	1159159.631	107.5266	ng/ml	m	100
T AR1016 2 #2	6.340	0.0	268047.434	102.8992	ng/ml		100
T AR1016 4	6.373	0.0	826298.381	106.5893	ng/ml	m	100
T AR1016 5	6.843	0.0	711331.722	110.1594	ng/ml		100
T AR1016 3 #2	6.905	0.0	297027.731	99.4047	ng/ml		100
T AR1016 4 #2	7.089	0.0	207364.114	99.9900	ng/ml		100
T AR1016 5 #2	7.807	0.0	174426.651	100.6866	ng/ml		100
T AR1260 1	8.802	0.0	1485443.579	108.9338	ng/ml		100
T AR1260 2	9.398	0.0	2110918.071	107.8380	ng/ml		100
T AR1260 3	9.912	0.0	2088066.579	105.2624	ng/ml		100
T AR1260 1 #2	10.254	0.0	386725.864	102.7941	ng/ml		100
T AR1260 4	10.466	0.0	1085118.256	107.0060	ng/ml		100
T AR1260 2 #2	10.551	0.0	429919.183	102.8573	ng/ml		100
T AR1260 3 #2	11.025	0.0	494668.368	96.1515	ng/ml		100
T AR1260 5	11.233	0.0	915842.814	98.3710	ng/ml		100
T AR1260 4 #2	11.478	0.0	281667.470	97.5818	ng/ml		100
T AR1260 5 #2	12.183	0.0	402682.110	97.0795	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

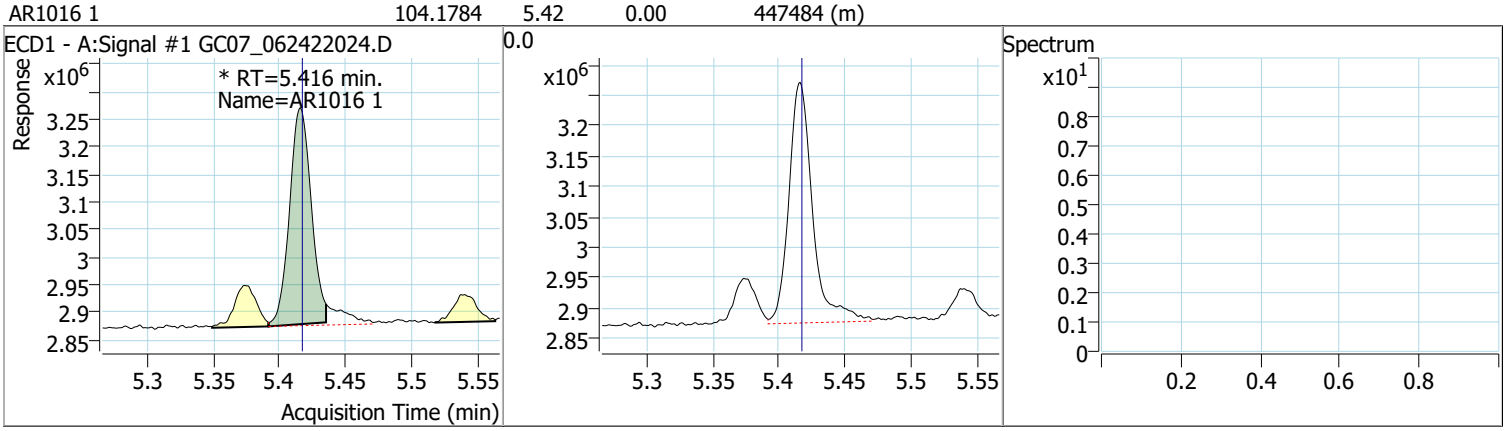
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	4.2481	5.06	0.00	897074				



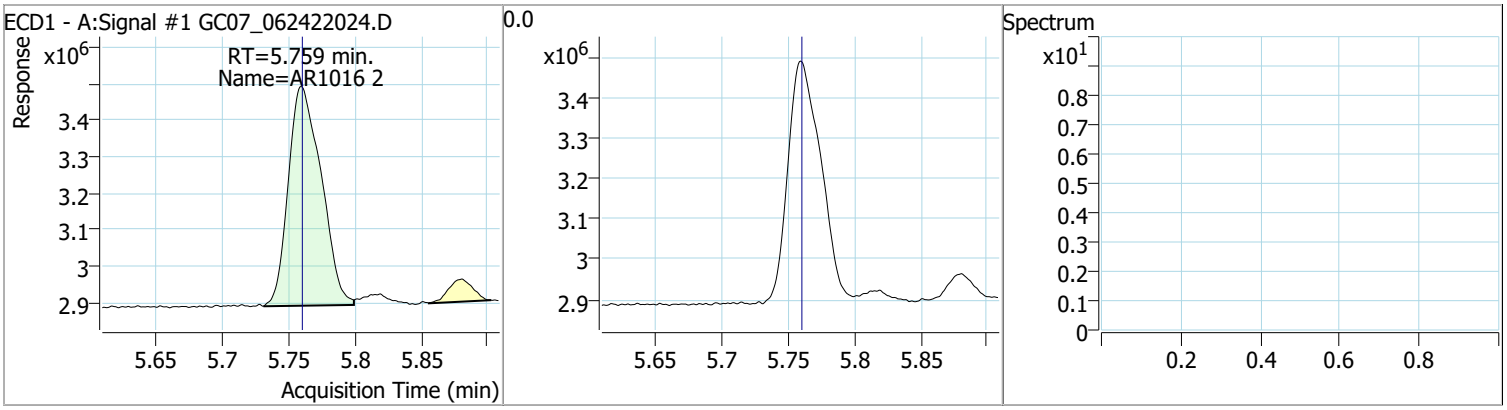
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	3.8553	5.41	0.00	207843				



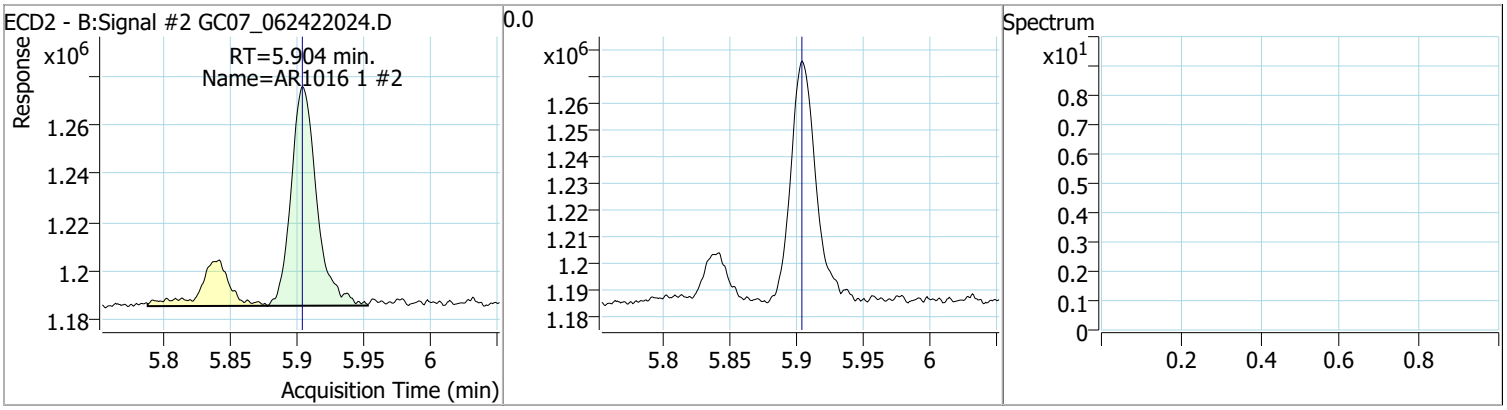
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	104.1784	5.42	0.00	447484 (m)				



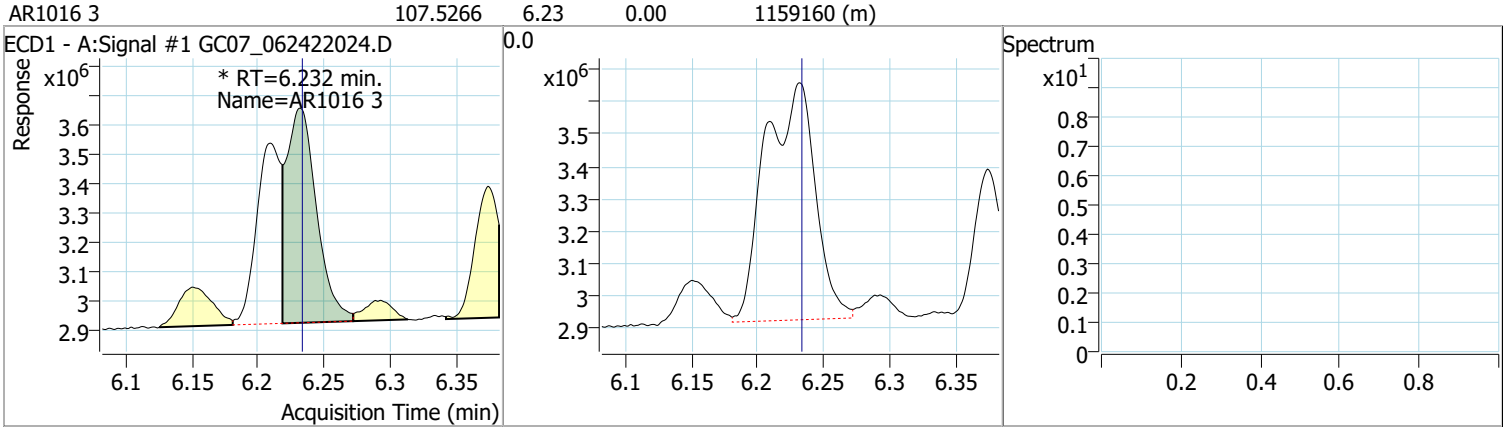
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	111.6954	5.76	0.00	1039822				



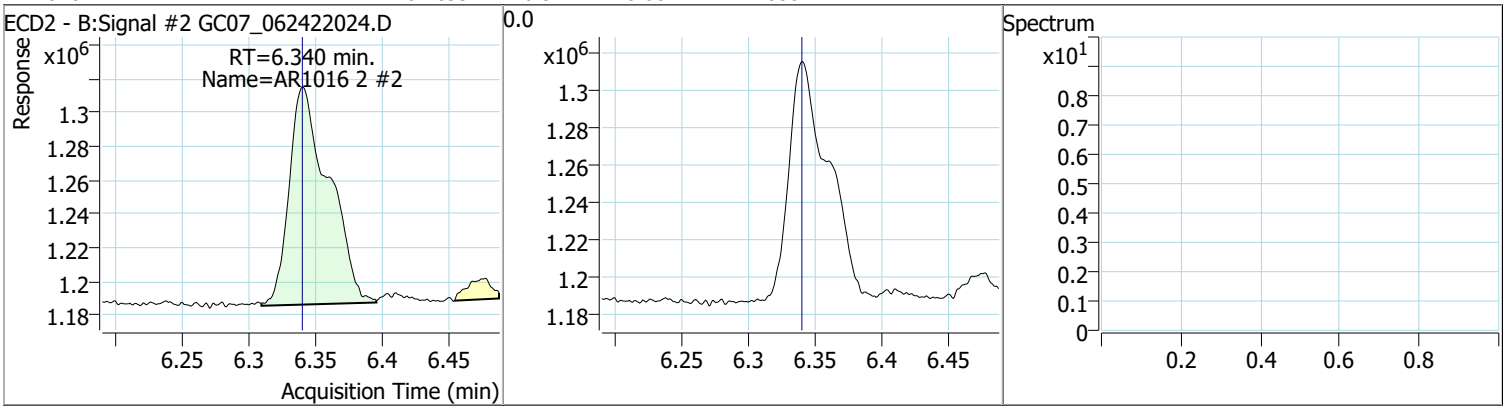
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	101.9547	5.90	0.00	121967				



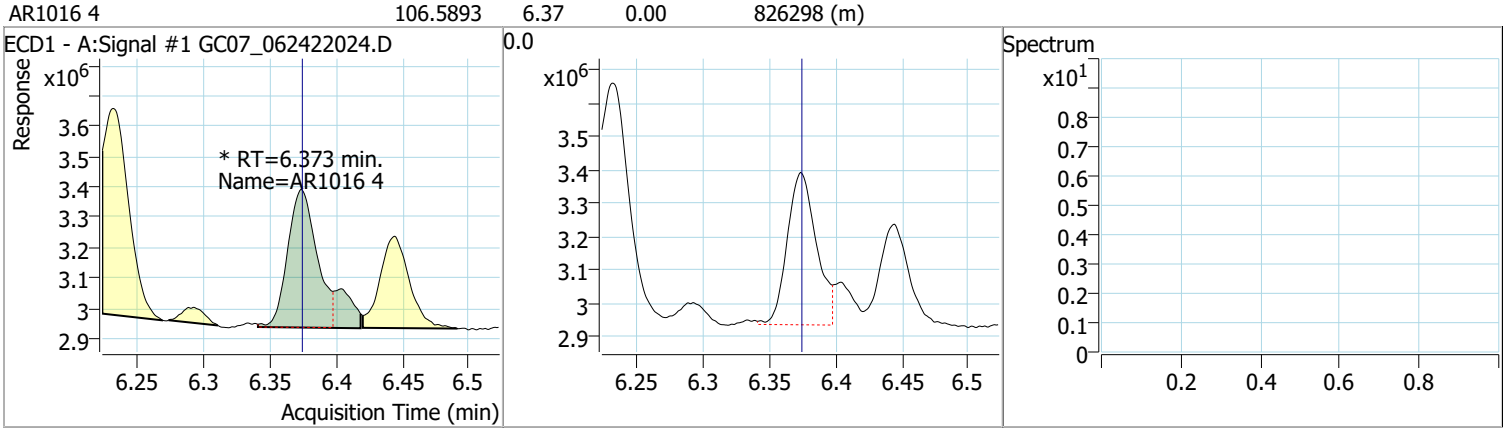
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	107.5266	6.23	0.00	1159160 (m)				



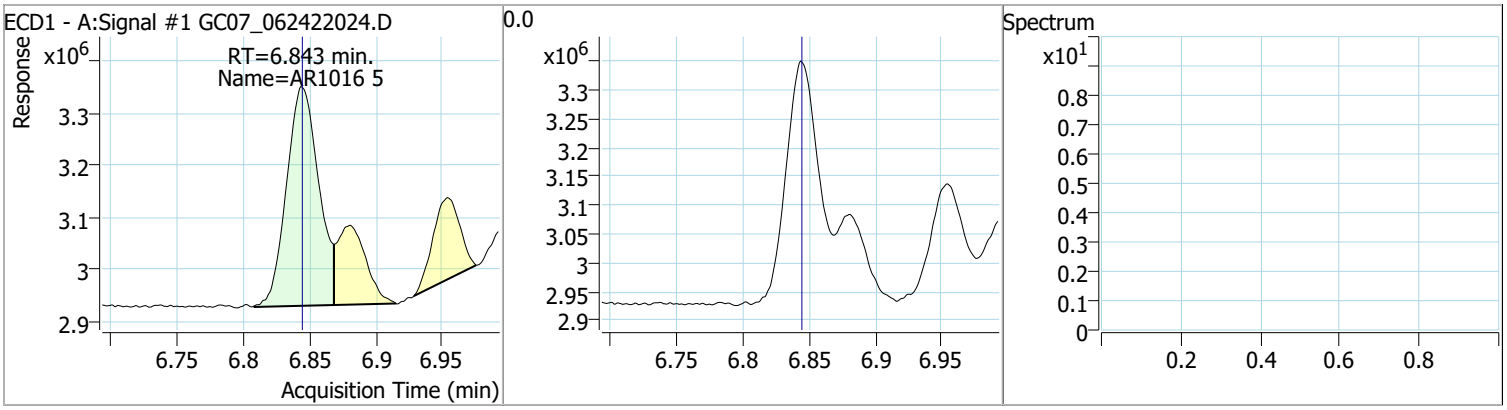
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	102.8992	6.34	0.00	268047				



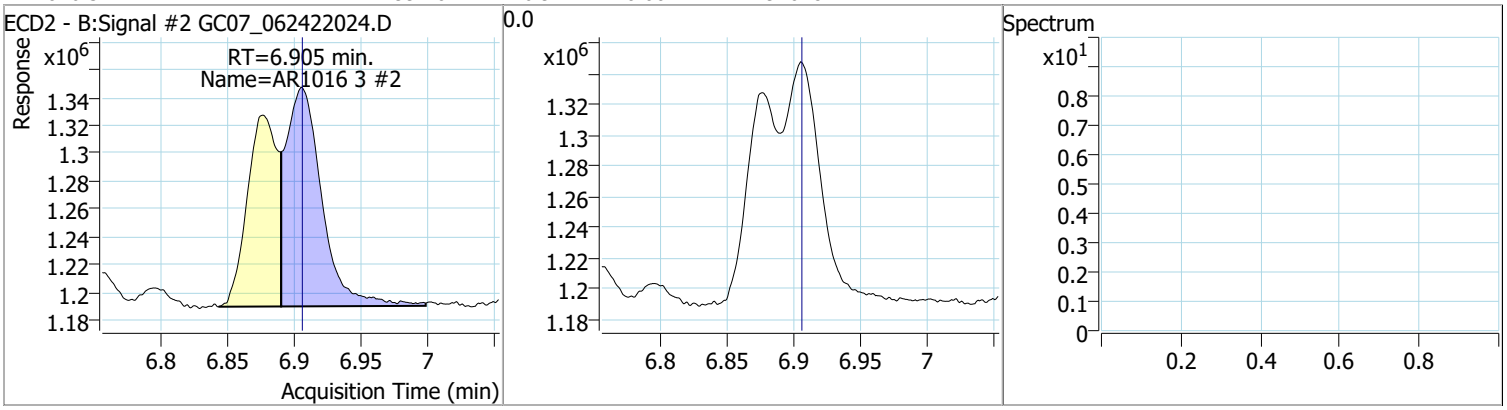
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	106.5893	6.37	0.00	826298 (m)				



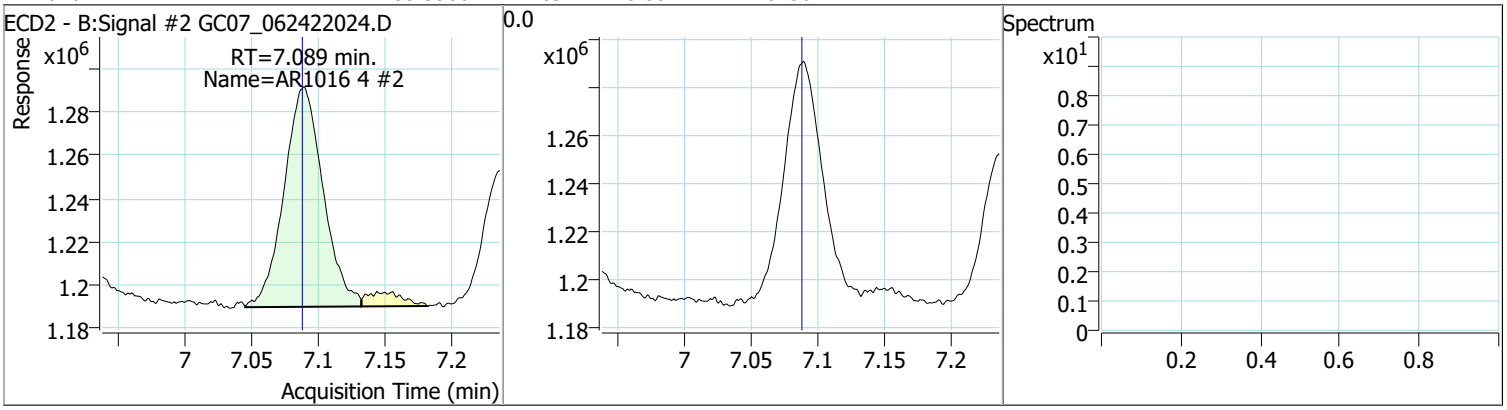
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	110.1594	6.84	0.00	711332				



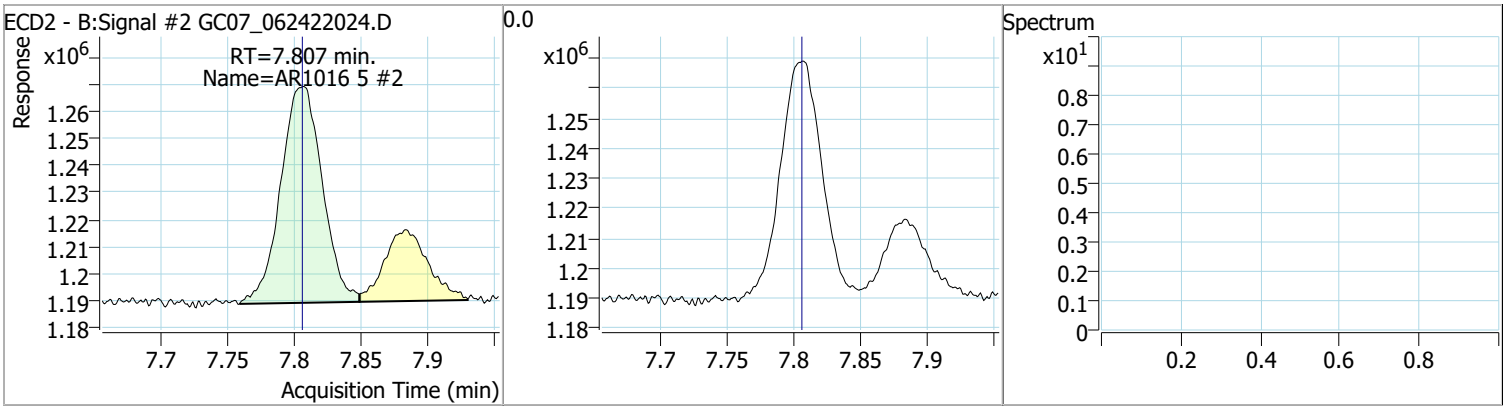
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	99.4047	6.91	0.00	297028				



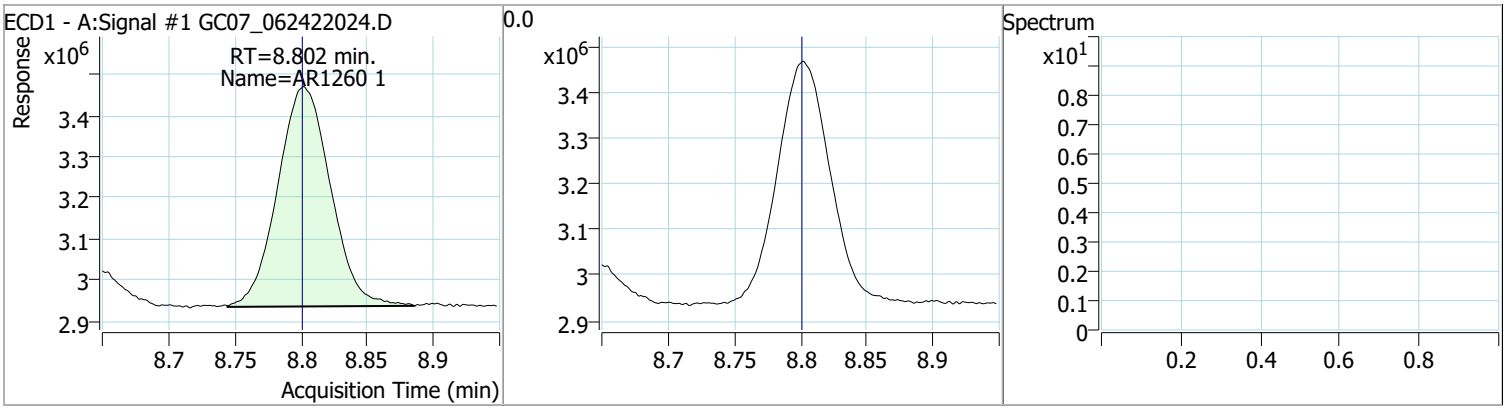
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	99.9900	7.09	0.00	207364				



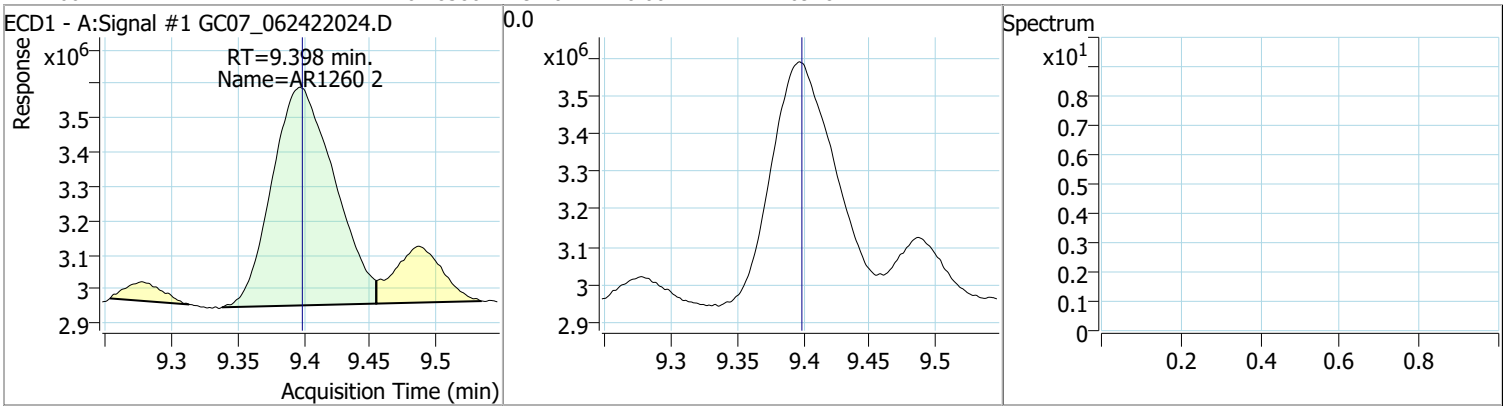
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	100.6866	7.81	0.00	174427				



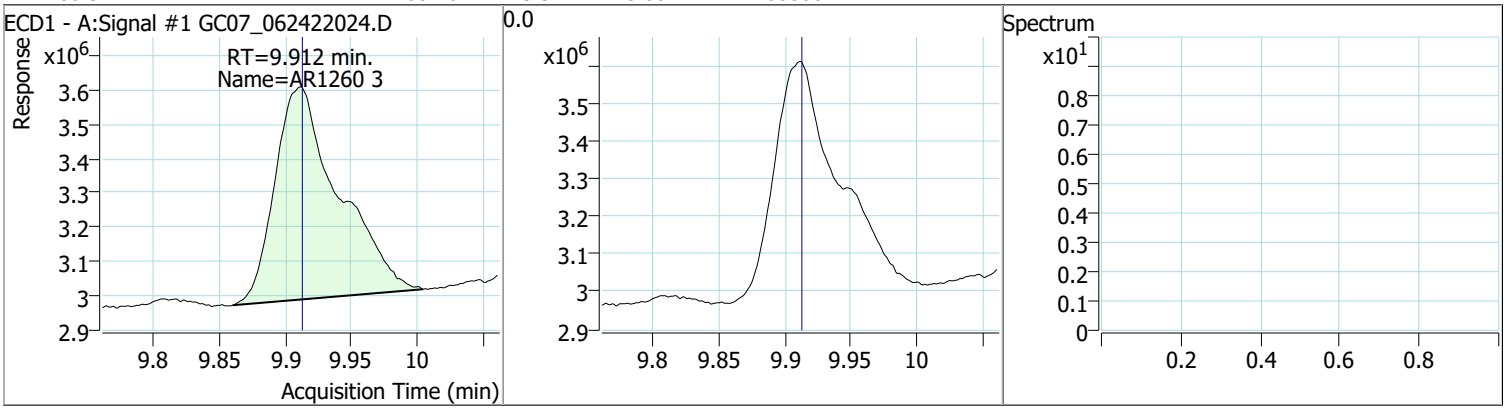
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	108.9338	8.80	0.00	1485444				



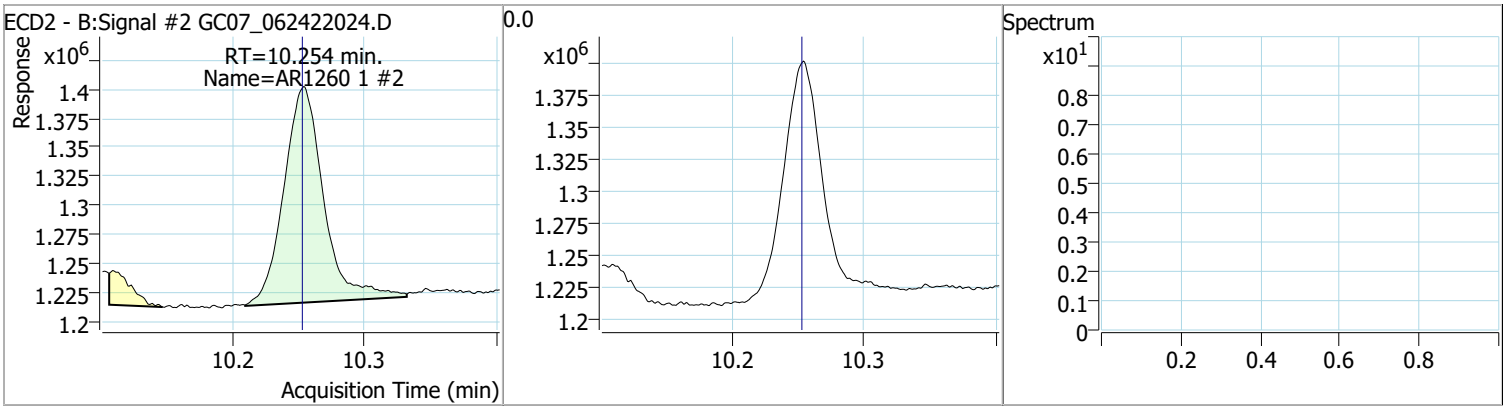
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	107.8380	9.40	0.00	2110918				



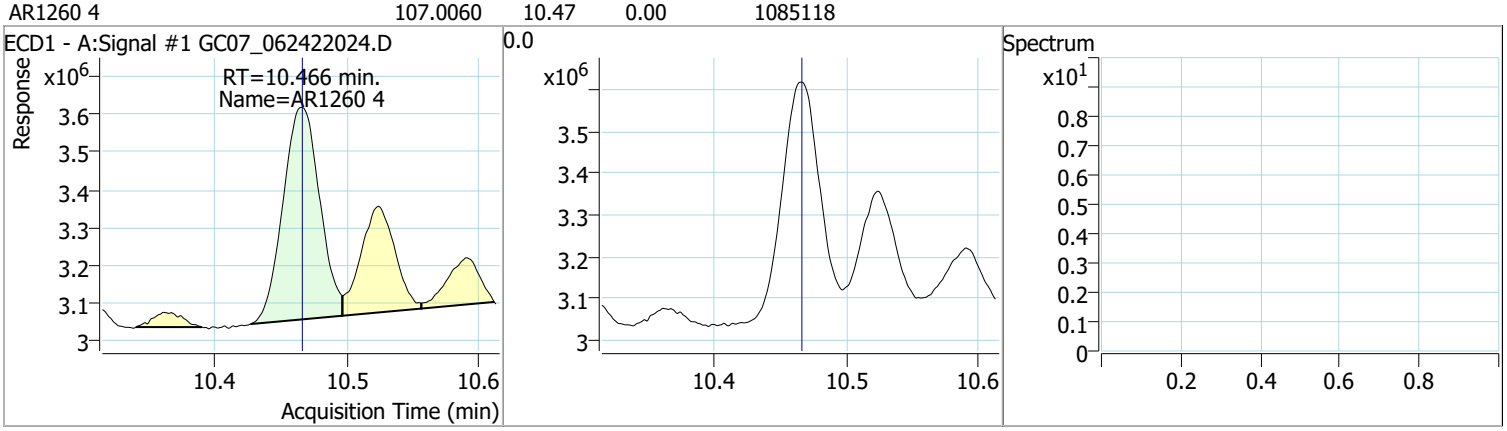
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	105.2624	9.91	0.00	2088067				



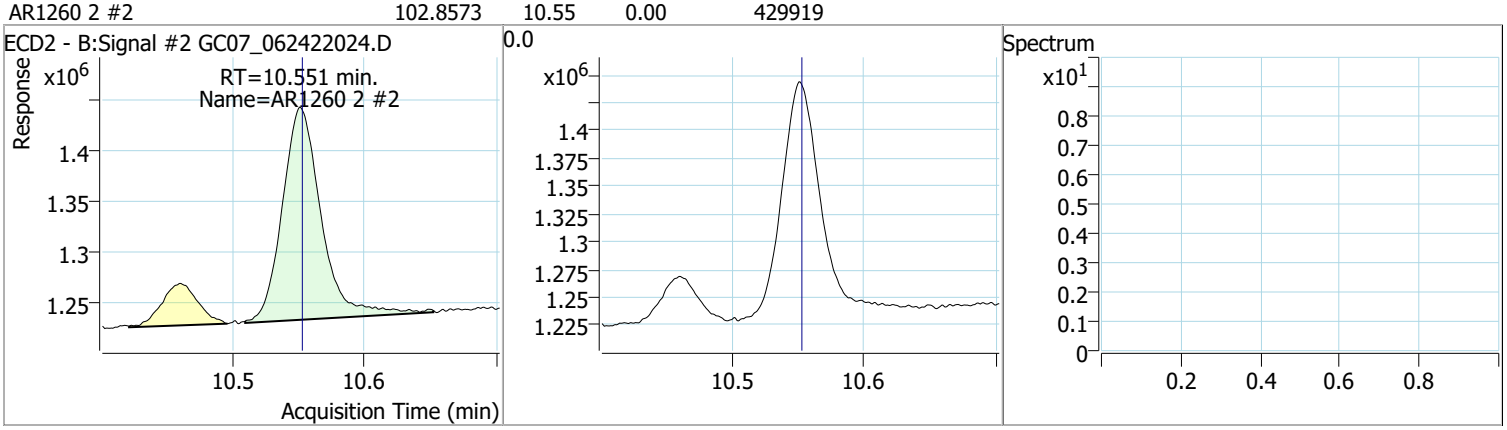
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	102.7941	10.25	0.00	386726				



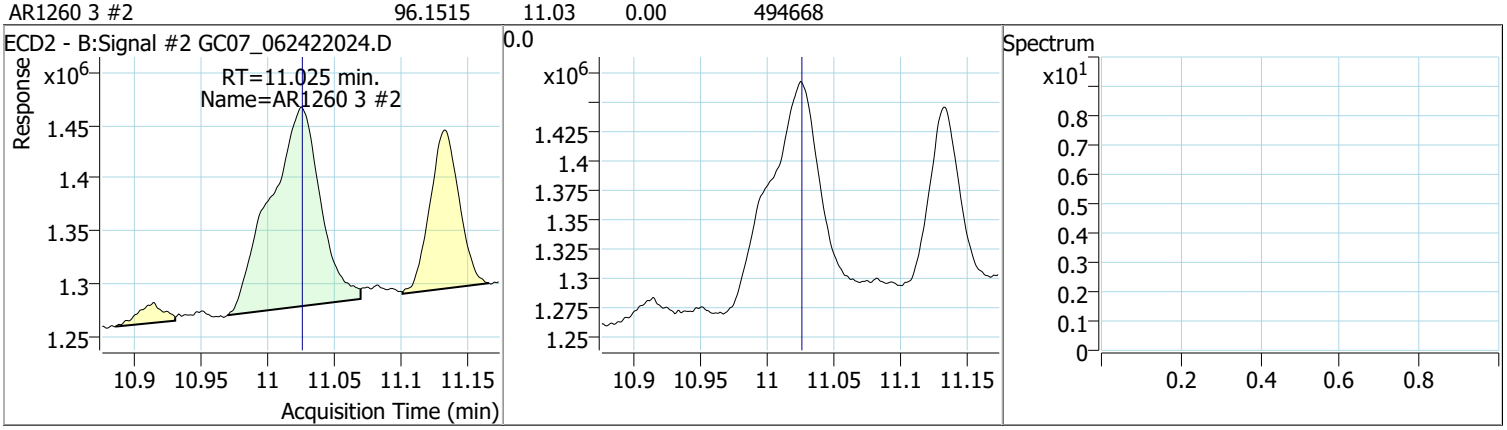
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	107.0060	10.47	0.00	1085118				



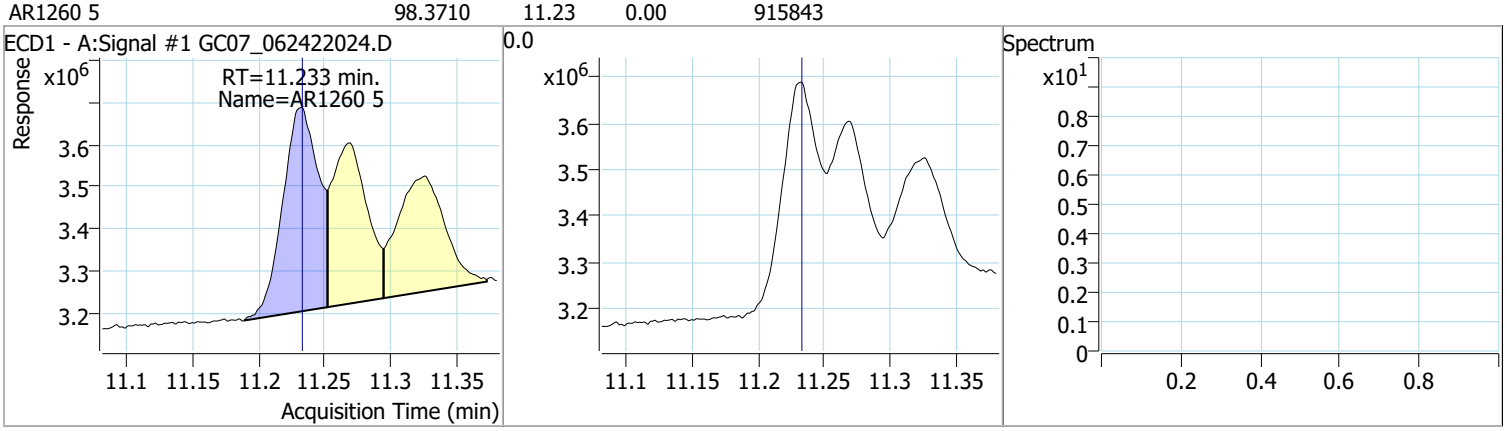
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	102.8573	10.55	0.00	429919				



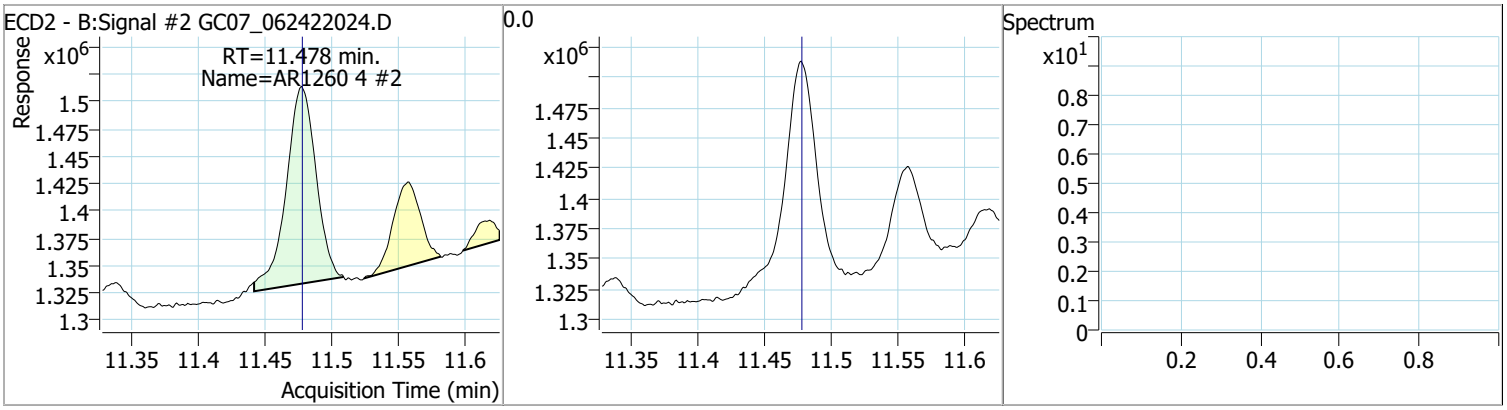
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	96.1515	11.03	0.00	494668				



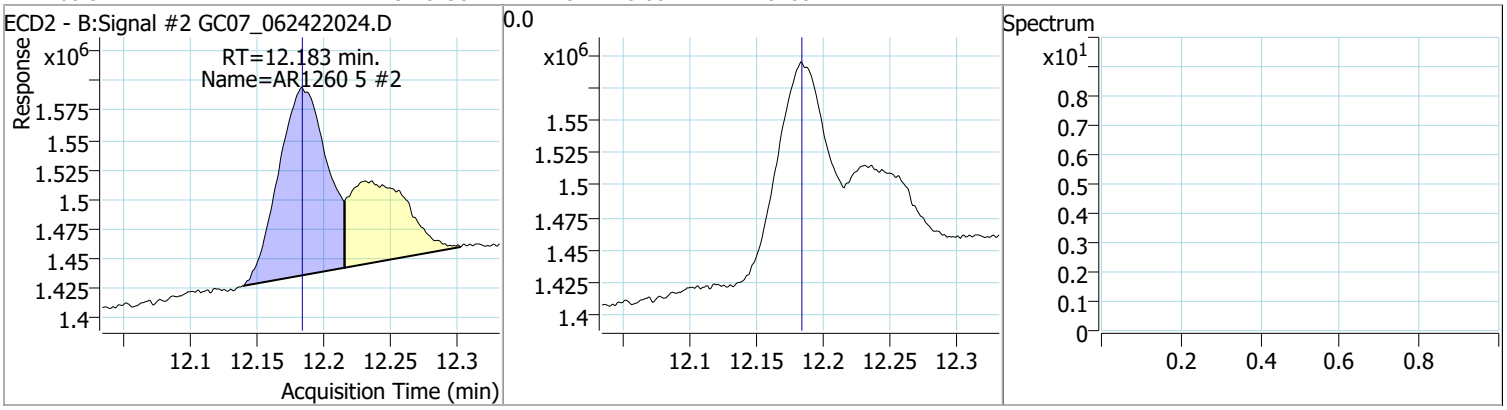
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	98.3710	11.23	0.00	915843				



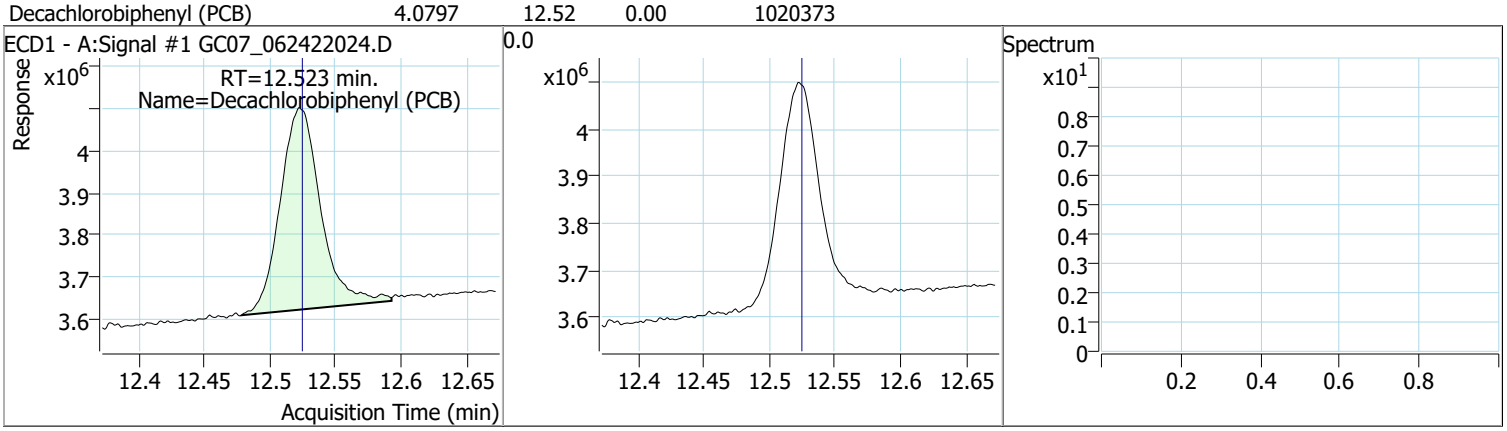
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	97.5818	11.48	0.00	281667				



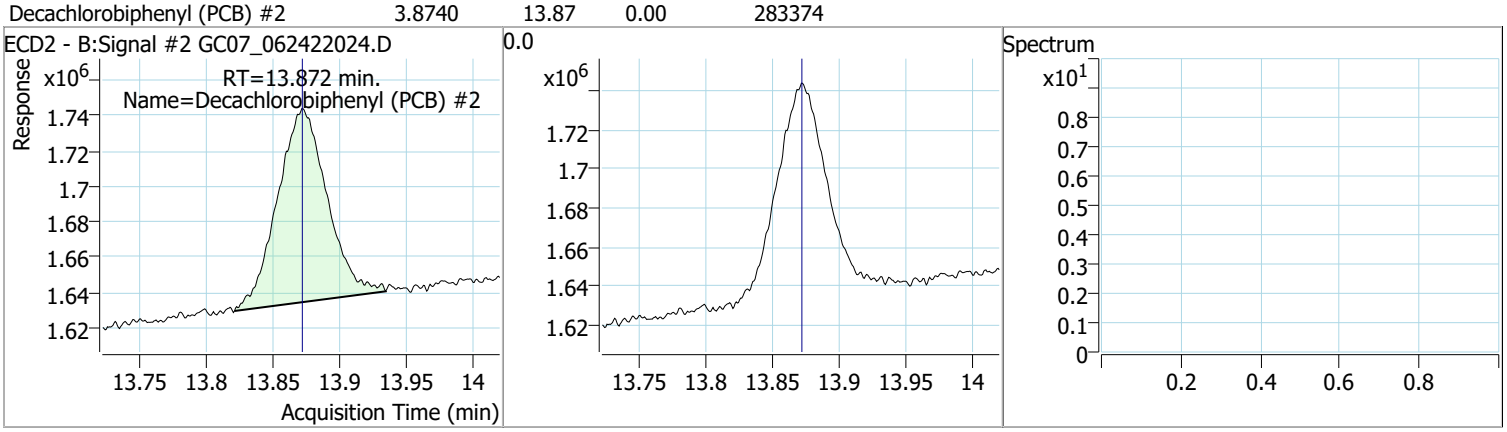
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	97.0795	12.18	0.00	402682				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	4.0797	12.52	0.00	1020373				

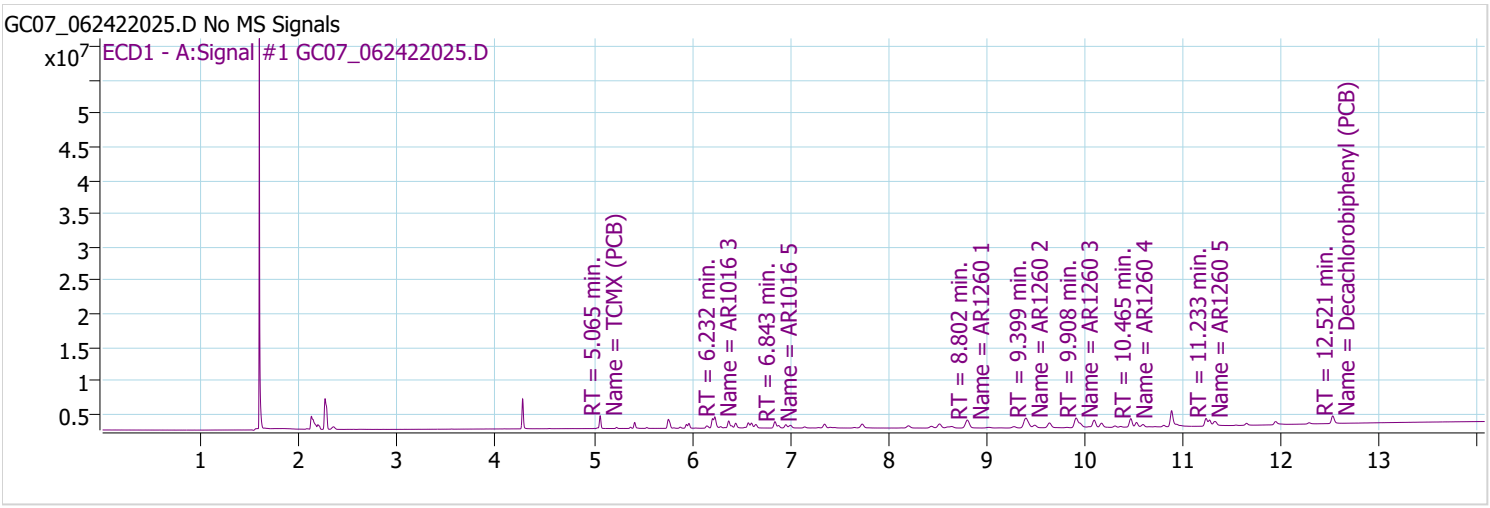


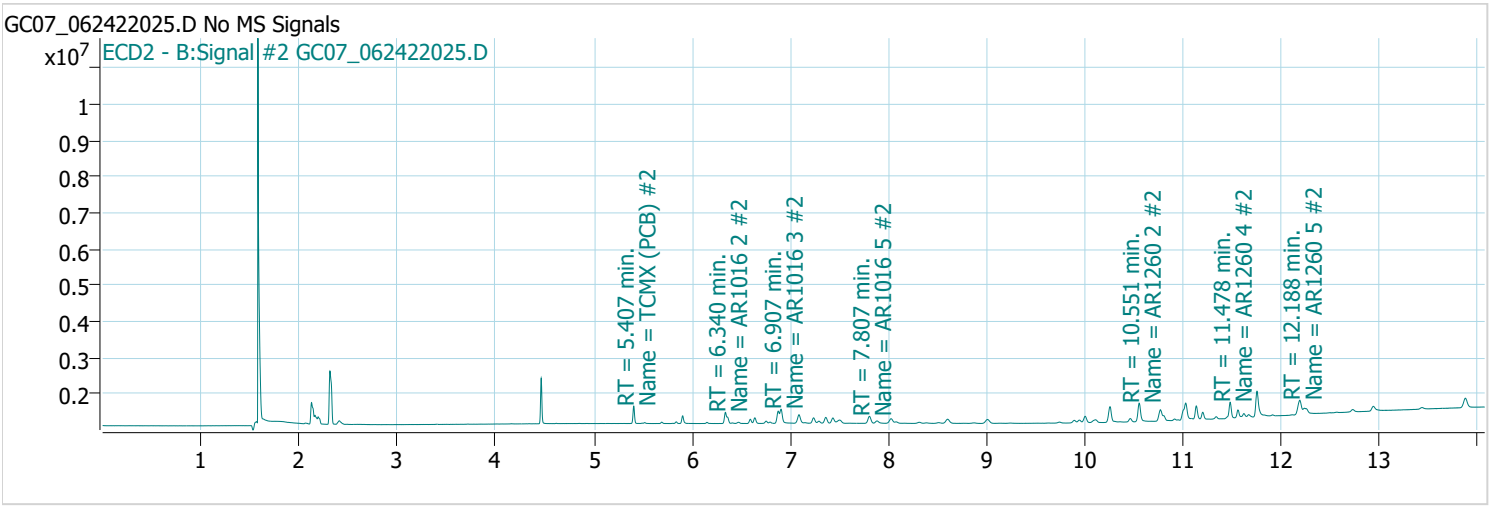
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	3.8740	13.87	0.00	283374				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422025.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 1:32:08 AM
Sample Name	ICAL, S16726, 8	Instrument	SVOA-GC07
Vial	14	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	250 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



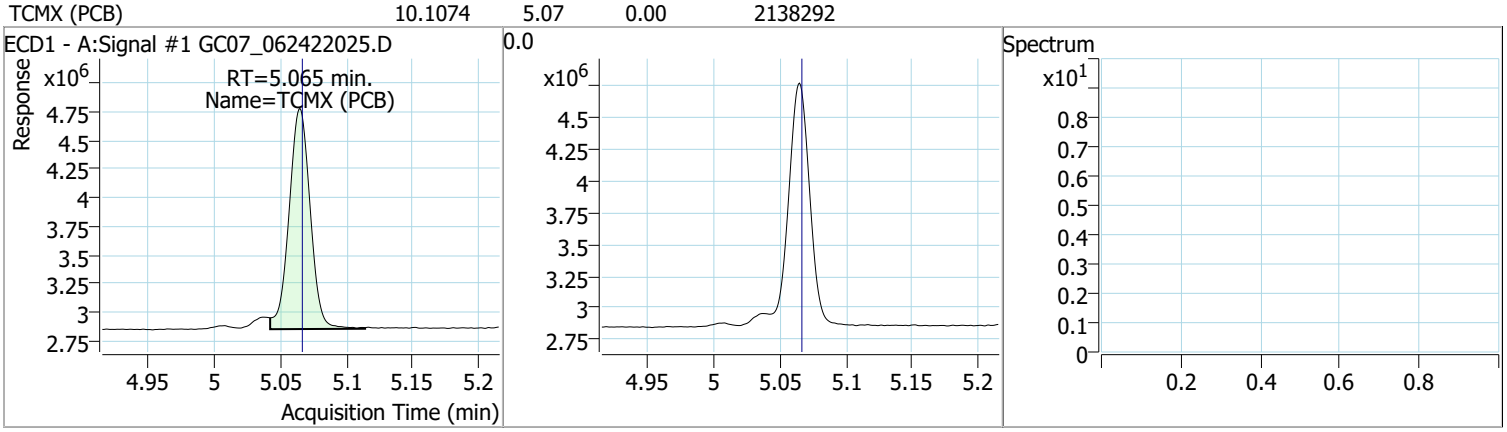


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.277	0.0	4485448.975	20.0000	ng/ml		0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.465	0.0	1179526.258	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.065	0.0	2138291.874	10.1074	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 50.54%			
S TCMX (PCB) #2	5.407	0.0	523555.279	9.7806	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 48.90%		*	
S Decachlorobiphenyl (PCB)	12.521	0.0	2447732.203	9.7689	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 48.84%		*	
S Decachlorobiphenyl (PCB) #2	13.872	0.0	698876.563	9.6222	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 48.11%		*	
Target Compounds							QValue
T AR1016 1	5.416	0.0	1078573.648	250.6460	ng/ml	m	100

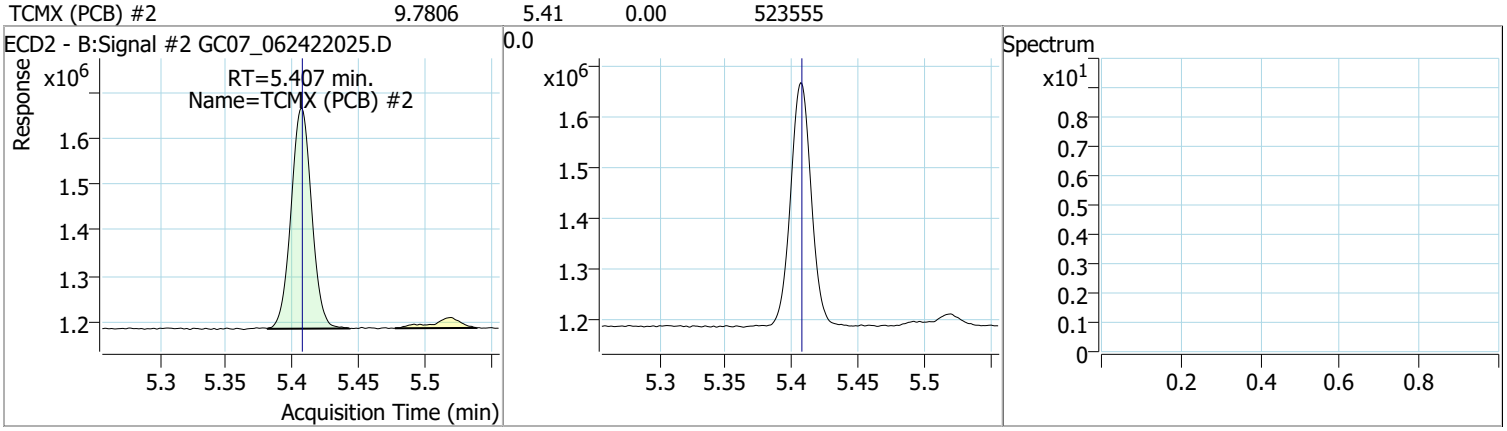
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.760	0.0	2410450.217	258.4552	ng/ml		100
T AR1016 1 #2	5.905	0.0	296542.047	249.6478	ng/ml		100
T AR1016 3	6.232	0.0	2621527.878	242.7381	ng/ml	m	100
T AR1016 2 #2	6.340	0.0	635021.073	245.5073	ng/ml		100
T AR1016 4	6.373	0.0	1952430.462	251.3988	ng/ml	m	100
T AR1016 5	6.843	0.0	1641918.732	253.8119	ng/ml		100
T AR1016 3 #2	6.907	0.0	705048.685	237.6321	ng/ml		100
T AR1016 4 #2	7.088	0.0	492036.073	238.9440	ng/ml		100
T AR1016 5 #2	7.807	0.0	413979.450	240.6654	ng/ml		100
T AR1260 1	8.802	0.0	3436520.896	251.5569	ng/ml		100
T AR1260 2	9.399	0.0	4842298.053	246.9236	ng/ml		100
T AR1260 3	9.908	0.0	4833210.812	243.2066	ng/ml		100
T AR1260 1 #2	10.254	0.0	909894.476	243.5747	ng/ml		100
T AR1260 4	10.465	0.0	2495136.099	245.6043	ng/ml		100
T AR1260 2 #2	10.551	0.0	1029646.159	248.0916	ng/ml		100
T AR1260 3 #2	11.025	0.0	1246365.279	243.9850	ng/ml		100
T AR1260 5	11.233	0.0	2109055.304	226.1231	ng/ml		100
T AR1260 4 #2	11.478	0.0	689677.964	240.6325	ng/ml		100
T AR1260 5 #2	12.188	0.0	976159.900	237.0076	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

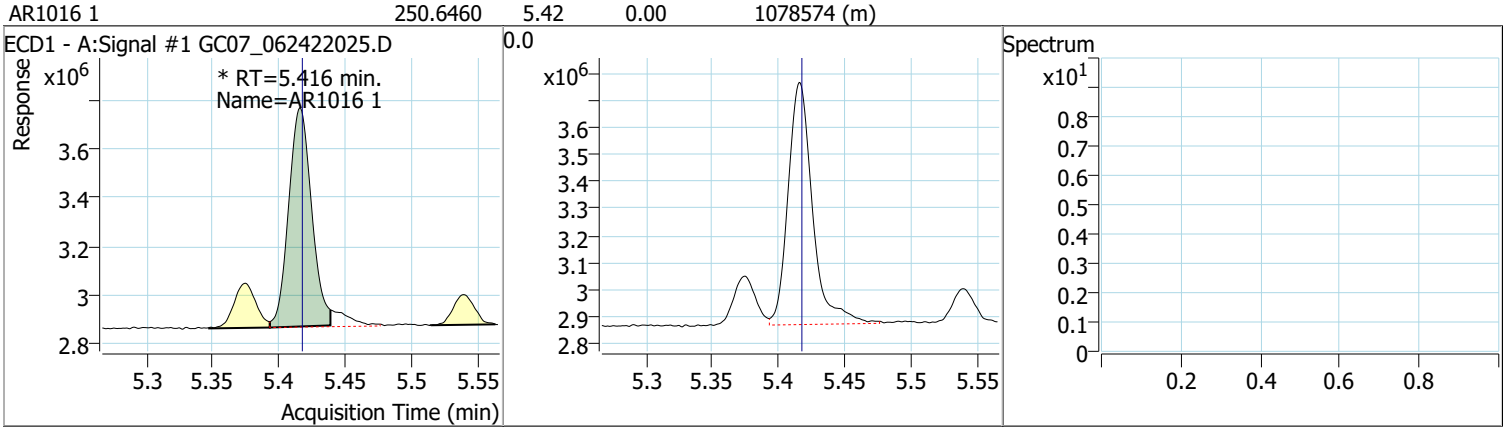
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	10.1074	5.07	0.00	2138292				



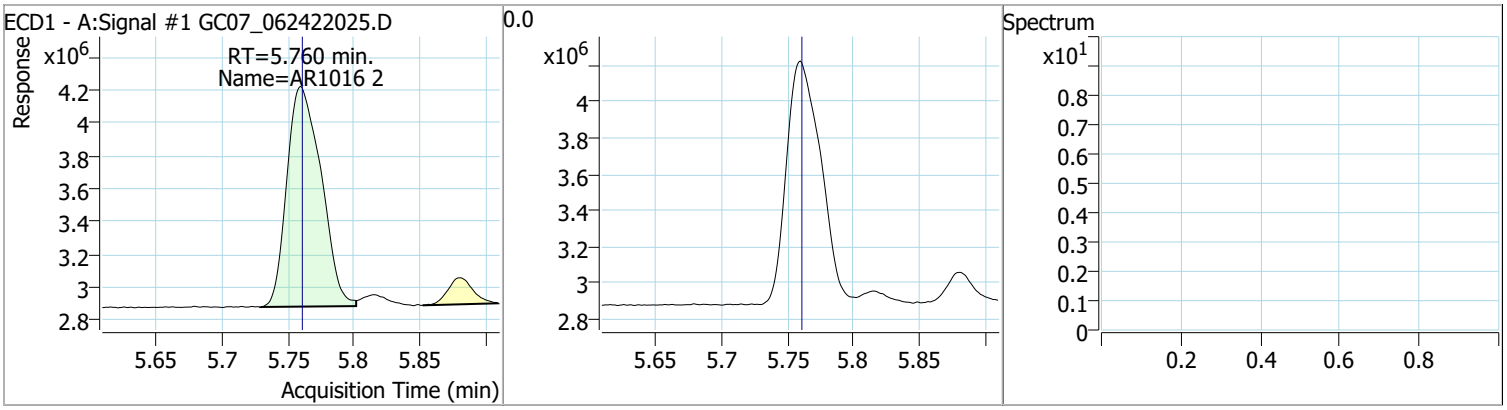
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	9.7806	5.41	0.00	523555				



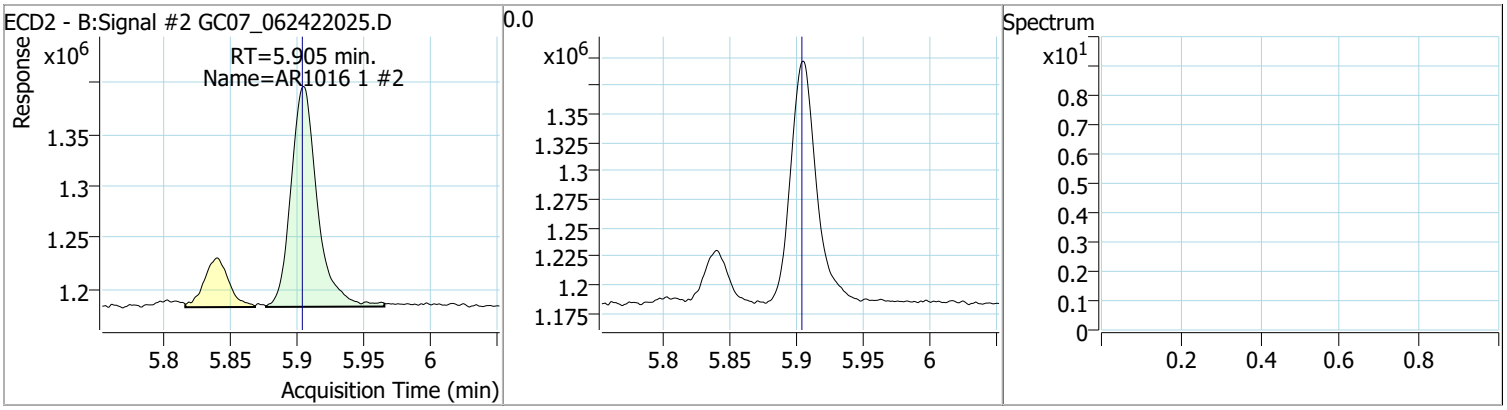
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	250.6460	5.42	0.00	1078574 (m)				



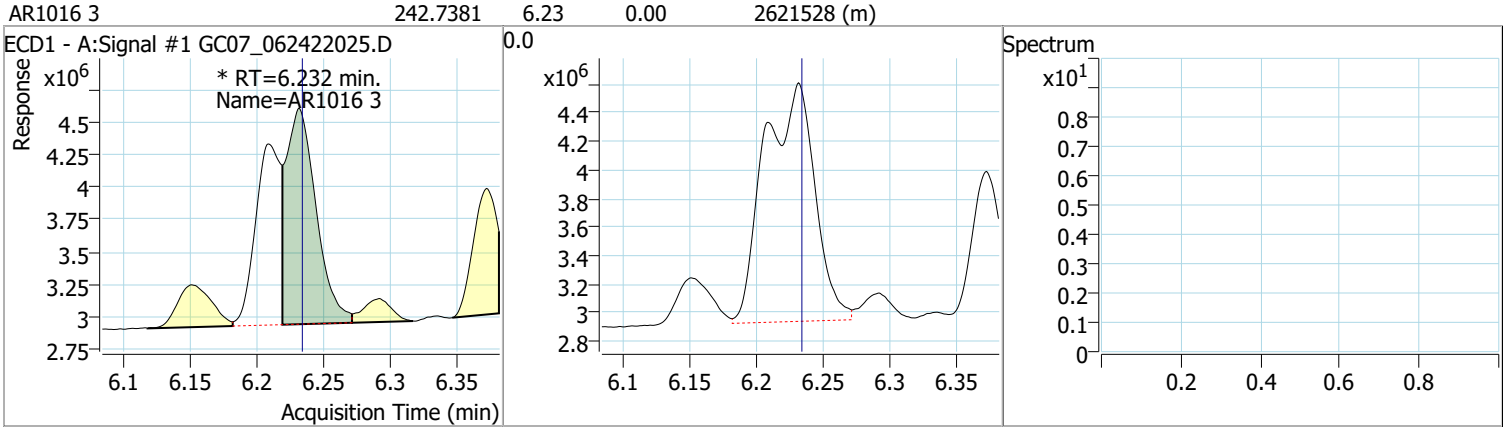
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	258.4552	5.76	0.00	2410450				



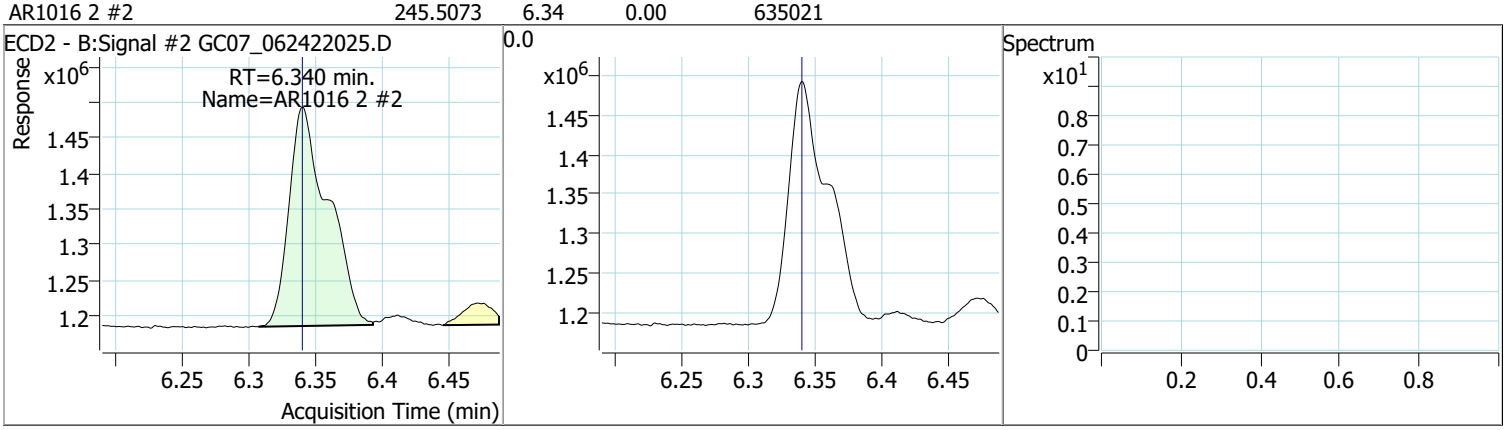
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	249.6478	5.91	0.00	296542				



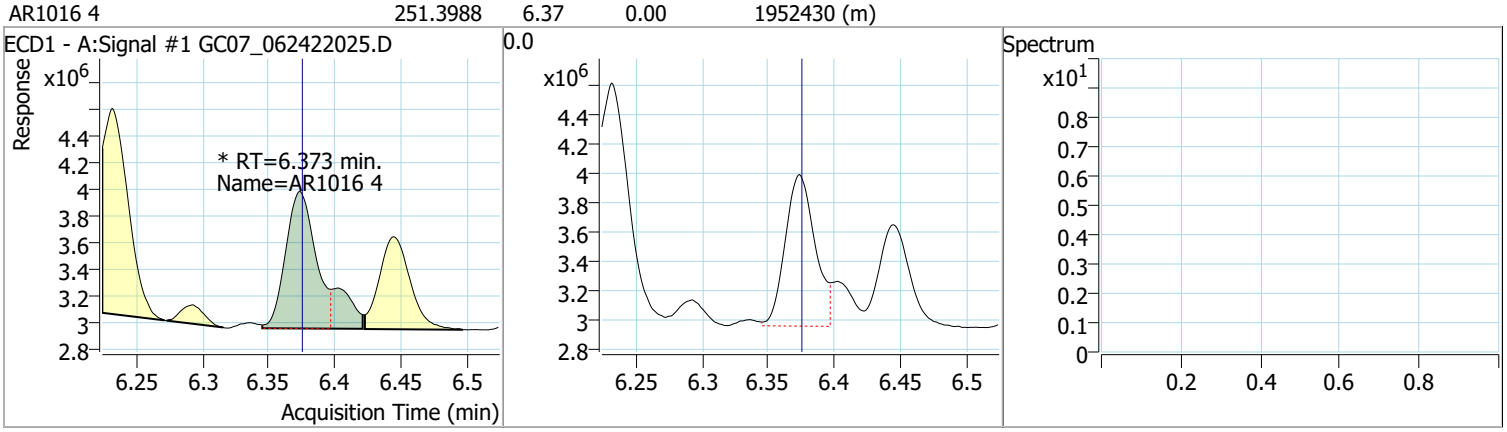
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	242.7381	6.23	0.00	2621528 (m)				



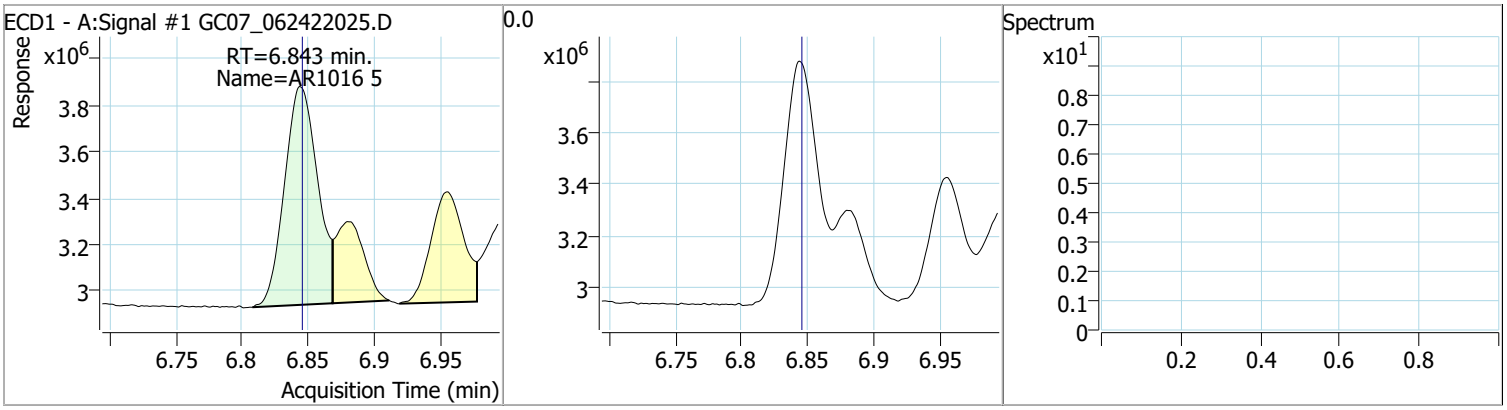
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	245.5073	6.34	0.00	635021				



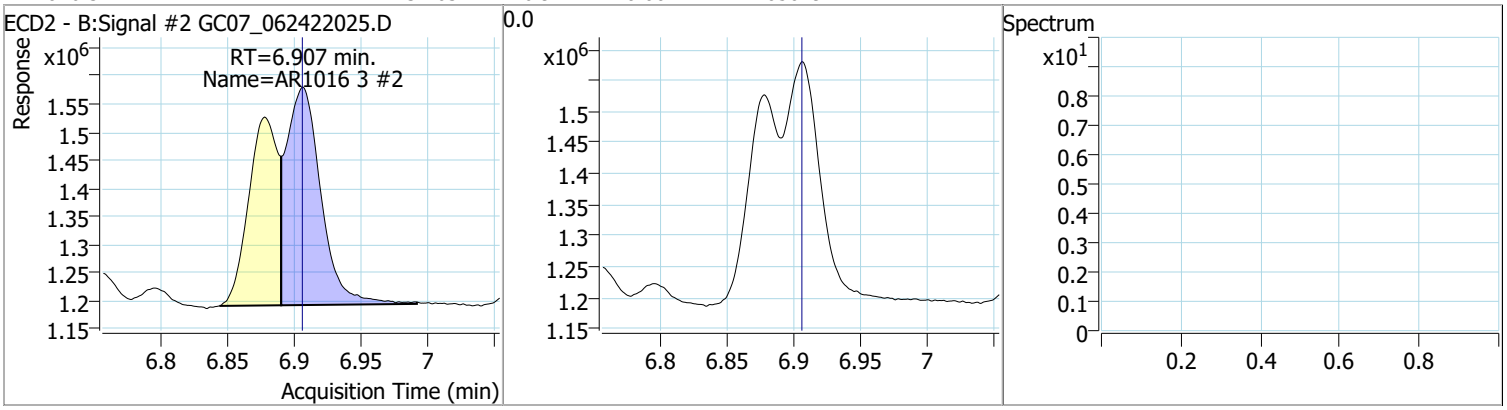
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	251.3988	6.37	0.00	1952430 (m)				



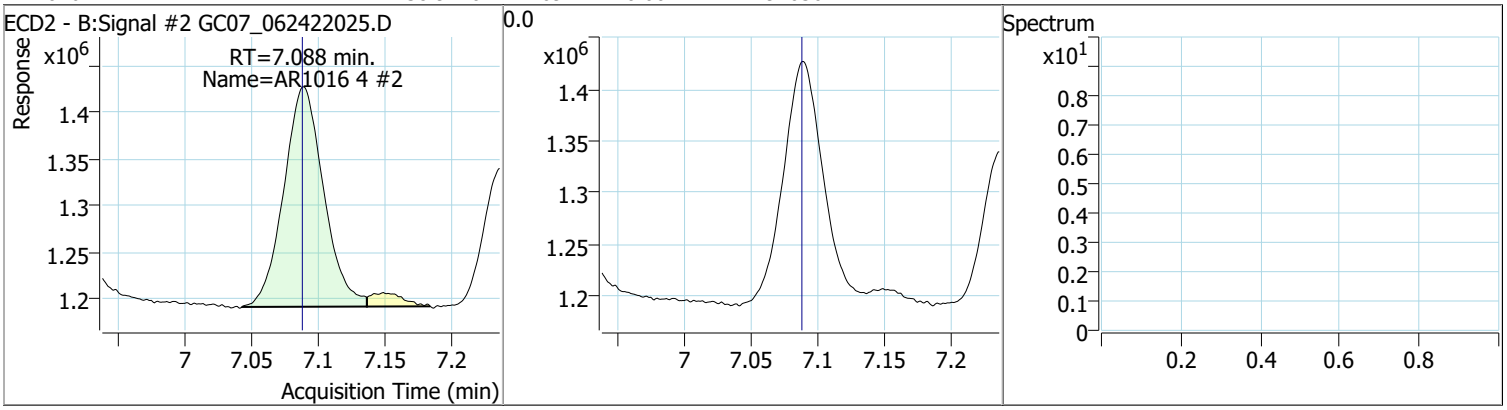
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	253.8119	6.84	0.00	1641919				



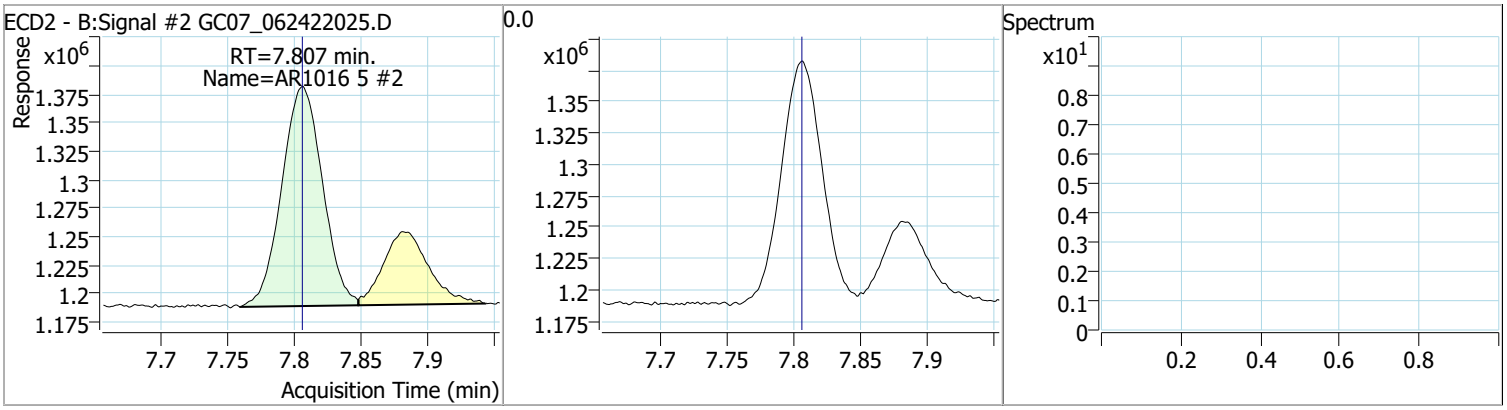
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	237.6321	6.91	0.00	705049				



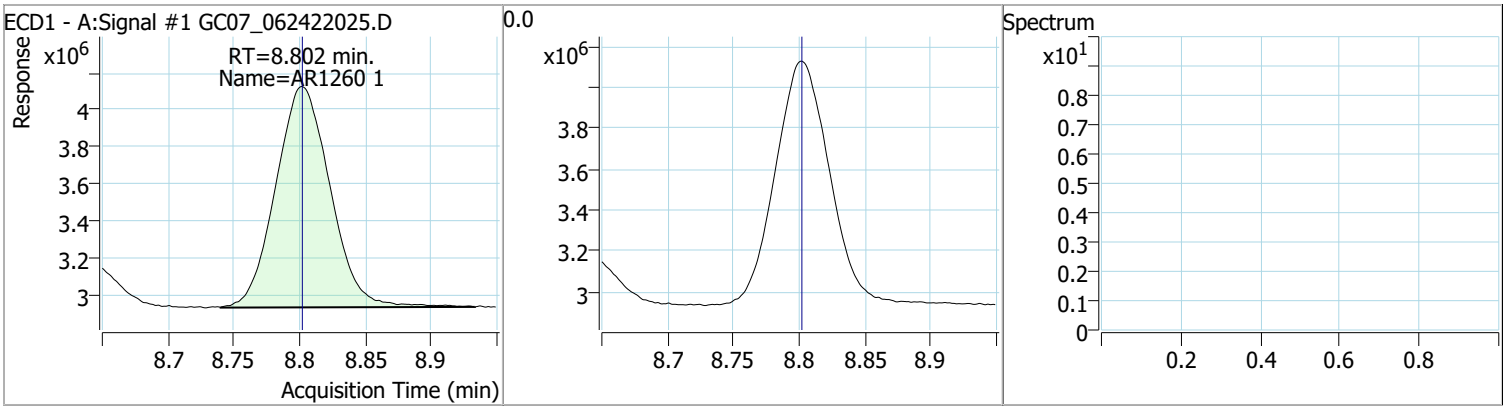
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	238.9440	7.09	0.00	492036				



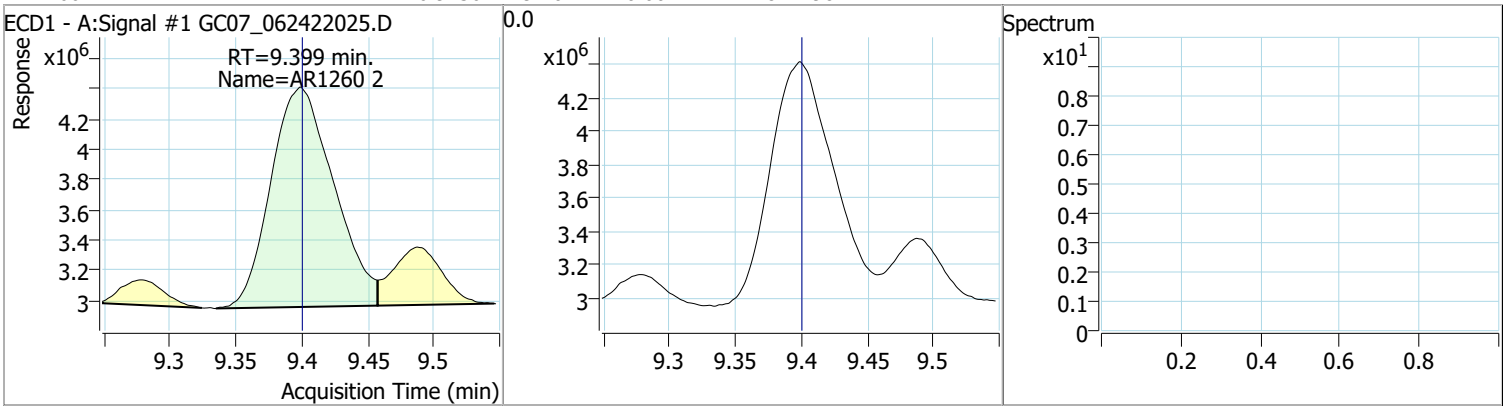
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	240.6654	7.81	0.00	413979				



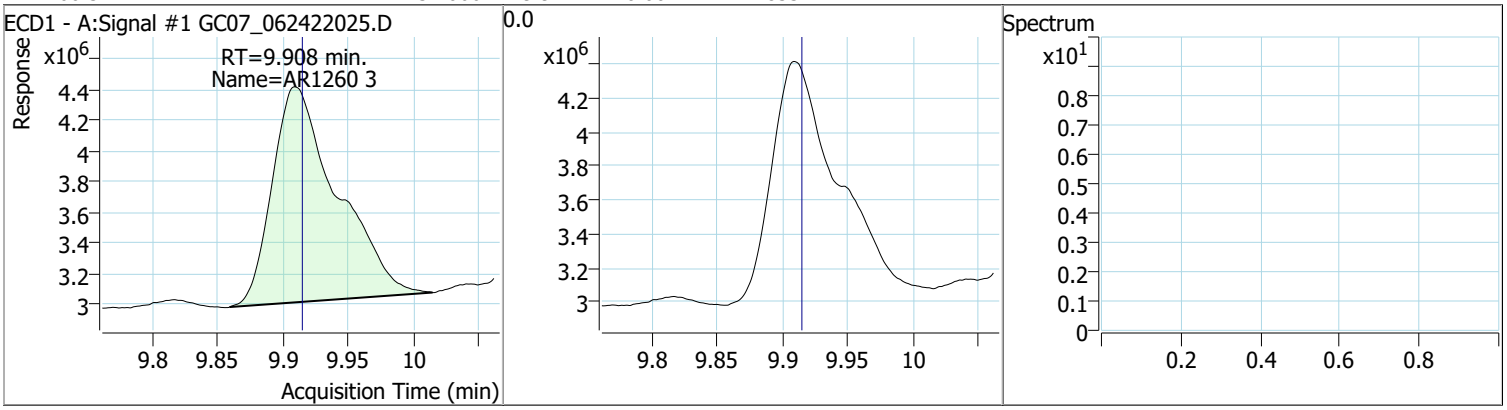
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	251.5569	8.80	0.00	3436521				



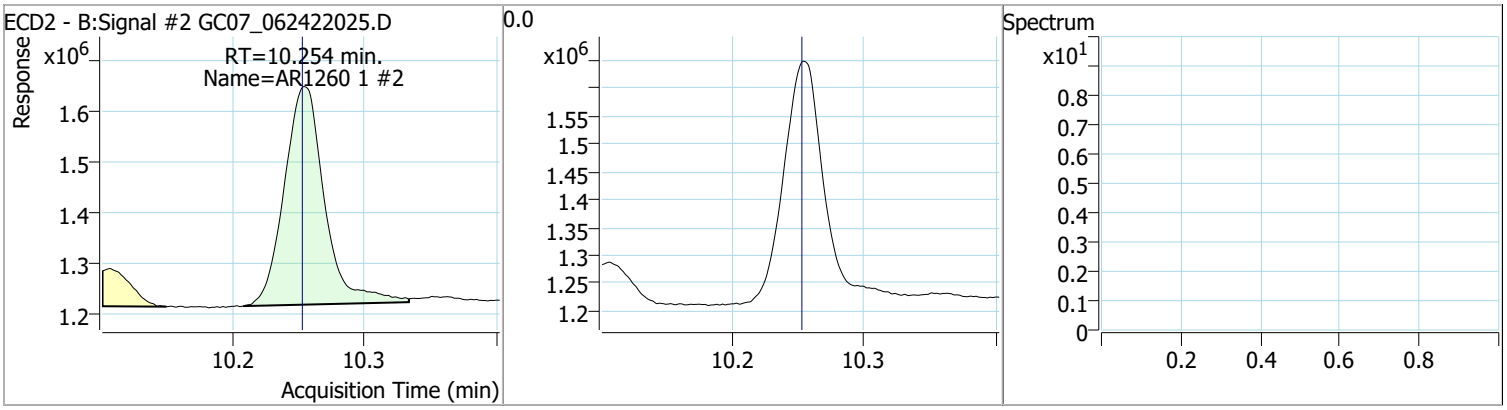
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	246.9236	9.40	0.00	4842298				



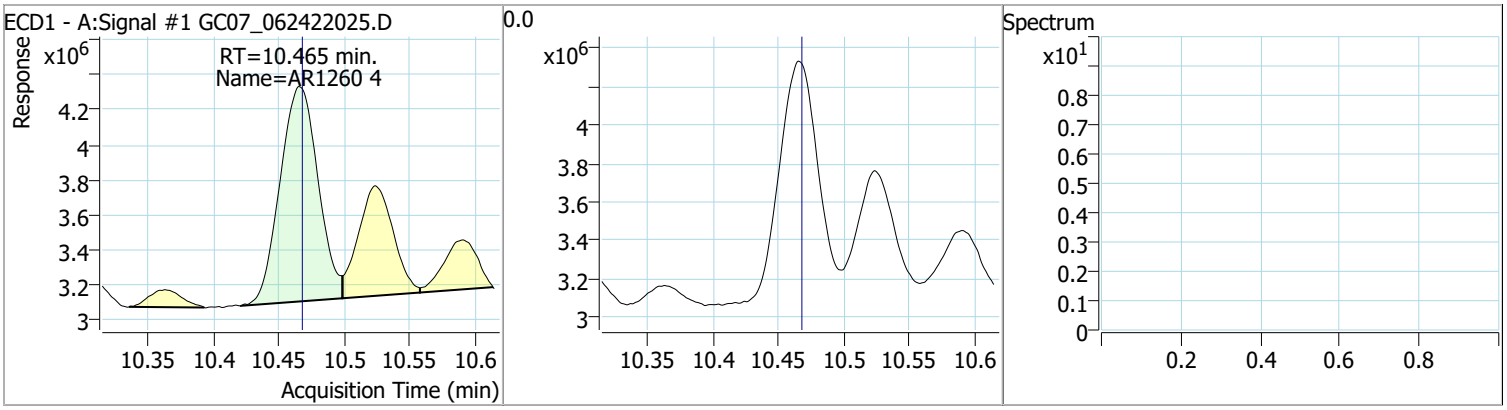
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	243.2066	9.91	0.00	4833211				



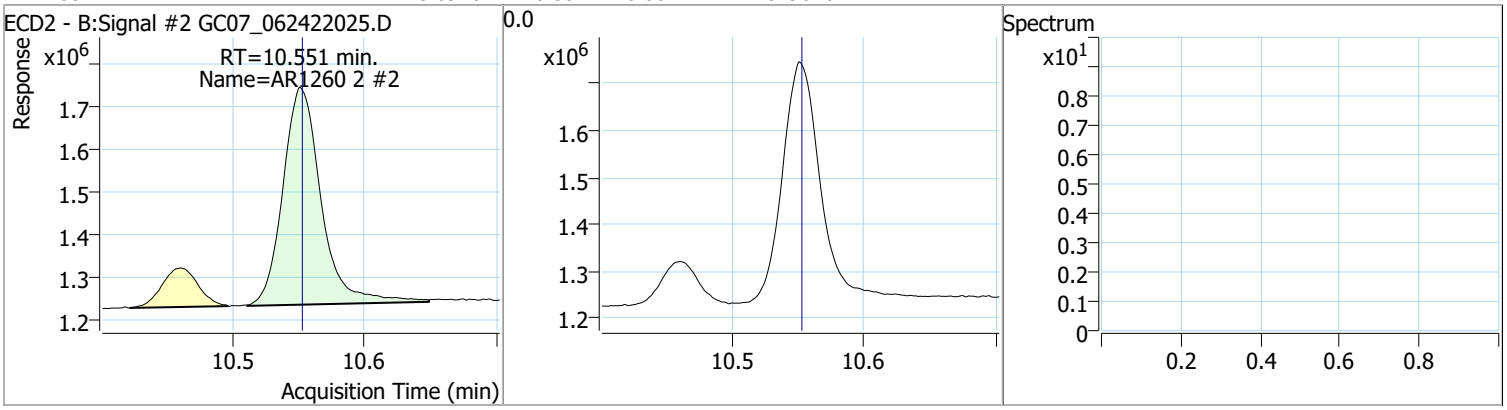
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	243.5747	10.25	0.00	909894				



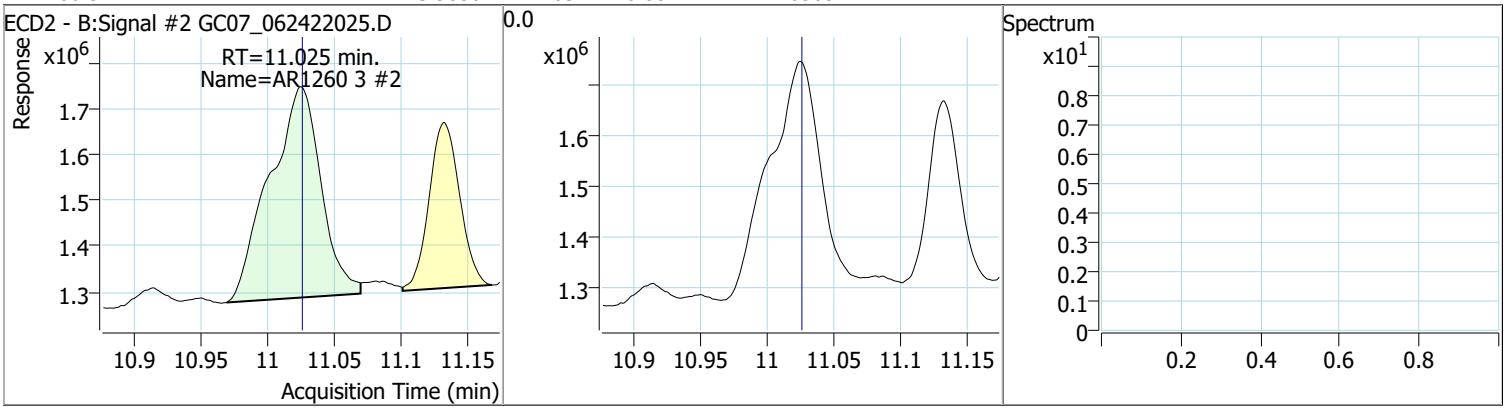
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	245.6043	10.47	0.00	2495136				



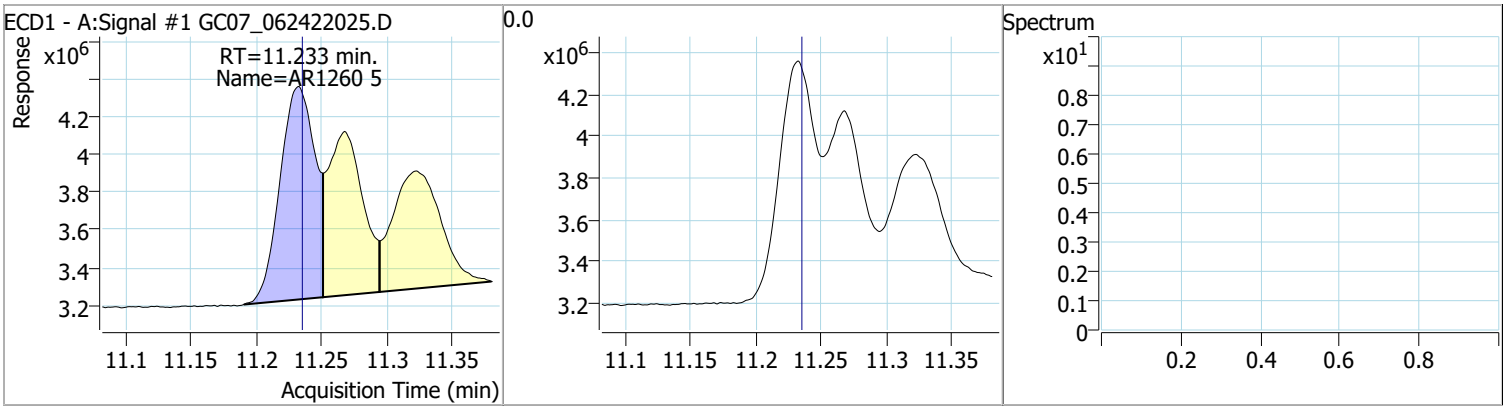
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	248.0916	10.55	0.00	1029646				



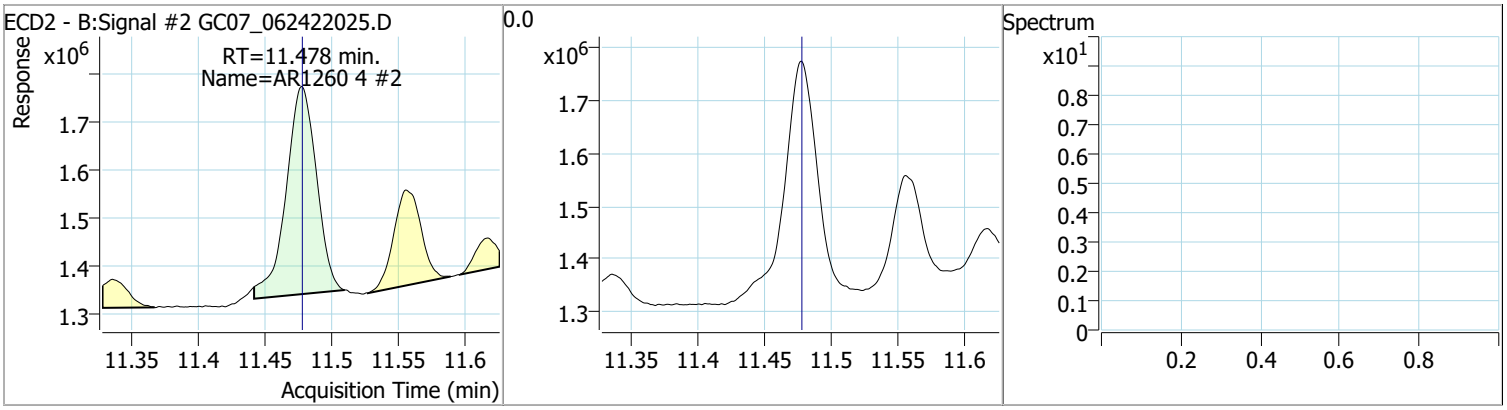
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	243.9850	11.03	0.00	1246365				



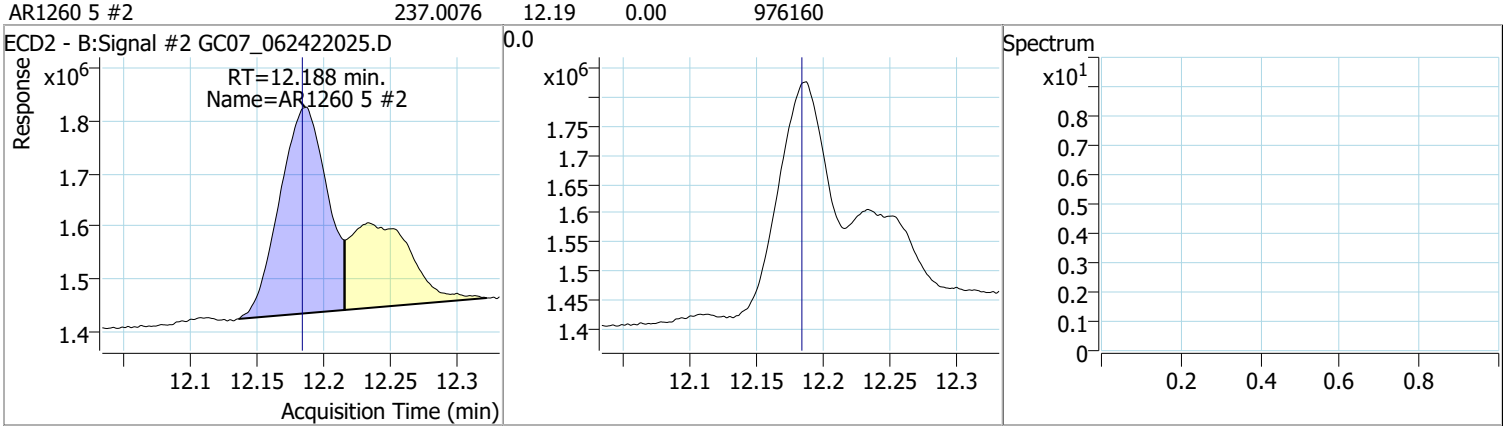
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	226.1231	11.23	0.00	2109055				



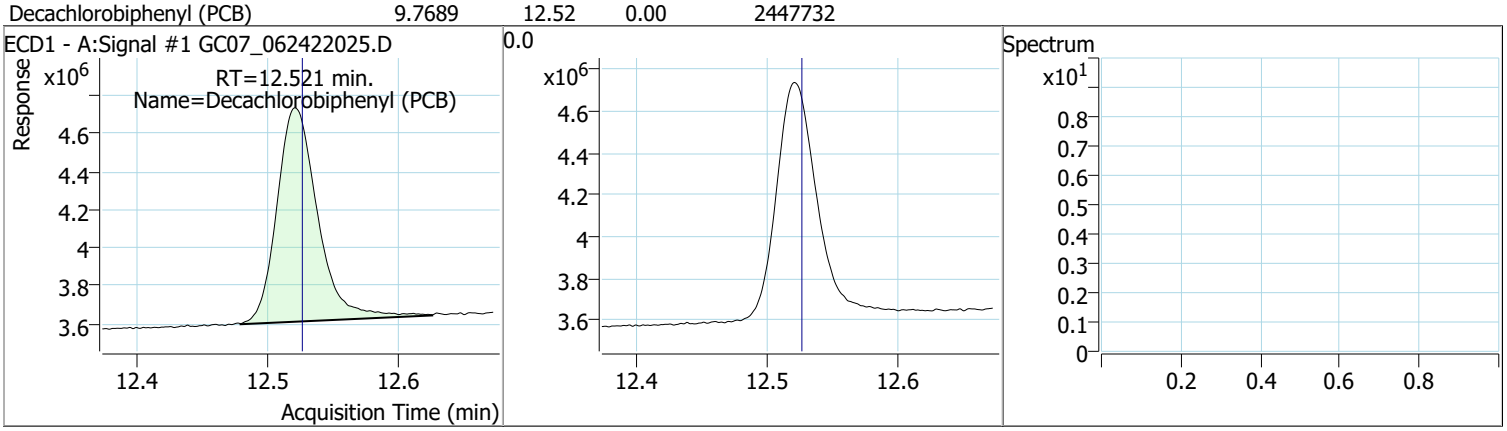
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	240.6325	11.48	0.00	689678				



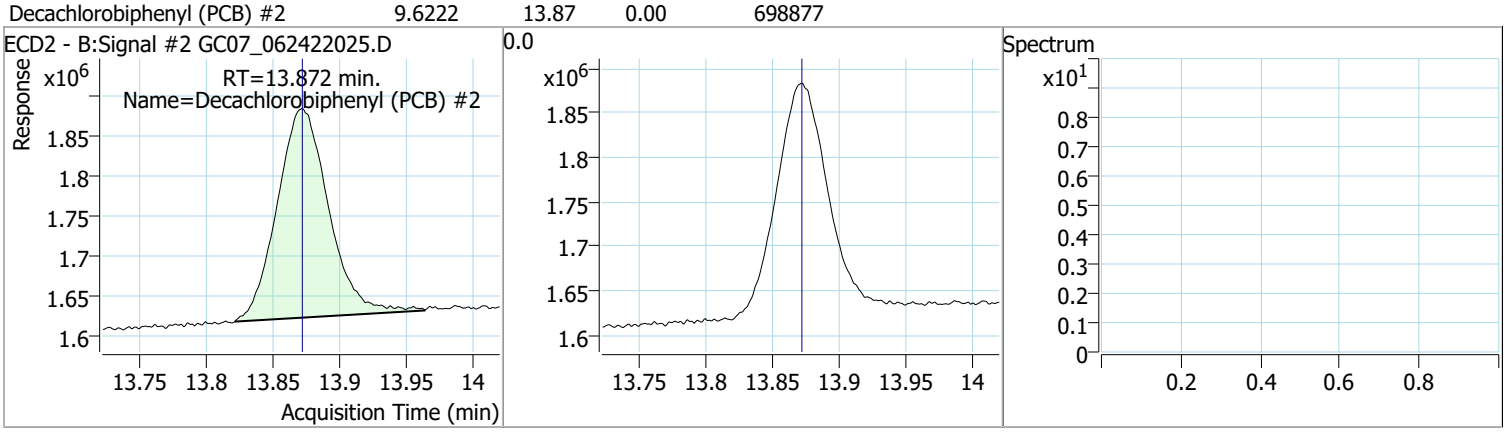
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	237.0076	12.19	0.00	976160				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	9.7689	12.52	0.00	2447732				

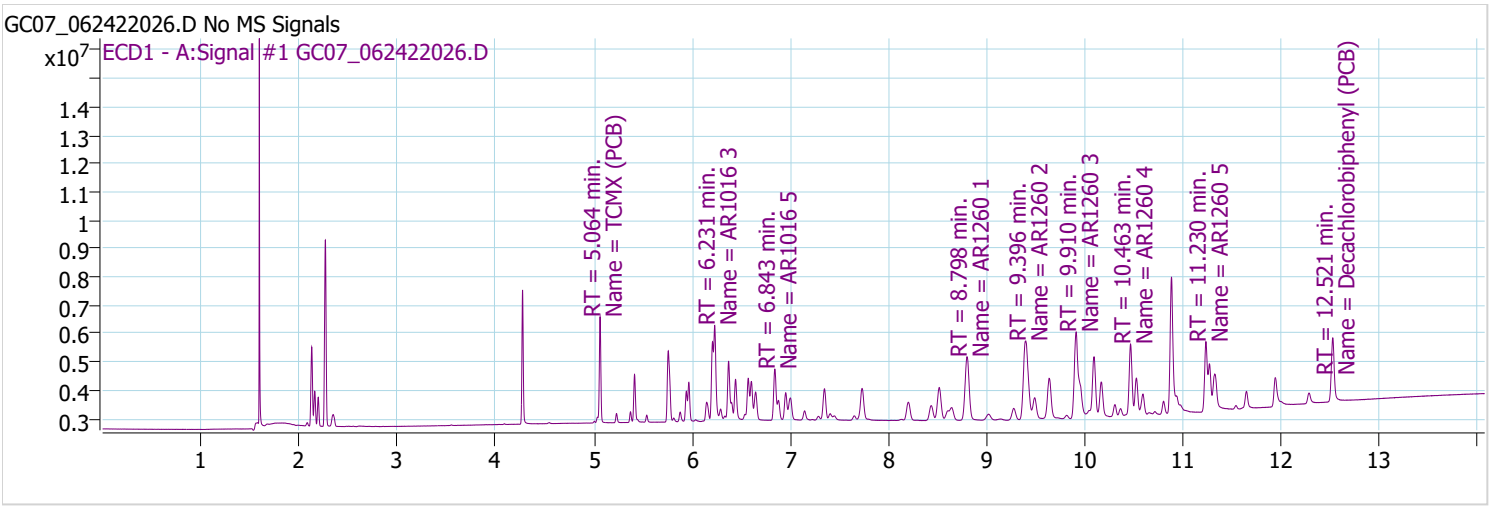


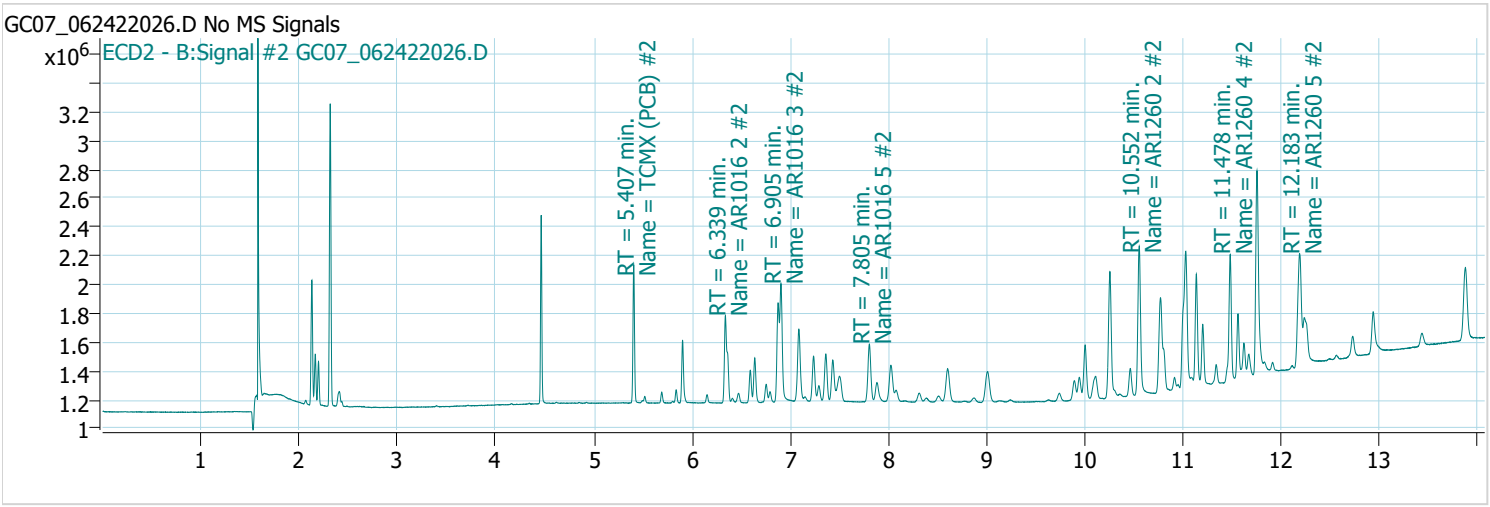
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	9.6222	13.87	0.00	698877				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422026.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 1:49:37 AM
Sample Name	ICAL, S16726, 4	Instrument	SVOA-GC07
Vial	15	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



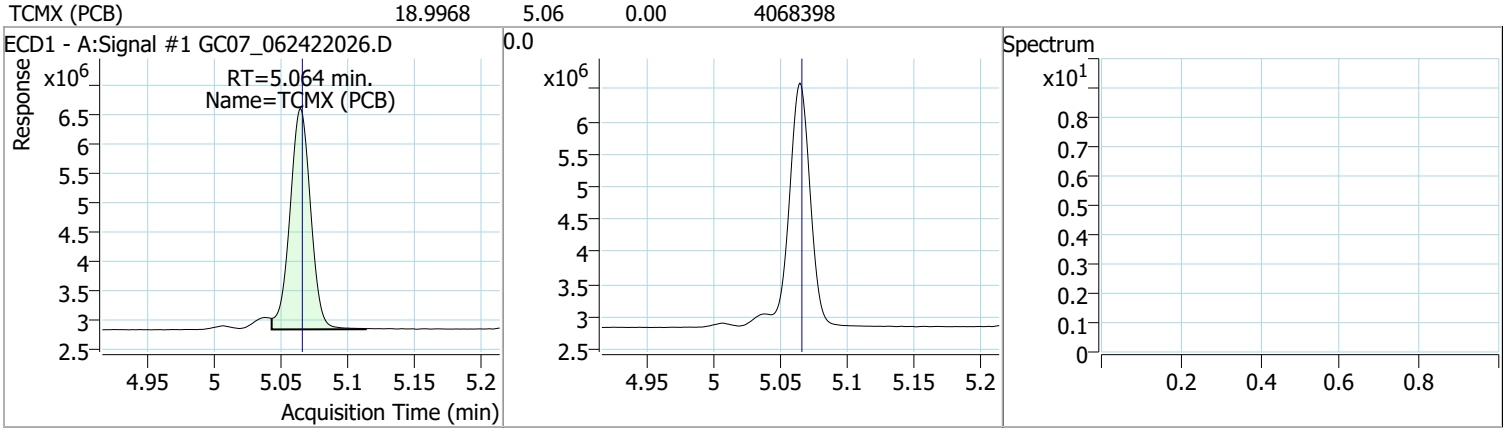


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.275	0.0	4540693.300	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.465	0.0	1187184.970	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.064	0.0	4068398.326	18.9968	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 94.98%		
S TCMX (PCB) #2	5.407	0.0	1061657.676	19.7050	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 98.52%		
S Decachlorobiphenyl (PCB)	12.521	0.0	4750520.056	18.7287	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 93.64%		
S Decachlorobiphenyl (PCB) #2	13.871	0.0	1358406.947	18.5821	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 92.91%		
Target Compounds						QValue

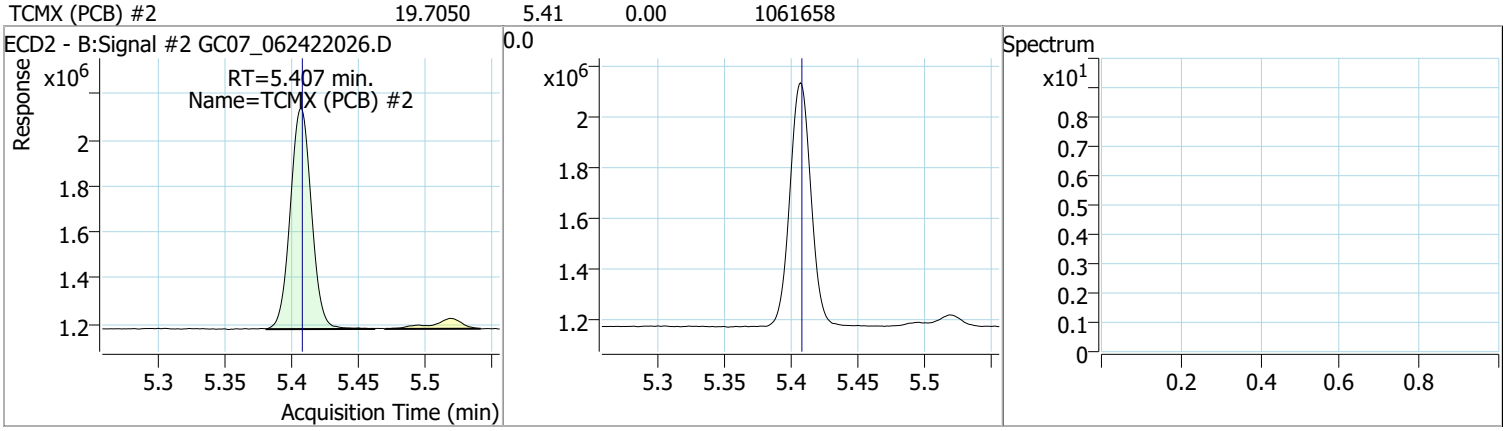
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.415	0.0	2181077.730	500.6865	ng/ml	m	100
T AR1016 2	5.758	0.0	4479111.074	474.4196	ng/ml		100
T AR1016 1 #2	5.903	0.0	577162.498	482.7572	ng/ml		100
T AR1016 3	6.231	0.0	5152757.064	471.3103	ng/ml		100
T AR1016 2 #2	6.339	0.0	1274235.221	489.4577	ng/ml		100
T AR1016 4	6.372	0.0	3772165.796	479.8021	ng/ml	m	100
T AR1016 5	6.843	0.0	3140346.738	479.5366	ng/ml		100
T AR1016 3 #2	6.905	0.0	1433477.993	480.0277	ng/ml		100
T AR1016 4 #2	7.088	0.0	997642.137	481.3524	ng/ml		100
T AR1016 5 #2	7.805	0.0	831109.616	480.0454	ng/ml		100
T AR1260 1	8.798	0.0	6580851.112	475.8643	ng/ml		100
T AR1260 2	9.396	0.0	9518154.550	479.4548	ng/ml		100
T AR1260 3	9.910	0.0	9630305.007	478.7001	ng/ml		100
T AR1260 1 #2	10.253	0.0	1836314.904	488.4021	ng/ml		100
T AR1260 4	10.463	0.0	4888050.985	475.2929	ng/ml		100
T AR1260 2 #2	10.552	0.0	2042124.120	488.8724	ng/ml		100
T AR1260 3 #2	11.025	0.0	2599120.827	505.5144	ng/ml		100
T AR1260 5	11.230	0.0	4589366.652	486.0640	ng/ml		100
T AR1260 4 #2	11.478	0.0	1366676.357	473.7649	ng/ml		100
T AR1260 5 #2	12.183	0.0	2021544.801	487.6564	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

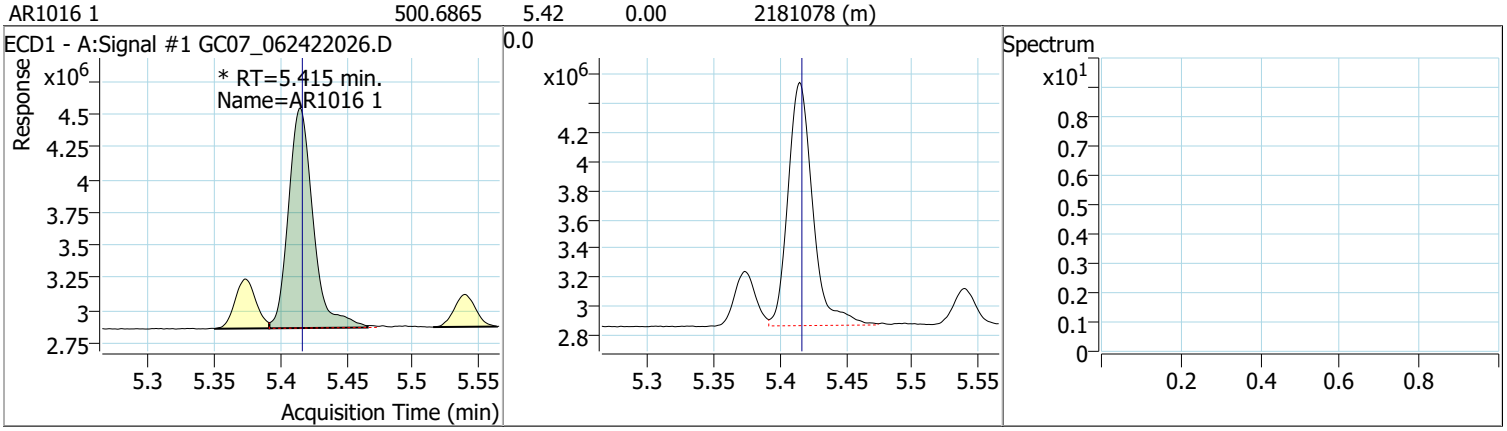
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	18.9968	5.06	0.00	4068398				



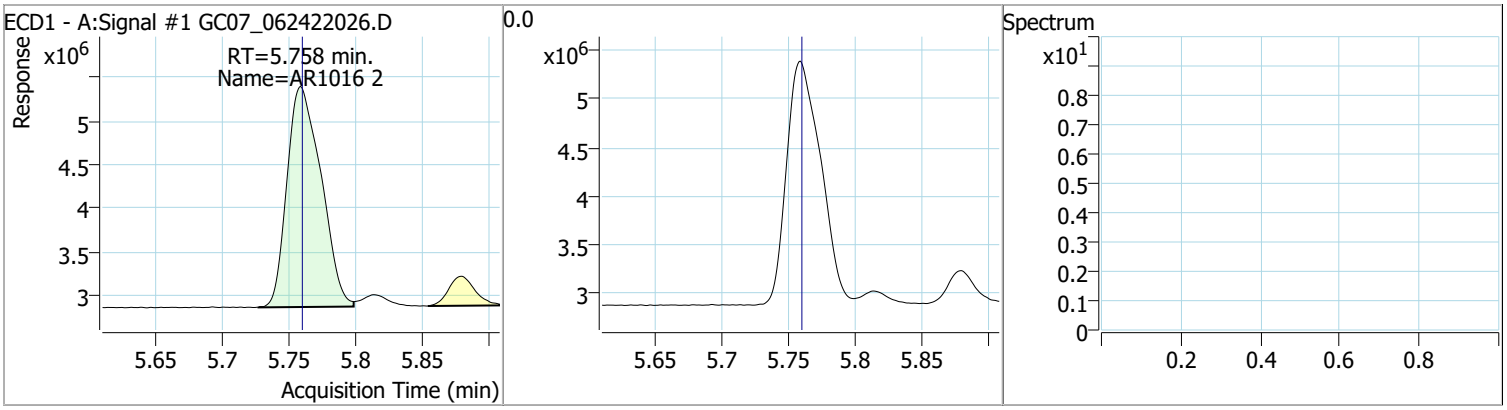
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	19.7050	5.41	0.00	1061658				



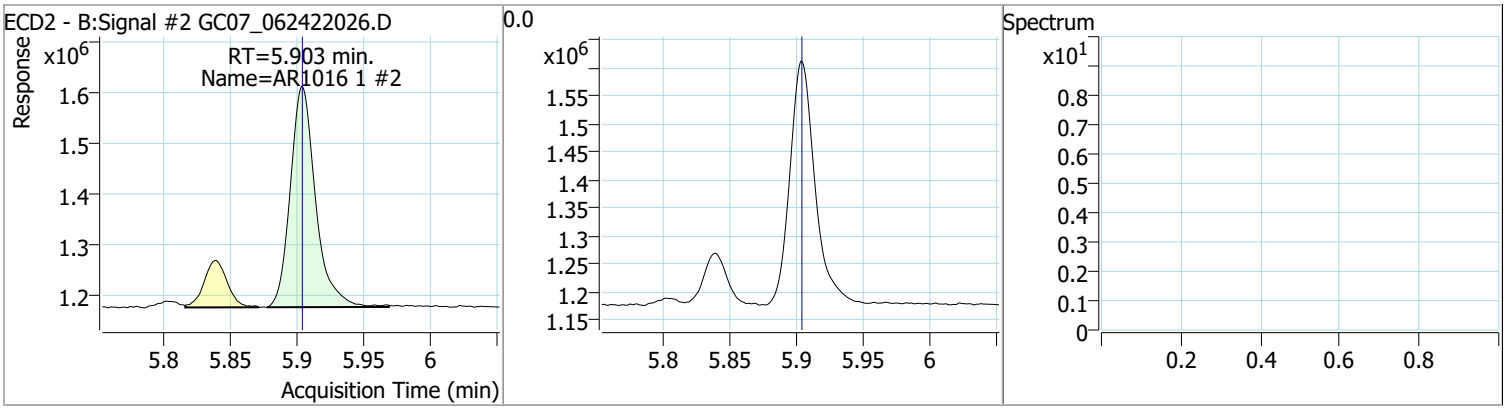
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	500.6865	5.42	0.00	2181078 (m)				



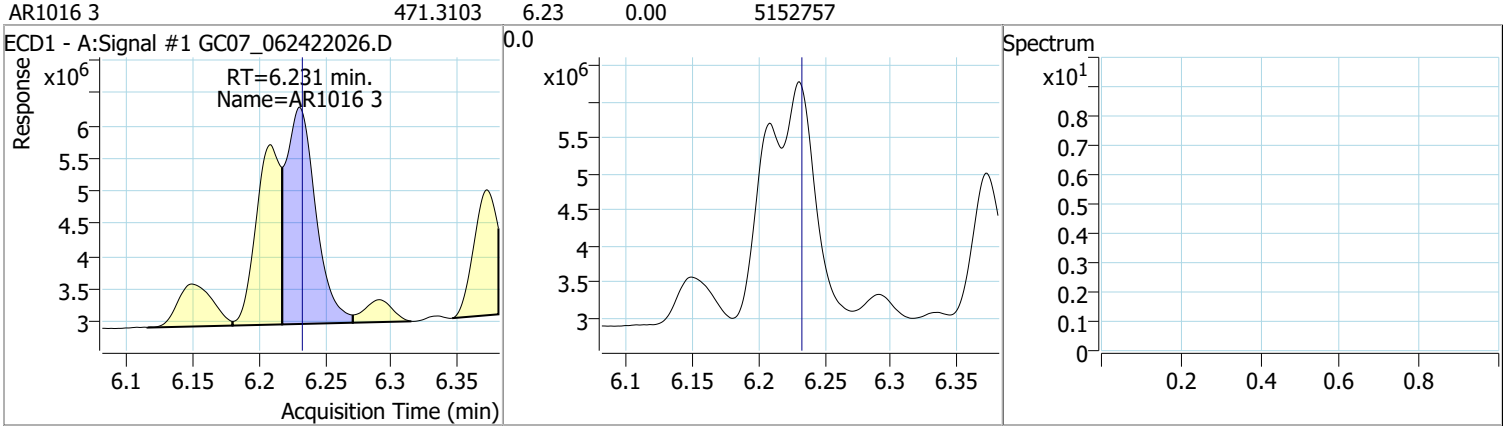
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	474.4196	5.76	0.00	4479111				



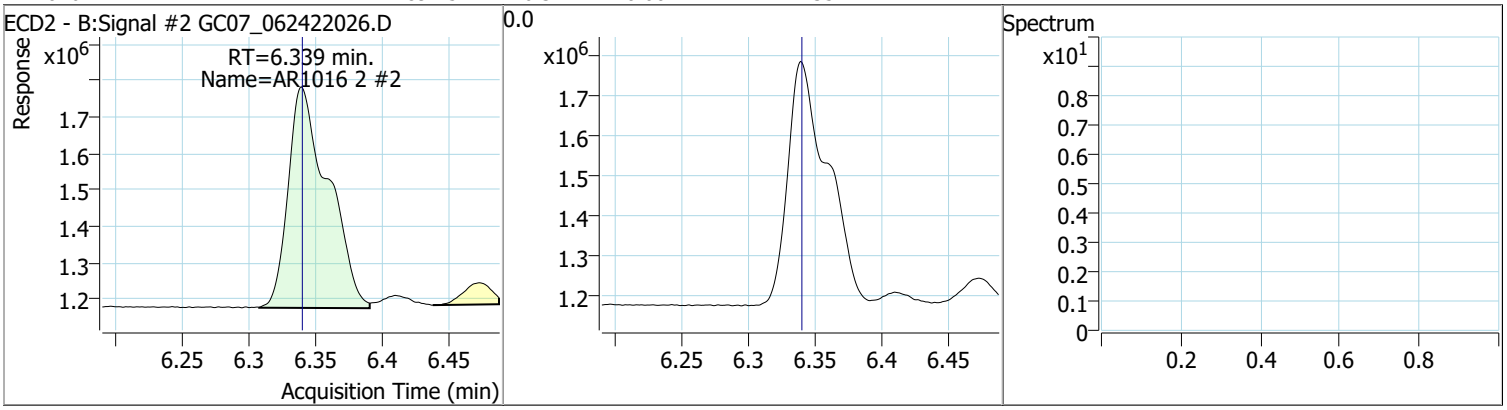
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	482.7572	5.90	0.00	577162				



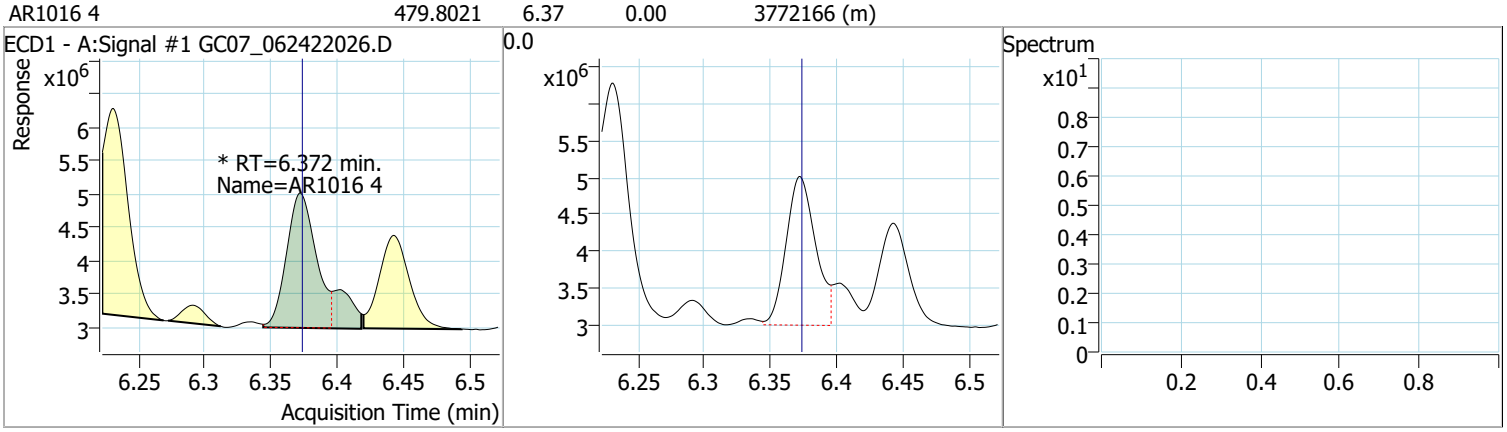
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	471.3103	6.23	0.00	5152757				



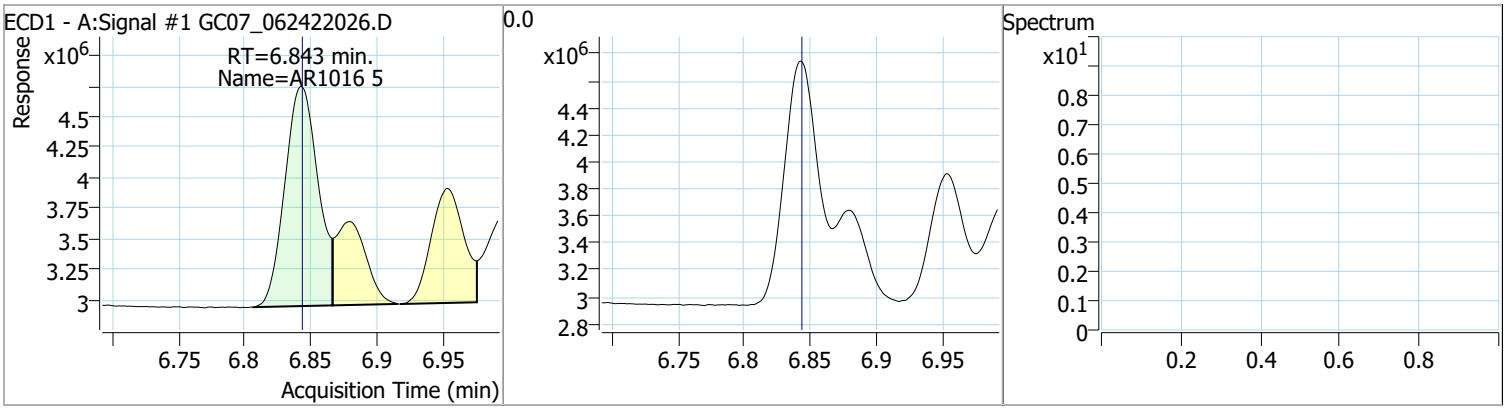
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	489.4577	6.34	0.00	1274235				



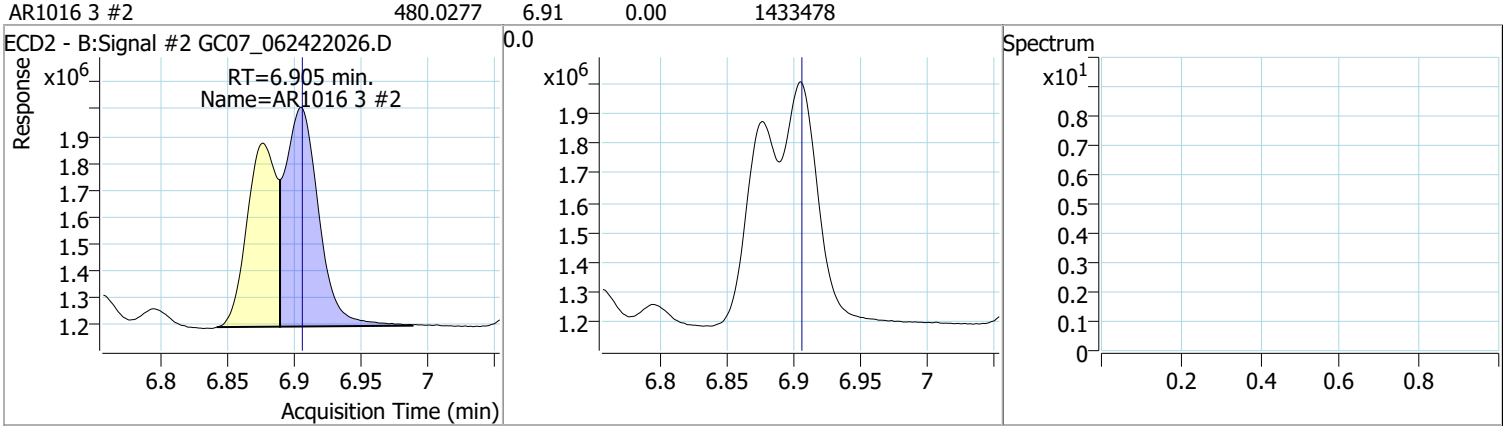
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	479.8021	6.37	0.00	3772166 (m)				



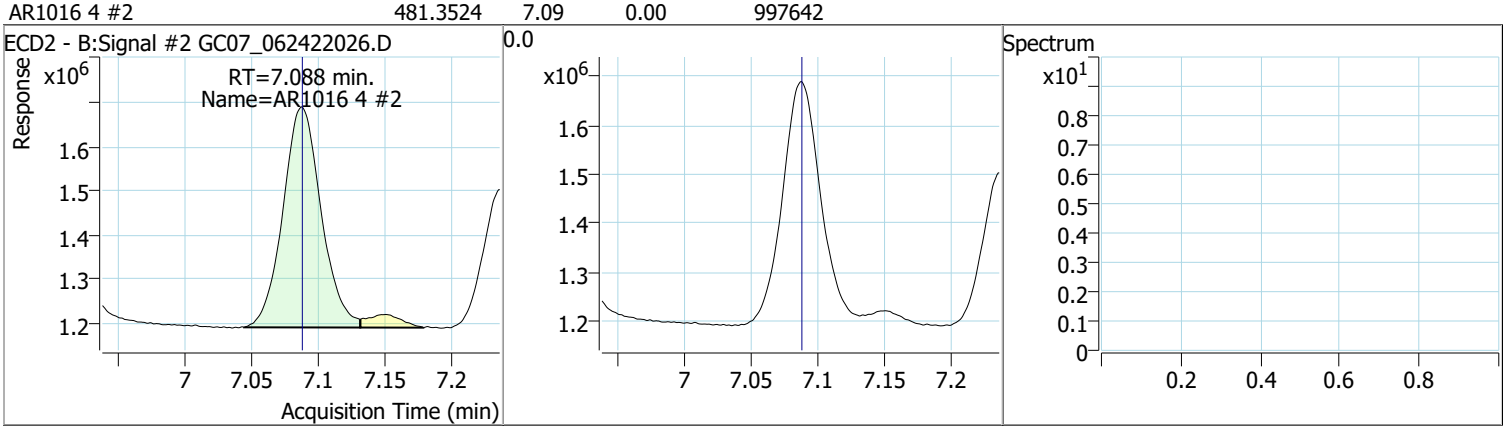
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	479.5366	6.84	0.00	3140347				



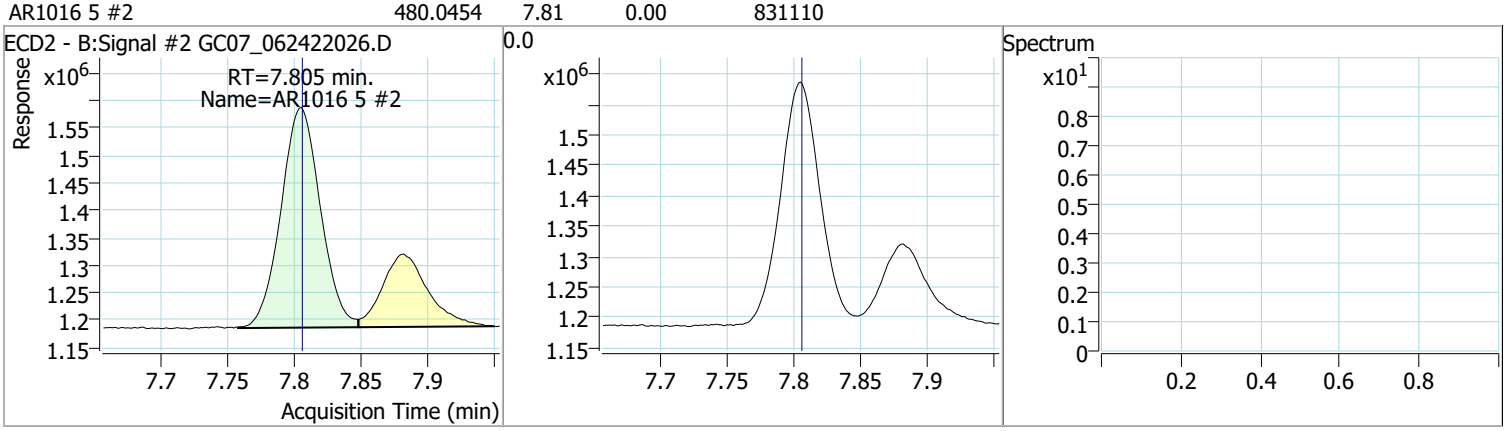
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	480.0277	6.91	0.00	1433478				



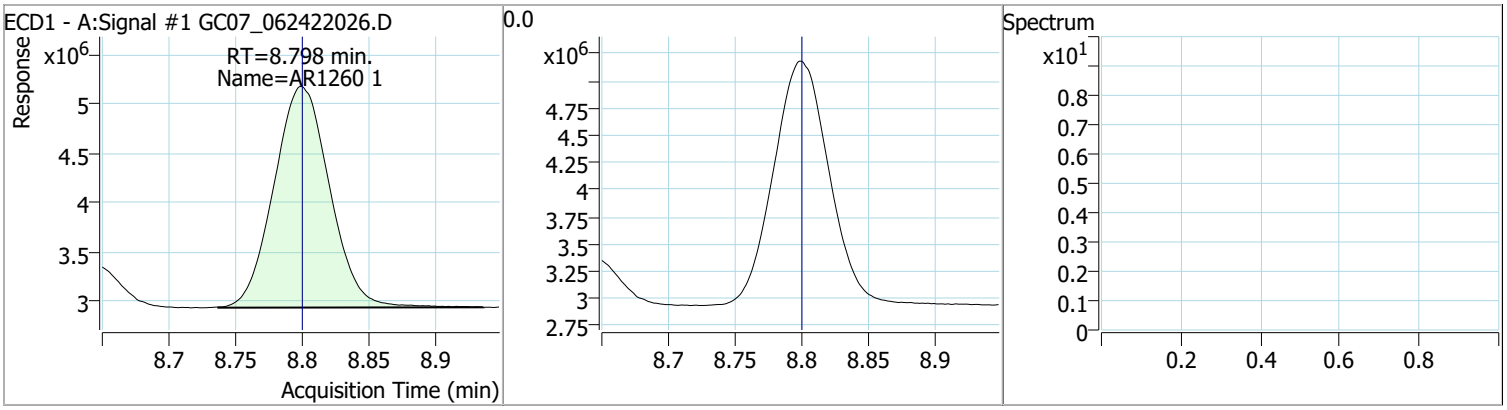
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	481.3524	7.09	0.00	997642				



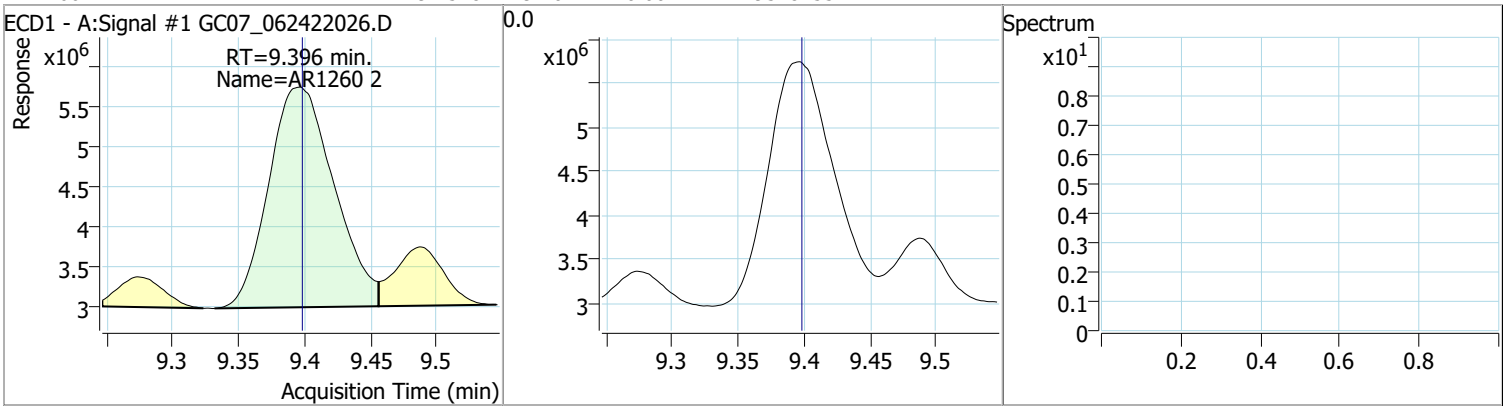
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	480.0454	7.81	0.00	831110				



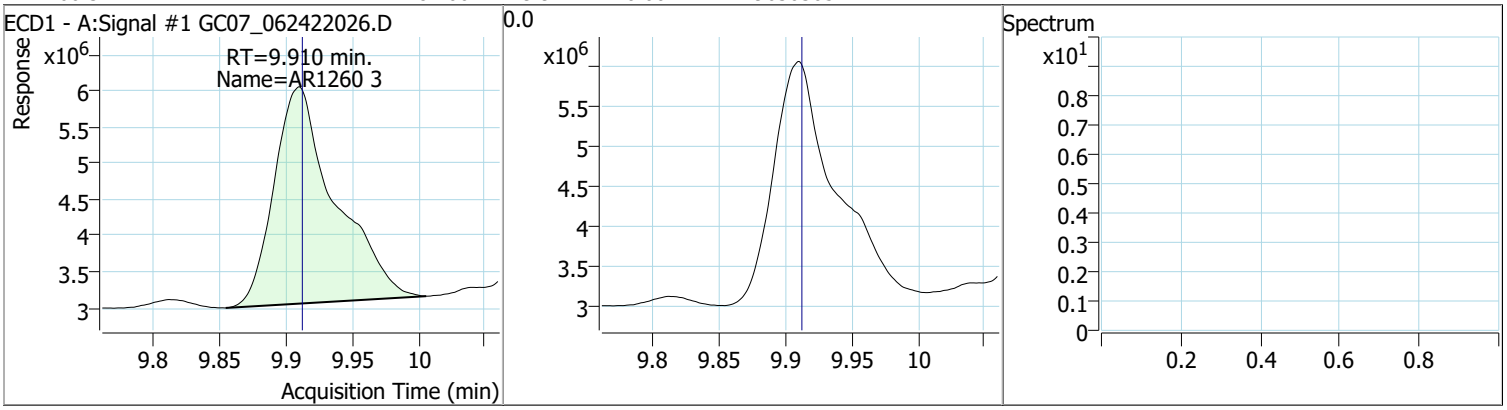
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	475.8643	8.80	0.00	6580851				



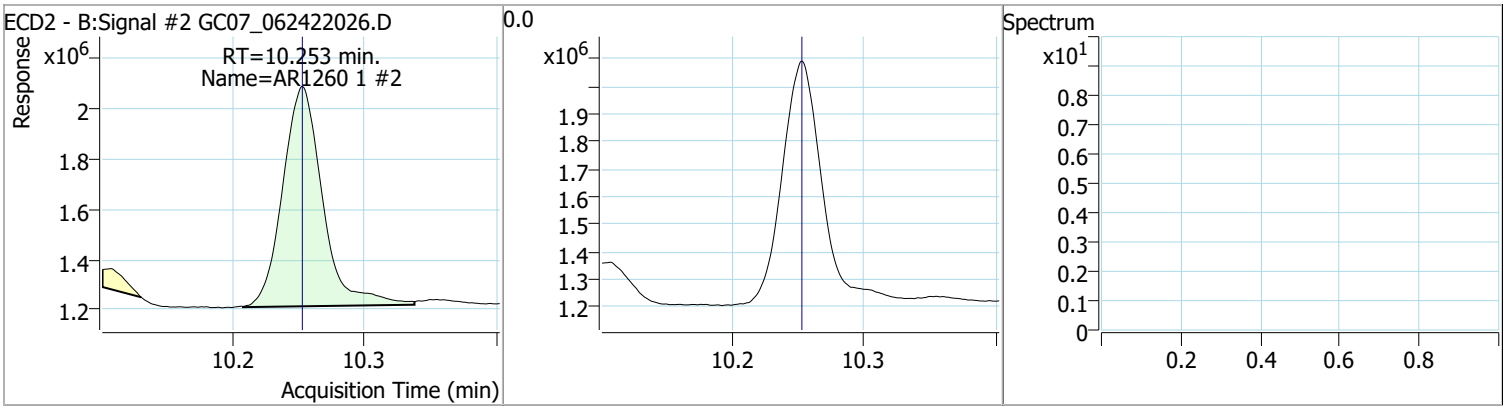
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	479.4548	9.40	0.00	9518155				



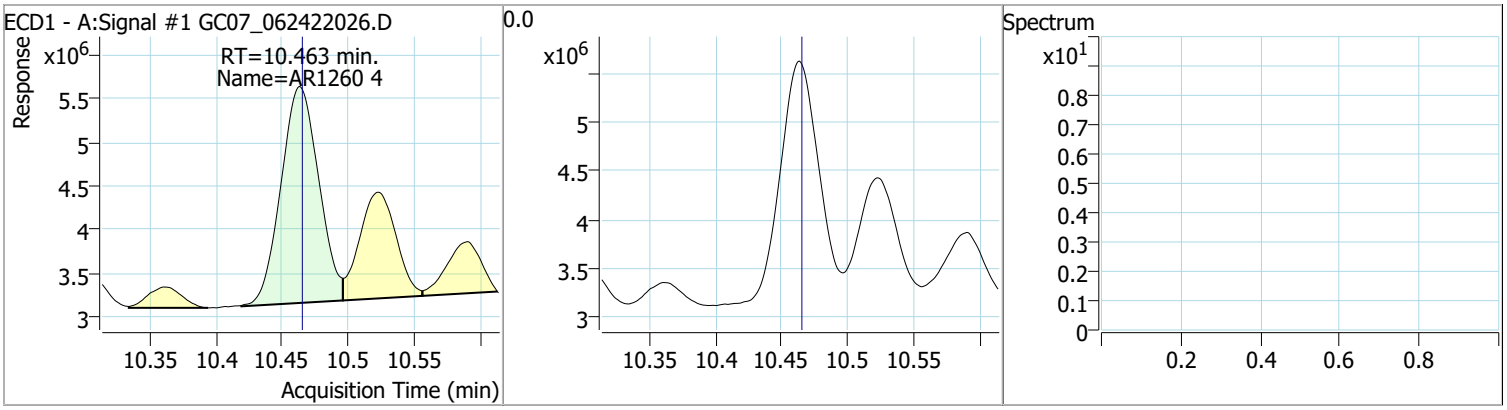
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	478.7001	9.91	0.00	9630305				



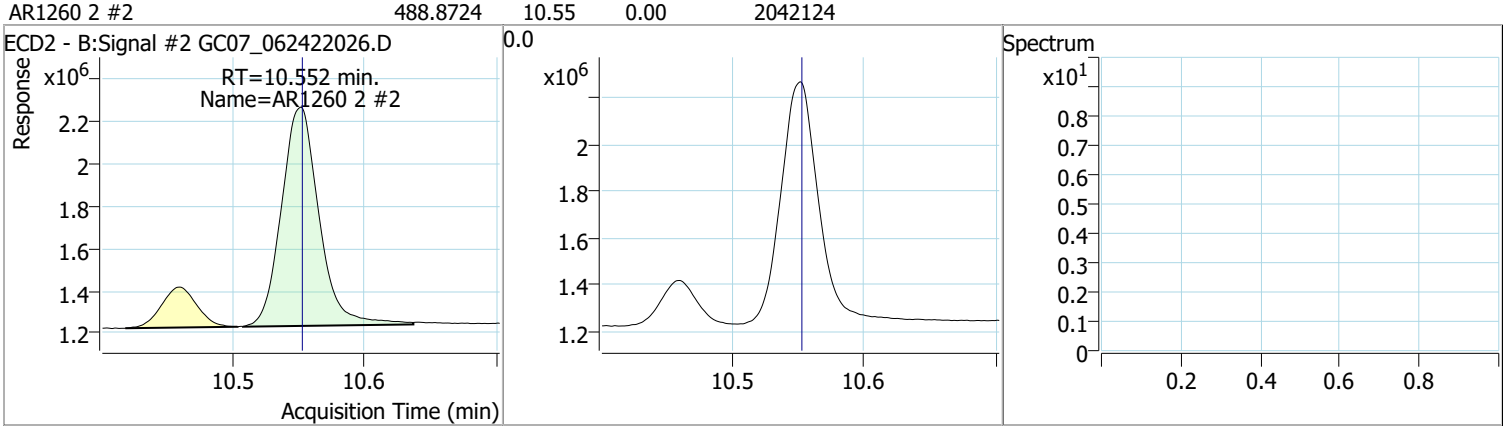
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	488.4021	10.25	0.00	1836315				



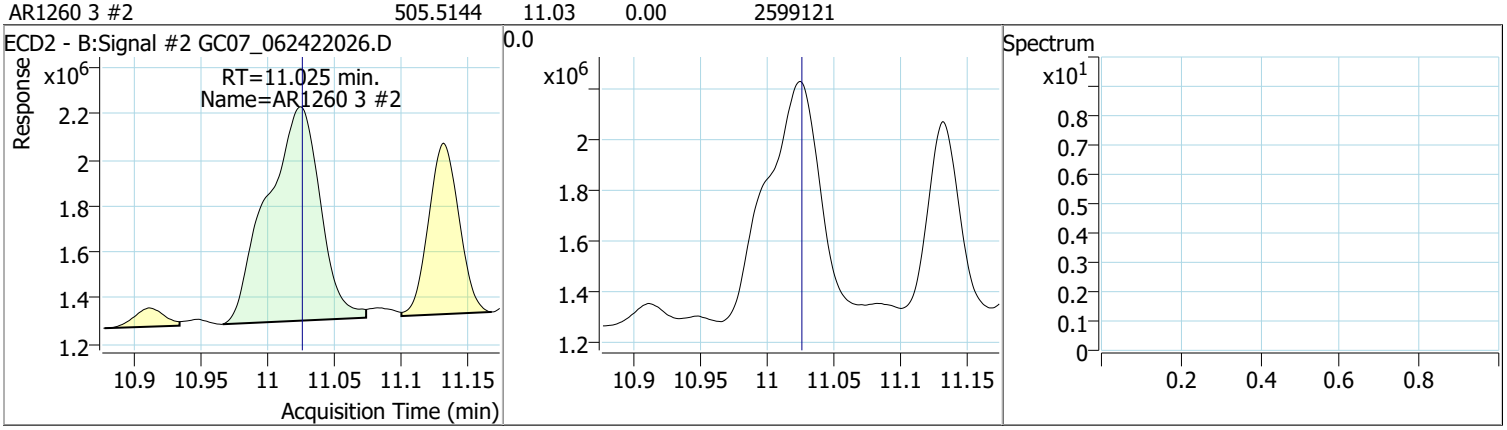
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	475.2929	10.46	0.00	4888051				



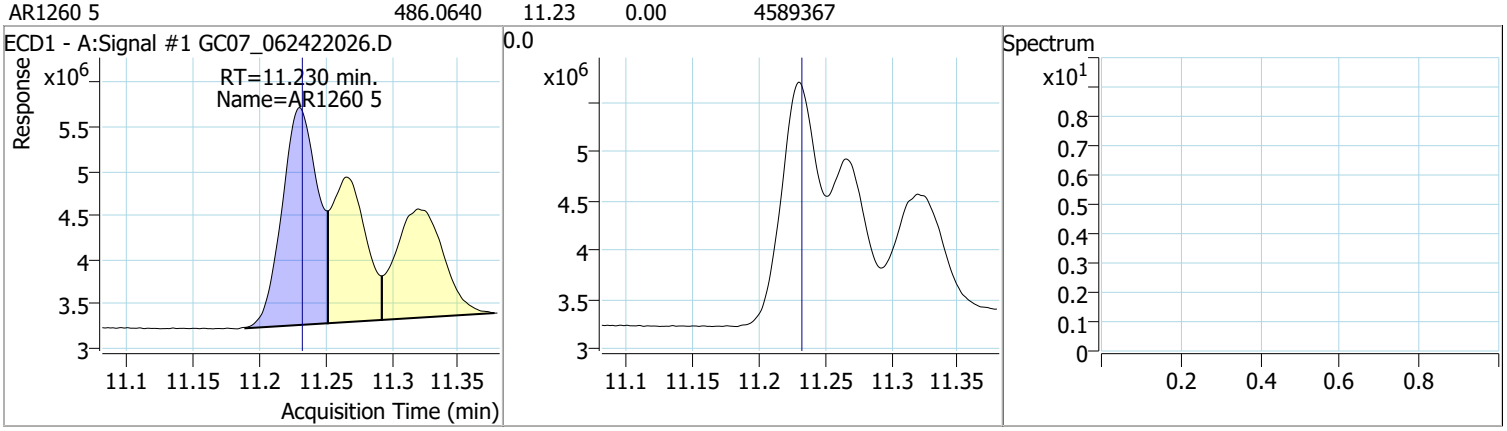
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	488.8724	10.55	0.00	2042124				



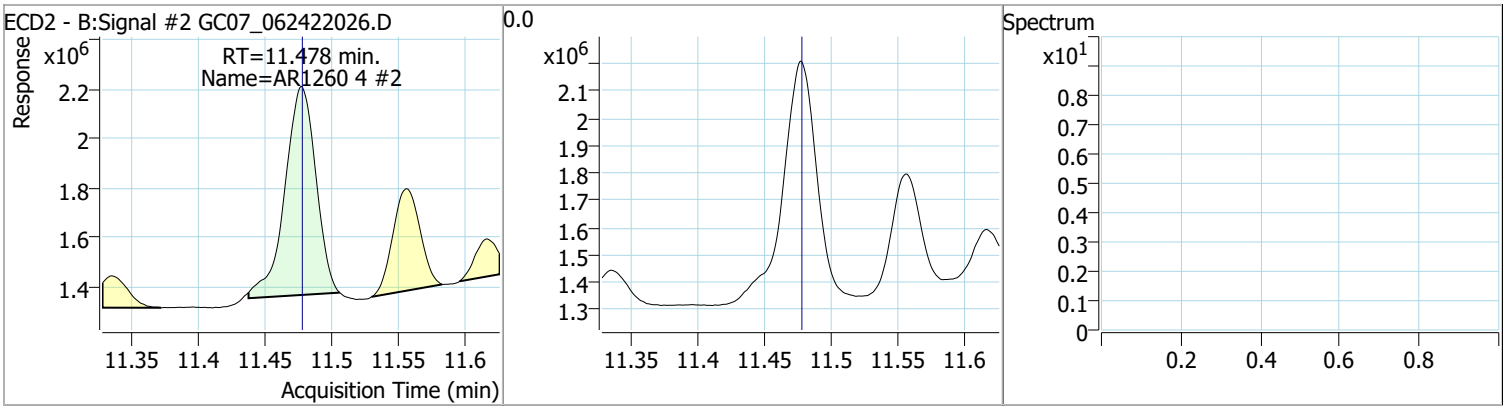
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	505.5144	11.03	0.00	2599121				



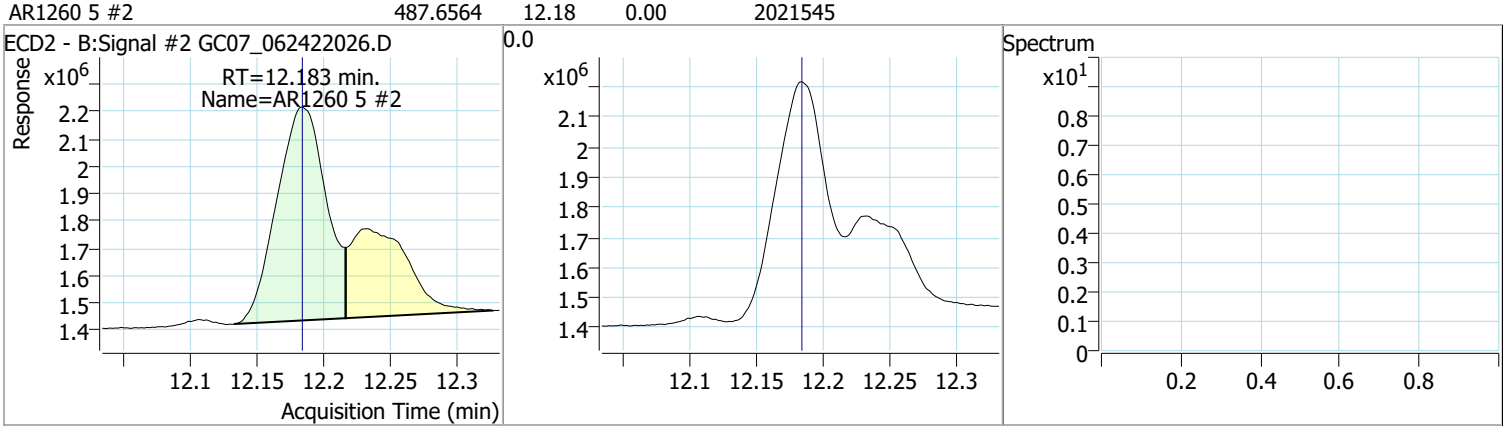
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	486.0640	11.23	0.00	4589367				



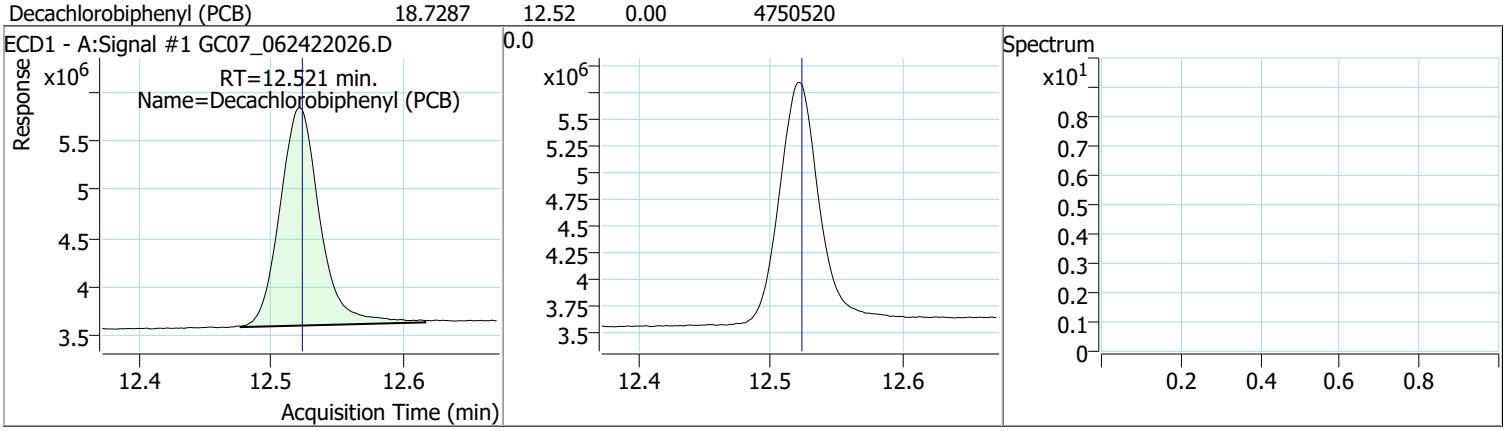
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	473.7649	11.48	0.00	1366676				



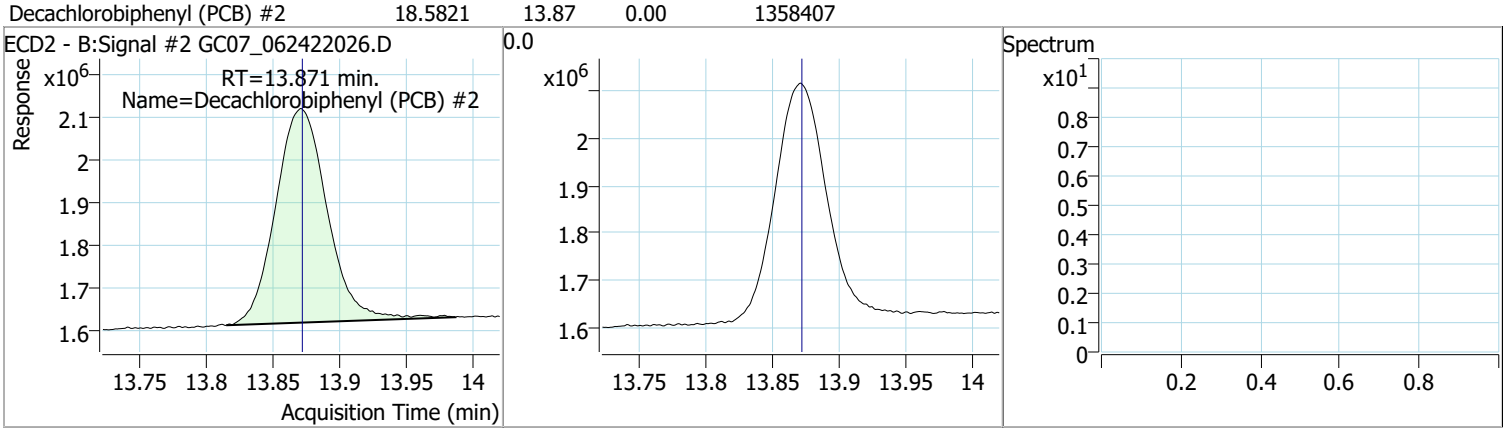
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	487.6564	12.18	0.00	2021545				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	18.7287	12.52	0.00	4750520				

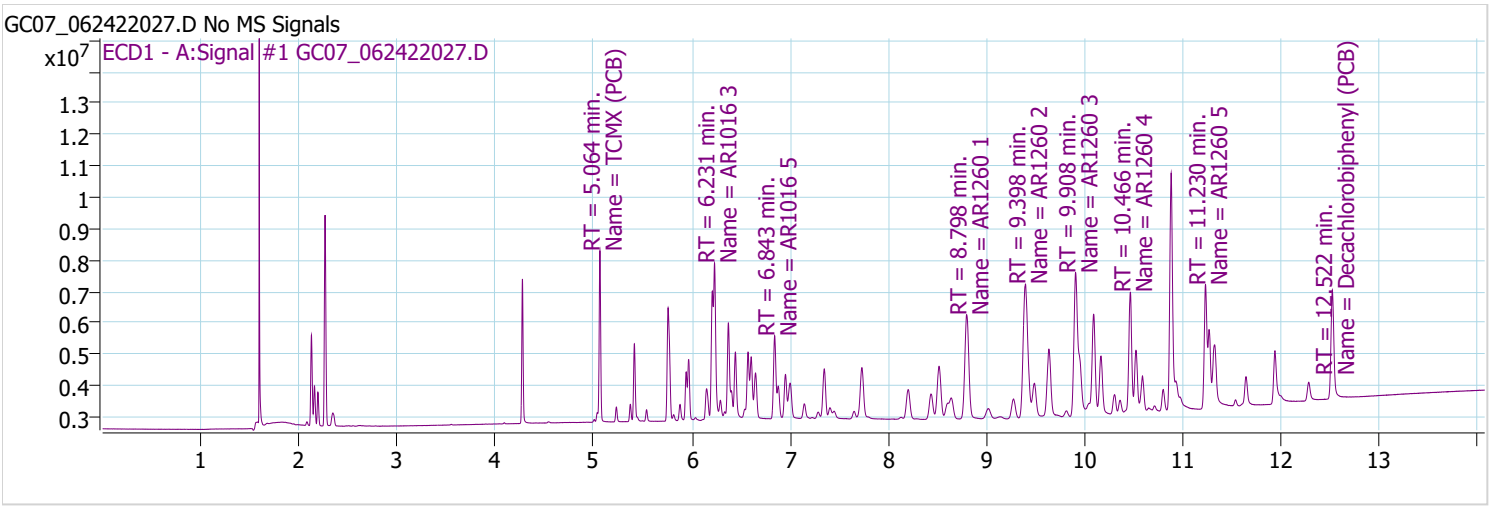


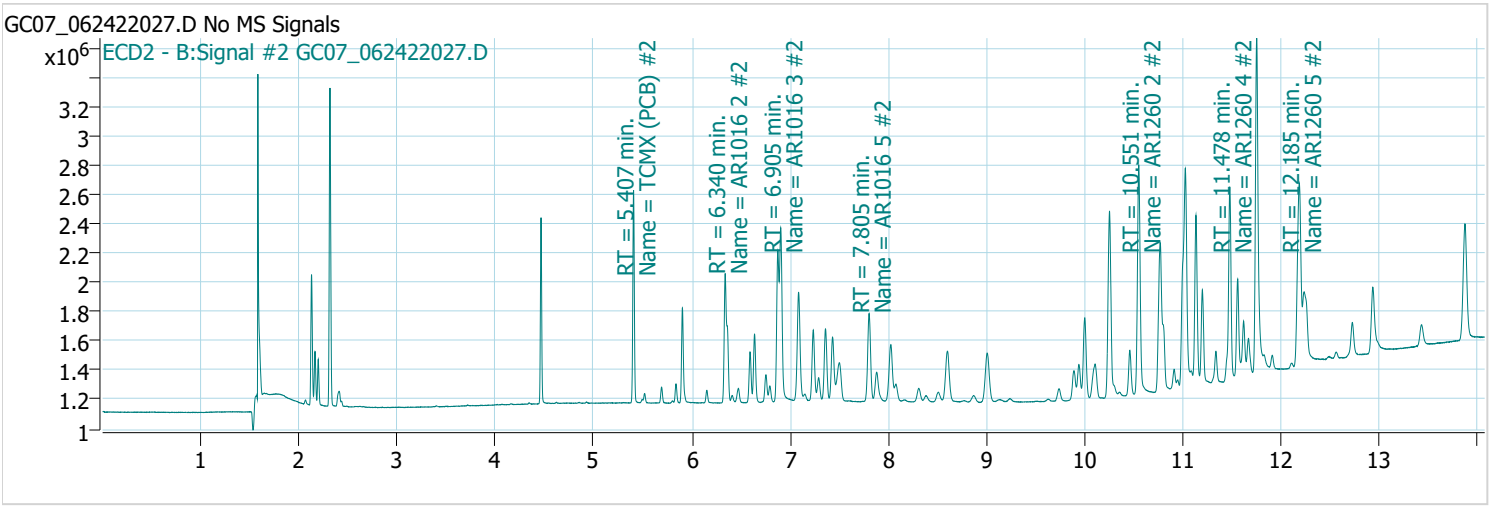
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	18.5821	13.87	0.00	1358407				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422027.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 2:07:06 AM
Sample Name	ICAL, S16726, 2.66	Instrument	SVOA-GC07
Vial	16	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	750 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



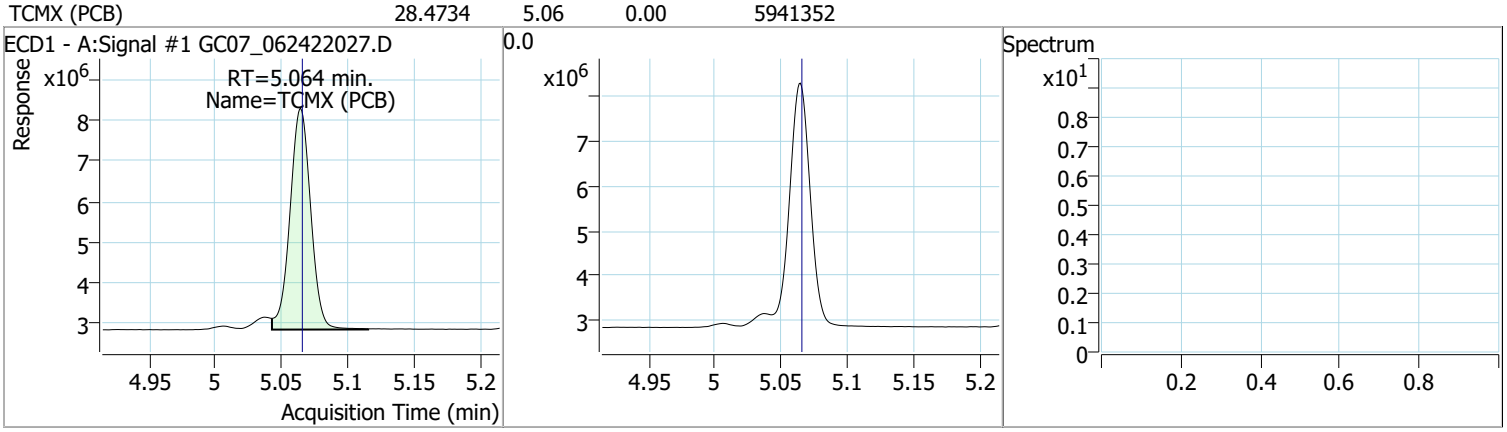


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.275	0.0	4424105.000	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.464	0.0	1157107.608	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.064	0.0	5941351.881	28.4734	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 142.37%		
S TCMX (PCB) #2	5.407	0.0	1565711.877	29.8159	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 149.08%		
S Decachlorobiphenyl (PCB)	12.522	0.0	7275207.517	29.4381	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 147.19%		
S Decachlorobiphenyl (PCB) #2	13.873	0.0	2090754.941	29.3435	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 146.72%		
Target Compounds						QValue

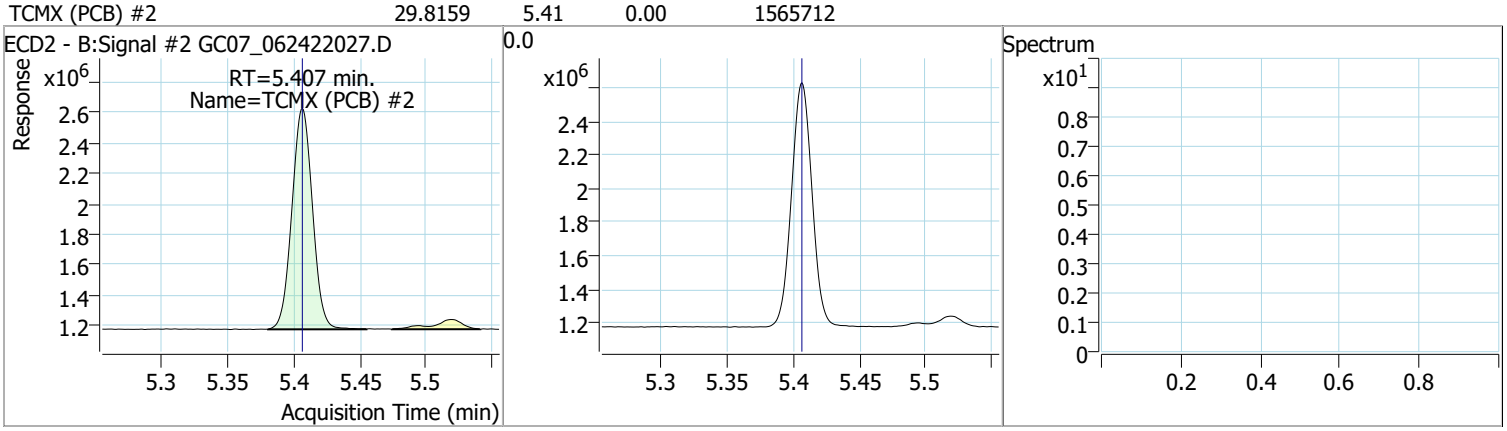
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.415	0.0	2987472.255	703.8748	ng/ml	m	100
T AR1016 2	5.758	0.0	6390444.056	694.7020	ng/ml		100
T AR1016 1 #2	5.904	0.0	850617.917	729.9780	ng/ml		100
T AR1016 3	6.231	0.0	7527661.058	706.6821	ng/ml		100
T AR1016 2 #2	6.340	0.0	1843224.286	726.4210	ng/ml		100
T AR1016 4	6.372	0.0	5500669.792	718.0979	ng/ml	m	100
T AR1016 5	6.843	0.0	4575781.288	717.1436	ng/ml		100
T AR1016 3 #2	6.905	0.0	2117268.136	727.4376	ng/ml		100
T AR1016 4 #2	7.087	0.0	1498091.864	741.6030	ng/ml		100
T AR1016 5 #2	7.805	0.0	1242512.045	736.3245	ng/ml		100
T AR1260 1	8.798	0.0	10255961.782	761.1569	ng/ml		100
T AR1260 2	9.398	0.0	14181456.773	733.1832	ng/ml		100
T AR1260 3	9.908	0.0	14575945.035	743.6300	ng/ml		100
T AR1260 1 #2	10.253	0.0	2744668.361	748.9708	ng/ml		100
T AR1260 4	10.466	0.0	7305100.785	729.0352	ng/ml		100
T AR1260 2 #2	10.551	0.0	3083387.233	757.3316	ng/ml		100
T AR1260 3 #2	11.025	0.0	3988085.687	795.8224	ng/ml		100
T AR1260 5	11.230	0.0	7433526.896	808.0391	ng/ml		100
T AR1260 4 #2	11.478	0.0	2244748.204	798.3797	ng/ml		100
T AR1260 5 #2	12.185	0.0	3113694.070	770.6392	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

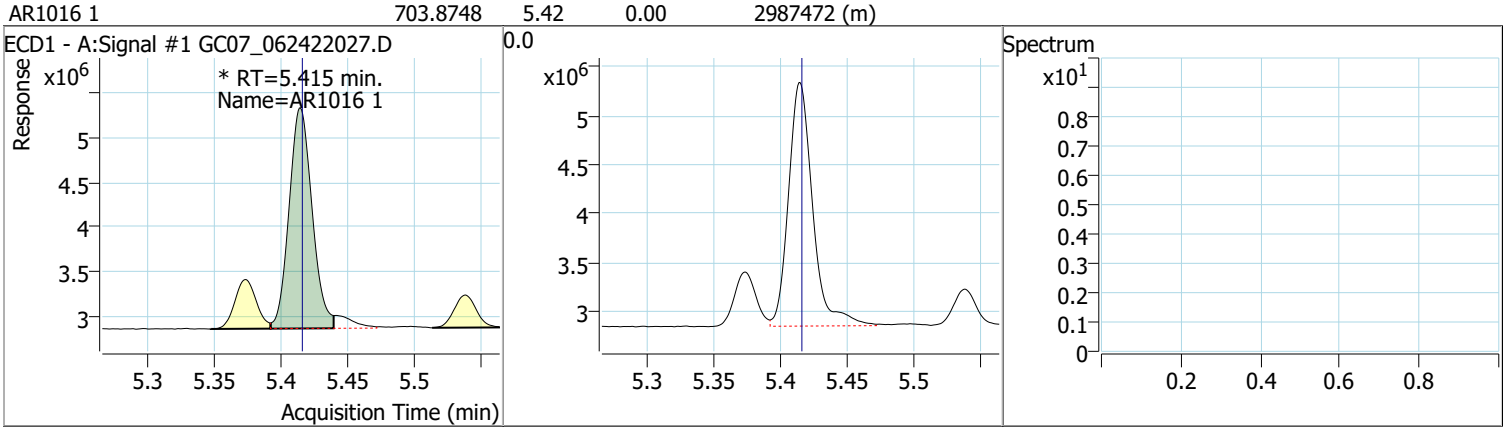
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	28.4734	5.06	0.00	5941352				



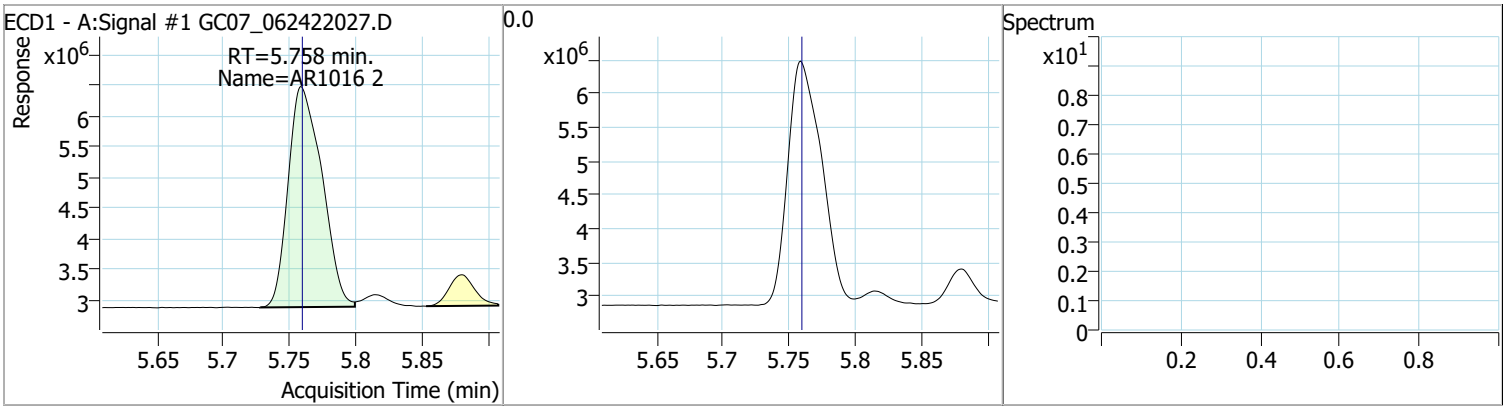
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	29.8159	5.41	0.00	1565712				



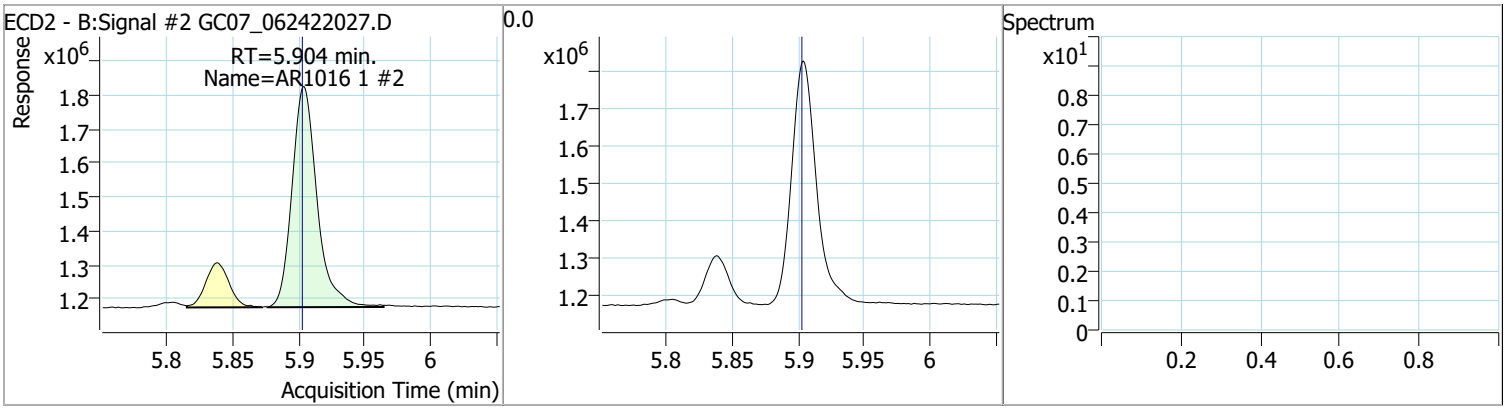
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	703.8748	5.42	0.00	2987472 (m)				



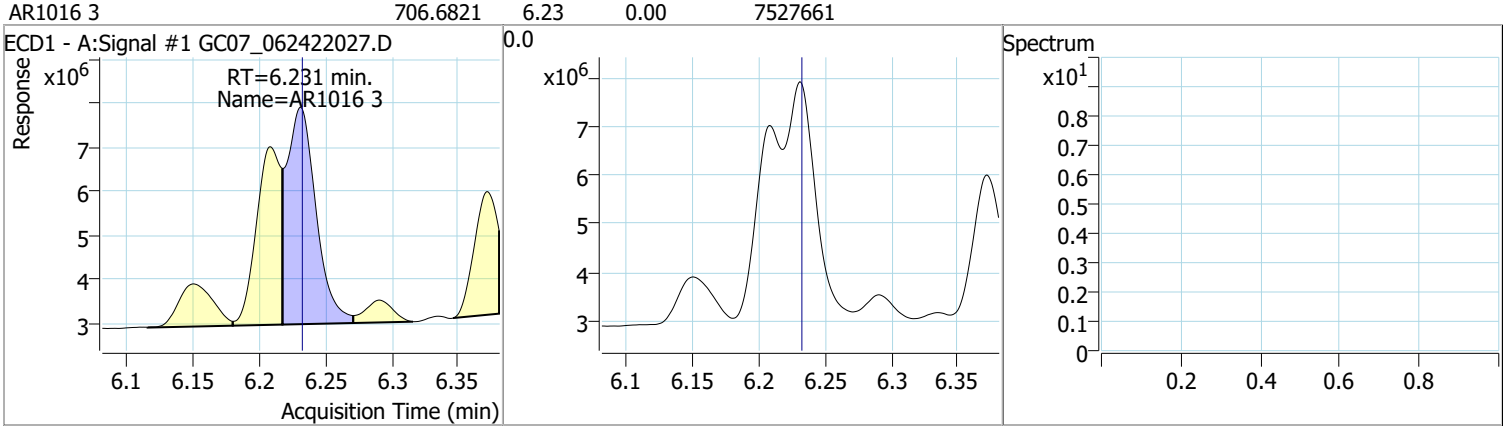
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	694.7020	5.76	0.00	6390444				



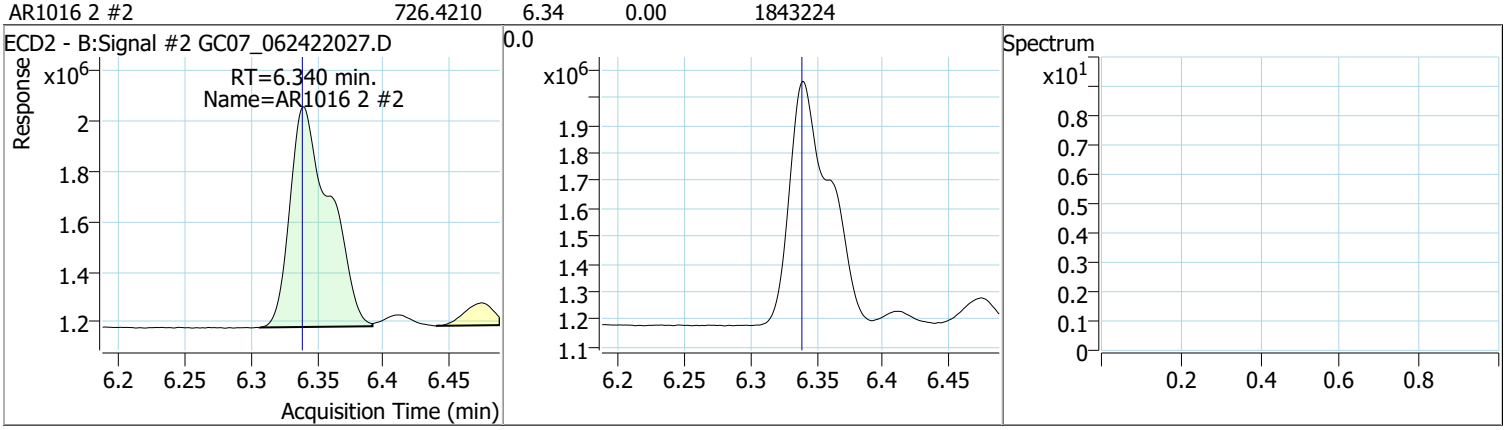
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	729.9780	5.90	0.00	850618				



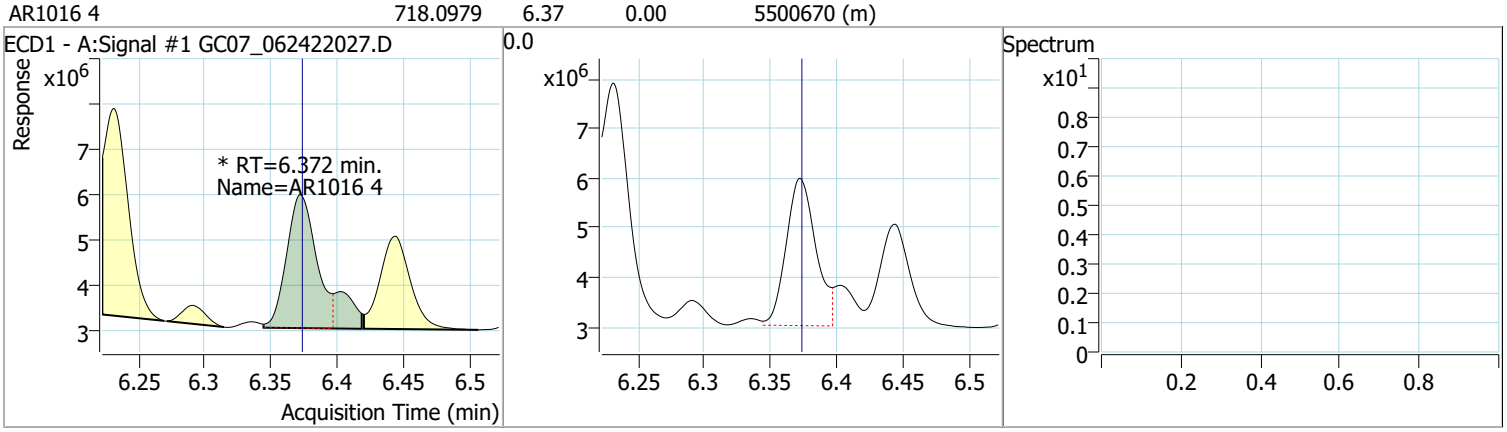
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	706.6821	6.23	0.00	7527661				



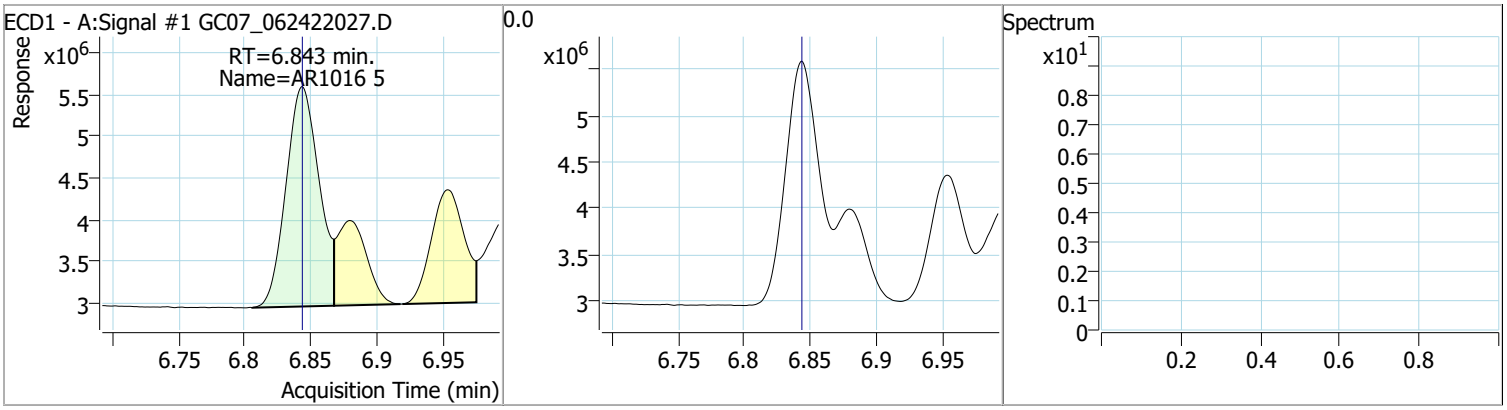
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	726.4210	6.34	0.00	1843224				



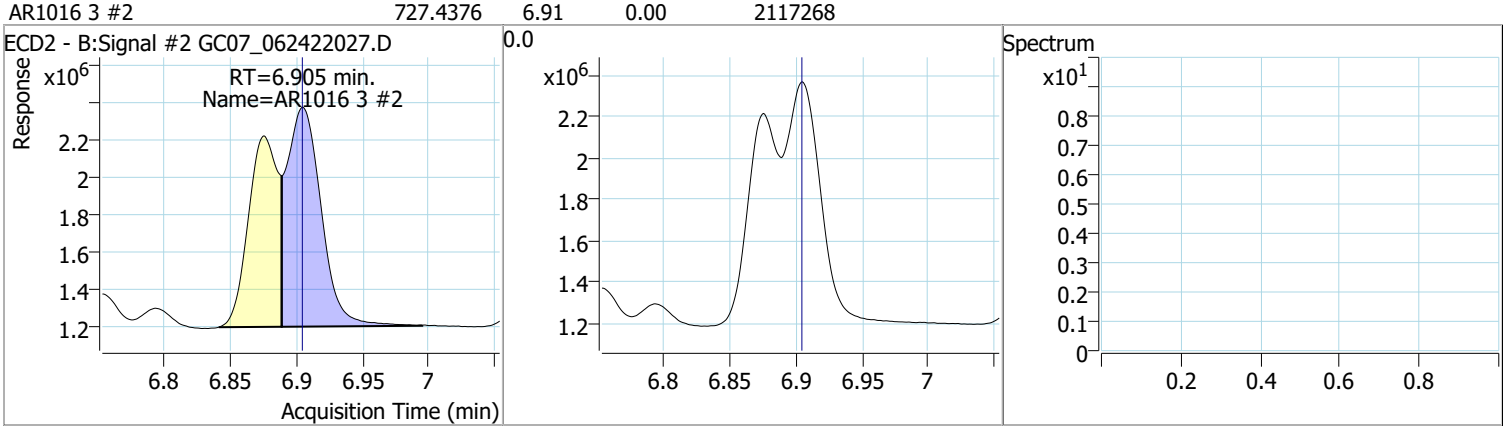
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	718.0979	6.37	0.00	5500670 (m)				



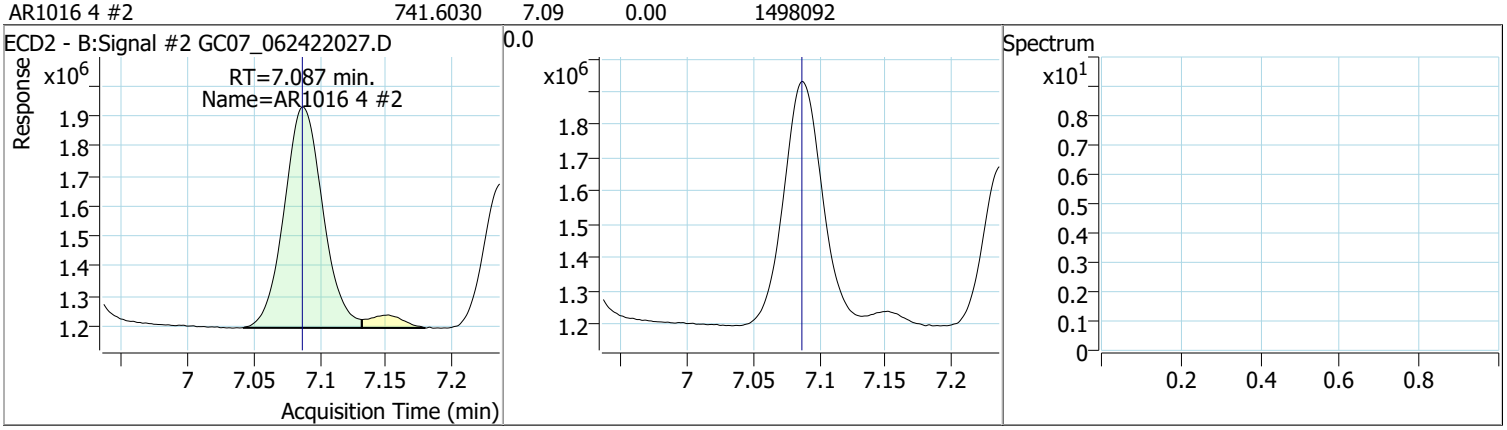
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	717.1436	6.84	0.00	4575781				



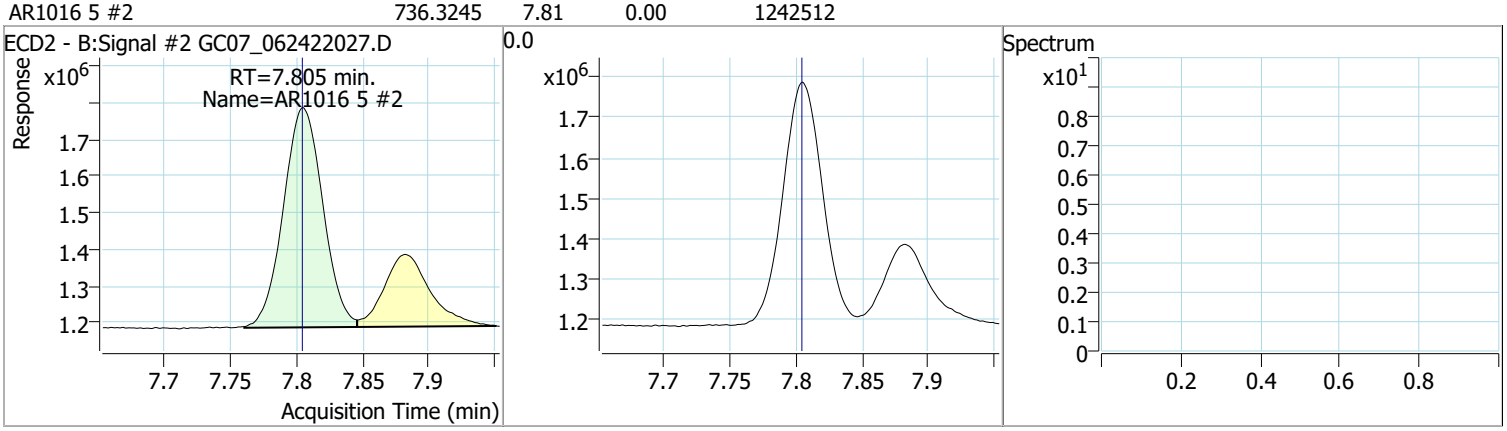
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	727.4376	6.91	0.00	2117268				



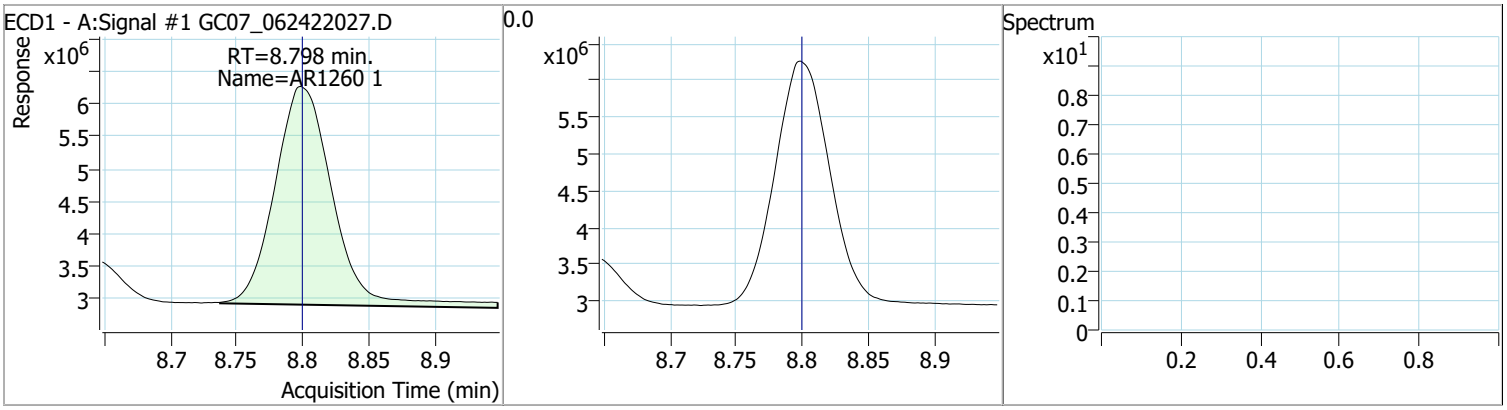
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	741.6030	7.09	0.00	1498092				



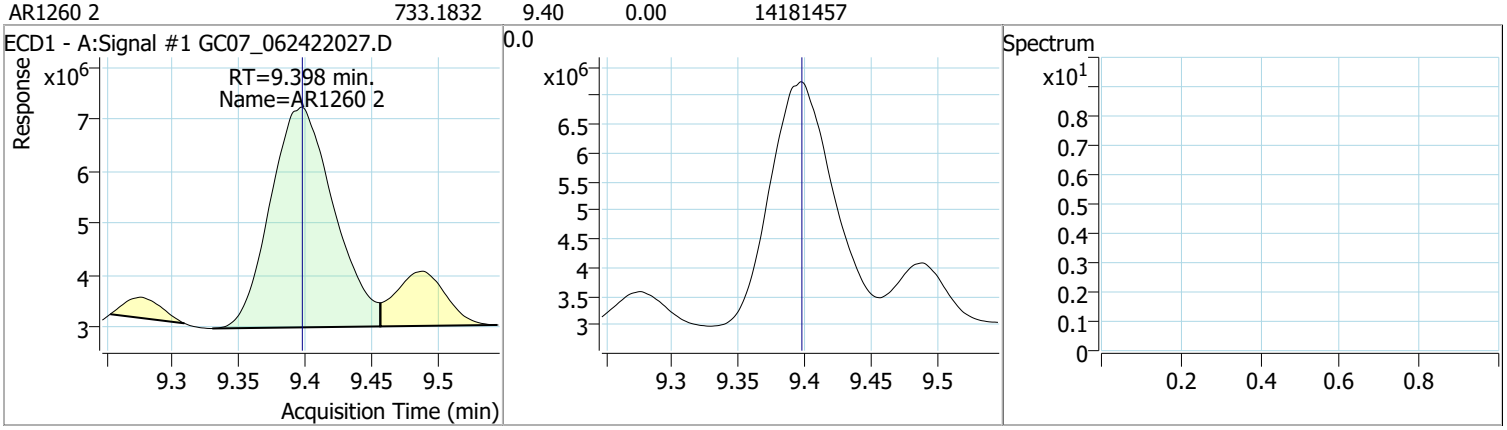
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	736.3245	7.81	0.00	1242512				



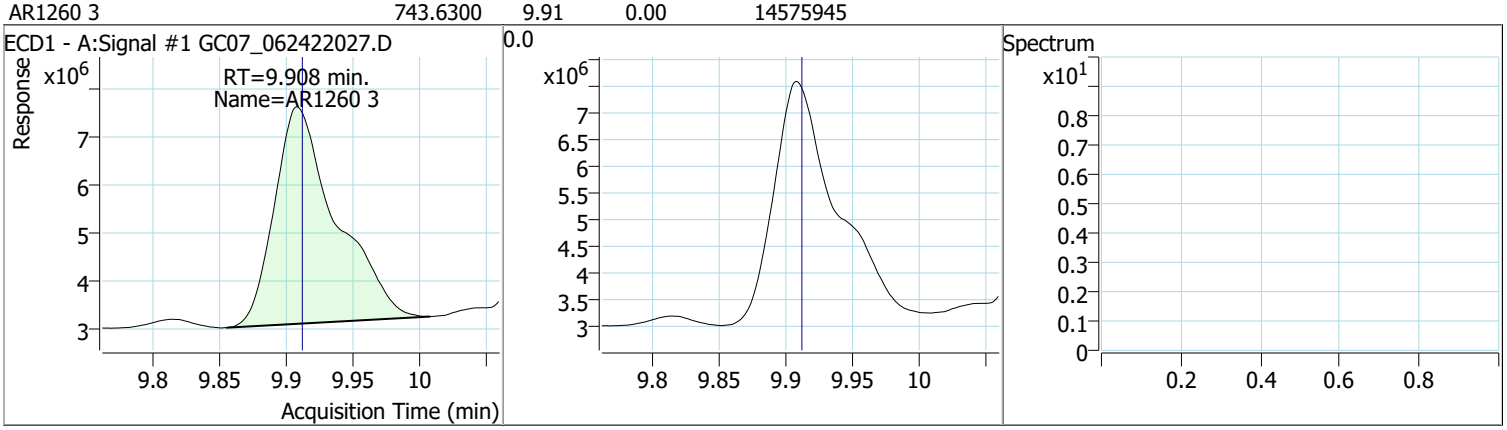
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	761.1569	8.80	0.00	10255962				



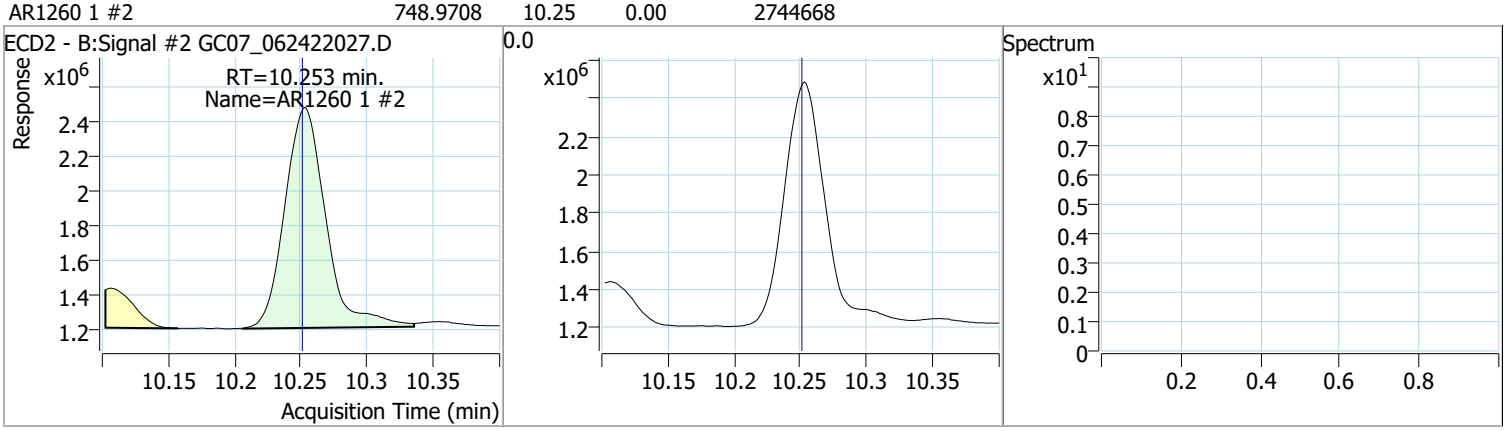
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	733.1832	9.40	0.00	14181457				



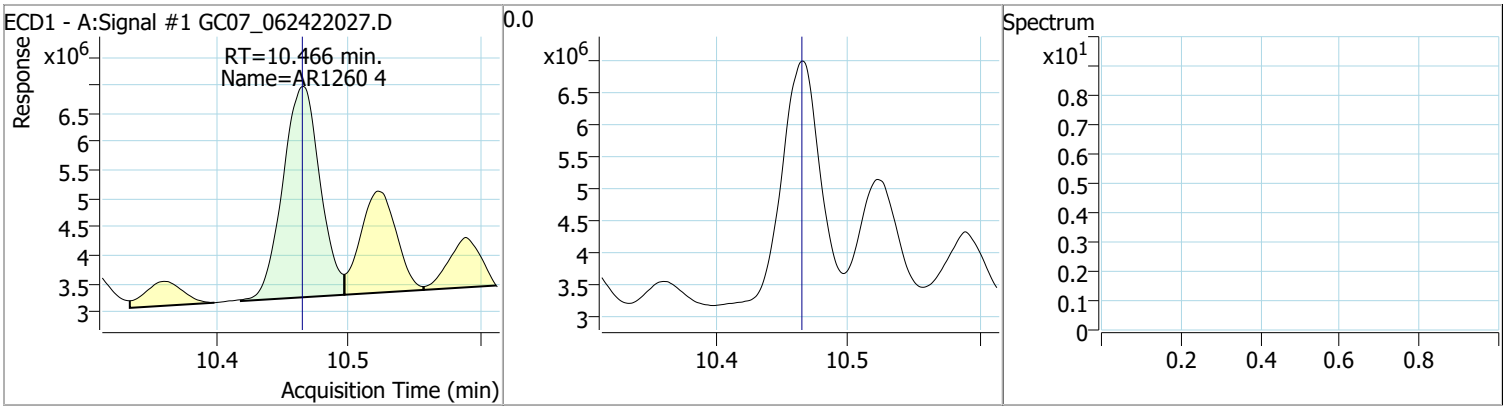
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	743.6300	9.91	0.00	14575945				



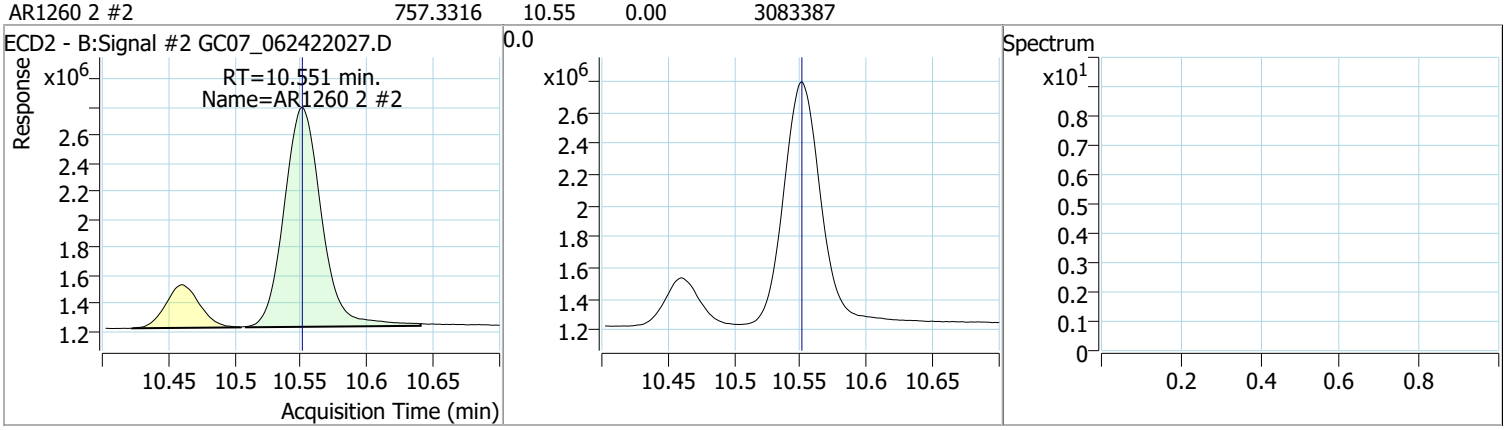
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	748.9708	10.25	0.00	2744668				



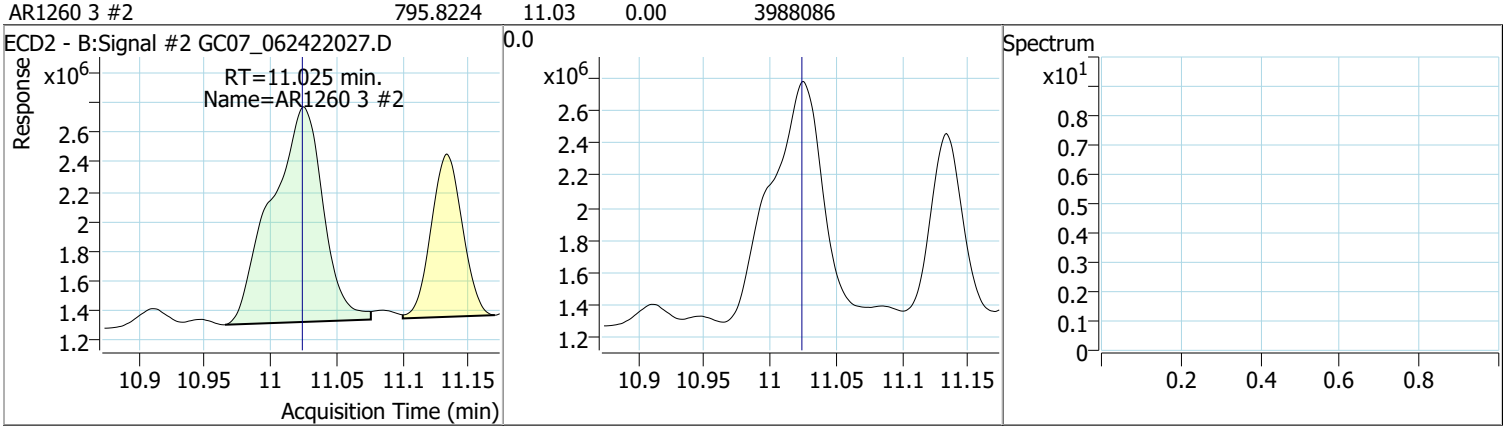
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	729.0352	10.47	0.00	7305101				



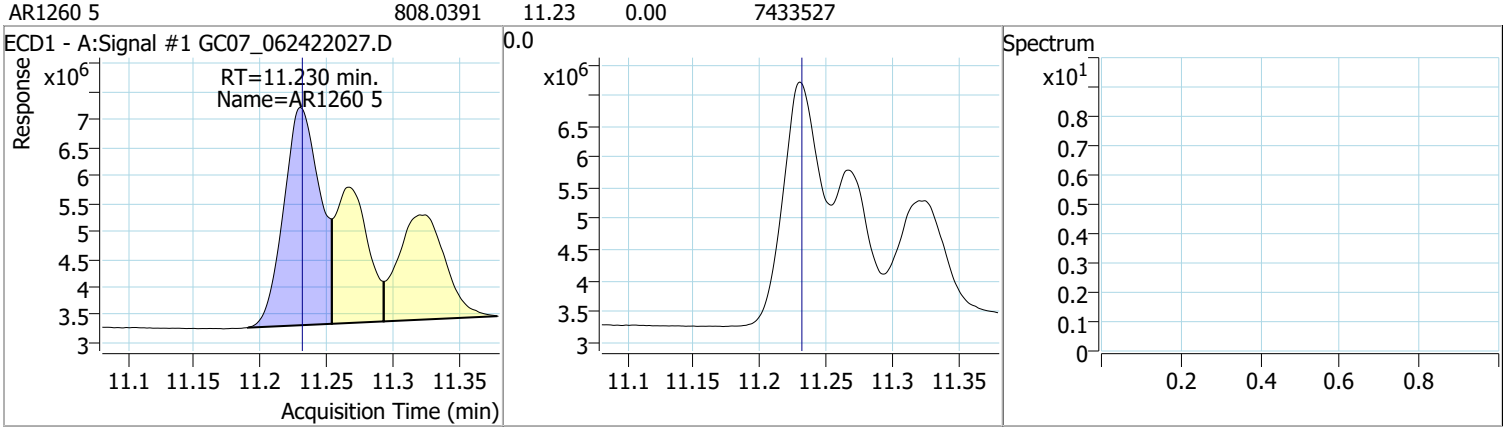
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	757.3316	10.55	0.00	3083387				



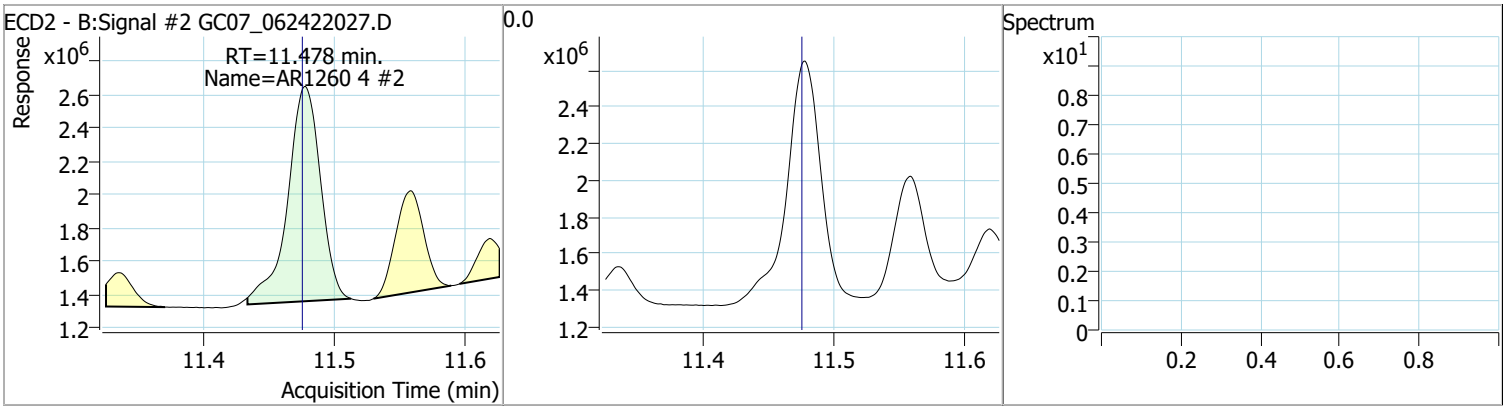
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	795.8224	11.03	0.00	3988086				



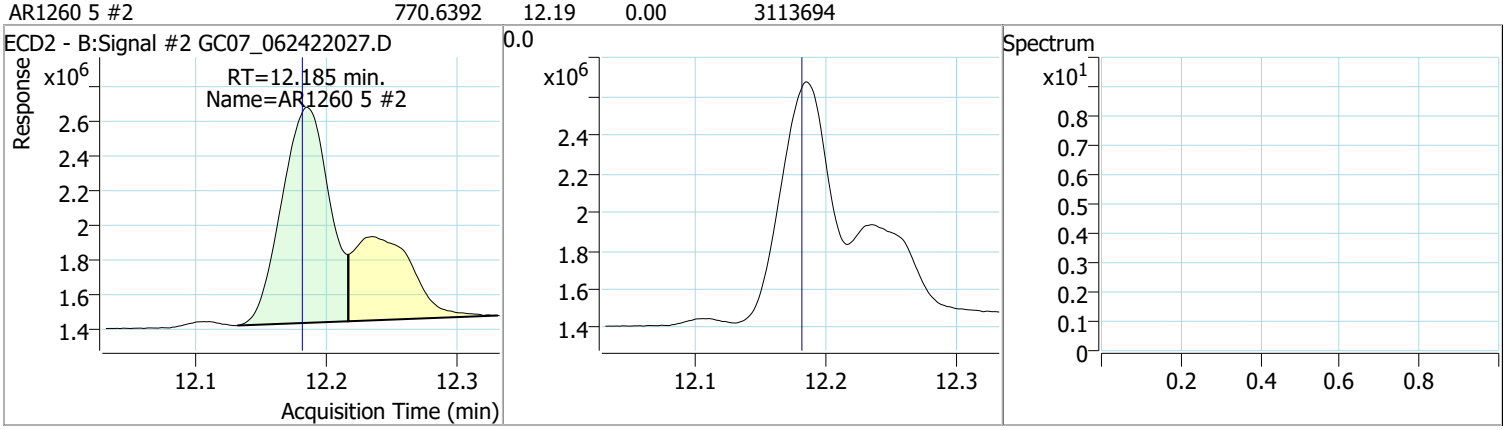
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	808.0391	11.23	0.00	7433527				



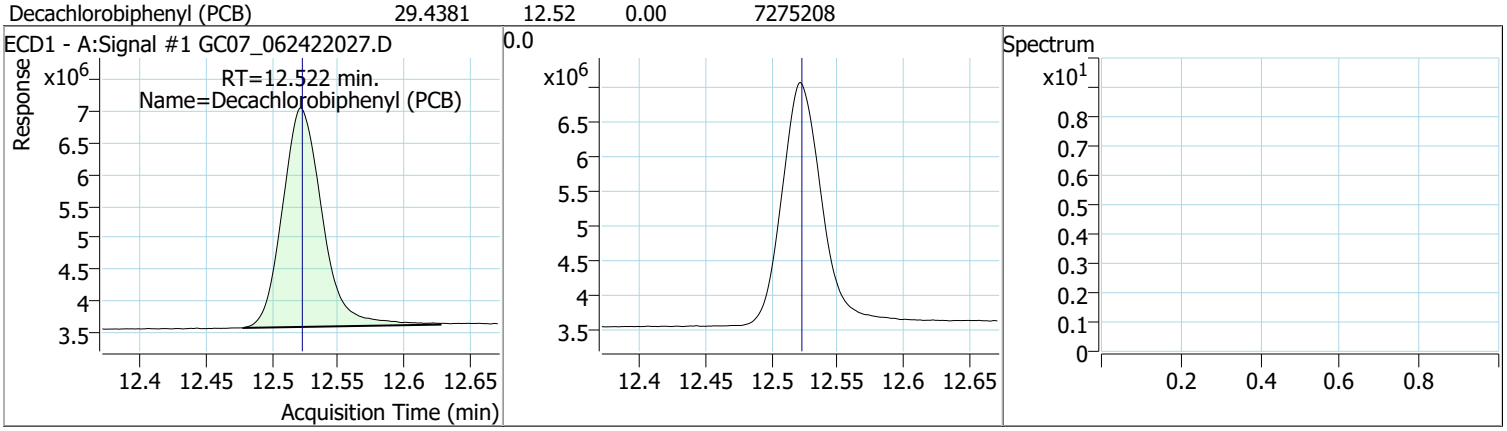
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	798.3797	11.48	0.00	2244748				



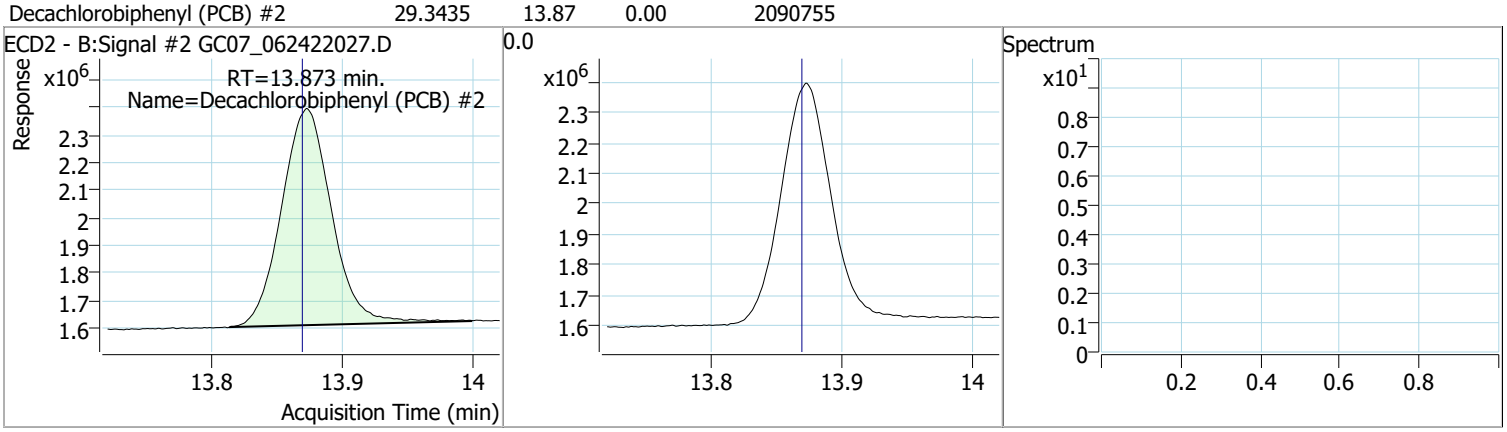
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	770.6392	12.19	0.00	3113694				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	29.4381	12.52	0.00	7275208				

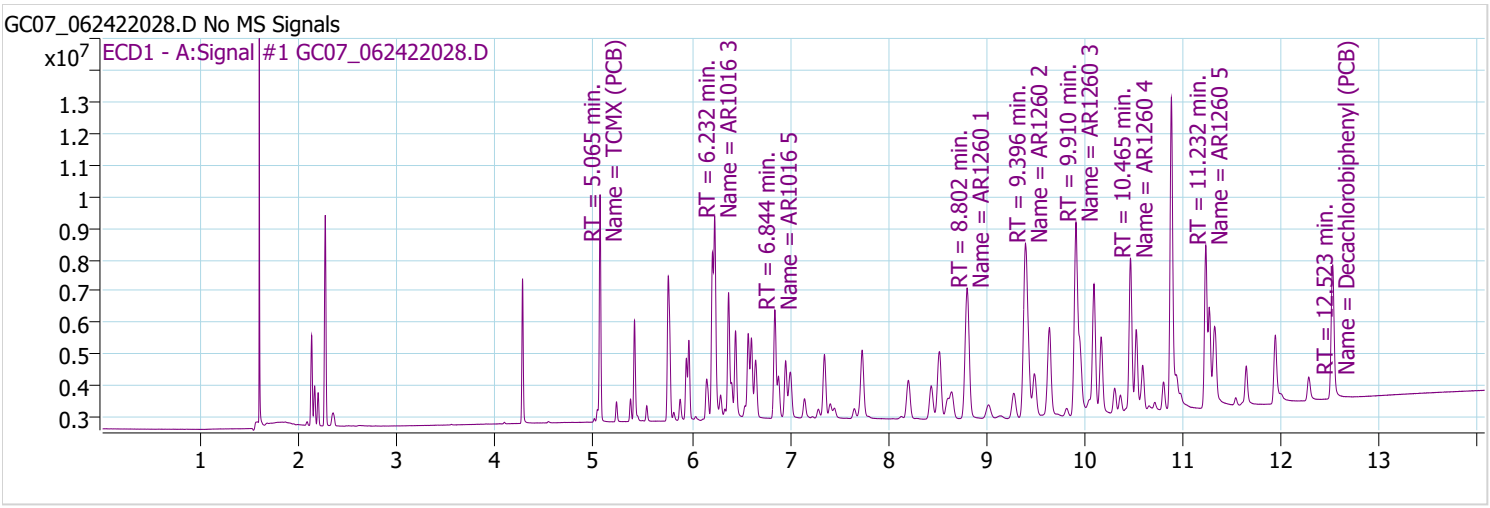


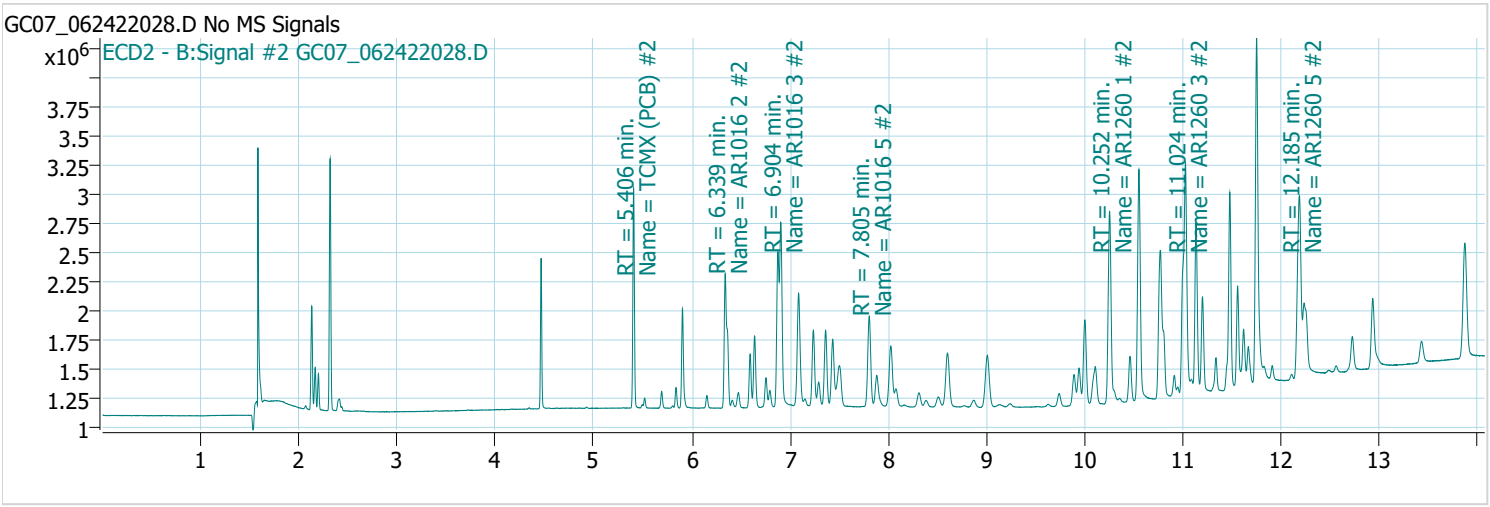
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	29.3435	13.87	0.00	2090755				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422028.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 2:24:39 AM
Sample Name	ICAL,S16726, 2	Instrument	SVOA-GC07
Vial	17	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	1000 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



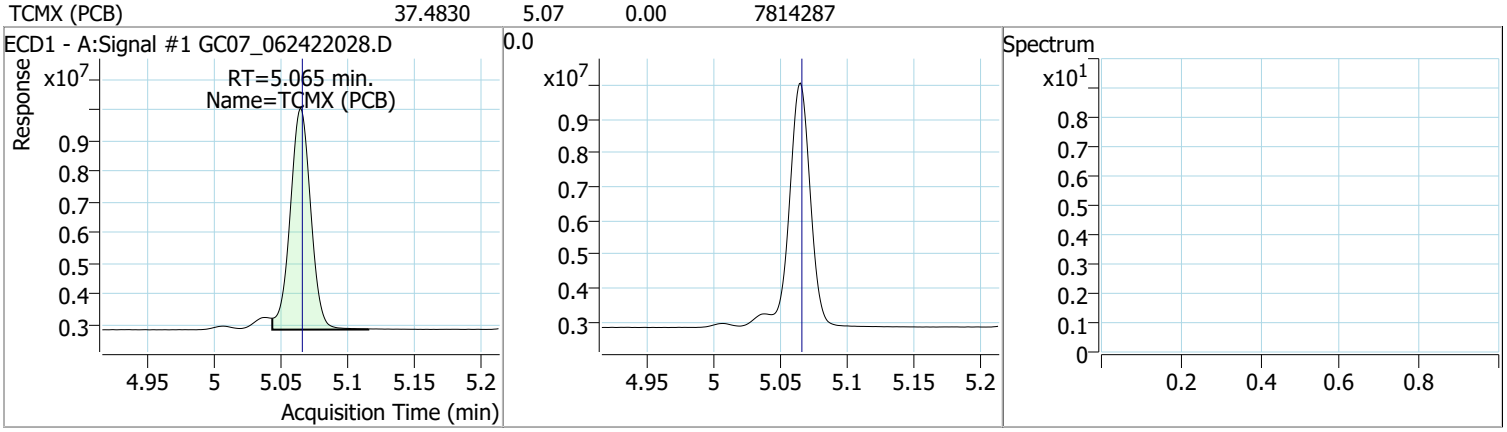


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.276	0.0	4420132.200	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.464	0.0	1163922.916	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.065	0.0	7814286.580	37.4830	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.41%		*	
S TCMX (PCB) #2	5.406	0.0	2078088.887	39.3414	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 196.71%		*	
S Decachlorobiphenyl (PCB)	12.523	0.0	9259543.832	37.5011	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.51%		*	
S Decachlorobiphenyl (PCB) #2	13.869	0.0	2692099.834	37.5620	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.81%		*	
Target Compounds							QValue

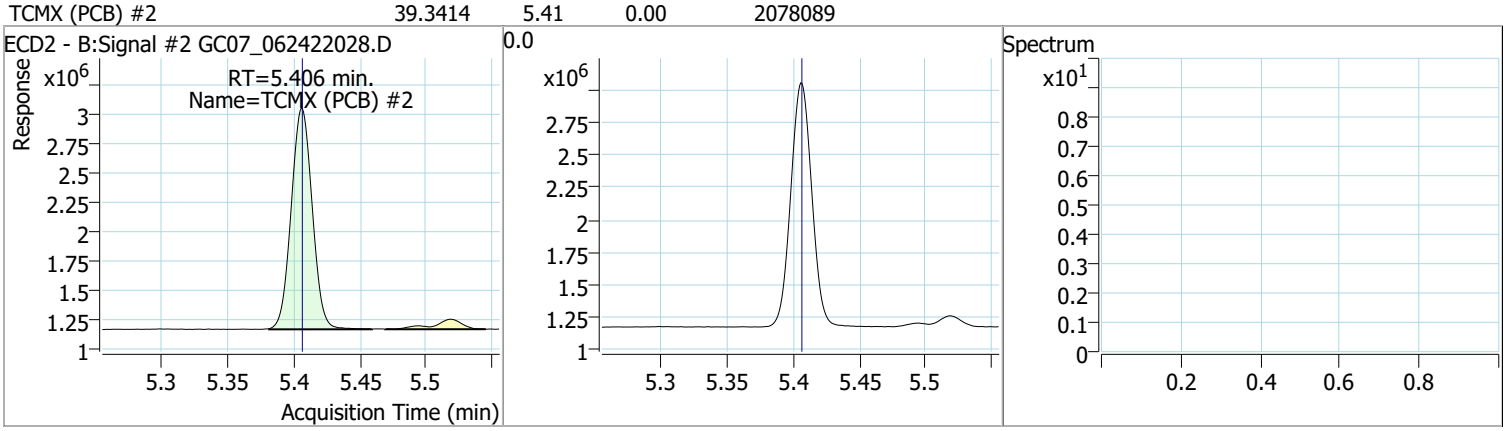
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.415	0.0	3880009.754	914.9861	ng/ml	m	100
T AR1016 2	5.759	0.0	8231794.671	895.6786	ng/ml		100
T AR1016 1 #2	5.903	0.0	1120598.473	956.0373	ng/ml		100
T AR1016 3	6.232	0.0	9798395.587	920.6810	ng/ml		100
T AR1016 2 #2	6.339	0.0	2406093.208	942.6971	ng/ml		100
T AR1016 4	6.373	0.0	7134338.585	932.2062	ng/ml		100
T AR1016 5	6.844	0.0	5906325.814	926.5065	ng/ml		100
T AR1016 3 #2	6.904	0.0	2789498.032	952.7862	ng/ml		100
T AR1016 4 #2	7.086	0.0	1980909.335	974.8710	ng/ml		100
T AR1016 5 #2	7.805	0.0	1634772.757	963.1093	ng/ml		100
T AR1260 1	8.802	0.0	12151492.682	902.6463	ng/ml		100
T AR1260 2	9.396	0.0	18030089.728	932.9958	ng/ml		100
T AR1260 3	9.910	0.0	18640207.223	951.8337	ng/ml		100
T AR1260 1 #2	10.252	0.0	3522414.927	955.5756	ng/ml		100
T AR1260 4	10.465	0.0	9235324.184	922.4963	ng/ml		100
T AR1260 2 #2	10.551	0.0	3921213.965	957.4764	ng/ml		100
T AR1260 3 #2	11.024	0.0	5095147.262	1010.7830	ng/ml		100
T AR1260 5	11.232	0.0	9455583.328	1028.7645	ng/ml		100
T AR1260 4 #2	11.476	0.0	2768819.775	979.0076	ng/ml		100
T AR1260 5 #2	12.185	0.0	3988409.501	981.3511	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

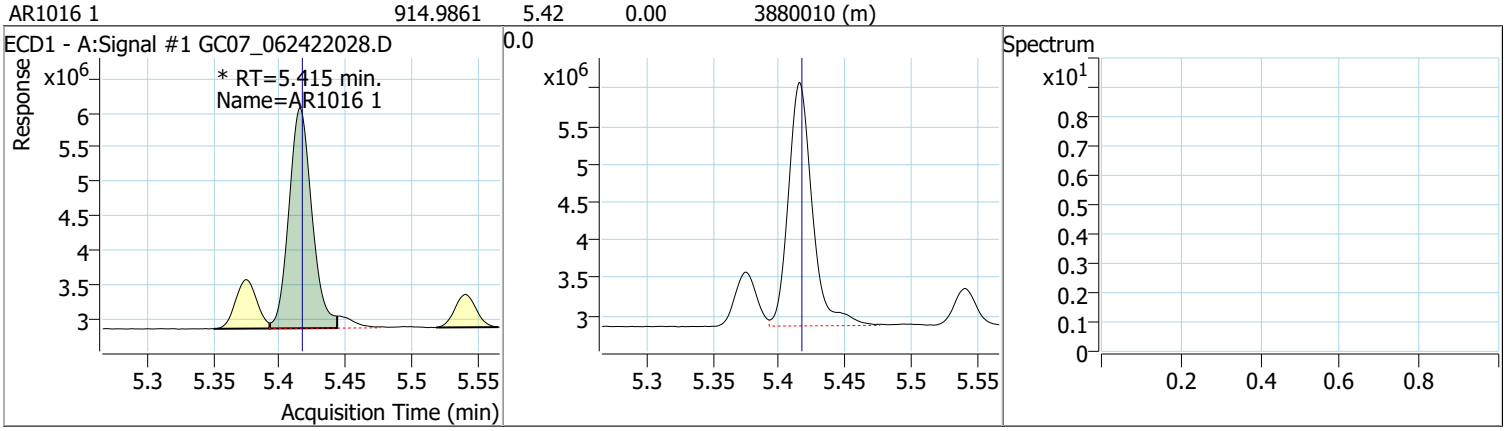
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	37.4830	5.07	0.00	7814287				



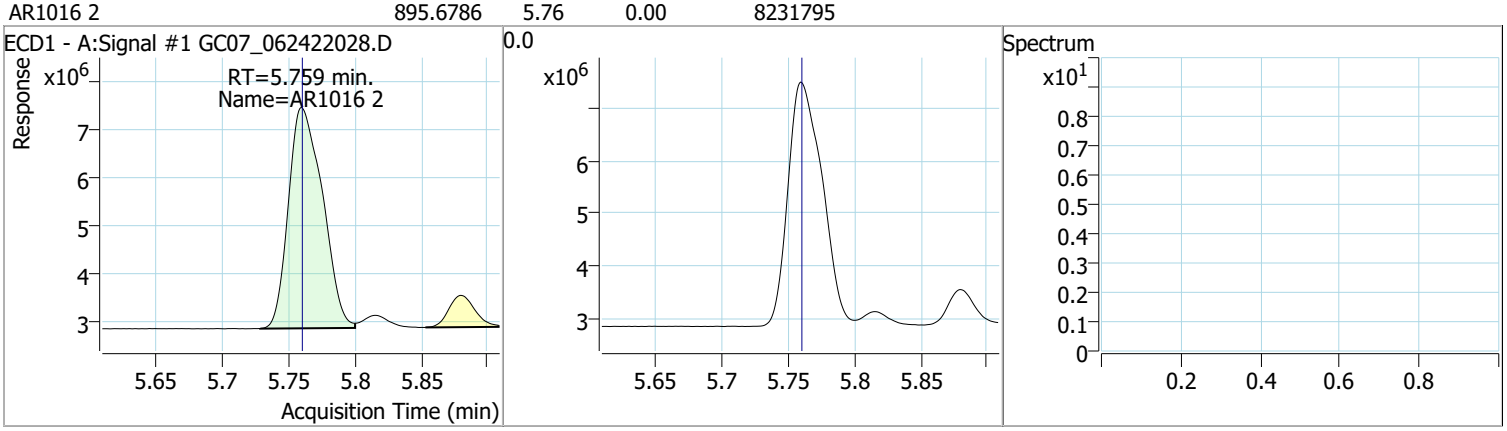
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	39.3414	5.41	0.00	2078089				



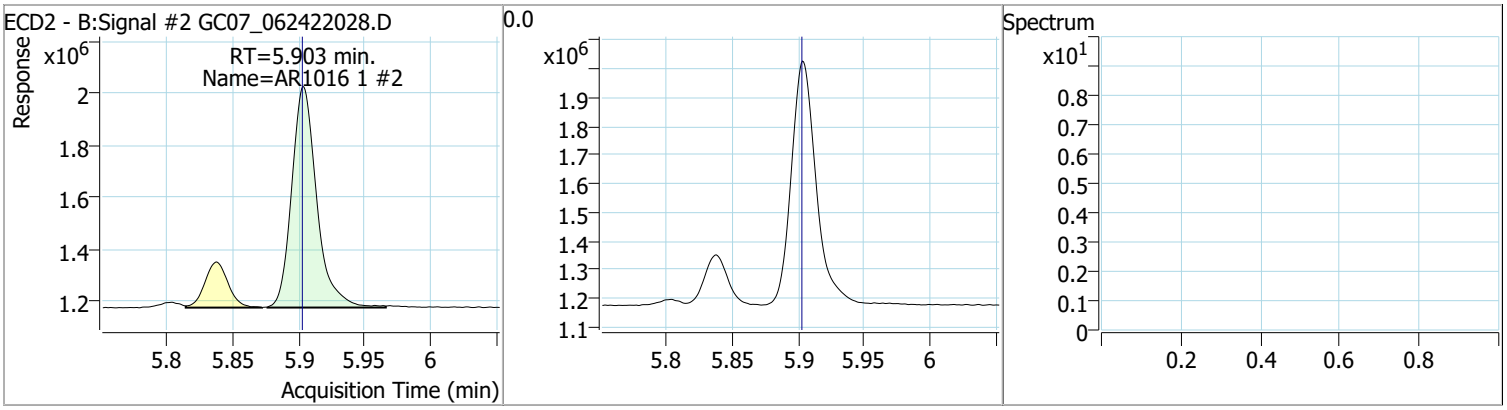
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	914.9861	5.42	0.00	3880010 (m)				



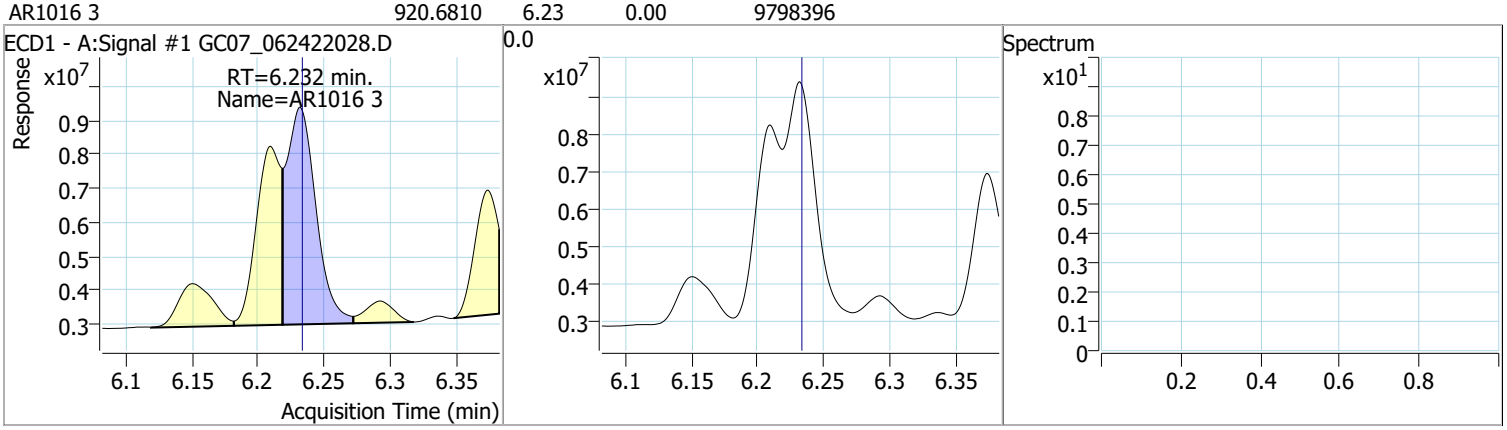
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	895.6786	5.76	0.00	8231795				



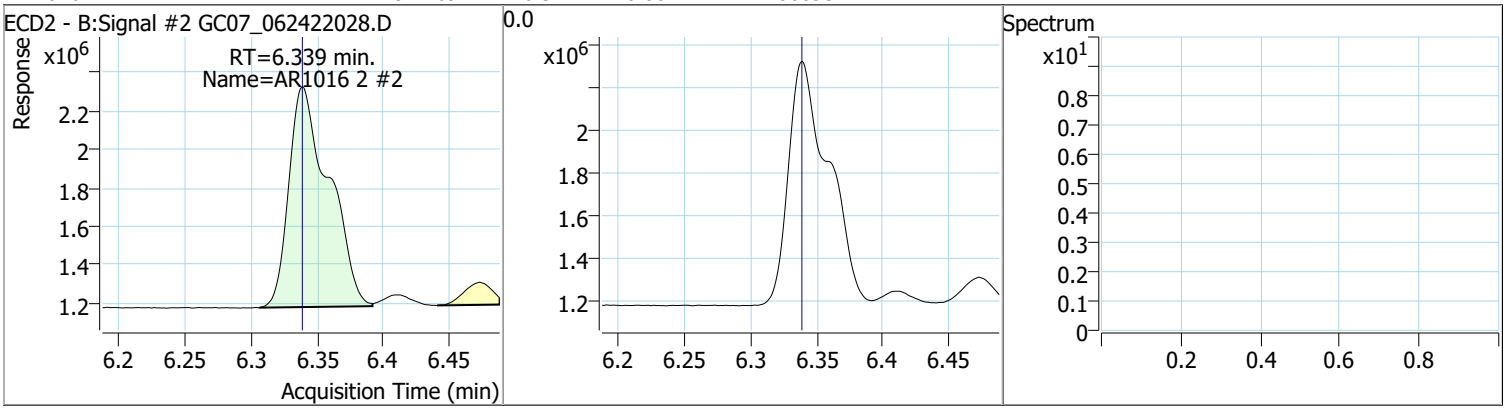
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	956.0373	5.90	0.00	1120598				



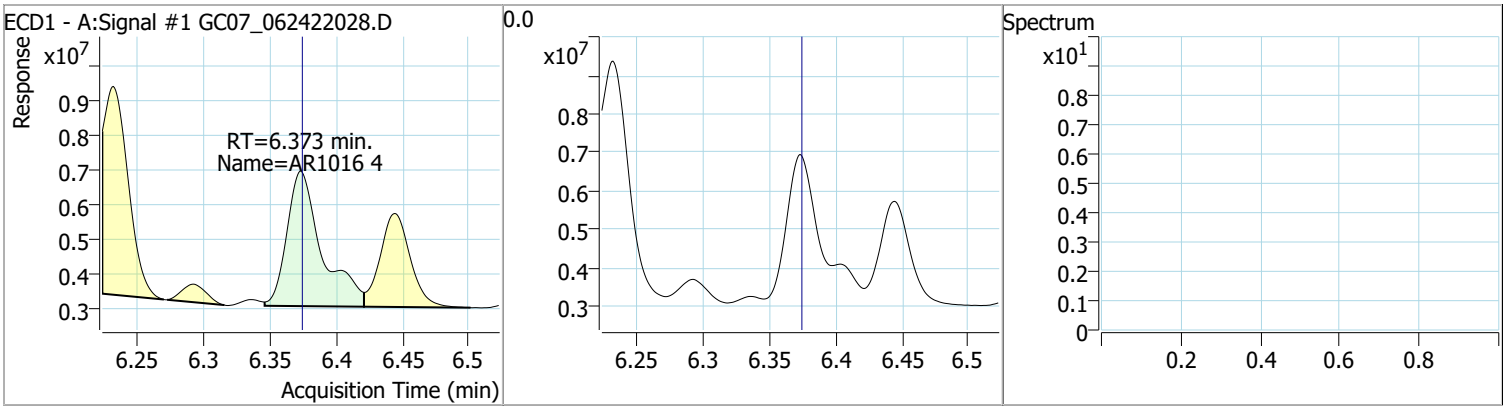
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	920.6810	6.23	0.00	9798396				



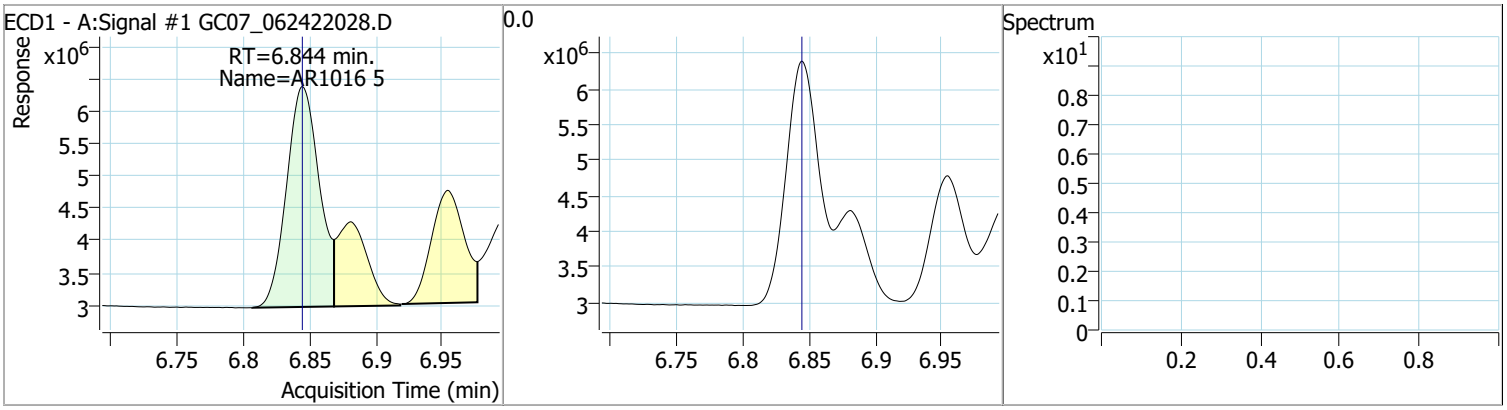
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	942.6971	6.34	0.00	2406093				



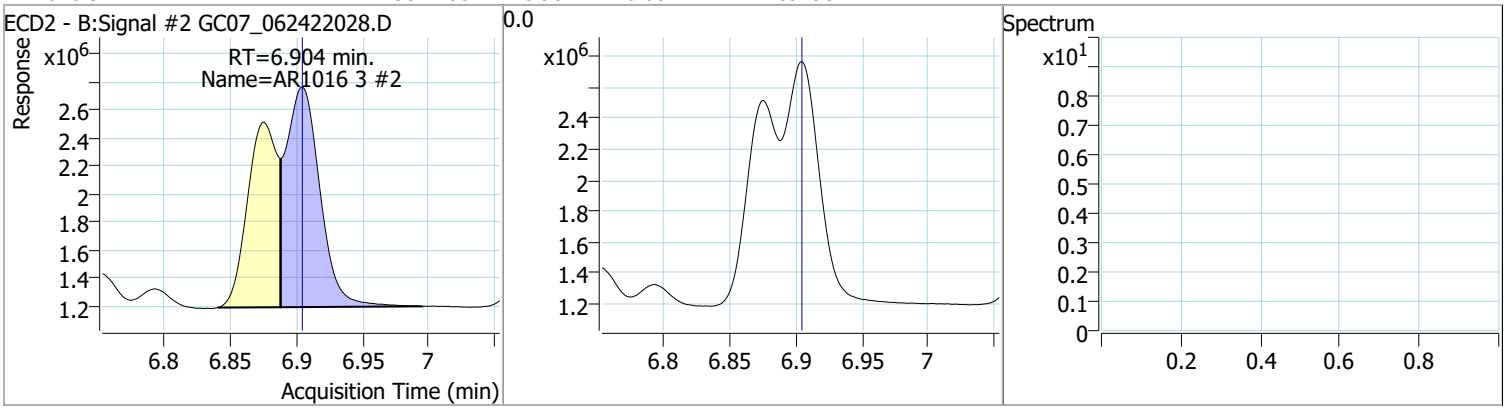
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	932.2062	6.37	0.00	7134339				



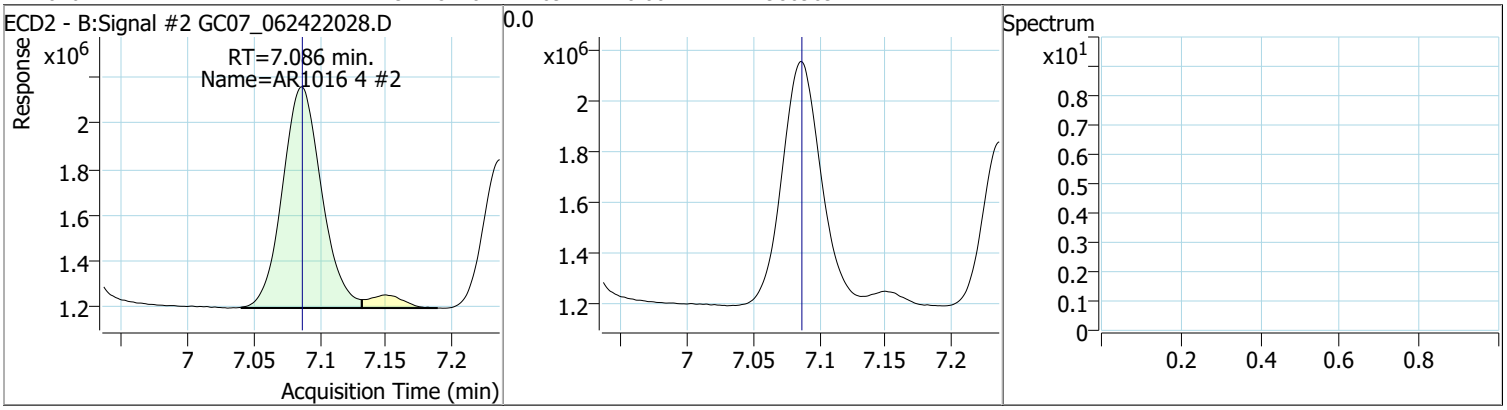
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	926.5065	6.84	0.00	5906326				



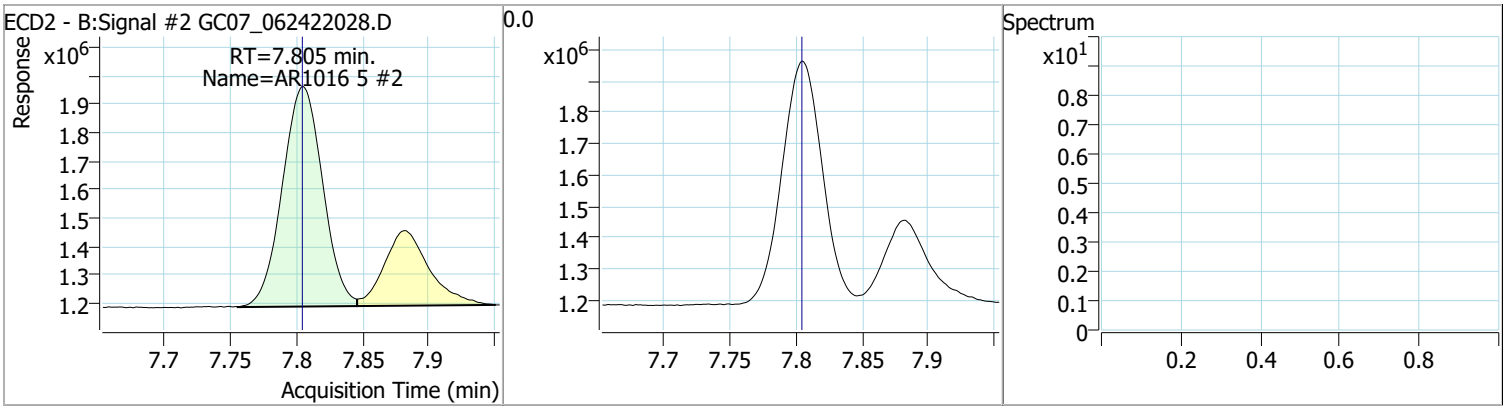
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	952.7862	6.90	0.00	2789498				



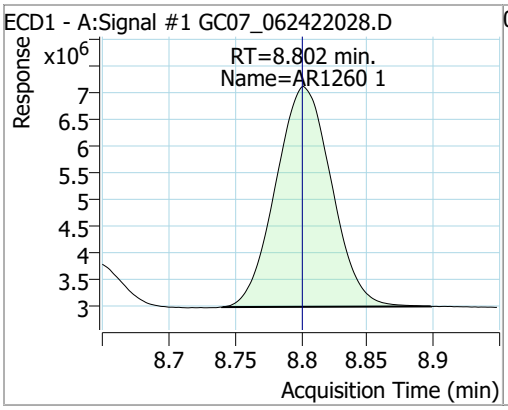
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	974.8710	7.09	0.00	1980909				

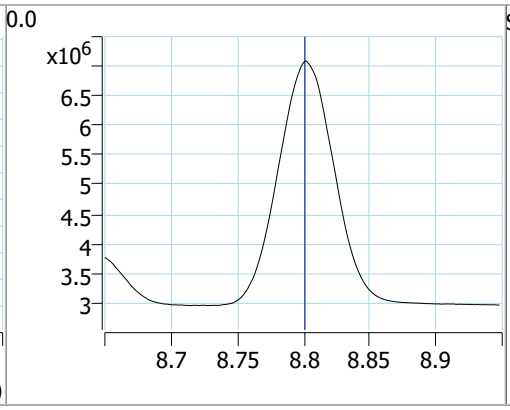


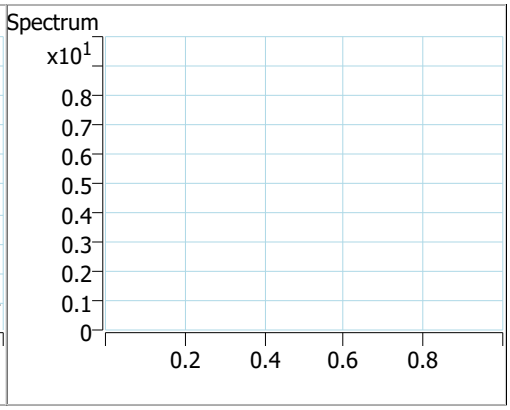
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	963.1093	7.81	0.00	1634773				



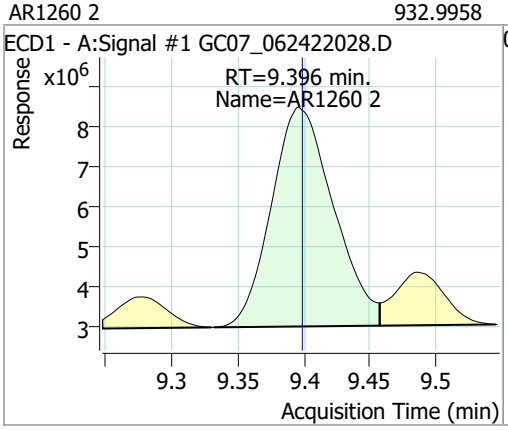
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	902.6463	8.80	0.00	12151493				

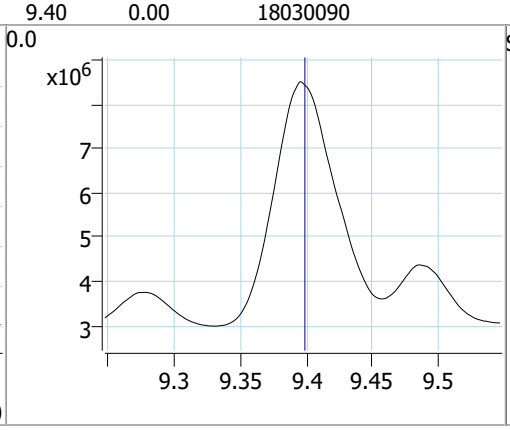


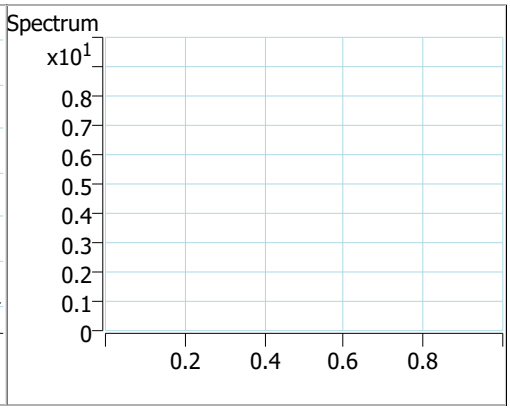




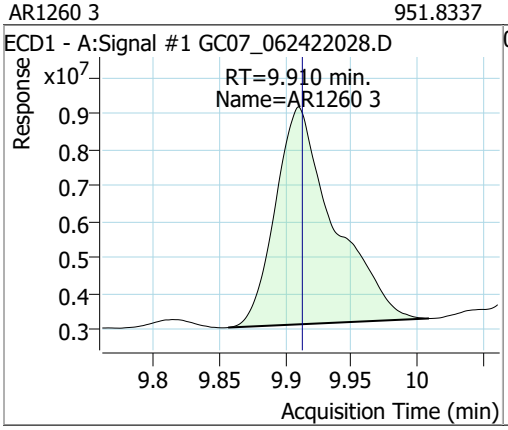
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	932.9958	9.40	0.00	18030090				

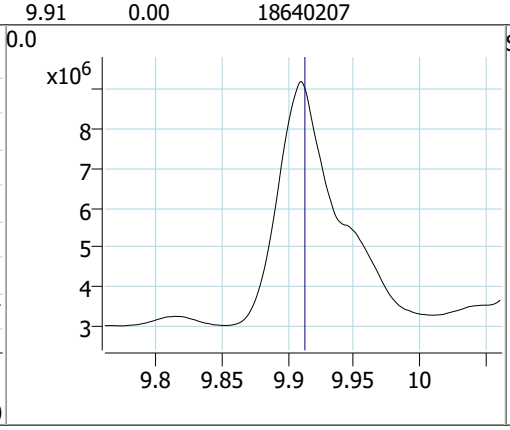


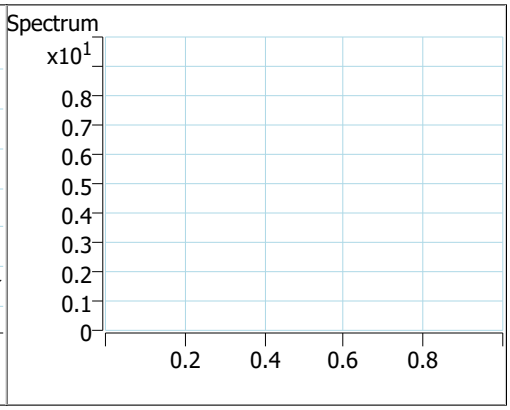




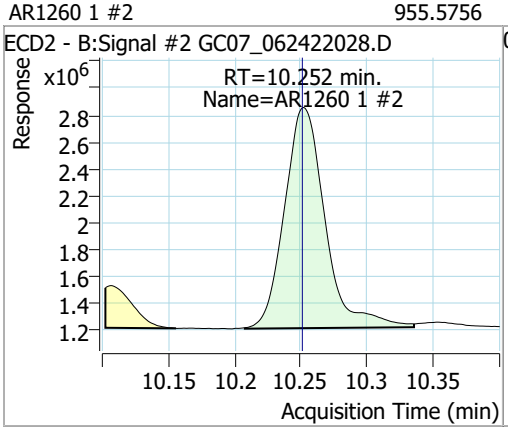
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	951.8337	9.91	0.00	18640207				

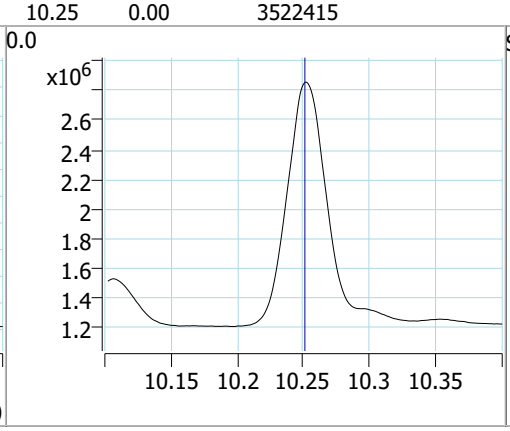


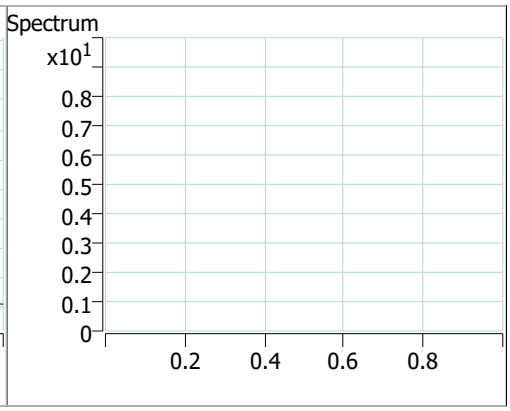




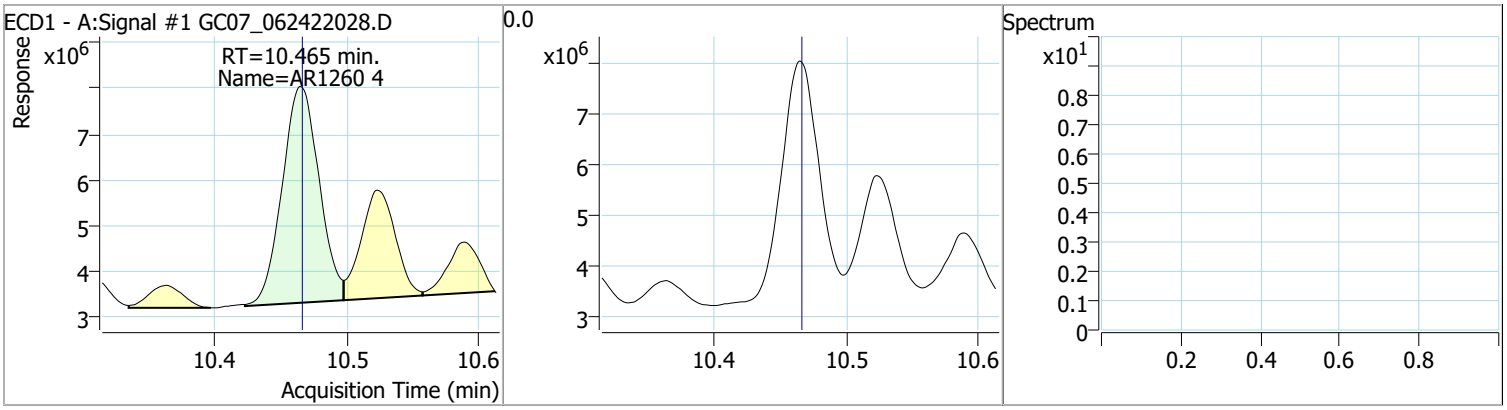
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	955.5756	10.25	0.00	3522415				



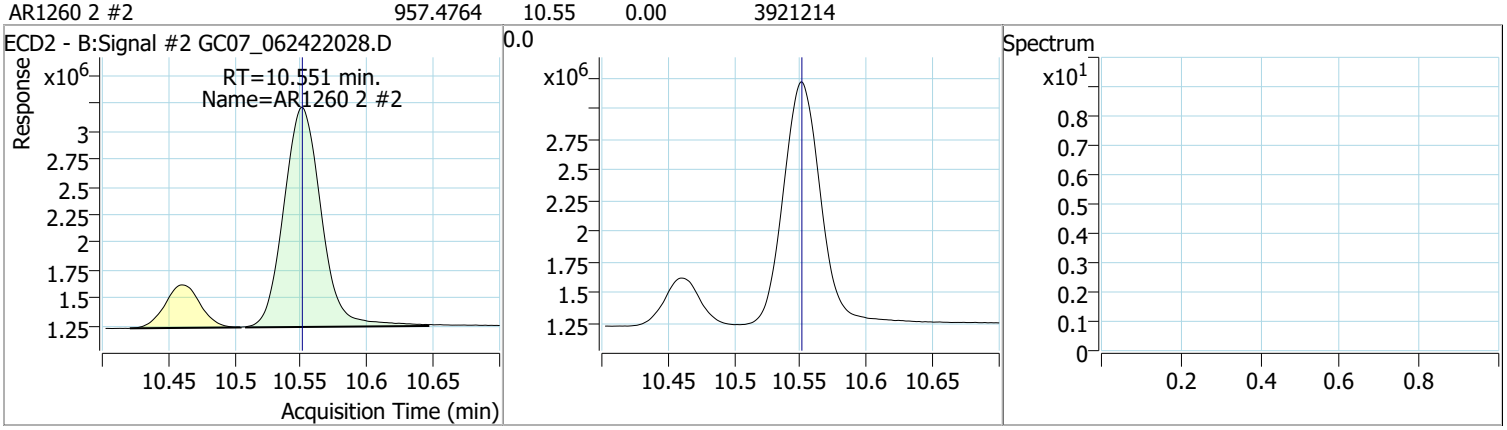




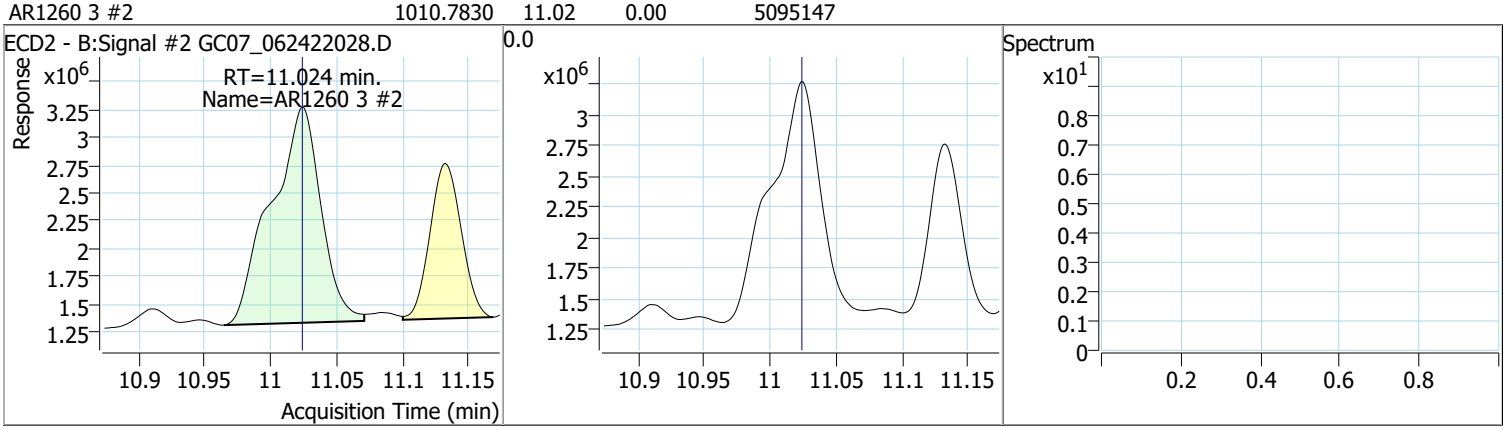
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	922.4963	10.47	0.00	9235324				



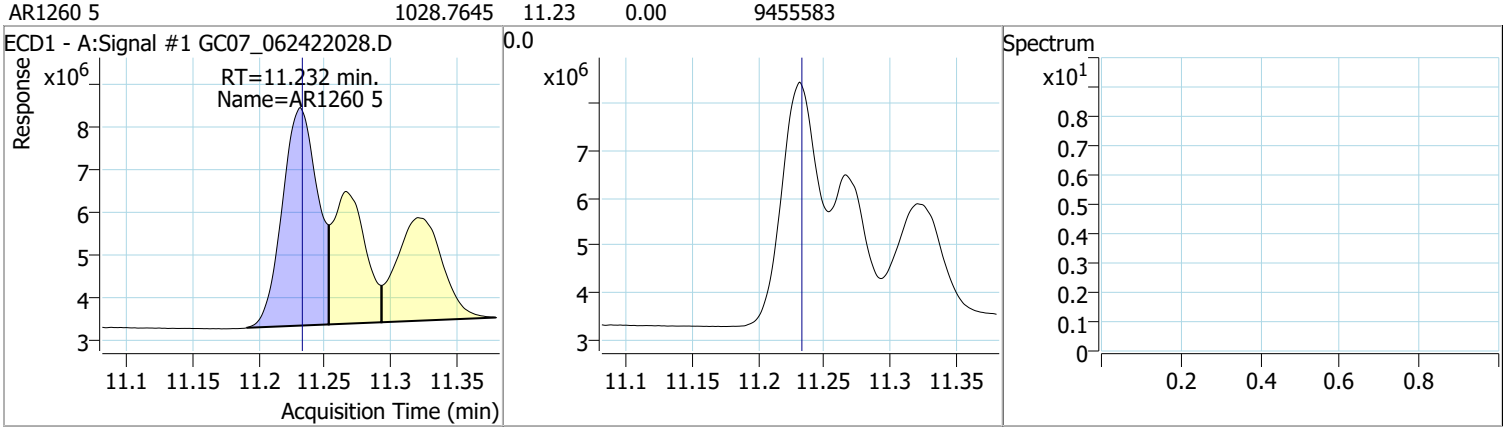
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	957.4764	10.55	0.00	3921214				



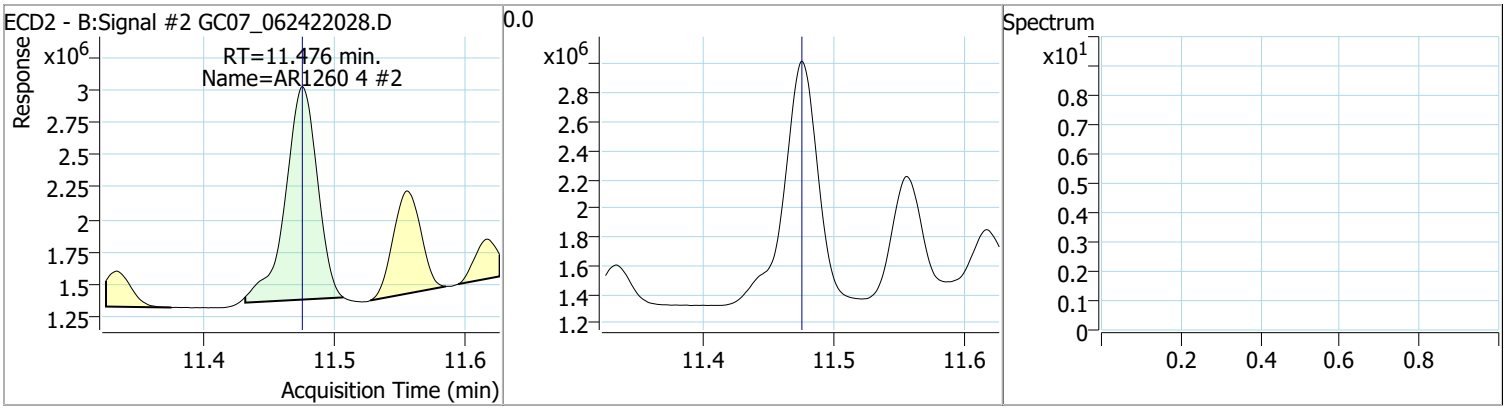
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1010.7830	11.02	0.00	5095147				



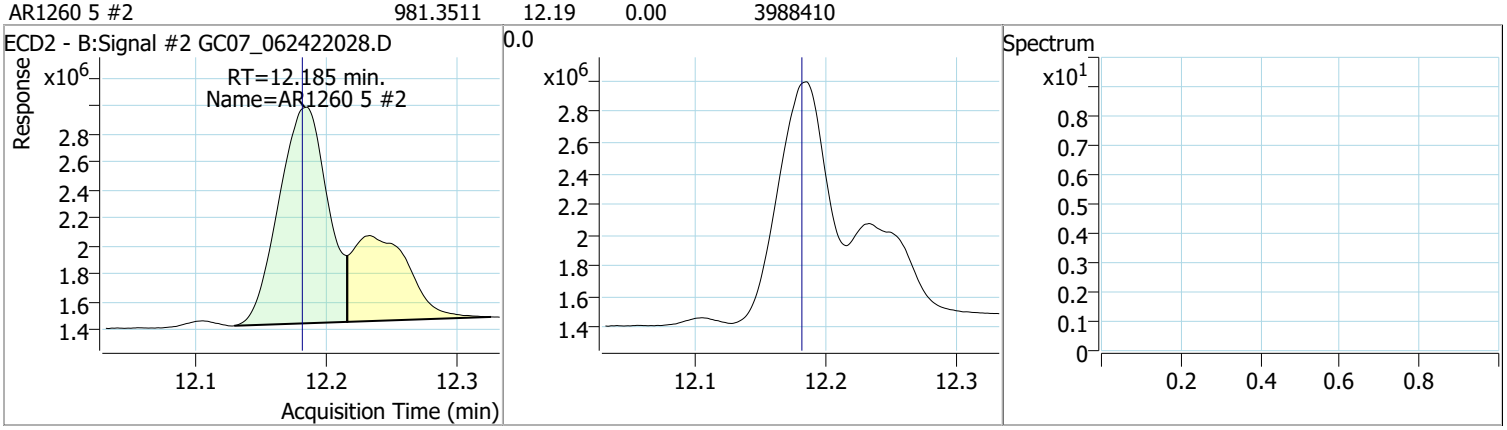
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1028.7645	11.23	0.00	9455583				



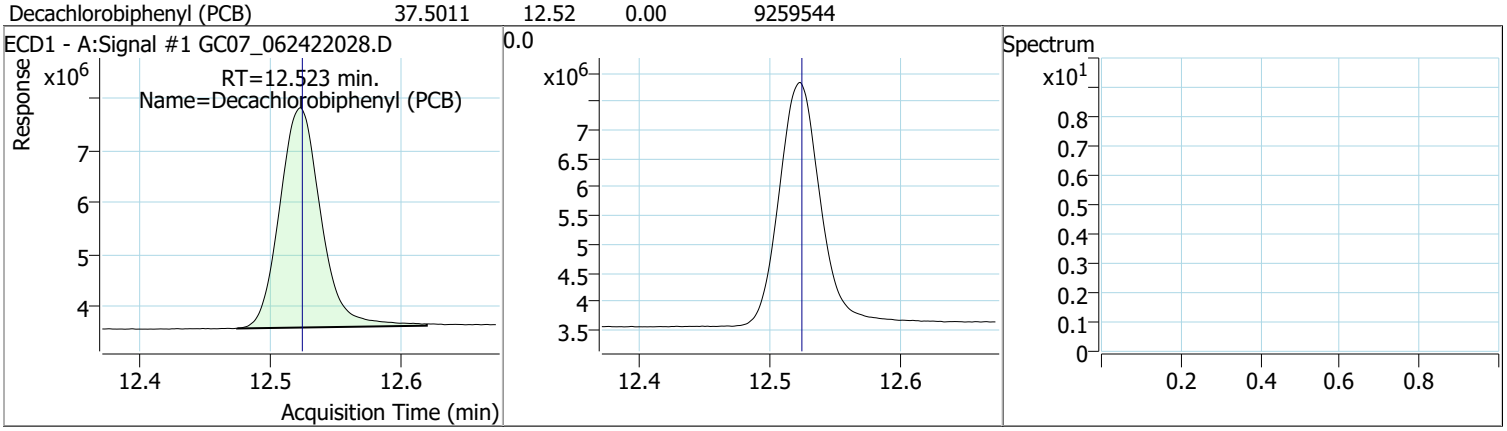
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	979.0076	11.48	0.00	2768820				



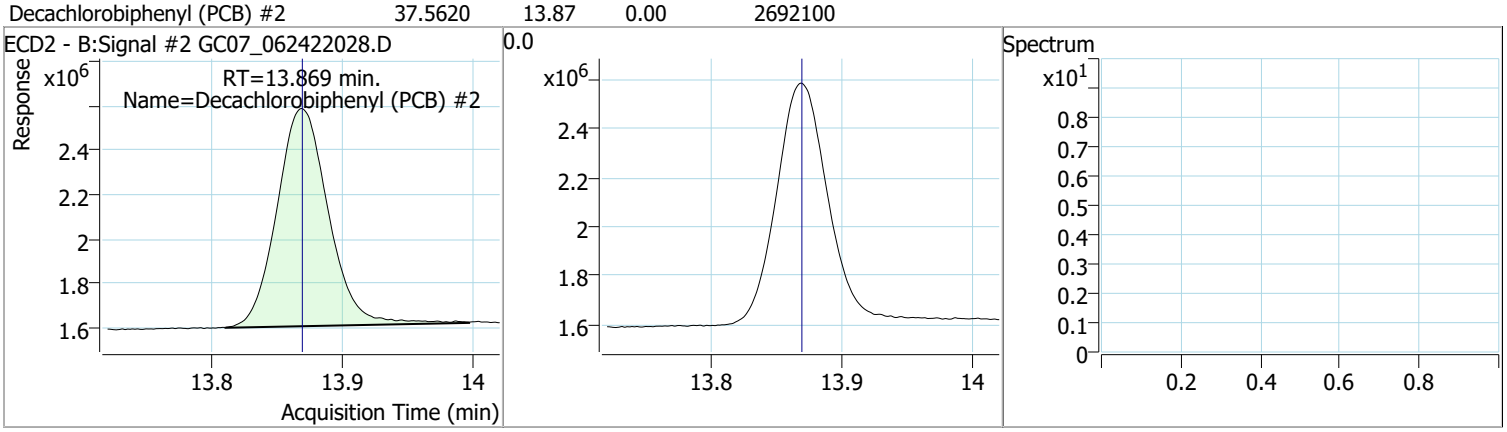
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	981.3511	12.19	0.00	3988410				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	37.5011	12.52	0.00	9259544				

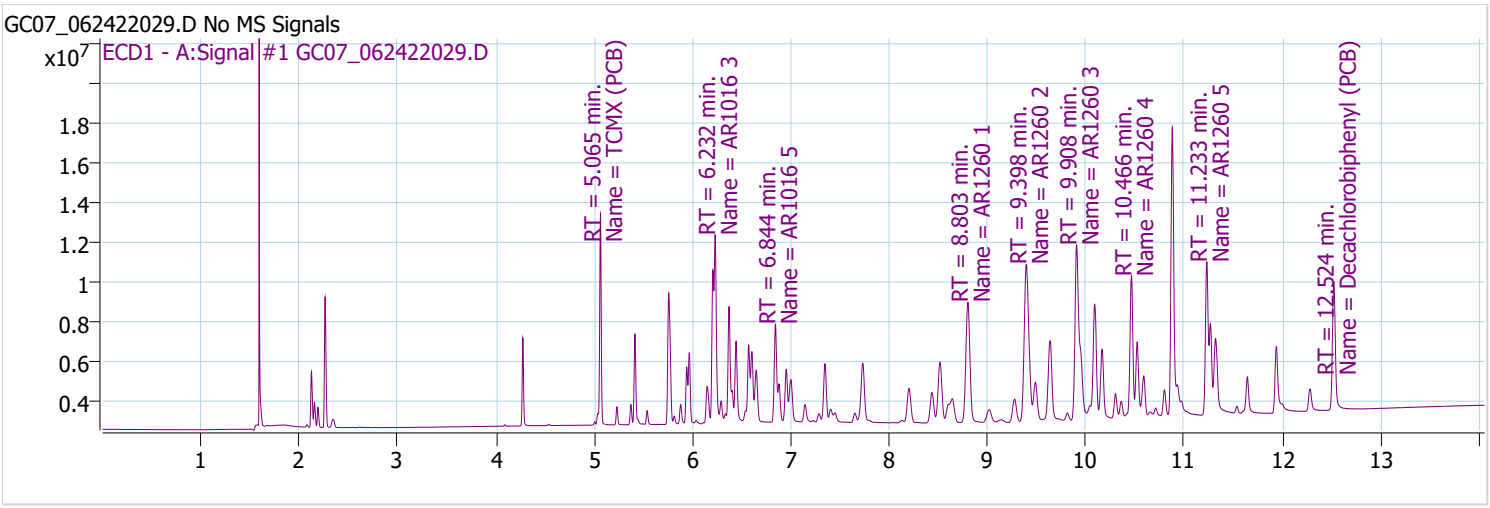


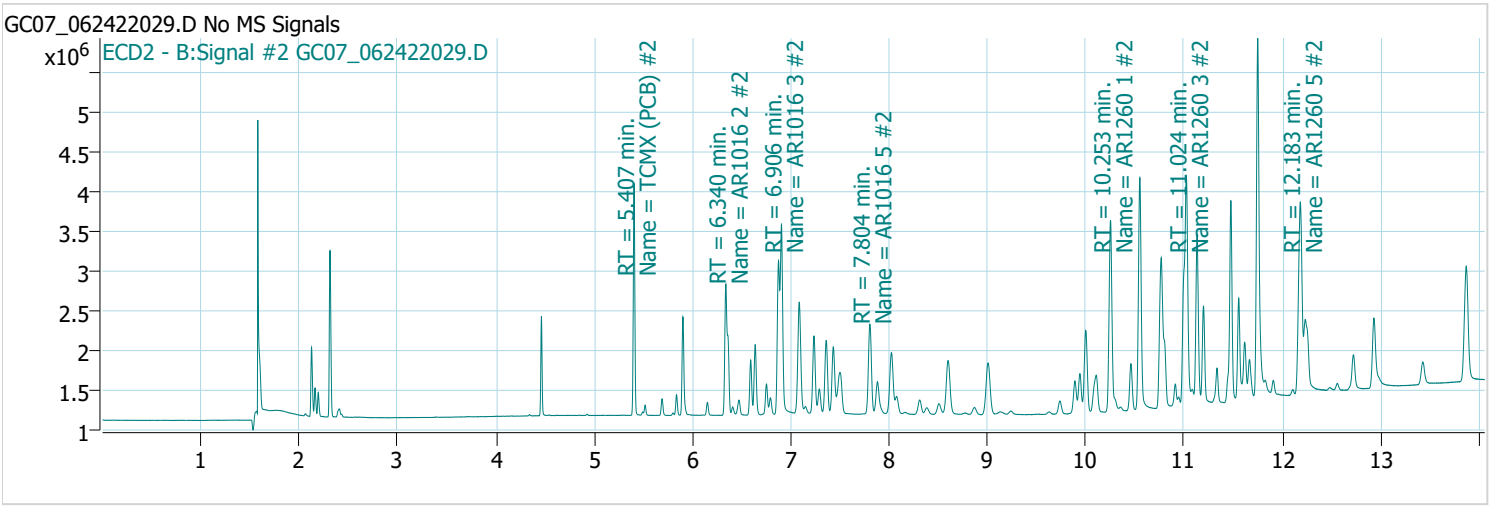
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	37.5620	13.87	0.00	2692100				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422029.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 2:42:11 AM
Sample Name	ICAL, S16726, 1.33	Instrument	SVOA-GC07
Vial	18	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	1500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



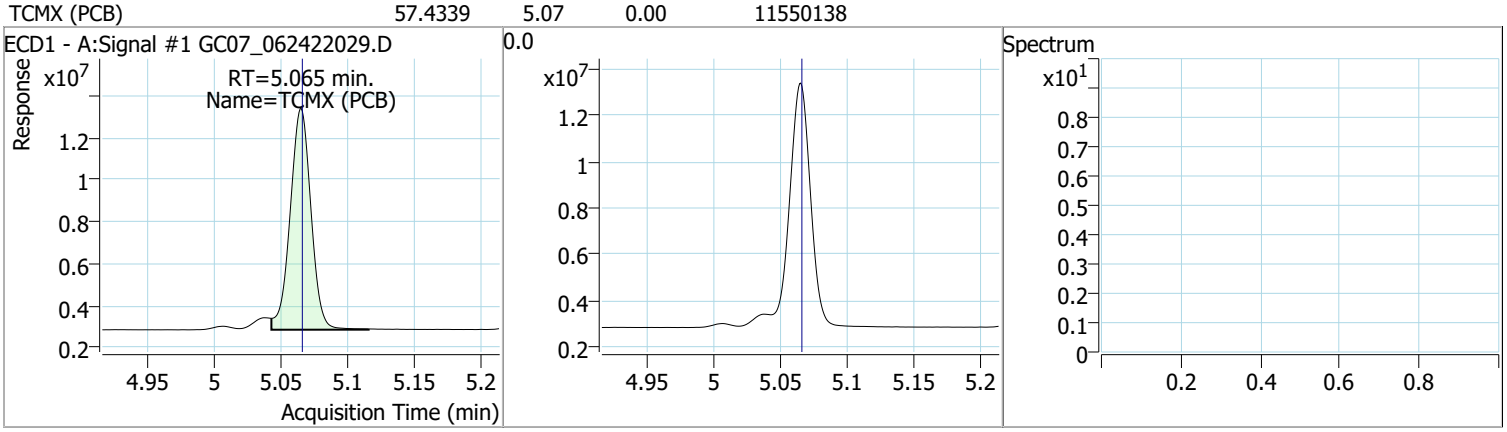


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.276	0.0	4263816.325	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.464	0.0	1124590.024	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.065	0.0	11550138.395	57.4339	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 287.17%		*	
S TCMX (PCB) #2	5.407	0.0	3155269.324	61.8233	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 309.12%		*	
S Decachlorobiphenyl (PCB)	12.524	0.0	13409186.464	56.2981	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 281.49%		*	
S Decachlorobiphenyl (PCB) #2	13.871	0.0	3975161.839	57.4041	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 287.02%		*	
Target Compounds							QValue

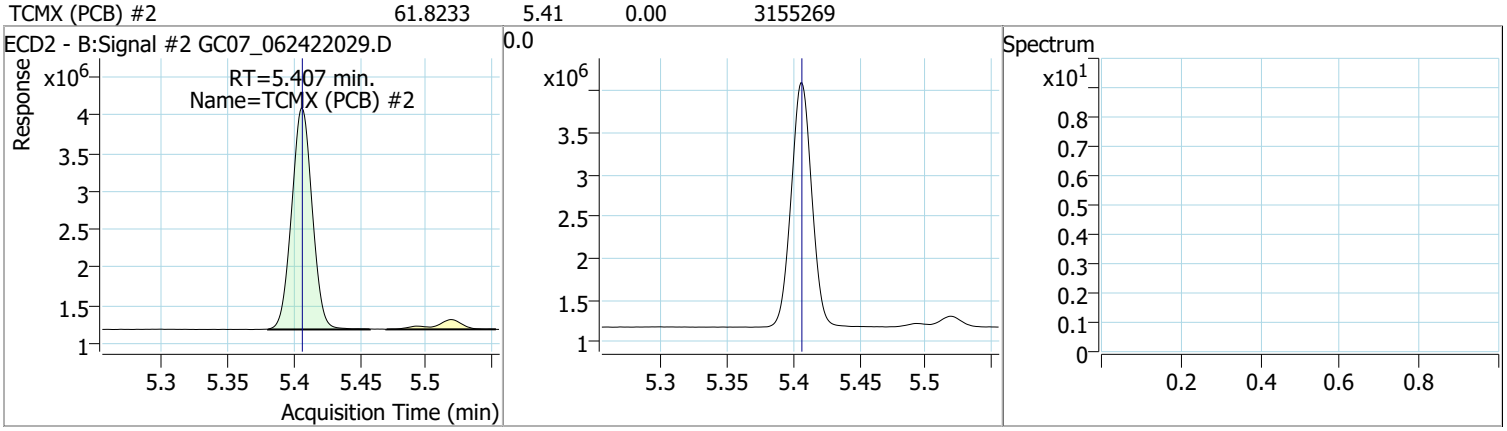
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.416	0.0	5569331.335	1361.5121	ng/ml	m	100
T AR1016 2	5.759	0.0	11740776.165	1324.3149	ng/ml		100
T AR1016 1 #2	5.903	0.0	1649630.487	1456.6039	ng/ml		100
T AR1016 3	6.232	0.0	14345444.160	1397.3492	ng/ml		100
T AR1016 2 #2	6.340	0.0	3519153.248	1427.0129	ng/ml		100
T AR1016 4	6.373	0.0	10172884.119	1377.9680	ng/ml	m	100
T AR1016 5	6.844	0.0	8352834.238	1358.3187	ng/ml		100
T AR1016 3 #2	6.906	0.0	4146580.849	1465.8500	ng/ml		100
T AR1016 4 #2	7.086	0.0	2922966.049	1488.7998	ng/ml		100
T AR1016 5 #2	7.804	0.0	2413964.960	1471.9029	ng/ml		100
T AR1260 1	8.803	0.0	17324159.160	1334.0648	ng/ml		100
T AR1260 2	9.398	0.0	25967953.560	1393.0166	ng/ml		100
T AR1260 3	9.908	0.0	27408889.638	1450.9036	ng/ml		100
T AR1260 1 #2	10.253	0.0	5120287.160	1437.6357	ng/ml		100
T AR1260 4	10.466	0.0	13414288.239	1389.0468	ng/ml		100
T AR1260 2 #2	10.551	0.0	5770452.829	1458.3018	ng/ml		100
T AR1260 3 #2	11.024	0.0	7592679.609	1558.9287	ng/ml		100
T AR1260 5	11.233	0.0	14417231.110	1626.0963	ng/ml		100
T AR1260 4 #2	11.477	0.0	4132961.015	1512.4557	ng/ml		100
T AR1260 5 #2	12.183	0.0	5965821.103	1519.2348	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

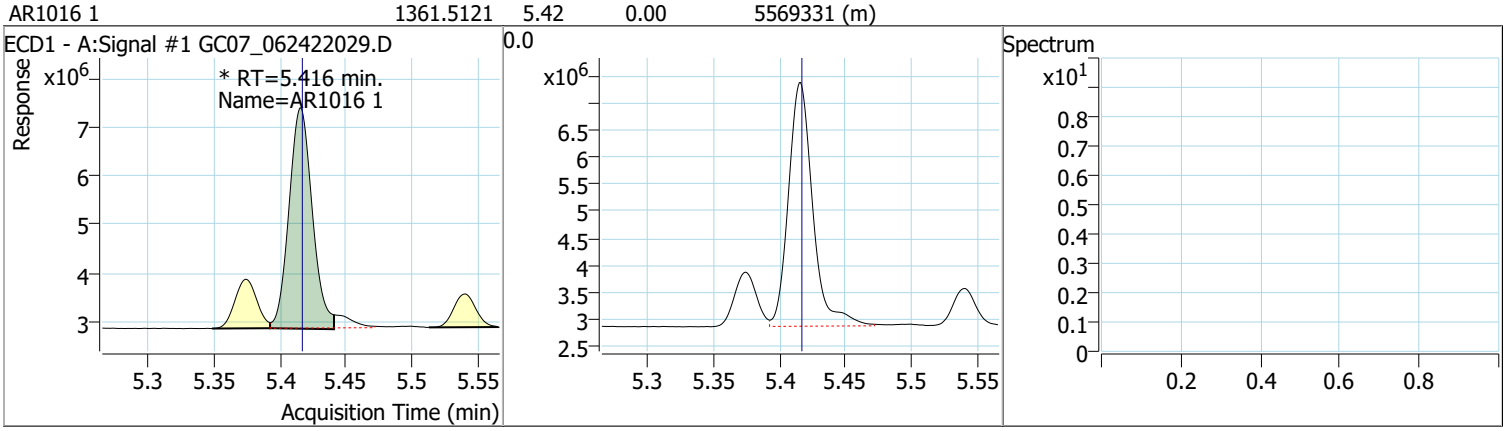
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	57.4339	5.07	0.00	11550138				



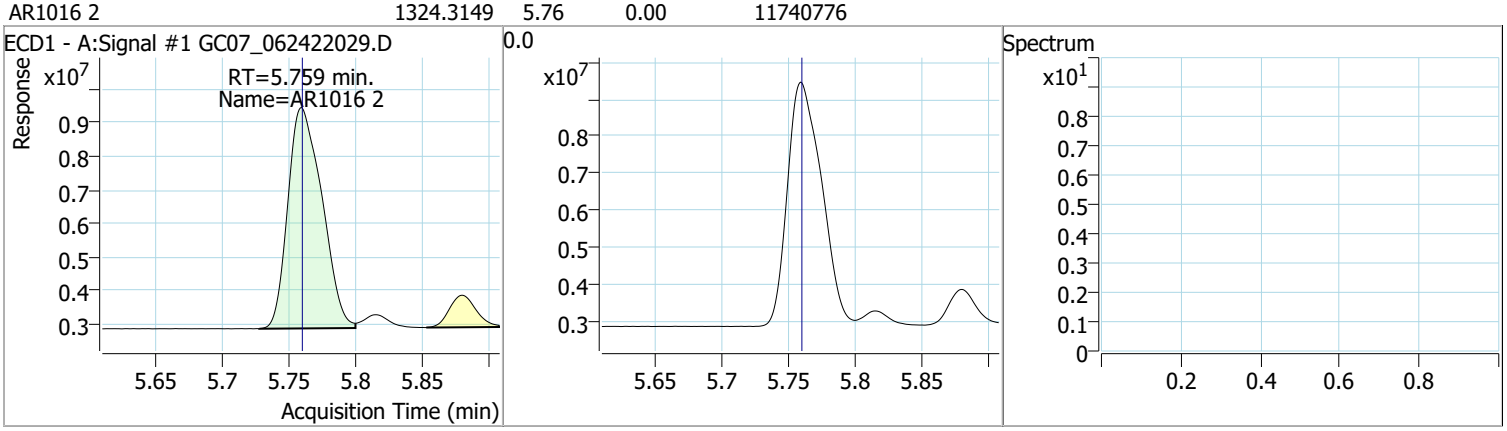
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	61.8233	5.41	0.00	3155269				



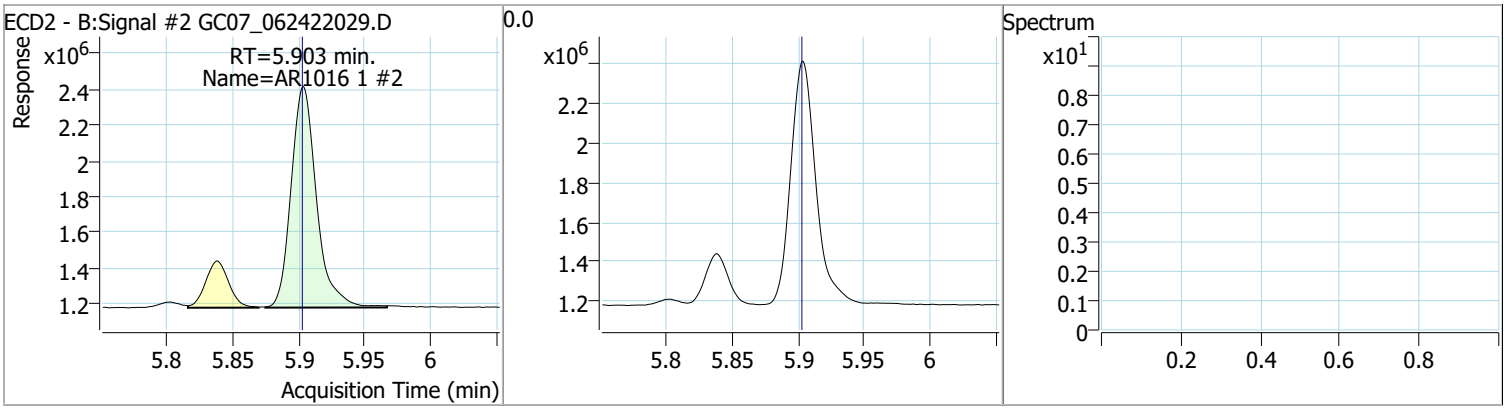
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1361.5121	5.42	0.00	5569331 (m)				



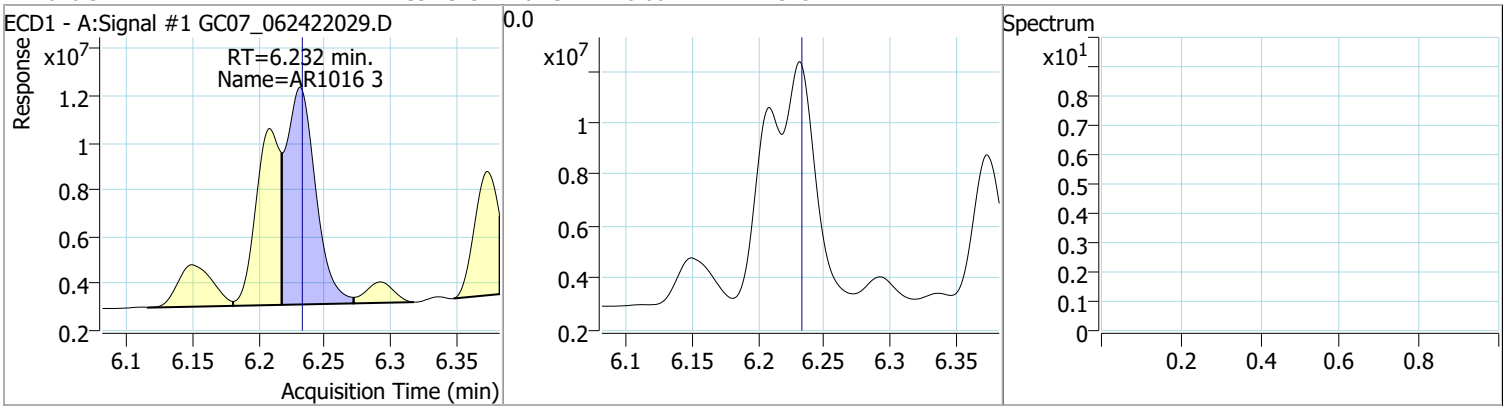
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1324.3149	5.76	0.00	11740776				



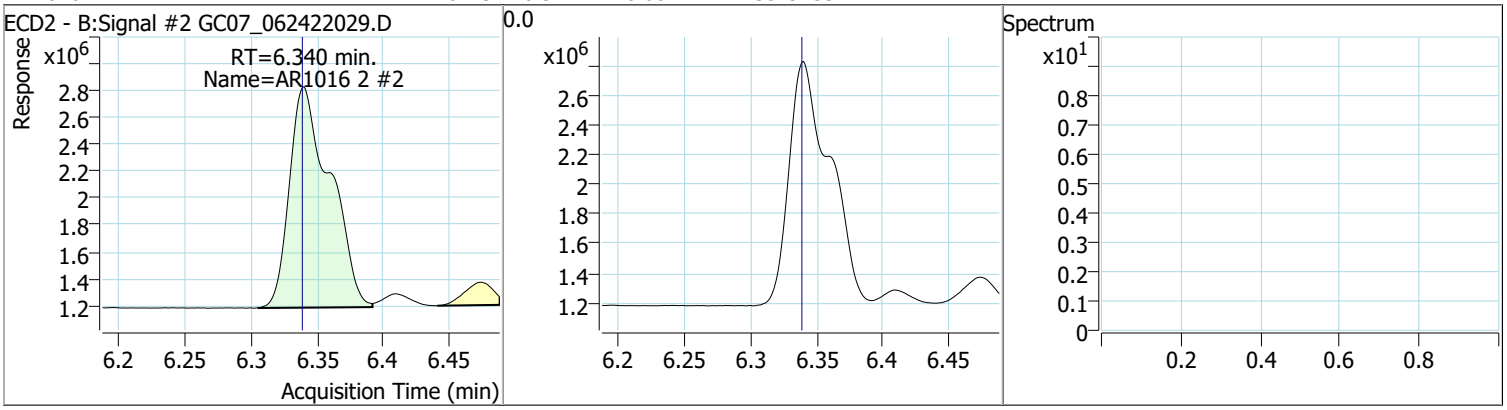
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1456.6039	5.90	0.00	1649630				



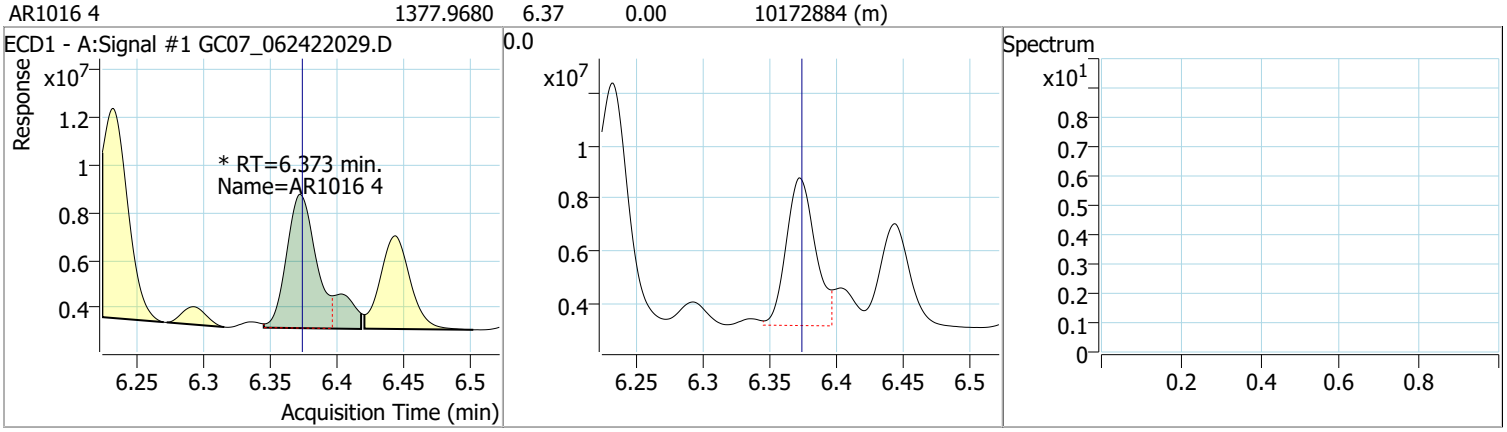
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1397.3492	6.23	0.00	14345444				



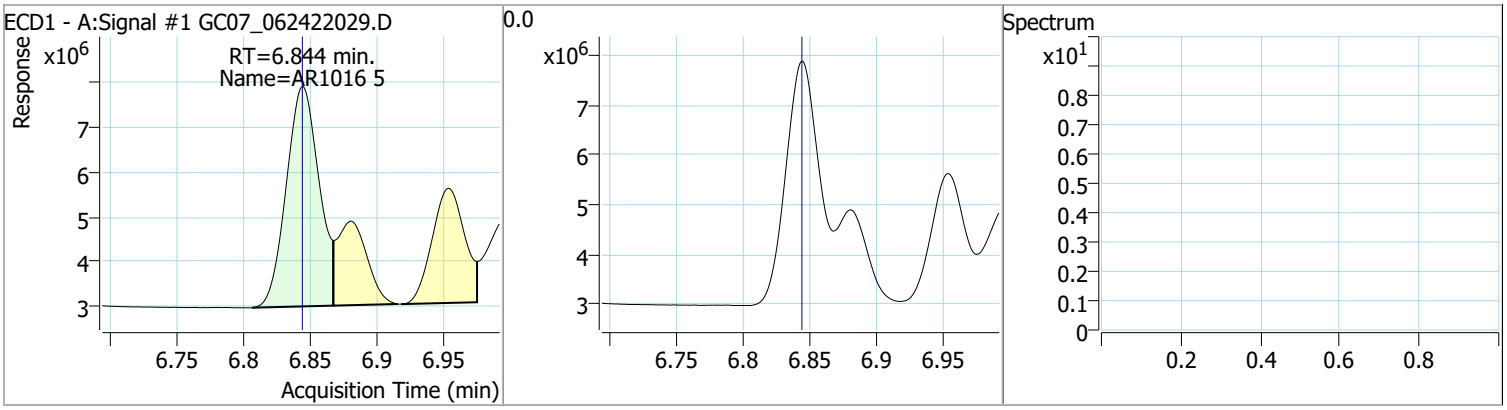
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1427.0129	6.34	0.00	3519153				



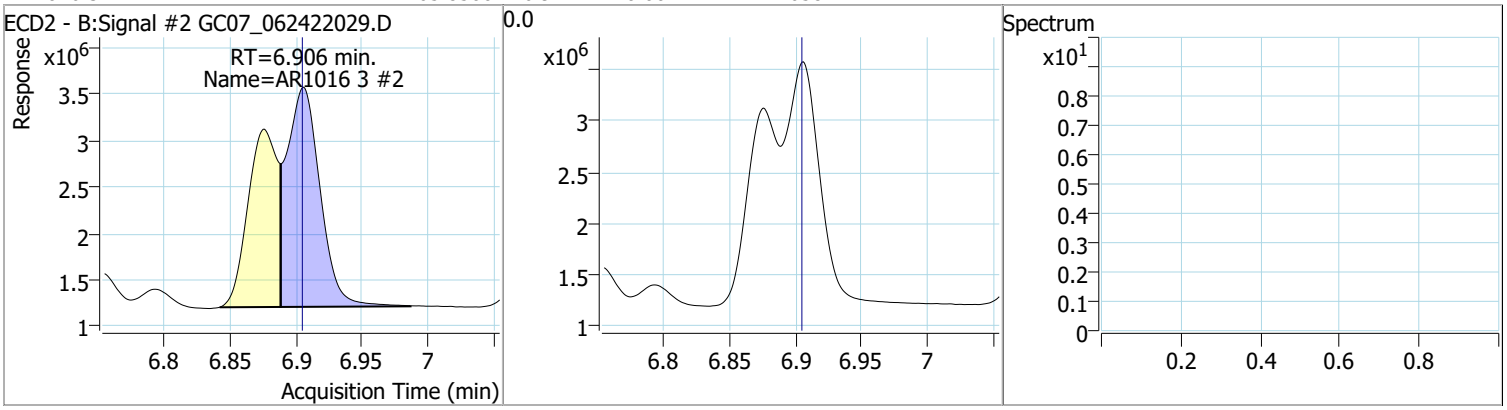
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1377.9680	6.37	0.00	10172884 (m)				



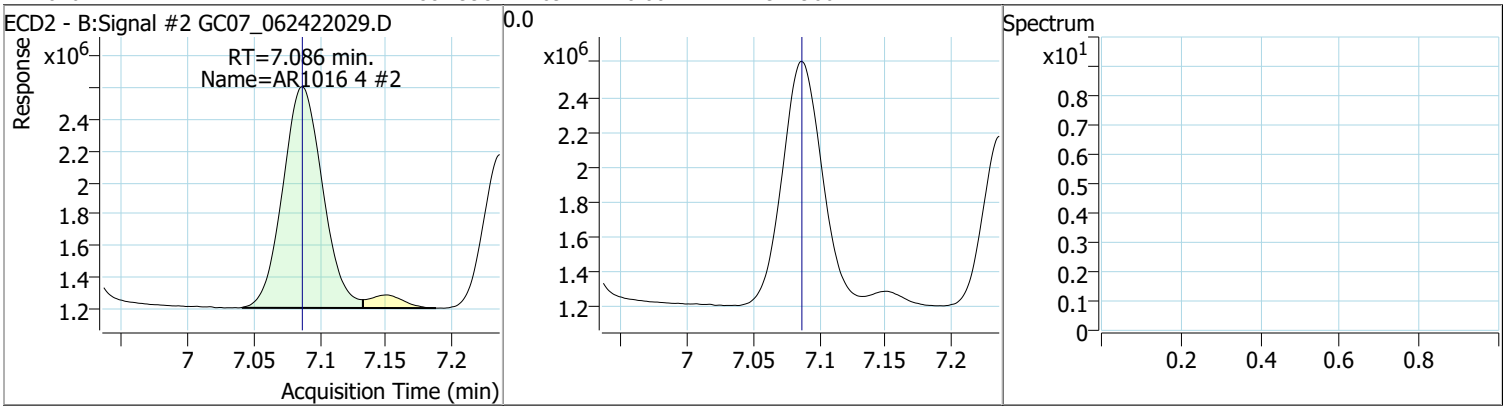
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1358.3187	6.84	0.00	8352834				



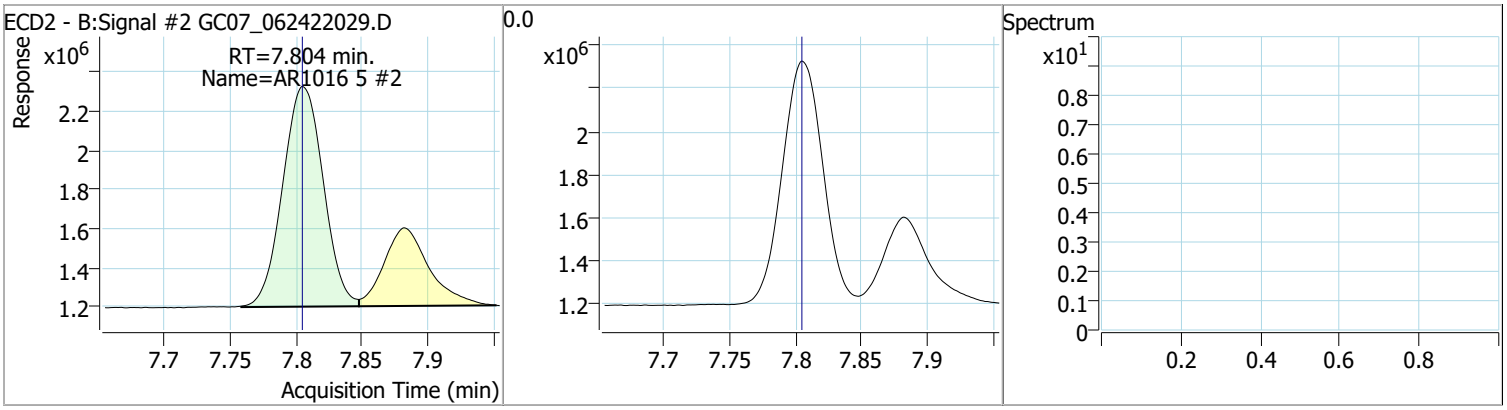
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1465.8500	6.91	0.00	4146581				



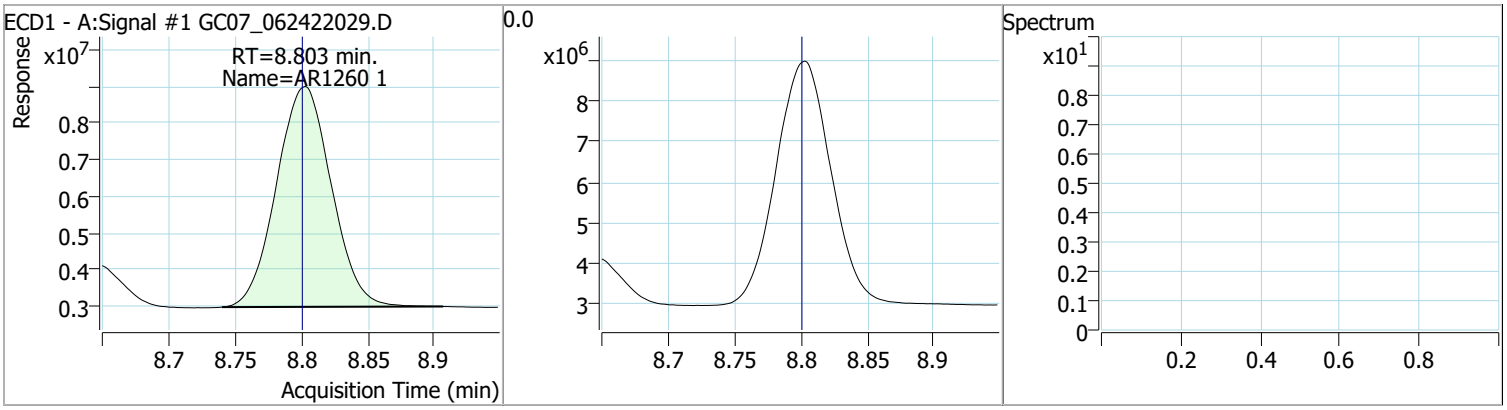
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1488.7998	7.09	0.00	2922966				



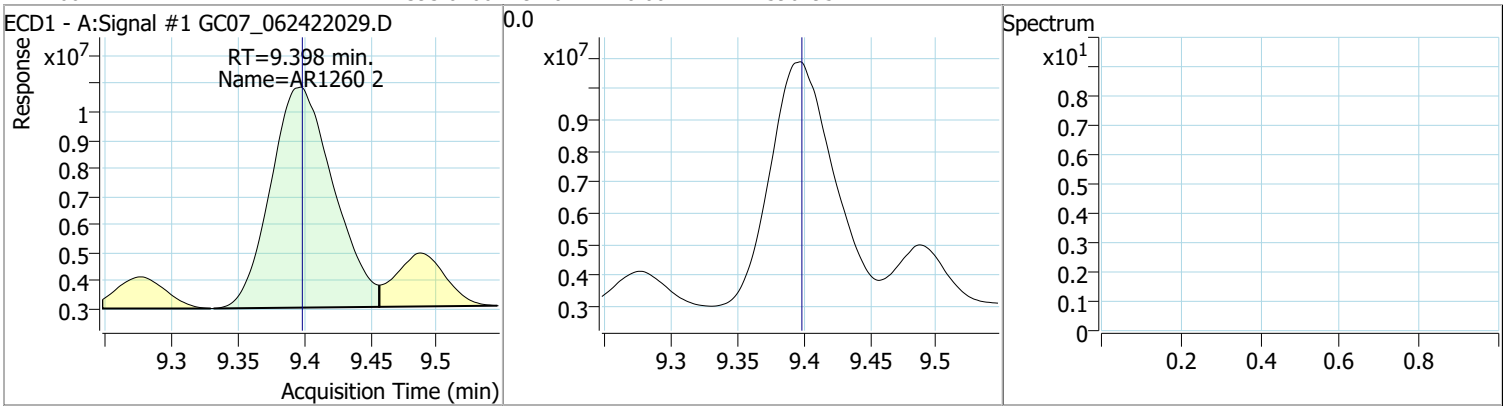
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1471.9029	7.80	0.00	2413965				



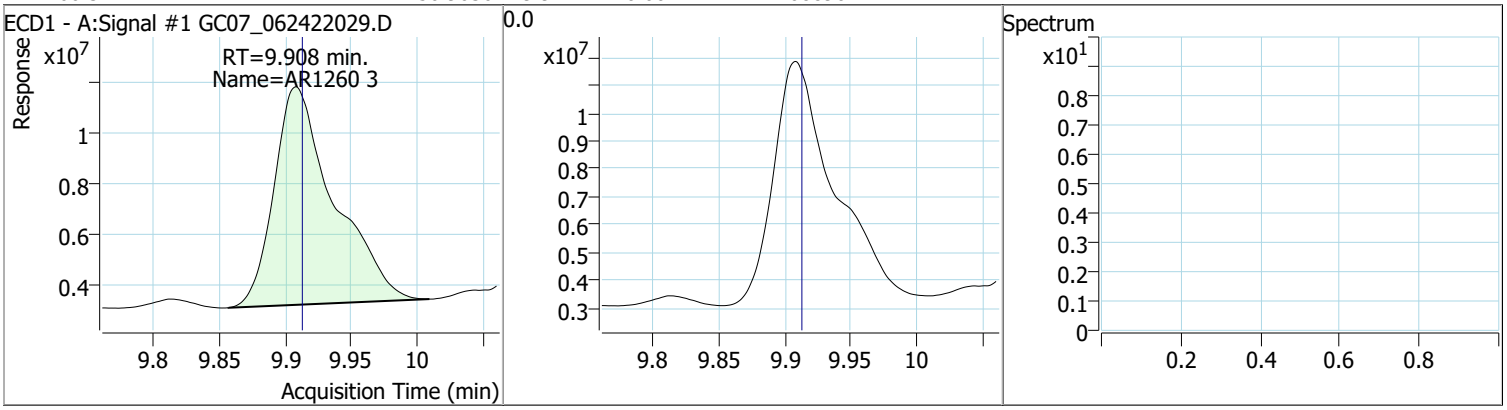
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1334.0648	8.80	0.00	17324159				



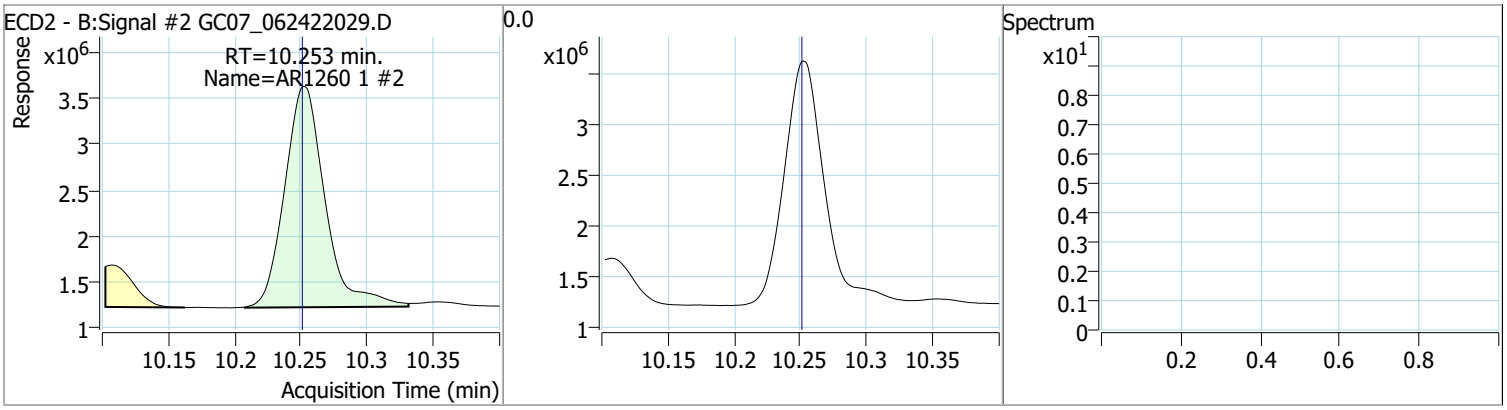
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1393.0166	9.40	0.00	25967954				



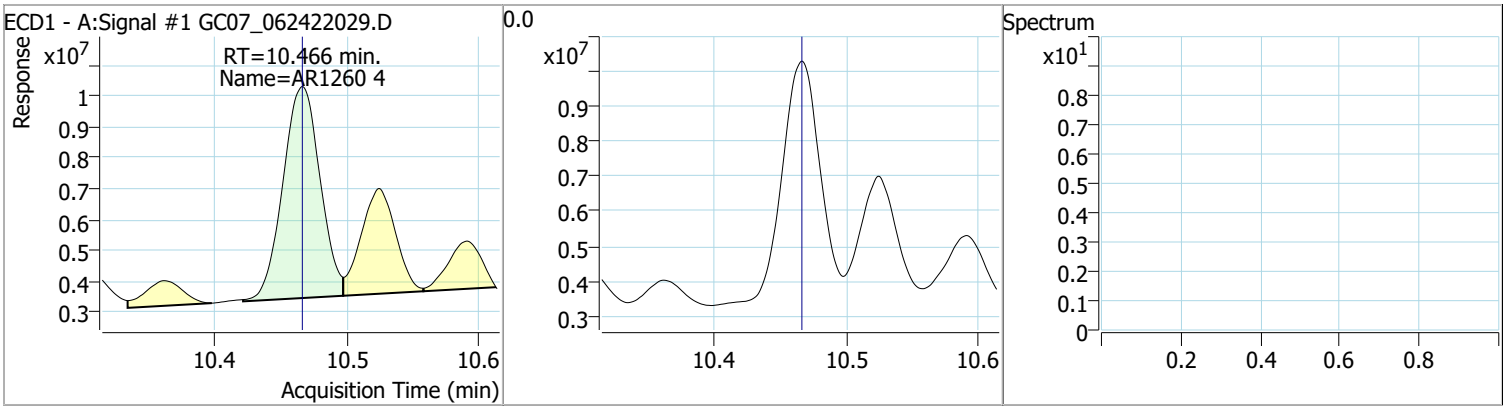
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1450.9036	9.91	0.00	27408890				



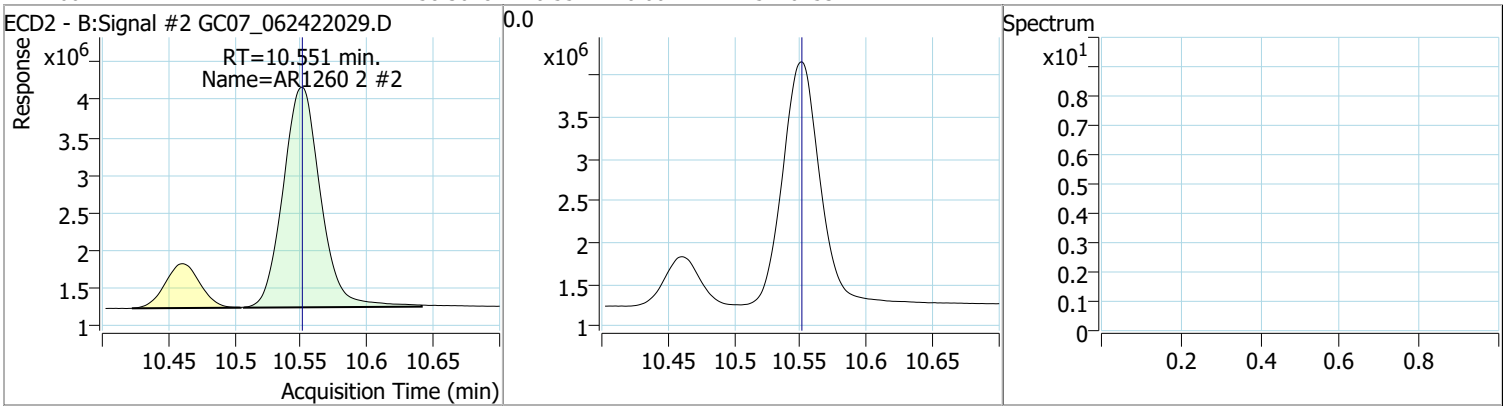
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1437.6357	10.25	0.00	5120287				



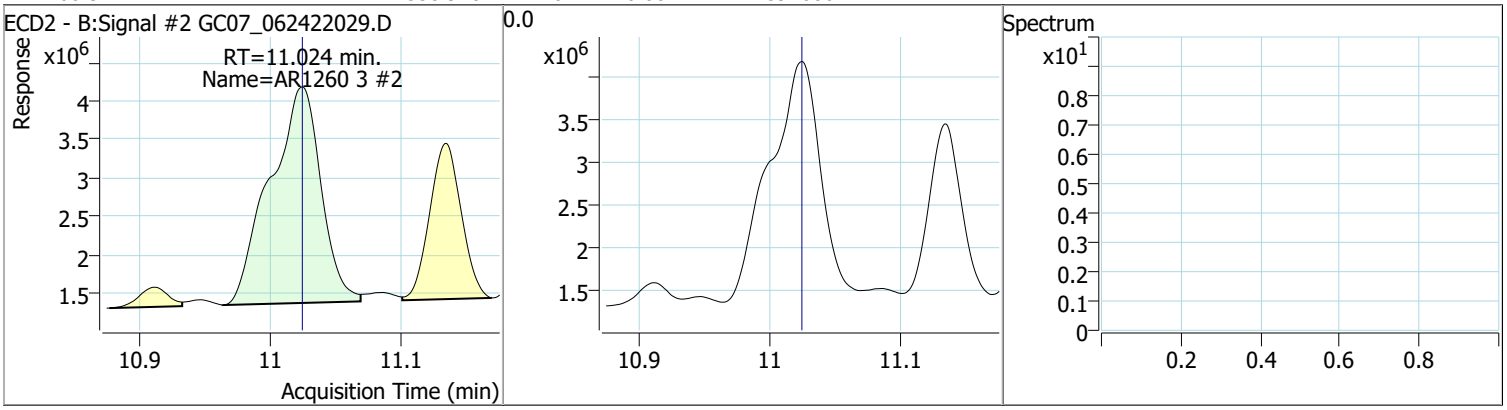
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1389.0468	10.47	0.00	13414288				



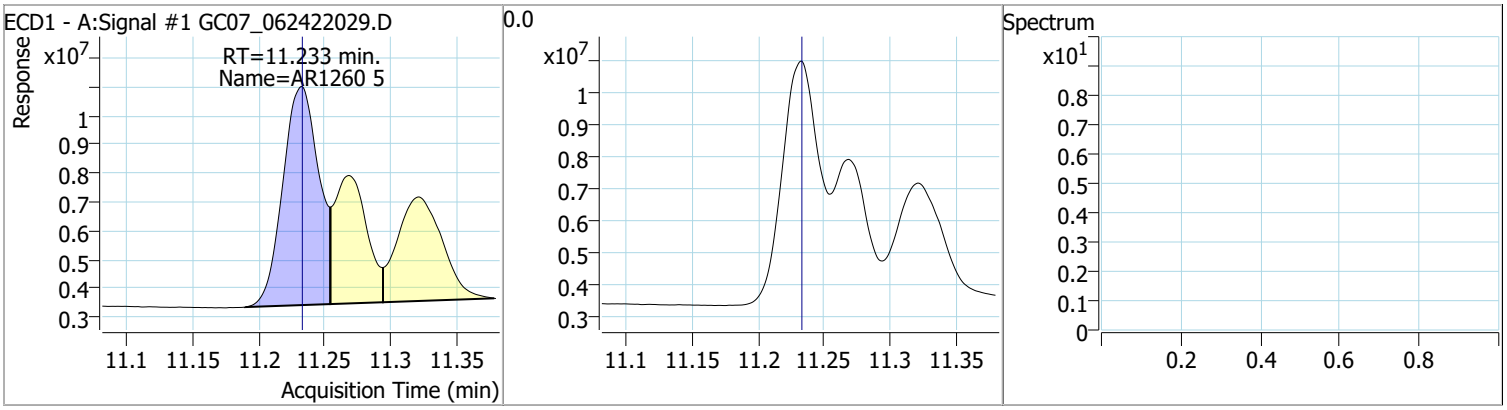
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1458.3018	10.55	0.00	5770453				



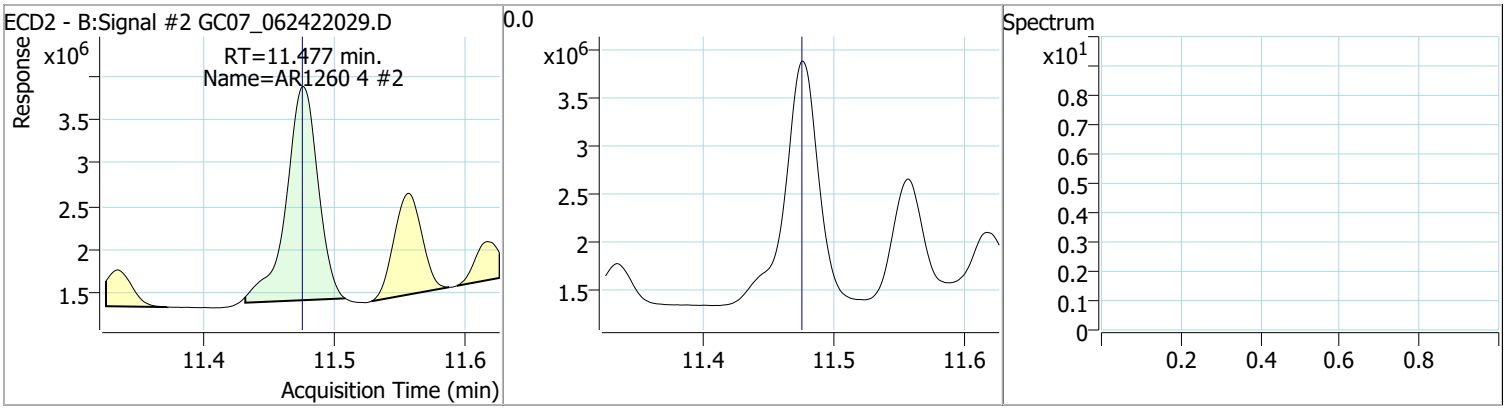
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1558.9287	11.02	0.00	7592680				



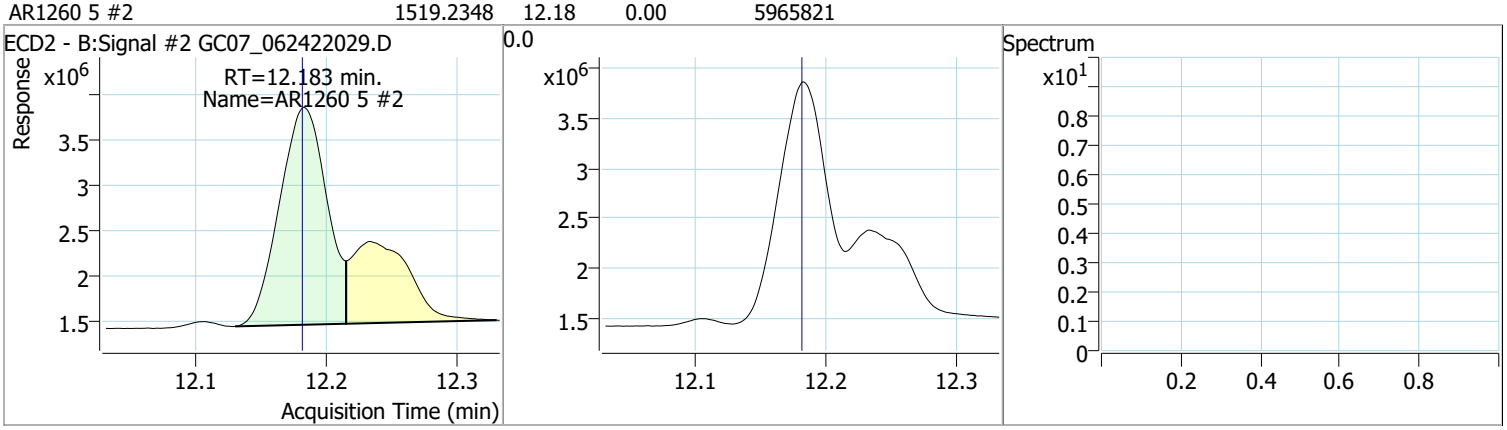
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1626.0963	11.23	0.00	14417231				



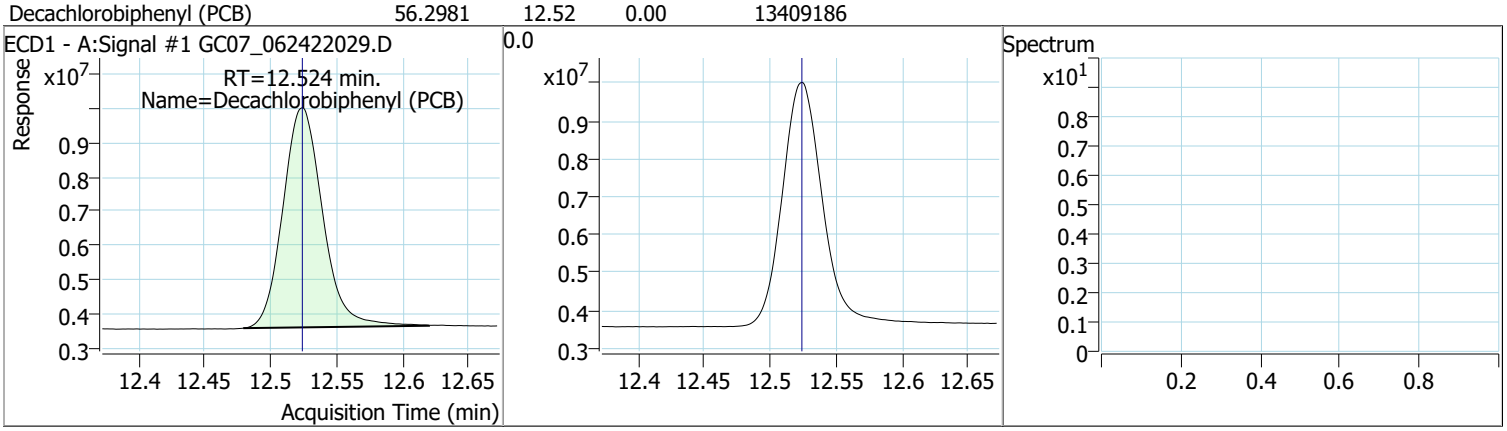
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1512.4557	11.48	0.00	4132961				



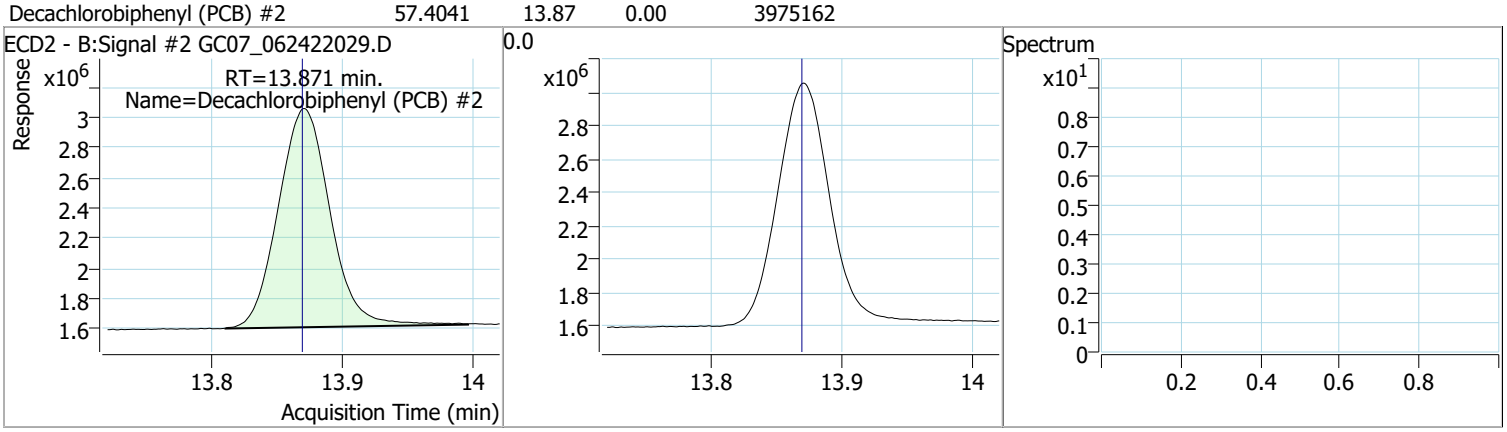
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1519.2348	12.18	0.00	5965821				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	56.2981	12.52	0.00	13409186				

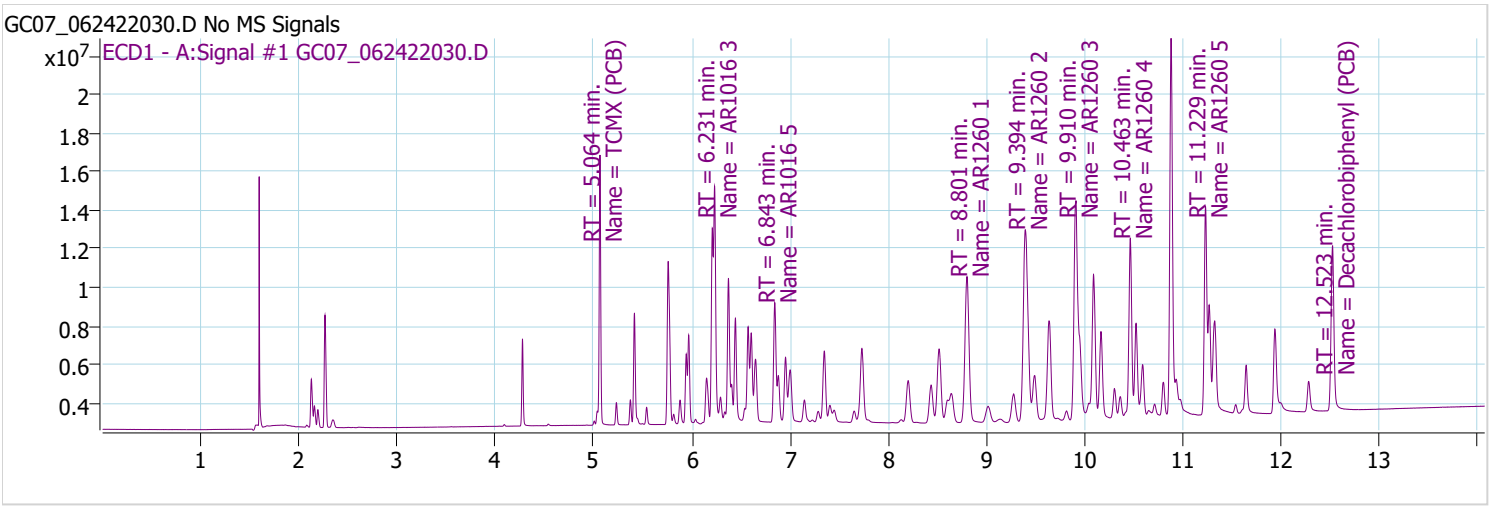


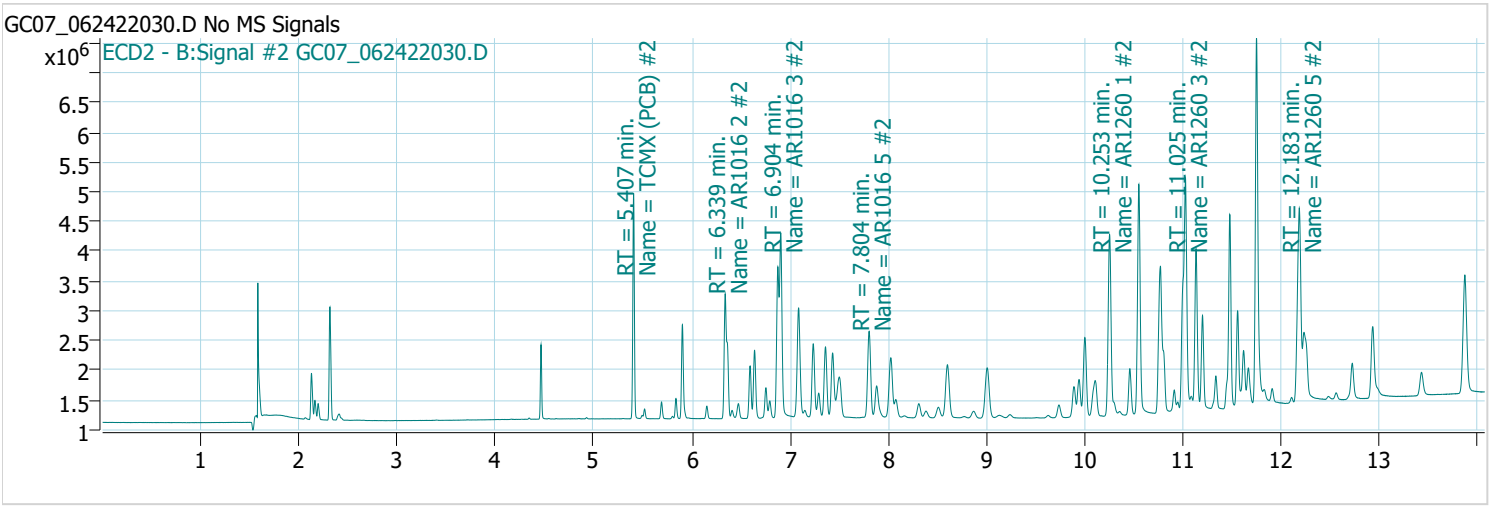
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	57.4041	13.87	0.00	3975162				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422030.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 2:59:43 AM
Sample Name	ICAL, S16726, 1	Instrument	SVOA-GC07
Vial	19	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	2000 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



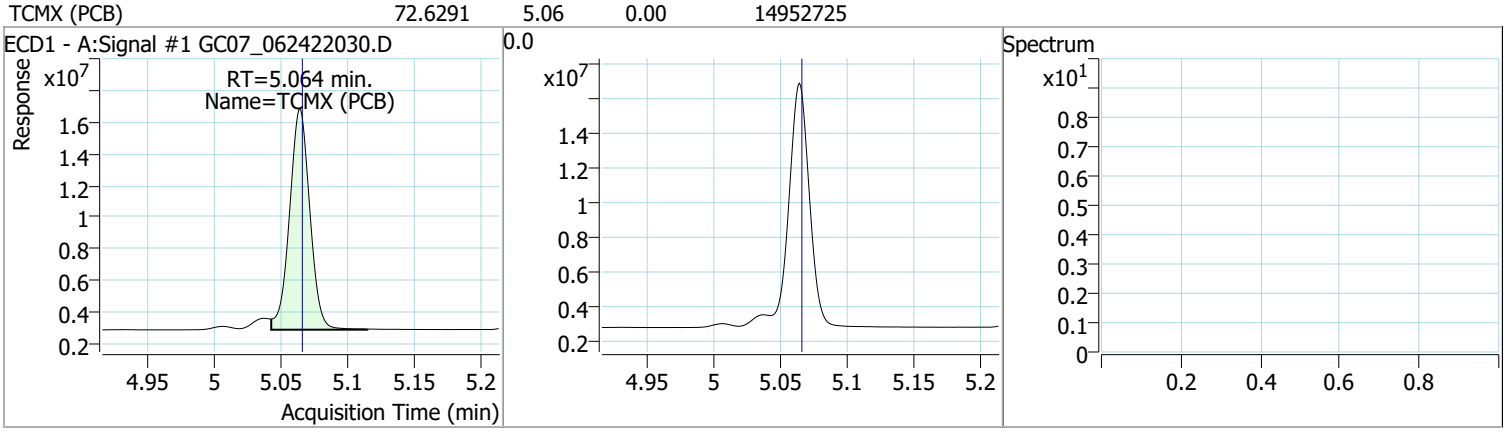


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.276	0.0	4365053.669	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.464	0.0	1150132.386	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.064	0.0	14952724.787	72.6291	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 363.15%		*	
S TCMX (PCB) #2	5.407	0.0	4167605.909	79.8452	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 399.23%		*	
S Decachlorobiphenyl (PCB)	12.523	0.0	17812393.038	73.0503	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 365.25%		*	
S Decachlorobiphenyl (PCB) #2	13.869	0.0	5273262.981	74.4584	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 372.29%		*	
Target Compounds							QValue

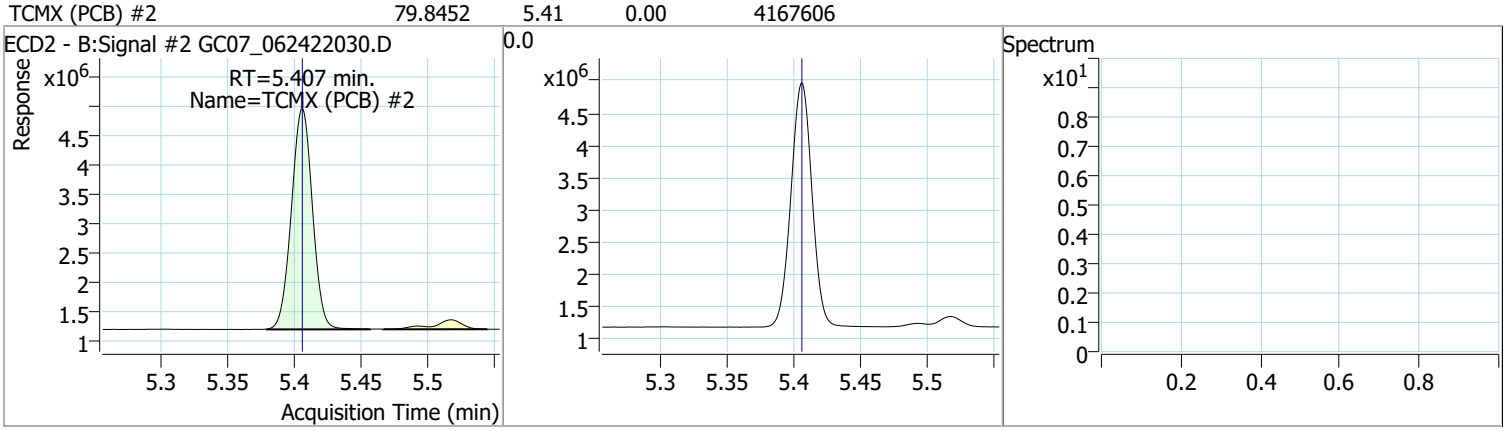
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.415	0.0	7120162.773	1700.2676	ng/ml	m	100
T AR1016 2	5.758	0.0	14810975.461	1631.8755	ng/ml		100
T AR1016 1 #2	5.903	0.0	2120457.254	1830.7570	ng/ml		100
T AR1016 3	6.231	0.0	18039417.481	1716.4153	ng/ml		100
T AR1016 2 #2	6.339	0.0	4491331.880	1780.7840	ng/ml		100
T AR1016 4	6.372	0.0	12967529.525	1715.7784	ng/ml	m	100
T AR1016 5	6.843	0.0	10714001.242	1701.8780	ng/ml		100
T AR1016 3 #2	6.904	0.0	5410319.720	1870.1167	ng/ml		100
T AR1016 4 #2	7.087	0.0	3770733.516	1877.9532	ng/ml		100
T AR1016 5 #2	7.804	0.0	3114359.024	1856.7920	ng/ml		100
T AR1260 1	8.801	0.0	21787980.965	1638.8931	ng/ml		100
T AR1260 2	9.394	0.0	32917120.413	1724.8420	ng/ml		100
T AR1260 3	9.910	0.0	35506795.463	1835.9781	ng/ml		100
T AR1260 1 #2	10.253	0.0	6584362.429	1807.6512	ng/ml		100
T AR1260 4	10.463	0.0	17362852.581	1756.2212	ng/ml		100
T AR1260 2 #2	10.550	0.0	7387670.504	1825.5404	ng/ml		100
T AR1260 3 #2	11.025	0.0	9880982.766	1983.7079	ng/ml		100
T AR1260 5	11.229	0.0	19446571.916	2142.4779	ng/ml		100
T AR1260 4 #2	11.476	0.0	5317223.956	1902.6228	ng/ml		100
T AR1260 5 #2	12.183	0.0	7951541.912	1979.9418	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

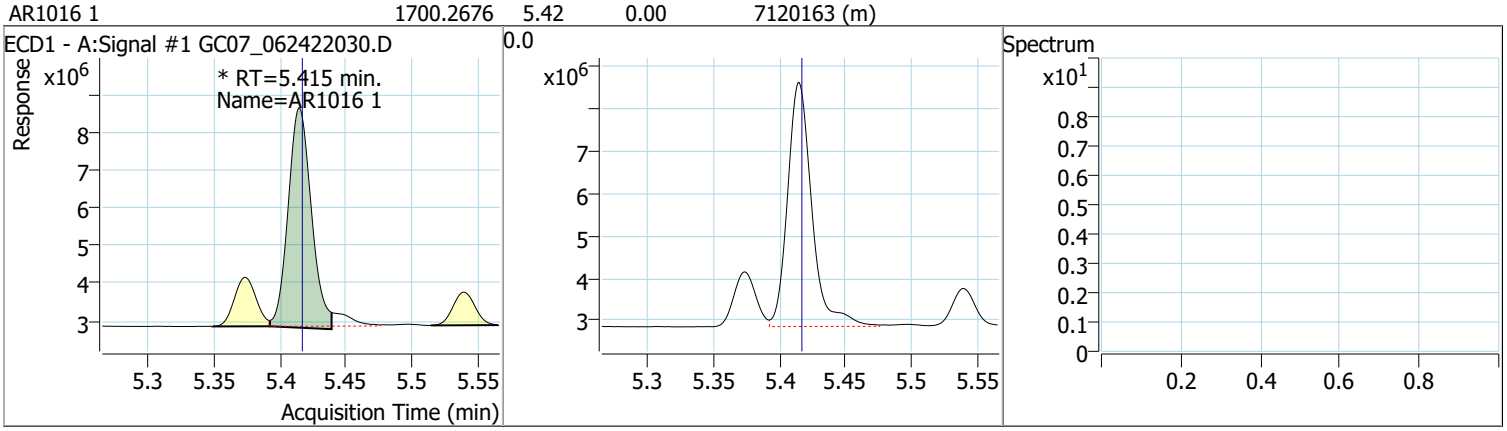
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	72.6291	5.06	0.00	14952725				



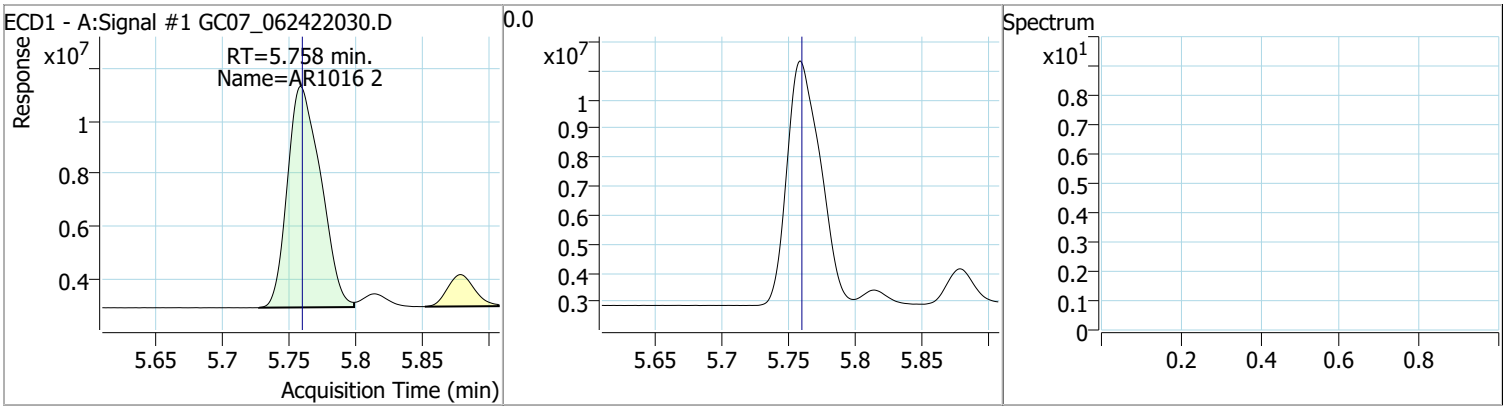
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	79.8452	5.41	0.00	4167606				



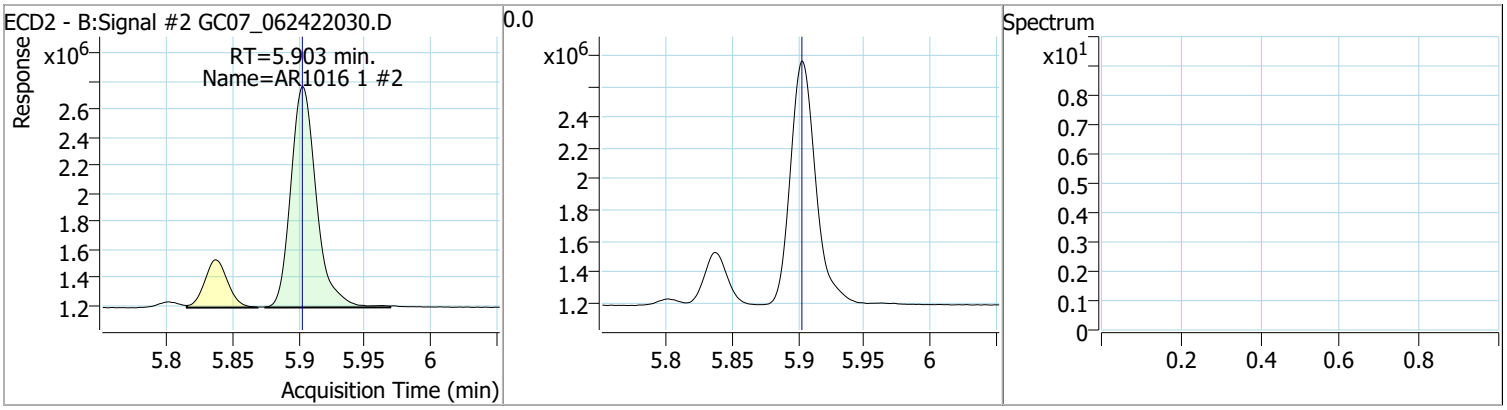
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1700.2676	5.42	0.00	7120163 (m)				



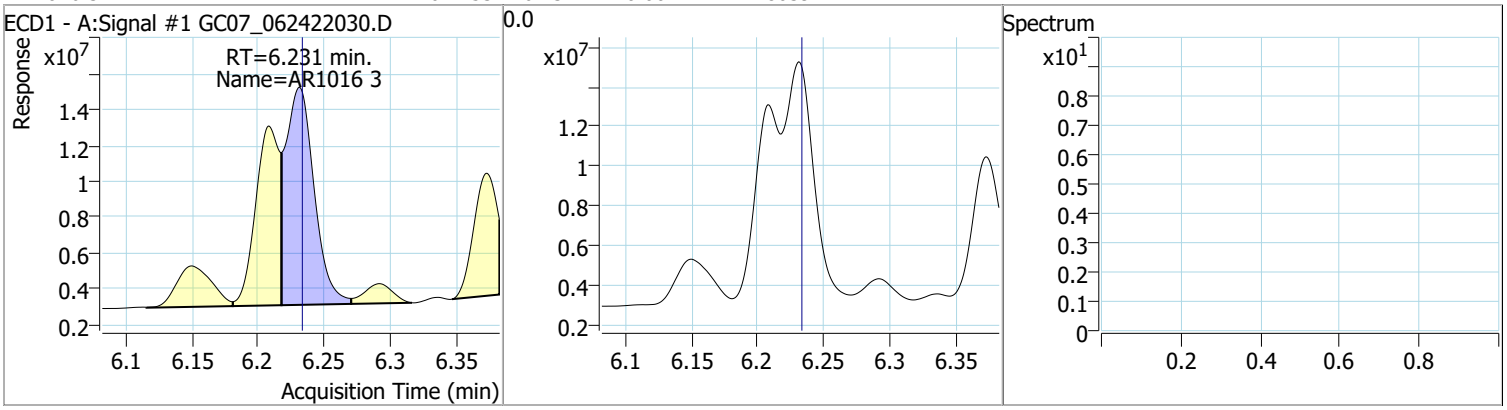
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1631.8755	5.76	0.00	14810975				



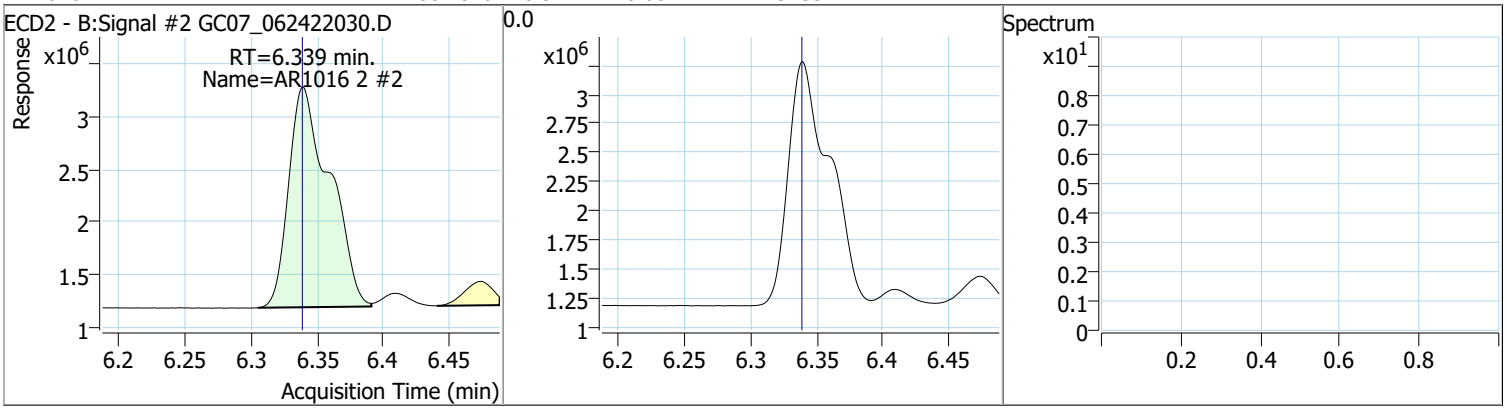
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1830.7570	5.90	0.00	2120457				



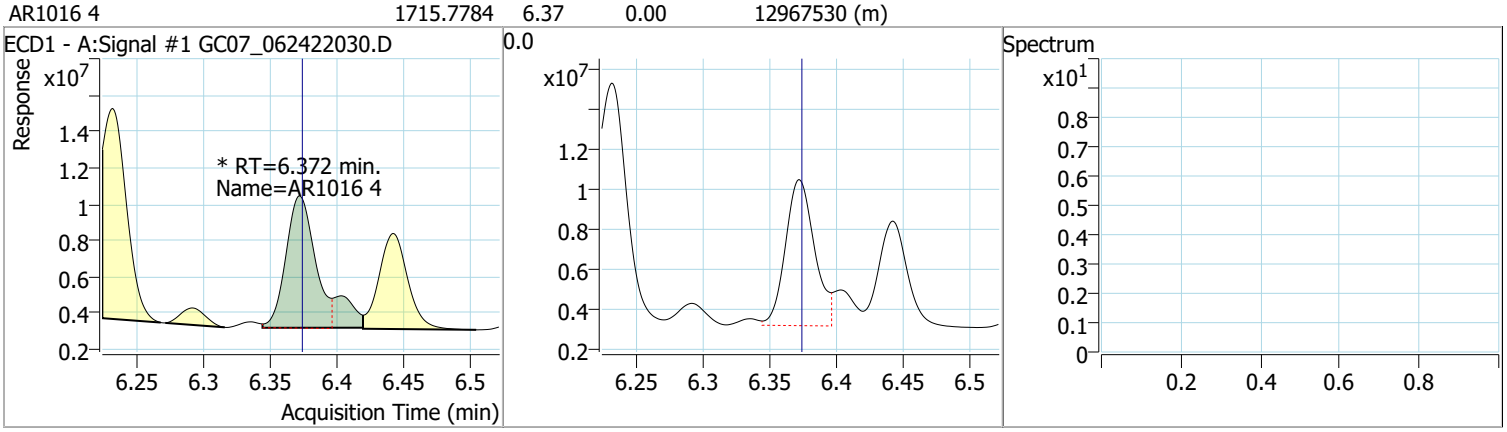
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1716.4153	6.23	0.00	18039417				



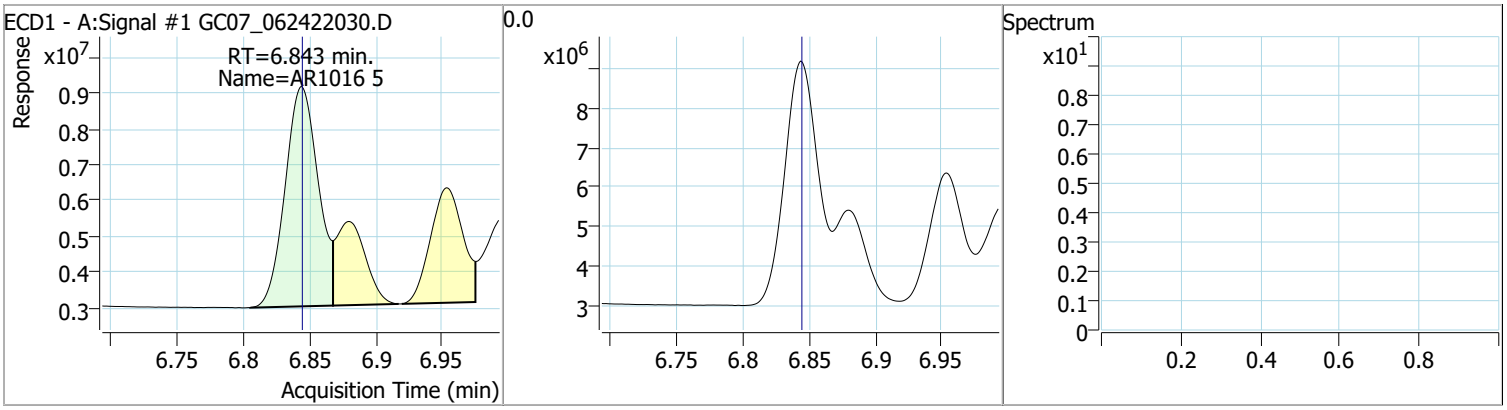
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1780.7840	6.34	0.00	4491332				



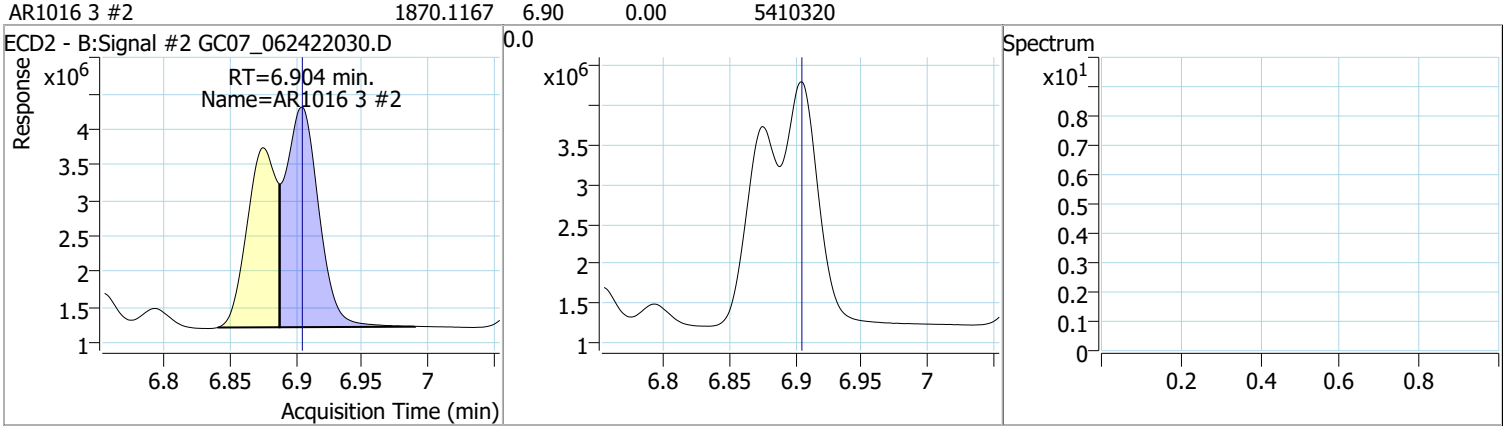
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1715.7784	6.37	0.00	12967530 (m)				



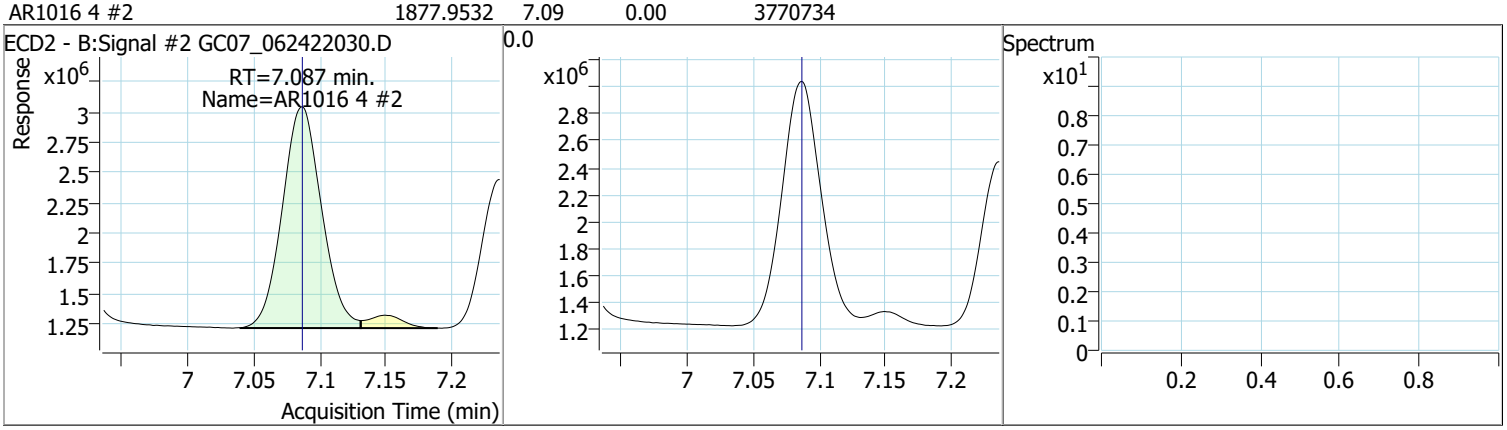
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1701.8780	6.84	0.00	10714001				



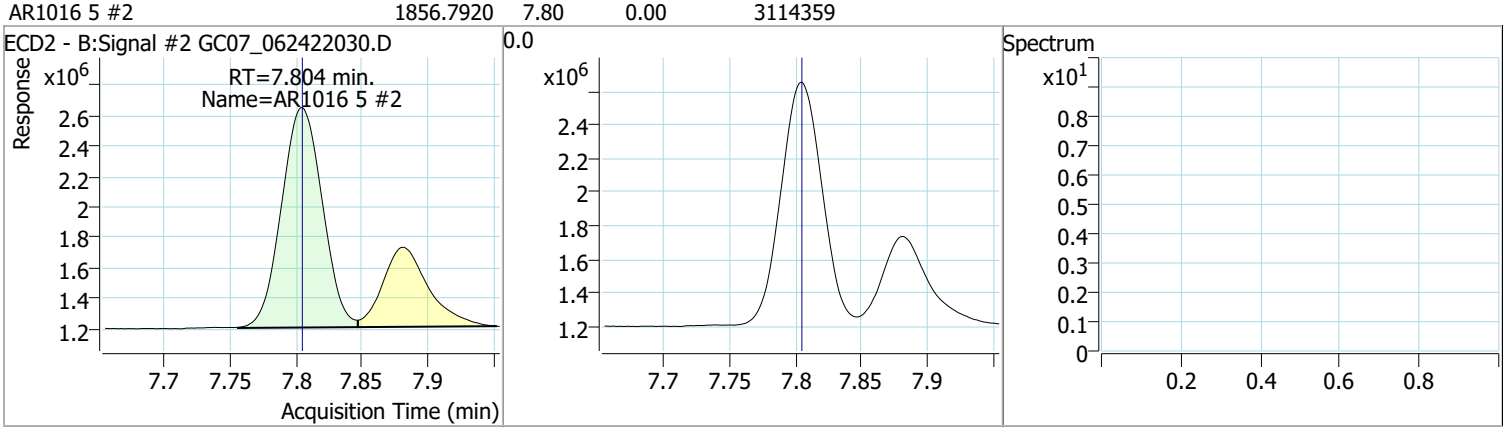
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1870.1167	6.90	0.00	5410320				



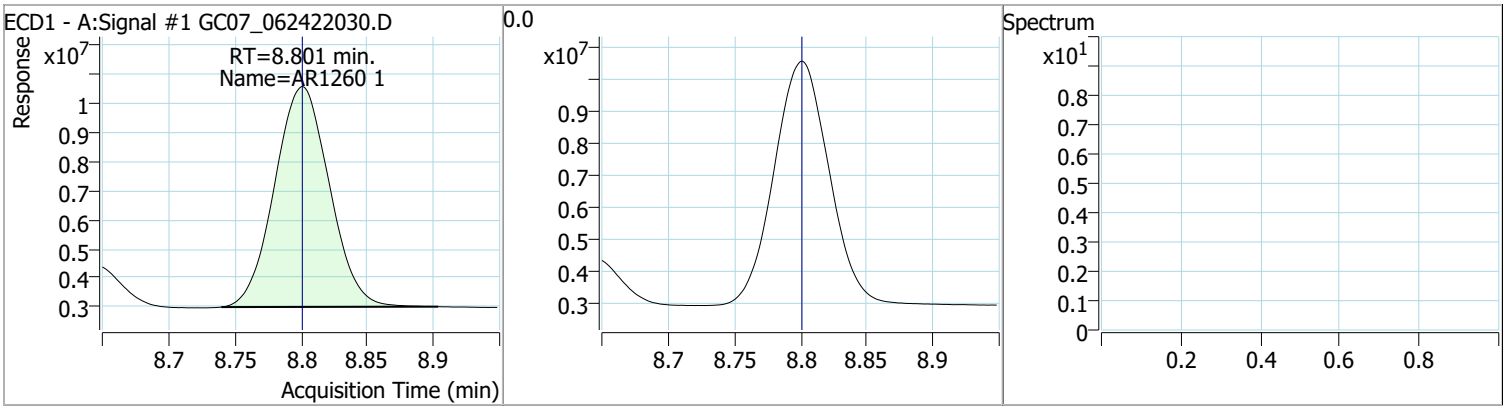
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1877.9532	7.09	0.00	3770734				



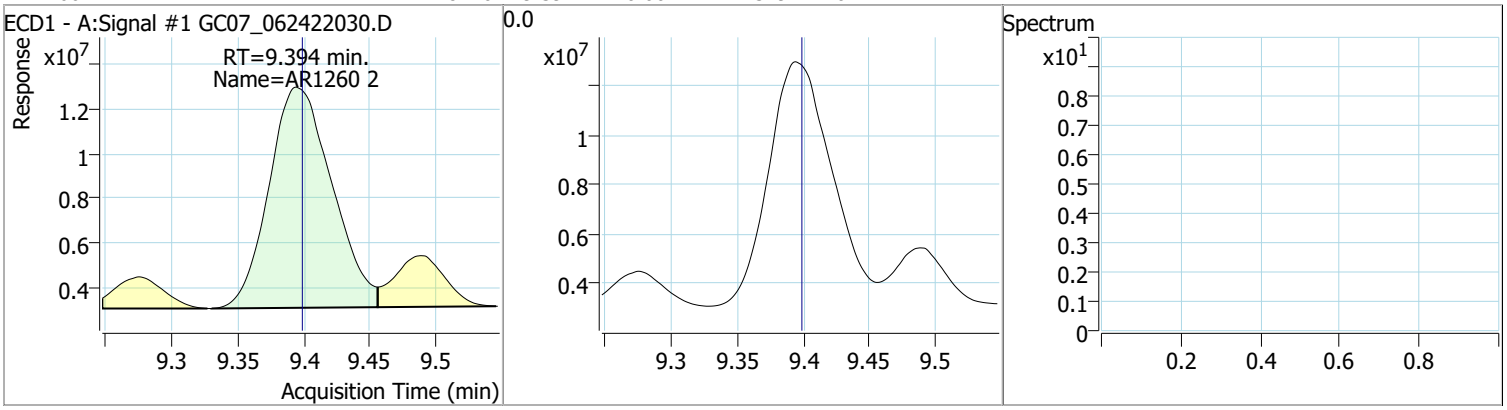
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1856.7920	7.80	0.00	3114359				



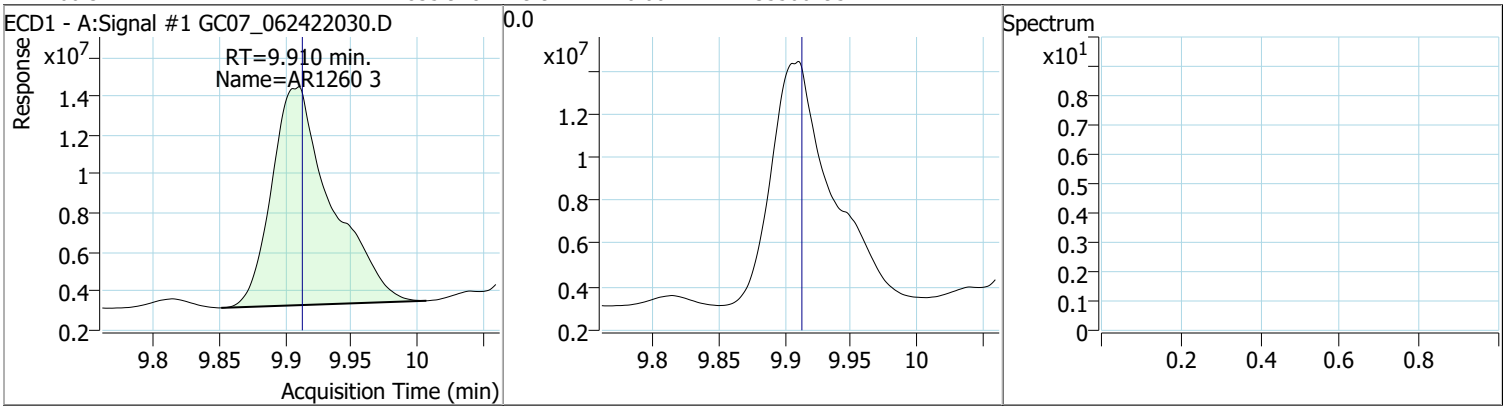
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1638.8931	8.80	0.00	21787981				



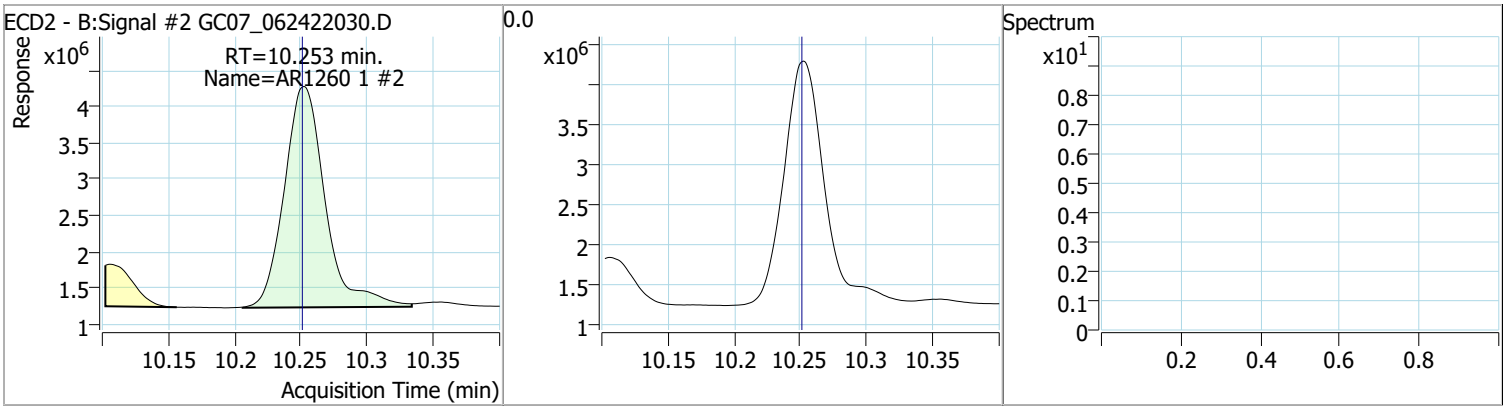
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1724.8420	9.39	0.00	32917120				



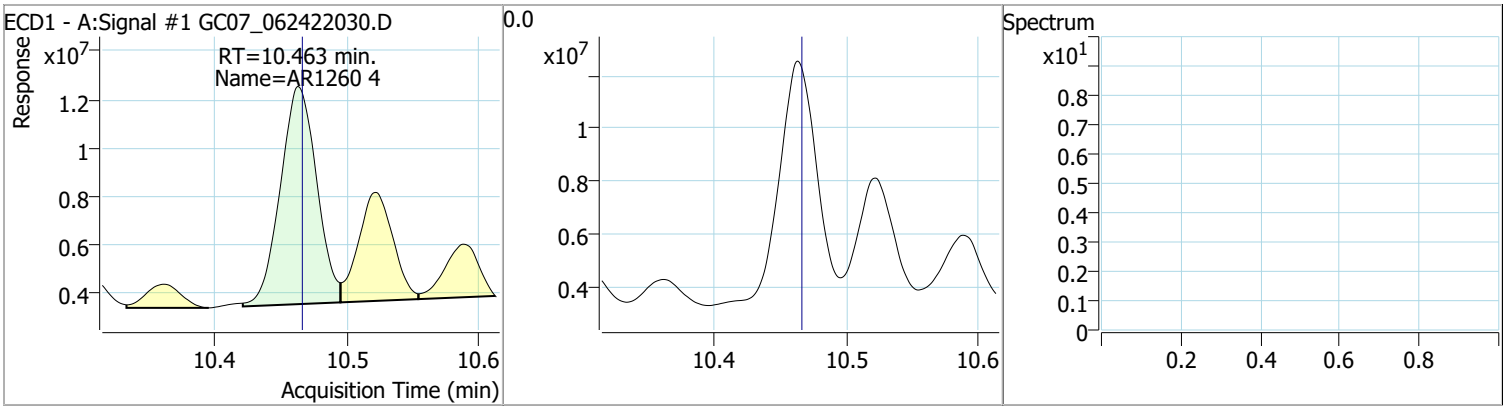
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1835.9781	9.91	0.00	35506795				



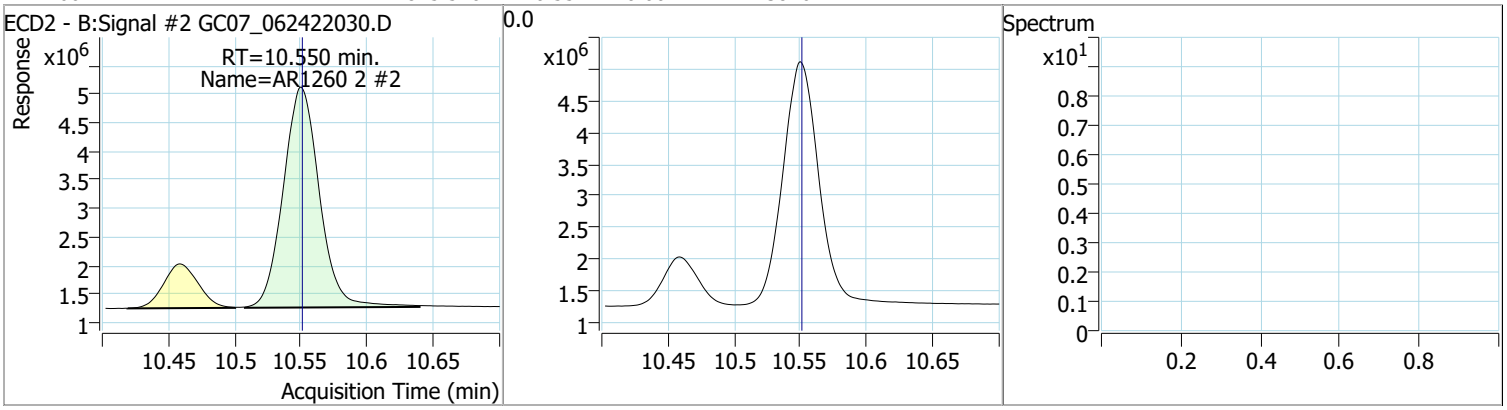
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1807.6512	10.25	0.00	6584362				



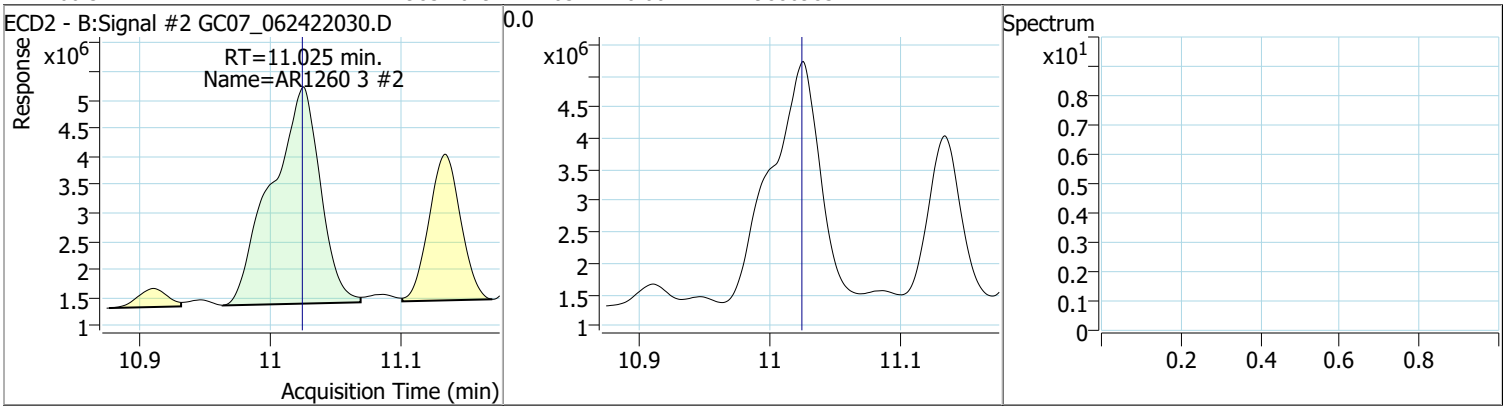
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1756.2212	10.46	0.00	17362853				



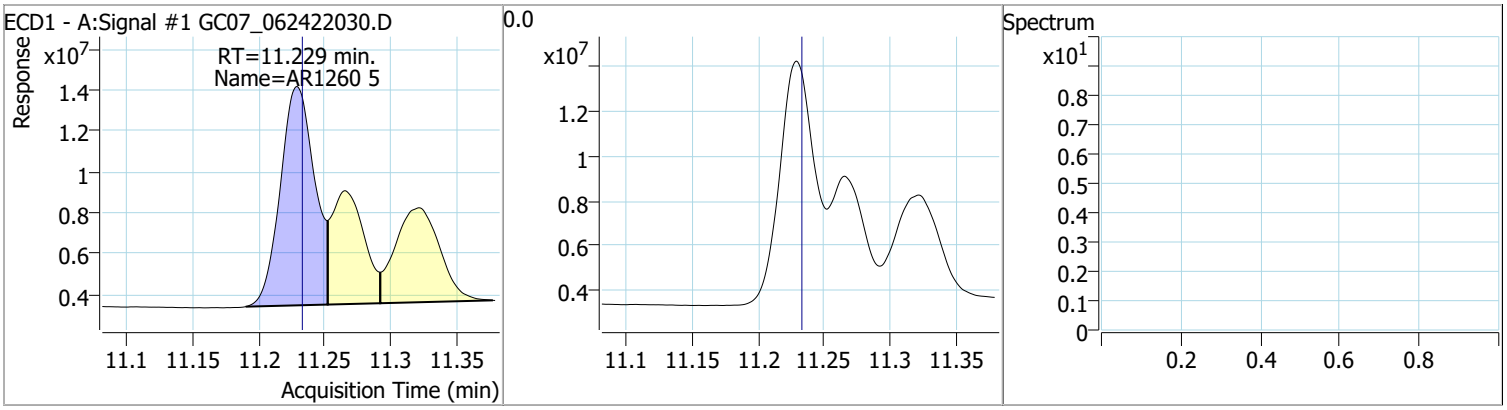
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1825.5404	10.55	0.00	7387671				



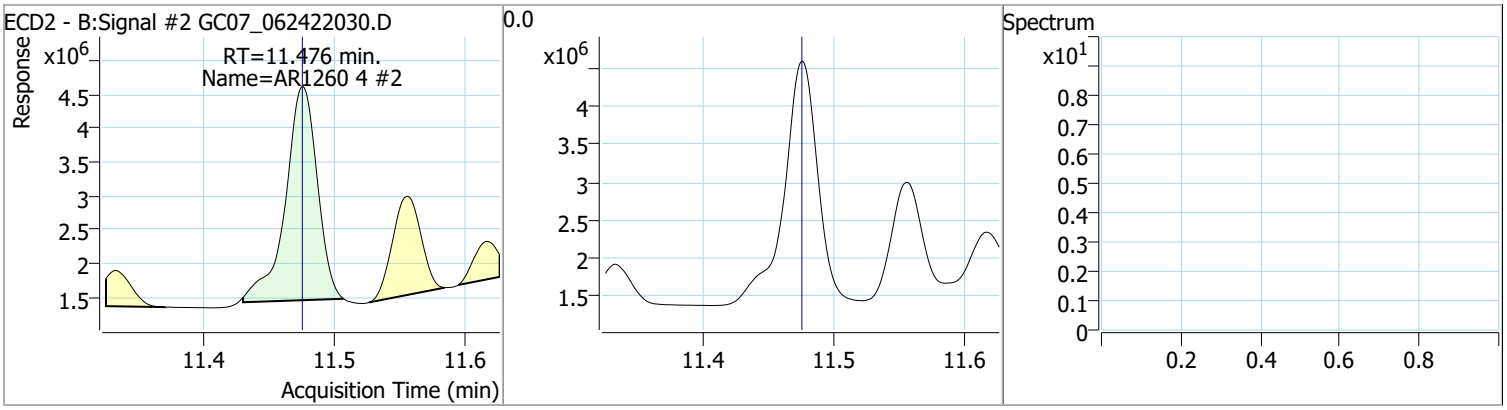
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1983.7079	11.03	0.00	9880983				



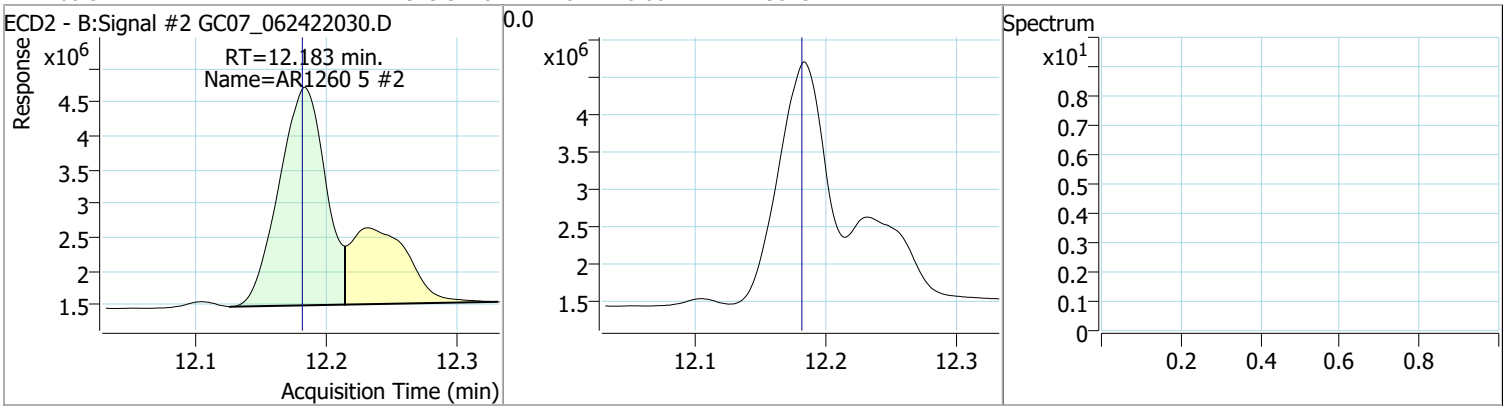
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	2142.4779	11.23	0.00	19446572				



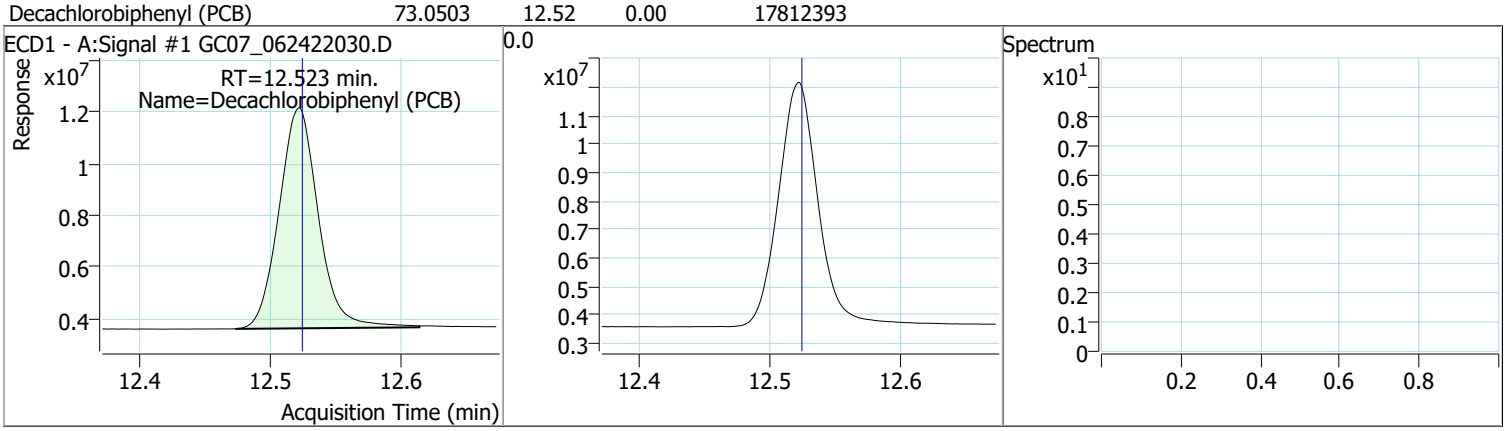
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1902.6228	11.48	0.00	5317224				



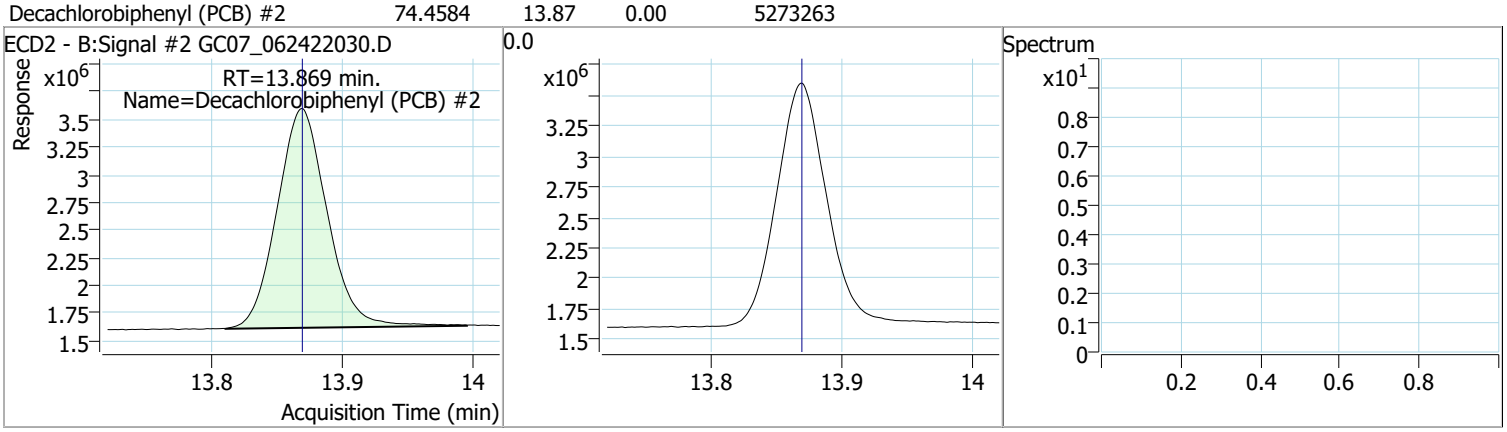
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1979.9418	12.18	0.00	7951542				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	73.0503	12.52	0.00	17812393				

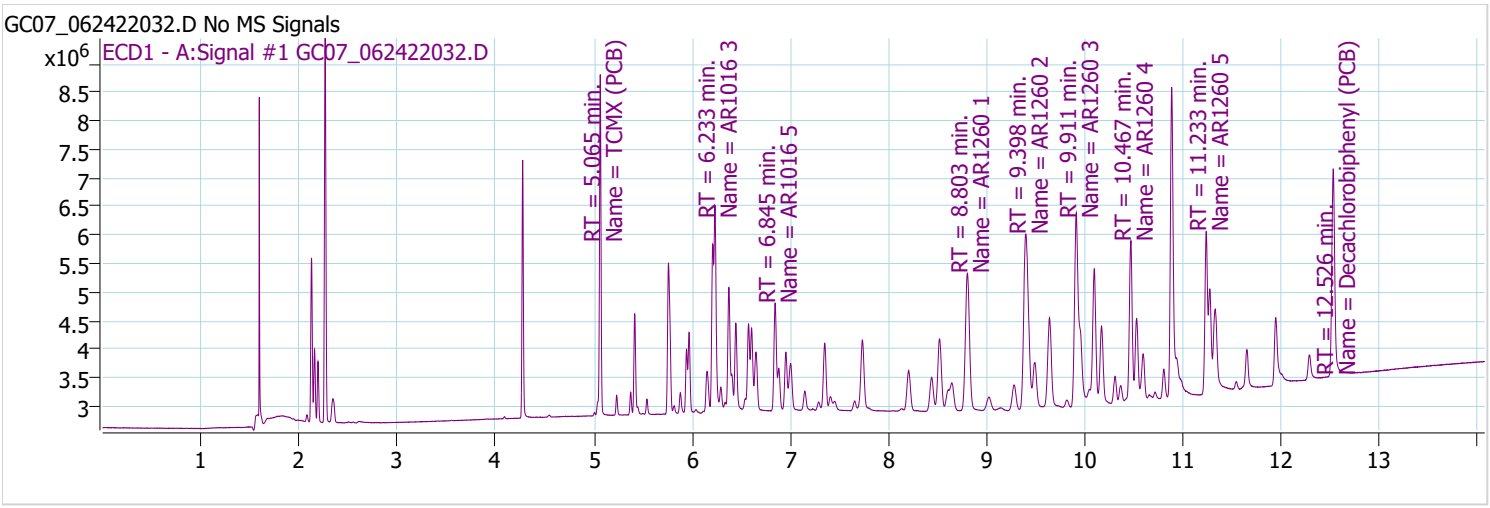


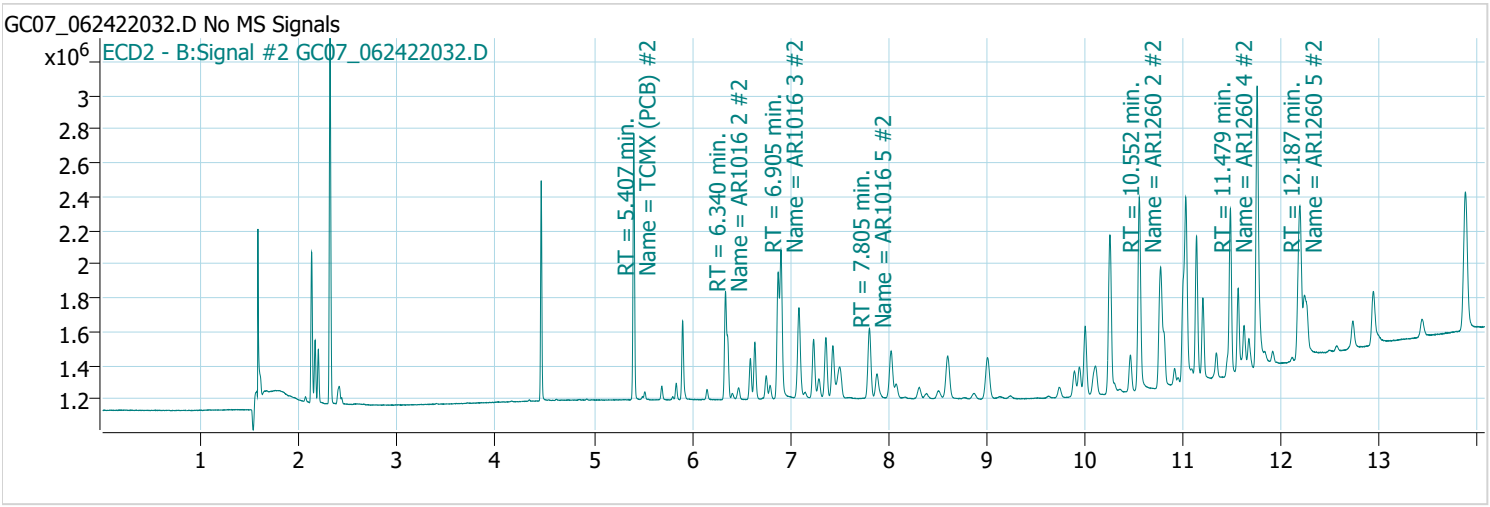
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	74.4584	13.87	0.00	5273263				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422032.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 3:34:47 AM
Sample Name	ICV, S16460	Instrument	SVOA-GC07
Vial	20	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	ICV PCB 500 PPB
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



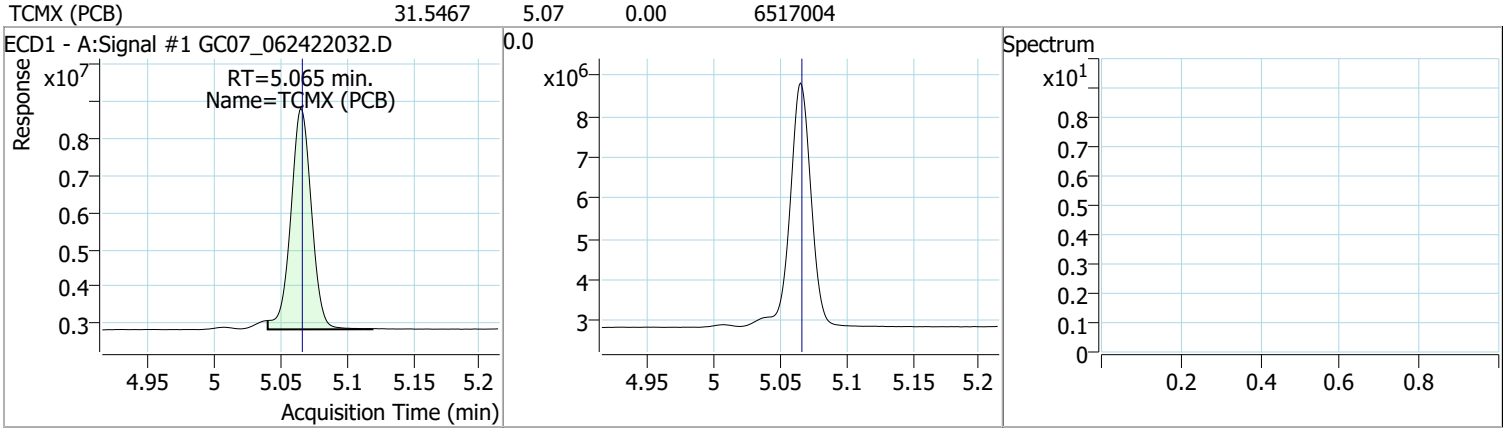


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.276	0.0	4380001.545	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.464	0.0	1162375.121	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.065	0.0	6517003.537	31.5467	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 157.73%		*	
S TCMX (PCB) #2	5.407	0.0	1736280.471	32.9142	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 164.57%		*	
S Decachlorobiphenyl (PCB)	12.526	0.0	7630932.148	31.1884	ng/ml		0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 155.94%		*	
S Decachlorobiphenyl (PCB) #2	13.871	0.0	2272784.465	31.7537	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 158.77%		*	
Target Compounds							QValue

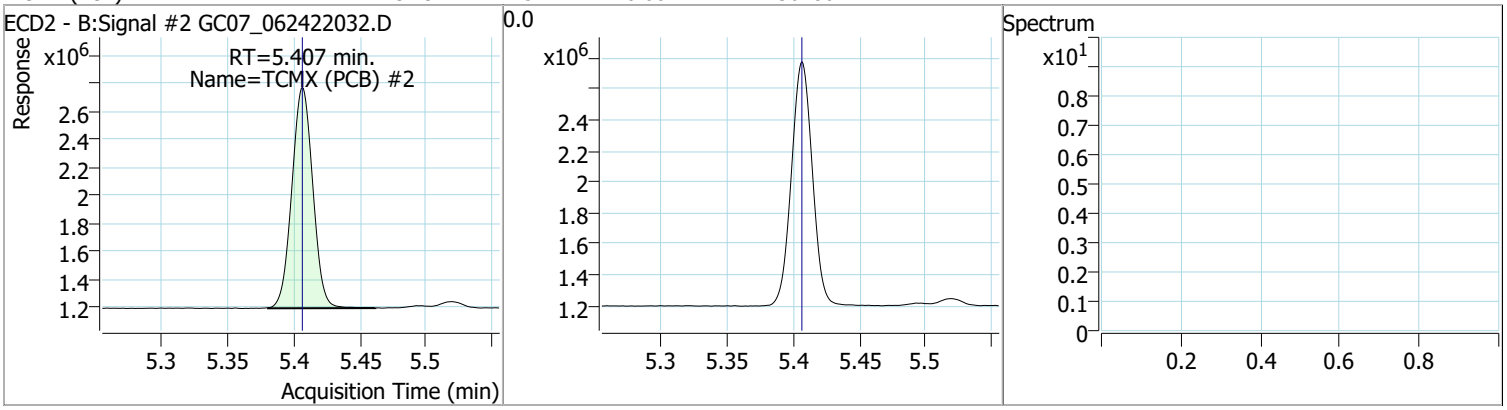
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.416	0.0	2178837.717	518.5224	ng/ml	m	100
T AR1016 2	5.760	0.0	4642693.939	509.7870	ng/ml		100
T AR1016 1 #2	5.904	0.0	621423.878	530.8730	ng/ml		100
T AR1016 3	6.233	0.0	5342379.321	506.5822	ng/ml		100
T AR1016 2 #2	6.340	0.0	1335548.891	523.9591	ng/ml		100
T AR1016 4	6.375	0.0	4069231.258	536.5765	ng/ml	m	100
T AR1016 5	6.845	0.0	3270931.448	517.8017	ng/ml		100
T AR1016 3 #2	6.905	0.0	1520880.636	520.1666	ng/ml		100
T AR1016 4 #2	7.088	0.0	1079057.494	531.7470	ng/ml		100
T AR1016 5 #2	7.805	0.0	884088.226	521.5449	ng/ml		100
T AR1260 1	8.803	0.0	7014371.141	525.8207	ng/ml		100
T AR1260 2	9.398	0.0	10362586.885	541.1417	ng/ml		100
T AR1260 3	9.911	0.0	10584612.381	545.4391	ng/ml		100
T AR1260 1 #2	10.253	0.0	2028569.774	551.0518	ng/ml		100
T AR1260 4	10.467	0.0	5296031.081	533.8558	ng/ml		100
T AR1260 2 #2	10.552	0.0	2268856.319	554.7438	ng/ml		100
T AR1260 3 #2	11.024	0.0	2956424.368	587.2809	ng/ml		100
T AR1260 5	11.233	0.0	5010403.817	550.1250	ng/ml		100
T AR1260 4 #2	11.479	0.0	1589082.205	562.6206	ng/ml		100
T AR1260 5 #2	12.187	0.0	2266612.500	558.4443	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

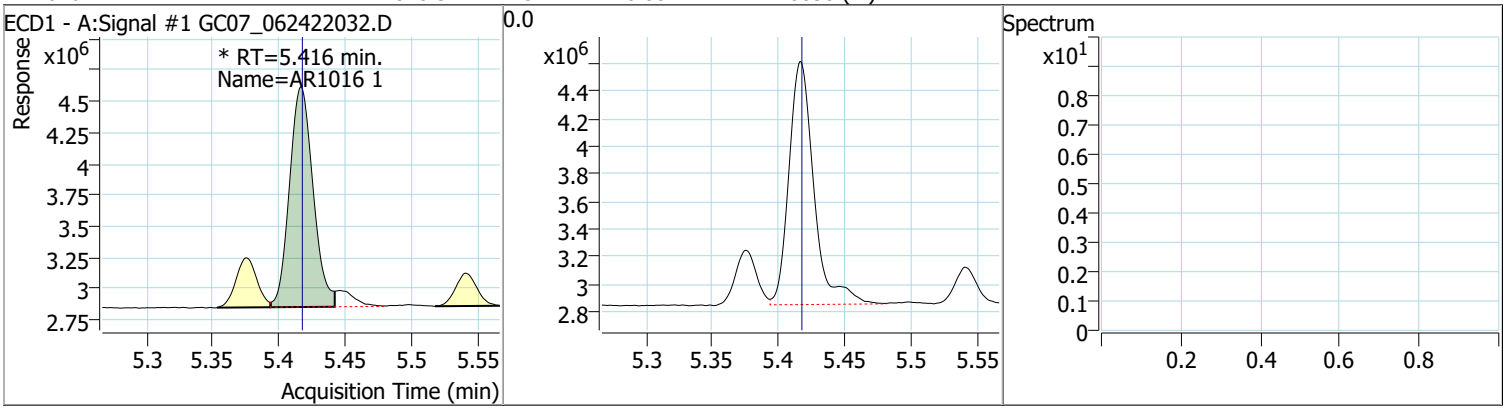
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	31.5467	5.07	0.00	6517004				



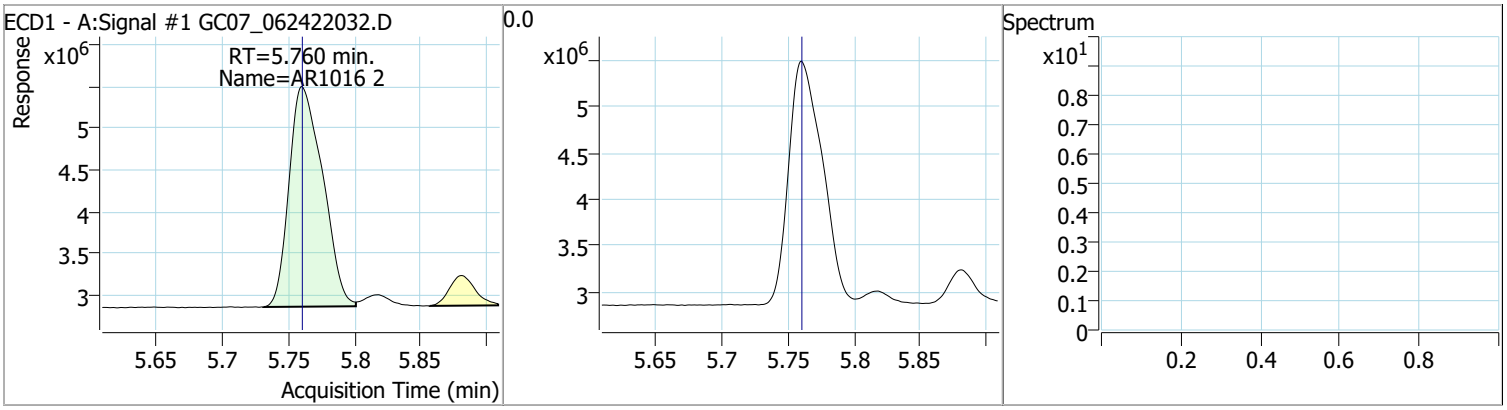
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	32.9142	5.41	0.00	1736280				



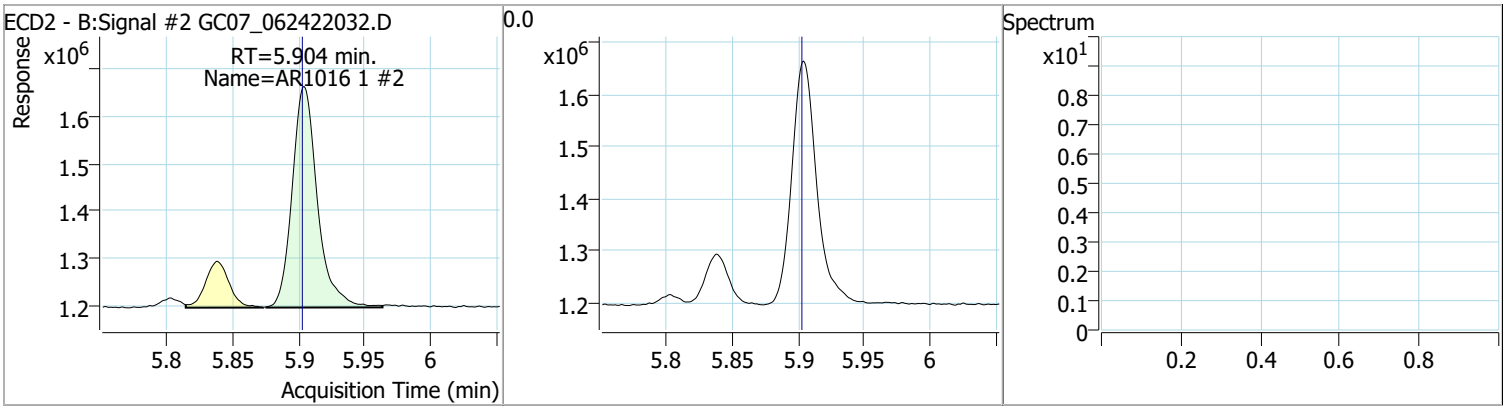
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	518.5224	5.42	0.00	2178838 (m)				



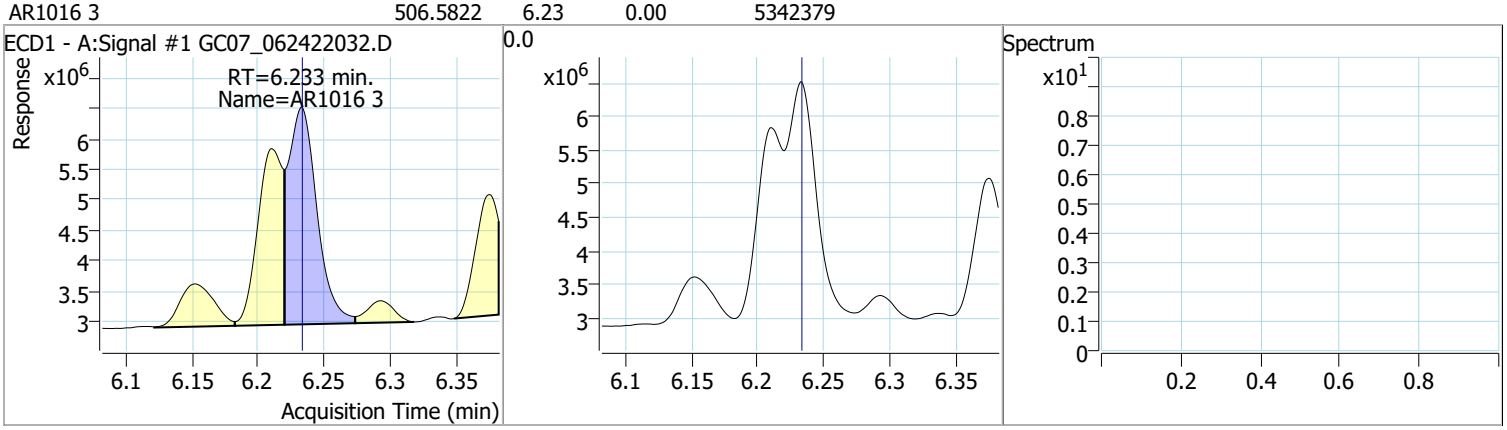
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	509.7870	5.76	0.00	4642694				



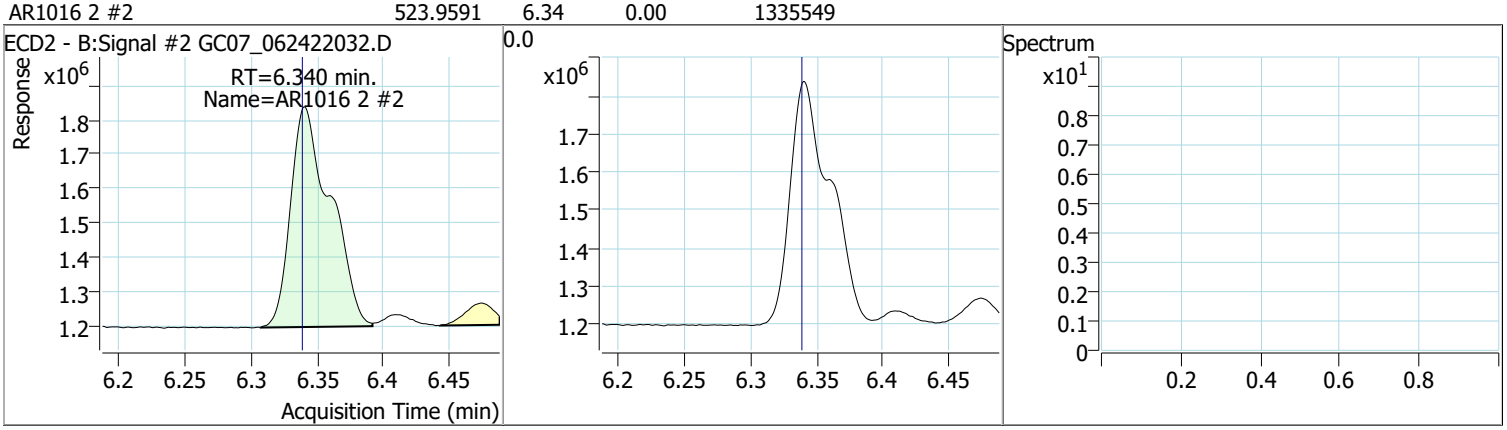
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	530.8730	5.90	0.00	621424				



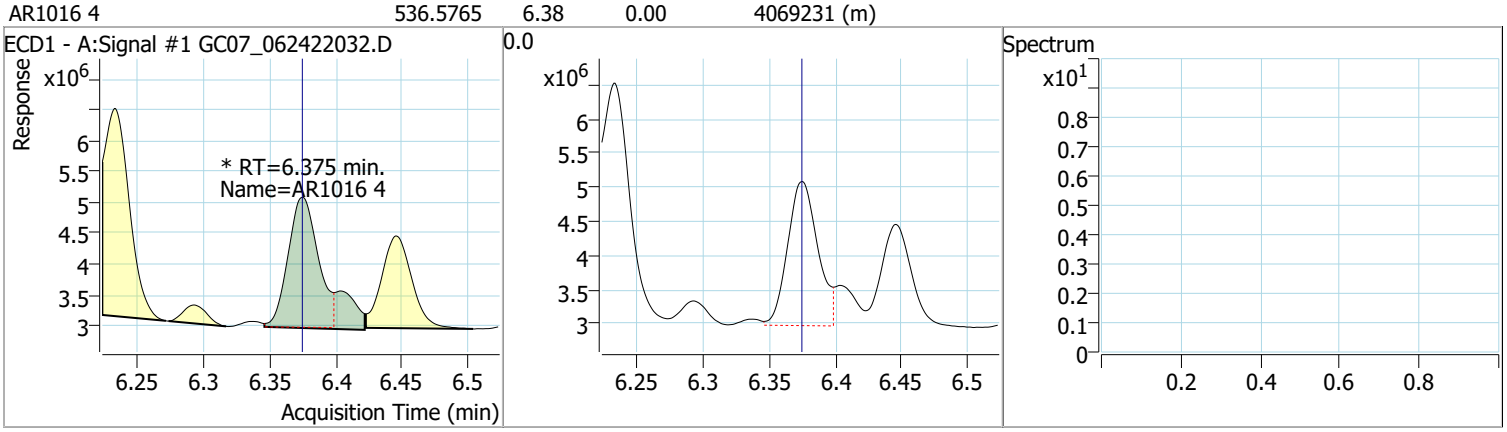
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	506.5822	6.23	0.00	5342379				



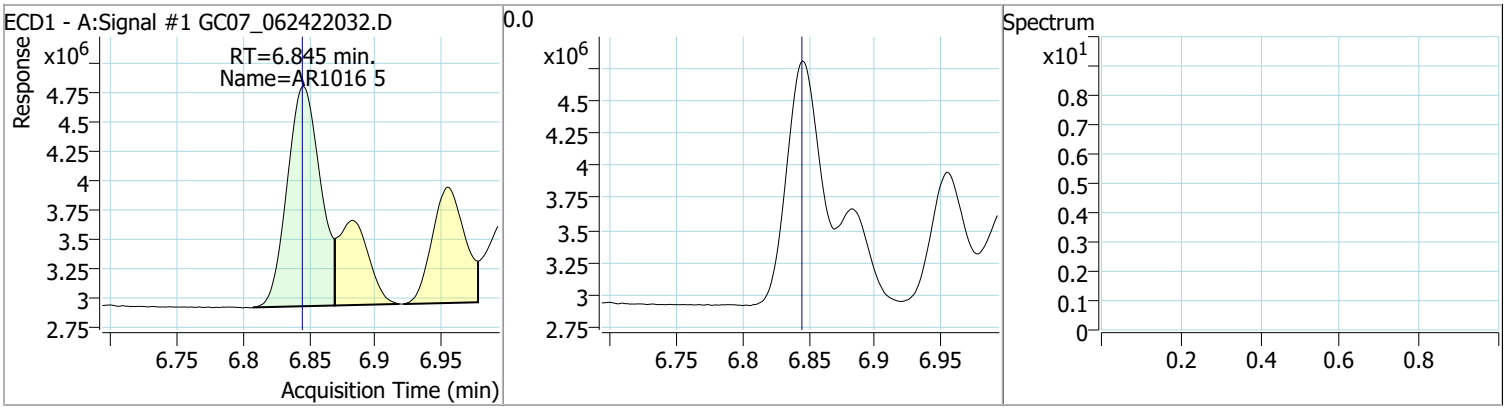
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	523.9591	6.34	0.00	1335549				



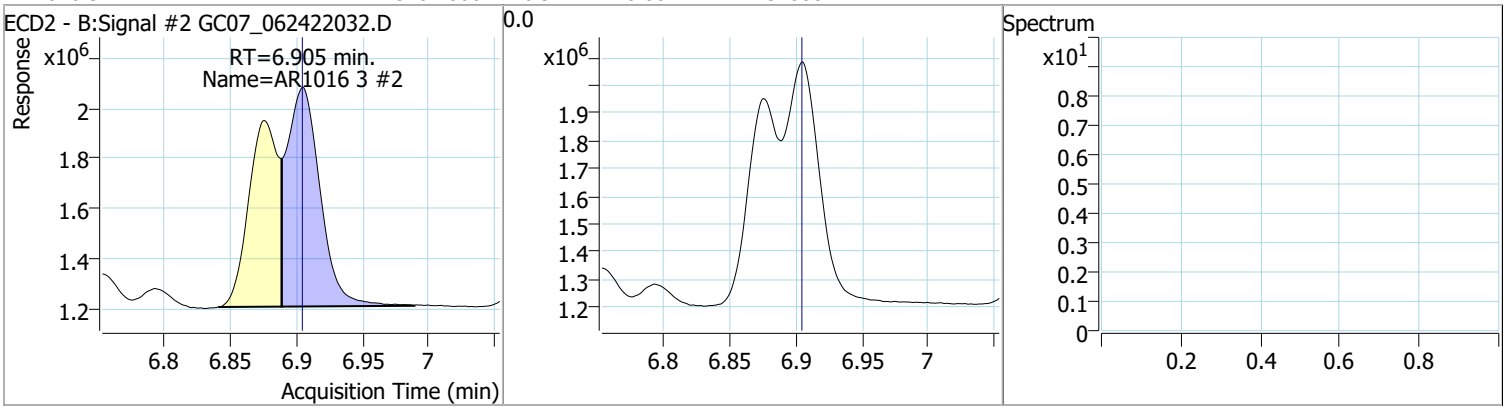
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	536.5765	6.38	0.00	4069231 (m)				



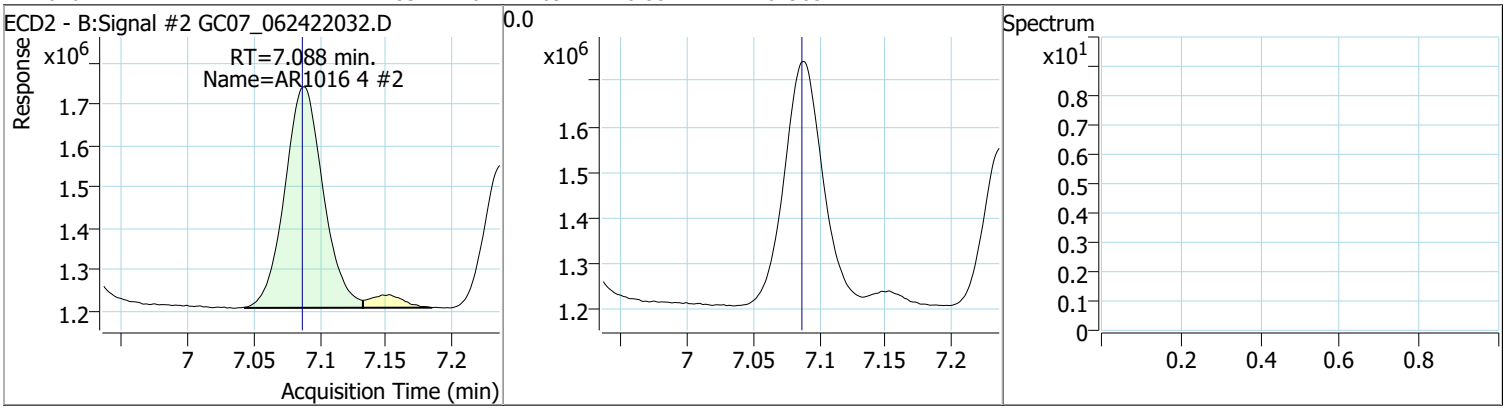
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	517.8017	6.85	0.00	3270931				



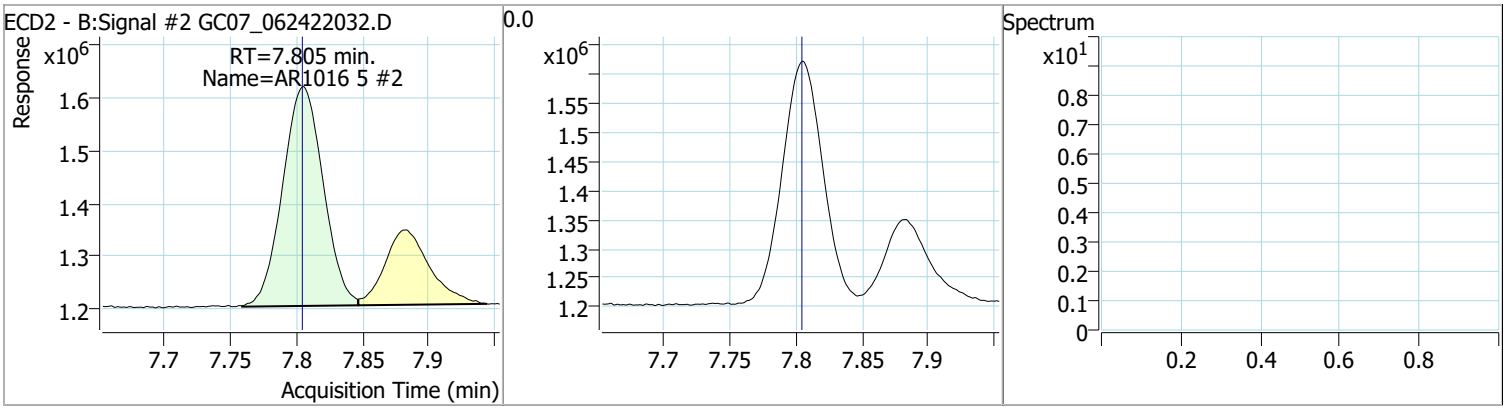
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	520.1666	6.91	0.00	1520881				



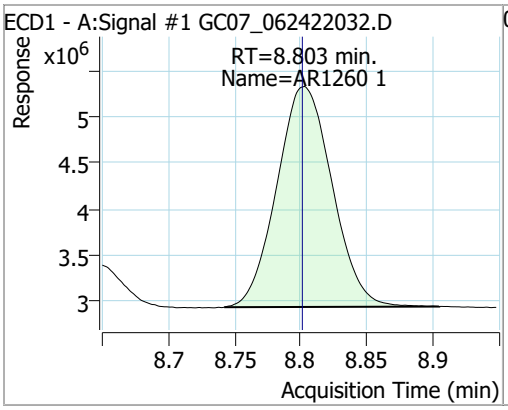
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	531.7470	7.09	0.00	1079057				

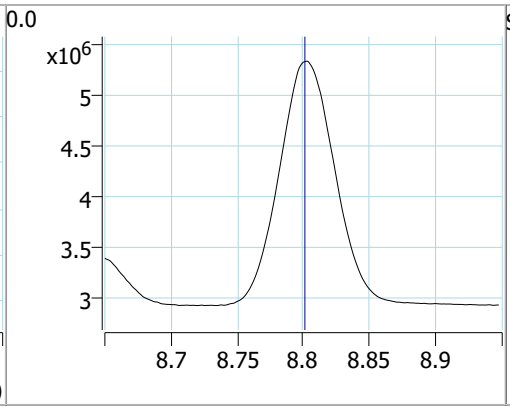


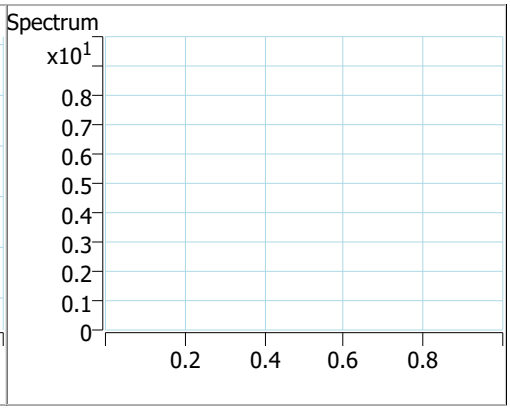
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	521.5449	7.81	0.00	884088				



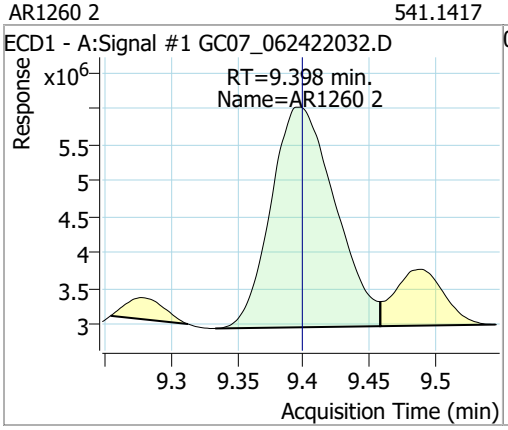
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	525.8207	8.80	0.00	7014371				

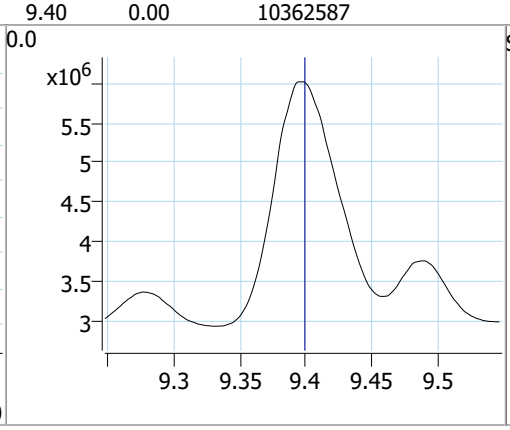


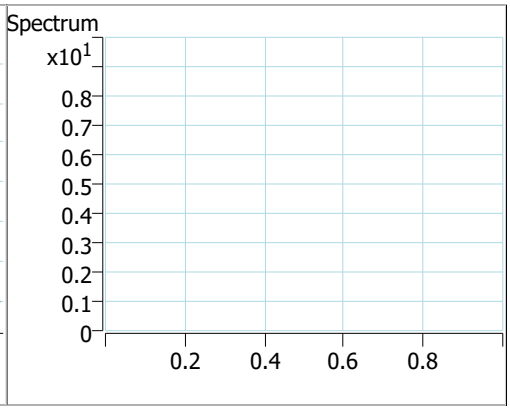




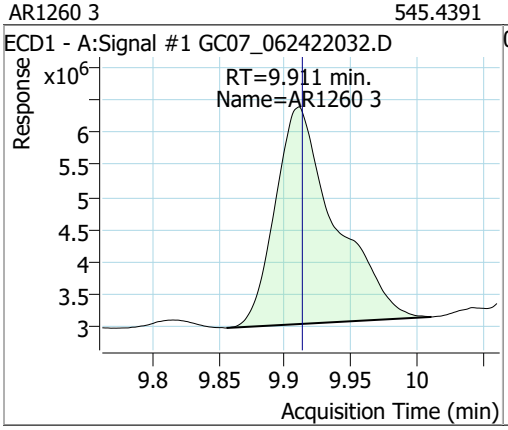
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	541.1417	9.40	0.00	10362587				

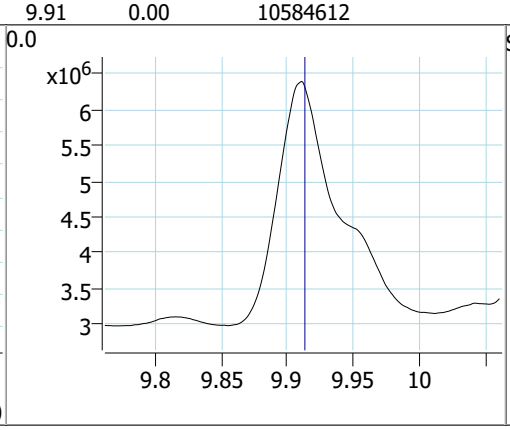


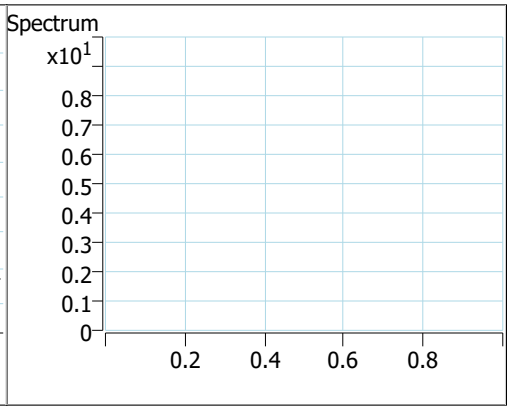




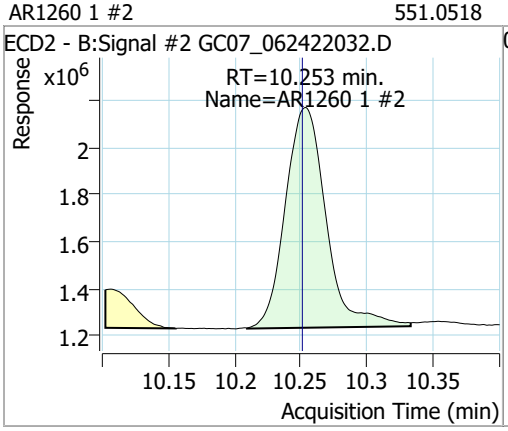
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	545.4391	9.91	0.00	10584612				

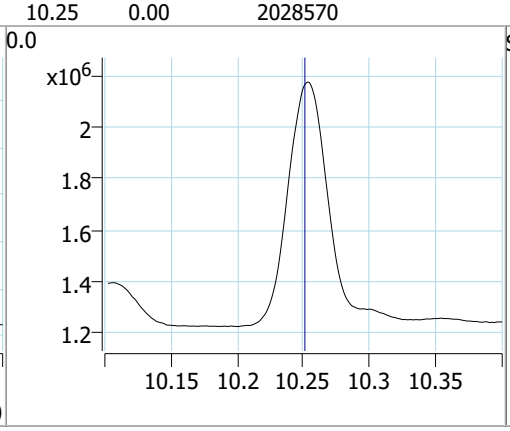


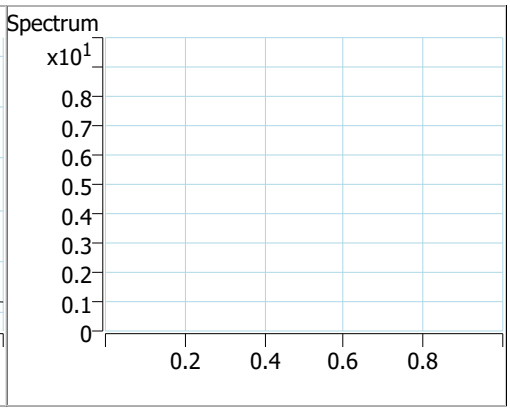




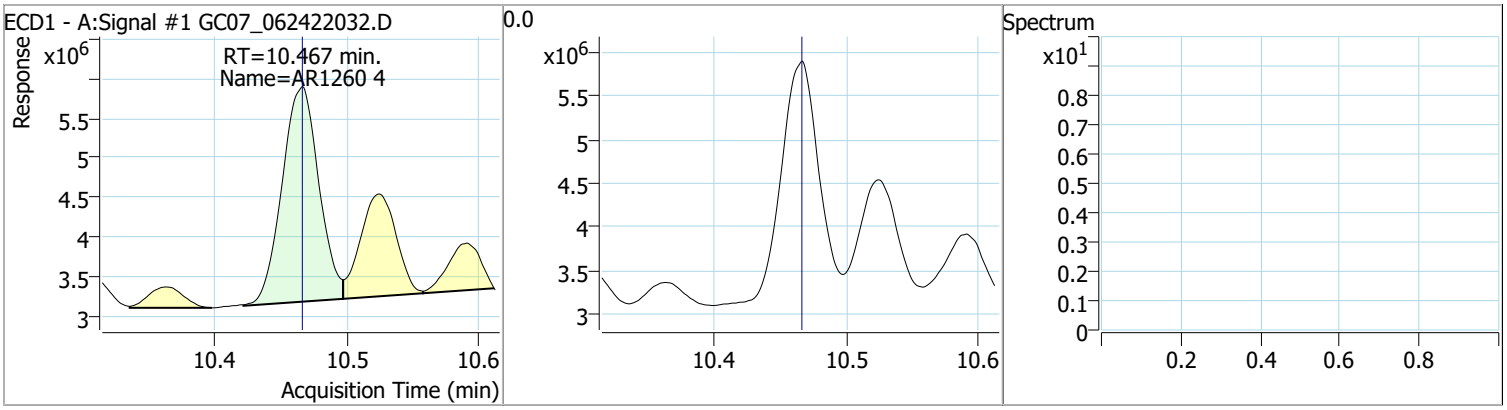
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	551.0518	10.25	0.00	2028570				



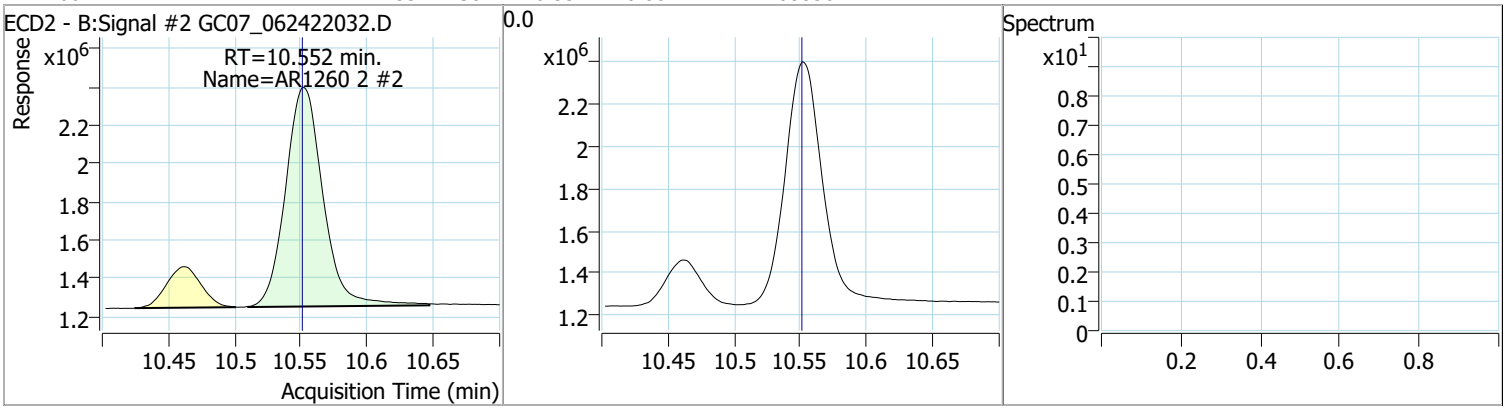




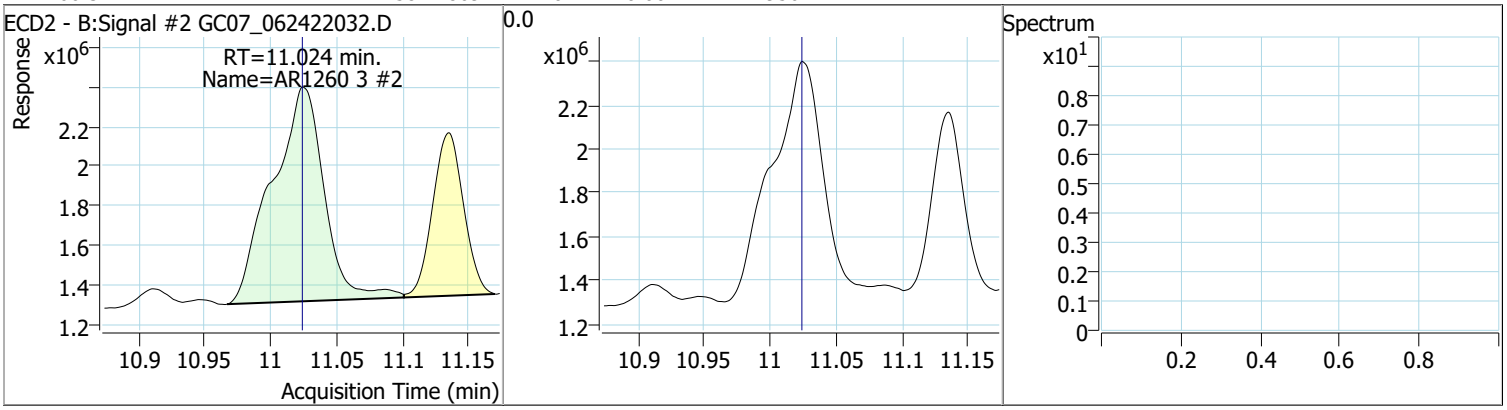
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	533.8558	10.47	0.00	5296031				



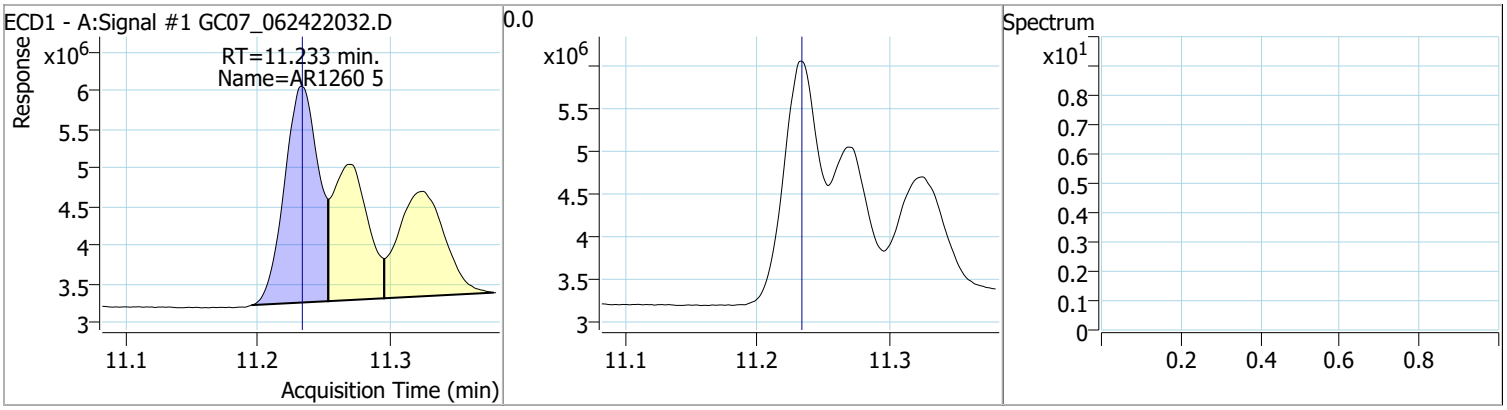
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	554.7438	10.55	0.00	2268856				



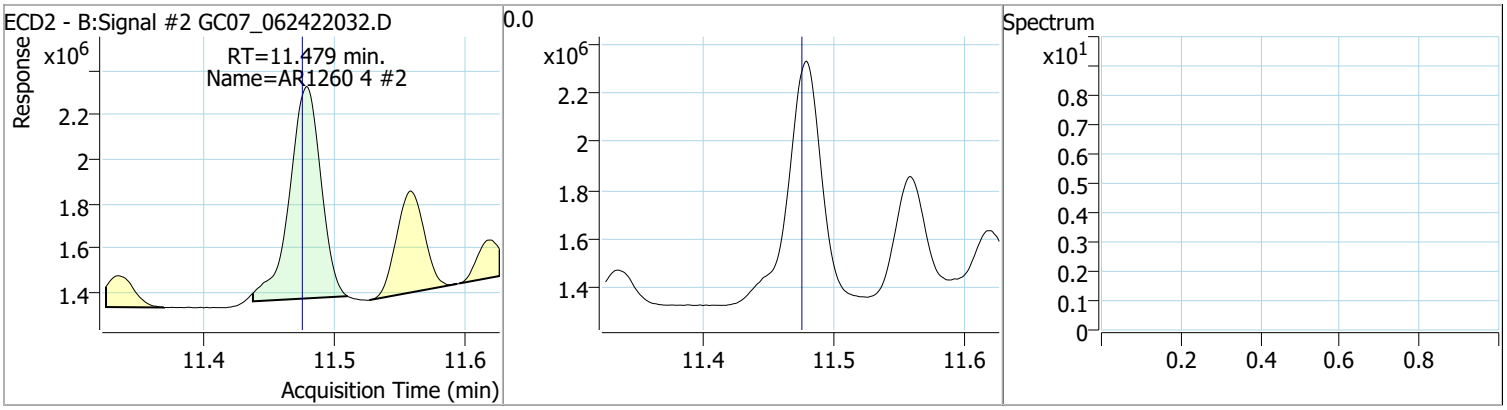
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	587.2809	11.02	0.00	2956424				



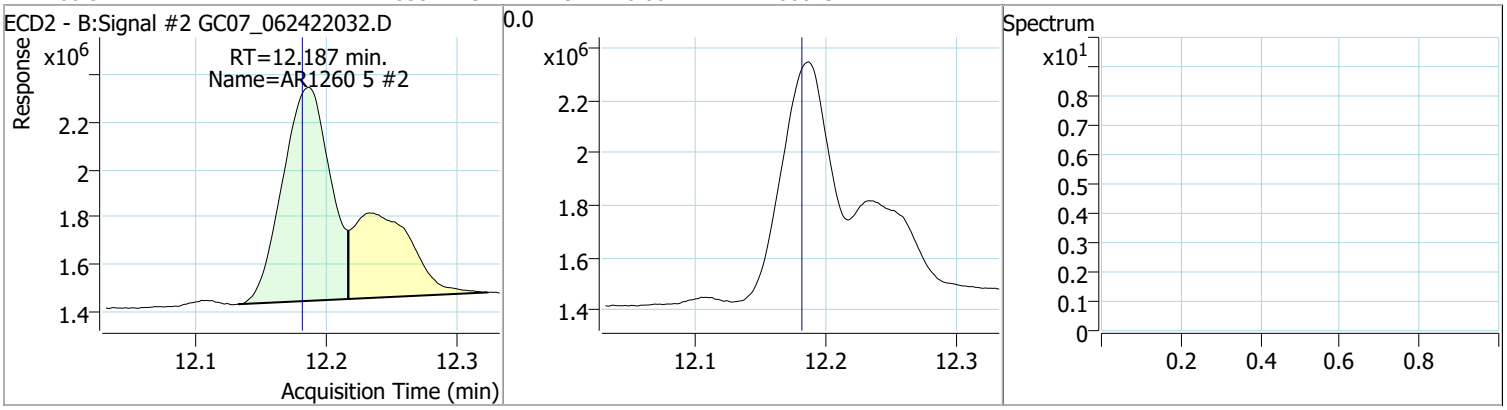
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	550.1250	11.23	0.00	5010404				



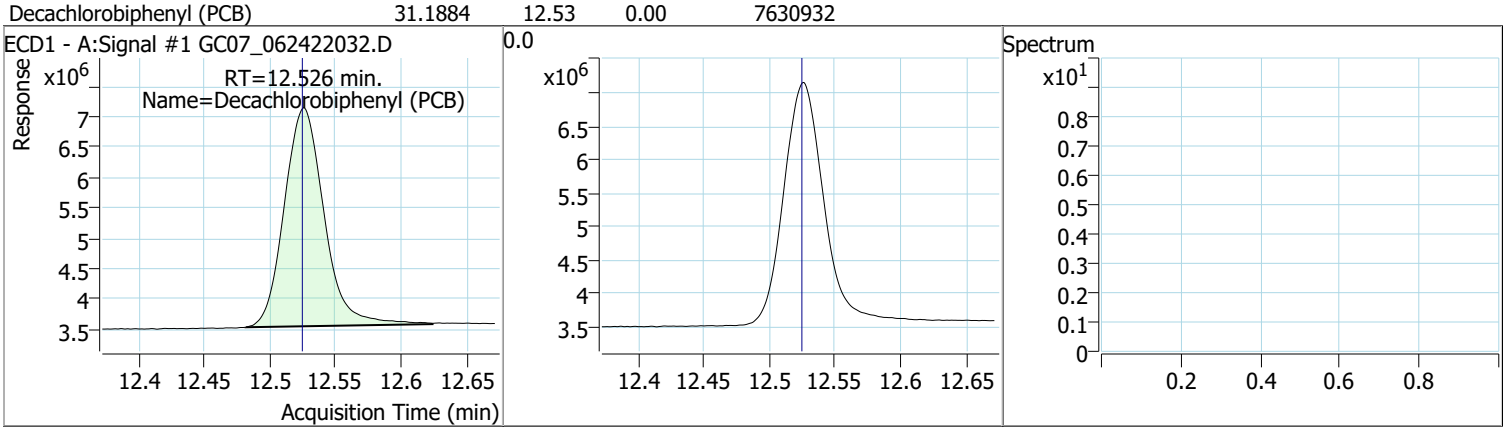
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	562.6206	11.48	0.00	1589082				



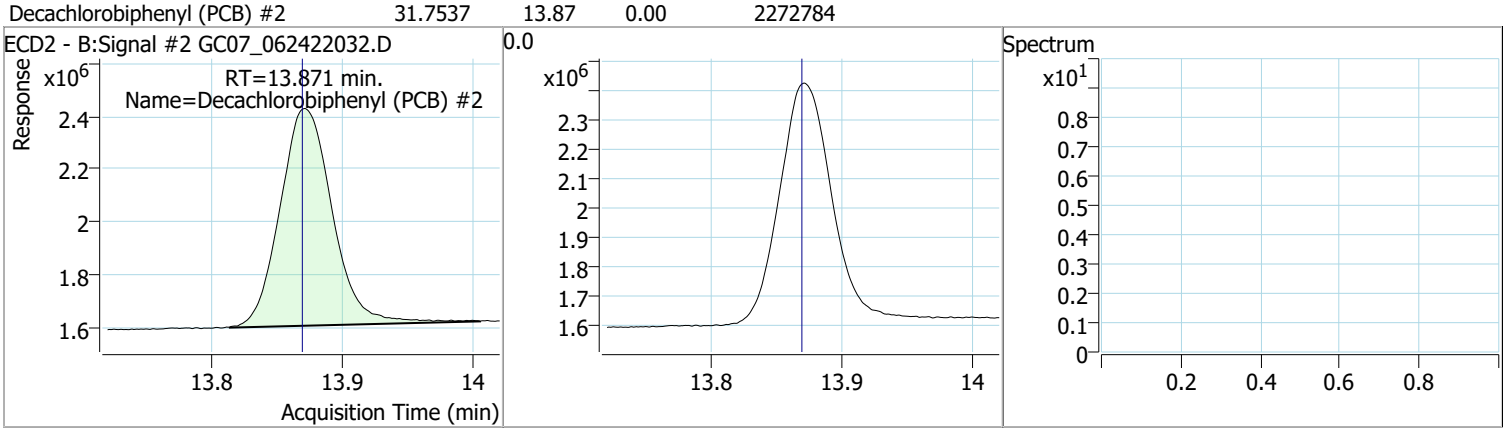
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	558.4443	12.19	0.00	2266613				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	31.1884	12.53	0.00	7630932				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	31.7537	13.87	0.00	2272784				



ENTHALPY INITIAL CALIBRATION FOR 465031 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_070822_1268_1
Calibration #:	462271307001	Date:	07-JUL-2022 15:50
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc07_070722016	462271307016		07-JUL-2022 15:50	S16847

Analyte	Ch	L1 RF	Type	a0	a1	a2	Avg RF	%RSD	Min r^2	Max %RSD	Flags
Aroclor-1268 Peak # 1	A	0.0227	AVRG		44.0027		0.0227	0	.99	20	
Aroclor-1268 Peak # 2	A	0.0289	AVRG		34.5752		0.0289	0	.99	20	
Aroclor-1268 Peak # 3	A	0.1072	AVRG		9.33237		0.1072	0	.99	20	
Aroclor-1268 Peak # 4	A	0.0855	AVRG		11.6952		0.0855	0	.99	20	
Aroclor-1268 Peak # 5	A	0.2799	AVRG		3.57318		0.2799	0	.99	20	
Aroclor-1268 Peak # 1	B	0.0229	AVRG		43.7590		0.0229	0	.99	20	
Aroclor-1268 Peak # 2	B	0.0298	AVRG		33.5258		0.0298	0	.99	20	
Aroclor-1268 Peak # 3	B	0.1150	AVRG		8.69760		0.1150	0	.99	20	
Aroclor-1268 Peak # 4	B	0.0944	AVRG		10.5968		0.0944	0	.99	20	
Aroclor-1268 Peak # 5	B	0.3097	AVRG		3.22864		0.3097	0	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

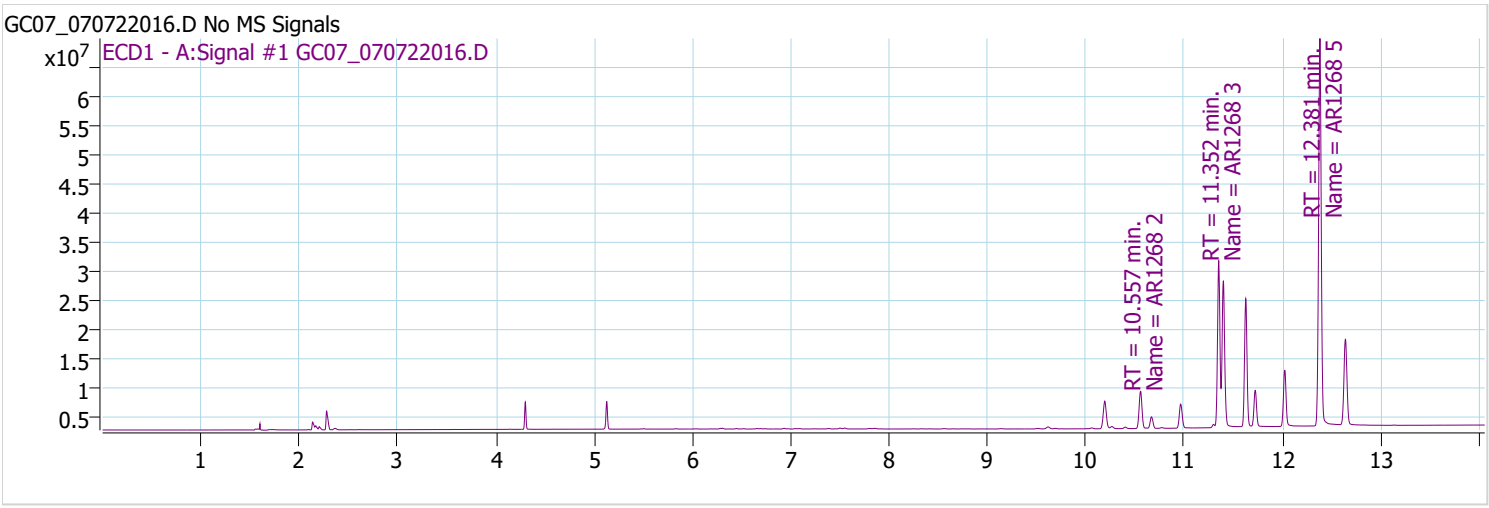
Spiked Amounts / Drifts	Ch	L1	%D
Aroclor-1268 Peak # 1	A	2000.0	0
Aroclor-1268 Peak # 2	A	2000.0	0
Aroclor-1268 Peak # 3	A	2000.0	0
Aroclor-1268 Peak # 4	A	2000.0	0
Aroclor-1268 Peak # 5	A	2000.0	0
Aroclor-1268 Peak # 1	B	2000.0	0
Aroclor-1268 Peak # 2	B	2000.0	0
Aroclor-1268 Peak # 3	B	2000.0	0
Aroclor-1268 Peak # 4	B	2000.0	0
Aroclor-1268 Peak # 5	B	2000.0	0

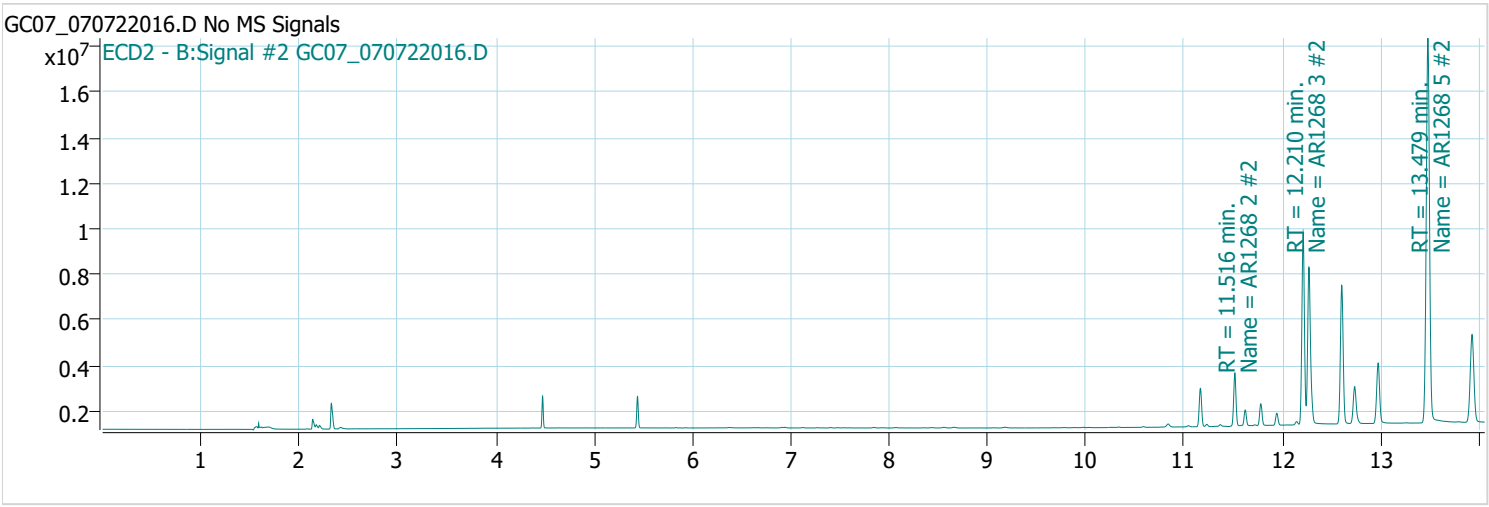
Analyst: TRN 07/09/22

Reviewer: LW 07/11/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_070722016.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/7/2022 3:50:00 PM
Sample Name	ICAL, S16847	Instrument	SVOA-GC07
Vial	150	Multiplier	1.00
DA Method File	PCB_AR1268_070822_GC07_1.m	Comment	AR1268 2000 PPB
Tune File	ATUNE.U	Tune Date	
Batch Name	070822AR1268.batch.bin	Last Calib Update	7/8/2022 7:16:21 PM
Ref Library			



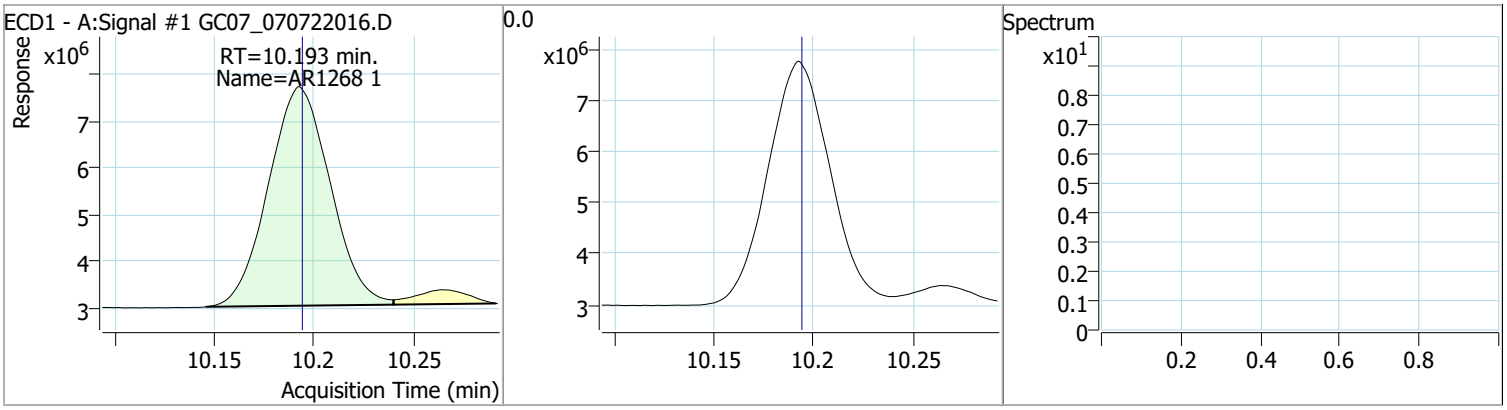


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (1268)	4.299	0.0	4484014.398	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (1268) #2	4.475	0.0	1258224.692	20.0000	ng/ml	0.000
System Monitoring Compounds						
Target Compounds						QValue
T AR1268 1	10.193	0.0	10190308.532	2000.0000	ng/ml	100
T AR1268 2	10.557	0.0	12968886.799	2000.0000	ng/ml	100
T Aroclor-1268	11.222	0.0	47007713.896	2000.0000	ng/ml	
T AR1268 1 #2	11.165	0.0	2875351.135	2000.0000	ng/ml	100
T AR1268 3	11.352	0.0	48047946.719	2000.0000	ng/ml	100
T AR1268 2 #2	11.516	0.0	3753000.456	2000.0000	ng/ml	100

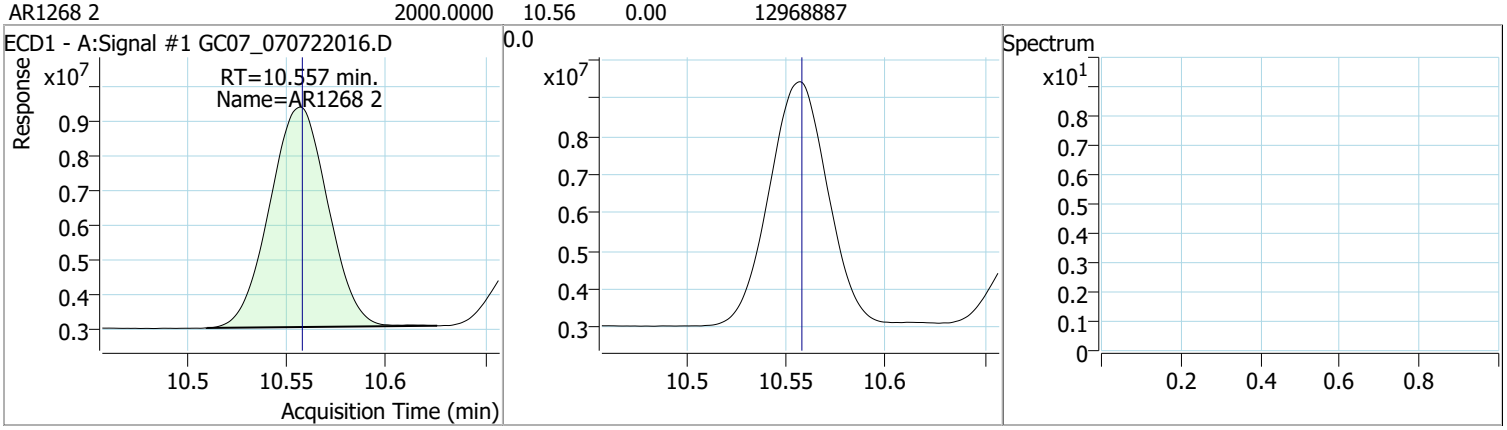
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1268 4	11.627	0.0	38340542.094	2000.0000	ng/ml	100
T AR1268 3 #2	12.210	0.0	14466345.922	2000.0000	ng/ml	100
T AR1268 5	12.381	0.0	125490885.335	2000.0000	ng/ml	100
T Aroclor-1268 #2	12.195	0.0	14387805.341	2000.0000	ng/ml	
T AR1268 4 #2	12.603	0.0	11873626.819	2000.0000	ng/ml	100
T AR1268 5 #2	13.479	0.0	38970702.374	2000.0000	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

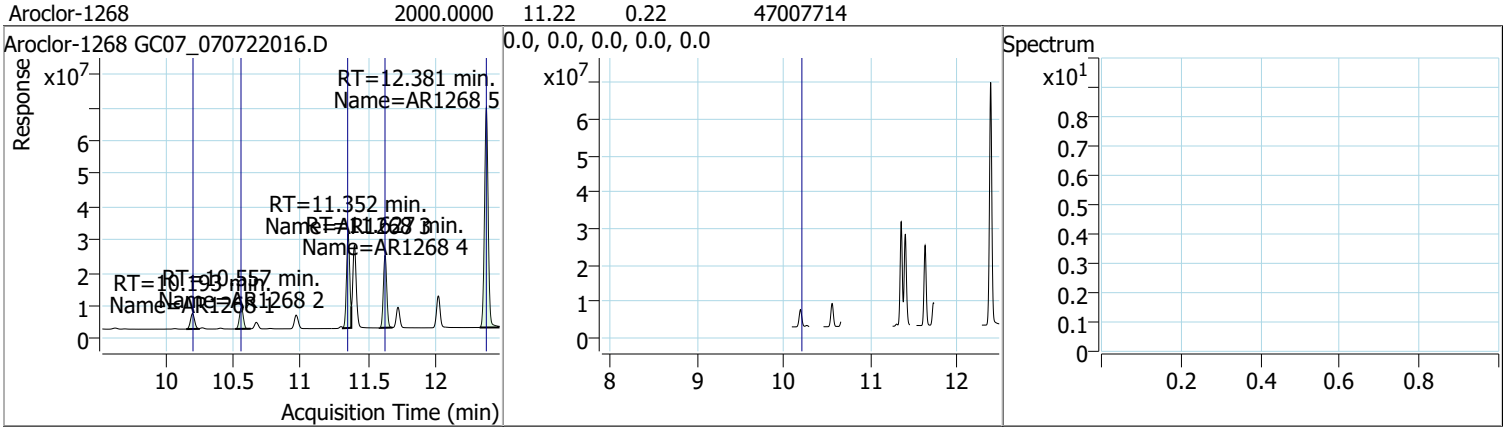
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1	2000.0000	10.19	0.00	10190309				



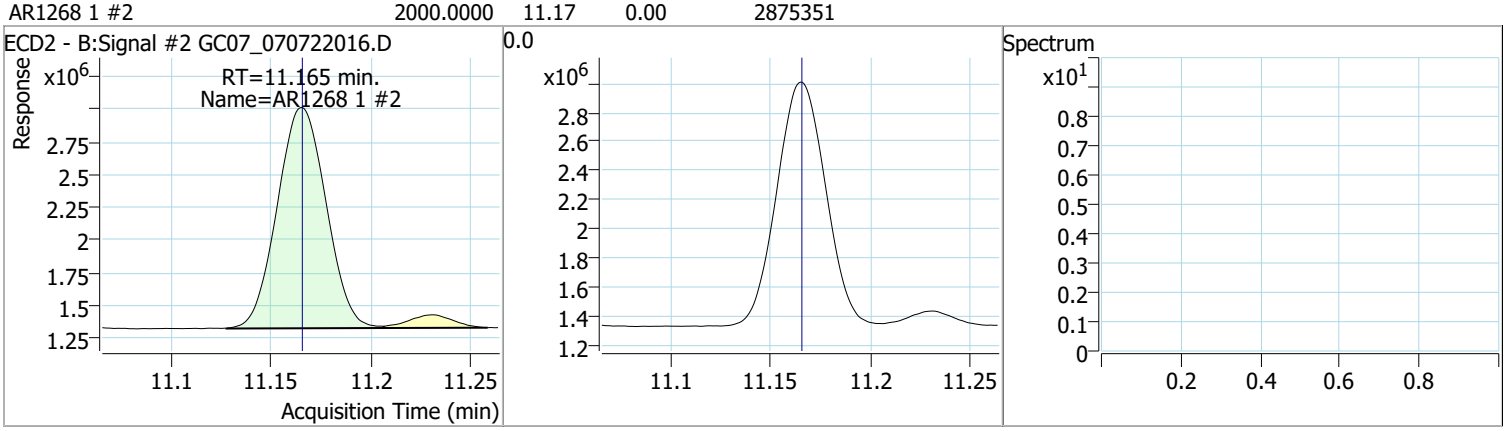
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2	2000.0000	10.56	0.00	12968887				



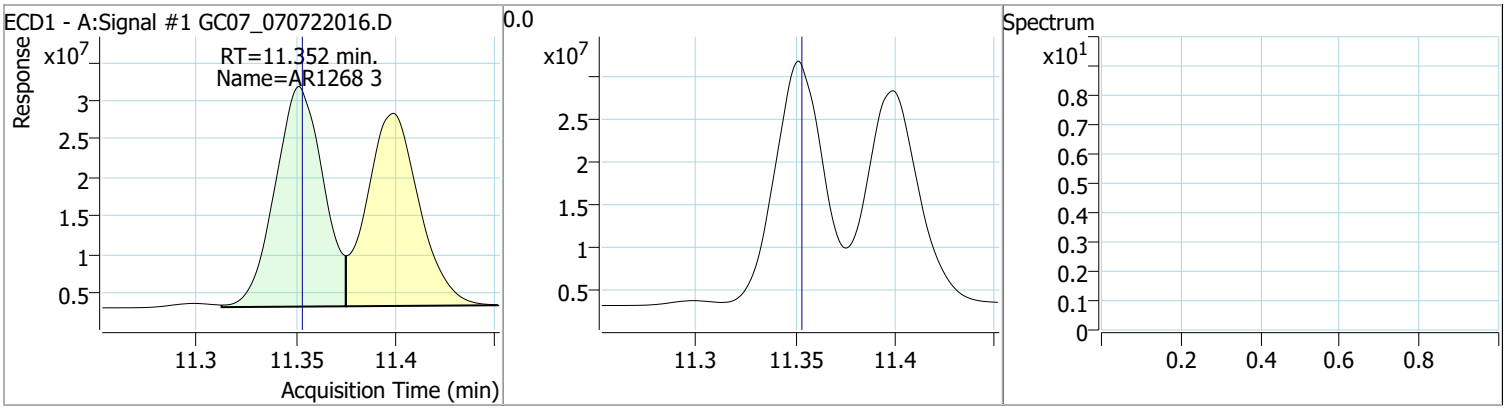
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268	2000.0000	11.22	0.22	47007714				



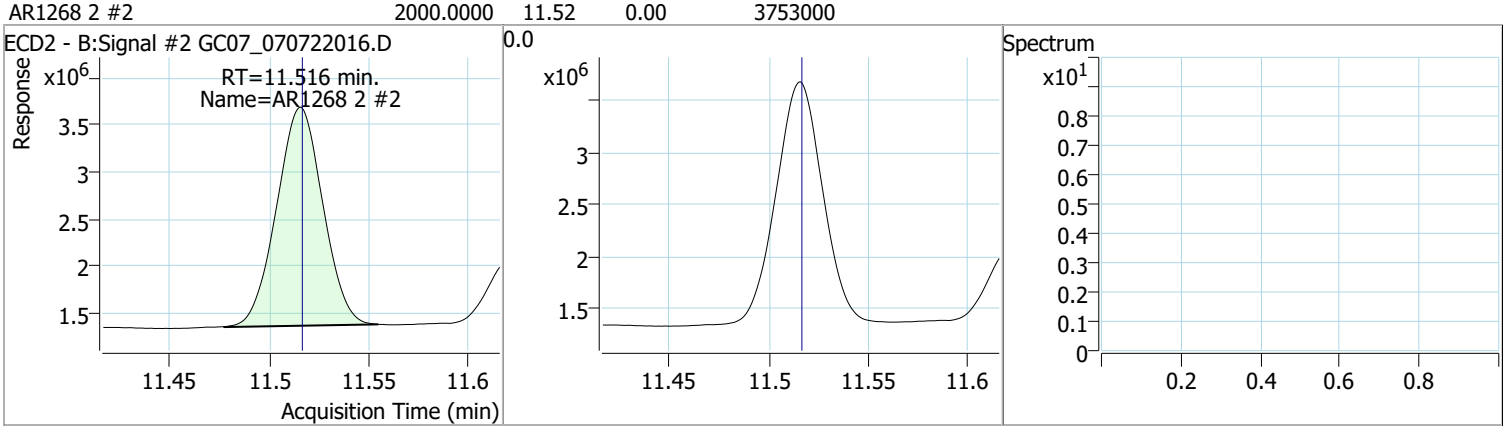
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1 #2	2000.0000	11.17	0.00	2875351				



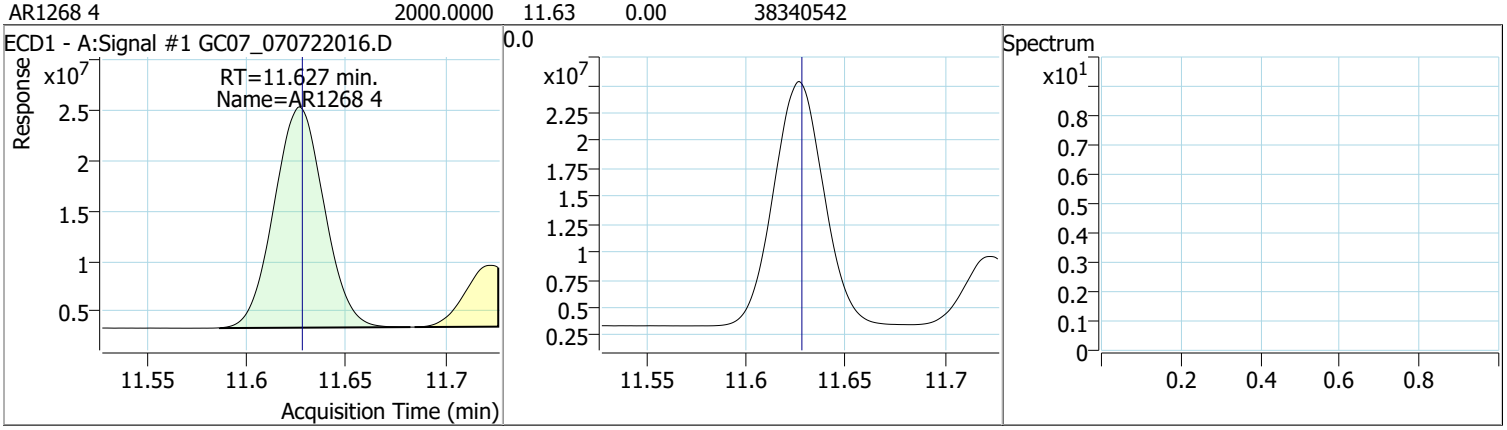
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3	2000.0000	11.35	0.00	48047947				



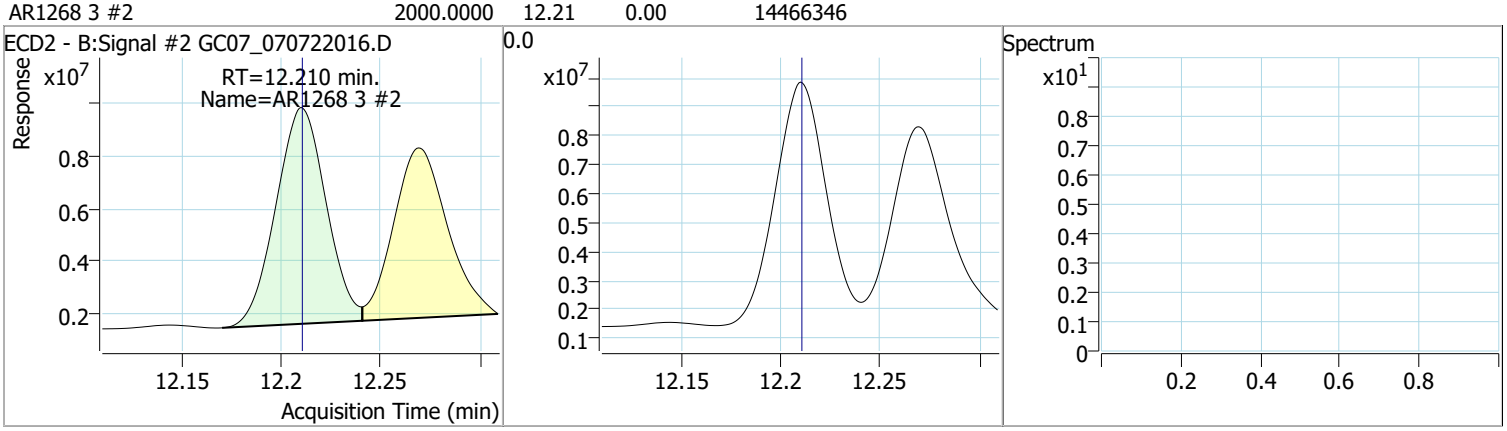
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2 #2	2000.0000	11.52	0.00	3753000				



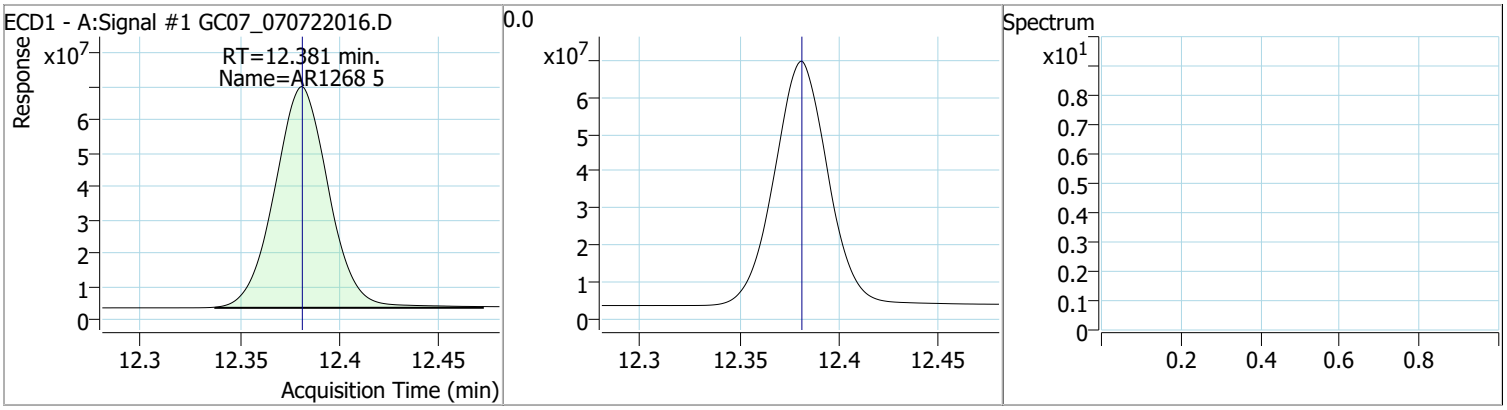
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4	2000.0000	11.63	0.00	38340542				



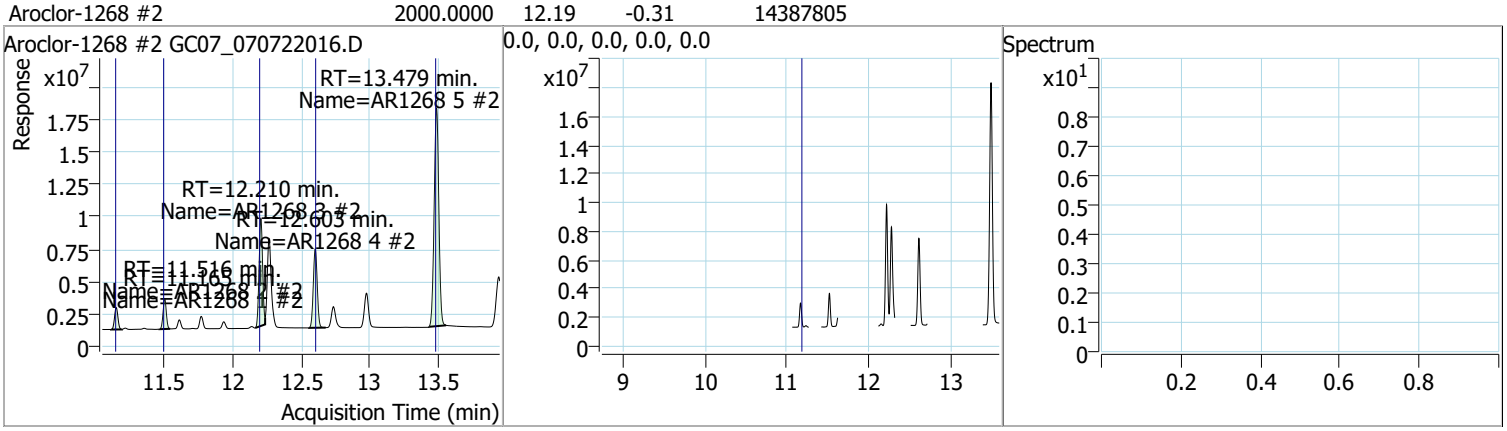
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3 #2	2000.0000	12.21	0.00	14466346				



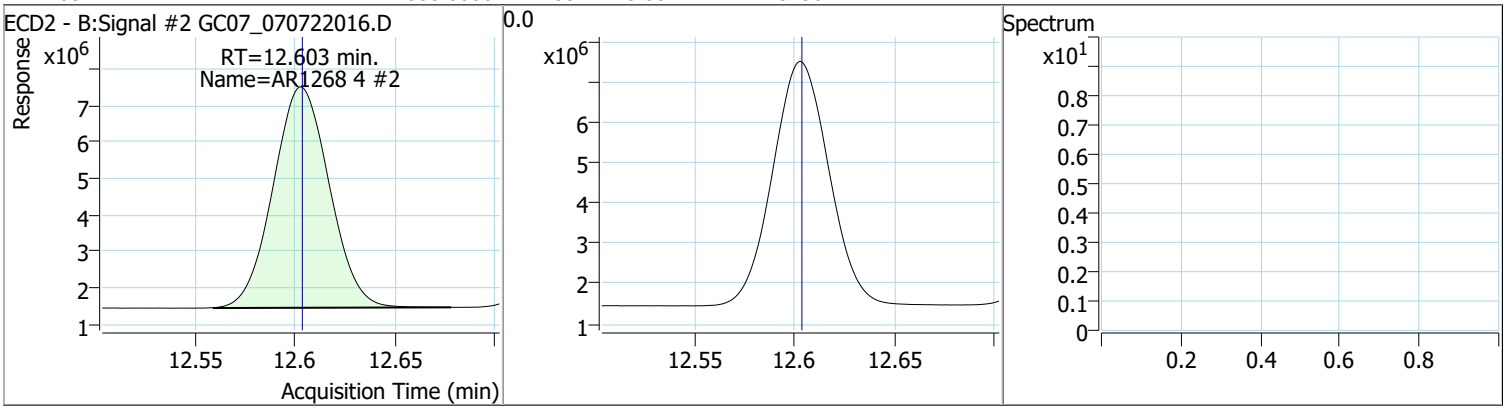
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5	2000.0000	12.38	0.00	125490885				



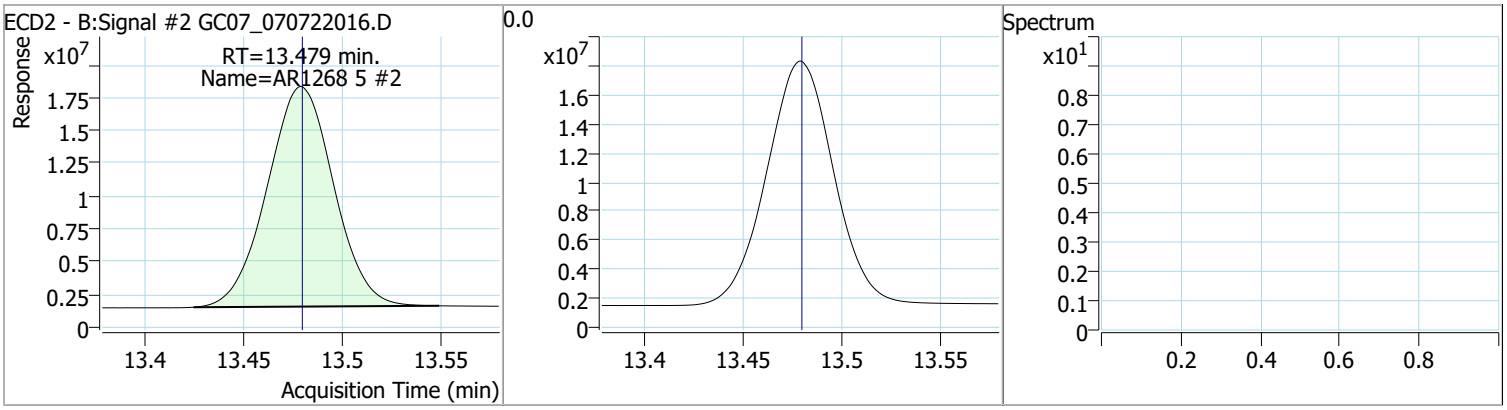
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268 #2	2000.0000	12.19	-0.31	14387805				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4 #2	2000.0000	12.60	0.00	11873627				

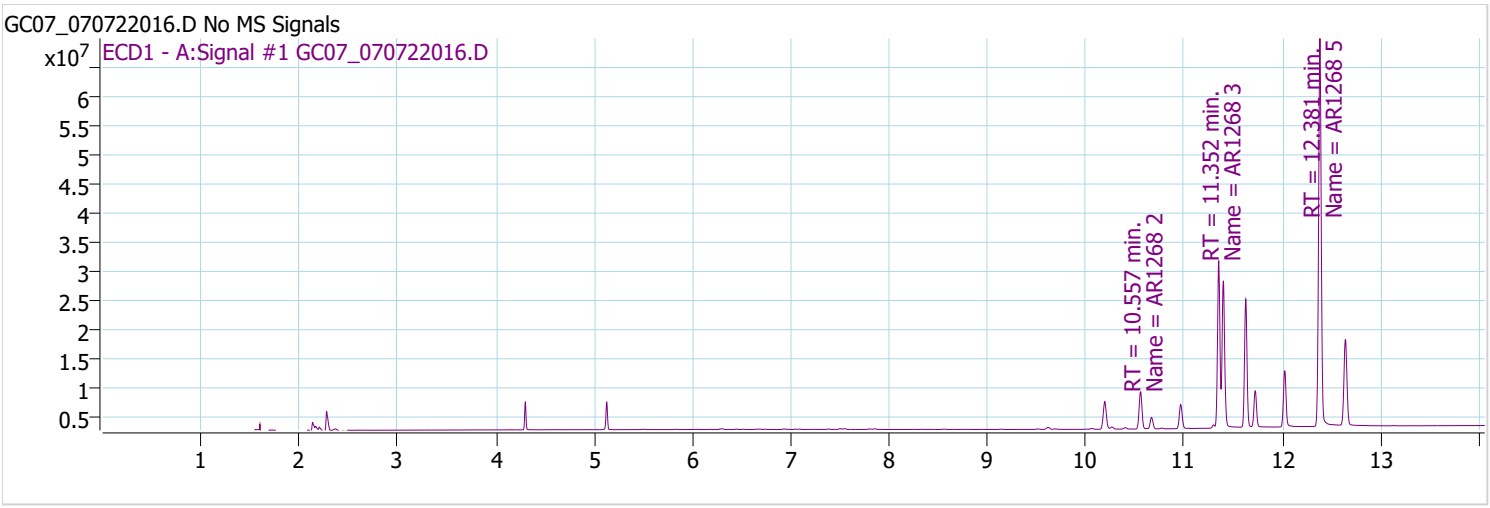


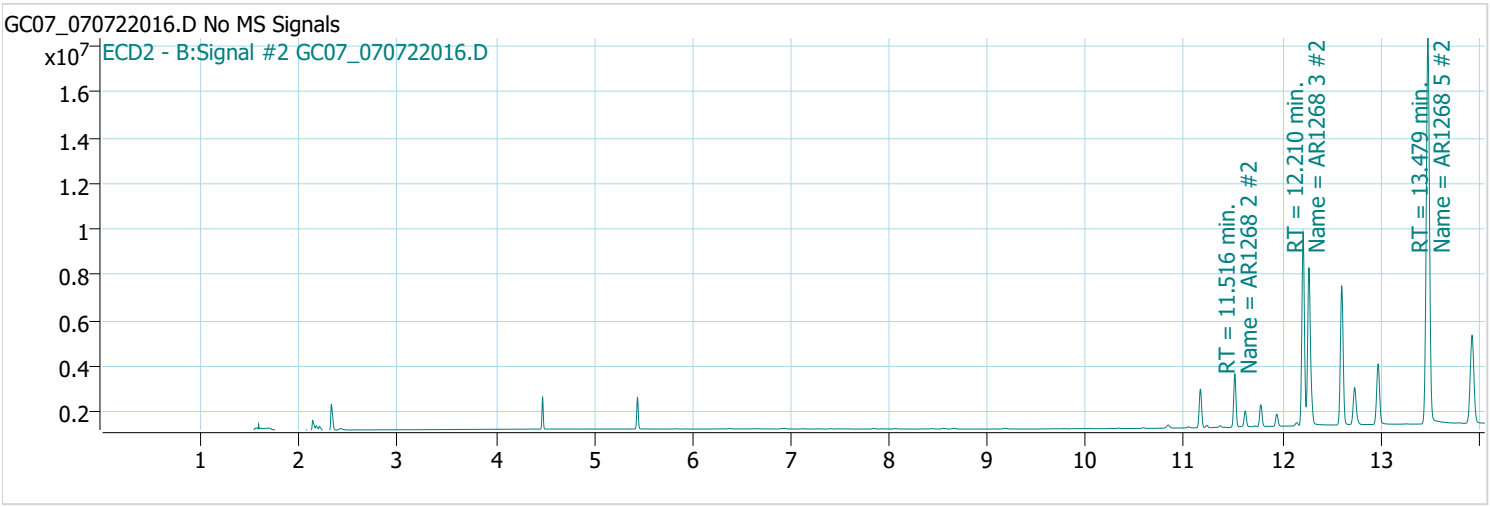
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5 #2	2000.0000	13.48	0.00	38970702				



Quantitation Results Report (Not Reviewed)

Data File	GC07_070722016.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/7/2022 3:50:00 PM
Sample Name	ICAL, S16847	Instrument	SVOA-GC07
Vial	150	Multiplier	1.00
DA Method File		Comment	AR1268 2000 PPB
Tune File	ATUNE.U	Tune Date	
Batch Name	070822AR1268.batch.bin	Last Calib Update	7/8/2022 6:49:36 PM
Ref Library			



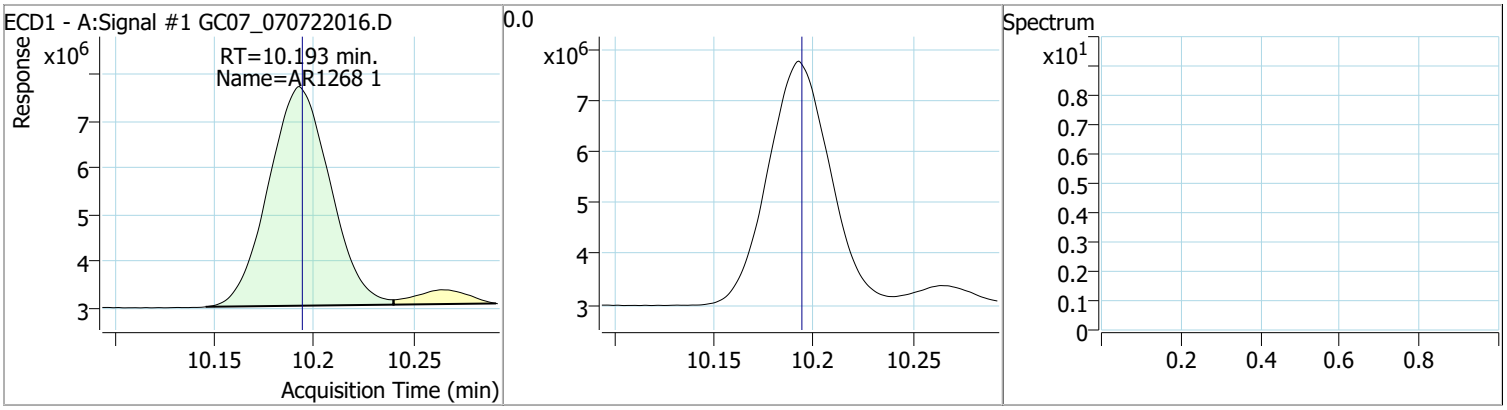


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (1268)	4.299	0.0	4484014.398	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (1268) #2	4.475	0.0	1258224.692	20.0000	ng/ml	0.000
System Monitoring Compounds						
Target Compounds						QValue
T AR1268 1	10.193	0.0	10190308.532	2000.0000	ng/ml	100
T AR1268 2	10.557	0.0	12968886.799	2000.0000	ng/ml	100
T Aroclor-1268	11.222	0.0	47007713.896	2000.0000	ng/ml	
T AR1268 1 #2	11.165	0.0	2875351.135	2000.0000	ng/ml	100
T AR1268 3	11.352	0.0	48047946.719	2000.0000	ng/ml	100
T AR1268 2 #2	11.516	0.0	3753000.456	2000.0000	ng/ml	100

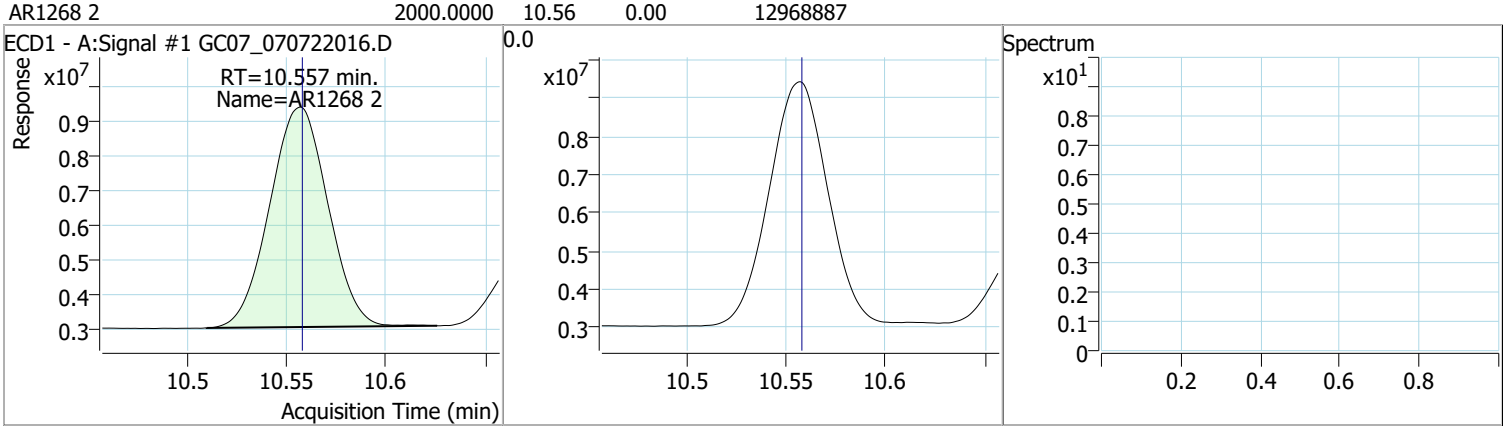
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1268 4	11.627	0.0	38340542.094	2000.0000	ng/ml	100
T AR1268 3 #2	12.210	0.0	14466345.922	2000.0000	ng/ml	100
T AR1268 5	12.381	0.0	125490885.335	2000.0000	ng/ml	100
T Aroclor-1268 #2	12.195	0.0	14387805.341	2000.0000	ng/ml	
T AR1268 4 #2	12.603	0.0	11873626.819	2000.0000	ng/ml	100
T AR1268 5 #2	13.479	0.0	38970702.374	2000.0000	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

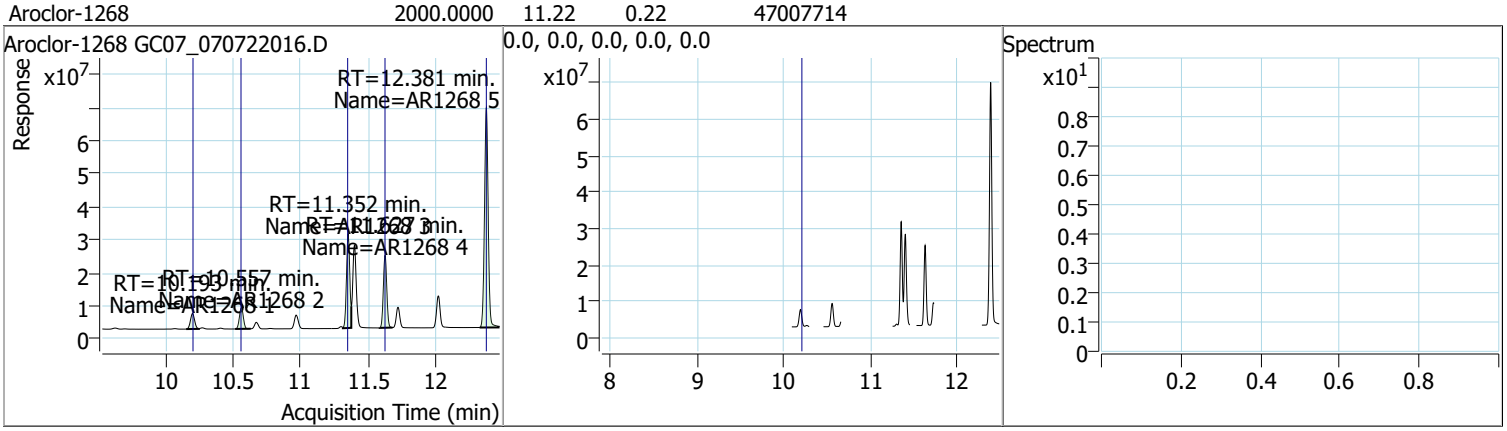
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1	2000.0000	10.19	0.00	10190309				



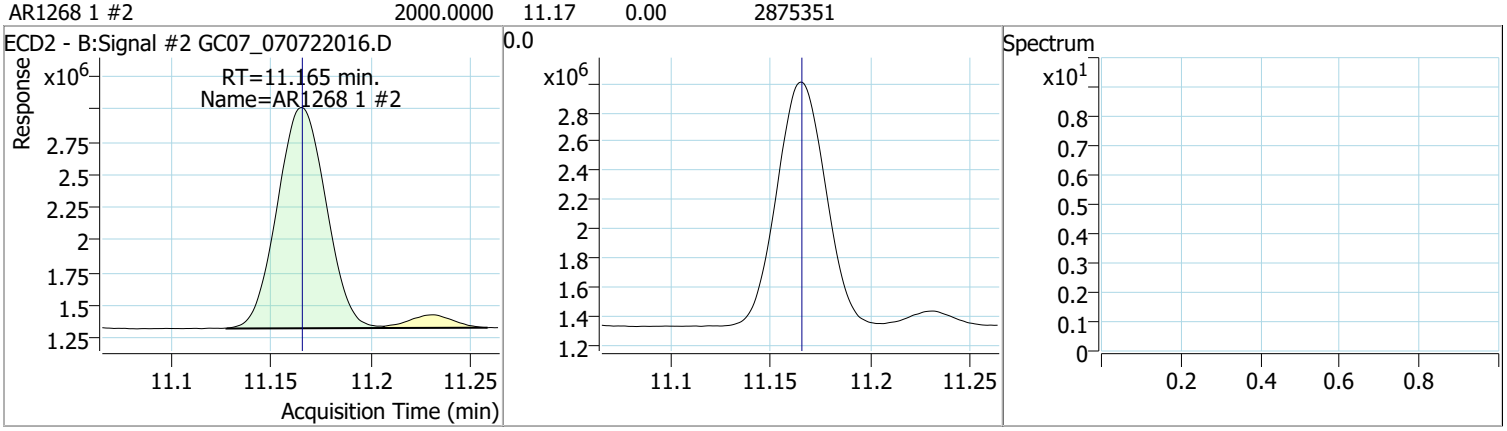
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2	2000.0000	10.56	0.00	12968887				



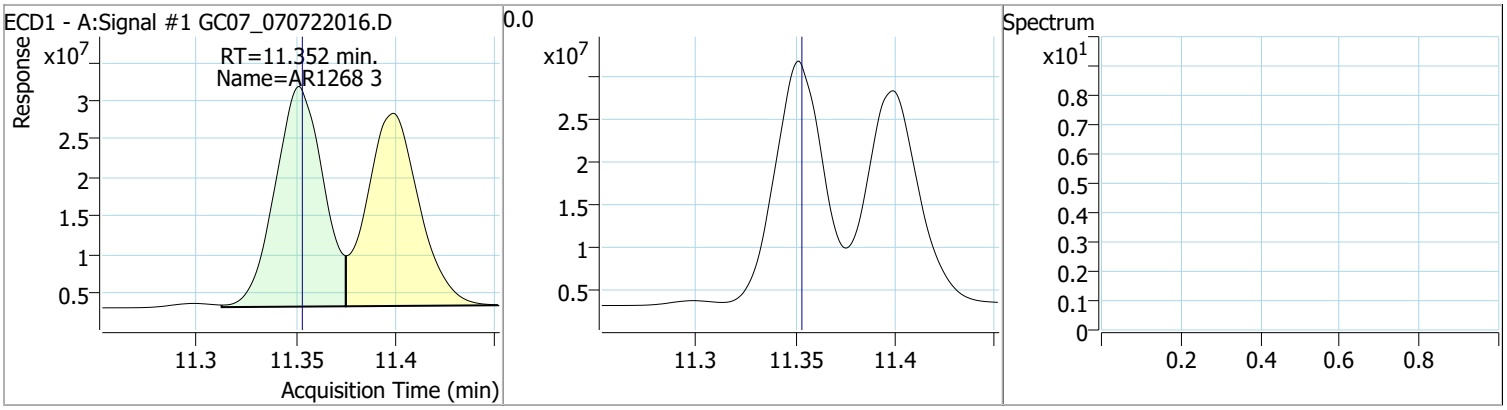
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268	2000.0000	11.22	0.22	47007714				



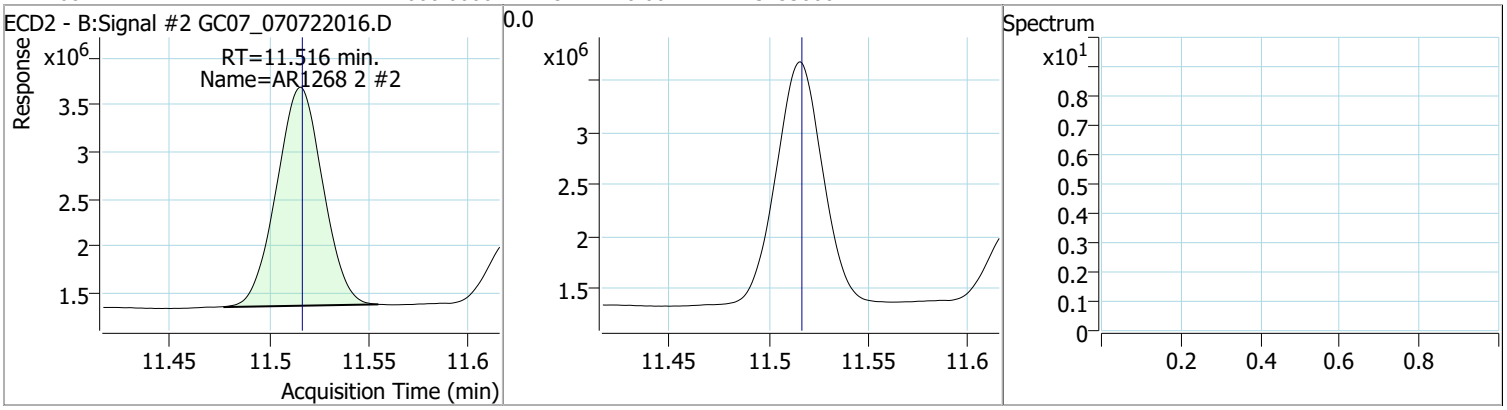
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1 #2	2000.0000	11.17	0.00	2875351				



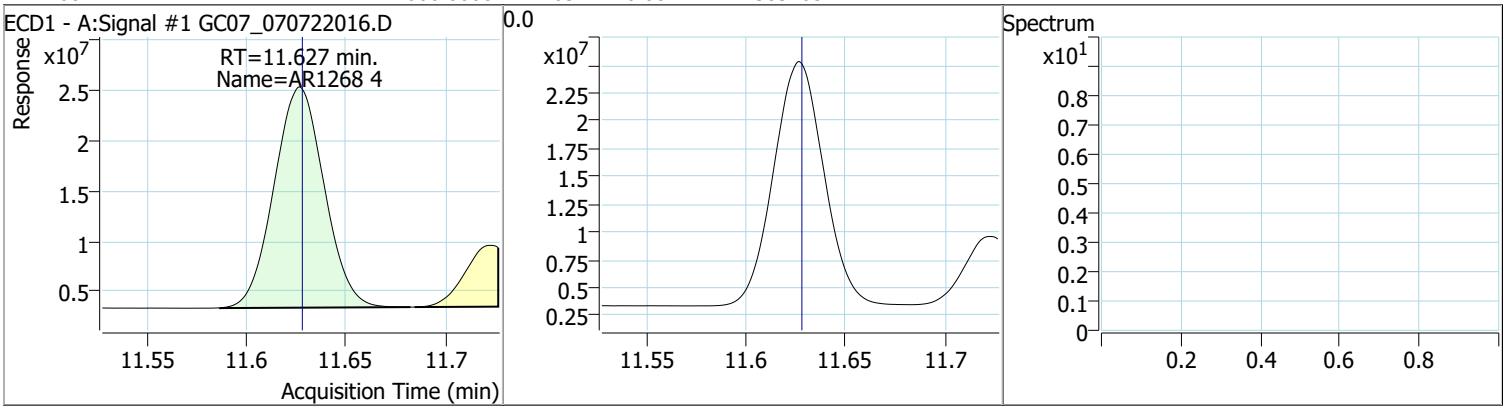
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3	2000.0000	11.35	0.00	48047947				



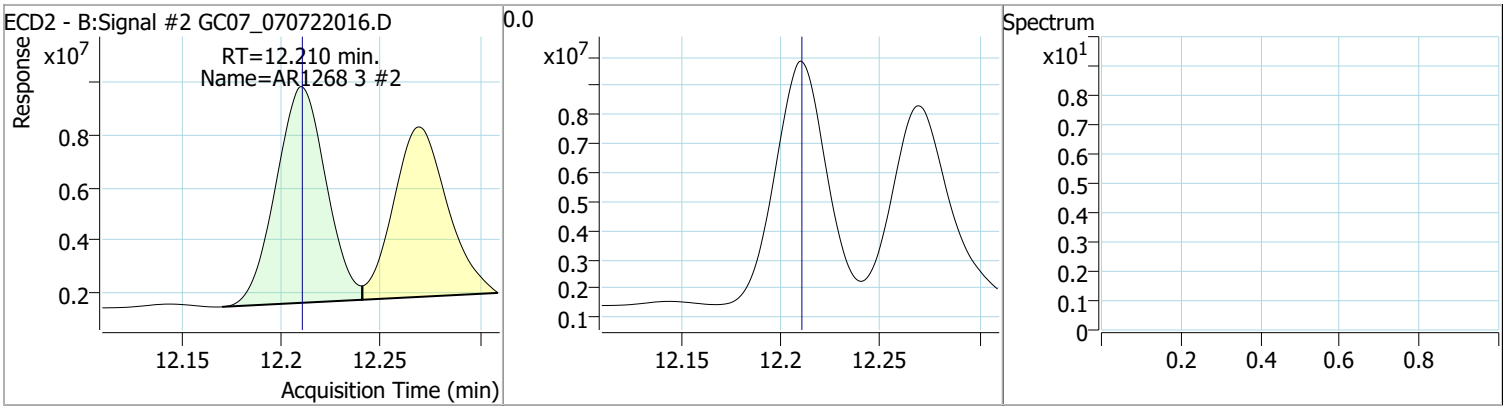
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2 #2	2000.0000	11.52	0.00	3753000				



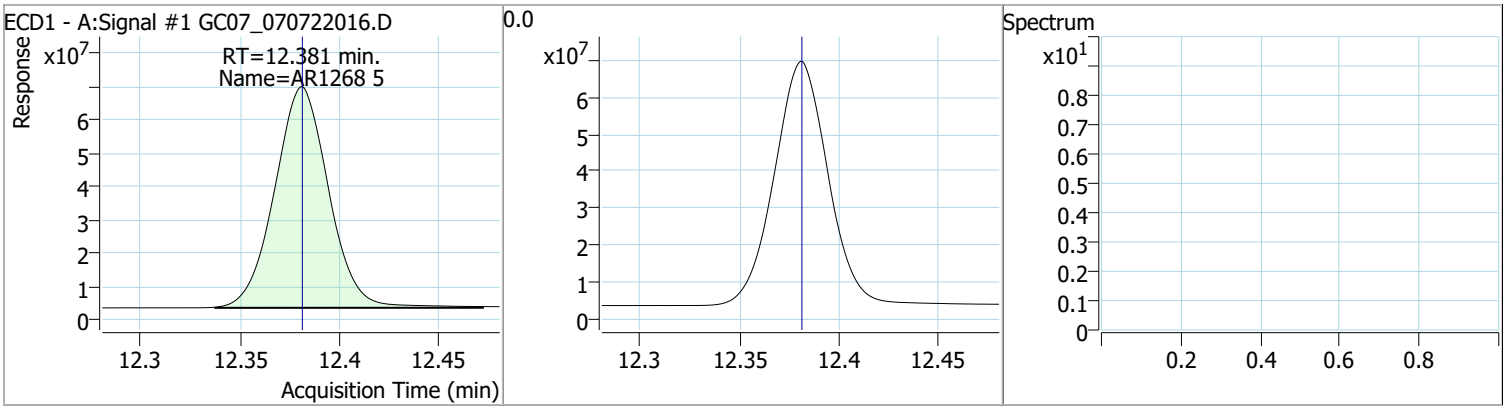
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4	2000.0000	11.63	0.00	38340542				



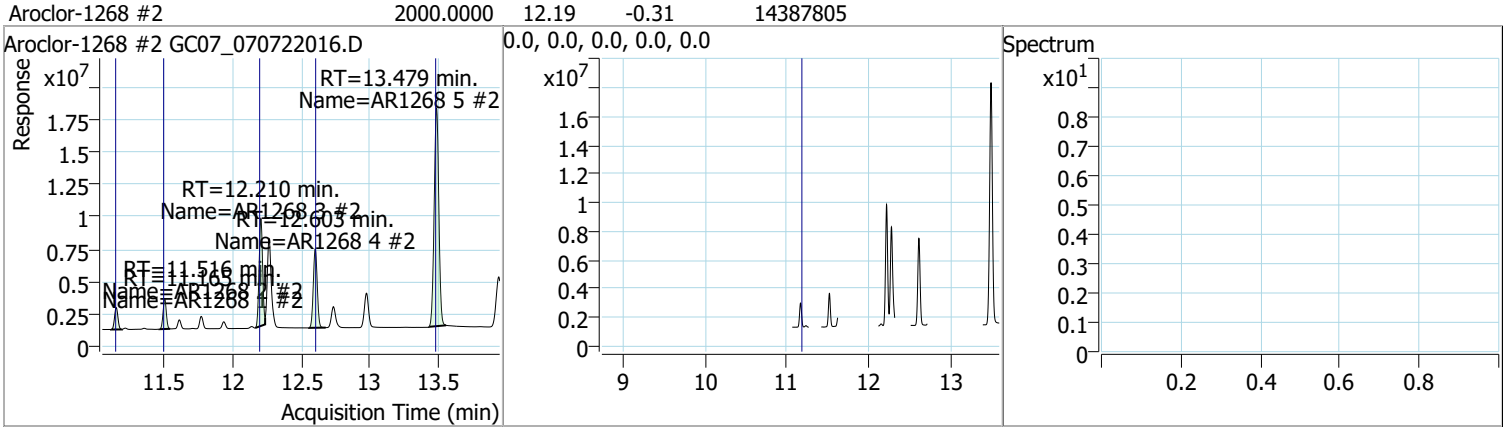
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3 #2	2000.0000	12.21	0.00	14466346				



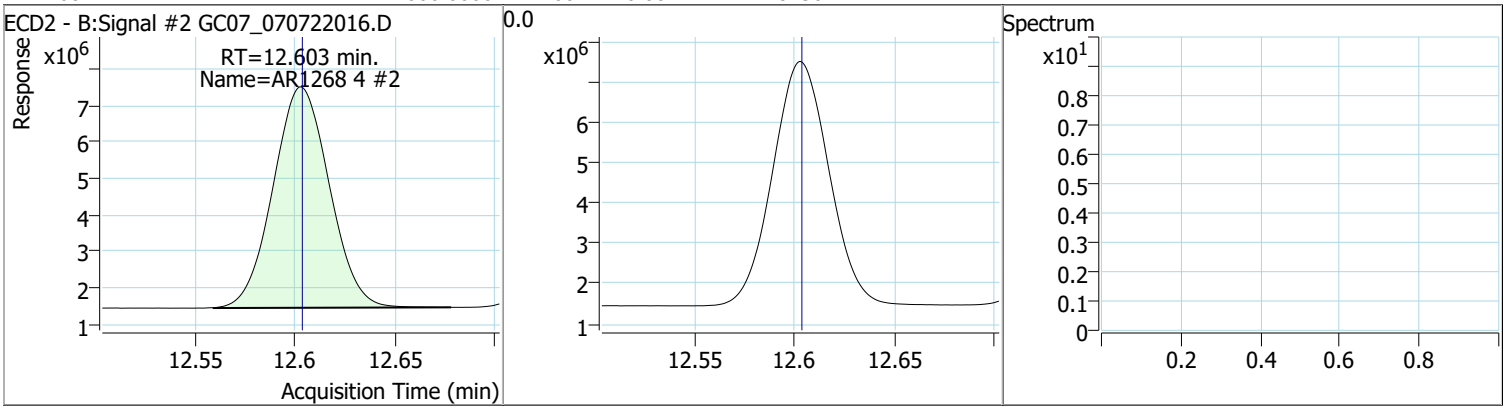
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5	2000.0000	12.38	0.00	125490885				



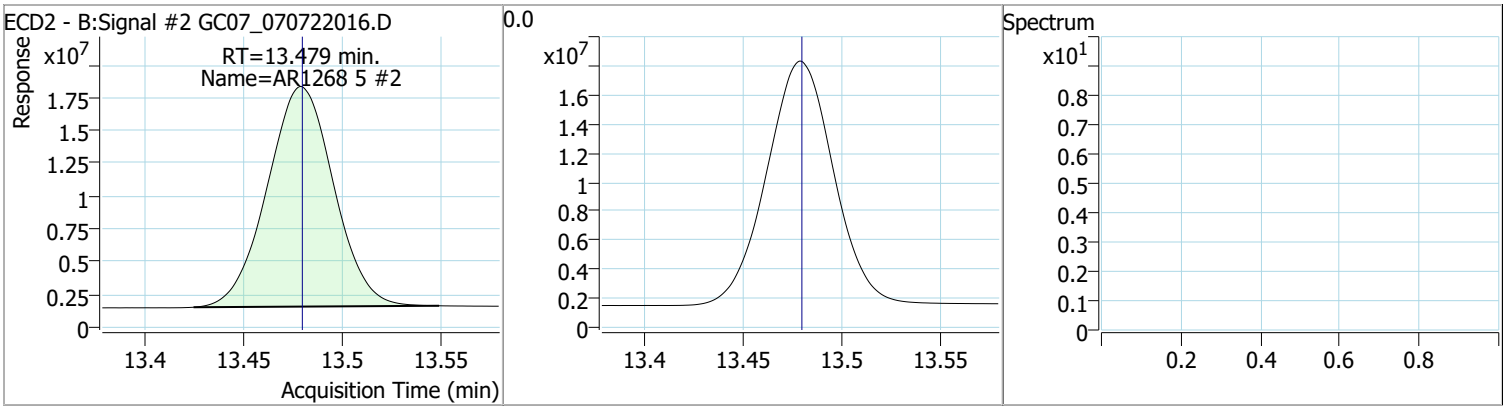
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268 #2	2000.0000	12.19	-0.31	14387805				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4 #2	2000.0000	12.60	0.00	11873627				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5 #2	2000.0000	13.48	0.00	38970702				



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 465031 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07			IDF:	1.0
Seqnum:	462271307011	File:	gc07_070722011	Time:	07-JUL-2022 14:28
Cal:	462252739001	Caldate:	25-JUN-2022		

Standards: S17006

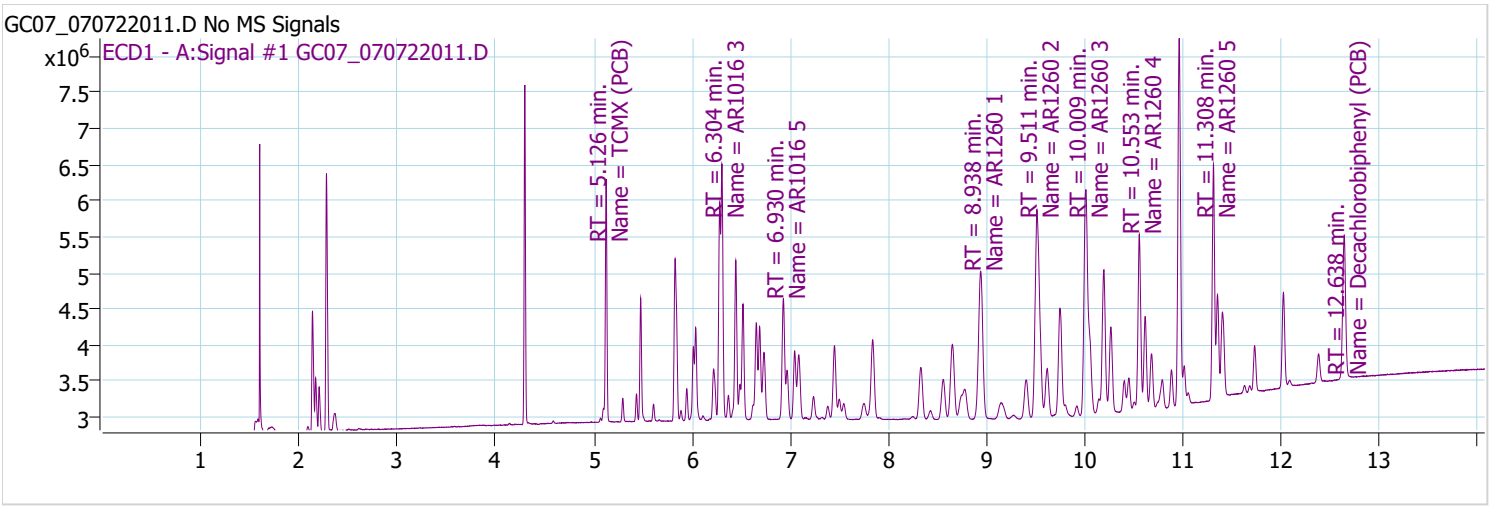
Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	469.5	ug/L	-6	15	0.0000	
Aroclor-1260	A			500.0	498.7	ug/L	0	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.1166	0.9660	20.00	17.30	pg/uL	-13	15	0.0000	
TCMX (PCB)	A	0.9428	0.8604	20.00	18.25	pg/uL	-9	15	0.0000	
Aroclor-1016	B			500.0	483.8	ug/L	-3	15	0.0000	
Aroclor-1260	B			500.0	489.8	ug/L	-2	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2309	1.0829	20.00	17.60	pg/uL	-12	15	0.0000	
TCMX (PCB)	B	0.9071	0.8428	20.00	18.58	pg/uL	-7	15	0.0000	

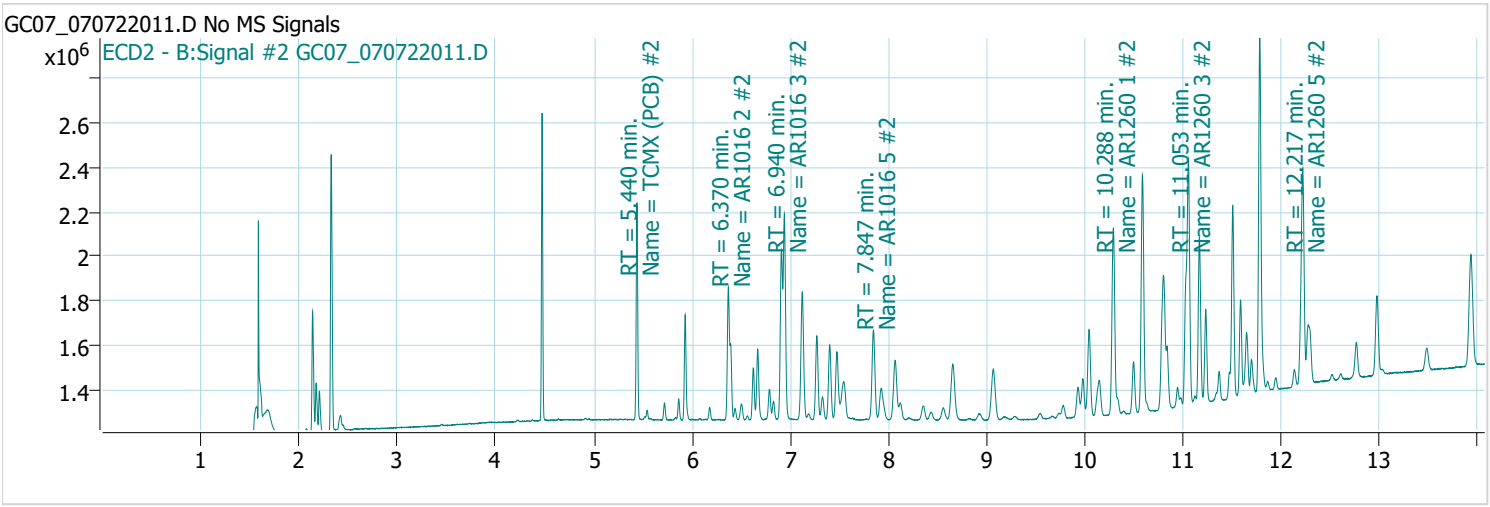
ISTD (ICAL gc07_062422023)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1166029	1232125	5.67
1-bromo-2-nitrobenzene (PCB)	A	4421081	4377739	-0.98

Analyst: TRN 07/08/22 **Reviewer:** LW 07/08/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_070722011.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/7/2022 2:28:55 PM
Sample Name	CCV, S17006	Instrument	SVOA-GC07
Vial	144	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_6.m	Comment	500 PPB PCB
Tune File	ATUNE.U	Tune Date	
Batch Name	070722PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



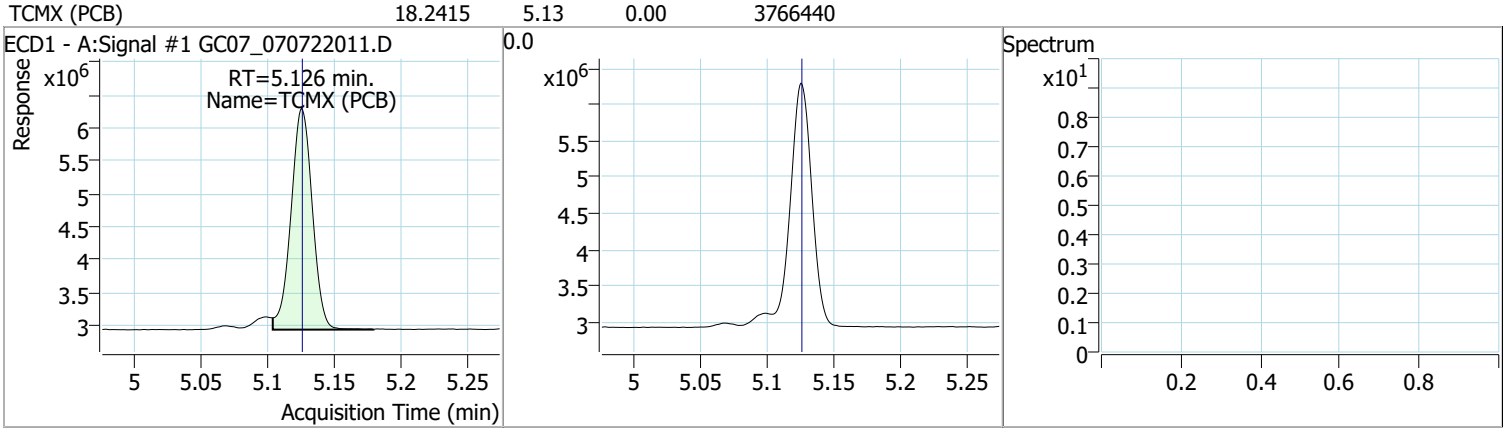


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.299	0.0	4377738.525	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.474	0.0	1232124.697	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.126	0.0	3766439.648	18.2415	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 91.21%		
S TCMX (PCB) #2	5.440	0.0	1038375.355	18.5699	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 92.85%		
S Decachlorobiphenyl (PCB)	12.638	0.0	4228715.039	17.2921	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 86.46%		
S Decachlorobiphenyl (PCB) #2	13.929	0.0	1334302.808	17.5866	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 87.93%		
Target Compounds						QValue

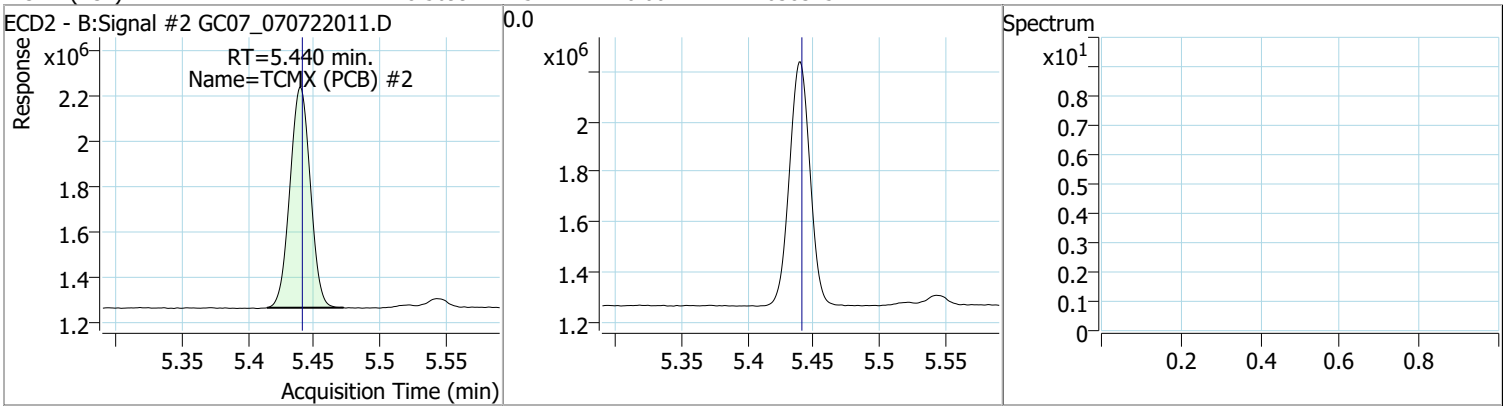
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.478	0.0	2075316.390	494.1416	ng/ml	100
T AR1016 2	5.828	0.0	4148619.200	455.7710	ng/ml	100
T AR1016 1 #2	5.931	0.0	593249.083	478.1140	ng/ml	100
T AR1016 3	6.304	0.0	4986724.797	473.1023	ng/ml	100
T AR1016 2 #2	6.370	0.0	1258987.189	465.9621	ng/ml	100
T AR1016 4	6.446	0.0	3342189.061	440.9352	ng/ml	100
T AR1016 5	6.930	0.0	3045566.047	482.3747	ng/ml	100
T AR1016 3 #2	6.940	0.0	1526061.992	492.3922	ng/ml	100
T AR1016 4 #2	7.123	0.0	1100134.017	511.4435	ng/ml	100
T AR1016 5 #2	7.847	0.0	843942.472	469.6784	ng/ml	100
T AR1260 1	8.938	0.0	6157359.619	461.8149	ng/ml	100
T AR1260 2	9.511	0.0	9150556.707	478.0956	ng/ml	100
T AR1260 3	10.009	0.0	9930123.124	511.9770	ng/ml	100
T AR1260 1 #2	10.288	0.0	1788222.635	458.2639	ng/ml	100
T AR1260 4	10.553	0.0	4423956.562	446.1786	ng/ml	100
T AR1260 2 #2	10.584	0.0	2042818.259	471.2017	ng/ml	100
T AR1260 3 #2	11.053	0.0	2698569.335	505.7132	ng/ml	100
T AR1260 5	11.308	0.0	5408793.303	594.1737	ng/ml	100
T AR1260 4 #2	11.504	0.0	1551823.910	518.3264	ng/ml	100
T AR1260 5 #2	12.217	0.0	2126723.450	494.3167	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

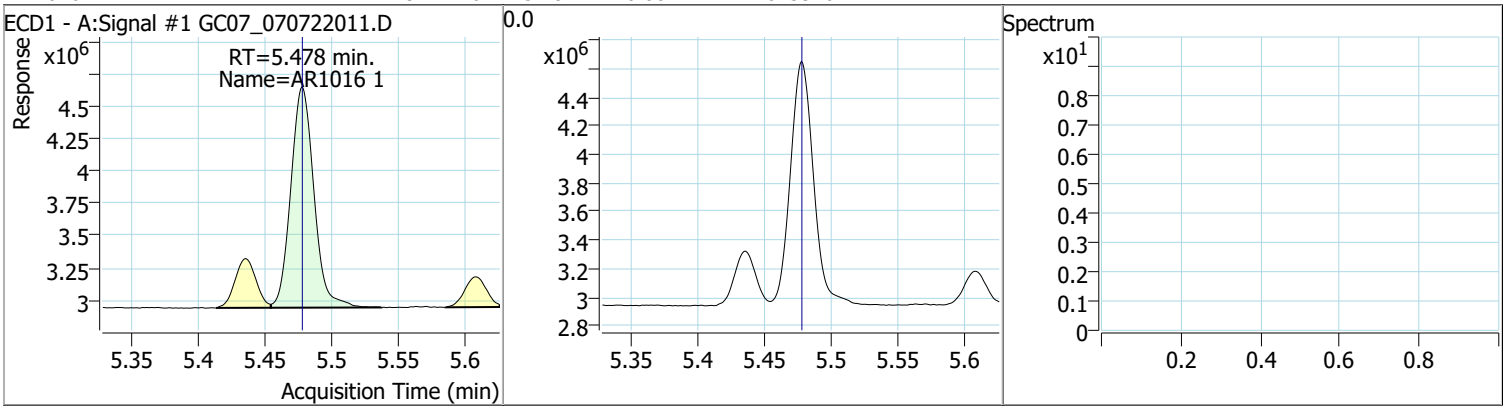
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	18.2415	5.13	0.00	3766440				



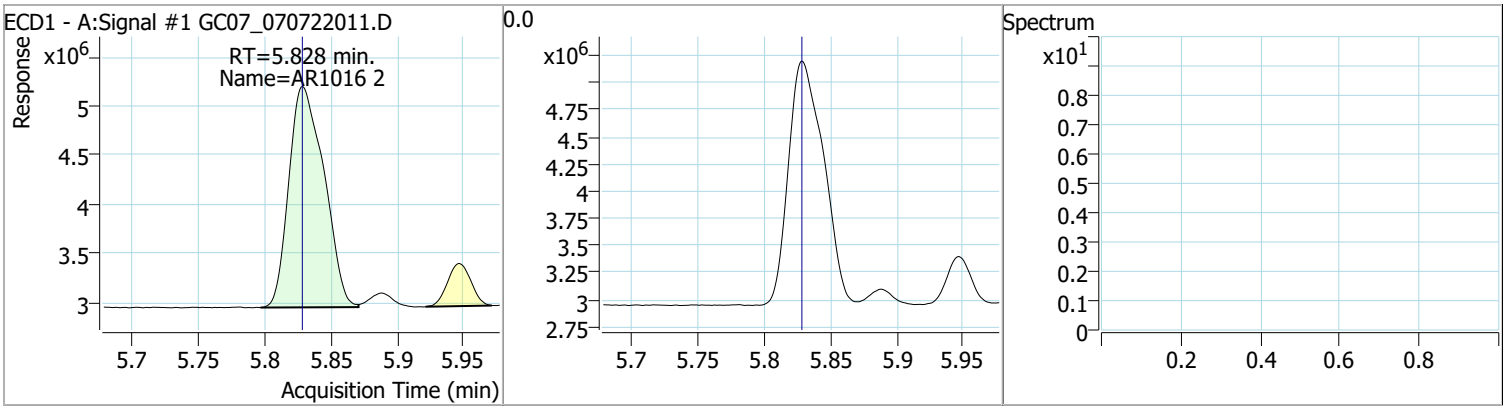
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	18.5699	5.44	0.00	1038375				



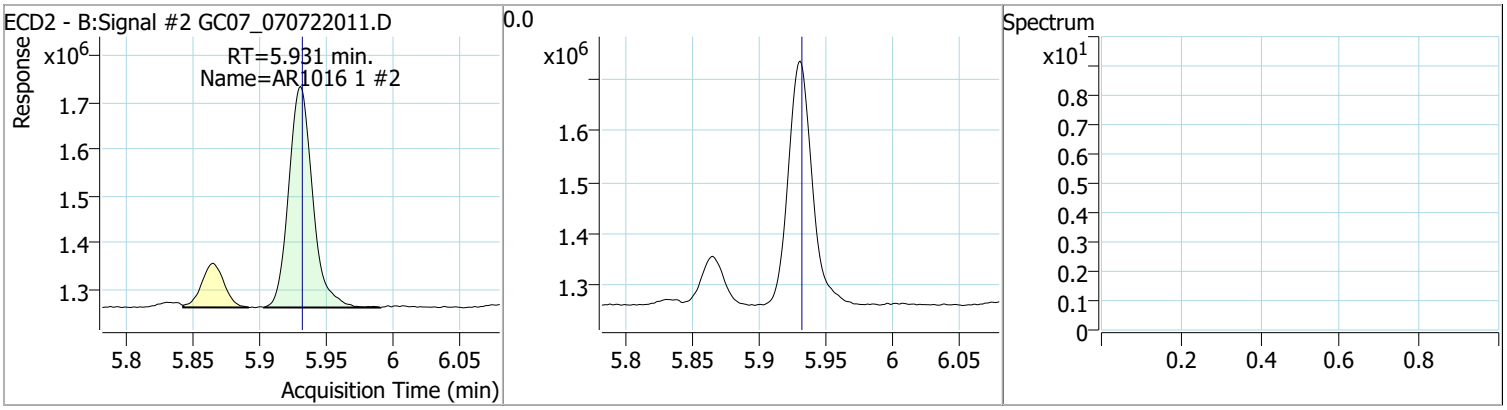
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	494.1416	5.48	0.00	2075316				



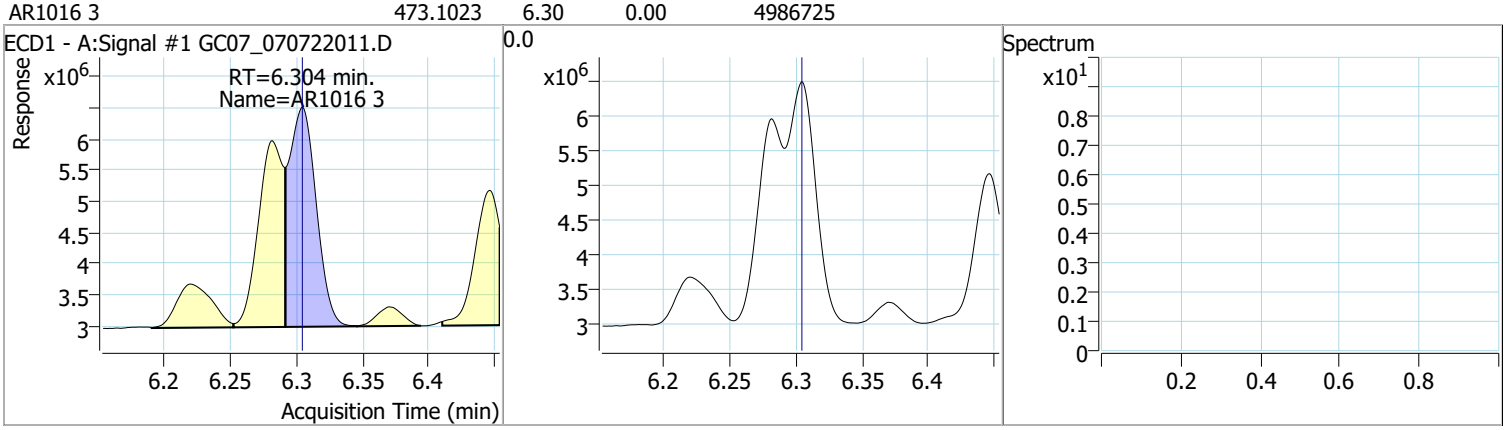
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	455.7710	5.83	0.00	4148619				



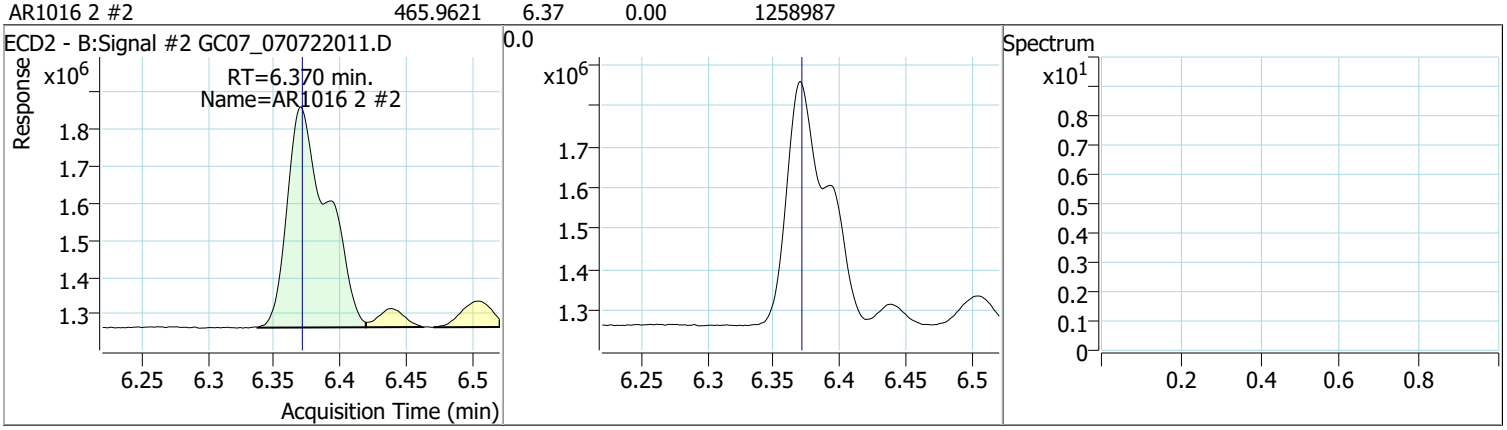
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	478.1140	5.93	0.00	593249				



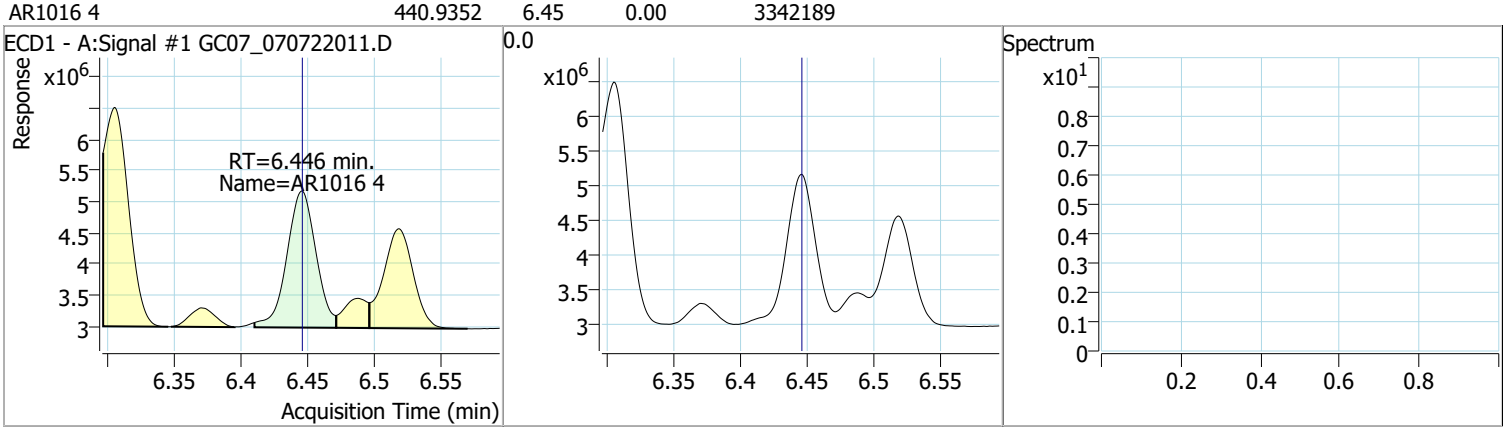
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	473.1023	6.30	0.00	4986725				



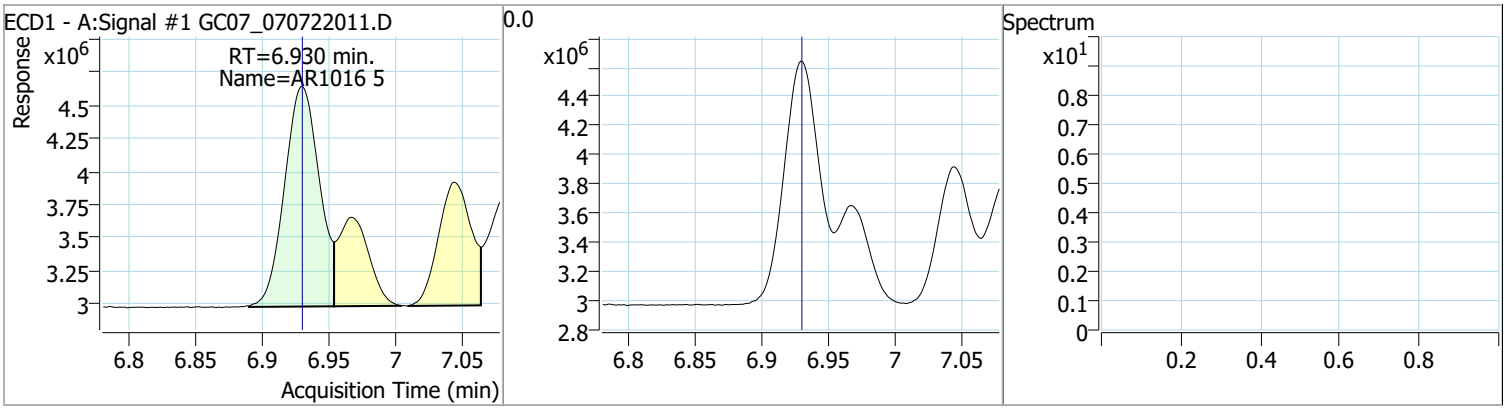
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	465.9621	6.37	0.00	1258987				



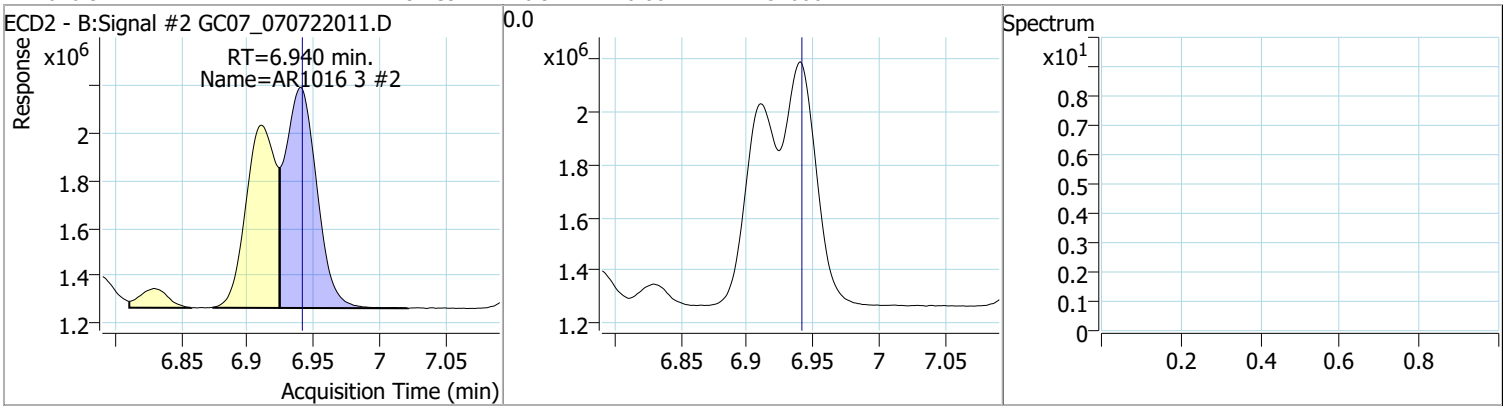
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	440.9352	6.45	0.00	3342189				



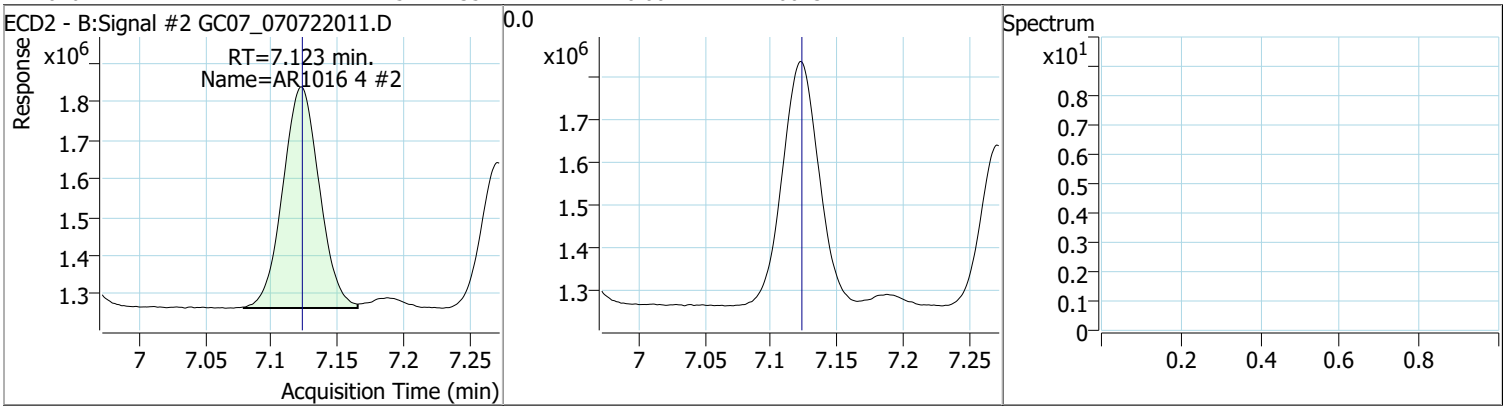
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	482.3747	6.93	0.00	3045566				



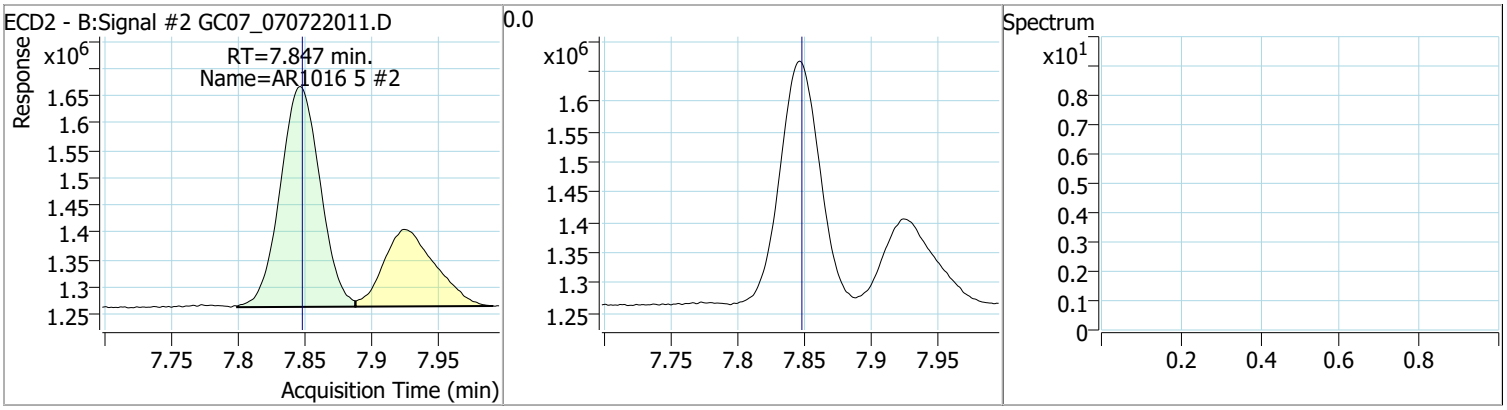
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	492.3922	6.94	0.00	1526062				



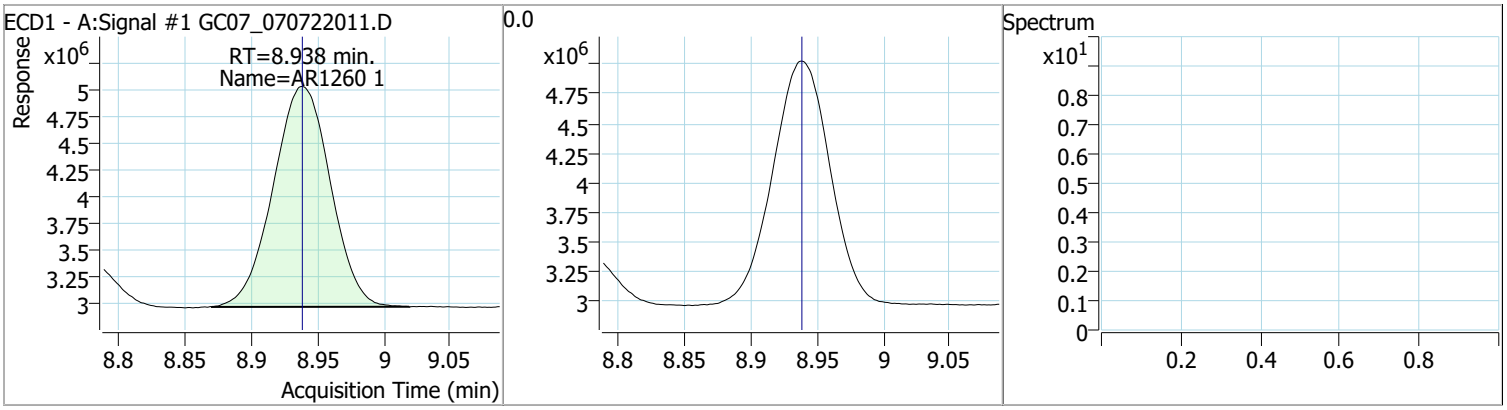
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	511.4435	7.12	0.00	1100134				



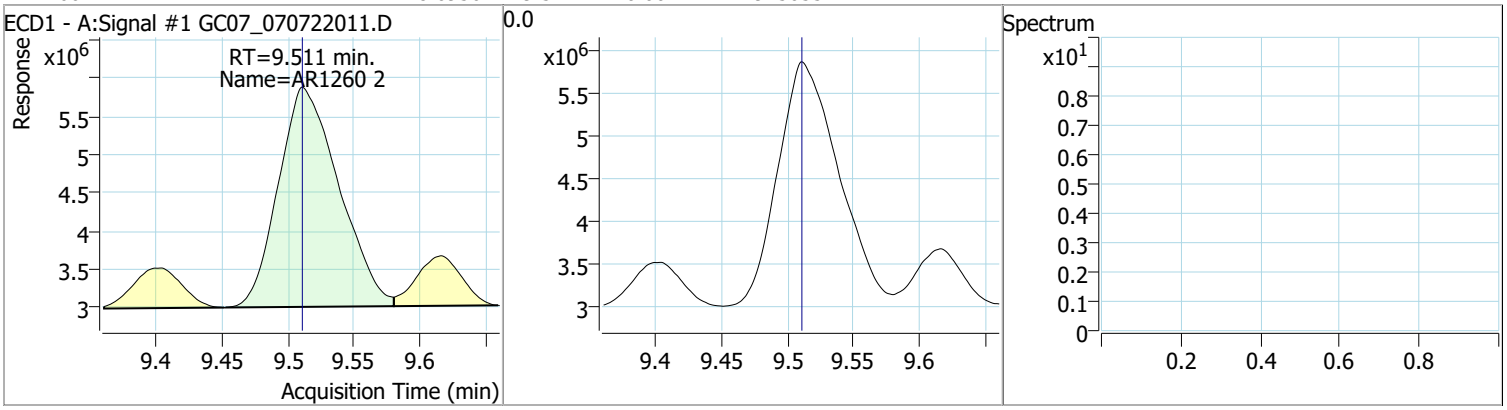
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	469.6784	7.85	0.00	843942				



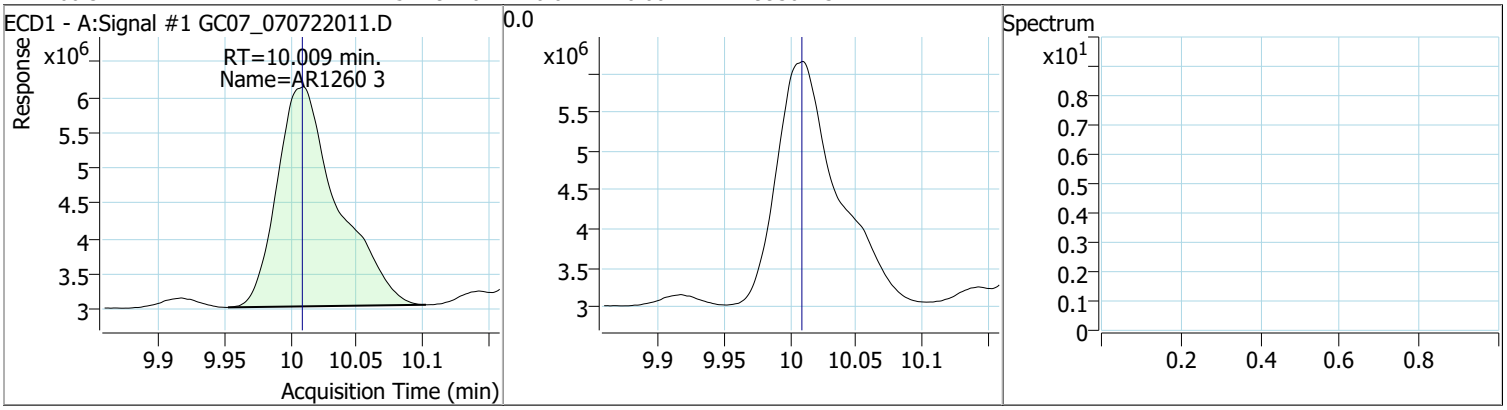
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	461.8149	8.94	0.00	6157360				



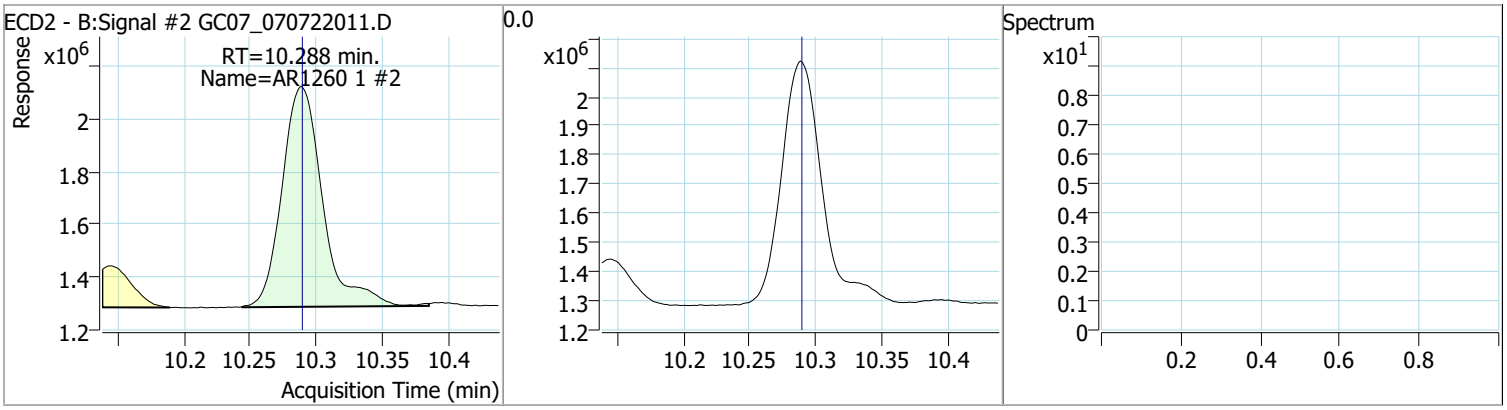
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	478.0956	9.51	0.00	9150557				



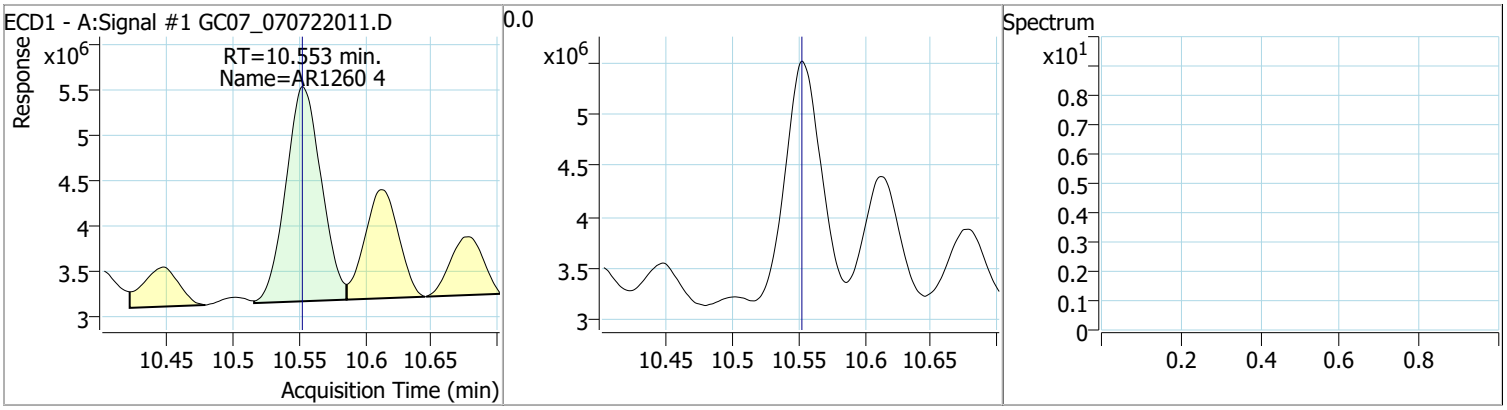
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	511.9770	10.01	0.00	9930123				



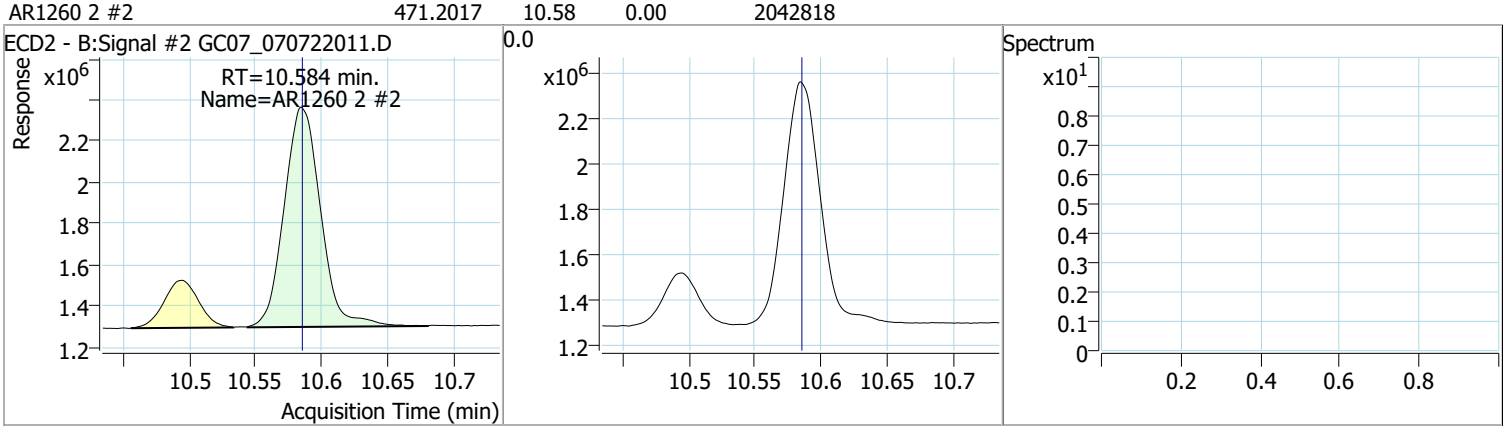
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	458.2639	10.29	0.00	1788223				



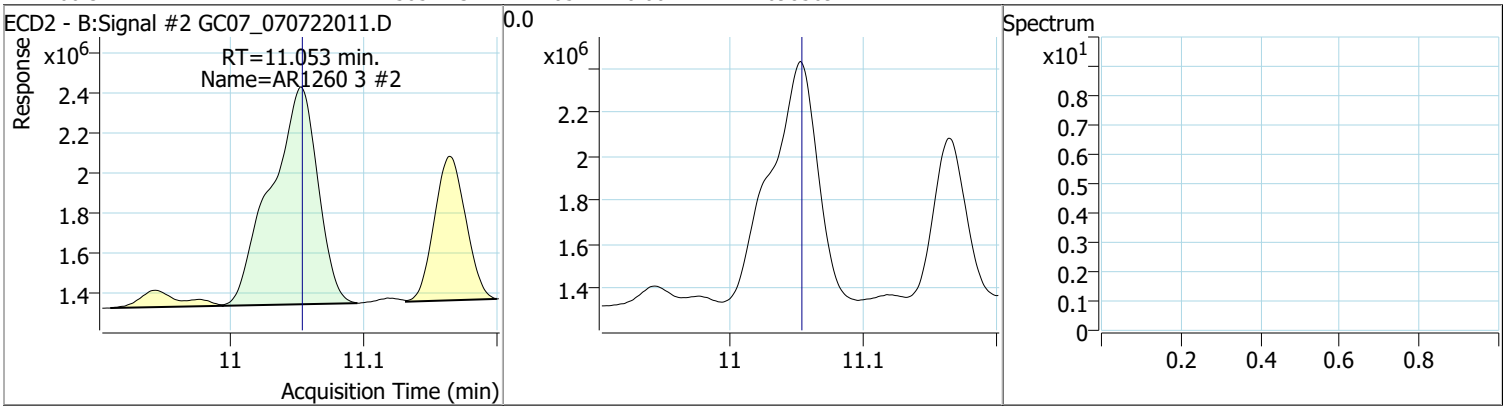
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	446.1786	10.55	0.00	4423957				



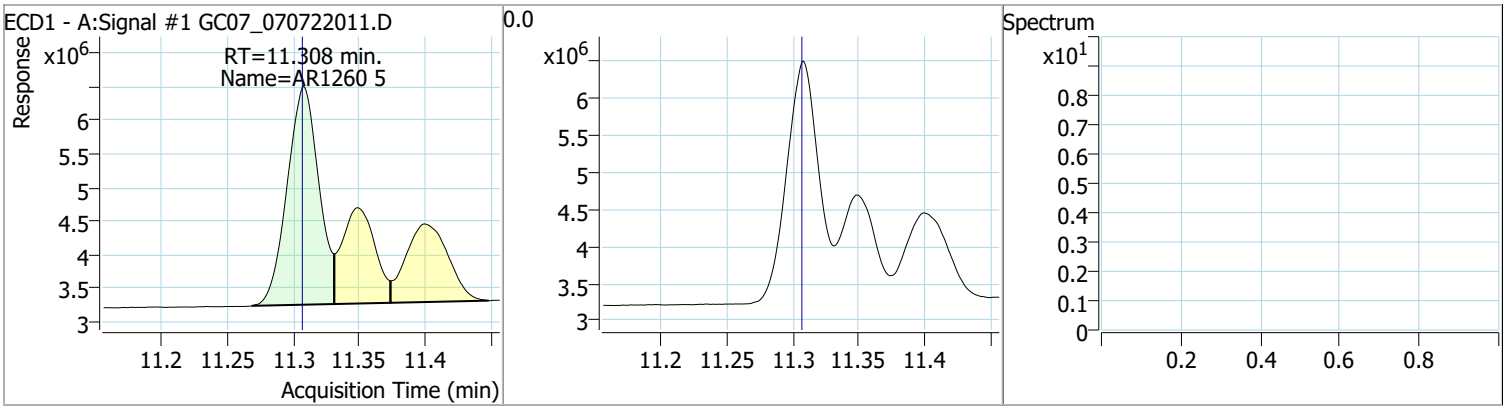
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	471.2017	10.58	0.00	2042818				



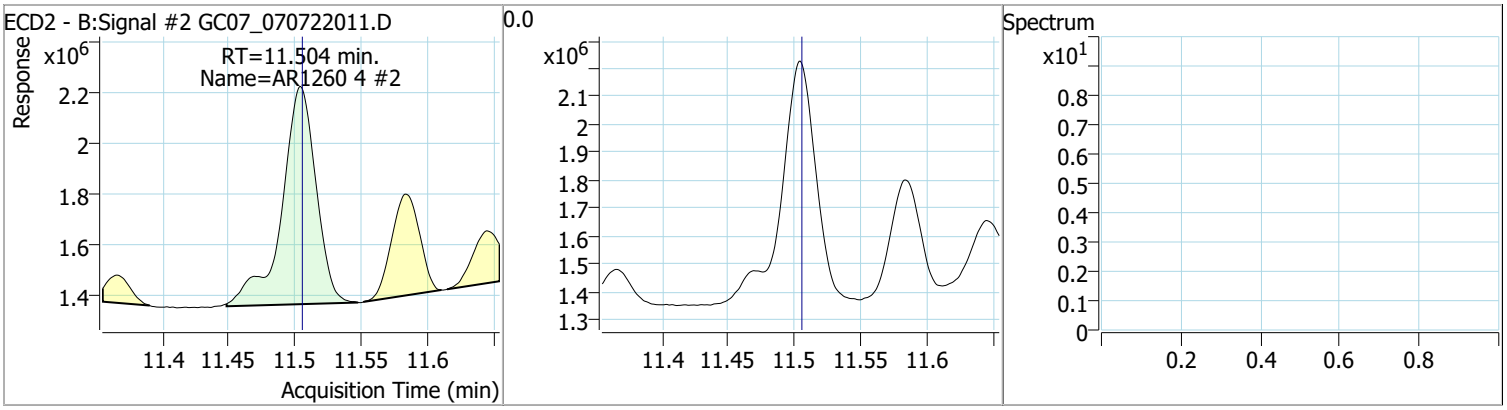
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	505.7132	11.05	0.00	2698569				



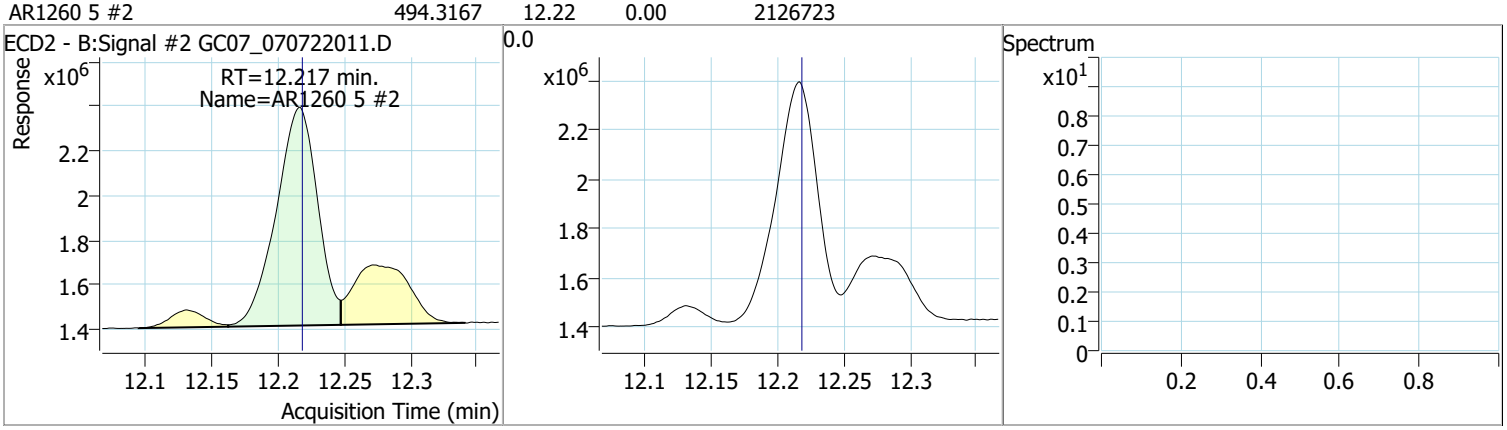
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	594.1737	11.31	0.00	5408793				



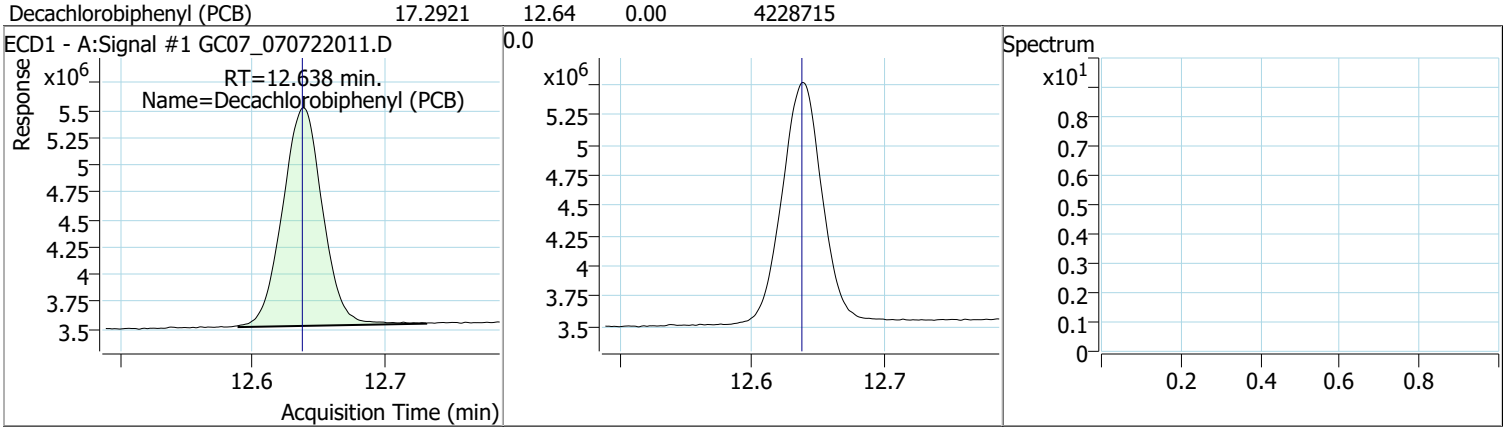
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	518.3264	11.50	0.00	1551824				



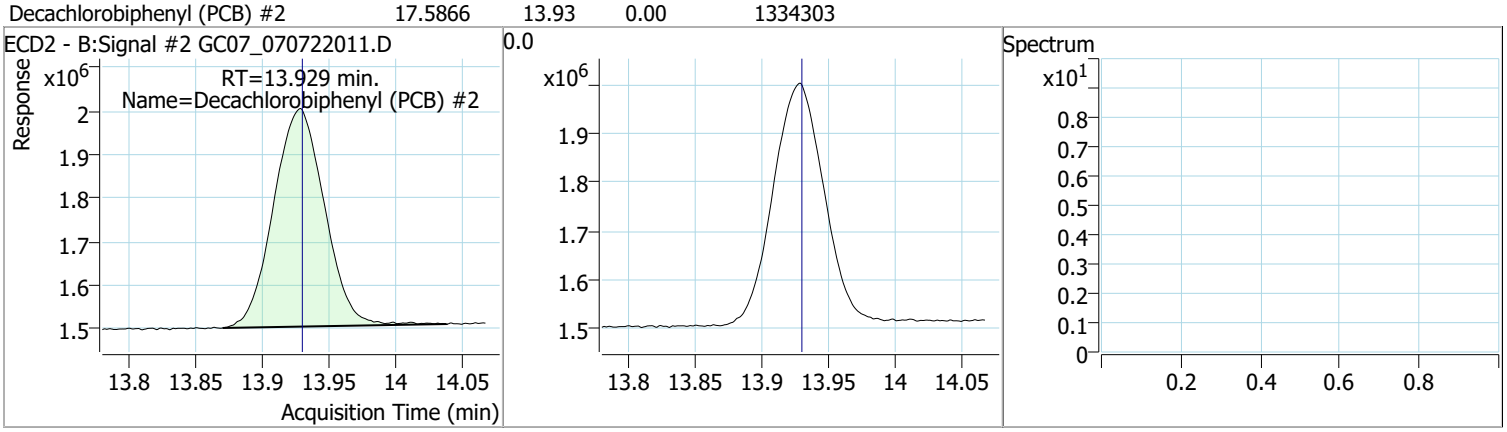
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	494.3167	12.22	0.00	2126723				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	17.2921	12.64	0.00	4228715				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	17.5866	13.93	0.00	1334303				



ENTHALPY CONTINUING CALIBRATION FOR 465031 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07			IDF:	1.0
Seqnum:	462273158004	File:	gc07_070822004	Time:	08-JUL-2022 17:14
Cal:	462252739001	Caldate:	25-JUN-2022		

Standards: S17006

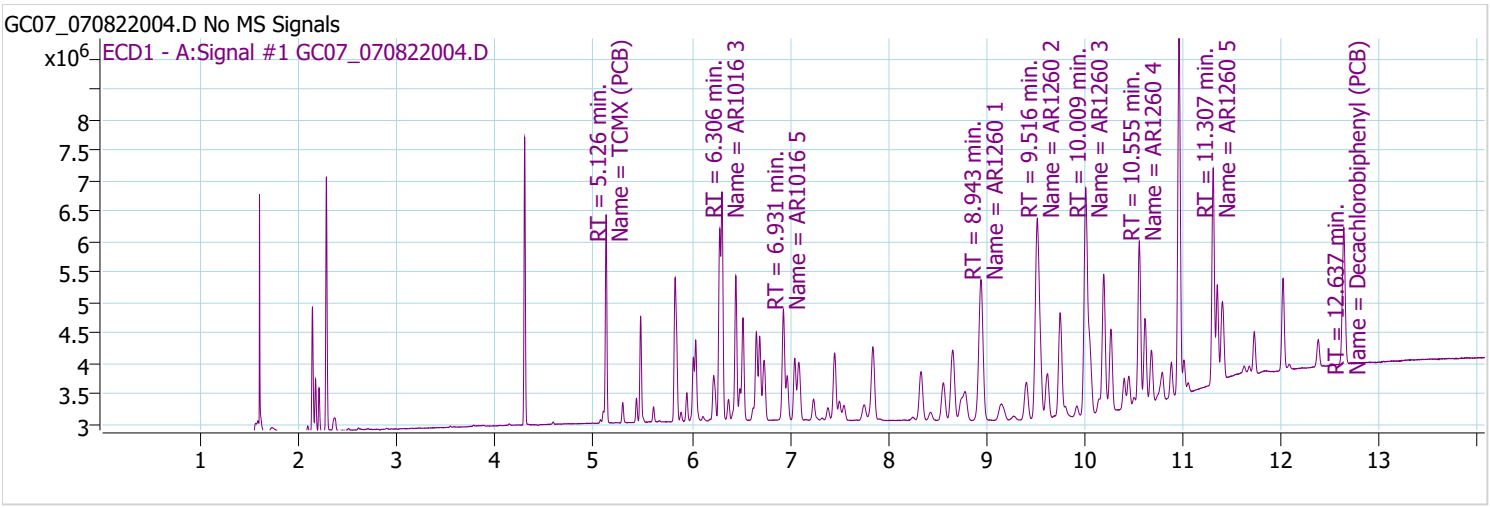
Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	499.2	ug/L	0	15	0.0000	
Aroclor-1260	A			500.0	566.2	ug/L	13	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.1166	1.0610	20.00	19.00	pg/uL	-5	15	0.0000	
TCMX (PCB)	A	0.9428	0.8693	20.00	18.44	pg/uL	-8	15	0.0000	
Aroclor-1016	B			500.0	508.3	ug/L	2	15	0.0000	
Aroclor-1260	B			500.0	545.9	ug/L	9	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2309	1.2096	20.00	19.65	pg/uL	-2	15	0.0000	
TCMX (PCB)	B	0.9071	0.8480	20.00	18.70	pg/uL	-7	15	0.0000	

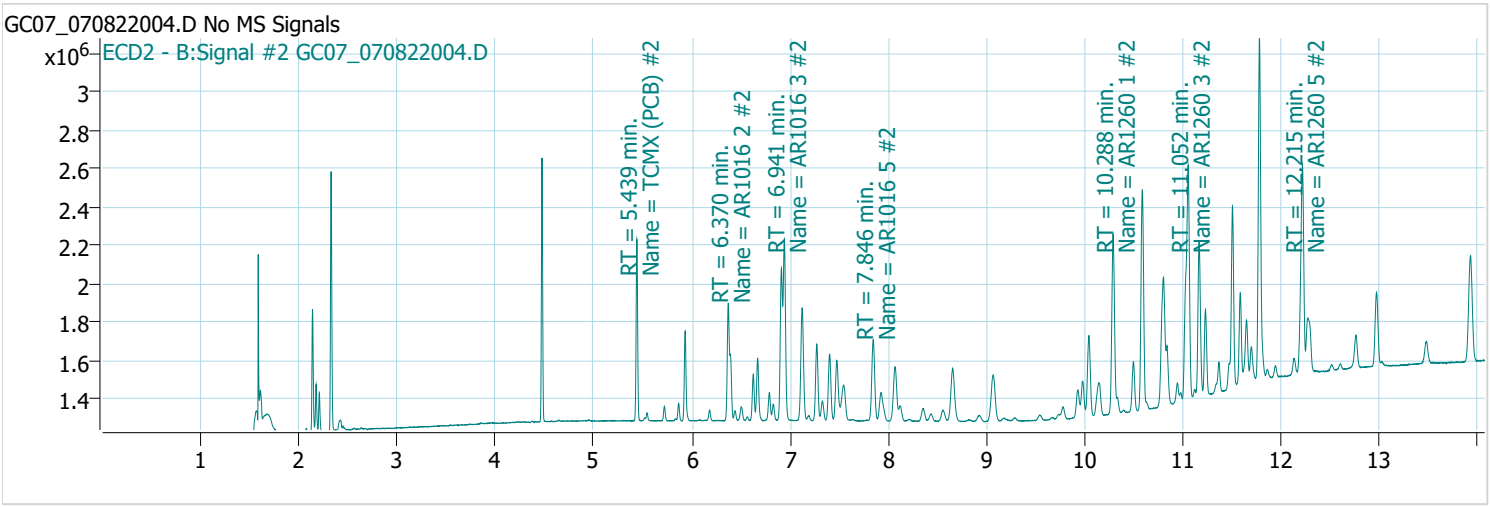
ISTD (ICAL gc07_062422023)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1166029	1196701	2.63
1-bromo-2-nitrobenzene (PCB)	A	4421081	4359760	-1.39

Analyst: TRN 07/08/22 **Reviewer:** LW 07/08/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_070822004.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/8/2022 5:14:14 PM
Sample Name	CCV, S17006	Instrument	SVOA-GC07
Vial	144	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_6.m	Comment	500 PPB PCB
Tune File	ATUNE.U	Tune Date	
Batch Name	070822PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



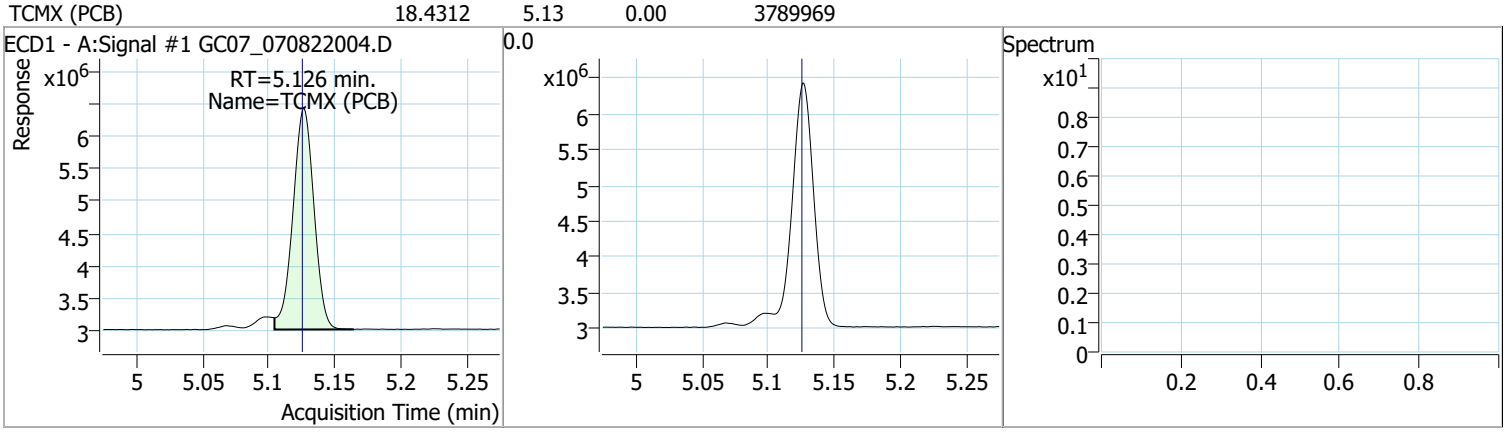


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.298	0.0	4359760.025	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.473	0.0	1196700.796	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.126	0.0	3789968.564	18.4312	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 92.16%		
S TCMX (PCB) #2	5.439	0.0	1014851.340	18.6864	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 93.43%		
S Decachlorobiphenyl (PCB)	12.637	0.0	4625572.798	18.9930	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 94.96%		
S Decachlorobiphenyl (PCB) #2	13.927	0.0	1447503.713	19.6434	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 98.22%		
Target Compounds						QValue

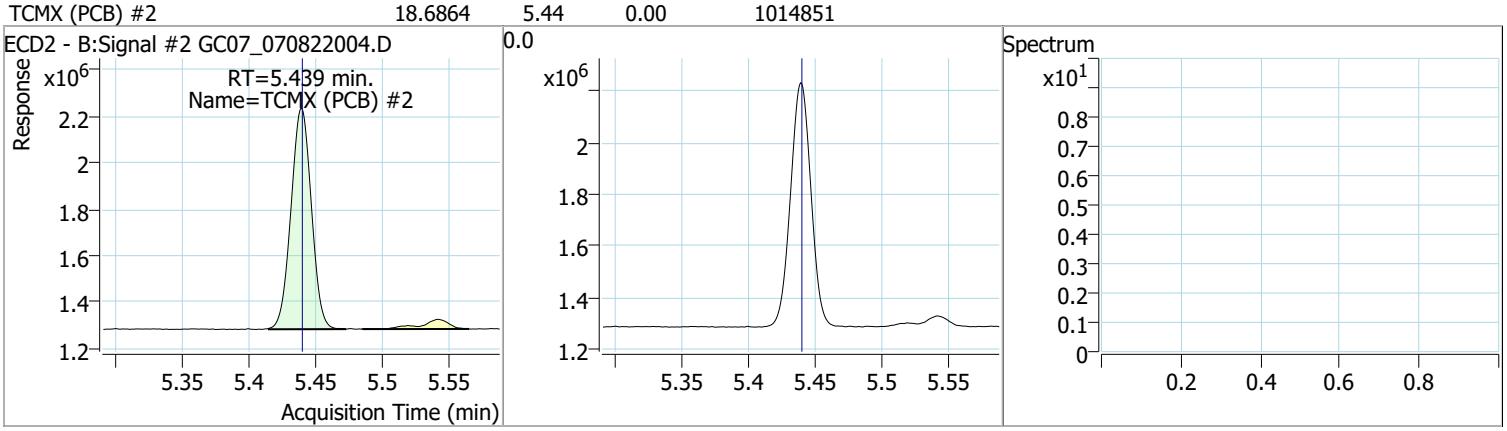
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.478	0.0	2122708.695	507.5102	ng/ml	100
T AR1016 2	5.829	0.0	4317349.316	476.2638	ng/ml	100
T AR1016 1 #2	5.931	0.0	578515.498	480.0411	ng/ml	100
T AR1016 3	6.306	0.0	5450406.671	519.2252	ng/ml	100
T AR1016 2 #2	6.370	0.0	1269673.275	483.8273	ng/ml	100
T AR1016 4	6.447	0.0	3580680.414	474.3474	ng/ml	100
T AR1016 5	6.931	0.0	3253542.522	517.4403	ng/ml	100
T AR1016 3 #2	6.941	0.0	1576088.497	523.5867	ng/ml	100
T AR1016 4 #2	7.122	0.0	1134280.699	542.9274	ng/ml	100
T AR1016 5 #2	7.846	0.0	889203.209	509.5160	ng/ml	100
T AR1260 1	8.943	0.0	7011278.498	528.0291	ng/ml	100
T AR1260 2	9.516	0.0	10348677.554	542.9244	ng/ml	100
T AR1260 3	10.009	0.0	11300320.409	585.0241	ng/ml	100
T AR1260 1 #2	10.288	0.0	1839521.361	485.3645	ng/ml	100
T AR1260 4	10.555	0.0	4970345.926	503.3520	ng/ml	100
T AR1260 2 #2	10.585	0.0	2218498.720	526.8723	ng/ml	100
T AR1260 3 #2	11.052	0.0	3010902.253	580.9470	ng/ml	100
T AR1260 5	11.307	0.0	6073664.606	669.9635	ng/ml	100
T AR1260 4 #2	11.503	0.0	1661805.003	571.4919	ng/ml	100
T AR1260 5 #2	12.215	0.0	2353509.144	563.2215	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

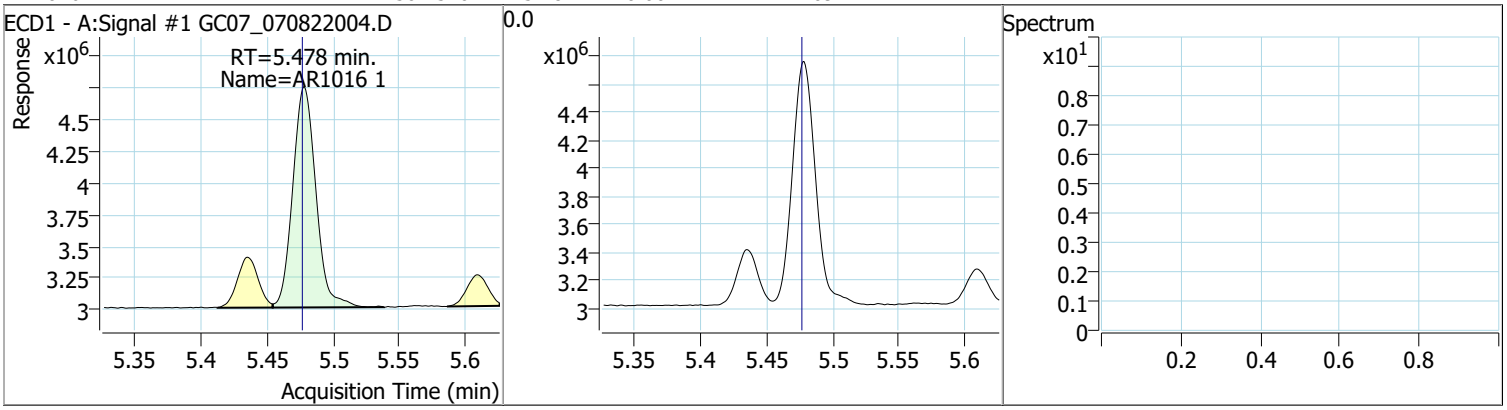
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	18.4312	5.13	0.00	3789969				



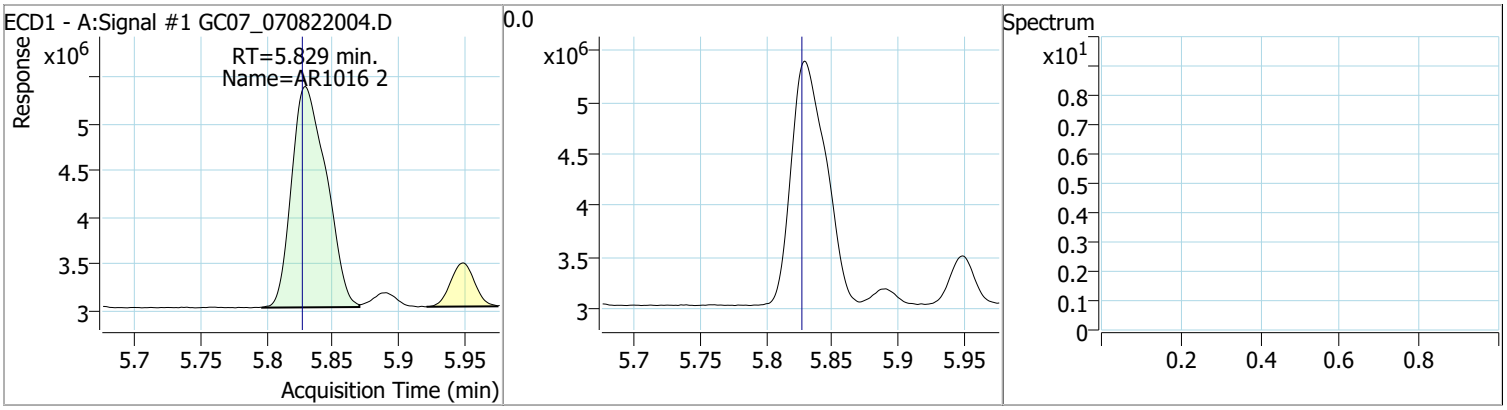
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	18.6864	5.44	0.00	1014851				



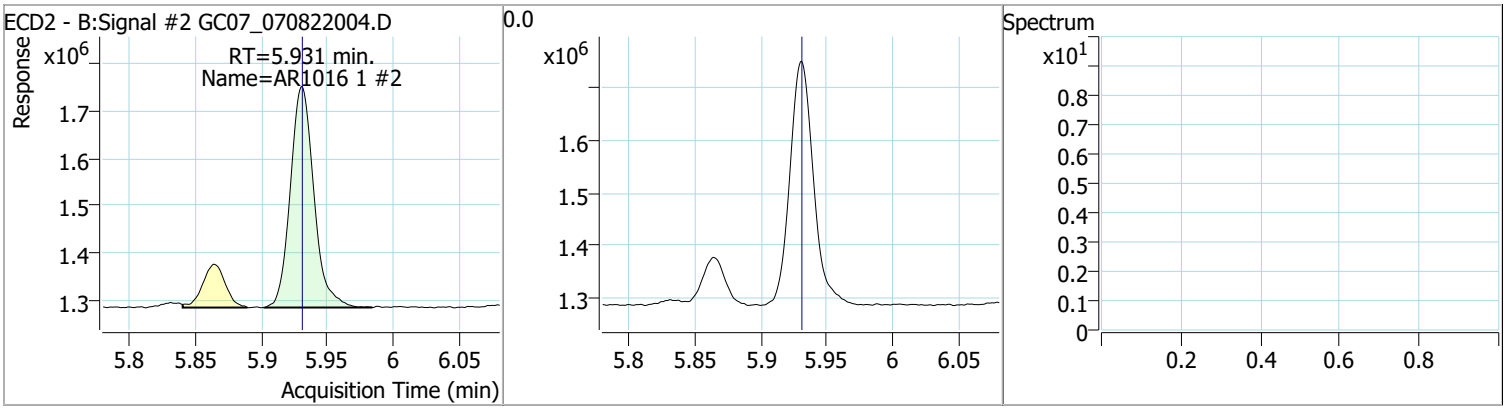
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	507.5102	5.48	0.00	2122709				



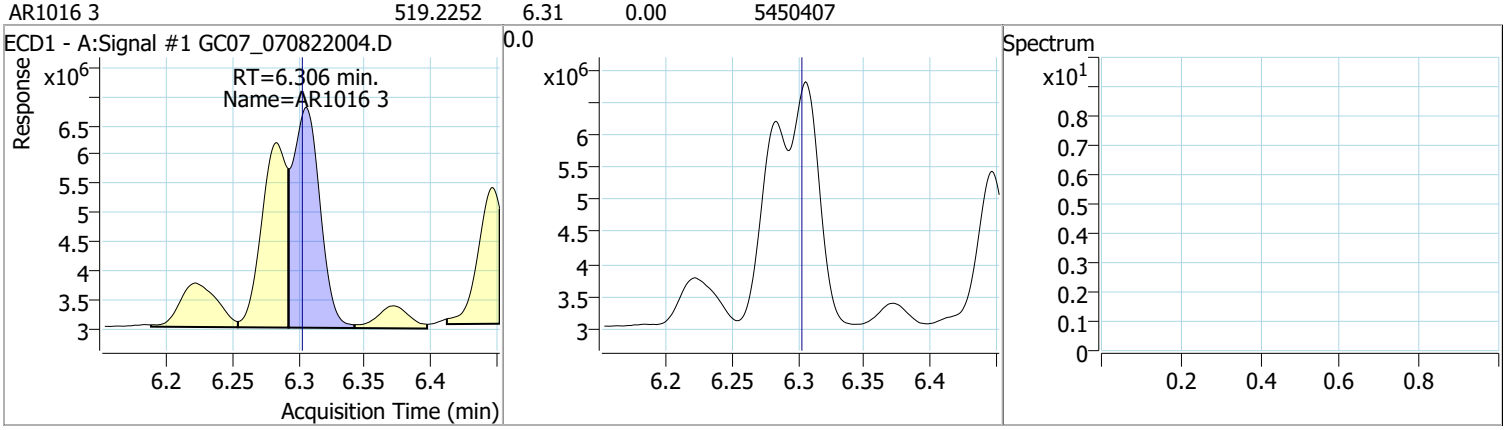
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	476.2638	5.83	0.00	4317349				



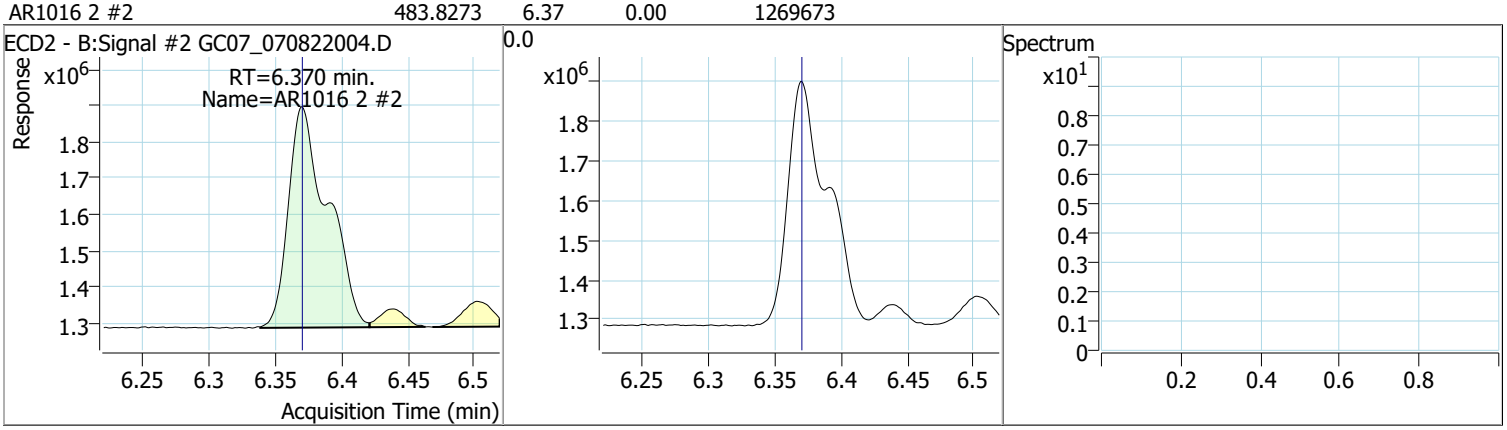
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	480.0411	5.93	0.00	578515				



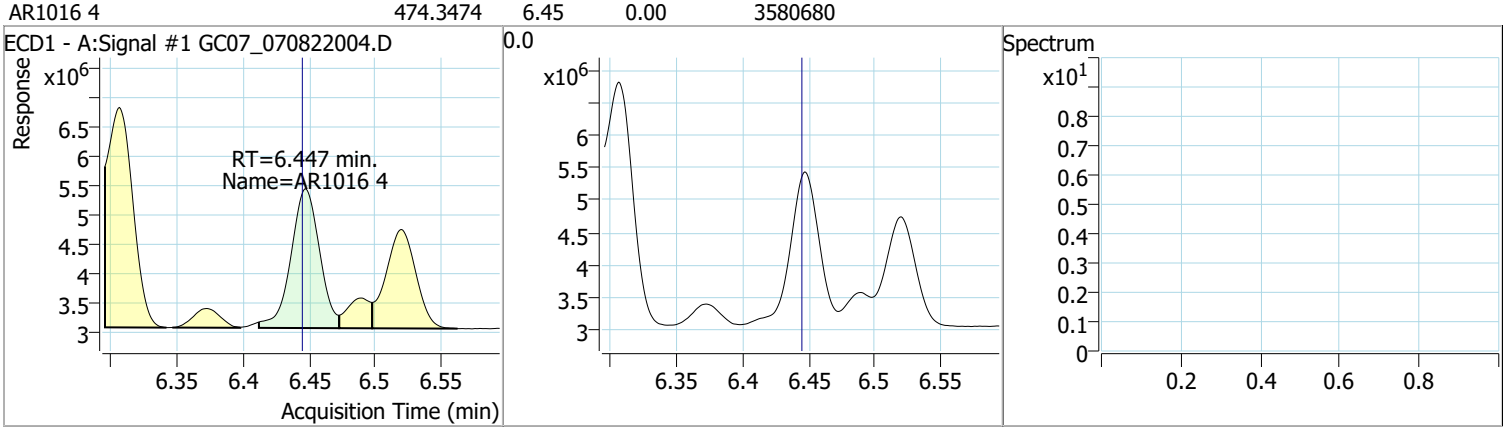
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	519.2252	6.31	0.00	5450407				



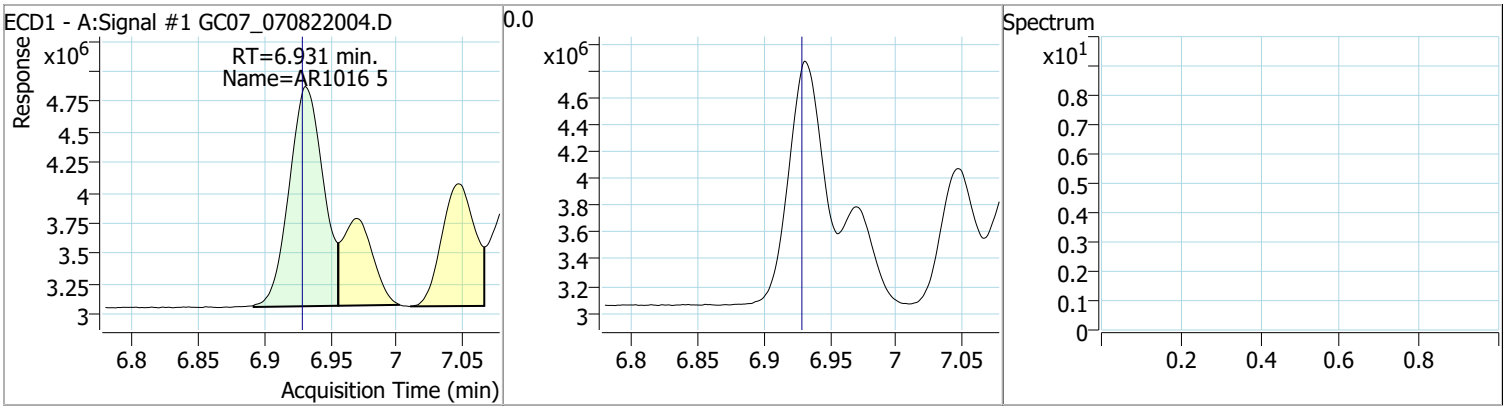
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	483.8273	6.37	0.00	1269673				



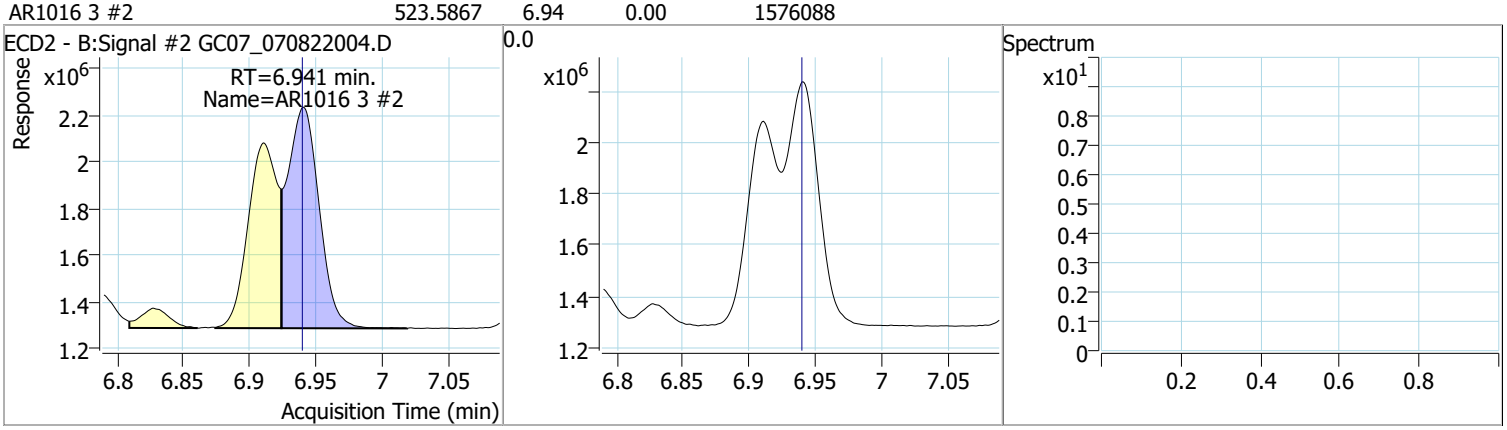
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	474.3474	6.45	0.00	3580680				



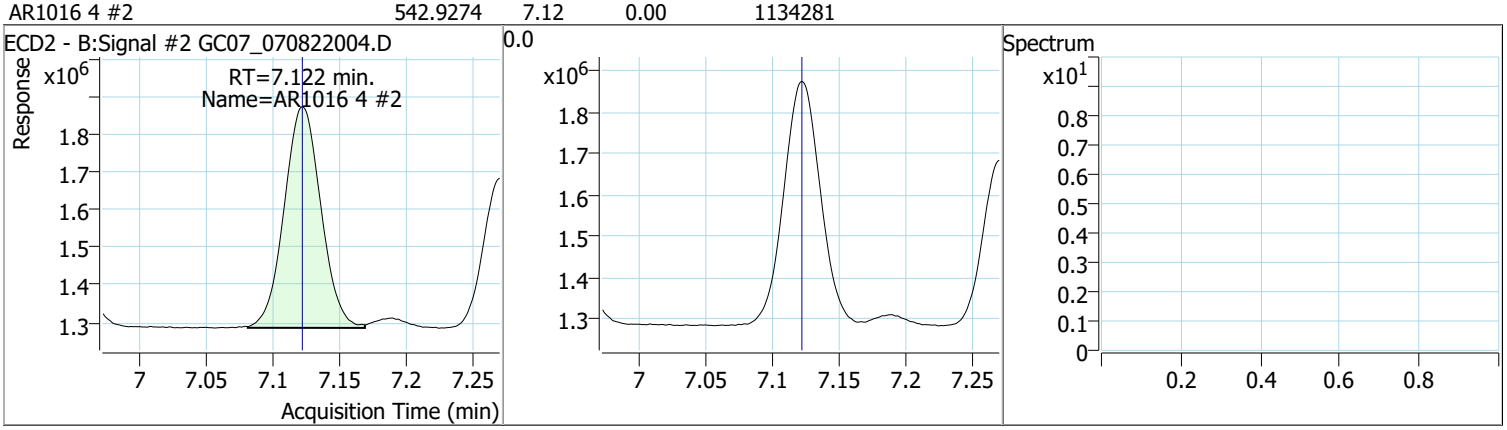
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	517.4403	6.93	0.00	3253543				



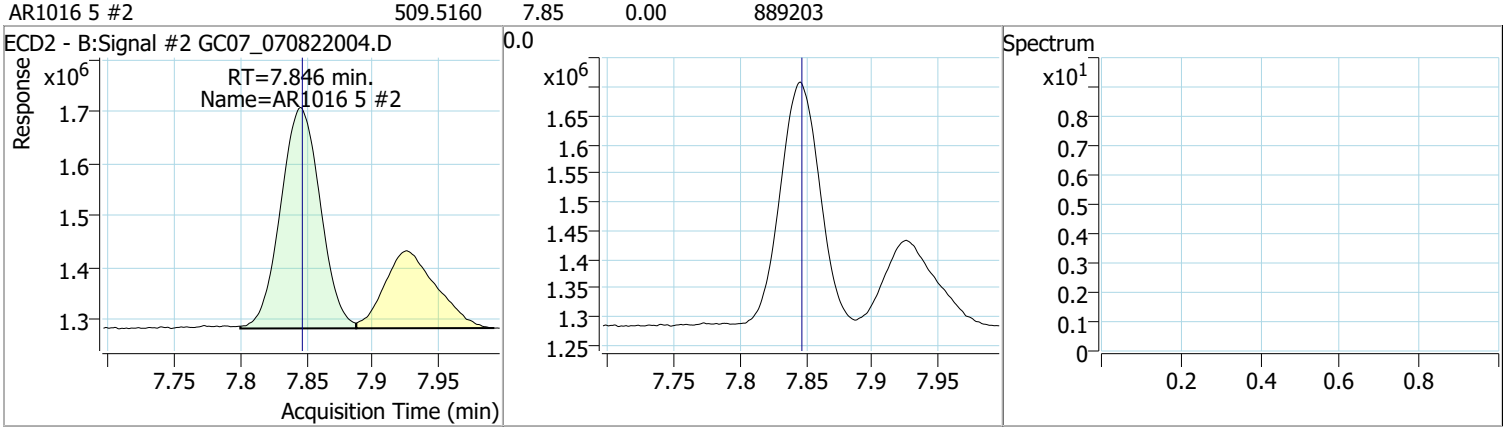
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	523.5867	6.94	0.00	1576088				



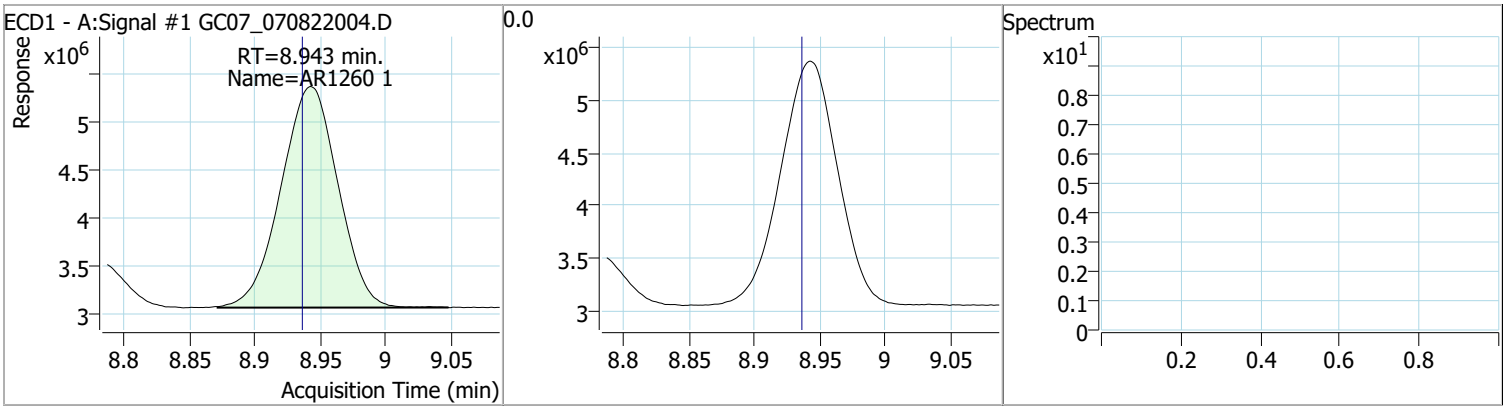
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	542.9274	7.12	0.00	1134281				



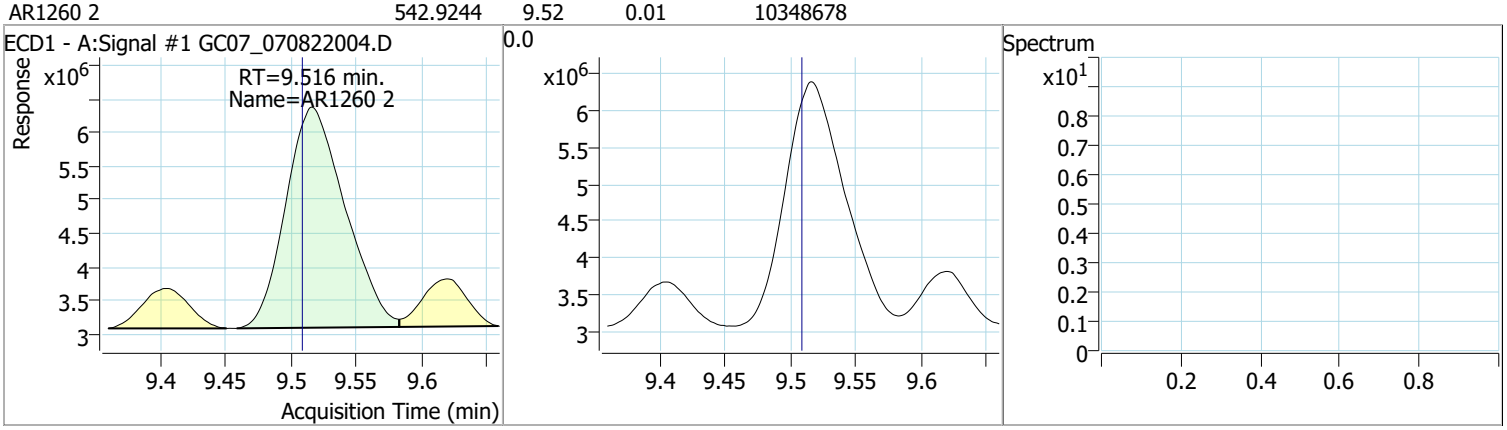
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	509.5160	7.85	0.00	889203				



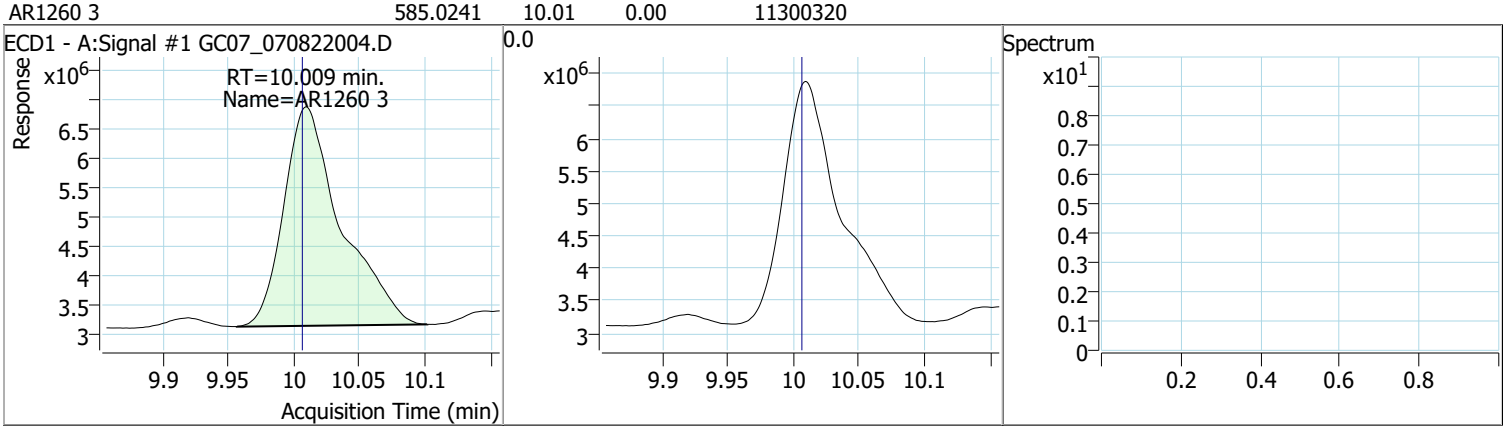
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	528.0291	8.94	0.00	7011278				



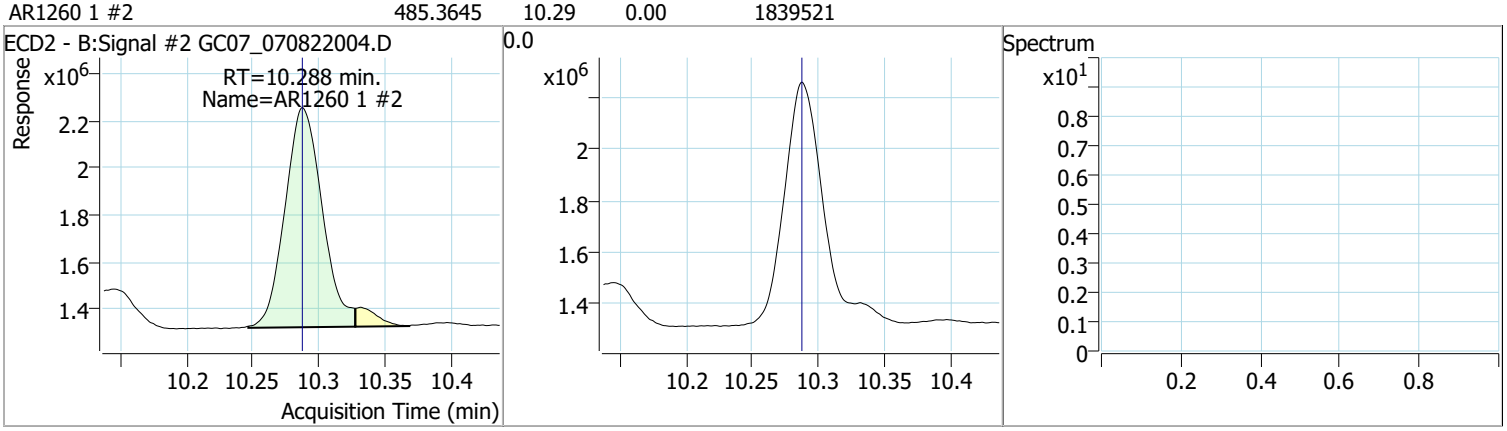
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	542.9244	9.52	0.01	10348678				



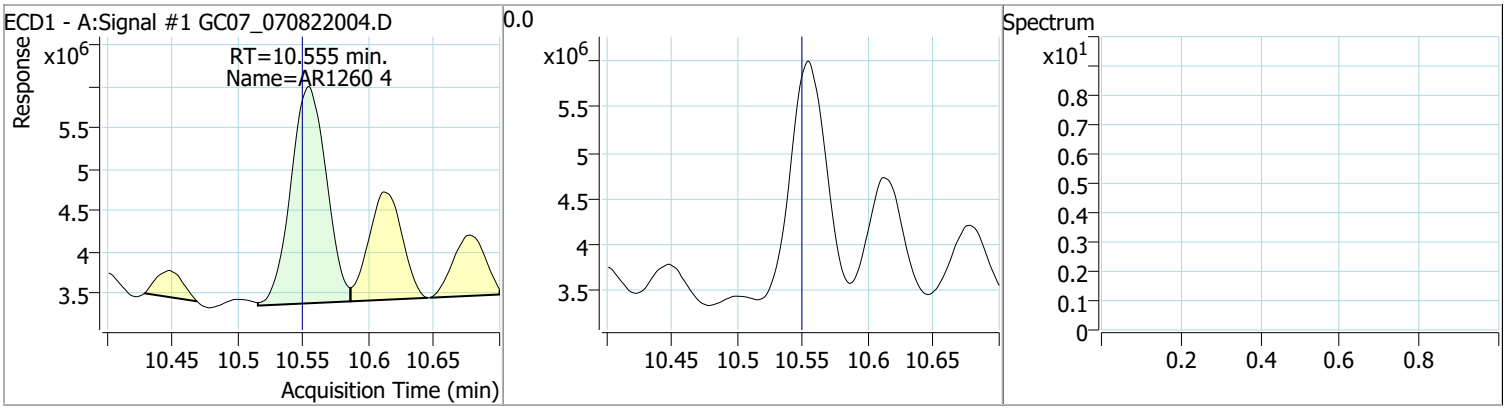
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	585.0241	10.01	0.00	11300320				



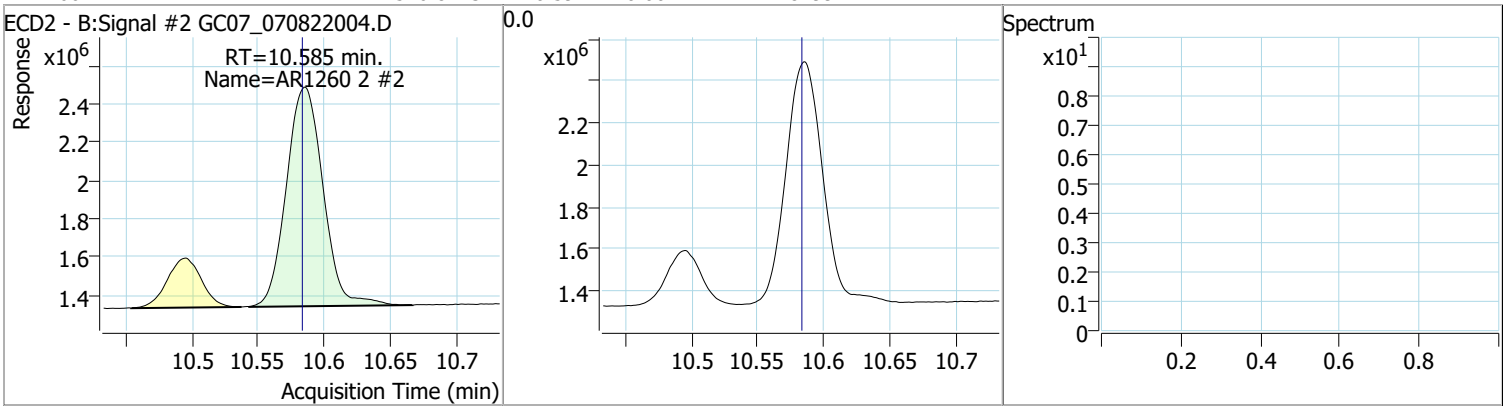
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	485.3645	10.29	0.00	1839521				



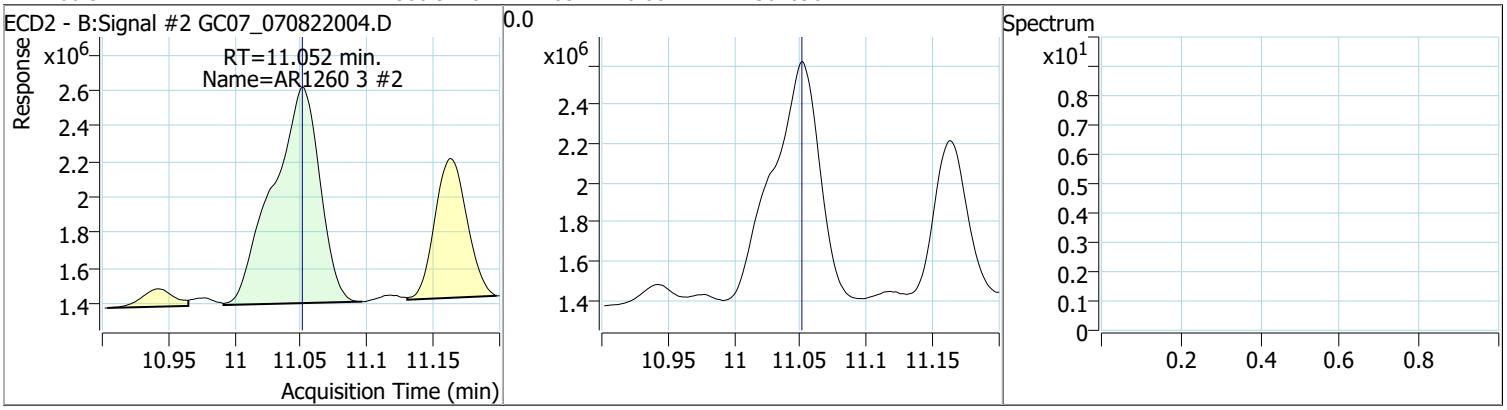
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	503.3520	10.56	0.00	4970346				



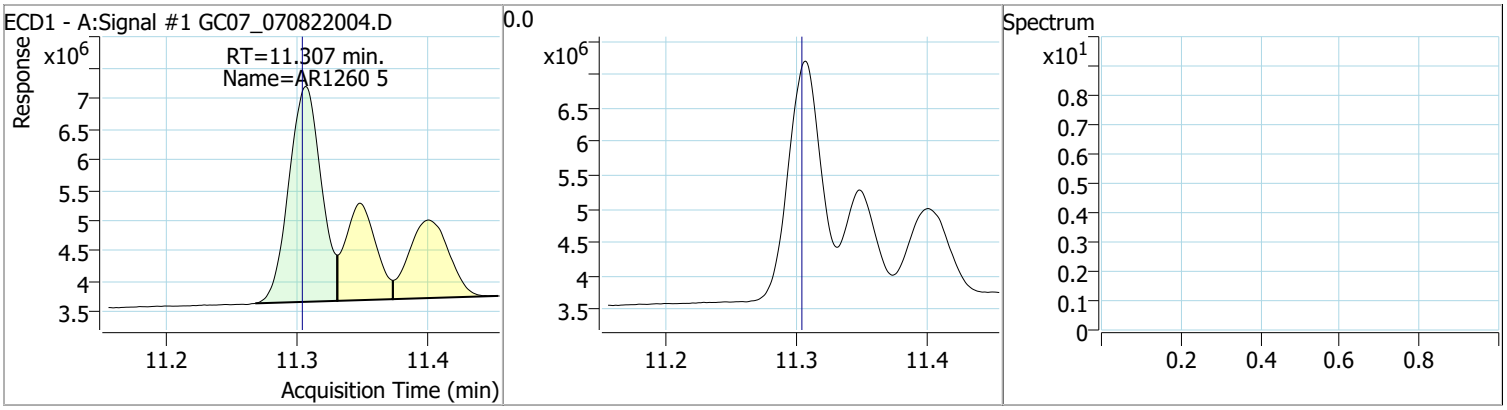
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	526.8723	10.59	0.00	2218499				



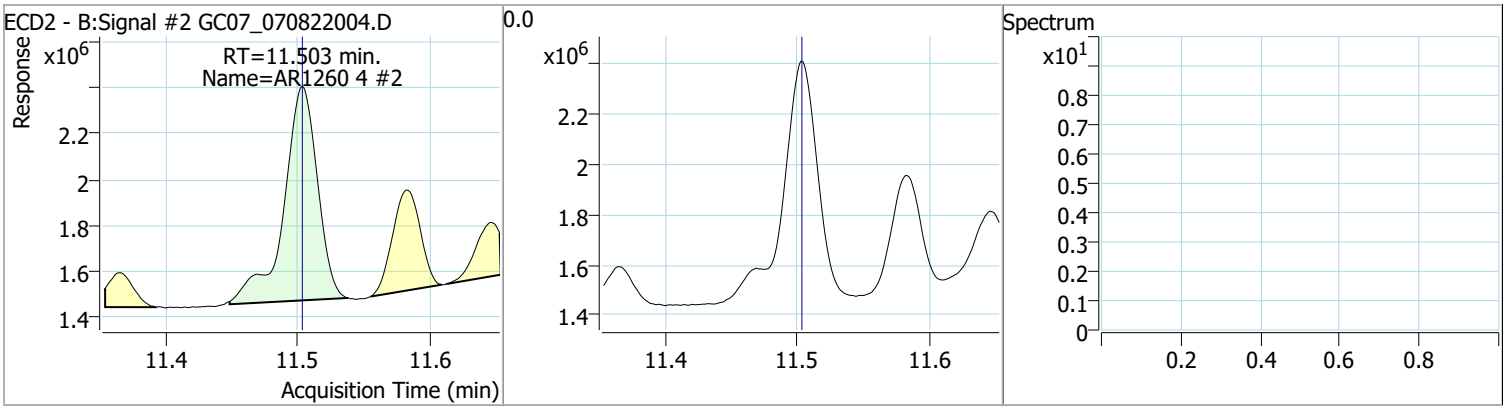
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	580.9470	11.05	0.00	3010902				



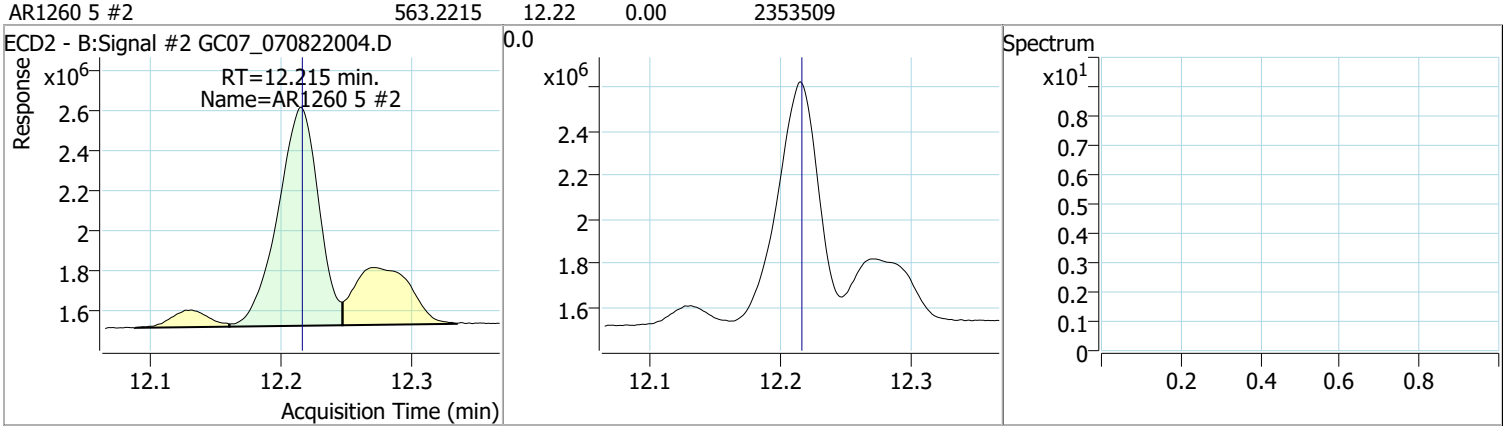
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	669.9635	11.31	0.00	6073665				



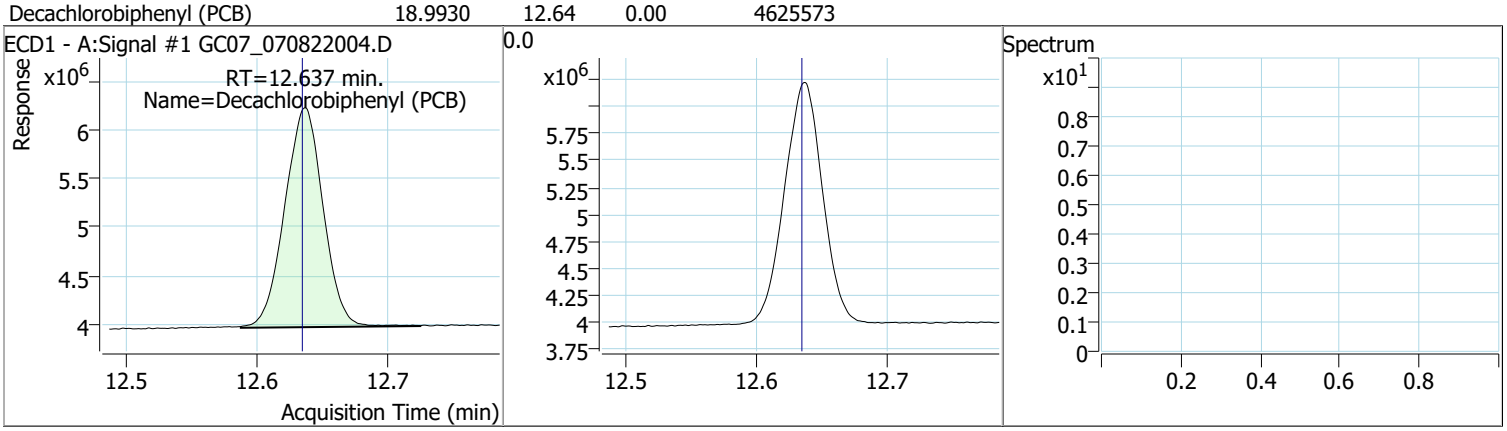
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	571.4919	11.50	0.00	1661805				



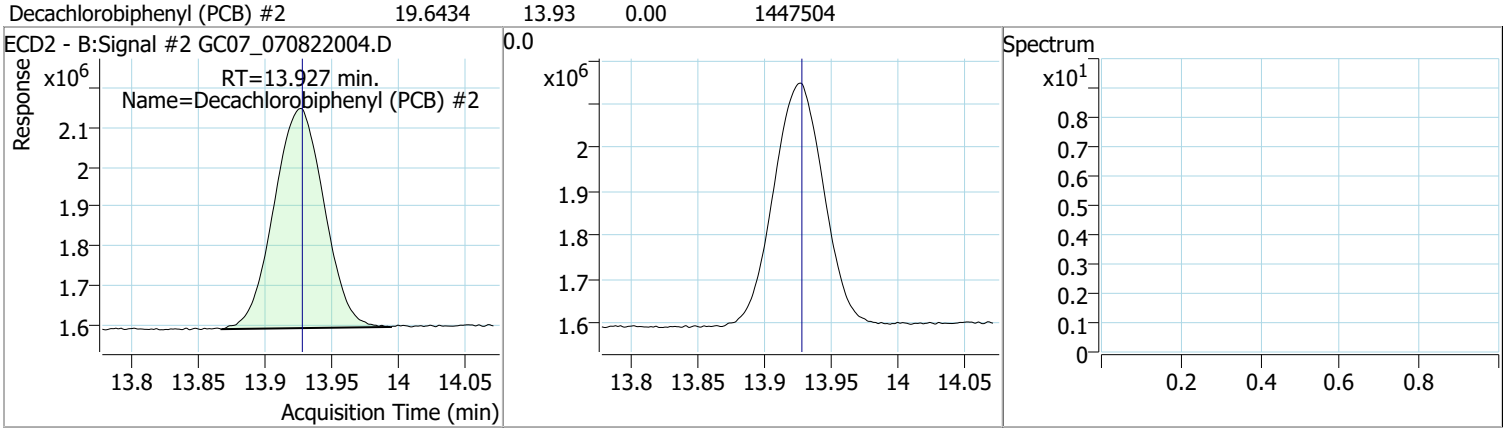
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	563.2215	12.22	0.00	2353509				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	18.9930	12.64	0.00	4625573				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	19.6434	13.93	0.00	1447504				



Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 465031
Report Level: IV
Report Date: 01/21/2023

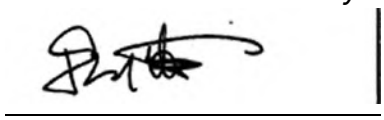
Metals

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	465031
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	06/29/22

Sample ID	Lab ID	Collected	Matrix
DOOR-N-0.3GW-DG-11 TO 25-220628-L-LA	465031-002	06/28/22 14:34	Wipe
DOOR-N-0.7GW-DG-11 TO 25-220628-L-LA	465031-004	06/28/22 14:20	Wipe
DOOR-N-0.5GE-INT-25 TO 26-220628-L-CB	465031-006	06/28/22 14:01	Wipe

Case Narrative

METALS (EPA 6010B)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 465031 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 06/29/22

This data package contains sample and QC results for three wipe samples, requested for the above referenced project on 06/29/22. See attached cooler receipt form for any sample receipt problems or discrepancies.

Metals (EPA 6010B):

No analytical problems were encountered.

Chain of Custody

46 465031

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim and T. Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B								HOLD	Test Instructions / Comments
31	DOOR-N-0.3GW-DG-11 TO 25-220628-P-LA	6/28/2022	1434	WP	1		X										
32	DOOR-N-0.3GW-DG-11 TO 25-220628-L-LA	6/28/2022	1434	WP	1			X									Total sample area: 1.0276 ft^2
33	DOOR-N-0.7GW-DG-11 TO 25-220628-P-LA	6/28/2022	1420	WP	1		X										
34	DOOR-N-0.7GW-DG-11 TO 25-220628-L-LA	6/28/2022	1420	WP	1			X									Total sample area: 1.0276 ft^2
35	DOOR-N-0.5GE-INT-25 TO 26-220628-P-CB	6/28/2022	1401	WP	1		X										
36	DOOR-N-0.5GE-INT-25 TO 26-220628-L-CB	6/28/2022	1401	WP	1			X									
37																	
38																	
39																	
40																	
41																	
42																	
43																	
44																	
45																	

Analysis Request

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm^2 basis

Report lead concentrations on a µg/ft^2 basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Report requires Stage 3 Data Validation

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Tyler Sinnott	Rincon / Envi. Scientist	6/29/22 11:44
1 Received By:		Audrey Hudson	Enthalpy	6/29/22 11:44
2 Relinquished By:		Audrey Hudson	Enthalpy	6/29/22 15:45
2 Received By:				6/29/22 1545
3 Relinquished By:				6/29/22 1725
3 Received By:		FEDEX		6/30/22 0820

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon

Project: Hangar 1 NTCRA

Date Received: 6/30/2022

Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 4.0 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: Greyhound

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 2.2 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Yanita Date: 6/30/2022

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 460351 Client: Ramcon

Date Received: 6/24/22 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☑ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 6/29/22 By (print) MM (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☐ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: 5.4, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 6/29/22 **By (print)** MM **(sign)** _____

Date Labeled 6/29/22 **By (print)** MM **(sign)** _____

2.2 /4.0

Results & QC Summary

ENTHALPY ANALYTICAL

Lead

Lab #: 465031 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.3GW-DG-11 TO 25-220628-L-LA **Batch#:** 292192 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/28/22 **Analysis:** EPA 6010B
Lab ID: 465031-002 **Received:** 06/29/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/30/22
Diln Fac: 1.000 **Analyzed:** 06/30/22

Analyte	Result	RL	Units
Lead	**50**	0.97	ug/ft2

Field ID: DOOR-N-0.7GW-DG-11 TO 25-220628-L-LA **Batch#:** 292192 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/28/22 **Analysis:** EPA 6010B
Lab ID: 465031-004 **Received:** 06/29/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/30/22
Diln Fac: 1.000 **Analyzed:** 06/30/22

Analyte	Result	RL	Units
Lead	**71**	0.97	ug/ft2

Field ID: DOOR-N-0.5GE-INT-25 TO 26-220628-L-CB **Batch#:** 292192 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/28/22 **Analysis:** EPA 6010B
Lab ID: 465031-006 **Received:** 06/29/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/30/22
Diln Fac: 1.000 **Analyzed:** 06/30/22

Analyte	Result	RL	Units
Lead	**190**	1.0	ug/ft2

Type: BLANK **Batch#:** 292192 **Analysis:** EPA 6010B
Lab ID: QC997988 **Prepared:** 06/30/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 06/30/22
Diln Fac: 1.000 **Prep:** EPA 3050B

Analyte	Result	RL	Units
Lead	ND	1.0	ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 465031 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 292192 **Analysis:** EPA 6010B

Lab ID: QC997989 **Prepared:** 06/30/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 06/30/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	109.9	110	80-120	ug/ft2

Type: BSD **Batch#:** 292192 **Analysis:** EPA 6010B

Lab ID: QC997990 **Prepared:** 06/30/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 06/30/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	108.9	109	80-120	ug/ft2	1	20

Legend

RPD: Relative Percent Difference

REPORTING SUMMARY FOR 465031 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	PB	
465031-002	MET06	06/30/22 14:20	1.0	+	
465031-004	MET06	06/30/22 14:24	1.0	+	
465031-006	MET06	06/30/22 14:27	1.0	+	
QC997988	MET06	06/30/22 14:11	1.0	+	
QC997989	MET06	06/30/22 14:14	1.0	+	
QC997990	MET06	06/30/22 14:17	1.0	+	

Enthalpy Sequence Summary for Sequence 482261233

Instrument : MET06 Begun : 06/30/22 09:53
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master	ICALBLK	CALBLANK			06/30/22 09:53	1.0	1	
002	met06_master	ICALBLK	CALBLANK			06/30/22 09:57	1.0	1	
003	met06_master	ICAL	L1			06/30/22 10:00	1.0	2 1	
004	met06_master	ICAL	L2			06/30/22 10:03	1.0	3 1	
005	met06_master	ICAL	L3			06/30/22 10:06	1.0	4 1	
006	met06_master	ICAL	L4			06/30/22 10:10	1.0	5 1	
007	met06_master	ICAL	L5			06/30/22 10:13	1.0	6 1	
008	met06_master	ICAL	L6			06/30/22 10:16	1.0	7 1	
009	met06_master	ICAL	L7			06/30/22 10:20	1.0	8 1	
010	met06_master	ICAL	L8			06/30/22 10:23	1.0	9 1	
011	met06_master	ICV				06/30/22 10:26	1.0	10 1	
012	met06_master	CRI				06/30/22 10:30	1.0	11 1	
013	met06_master	XICB				06/30/22 10:33	1.0	1	
014	met06_master	ICSA				06/30/22 10:36	1.0	12 1	4:MGASMGCO3=1400
015	met06_master	ICSAB				06/30/22 10:39	1.0	13 1	4:MGASMGCO3=1400
016	met06_master	XBLANK	QC997849	Drinking Water	292151	06/30/22 10:43	1.0	1	
017	met06_master	XMSS	464960-001	Drinking Water	292131	06/30/22 10:50	1.0	1	
018	met06_master	XMS	QC997786	Drinking Water	292131	06/30/22 10:53	1.0	1	
019	met06_master	XMSD	QC997787	Drinking Water	292131	06/30/22 10:56	1.0	1	
020	met06_master	XCCV				06/30/22 11:03	1.0	10 1	
021	met06_master	ICB				06/30/22 11:10	1.0	1	
022	met06_master	MSS	464960-001	Drinking Water	292131	06/30/22 11:13	1.0	1	
023	met06_master	MS	QC997786	Drinking Water	292131	06/30/22 11:16	1.0	1	
024	met06_master	MSD	QC997787	Drinking Water	292131	06/30/22 11:20	1.0	1	
025	met06_master	CCV/LCS	QC997785	Drinking Water	292131	06/30/22 11:23	1.0	10 1	
026	met06_master	CCB/MB	QC997784	Drinking Water	292131	06/30/22 11:26	1.0	1	
027	met06_master	SAMPLE	465054-001	Drinking Water	292131	06/30/22 11:32	1.0	1	
028	met06_master	SAMPLE	464406-001	TCLP Leachate	292096	06/30/22 11:39	100.0	1	
029	met06_master	CCV				06/30/22 11:42	1.0	10 1	
030	met06_master	CCB				06/30/22 11:45	1.0	1	
031	met06_master	BLANK	QC997656	Water	292083	06/30/22 12:23	1.0	1	
032	met06_master	LCS	QC997657	Water	292083	06/30/22 12:27	1.0	1	
033	met06_master	SAMPLE	464671-001	Water	292083	06/30/22 12:30	1.0	1	1:SULFUR=460
034	met06_master	MSS	464947-001	Water	292083	06/30/22 12:33	1.0	1	1:SULFUR=270
035	met06_master	MS	QC997658	Water	292083	06/30/22 12:36	1.0	1	1:SULFUR=270
036	met06_master	MSD	QC997659	Water	292083	06/30/22 12:40	1.0	1	1:SULFUR=280
037	met06_master	SAMPLE	464957-001	Water	292083	06/30/22 12:43	1.0	1	1:SULFUR=480
038	met06_master	SAMPLE	464958-001	Water	292083	06/30/22 12:46	1.0	1	1:SULFUR=470
039	met06_master	SAMPLE	464988-001	Water	292083	06/30/22 12:50	1.0	1	
040	met06_master	CCV				06/30/22 12:53	1.0	10 1	
041	met06_master	CCB				06/30/22 12:56	1.0	1	
042	met06_master	BLANK	QC997988	Wipe	292192	06/30/22 14:11	1.0	1	
043	met06_master	BS	QC997989	Wipe	292192	06/30/22 14:14	1.0	1	
044	met06_master	BSD	QC997990	Wipe	292192	06/30/22 14:17	1.0	1	
045	met06_master	SAMPLE	465031-002	Wipe	292192	06/30/22 14:20	1.0	1	
046	met06_master	SAMPLE	465031-004	Wipe	292192	06/30/22 14:24	1.0	1	
047	met06_master	SAMPLE	465031-006	Wipe	292192	06/30/22 14:27	1.0	1	
048	met06_master	BLANK	QC998001	WET Leachate	292038	06/30/22 14:30	1.0	1	
049	met06_master	BS	QC998002	WET Leachate	292038	06/30/22 14:33	1.0	1	
050	met06_master	BSD	QC998003	WET Leachate	292038	06/30/22 14:37	1.0	1	
051	met06_master	SAMPLE	464403-001	WET Leachate	292038	06/30/22 14:40	1.0	1	
052	met06_master	CCV				06/30/22 14:43	1.0	10 1	

Enthalpy Sequence Summary for Sequence 482261233

Instrument : MET06 Begun : 06/30/22 09:53
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met06_master	CCB				06/30/22 14:46	1.0	1	
054	met06_master	SAMPLE	464403-002	WET Leachate	292038	06/30/22 14:50	1.0	1	
055	met06_master	SAMPLE	464403-003	WET Leachate	292038	06/30/22 14:53	1.0	1	
056	met06_master	SAMPLE	464403-004	WET Leachate	292038	06/30/22 14:56	1.0	1	
057	met06_master	SAMPLE	464406-001	WET Leachate	292038	06/30/22 14:59	1.0	1	1:SN=79
058	met06_master	SAMPLE	464895-001	WET Leachate	292038	06/30/22 15:03	1.0	1	
059	met06_master	BLANK	QC997895	Water	292163	06/30/22 15:06	1.0	1	
060	met06_master	LCS	QC997896	Water	292163	06/30/22 15:09	1.0	1	
061	met06_master	MSS	465002-001	Water	292163	06/30/22 15:13	1.0	1	2:NA=3000
062	met06_master	MS	QC997897	Water	292163	06/30/22 15:16	1.0	1	2:NA=2900
063	met06_master	MSD	QC997898	Water	292163	06/30/22 15:19	1.0	1	2:NA=3000
064	met06_master	CCV				06/30/22 15:22	1.0	10 1	
065	met06_master	CCB				06/30/22 15:26	1.0	1	
066	met06_master	BLANK	QC997915	Water	292171	06/30/22 15:29	1.0	1	
067	met06_master	LCS	QC997916	Water	292171	06/30/22 15:32	1.0	1	
068	met06_master	SAMPLE	464990-001	Water	292171	06/30/22 15:35	1.0	1	
069	met06_master	SAMPLE	464990-002	Water	292171	06/30/22 15:39	1.0	1	
070	met06_master	SAMPLE	464990-003	Water	292171	06/30/22 15:42	1.0	1	
071	met06_master	SAMPLE	464990-004	Water	292171	06/30/22 15:45	1.0	1	
072	met06_master	SAMPLE	464990-005	Water	292171	06/30/22 15:48	1.0	1	
073	met06_master	SAMPLE	464990-006	Water	292171	06/30/22 15:52	1.0	1	
074	met06_master	SAMPLE	464990-007	Water	292171	06/30/22 15:55	1.0	1	
075	met06_master	MSS	465040-012	Water	292171	06/30/22 15:58	1.0	1	
076	met06_master	CCV				06/30/22 16:01	1.0	10 1	

KLN 06/30/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 1 through 65.

Standards used: 1=S13369 2=S16950 3=S16949 4=S16948 5=S16947 6=S16645 7=S16518 8=S16675 9=S16519 10=S16870 11=S16646 12=S16520 13=S16601

Enthalpy Internal Standard Summary for Sequence 482261233

Date : 06/30/22 Reference : met06_master
Sequence : MET06 06/30/22 Analyzed : 06/30/22 09:57

#	Type	Sample ID	Y H	Y A	Y R
		ICALBLK STD	32899157	1545938	312921
		LOWER LIMIT	9869747	463781	93876
		UPPER LIMIT	65798314	3091876	625842
014	ICSA		28798978	1381831	291567
015	ICSAB		29005768	1398669	292481
021	ICB		33406842	1601278	311370
022	MSS	464960-001	34241860	1657196	321283
023	MS	QC997786	34031564	1652322	320582
024	MSD	QC997787	33981369	1652152	319987
025	CCV/LCS	QC997785	30400603	1497806	301591
026	CCB/MB	QC997784	33463200	1610107	310974
027	SAMPLE	465054-001	34551018	1679882	321295
028	SAMPLE	464406-001	35929033	1729143	327013
029	CCV		30445737	1497603	300054
030	CCB		33465777	1615249	310712
031	BLANK	QC997656	36178690	1737510	330322
032	LCS	QC997657	33387905	1635111	315653
033	SAMPLE	464671-001	30031270	1509495	308100
034	MSS	464947-001	29930726	1528459	303669
035	MS	QC997658	30094943	1511338	295389
036	MSD	QC997659	29966315	1524675	300665
037	SAMPLE	464957-001	29721204	1514999	301196
038	SAMPLE	464958-001	29815967	1524371	300464
039	SAMPLE	464988-001	32503644	1615628	310621
040	CCV		30719825	1534958	302490
041	CCB		33754327	1650947	311579
042	BLANK	QC997988	35021657	1712289	321126
043	BS	QC997989	33160162	1651666	306684
044	BSD	QC997990	33056791	1647645	306589
045	SAMPLE	465031-002	33238192	1641634	308999
046	SAMPLE	465031-004	33227821	1649325	308443
047	SAMPLE	465031-006	33144409	1645704	308063
048	BLANK	QC998001	32562309	1664198	310163
049	BS	QC998002	32346349	1650763	307743
050	BSD	QC998003	32356000	1655377	305506
051	SAMPLE	464403-001	32243808	1635052	308576
052	CCV		31092125	1591542	300966
053	CCB		34035884	1712809	309751
054	SAMPLE	464403-002	32082892	1643090	307170
055	SAMPLE	464403-003	32149853	1642862	307257
056	SAMPLE	464403-004	32011179	1636487	305830
057	SAMPLE	464406-001	32424814	1657206	307316
058	SAMPLE	464895-001	32130894	1650391	306692
059	BLANK	QC997895	33310925	1666718	308618
060	LCS	QC997896	32525025	1632780	306598
061	MSS	465002-001	24933829	1369538	279332
062	MS	QC997897	24963802	1375104	280901
063	MSD	QC997898	24930911	1371491	280377
064	CCV		31398236	1604242	303645
065	CCB		33983143	1713884	314128
076	CCV		31385489	1621178	302979

ENTHALPY INITIAL CALIBRATION FOR 465031 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	482261233001	Date:	30-JUN-2022 09:57
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master	482261233003	L1	30-JUN-2022 10:00	S16950, S13369 (100X)
L2	met06_master	482261233004	L2	30-JUN-2022 10:03	S16949, S13369 (100X)
L3	met06_master	482261233005	L3	30-JUN-2022 10:06	S16948, S13369 (100X)
L4	met06_master	482261233006	L4	30-JUN-2022 10:10	S16947, S13369 (100X)

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	0.0218	0.0344	0.0340	0.0319	WB1K	3.72E-4	31.3040		0.0305	1.000		5	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
WB1K: Linear regression with ICALBLK weighting factor of 1000

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D
Lead	A	0.0033	**-21**	0.1000	8	1.0000	6	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 465031 METALS Wipe
EPA 6010B

Inst : MET06
Calnum : 482261233001 Cal Date : 30-JUN-2022

ICV 482261233011 (30-JUN-2022) stds: S16870, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	0.9557	mg/l	-4	

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 465031 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482261233014 File : met06_master Time : 30-JUN-2022 10:36
Cal : 482261233001 Caldate : 30-JUN-2022
Standards: S16520, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.01513]	0.003333	mg/l	a- ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	146.6	mg/l	92	
Iron as Fe2O3	A	228.8	209.7	mg/l	92	
Aluminum	R	400.0	382.8	mg/l	96	
Aluminum as Al2O3	R	755.8	723.3	mg/l	96	
Calcium	R	400.0	387.0	mg/l	97	
Calcium as CaCO3	R	998.9	966.4	mg/l	97	
Magnesium	R	400.0	416.8	mg/l	104	
Magnesium as MgCO3	R	1388	1446	mg/l	104	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	32899157	28798978	-12.46
Yttrium	A	1545938	1381831	-10.62
Yttrium	R	312921	291567	-6.82

-=low bias a=ICSA

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 465031 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482261233015 File : met06_master Time : 30-JUN-2022 10:39
Cal : 482261233001 Caldate : 30-JUN-2022
Standards: S16601, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	0.9725	mg/l	-3	20	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	32899157	29005768	-11.83
Yttrium	A	1545938	1398669	-9.53
Yttrium	R	312921	292481	-6.53

ENTHALPY INSTRUMENT BLANK FOR 465031 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482261233021 File : met06_master Time : 30-JUN-2022 11:10
Cal : 482261233001 Caldate : 30-JUN-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	32899157	33406842	1.54
Yttrium	A	1545938	1601278	3.58
Yttrium	R	312921	311370	-0.50

ENTHALPY CONTINUING CALIBRATION FOR 465031 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482261233040 File : met06_master Time : 30-JUN-2022 12:53
Cal : 482261233001 Caldate : 30-JUN-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0305	0.0315	1.000	0.9847	mg/l	-2	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	32899157	30719825	-6.62
Yttrium	A	1545938	1534958	-0.71
Yttrium	R	312921	302490	-3.33

ENTHALPY INSTRUMENT BLANK FOR 465031 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482261233041 File : met06_master Time : 30-JUN-2022 12:56
Cal : 482261233001 Caldate : 30-JUN-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	32899157	33754327	2.60
Yttrium	A	1545938	1650947	6.79
Yttrium	R	312921	311579	-0.43

ENTHALPY CONTINUING CALIBRATION FOR 465031 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482261233052 File : met06_master Time : 30-JUN-2022 14:43
Cal : 482261233001 Caldate : 30-JUN-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0305	0.0321	1.000	1.004	mg/l	0	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	32899157	31092125	-5.49
Yttrium	A	1545938	1591542	2.95
Yttrium	R	312921	300966	-3.82

ENTHALPY INSTRUMENT BLANK FOR 465031 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482261233053 File : met06_master Time : 30-JUN-2022 14:46
Cal : 482261233001 Caldate : 30-JUN-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	32899157	34035884	3.46
Yttrium	A	1545938	1712809	10.79
Yttrium	R	312921	309751	-1.01

SAMPLE PREPARATION SUMMARY

Batch # : 292192 Analysis : ICP
Started By : DLS Prep Date : 30-JUN-2022 11:45 Finished By : DLS
Method : 3050B Units : ft2
Spike #1 ID : S16855 Spike #2 ID : S16906

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
465031-002		Wipe	1.0276	100	1	97.31						6010	
465031-004		Wipe	1.0276	100	1	97.31						6010	
465031-006		Wipe	1	100	1	100.0						6010	
QC997988	BLANK	Wipe	1	100	1	100.0						ICP	
QC997989	BS	Wipe	1	100	1	100.0		1	1			ICP	
QC997990	BSD	Wipe	1	100	1	100.0		1	1			ICP	

Analyst: SBW Date: 06/30/22 Reviewer: SLL Date: 06/30/22

ICP Prep Log

Initials: DS Prep Method: 3050B / 3010A / 200.7 / STLC QC Batch #: 292192 Thermometer ID: 918625

Prep Start, Date/Time: 6/30/22 11:45 Prep End, Date/Time: 6/30/22 13:06 HotBlock Temperature, °C: 94.5

HotBlock ID: 3

Sample ID	Bottle #	Sample pH (Water Only)	Sample Appearance	Initial Vol. or Weight (mL or g)	Bal. ID	Final Vol (mL) DS 6/30/22	Digestion Tube Lot#	Comment
Blank	-----	-----	-----	NA	NA	50	MHD0K30,3027	DS 6/30/22
LCS	-----	-----	-----	↓	↓	↓	↓	
LCSD	—	—	—	↓	↓	↓	↓	
465031-3	A	NA	wipe	1 wipe	↓	↓	↓	
↓ -4	A	↓	↓	↓	↓	↓	↓	
↓ -6	A	↓	↓	↓	↓	↓	↓	

Hydrochloric Acid ID: 10mL - 22050192

Nitric Acid ID: 10mL - 20211129TT

H_2O_2 ID: 3mL - 216661

LCS Spike ID: 1mL S,6855/S,6906

MS/MSD Spike ID: NA

ICP Raw Data

Enthalpy Sequence Summary for Sequence 482261233

Instrument : MET06 Begun : 06/30/22 09:53
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master	ICALBLK	CALBLANK			06/30/22 09:53	1.0	1	
002	met06_master	ICALBLK	CALBLANK			06/30/22 09:57	1.0	1	
003	met06_master	ICAL	L1			06/30/22 10:00	1.0	2 1	
004	met06_master	ICAL	L2			06/30/22 10:03	1.0	3 1	
005	met06_master	ICAL	L3			06/30/22 10:06	1.0	4 1	
006	met06_master	ICAL	L4			06/30/22 10:10	1.0	5 1	
007	met06_master	ICAL	L5			06/30/22 10:13	1.0	6 1	
008	met06_master	ICAL	L6			06/30/22 10:16	1.0	7 1	
009	met06_master	ICAL	L7			06/30/22 10:20	1.0	8 1	
010	met06_master	ICAL	L8			06/30/22 10:23	1.0	9 1	
011	met06_master	ICV				06/30/22 10:26	1.0	10 1	
012	met06_master	CRI				06/30/22 10:30	1.0	11 1	
013	met06_master	XICB				06/30/22 10:33	1.0	1	
014	met06_master	ICSA				06/30/22 10:36	1.0	12 1	4:MGASMGCO3=1400
015	met06_master	ICSAB				06/30/22 10:39	1.0	13 1	4:MGASMGCO3=1400
016	met06_master	XBLANK	QC997849	Drinking Water	292151	06/30/22 10:43	1.0	1	
017	met06_master	XMSS	464960-001	Drinking Water	292131	06/30/22 10:50	1.0	1	
018	met06_master	XMS	QC997786	Drinking Water	292131	06/30/22 10:53	1.0	1	
019	met06_master	XMSD	QC997787	Drinking Water	292131	06/30/22 10:56	1.0	1	
020	met06_master	XCCV				06/30/22 11:03	1.0	10 1	
021	met06_master	ICB				06/30/22 11:10	1.0	1	
022	met06_master	MSS	464960-001	Drinking Water	292131	06/30/22 11:13	1.0	1	
023	met06_master	MS	QC997786	Drinking Water	292131	06/30/22 11:16	1.0	1	
024	met06_master	MSD	QC997787	Drinking Water	292131	06/30/22 11:20	1.0	1	
025	met06_master	CCV/LCS	QC997785	Drinking Water	292131	06/30/22 11:23	1.0	10 1	
026	met06_master	CCB/MB	QC997784	Drinking Water	292131	06/30/22 11:26	1.0	1	
027	met06_master	SAMPLE	465054-001	Drinking Water	292131	06/30/22 11:32	1.0	1	
028	met06_master	SAMPLE	464406-001	TCLP Leachate	292096	06/30/22 11:39	100.0	1	
029	met06_master	CCV				06/30/22 11:42	1.0	10 1	
030	met06_master	CCB				06/30/22 11:45	1.0	1	
031	met06_master	BLANK	QC997656	Water	292083	06/30/22 12:23	1.0	1	
032	met06_master	LCS	QC997657	Water	292083	06/30/22 12:27	1.0	1	
033	met06_master	SAMPLE	464671-001	Water	292083	06/30/22 12:30	1.0	1	1:SULFUR=460
034	met06_master	MSS	464947-001	Water	292083	06/30/22 12:33	1.0	1	1:SULFUR=270
035	met06_master	MS	QC997658	Water	292083	06/30/22 12:36	1.0	1	1:SULFUR=270
036	met06_master	MSD	QC997659	Water	292083	06/30/22 12:40	1.0	1	1:SULFUR=280
037	met06_master	SAMPLE	464957-001	Water	292083	06/30/22 12:43	1.0	1	1:SULFUR=480
038	met06_master	SAMPLE	464958-001	Water	292083	06/30/22 12:46	1.0	1	1:SULFUR=470
039	met06_master	SAMPLE	464988-001	Water	292083	06/30/22 12:50	1.0	1	
040	met06_master	CCV				06/30/22 12:53	1.0	10 1	
041	met06_master	CCB				06/30/22 12:56	1.0	1	
042	met06_master	BLANK	QC997988	Wipe	292192	06/30/22 14:11	1.0	1	
043	met06_master	BS	QC997989	Wipe	292192	06/30/22 14:14	1.0	1	
044	met06_master	BSD	QC997990	Wipe	292192	06/30/22 14:17	1.0	1	
045	met06_master	SAMPLE	465031-002	Wipe	292192	06/30/22 14:20	1.0	1	
046	met06_master	SAMPLE	465031-004	Wipe	292192	06/30/22 14:24	1.0	1	
047	met06_master	SAMPLE	465031-006	Wipe	292192	06/30/22 14:27	1.0	1	
048	met06_master	BLANK	QC998001	WET Leachate	292038	06/30/22 14:30	1.0	1	
049	met06_master	BS	QC998002	WET Leachate	292038	06/30/22 14:33	1.0	1	
050	met06_master	BSD	QC998003	WET Leachate	292038	06/30/22 14:37	1.0	1	
051	met06_master	SAMPLE	464403-001	WET Leachate	292038	06/30/22 14:40	1.0	1	
052	met06_master	CCV				06/30/22 14:43	1.0	10 1	

Enthalpy Sequence Summary for Sequence 482261233

Instrument : MET06 Begun : 06/30/22 09:53
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met06_master	CCB				06/30/22 14:46	1.0	1	
054	met06_master	SAMPLE	464403-002	WET Leachate	292038	06/30/22 14:50	1.0	1	
055	met06_master	SAMPLE	464403-003	WET Leachate	292038	06/30/22 14:53	1.0	1	
056	met06_master	SAMPLE	464403-004	WET Leachate	292038	06/30/22 14:56	1.0	1	
057	met06_master	SAMPLE	464406-001	WET Leachate	292038	06/30/22 14:59	1.0	1	1:SN=79
058	met06_master	SAMPLE	464895-001	WET Leachate	292038	06/30/22 15:03	1.0	1	
059	met06_master	BLANK	QC997895	Water	292163	06/30/22 15:06	1.0	1	
060	met06_master	LCS	QC997896	Water	292163	06/30/22 15:09	1.0	1	
061	met06_master	MSS	465002-001	Water	292163	06/30/22 15:13	1.0	1	2:NA=3000
062	met06_master	MS	QC997897	Water	292163	06/30/22 15:16	1.0	1	2:NA=2900
063	met06_master	MSD	QC997898	Water	292163	06/30/22 15:19	1.0	1	2:NA=3000
064	met06_master	CCV				06/30/22 15:22	1.0	10 1	
065	met06_master	CCB				06/30/22 15:26	1.0	1	
066	met06_master	BLANK	QC997915	Water	292171	06/30/22 15:29	1.0	1	
067	met06_master	LCS	QC997916	Water	292171	06/30/22 15:32	1.0	1	
068	met06_master	SAMPLE	464990-001	Water	292171	06/30/22 15:35	1.0	1	
069	met06_master	SAMPLE	464990-002	Water	292171	06/30/22 15:39	1.0	1	
070	met06_master	SAMPLE	464990-003	Water	292171	06/30/22 15:42	1.0	1	
071	met06_master	SAMPLE	464990-004	Water	292171	06/30/22 15:45	1.0	1	
072	met06_master	SAMPLE	464990-005	Water	292171	06/30/22 15:48	1.0	1	
073	met06_master	SAMPLE	464990-006	Water	292171	06/30/22 15:52	1.0	1	
074	met06_master	SAMPLE	464990-007	Water	292171	06/30/22 15:55	1.0	1	
075	met06_master	MSS	465040-012	Water	292171	06/30/22 15:58	1.0	1	
076	met06_master	CCV				06/30/22 16:01	1.0	10 1	

KLN 06/30/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 1 through 65.

Standards used: 1=S13369 2=S16950 3=S16949 4=S16948 5=S16947 6=S16645 7=S16518 8=S16675 9=S16519 10=S16870 11=S16646 12=S16520 13=S16601

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 465031-002	Client ID	: DOOR-N-0.3GW-DG-11 TO 25-220628-L-LA
Seqnum	: 482261233045	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 292192	Time	: 30-JUN-2022 14:20
Cal	: 482261233001	Caldate	: 30-JUN-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.03 ft2 --> 100.0 ml = 97.31 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.5133	50	0.97	0.11	!<a- u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1545938	1641634	6.19

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 465031-002,292192	Sample Type: Unknown Sample		
Measure Date: 2022-06-30 14:20:52	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	54347.36800	4158.42200	5060.53740	12456.52500	11714.85100	66129.40600	9089.74480
Int RSD	*0.16102291*	*3.07335427*	*0.55103205*	*0.31576271*	*0.46658224*	*0.31923118*	*0.29217088*
Int SD	*87.51171500*	*127.80304000*	*27.88518300*	*39.33306100*	*54.65941400*	*211.10568000*	*26.55758700*
RelInt Mean	0.00004304	0.00565128	-0.00001875	0.00307491	0.00220459	0.21438666	0.00085898
RelInt RSD	*12.29230118*	*2.83167070*	*126.04963146*	*1.49599756*	*3.08758586*	*0.48255101*	*1.02442868*
RelInt SD	*0.00000529*	*0.00016003*	*0.00002364*	*0.00004600*	*0.00006807*	*0.00103453*	*0.00000880*
Conc Mean	<0.00048459[mg/l]	0.51568716[mg/l]	<0.00249674[mg/l]	0.04136272[mg/l]	0.00694824[mg/l]	14.01778700[mg/l]	0.00491194[mg/l]
Conc RSD	*50.30857268*	*3.00941602*	*56.93608091*	*1.72644213*	*3.12613433*	*0.48768356*	*1.06401795*
Conc SD	*0.00024379[mg/l]*	*0.01551917[mg/l]*	*0.00142154[mg/l]*	*0.00071410[mg/l]*	*0.00021721[mg/l]*	*0.06836244[mg/l]*	*0.00005226[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	11822.21800	286263	15853512	2965.83460	4630.79940	421079	5856.16810
Int RSD	*0.20136518*	*1.15830617*	*0.46769824*	*4.87226395*	*1.33444627*	*0.19453612*	*1.72752418*
Int SD	*23.80583000*	*3315.80710*	*74146.59700*	*144.50329000*	*61.79553000*	*819.15126000*	*101.16672000*
RelInt Mean	0.00286058	0.00717757	9.70851520	0.00834899	0.00616346	0.25252949	0.00026232
RelInt RSD	*1.43724522*	*1.21325765*	*0.73711886*	*5.72640268*	*4.24981686*	*0.76252730*	*25.91180372*
RelInt SD	*0.00004111*	*0.00008708*	*0.07156330*	*0.00047810*	*0.00026194*	*0.00192561*	*0.00006797*
Conc Mean	0.02216084[mg/l]	0.24731944[mg/l]	38.67870400[mg/l]	6.79422000[mg/l]	1.82851600[mg/l]	0.19815434[mg/l]	0.00219327[mg/l]
Conc RSD	*1.46235174*	*1.23944741*	*0.73717080*	*5.79847709*	*4.44844404*	*0.76292409*	*23.94276969*
Conc SD	*0.00032407[mg/l]*	*0.00306539[mg/l]*	*0.28512811[mg/l]*	*0.39396129[mg/l]*	*0.08134051[mg/l]*	*0.00151177[mg/l]*	*0.00052513[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	59666.88900	27632.48300	34768.66900	6671.43610	4894.15000	8438.41810	6190.66000
Int RSD	*0.40048565*	*1.14992685*	*0.43525511*	*1.30429675*	*0.26199869*	*0.30635958*	*0.63181270*
Int SD	*238.95733000*	*317.75334000*	*151.33241000*	*87.01532400*	*12.82260900*	*25.85190200*	*39.11337600*
RelInt Mean	0.16149391	0.01192519	0.01638904	0.00046489	-0.00001291	0.00165232	0.01368665
RelInt RSD	*0.92165748*	*0.96222131*	*0.86829692*	*12.76490435*	*99.81237553*	*0.31959936*	*0.86943509*
RelInt SD	*0.00148842*	*0.00011475*	*0.00014231*	*0.00005934*	*0.00001289*	*0.00000528*	*0.00011900*
Conc Mean	7.15693480[mg/l]	0.10599638[mg/l]	0.51328588[mg/l]	0.02640232[mg/l]	<0.00043999[mg/l]	0.03116180[mg/l]	0.01321783[mg/l]
Conc RSD	*0.93800785*	*0.97455092*	*0.86756787*	*11.93110696*	*203.96036204*	*0.32393959*	*0.85462125*
Conc SD	*0.06713261[mg/l]*	*0.00103299[mg/l]*	*0.00445310[mg/l]*	*0.00315009[mg/l]*	*0.00089740[mg/l]*	*0.00010095[mg/l]*	*0.00011296[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	204132	5443.21290	13833.98000	1641634	33238192	308999	325190
Int RSD	*3.31804990*	*0.34932163*	*0.84778220*	*0.83661326*	*0.32203385*	*0.68293697*	*0.46920073*
Int SD	*6773.19730*	*19.01432000*	*117.28202000*	*13734.12600*	*107038*	*2110.26990*	*1525.79250*
RelInt Mean	0.00443079	0.00015558	0.00003818	---	---	---	0.19585130
RelInt RSD	*4.72614921*	*10.29181843*	*16.37632684*	---	---	---	*0.37094629*
RelInt SD	*0.00020941*	*0.00001601*	*0.00000625*	---	---	---	*0.00072650*
Conc Mean	0.04340530[mg/l]	0.02324639[mg/l]	<0.00230134[mg/l]	1631994	33158834	306812	0.71585779[mg/l]
Conc RSD	*4.72387772*	*8.43290781*	*51.39745486*	---	---	---	*0.37122363*
Conc SD	*0.00205041[mg/l]*	*0.00196035[mg/l]*	*0.00118283[mg/l]*	*13772.69000*	*106951*	*2125.69500*	*0.00265743[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	280.85928000	7923.85440	116539	15722.07400	7900.66670	83297.84600	
Int RSD	*21.59434219*	*0.80028457*	*0.45944874*	*0.23533111*	*0.44493694*	*0.21929555*	
Int SD	*60.64971400*	*63.41338400*	*535.43756000*	*36.99893100*	*35.15298500*	*182.66847000*	
RelInt Mean	-0.00038506	0.00148152	0.06656979	0.00642685	0.00004402	0.04761716	
RelInt RSD	*14.76284990*	*8.41789538*	*0.30960727*	*1.08540831*	*75.25038531*	*0.77969114*	
RelInt SD	*0.00005685*	*0.00012471*	*0.00020610*	*0.00006976*	*0.00003312*	*0.00037127*	
Conc Mean	<-0.00073018[mg/l]	<0.01156682[mg/l]	1.20118590[mg/l]	0.22285165[mg/l]	<-0.00004430[mg/l]	4.04178090[mg/l]	
Conc RSD	*29.84882700*	*11.01213877*	*0.31450111*	*1.12183957*	*300.29862436*	*0.77890981*	
Conc SD	*0.00021795[mg/l]*	*0.00127375[mg/l]*	*0.00377774[mg/l]*	*0.00250004[mg/l]*	*0.00013304[mg/l]*	*0.03148183[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 465031-004	Client ID	: DOOR-N-0.7GW-DG-11 TO 25-220628-L-LA
Seqnum	: 482261233046	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 292192	Time	: 30-JUN-2022 14:24
Cal	: 482261233001	Caldate	: 30-JUN-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.03 ft2 --> 100.0 ml = 97.31 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.7297	71	0.97	0.11	!<a- u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1545938	1649325	6.69

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 465031-004,292192			Sample Type: Unknown Sample
Measure Date: 2022-06-30 14:24:06	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	54693.35300	4865.66660	5363.74920	11904.57600	11875.28100	52261.73100	9366.04140
Int RSD	*0.82861543*	*2.32331455*	*0.82558370*	*0.76652840*	*0.23845629*	*0.86652457*	*0.16776291*
Int SD	*453.19756000*	*113.04474000*	*44.28223900*	*91.25195600*	*28.31735400*	*452.86074000*	*15.71274400*
RelInt Mean	0.00003651	0.00809853	0.00004049	0.00267487	0.00224325	0.16956755	0.00098831
RelInt RSD	*8.44537856*	*5.15779397*	*71.62597693*	*1.28976450*	*1.75994303*	*0.85774519*	*1.99268083*
RelInt SD	*0.00000308*	*0.00041771*	*0.00002900*	*0.00003450*	*0.00003948*	*0.00145446*	*0.00001969*
Conc Mean	<0.00018342[mg/l]	0.75301981[mg/l]	0.00605931[mg/l]	0.03515251[mg/l]	0.00707622[mg/l]	11.05610100[mg/l]	0.00567531[mg/l]
Conc RSD	*77.45173245*	*5.37951080*	*28.78598436*	*1.52353782*	*1.78095895*	*0.86930894*	*2.01012393*
Conc SD	*0.00014206[mg/l]*	*0.04050878[mg/l]*	*0.00174423[mg/l]*	*0.00053556[mg/l]*	*0.00012602[mg/l]*	*0.09611167[mg/l]*	*0.00011408[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	12133.02900	293436	17012173	2444.75870	5153.87780	477046	5735.55920
Int RSD	*1.24111770*	*1.08504473*	*0.62805087*	*1.38391184*	*2.46545038*	*0.01517750*	*0.86042602*
Int SD	*150.58517000*	*3183.90720*	*106845*	*33.83330500*	*127.06630000*	*72.40363300*	*49.35024400*
RelInt Mean	0.00301022	0.00738503	10.37008400	0.00667175	0.00755762	0.28544109	0.00012742
RelInt RSD	*2.75061650*	*1.22458868*	*0.73721659*	*1.50847612*	*3.31929863*	*0.55447080*	*31.51713676*
RelInt SD	*0.00008280*	*0.00009044*	*0.07644998*	*0.00010064*	*0.00025086*	*0.00158269*	*0.00004016*
Conc Mean	0.02334035[mg/l]	0.25462232[mg/l]	41.31458100[mg/l]	5.41213910[mg/l]	2.26145320[mg/l]	0.22399270[mg/l]	0.00115110[mg/l]
Conc RSD	*2.79623667*	*1.25026643*	*0.73726540*	*1.53231027*	*3.44473708*	*0.55472611*	*26.95382044*
Conc SD	*0.00065265[mg/l]*	*0.00318346[mg/l]*	*0.30459811[mg/l]*	*0.08293076[mg/l]*	*0.07790112[mg/l]*	*0.00124255[mg/l]*	*0.00031027[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	60268.82300	31367.26400	46305.98100	6399.45350	5024.39540	9190.13010	5801.97710
Int RSD	*0.37390875*	*0.30304216*	*0.44346522*	*0.05300241*	*1.45118547*	*0.82157956*	*2.27607189*
Int SD	*225.35040000*	*95.05603500*	*205.35092000*	*3.39186440*	*72.91329600*	*75.50423000*	*132.05717000*
RelInt Mean	0.16313709	0.01411302	0.02330292	0.00025102	-0.00000906	0.00189767	0.01243620
RelInt RSD	*0.43920921*	*1.04279296*	*0.39521672*	*6.35586864*	*464.39665795*	*1.83390801*	*1.65301724*
RelInt SD	*0.00071651*	*0.00014717*	*0.00009210*	*0.00001595*	*0.00004205*	*0.00003480*	*0.00020557*
Conc Mean	7.23104780[mg/l]	0.12569194[mg/l]	0.72966187[mg/l]	0.01503748[mg/l]	<0.00070845[mg/l]	0.03585179[mg/l]	0.01203079[mg/l]
Conc RSD	*0.44692241*	*1.05405709*	*0.39559772*	*5.61128427*	*413.38022911*	*1.85556019*	*1.62207185*
Conc SD	*0.03231717[mg/l]*	*0.00132486[mg/l]*	*0.00288653[mg/l]*	*0.00084380[mg/l]*	*0.00292859[mg/l]*	*0.00066525[mg/l]*	*0.00019515[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	215024	5712.05810	13831.79400	1649325	33227821	308443	324890
Int RSD	*3.10823577*	*0.19056765*	*1.07981835*	*0.55782620*	*0.11843796*	*0.44624123*	*0.31228633*
Int SD	*6683.44480*	*10.88533500*	*149.35825000*	*9200.36690*	*39354.35200*	*1376.39800*	*1014.58790*
RelInt Mean	0.00475038	0.00017558	0.00003577	---	---	---	0.19472473
RelInt RSD	*4.45826115*	*9.00400918*	*4.23591419*	---	---	---	*0.24967759*
RelInt SD	*0.00021178*	*0.00001581*	*0.00000152*	---	---	---	*0.00048618*
Conc Mean	0.04653451[mg/l]	0.02568391[mg/l]	<0.00184566[mg/l]	1639565	33148172	306213	0.71173612[mg/l]
Conc RSD	*4.45626289*	*7.53863246*	*15.53933235*	---	---	---	*0.24990978*
Conc SD	*0.00207370[mg/l]*	*0.00193622[mg/l]*	*0.00028680[mg/l]*	*9156.89000*	*39840.93600*	*1372.84060*	*0.00177870[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	383.79285000	8014.00440	151161	18819.13900	7933.18180	72079.94000	
Int RSD	*19.22596135*	*2.09005238*	*0.19613306*	*0.42834418*	*0.68161143*	*0.27968822*	
Int SD	*73.78786500*	*167.49689000*	*296.47716000*	*80.61068600*	*54.07347400*	*201.59910000*	
RelInt Mean	0.00008235	0.00123421	0.08734357	0.00812396	0.00002152	0.04046144	
RelInt RSD	*419.74987522*	*11.40015347*	*0.78797124*	*0.14429030*	*123.00384228*	*0.39192102*	
RelInt SD	*0.00034567*	*0.00014070*	*0.00068824*	*0.00001172*	*0.00002646*	*0.00015858*	
Conc Mean	<0.00106191[mg/l]	<0.00904097[mg/l]	1.58250820[mg/l]	0.28367420[mg/l]	<-0.00014819[mg/l]	3.43500590[mg/l]	
Conc RSD	*124.80640471*	*15.89502223*	*0.79782000*	*0.14809600*	*75.53957359*	*0.39145848*	
Conc SD	*0.00132533[mg/l]*	*0.00143706[mg/l]*	*0.01262557[mg/l]*	*0.00042011[mg/l]*	*0.00011194[mg/l]*	*0.01344662[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 465031-006	Client ID	: DOOR-N-0.5GE-INT-25 TO 26-220628-L-CB
Seqnum	: 482261233047	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 292192	Time	: 30-JUN-2022 14:27
Cal	: 482261233001	Caldate	: 30-JUN-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.928	190	1.0	0.11	!<a- u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1545938	1645704	6.45

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 465031-006,292192			Sample Type: Unknown Sample
Measure Date: 2022-06-30 14:27:20	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	54800.45500	8148.50590	5532.45670	11661.45700	13280.62000	70621.28600	10455.92300
Int RSD	*0.42380561*	*0.60713520*	*0.68180423*	*0.92318533*	*0.61968906*	*0.73572382*	*0.31168158*
Int SD	*232.24740000*	*49.47244800*	*37.72052400*	*107.65686000*	*82.29854900*	*519.57762000*	*32.58918600*
RelInt Mean	0.00003245	0.01860798	0.00020771	0.00244625	0.00304475	0.22994353	0.00160648
RelInt RSD	*21.13231833*	*1.74660721*	*8.96012298*	*4.16816426*	*2.53631844*	*1.39802355*	*0.82559051*
RelInt SD	*0.00000686*	*0.00032501*	*0.00001861*	*0.00010196*	*0.00007722*	*0.00321466*	*0.00001326*
Conc Mean	<-0.00000340[mg/l]	1.77221850[mg/l]	0.01612096[mg/l]	0.03160351[mg/l]	0.00964930[mg/l]	15.04579800[mg/l]	0.00922846[mg/l]
Conc RSD	*9281.46382*	*1.77850643*	*6.94185129*	*5.00850190*	*2.56545958*	*1.41187553*	*0.85919259*
Conc SD	*0.00031599[mg/l]*	*0.03151902[mg/l]*	*0.00111909[mg/l]*	*0.00158286[mg/l]*	*0.00024755[mg/l]*	*0.21242794[mg/l]*	*0.00007929[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	11323.69800	288158	22669564	2361.15180	5484.80610	663306	5850.51850
Int RSD	*0.86408233*	*1.10297458*	*0.53158702*	*0.81220026*	*2.00296689*	*0.15381844*	*0.65347740*
Int SD	*97.84607300*	*3178.31180*	*120508*	*19.17728100*	*109.85885000*	*1020.28700*	*38.23181600*
RelInt Mean	0.00244449	0.00723001	13.85222400	0.00645038	0.00828781	0.39982502	0.00016011
RelInt RSD	*2.16447470*	*0.77812524*	*0.63086772*	*3.45632649*	*2.16904125*	*0.83925073*	*23.08139062*
RelInt SD	*0.00005291*	*0.00005626*	*0.08738921*	*0.00022295*	*0.00017977*	*0.00335553*	*0.00003696*
Conc Mean	0.01888112[mg/l]	0.24916537[mg/l]	55.18840100[mg/l]	5.22972400[mg/l]	2.48820330[mg/l]	0.31379368[mg/l]	0.00140361[mg/l]
Conc RSD	*2.20884966*	*0.79479857*	*0.63089857*	*3.51284121*	*2.24354011*	*0.83952497*	*20.34066685*
Conc SD	*0.00041706[mg/l]*	*0.00198036[mg/l]*	*0.34818283[mg/l]*	*0.18371190[mg/l]*	*0.05582384[mg/l]*	*0.00263438[mg/l]*	*0.00028550[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	54750.44400	22380.63400	109019	6303.57730	4947.25330	7708.01750	6714.25580
Int RSD	*0.56454432*	*0.50858349*	*0.18341909*	*0.84526999*	*1.19261872*	*0.36483712*	*1.86809371*
Int SD	*309.09052000*	*113.82421000*	*199.96127000*	*53.28224700*	*59.00186900*	*28.12170900*	*125.42859000*
RelInt Mean	0.14542837	0.00860649	0.06160363	0.00018146	-0.00005542	0.00115888	0.01570306
RelInt RSD	*1.31651225*	*1.26055859*	*0.71711302*	*21.66023652*	*54.43736715*	*1.07190313*	*2.06976169*
RelInt SD	*0.00191458*	*0.00010849*	*0.00044177*	*0.00003931*	*0.00003017*	*0.00001242*	*0.00032502*
Conc Mean	6.43232430[mg/l]	0.07612040[mg/l]	1.92837650[mg/l]	0.01136983[mg/l]	<-0.00252033[mg/l]	0.02172936[mg/l]	0.01513200[mg/l]
Conc RSD	*1.34250394*	*1.28304565*	*0.71731231*	*18.33728311*	*83.36042700*	*1.09278525*	*2.03895831*
Conc SD	*0.08635421[mg/l]*	*0.00097666[mg/l]*	*0.01383248[mg/l]*	*0.00208492[mg/l]*	*0.00210096[mg/l]*	*0.00023746[mg/l]*	*0.00030854[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	454052	5580.08030	14589.98300	1645704	33144409	308063	342721
Int RSD	*3.09951597*	*0.36569990*	*1.36251180*	*0.67409111*	*0.66490032*	*0.74908343*	*0.38537091*
Int SD	*14073.40000*	*20.40634800*	*198.79024000*	*11093.54300*	*220377*	*2307.64740*	*1320.74760*
RelInt Mean	0.01196992	0.00014953	0.00005220	---	---	---	0.20600505
RelInt RSD	*3.06572615*	*11.36955268*	*7.31614686*	---	---	---	*0.84955752*
RelInt SD	*0.00036697*	*0.00001700*	*0.00000382*	---	---	---	*0.00175013*
Conc Mean	0.11722523[mg/l]	0.02232292[mg/l]	0.00495415[mg/l]	1635776	33063692	305835	0.75300273[mg/l]
Conc RSD	*3.06517820*	*9.31162494*	*14.58553836*	---	---	---	*0.85020636*
Conc SD	*0.00359316[mg/l]*	*0.00207863[mg/l]*	*0.00072259[mg/l]*	*11057.51200*	*220330*	*2363.99550*	*0.00640208[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	262.67960000	7989.88270	269367	19211.57800	8003.92440	70173.25500	
Int RSD	*5.32422617*	*2.15922131*	*0.60729188*	*1.15240091*	*0.37887312*	*0.45002963*	
Int SD	*13.98565600*	*172.51925000*	*1635.84660*	*221.39440000*	*30.32471800*	*315.80044000*	
RelInt Mean	-0.00015682	0.00104229	0.15952819	0.00850309	-0.00004787	0.03943276	
RelInt RSD	*116.08588182*	*46.97019520*	*0.97869637*	*1.65717750*	*68.09371842*	*0.76747649*	
RelInt SD	*0.00018204*	*0.00048957*	*0.00156130*	*0.00014091*	*0.00003260*	*0.00030264*	
Conc Mean	<0.00014491[mg/l]	<0.00708077[mg/l]	2.90743810[mg/l]	0.29726170[mg/l]	<-0.00046517[mg/l]	3.34777830[mg/l]	
Conc RSD	*481.64447800*	*70.61649228*	*0.98544052*	*1.69887496*	*29.15399891*	*0.76654873*	
Conc SD	*0.00069797[mg/l]*	*0.00500019[mg/l]*	*0.02865107[mg/l]*	*0.00505010[mg/l]*	*0.00013561[mg/l]*	*0.02566235[mg/l]*	

ENTHALPY BLANK USER REPORT FOR 465031 METALS Wipe
EPA 6010B

Inst : MET06 Lab ID : QC997988
Seqnum : 482261233042.1 Matrix : Wipe
File : met06_master Batch : 292192 Time : 30-JUN-2022 14:11
Cal : 482261233001 Caldate : 30-JUN-2022
IDF : 1.0 Raw Units : mg/l Units : ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Flags
Lead	A	0.001068	ND	1.0	!<a- u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	1545938	1712289	10.76

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BLANK,QC997988,292192			Sample Type: Unknown Sample
Measure Date: 2022-06-30 14:11:08	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	54071.18600	2258.75150	3753.97040	15036.18900	7962.55890	2066.76350	7332.09600
Int RSD	*0.78822127*	*3.01141967*	*0.62901700*	*1.91179174*	*0.21294872*	*0.75118488*	*0.57552439*
Int SD	*426.20059000*	*68.02048700*	*23.61311200*	*287.46062000*	*16.95616700*	*15.52521500*	*42.19800100*
RelInt Mean	0.00004146	0.00061811	-0.00008889	0.00470583	0.00017815	0.00561364	-0.00001238
RelInt RSD	*12.56718072*	*42.84299230*	*18.69637932*	*4.20950098*	*9.13571715*	*3.05135032*	*265.43422924*
RelInt SD	*0.00000521*	*0.00026482*	*0.00001662*	*0.00019809*	*0.00001628*	*0.00017129*	*0.00003286*
Conc Mean	<0.00041192[mg/l]	<0.02757369[mg/l]	<-0.00170289[mg/l]	0.06668067[mg/l]	0.00044607[mg/l]	0.22188444[mg/l]	<-0.00019437[mg/l]
Conc RSD	*58.28985821*	*93.13829621*	*58.69536851*	*4.61173183*	*11.83661324*	*5.10135727*	*100.39864867*
Conc SD	*0.00024011[mg/l]*	*0.02568167[mg/l]*	*0.00099952[mg/l]*	*0.00307513[mg/l]*	*0.00005280[mg/l]*	*0.01131912[mg/l]*	*0.00019515[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6899.38090	53215.86200	14554.72300	525.27035000	2741.06170	10538.01000	4942.24380
Int RSD	*0.68765083*	*0.32035736*	*0.92242436*	*20.04567362*	*0.53495443*	*0.31625095*	*0.98990995*
Int SD	*47.44365000*	*170.48093000*	*134.25631000*	*105.29398000*	*14.66343100*	*33.32655700*	*48.92376300*
RelInt Mean	0.00009768	0.00017934	0.00362288	0.00039605	-0.00008616	0.00138147	0.00005812
RelInt RSD	*18.63536769*	*3.93096677*	*3.09246578*	*53.55677621*	*113.51543665*	*1.24992184*	*59.47277913*
RelInt SD	*0.00001820*	*0.00000705*	*0.00011204*	*0.00021211*	*0.00009780*	*0.00001727*	*0.00003457*
Conc Mean	0.00038288[mg/l]	<0.00097401[mg/l]	0.01169269[mg/l]	<0.24083795[mg/l]	<-0.11221555[mg/l]	0.00098208[mg/l]	<0.00061571[mg/l]
Conc RSD	*37.47657530*	*25.47807816*	*3.81763039*	*72.57292300*	*27.06441843*	*1.38035686*	*43.37410999*
Conc SD	*0.00014349[mg/l]*	*0.00024816[mg/l]*	*0.00044638[mg/l]*	*0.17478314[mg/l]*	*0.03037049[mg/l]*	*0.00001356[mg/l]*	*0.00026706[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	13410.56800	8094.02450	7674.69870	5465.80380	4182.37140	4148.68210	2035.74650
Int RSD	*1.31906844*	*0.62648246*	*0.47886703*	*0.41966250*	*0.90523484*	*0.55777270*	*3.69716003*
Int SD	*176.89457000*	*50.70764400*	*36.75160200*	*22.93792900*	*37.86028300*	*23.14021600*	*75.26480600*
RelInt Mean	0.00989571	0.00019375	0.00002258	0.00005710	0.00002683	0.00021140	0.00030679
RelInt RSD	*6.98431069*	*9.91977622*	*101.37488470*	*26.93202003*	*81.96108535*	*9.31032012*	*101.35593349*
RelInt SD	*0.00069115*	*0.00001922*	*0.00002289*	*0.00001538*	*0.00002199*	*0.00001968*	*0.00031095*
Conc Mean	0.31934181[mg/l]	<0.00038630[mg/l]	<0.00106810[mg/l]	0.00487375[mg/l]	<0.00320778[mg/l]	0.00361777[mg/l]	<0.00051643[mg/l]
Conc RSD	*9.76166478*	*44.78934091*	*66.61839323*	*16.73990133*	*47.74681278*	*10.39968860*	*57.15805576*
Conc SD	*0.03117308[mg/l]*	*0.00017302[mg/l]*	*0.00071155[mg/l]*	*0.00081586[mg/l]*	*0.00153161[mg/l]*	*0.00037624[mg/l]*	*0.00029518[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	59341.07300	3933.09970	12940.02800	1712289	35021657	321126	6688.37300
Int RSD	*0.73288702*	*0.39069549*	*0.58564498*	*0.71049644*	*0.51934410*	*0.29966032*	*0.73286171*
Int SD	*434.90302000*	*15.36644300*	*75.78262500*	*12165.75100*	*181883*	*962.28574000*	*49.01652500*
RelInt Mean	0.00007363	-0.00005739	0.00002328	---	---	---	0.00091418
RelInt RSD	*26.35676966*	*22.45598257*	*19.98611104*	---	---	---	*3.30325745*
RelInt SD	*0.00001941*	*0.00001289*	*0.00000465*	---	---	---	*0.00003020*
Conc Mean	0.00074186[mg/l]	<-0.00264984[mg/l]	<-0.00051787[mg/l]	1703091	34942585	318914	0.00277196[mg/l]
Conc RSD	*25.61571803*	*59.41013273*	*169.95431347*	---	---	---	*3.98340815*
Conc SD	*0.00019003[mg/l]*	*0.00157428[mg/l]*	*0.00088015[mg/l]*	*12156.67500*	*181656*	*953.98998000*	*0.00011042[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	287.46772000	8126.03190	15375.37000	4506.27550	7544.95940	5132.90880	
Int RSD	*8.68055586*	*2.40442817*	*0.61393458*	*0.32392403*	*0.03792323*	*1.37988927*	
Int SD	*24.95379600*	*195.38460000*	*94.39471300*	*14.59690900*	*2.86129200*	*70.82845800*	
RelInt Mean	-0.00015100	0.00151918	0.00465244	0.00043243	0.00012641	0.00034049	
RelInt RSD	*29.68514364*	*32.02805317*	*2.35185213*	*1.52135864*	*19.36904733*	*12.89846032*	
RelInt SD	*0.00004482*	*0.00048656*	*0.00010942*	*0.00000658*	*0.00002449*	*0.00004392*	
Conc Mean	<0.00016721[mg/l]	<0.01195146[mg/l]	0.06473976[mg/l]	0.00801802[mg/l]	0.00030394[mg/l]	0.03291982[mg/l]	
Conc RSD	*102.78283396*	*41.58084733*	*3.09487560*	*2.94057111*	*32.30730642*	*11.31246416*	
Conc SD	*0.00017186[mg/l]*	*0.00496952[mg/l]*	*0.00200362[mg/l]*	*0.00023578[mg/l]*	*0.00009819[mg/l]*	*0.00372404[mg/l]*	

ENTHALPY SPIKE USER REPORT FOR 465031 METALS Wipe
EPA 6010B

Type : BS
Inst : MET06
Seqnum : 482261233043.1
File : met06_master
IDF : 1.0
Lab ID : QC997989
Matrix : Wipe
Batch : 292192
Time : 30-JUN-2022 14:14
Cal : 482261233001
Units : ug/ft2

Type : BSD
Inst : MET06
Seqnum : 482261233044.1
File : met06_master
IDF : 1.0
Lab ID : QC997990
Matrix : Wipe
Batch : 292192
Time : 30-JUN-2022 14:17
Cal : 482261233001

BS: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF
BSD: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Lead	100.0	1.099	109.9	A	110	1.089	108.9	A	109	80-120	1	20	!<a- u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	1545938	1651666	6.84

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	1545938	1647645	6.58

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BS,QC997989,292192			Sample Type: Unknown Sample
Measure Date: 2022-06-30 14:14:23	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	420855	5839.00070	31901.89300	113883	552230	7134.38200	307113
Int RSD	*1.17307807*	*1.93355483*	*0.15169989*	*0.18381591*	*0.29128792*	*1.99846756*	*0.45861889*
Int SD	*4936.95690*	*112.90028000*	*48.39513800*	*209.33583000*	*1608.58060*	*142.57831000*	*1408.48030*
RelInt Mean	0.01106252	0.01207441	0.01693760	0.06489913	0.33136448	0.02240615	0.18221066
RelInt RSD	*0.74071860*	*2.79757507*	*0.17788460*	*0.13565824*	*0.16002918*	*1.92551800*	*0.31020220*
RelInt SD	*0.00008194*	*0.00033779*	*0.00003013*	*0.00008804*	*0.00053028*	*0.00043143*	*0.00056522*
Conc Mean	0.50824518[mg/l]	1.13859780[mg/l]	1.02152120[mg/l]	1.00110780[mg/l]	1.06018460[mg/l]	1.33154800[mg/l]	1.08116560[mg/l]
Conc RSD	*0.74290044*	*2.87710691*	*0.17744339*	*0.13651969*	*0.16069533*	*2.14108376*	*0.30938084*
Conc SD	*0.00377576[mg/l]*	*0.03275868[mg/l]*	*0.00181262[mg/l]*	*0.00136671[mg/l]*	*0.00170367[mg/l]*	*0.02850956[mg/l]*	*0.00334492[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	222530	995625	457194	4224.88620	4039.57710	2254129	229757
Int RSD	*0.18690444*	*1.49301927*	*0.30144481*	*2.96540910*	*3.38983875*	*0.34451693*	*0.24572145*
Int SD	*415.91855000*	*14864.87300*	*1378.18860*	*125.28516000*	*136.93515000*	*7765.85460*	*564.56212000*
RelInt Mean	0.13104961	0.02856030	0.27306192	0.01241252	0.00368670	1.36720490	0.13678489
RelInt RSD	*0.03691491*	*0.92886496*	*0.12040356*	*1.96954817*	*2.08946171*	*0.16975654*	*0.09623230*
RelInt SD	*0.00004838*	*0.00026529*	*0.00032878*	*0.00024447*	*0.00007703*	*0.00232092*	*0.00013163*
Conc Mean	1.03258490[mg/l]	1.00001500[mg/l]	1.08521340[mg/l]	10.14264700[mg/l]	1.05939150[mg/l]	1.07326800[mg/l]	1.05691640[mg/l]
Conc RSD	*0.03692823*	*0.93382384*	*0.12070666*	*1.98615519*	*2.25801708*	*0.16977357*	*0.09621946*
Conc SD	*0.00038132[mg/l]*	*0.00933838[mg/l]*	*0.00130992[mg/l]*	*0.20144871[mg/l]*	*0.02392124[mg/l]*	*0.00182213[mg/l]*	*0.00101696[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	20637.47600	206500	65635.52800	36209.66100	23751.50500	4242.51800	334148
Int RSD	*0.98087688*	*0.28803168*	*0.32204507*	*0.76500736*	*0.71949601*	*0.88839736*	*0.62116858*
Int SD	*202.42823000*	*594.78537000*	*211.37598000*	*277.00657000*	*170.89113000*	*37.69041800*	*2075.62040*
RelInt Mean	0.03361505	0.12072700	0.03508926	0.01862436	0.01186192	0.00016251	1.09087030
RelInt RSD	*2.28650923*	*0.14381804*	*0.16856647*	*0.70708625*	*0.58268578*	*18.52250931*	*0.42761860*
RelInt SD	*0.00076861*	*0.00017363*	*0.00005915*	*0.00013169*	*0.00006912*	*0.00003010*	*0.00466476*
Conc Mean	1.38916430[mg/l]	1.08546440[mg/l]	1.09852990[mg/l]	0.98484315[mg/l]	0.82744576[mg/l]	<0.00268324[mg/l]	1.03578050[mg/l]
Conc RSD	*2.49552605*	*0.14399724*	*0.16812075*	*0.71015726*	*0.58174617*	*21.44458695*	*0.42752511*
Conc SD	*0.03466696[mg/l]*	*0.00156304[mg/l]*	*0.00184686[mg/l]*	*0.00699394[mg/l]*	*0.00481363[mg/l]*	*0.00057541[mg/l]*	*0.00442822[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3636739	17952.55200	195348	1651666	33160162	306684	486936
Int RSD	*1.42931610*	*0.44860772*	*1.49105910*	*0.18099218*	*0.78908553*	*0.45691439*	*0.36417324*
Int SD	*51980.49900*	*80.53653400*	*2912.75980*	*2989.38550*	*261662*	*1401.28530*	*1773.29210*
RelInt Mean	0.10800938	0.00832367	0.00552230	---	---	---	0.29317691
RelInt RSD	*0.86241800*	*0.54842045*	*1.02531353*	---	---	---	*0.20350707*
RelInt SD	*0.00093149*	*0.00004565*	*0.00005662*	---	---	---	*0.00059664*
Conc Mean	1.05760240[mg/l]	1.01536490[mg/l]	1.03945790[mg/l]	1642217	33080794	304402	1.07137310[mg/l]
Conc RSD	*0.86239620*	*0.55003829*	*1.03056507*	---	---	---	*0.20371058*
Conc SD	*0.00912072[mg/l]*	*0.00558490[mg/l]*	*0.01071229[mg/l]*	*2962.58810*	*261348*	*1384.94580*	*0.00218250[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	82327.97300	39824.79400	440338	4909.65950	407953	5264.22150	
Int RSD	*0.51598672*	*0.72883787*	*0.38039228*	*1.61298638*	*0.41984250*	*0.58194943*	
Int SD	*424.80141000*	*290.25818000*	*1675.01140*	*79.19213900*	*1712.75890*	*30.63510700*	
RelInt Mean	0.26909965	0.10475920	0.26325589	0.00060431	0.24347871	0.00034731	
RelInt RSD	*0.06842837*	*1.40327494*	*0.23153647*	*8.67388239*	*0.26203210*	*5.41065882*	
RelInt SD	*0.00018414*	*0.00147006*	*0.00060953*	*0.00005242*	*0.00063799*	*0.00001879*	
Conc Mean	1.03250550[mg/l]	1.06639390[mg/l]	4.78758570[mg/l]	0.01417797[mg/l]	0.97993838[mg/l]	0.03349834[mg/l]	
Conc RSD	*0.06837927*	*1.40796773*	*0.23345986*	*13.24984723*	*0.26326029*	*4.75685315*	
Conc SD	*0.00070602[mg/l]*	*0.01501448[mg/l]*	*0.01117709[mg/l]*	*0.00187856[mg/l]*	*0.00257979[mg/l]*	*0.00159347[mg/l]*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BSD,QC997990,292192			Sample Type: Unknown Sample
Measure Date: 2022-06-30 14:17:38	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	422843	5716.42360	31893.61900	113480	552083	6953.03000	306066
Int RSD	*0.89990164*	*2.19136682*	*1.07533074*	*0.43017184*	*0.44063333*	*0.97569274*	*0.46724726*
Int SD	*3805.16820*	*125.26781000*	*342.96189000*	*488.15763000*	*2432.66120*	*67.84020900*	*1430.08510*
RelInt Mean	0.01115847	0.01179925	0.01698214	0.06481566	0.33205974	0.02182916	0.18203556
RelInt RSD	*0.48828525*	*2.40723621*	*1.44660712*	*0.65329622*	*0.65850461*	*1.09418075*	*0.67310673*
RelInt SD	*0.00005449*	*0.00028404*	*0.00024566*	*0.00042344*	*0.00218663*	*0.00023885*	*0.00122529*
Conc Mean	0.51266607[mg/l]	1.11191260[mg/l]	1.02420230[mg/l]	0.99981191[mg/l]	1.06242040[mg/l]	1.29342010[mg/l]	1.08012700[mg/l]
Conc RSD	*0.48971386*	*2.47731809*	*1.44218120*	*0.65746095*	*0.65845304*	*1.22029030*	*0.67305222*
Conc SD	*0.00251060[mg/l]*	*0.02754561[mg/l]*	*0.01477085[mg/l]*	*0.00657337[mg/l]*	*0.00699554[mg/l]*	*0.01578348[mg/l]*	*0.00726982[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	221589	995777	457285	4097.03700	4080.63270	2240077	229024
Int RSD	*0.51104982*	*1.19441790*	*0.34148844*	*3.36975868*	*2.09104801*	*0.28917100*	*0.49064881*
Int SD	*1132.43130*	*11893.73800*	*1561.57500*	*138.06026000*	*85.32798900*	*6477.65420*	*1123.70210*
RelInt Mean	0.13081679	0.02865560	0.27378916	0.01199030	0.00397522	1.36197460	0.13668106
RelInt RSD	*0.68506488*	*0.68060470*	*0.53392559*	*2.58365779*	*4.79998651*	*0.10817581*	*0.69532939*
RelInt SD	*0.00089618*	*0.00019503*	*0.00146183*	*0.00030979*	*0.00019081*	*0.00147333*	*0.00095038*
Conc Mean	1.03074960[mg/l]	1.00336970[mg/l]	1.08811090[mg/l]	9.79472780[mg/l]	1.14898700[mg/l]	1.06916180[mg/l]	1.05611430[mg/l]
Conc RSD	*0.68532229*	*0.68422533*	*0.53526703*	*2.60621076*	*5.15700709*	*0.10818987*	*0.69522193*
Conc SD	*0.00706396[mg/l]*	*0.00686531[mg/l]*	*0.00582430[mg/l]*	*0.25527125[mg/l]*	*0.05925334[mg/l]*	*0.00115672[mg/l]*	*0.00734234[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	20132.54700	205971	64978.83200	36654.09700	23729.77100	4152.33690	333227
Int RSD	*0.92177944*	*0.50035318*	*0.56870356*	*0.80559827*	*0.97586576*	*0.80739205*	*0.40149281*
Int SD	*185.57768000*	*1030.58050*	*369.53693000*	*295.28477000*	*231.57071000*	*33.52563800*	*1337.88320*
RelInt Mean	0.03214431	0.12071432	0.03478702	0.01895236	0.01186342	0.00012093	1.08833610
RelInt RSD	*0.67759325*	*0.70876999*	*0.77725586*	*1.17110788*	*1.37301654*	*12.38512220*	*0.62439339*
RelInt SD	*0.00021781*	*0.00085559*	*0.00027038*	*0.00022195*	*0.00016289*	*0.00001498*	*0.00679550*
Conc Mean	1.32282900[mg/l]	1.08535020[mg/l]	1.08907450[mg/l]	1.00227240[mg/l]	0.82754960[mg/l]	<0.00188830[mg/l]	1.03337480[mg/l]
Conc RSD	*0.74264014*	*0.70966302*	*0.77697577*	*1.17223392*	*1.37079783*	*15.16151965*	*0.62425522*
Conc SD	*0.00982386[mg/l]*	*0.00770233[mg/l]*	*0.00846185[mg/l]*	*0.01174898[mg/l]*	*0.01134403[mg/l]*	*0.00028629[mg/l]*	*0.00645090[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3621274	17927.48100	195177	1647645	33056791	306589	484981
Int RSD	*1.25120269*	*0.52889044*	*1.36518191*	*0.21762761*	*0.61698551*	*0.36488478*	*0.46394136*
Int SD	*45309.47400*	*94.81673400*	*2664.52410*	*3585.72950*	*203956*	*1118.69580*	*2250.02780*
RelInt Mean	0.10787739	0.00832336	0.00553073	---	---	---	0.29266224
RelInt RSD	*0.75174559*	*0.94004047*	*0.85734198*	---	---	---	*0.67267943*
RelInt SD	*0.00081096*	*0.00007824*	*0.00004742*	---	---	---	*0.00196868*
Conc Mean	1.05631010[mg/l]	1.01533260[mg/l]	1.04105340[mg/l]	1638215	32977599	304301	1.06949130[mg/l]
Conc RSD	*0.75172468*	*0.93720628*	*0.86146157*	---	---	---	*0.67305315*
Conc SD	*0.00794054[mg/l]*	*0.00951576[mg/l]*	*0.00896827[mg/l]*	*3626.55480*	*203288*	*1074.77760*	*0.00719824[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	81288.53600	39551.17000	440776	4882.95220	407491	5220.82080	
Int RSD	*0.57194419*	*0.54042932*	*0.60008750*	*0.14352491*	*0.26501006*	*0.57677695*	
Int SD	*464.92506000*	*213.74612000*	*2645.03960*	*7.00825260*	*1079.89230*	*30.11249100*	
RelInt Mean	0.26572075	0.10397214	0.26415720	0.00059852	0.24377308	0.00033002	
RelInt RSD	*0.52955428*	*0.61736316*	*0.80336095*	*3.03209946*	*0.48803133*	*8.90796746*	
RelInt SD	*0.00140714*	*0.00064189*	*0.00212214*	*0.00001815*	*0.00118969*	*0.00002940*	
Conc Mean	1.01955040[mg/l]	1.05835530[mg/l]	4.80414710[mg/l]	0.01397056[mg/l]	0.98111813[mg/l]	0.03203247[mg/l]	
Conc RSD	*0.52916677*	*0.61944507*	*0.80735675*	*4.65544872*	*0.48453837*	*7.78230246*	
Conc SD	*0.00539512[mg/l]*	*0.00655593[mg/l]*	*0.03878661[mg/l]*	*0.00065039[mg/l]*	*0.00475389[mg/l]*	*0.00249286[mg/l]*	

ENTHALPY INITIAL CALIBRATION FOR 465031 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	482261233001	Date:	30-JUN-2022 09:57
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master	482261233003	L1	30-JUN-2022 10:00	S16950, S13369 (100X)
L2	met06_master	482261233004	L2	30-JUN-2022 10:03	S16949, S13369 (100X)
L3	met06_master	482261233005	L3	30-JUN-2022 10:06	S16948, S13369 (100X)
L4	met06_master	482261233006	L4	30-JUN-2022 10:10	S16947, S13369 (100X)

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	0.0218	0.0344	0.0340	0.0319	WB1K	3.72E-4	31.3040		0.0305	1.000		5	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
WB1K: Linear regression with ICALBLK weighting factor of 1000

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D
Lead	A	0.0033	**-21**	0.1000	8	1.0000	6	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 465031 METALS Wipe
EPA 6010B

Inst : MET06
Calnum : 482261233001 Cal Date : 30-JUN-2022

ICV 482261233011 (30-JUN-2022) stds: S16870, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	0.9557	mg/l	-4	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICALBLK,CALBLANK			Sample Type: Calibration Sample
Measure Date: 2022-06-30 09:57:03	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	47303.18300	1933.51920	3264.83240	6711.02620	6657.48070	994.61086000	6400.18850
Int RSD	*0.85786990*	*1.42873942*	*1.09197844*	*0.07763852*	*0.66875028*	*4.08809914*	*0.41217788*
Int SD	*405.79977000*	*27.62495100*	*35.65126600*	*5.21034120*	*44.52192100*	*40.66067800*	*26.38016100*
RelInt Mean	0.00003252	0.00033265	-0.00006093	0.00041077	0.00002892	0.00224564	0.00001657
RelInt RSD	*9.23260119*	*49.61287782*	*28.07866718*	*0.84790461*	*87.59872927*	*13.90208887*	*96.28605279*
RelInt SD	*0.00000300*	*0.00016504*	*0.00001711*	*0.00000348*	*0.00002534*	*0.00031219*	*0.00001596*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	5878.12160	46339.55000	8262.78570	363.36195000	2498.68170	7154.81140	4035.82480
Int RSD	*0.21548574*	*0.52714578*	*1.61529918*	*26.12973290*	*2.20203394*	*0.21407916*	*0.83001998*
Int SD	*12.66651400*	*244.27698000*	*133.46871000*	*94.94550700*	*55.02181900*	*15.31696000*	*33.49815200*
RelInt Mean	0.00004375	0.00015149	0.00066376	0.00010378	0.00027160	0.00004409	-0.00002214
RelInt RSD	*36.13471328*	*3.22872575*	*15.02767595*	*211.27371184*	*64.37604355*	*29.54751590*	*97.53377139*
RelInt SD	*0.00001581*	*0.00000489*	*0.00009975*	*0.00021925*	*0.00017485*	*0.00001303*	*0.00002159*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	10243.78700	6949.50660	6555.34630	4558.49610	3451.32830	3292.65470	1594.81090
Int RSD	*1.71351981*	*0.59646970*	*0.19072782*	*0.22844993*	*0.51365203*	*1.71545200*	*4.50743809*
Int SD	*175.52932000*	*41.45170100*	*12.50286900*	*10.41388100*	*17.72781800*	*56.48391100*	*71.88511400*
RelInt Mean	0.00278184	0.00014544	-0.00001395	-0.00003523	-0.00001932	0.00002073	-0.00025346
RelInt RSD	*22.18038222*	*38.40767439*	*155.86562628*	*54.47462552*	*100.46333747*	*215.11244826*	*106.23213444*
RelInt SD	*0.00061702*	*0.00005586*	*0.00002174*	*0.00001919*	*0.00001941*	*0.00004459*	*0.00026925*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	49751.25200	3261.38390	11336.26200	1545938	32899157	312921	4621.20280
Int RSD	*1.07581978*	*0.71943383*	*2.05951283*	*0.17241496*	*0.15029921*	*0.21281214*	*0.29192140*
Int SD	*535.23381000*	*23.46349900*	*233.47177000*	*2665.42770*	*49447.17300*	*665.93431000*	*13.49028000*
RelInt Mean	-0.00000221	-0.00003704	0.00002601	---	---	---	0.00015643
RelInt RSD	*153.98767035*	*34.34313940*	*24.37264906*	---	---	---	*4.36776920*
RelInt SD	*0.00000340*	*0.00001272*	*0.00000634*	---	---	---	*0.00000683*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	257.58425000	7186.45610	8147.15300	3714.68200	6422.47370	4079.54130	
Int RSD	*29.33301861*	*4.47441097*	*0.52902744*	*1.43697547*	*0.07811218*	*0.89261332*	
Int SD	*75.55723600*	*321.55158000*	*43.10067500*	*53.37906900*	*5.01673430*	*36.41452900*	
RelInt Mean	-0.00019663	0.00034262	0.00112456	0.00020870	0.00004949	-0.00004774	
RelInt RSD	*77.10389651*	*138.81238922*	*1.46847265*	*20.96573102*	*26.68550409*	*48.17699841*	
RelInt SD	*0.00015161*	*0.00047560*	*0.00001651*	*0.00004376*	*0.00001321*	*0.00002300*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L1,S16950				Sample Type: Calibration Sample			
Measure Date: 2022-06-30 10:00:20		Recalculation Date:		State: Measured		Quality:	

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	47522.78000	1995.31170	3416.10540	7085.02170	8494.68570	1511.35380	6941.93200
Int RSD	*0.76690067*	*5.39578553*	*0.97151200*	*0.48898665*	*0.75893048*	*7.91440032*	*0.27174566*
Int SD	*364.45252000*	*107.66274000*	*33.18787400*	*34.64481000*	*64.46875900*	*119.61459000*	*18.86439900*
RelInt Mean	0.00003520	0.00062920	0.00002915	0.00063633	0.00117782	0.00384652	0.00032396
RelInt RSD	*9.79683834*	*80.41645584*	*68.09086428*	*4.76514762*	*3.42436240*	*9.57687956*	*5.61863410*
RelInt SD	*0.00000345*	*0.00050598*	*0.00001985*	*0.00003032*	*0.00004033*	*0.00036838*	*0.00001820*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6622.50260	49597.12300	10510.93000	522.49571000	2597.65590	14174.96000	4799.94130
Int RSD	*0.35449049*	*0.27720937*	*0.14639451*	*18.58825673*	*6.60373685*	*0.64180304*	*0.55066217*
Int SD	*23.47614200*	*137.48787000*	*15.38742400*	*97.12284400*	*171.54236000*	*90.97532400*	*26.43146100*
RelInt Mean	0.00050467	0.00024827	0.00206422	0.00054391	0.00022191	0.00454449	0.00043819
RelInt RSD	*1.62023892*	*2.75411095*	*0.57275187*	*61.04553374*	*233.60236615*	*1.35864526*	*4.07217046*
RelInt SD	*0.00000818*	*0.00000684*	*0.00001182*	*0.00033203*	*0.00051838*	*0.00006174*	*0.00001784*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	14516.97700	7621.36390	6733.42000	4950.68920	3727.67890	3614.40230	7687.10700
Int RSD	*1.02369880*	*0.39743334*	*0.23040345*	*0.48069735*	*0.93694076*	*0.26037045*	*2.53254872*
Int SD	*148.61012000*	*30.28984100*	*15.51403200*	*23.79783200*	*34.92614300*	*9.41083570*	*194.67973000*
RelInt Mean	0.01610595	0.00053141	0.00007268	0.00019336	0.00014230	0.00020975	0.01913554
RelInt RSD	*0.79075734*	*1.13528274*	*16.47185502*	*5.71197287*	*19.60235630*	*4.29906895*	*1.08486336*
RelInt SD	*0.00012736*	*0.00000603*	*0.00001197*	*0.00001104*	*0.00002789*	*0.00000902*	*0.00020759*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	61385.76800	3424.12030	11772.91700	1557216	32981627	311647	9331.33110
Int RSD	*0.62568979*	*0.35797778*	*0.85677483*	*0.63057455*	*0.62095148*	*0.24714202*	*0.62082652*
Int SD	*384.08448000*	*12.25759000*	*100.86739000*	*9819.41030*	*204800*	*770.21095000*	*57.93137800*
RelInt Mean	0.00034823	0.00006311	0.00003826	---	---	---	0.00317236
RelInt RSD	*1.10587936*	*12.16747954*	*6.56563207*	---	---	---	*0.89645849*
RelInt SD	*0.00000385*	*0.00000768*	*0.00000251*	---	---	---	*0.00002844*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	330.45494000	7587.48750	16332.33300	49349.28400	7172.75970	23432.12000	
Int RSD	*29.06576915*	*3.45477656*	*0.98822789*	*0.46824645*	*0.79546821*	*0.59947700*	
Int SD	*96.04927000*	*262.13074000*	*161.40067000*	*231.07627000*	*57.05702300*	*140.47017000*	
RelInt Mean	0.00007603	0.00128668	0.00639060	0.02961988	0.00049756	0.01242036	
RelInt RSD	*375.60492245*	*19.24792373*	*2.40939165*	*0.55356592*	*5.45018230*	*0.74199198*	
RelInt SD	*0.00028559*	*0.00024766*	*0.00015397*	*0.00016397*	*0.00002712*	*0.00009216*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L2,S16949			Sample Type: Calibration Sample
Measure Date: 2022-06-30 10:03:37	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	47987.32800	2593.42030	6110.76890	16770.23800	58029.88400	946.39523000	20756.38500
Int RSD	*0.46813348*	*8.46582176*	*0.69820631*	*0.47643036*	*0.21848076*	*6.52994384*	*0.58368319*
Int SD	*224.64475000*	*219.55434000*	*42.66577400*	*79.89850500*	*126.78413000*	*61.79907700*	*121.15153000*
RelInt Mean	0.00003267	0.00278923	0.00173192	0.00679178	0.03289204	0.00214567	0.00915173
RelInt RSD	*21.50990623*	*16.14864234*	*1.65383942*	*0.94491944*	*0.53032885*	*7.09637337*	*0.97597549*
RelInt SD	*0.00000703*	*0.00045042*	*0.00002864*	*0.00006418*	*0.00017444*	*0.00015226*	*0.00008932*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	27310.03000	140082	90516.06900	321.36189000	2362.43150	221244	24943.40000
Int RSD	*0.25130471*	*0.45793692*	*0.44001548*	*16.80650559*	*7.04300887*	*0.03997870*	*0.41947782*
Int SD	*68.63139300*	*641.48573000*	*398.28472000*	*54.00970400*	*166.38626000*	*88.45054100*	*104.63203000*
RelInt Mean	0.01371358	0.00295054	0.05330441	0.00011414	-0.00014679	0.13722283	0.01332039
RelInt RSD	*0.44984877*	*0.50894562*	*0.75242144*	*194.30970287*	*85.69385082*	*0.28526121*	*0.64183928*
RelInt SD	*0.00006169*	*0.00001502*	*0.00040107*	*0.00022179*	*0.00012579*	*0.00039144*	*0.00008550*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	9961.15430	25464.00700	12082.61600	13447.62400	10396.75800	11900.02900	169675
Int RSD	*3.44444750*	*0.53935207*	*0.45259724*	*0.46343332*	*0.42685201*	*0.28865365*	*0.43539680*
Int SD	*343.10673000*	*137.34065000*	*54.68558700*	*62.32077100*	*44.37877100*	*34.34986800*	*738.76095000*
RelInt Mean	0.00204707	0.01191378	0.00343814	0.00559721	0.00439575	0.00549524	0.53951624
RelInt RSD	*22.23158592*	*0.66002129*	*1.81395920*	*1.15123040*	*0.37452298*	*0.17647758*	*0.70297191*
RelInt SD	*0.00045510*	*0.00007863*	*0.00006237*	*0.00006444*	*0.00001646*	*0.00000970*	*0.00379265*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	390629	7485.61310	20493.76500	1567143	33247255	313296	132509
Int RSD	*0.73803565*	*0.64955317*	*1.14597450*	*0.27039519*	*0.16057401*	*0.35504003*	*0.29766924*
Int SD	*2882.97980*	*48.62303700*	*234.85332000*	*4237.47960*	*53386.45000*	*1112.32550*	*394.43832000*
RelInt Mean	0.01023433	0.00262630	0.00029584	---	---	---	0.08209906
RelInt RSD	*0.63187739*	*0.70363675*	*0.15983324*	---	---	---	*0.52493402*
RelInt SD	*0.00006467*	*0.00001848*	*0.00000047*	---	---	---	*0.00043097*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	3956.36460	10414.08600	8632.79580	3714.36910	27306.01200	4173.58150	
Int RSD	*2.34226489*	*2.99824267*	*1.44984479*	*2.66781142*	*0.08443047*	*0.22439060*	
Int SD	*92.66853900*	*312.23957000*	*125.16214000*	*99.09236300*	*23.05459400*	*9.36512440*	
RelInt Mean	0.01170275	0.01109742	0.00135214	0.00017819	0.01333509	-0.00002523	
RelInt RSD	*2.91977825*	*1.93250493*	*4.48230150*	*33.94767076*	*0.42804190*	*97.35015247*	
RelInt SD	*0.00034169*	*0.00021446*	*0.00006061*	*0.00006049*	*0.00005708*	*0.00002456*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L3,S16948			Sample Type: Calibration Sample
Measure Date: 2022-06-30 10:06:55	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	48805.85700	8640.05800	30172.98900	108398	513788	998.76185000	144865
Int RSD	*0.55925362*	*3.40205124*	*0.17377365*	*0.15820831*	*0.41453942*	*16.16562747*	*0.32238794*
Int SD	*272.94852000*	*293.93920000*	*52.43270300*	*171.49493000*	*2129.85420*	*161.45612000*	*467.02742000*
RelInt Mean	0.00003131	0.02178782	0.01684975	0.06452413	0.32025389	0.00235131	0.08728409
RelInt RSD	*28.88878235*	*1.20816755*	*0.54135900*	*0.43856136*	*0.53477096*	*10.43036688*	*0.24291268*
RelInt SD	*0.00000904*	*0.00026323*	*0.00009122*	*0.00028298*	*0.00171262*	*0.00024525*	*0.00021202*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	214932	1007749	842141	359.84136000	2471.44430	2160004	209346
Int RSD	*0.48178972*	*0.81367924*	*0.43817138*	*10.65349742*	*6.23459529*	*0.39549328*	*0.36275956*
Int SD	*1035.51830*	*8199.84520*	*3690.02140*	*38.33569000*	*154.08455000*	*8542.66980*	*759.42390000*
RelInt Mean	0.13182251	0.02880202	0.52726610	0.00009277	-0.00008129	1.35991240	0.12952807
RelInt RSD	*0.56847245*	*0.68744054*	*0.47911935*	*116.64894569*	*185.30897911*	*0.32087611*	*0.22121448*
RelInt SD	*0.00074937*	*0.00019800*	*0.00252623*	*0.00010821*	*0.00015063*	*0.00436363*	*0.00028653*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	10203.36000	191549	60640.96800	95139.77500	71753.88400	88335.97200	1648009
Int RSD	*3.15793856*	*0.59790699*	*0.38605451*	*0.81936652*	*0.58698035*	*0.45159004*	*0.07364095*
Int SD	*322.21584000*	*1145.28330*	*234.10719000*	*779.54346000*	*421.18120000*	*398.91645000*	*1213.60930*
RelInt Mean	0.00191721	0.11653796	0.03396364	0.05704249	0.04304621	0.05364840	5.26550370
RelInt RSD	*21.32219142*	*0.54424910*	*0.71956847*	*1.18457433*	*1.09312650*	*0.77889829*	*0.91963363*
RelInt SD	*0.00040879*	*0.00063426*	*0.00024439*	*0.00067571*	*0.00047055*	*0.00041787*	*0.04842334*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3471607	44353.73300	100128	1590839	33488070	314609	1303165
Int RSD	*1.28289312*	*0.33686578*	*1.25054879*	*0.54402180*	*0.36307383*	*1.01405775*	*0.43818680*
Int SD	*44537.00600*	*149.41255000*	*1252.15550*	*8654.51310*	*121586*	*3190.32050*	*5710.29750*
RelInt Mean	0.10219183	0.02583064	0.00266934	---	---	---	0.82026401
RelInt RSD	*1.13482448*	*0.79308191*	*1.19597226*	---	---	---	*0.42417611*
RelInt SD	*0.00115970*	*0.00020486*	*0.00003192*	---	---	---	*0.00347936*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	42270.44800	39995.63300	10166.04300	4221.01880	206873	4423.89410	
Int RSD	*1.53016254*	*1.83756877*	*0.53949390*	*0.98245923*	*0.58931831*	*0.32424890*	
Int SD	*646.80656000*	*734.94726000*	*54.84518200*	*41.46978900*	*1219.14300*	*14.34442800*	
RelInt Mean	0.13406597	0.10435982	0.00227097	0.00042789	0.12640290	0.00007695	
RelInt RSD	*0.74898507*	*0.30595945*	*2.51117379*	*7.93482125*	*0.70751216*	*23.13897955*	
RelInt SD	*0.00100413*	*0.00031930*	*0.00005703*	*0.00003395*	*0.00089432*	*0.00001780*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L4,S16947			Sample Type: Calibration Sample
Measure Date: 2022-06-30 10:10:12	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	55265.06000	65224.80500	264266	1014586	4873919	1090.58300	1322738
Int RSD	*0.60806130*	*1.56634228*	*0.20701177*	*0.16787966*	*0.40042534*	*9.50224238*	*0.43000427*
Int SD	*336.04544000*	*1021.64370*	*547.06081000*	*1703.28390*	*19516.40700*	*103.62984000*	*5687.82950*
RelInt Mean	-0.00003418	0.20647221	0.16616111	0.64461463	3.11291010	0.00223631	0.84083803
RelInt RSD	*25.44789001*	*1.04033942*	*0.40980424*	*0.33604610*	*0.18103122*	*10.21779578*	*0.18893614*
RelInt SD	*0.00000870*	*0.00214801*	*0.00068094*	*0.00216620*	*0.00563534*	*0.00022850*	*0.00158865*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	1991397	9254836	7851941	418.88536000	2537.05180	19903803	2029103
Int RSD	*0.38077820*	*0.72654568*	*0.37102316*	*11.77469941*	*2.89952921*	*0.60103936*	*0.47199263*
Int SD	*7582.80710*	*67240.61300*	*29132.52000*	*49.32249200*	*73.56255800*	*119630*	*9577.21530*
RelInt Mean	1.26819440	0.28420969	5.01780730	0.00024775	-0.00005598	12.72832700	1.29435570
RelInt RSD	*0.19044064*	*0.99628852*	*0.19442564*	*74.78960981*	*537.43703125*	*0.63900146*	*0.29266331*
RelInt SD	*0.00241516*	*0.00283155*	*0.00975590*	*0.00018529*	*0.00030084*	*0.08133419*	*0.00378810*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	10182.07300	1744952	507637	889904	4612.70280	821892	15119258
Int RSD	*4.54017458*	*0.38898048*	*0.10478180*	*0.11888337*	*0.75273230*	*0.15855337*	*0.89044641*
Int SD	*462.28389000*	*6787.52110*	*531.91068000*	*1057.94790*	*34.72130400*	*1303.13690*	*134629*
RelInt Mean	0.00209790	1.11041340	0.31923011	0.56481914	0.00002790	0.52301912	49.31516600
RelInt RSD	*10.73283103*	*0.23520492*	*0.35557401*	*0.28663588*	*46.65050551*	*0.26343588*	*0.85392449*
RelInt SD	*0.00022516*	*0.00261175*	*0.00113510*	*0.00161897*	*0.00001301*	*0.00137782*	*0.42111428*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	33093971	389368	868338	1572192	32370863	308496	12098660
Int RSD	*0.62779695*	*0.03633132*	*0.98000595*	*0.24768703*	*0.46968933*	*0.43303741*	*0.22535149*
Int SD	*207763*	*141.46241000*	*8509.76060*	*3894.11670*	*152042*	*1335.90290*	*27264.51000*
RelInt Mean	1.02127760	0.24548435	0.02645359	---	---	---	7.73530450
RelInt RSD	*0.32907733*	*0.29017785*	*1.14703829*	---	---	---	*0.38353168*
RelInt SD	*0.00336079*	*0.00071234*	*0.00030343*	---	---	---	*0.02966734*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	400167	308783	25302.69300	8772.73220	1944039	6895.47500	
Int RSD	*0.44581616*	*0.51055256*	*0.17298475*	*1.35158281*	*0.40921276*	*0.16414069*	
Int SD	*1784.00760*	*1576.50070*	*43.76979900*	*118.57074000*	*7955.25490*	*11.31828000*	
RelInt Mean	1.30350020	0.97878572	0.01159107	0.00266031	1.23713060	0.00108692	
RelInt RSD	*0.57276586*	*0.09576793*	*1.02313367*	*2.67604428*	*0.22505681*	*2.02032313*	
RelInt SD	*0.00746600*	*0.00093736*	*0.00011859*	*0.00007119*	*0.00278425*	*0.00002196*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L5,S16645			Sample Type: Calibration Sample
Measure Date: 2022-06-30 10:13:28	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	1492076	1962.57820	3503.62550	11745.31800	7353.92010	994.21128000	6615.08240
Int RSD	*0.21235335*	*8.18758101*	*0.87377272*	*2.32833721*	*1.18906526*	*10.33915246*	*0.55442112*
Int SD	*3168.47400*	*160.68768000*	*30.61372400*	*273.47061000*	*87.44290900*	*102.79302000*	*36.67541400*
RelInt Mean	0.04343677	0.00066718	0.00004309	0.00351482	0.00037278	0.00233852	0.00005268
RelInt RSD	*0.44189522*	*65.90385430*	*64.49221621*	*4.89155558*	*20.31431417*	*22.33178746*	*48.89671195*
RelInt SD	*0.00019195*	*0.00043970*	*0.00002779*	*0.00017193*	*0.00007573*	*0.00052223*	*0.00002576*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6325.62110	52284.20300	13863.52900	371.39913000	2396.59820	9201.85520	8691.18560
Int RSD	*1.52926169*	*6.02478190*	*8.45730261*	*19.23201086*	*3.79629151*	*2.97036211*	*21.88893193*
Int SD	*96.73530000*	*3150.00920*	*1172.48060*	*71.42752100*	*90.98185400*	*273.32842000*	*1902.40770*
RelInt Mean	0.00024334	0.00031039	0.00407836	0.00012667	-0.00028247	0.00123915	0.00286023
RelInt RSD	*33.81692283*	*31.81712849*	*18.33136359*	*277.51766835*	*171.33793026*	*15.11972827*	*42.30409805*
RelInt SD	*0.00008229*	*0.00009876*	*0.00074762*	*0.00035152*	*0.00048398*	*0.00018736*	*0.00120999*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	10105.57600	7256.56040	6750.28320	6704.19760	3553.69540	4594.17770	2607.92010
Int RSD	*2.92436136*	*0.87766872*	*0.12243290*	*11.36382391*	*0.88877862*	*10.33345924*	*8.15657504*
Int SD	*295.52356000*	*63.68856100*	*8.26456750*	*761.85321000*	*31.58448500*	*474.73748000*	*212.71696000*
RelInt Mean	0.00205787	0.00023137	0.00000601	0.00124356	-0.00000703	0.00080298	0.00304716
RelInt RSD	*31.10761100*	*23.63490367*	*585.67748635*	*39.41509740*	*419.14487503*	*37.18103127*	*12.37939652*
RelInt SD	*0.00064015*	*0.00005468*	*0.00003518*	*0.00049015*	*0.00002948*	*0.00029856*	*0.00037722*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	121611	4325.54630	12182.30600	1584173	33279150	311291	7621.31680
Int RSD	*18.13580065*	*15.10994299*	*3.20006237*	*0.43578190*	*0.26775708*	*0.78620622*	*4.06100413*
Int SD	*22055.19200*	*653.58758000*	*389.84139000*	*6903.53870*	*89107.28000*	*2447.39250*	*309.50199000*
RelInt Mean	0.00213595	0.00058652	0.00004736	---	---	---	0.00199083
RelInt RSD	*31.18087629*	*73.66177573*	*27.48679710*	---	---	---	*10.44867215*
RelInt SD	*0.00066601*	*0.00043204*	*0.00001302*	---	---	---	*0.00020801*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	158.17935000	7426.10960	11828.84300	3811.63320	6807.27300	4201.77330	
Int RSD	*34.18133467*	*4.69646960*	*0.76317827*	*1.57562026*	*0.95880631*	*0.47915479*	
Int SD	*54.06781300*	*348.76498000*	*90.27515900*	*60.05686500*	*65.26856300*	*20.13299800*	
RelInt Mean	-0.00051497	0.00116643	0.00334685	0.00021941	0.00017001	-0.00002565	
RelInt RSD	*5.54275744*	*23.89178492*	*1.98207378*	*17.07182574*	*28.18745214*	*26.26326860*	
RelInt SD	*0.00002854*	*0.00027868*	*0.00006634*	*0.00003746*	*0.00004792*	*0.00000674*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L6,S16518			Sample Type: Calibration Sample
Measure Date: 2022-06-30 10:16:46	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	48701.09000	2286.32830	3537.45760	9477.96830	7202.34700	50443.39200	6754.62960
Int RSD	*0.45760744*	*5.62956554*	*0.56992765*	*0.87195241*	*0.33059830*	*0.86637124*	*0.53774980*
Int SD	*222.85981000*	*128.71035000*	*20.16094900*	*82.64337300*	*23.81083700*	*437.02704000*	*36.32300700*
RelInt Mean	0.00004510	0.00049746	-0.00000425	0.00201424	0.00012411	0.16439842	0.00002294
RelInt RSD	*10.46423980*	*66.69125178*	*151.25991286*	*3.07272123*	*6.86621412*	*1.15899593*	*189.22033836*
RelInt SD	*0.00000472*	*0.00033176*	*0.00000643*	*0.00006189*	*0.00000852*	*0.00190537*	*0.00004340*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6254.38460	47849.44600	8896.89820	19189.83700	13632.82600	7971.99570	4939.17590
Int RSD	*0.77061670*	*0.49438742*	*1.06394967*	*2.88715407*	*2.52926048*	*0.82623380*	*2.61282090*
Int SD	*48.19733200*	*236.56164000*	*94.65851900*	*554.04016000*	*344.80968000*	*65.86732300*	*129.05182000*
RelInt Mean	0.00007295	0.00017110	0.00082721	0.06156241	0.03629367	0.00030078	0.00041960
RelInt RSD	*41.32485716*	*1.89889597*	*8.38833923*	*3.12366031*	*2.33022758*	*16.78391412*	*17.51088175*
RelInt SD	*0.00003015*	*0.00000325*	*0.00006939*	*0.00192300*	*0.00084573*	*0.00005048*	*0.00007348*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	363225	7342.42740	6905.33840	5207.08180	3672.70550	3713.81820	2037.12090
Int RSD	*0.42264667*	*0.15673776*	*0.51388074*	*1.39445635*	*0.31955748*	*1.25873235*	*10.97595631*
Int SD	*1535.15920*	*11.50835600*	*35.48520400*	*72.61048300*	*11.73640500*	*46.74703100*	*223.59350000*
RelInt Mean	1.15691800	0.00014942	-0.00001763	0.00021660	-0.00000336	0.00017226	0.00082720
RelInt RSD	*0.26210685*	*18.54453157*	*116.52330362*	*21.31995158*	*334.89616263*	*19.45142848*	*57.52284062*
RelInt SD	*0.00303236*	*0.00002771*	*0.00002054*	*0.00004618*	*0.00001127*	*0.00003351*	*0.00047583*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	70810.16200	3476.20360	11807.50900	1524390	31926028	307047	5535.13790
Int RSD	*6.01132546*	*0.55997376*	*0.17414007*	*0.20061917*	*0.28238890*	*0.26804645*	*0.83216498*
Int SD	*4256.62930*	*19.46582800*	*20.56160400*	*3058.21820*	*90155.55900*	*823.02723000*	*46.06147900*
RelInt Mean	0.00061792	0.00000502	0.00003024	---	---	---	0.00061536
RelInt RSD	*21.61280804*	*343.27116805*	*11.28502009*	---	---	---	*4.70788955*
RelInt SD	*0.00013355*	*0.00001725*	*0.00000341*	---	---	---	*0.00002897*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	285.42134000	7420.85190	835493	3871.16890	6813.89660	4258.65380	
Int RSD	*20.76671142*	*5.01626936*	*0.54051385*	*3.67303788*	*0.65928042*	*0.25174580*	
Int SD	*59.27262600*	*372.24992000*	*4515.95680*	*142.18950000*	*44.92268600*	*10.72098200*	
RelInt Mean	-0.00016059	0.00064783	0.54594064	0.00018581	0.00008937	-0.00006615	
RelInt RSD	*88.06156376*	*63.72425095*	*0.46772025*	*49.17362705*	*22.67887388*	*25.88793070*	
RelInt SD	*0.00014142*	*0.00041283*	*0.00255347*	*0.00009137*	*0.00002027*	*0.00001712*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L7,S16675				Sample Type: Calibration Sample			
Measure Date: 2022-06-30 10:20:03		Recalculation Date:		State: Measured		Quality:	

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	48845.87200	2064.69080	3402.64240	8491.87680	6997.27600	1061.10270	6605.79610
Int RSD	*0.74283274*	*4.66707020*	*0.59477605*	*0.64050548*	*0.42435226*	*8.22656968*	*0.26158643*
Int SD	*362.84313000*	*96.36056900*	*20.23810200*	*54.39093600*	*29.69309900*	*87.29235300*	*17.27986600*
RelInt Mean	0.00004656	0.00073487	-0.00003400	0.00139895	0.00009105	0.00243583	0.00000570
RelInt RSD	*6.07315970*	*37.16952771*	*30.85626091*	*2.80542171*	*45.14934003*	*5.51171240*	*146.02580719*
RelInt SD	*0.00000283*	*0.00027315*	*0.00001049*	*0.00003925*	*0.00004111*	*0.00013426*	*0.00000832*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6128.18310	47813.24700	8474.18830	398.63202000	2499.52620	7664.29540	4426.47930
Int RSD	*0.65299385*	*0.84582486*	*0.68573153*	*10.18446662*	*4.55238917*	*0.40159729*	*0.72735508*
Int SD	*40.01665900*	*404.41633000*	*58.11018100*	*40.59854500*	*113.78816000*	*30.77960300*	*32.19622200*
RelInt Mean	0.00005930	0.00015803	0.00061076	0.00005183	-0.00001418	0.00020569	0.00012044
RelInt RSD	*47.50338589*	*5.76102309*	*5.83089554*	*255.74684442*	*3666.29053*	*10.38083783*	*15.83256628*
RelInt SD	*0.00002817*	*0.00000910*	*0.00003561*	*0.00013256*	*0.00051978*	*0.00002135*	*0.00001907*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	10269.22900	7215.91590	6748.34820	4881.85220	3624.89140	3537.98970	1710.99760
Int RSD	*0.81423869*	*0.53030668*	*0.31813563*	*1.14744084*	*0.45600036*	*0.67083104*	*2.89027483*
Int SD	*83.61603600*	*38.26648400*	*21.46890000*	*56.01636600*	*16.52951800*	*23.73393300*	*49.45253300*
RelInt Mean	0.00214792	0.00015882	-0.00004427	0.00005190	0.00000890	0.00010370	0.00008008
RelInt RSD	*10.94053033*	*11.26254989*	*14.84648845*	*61.00016536*	*77.59570463*	*15.53322574*	*200.30109353*
RelInt SD	*0.00023499*	*0.00001789*	*0.00000657*	*0.00003166*	*0.00000691*	*0.00001611*	*0.00016041*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	53551.69500	3397.69980	11649.20200	1592085	33760911	315799	5252.67450
Int RSD	*0.97367323*	*0.56551927*	*0.36151397*	*0.68609228*	*0.58272684*	*0.63385248*	*0.73487242*
Int SD	*521.41852000*	*19.21464700*	*42.11349300*	*10923.17500*	*196734*	*2001.70030*	*38.60045600*
RelInt Mean	0.00007144	-0.00001442	0.00002709	---	---	---	0.00046154
RelInt RSD	*15.47887182*	*67.28612974*	*5.53006987*	---	---	---	*2.31919656*
RelInt SD	*0.00001106*	*0.00000971*	*0.00000150*	---	---	---	*0.00001070*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	227.07845000	7463.10200	8536.25190	446195	6677.58500	191100	
Int RSD	*28.57471063*	*1.35490899*	*0.35034745*	*0.46263696*	*0.34691259*	*0.47412242*	
Int SD	*64.88701000*	*101.11824000*	*29.90654100*	*2064.26080*	*23.16538300*	*906.05027000*	
RelInt Mean	-0.00025883	0.00086747	0.00119503	0.27923499	0.00005023	0.11788269	
RelInt RSD	*82.35128394*	*59.61878464*	*0.91918908*	*0.94252400*	*29.32598836*	*1.14342547*	
RelInt SD	*0.00021315*	*0.00051718*	*0.00001098*	*0.00263186*	*0.00001473*	*0.00134790*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L8,S16519			Sample Type: Calibration Sample
Measure Date: 2022-06-30 10:23:19	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	49054.31600	5559.52090	3938.24110	8970.68340	7774.97740	893463	7251.47740
Int RSD	*0.75132202*	*4.81133671*	*1.02351794*	*0.25330041*	*0.95567128*	*0.54063871*	*0.94344875*
Int SD	*368.55588000*	*267.48727000*	*40.30860400*	*22.72277800*	*74.30322600*	*4830.40750*	*68.41397300*
RelInt Mean	0.00004298	0.00038197	-0.00004340	0.00124869	0.00017556	3.02827110	-0.00000944
RelInt RSD	*16.64992963*	*140.74436246*	*58.97825936*	*1.35240043*	*22.52016880*	*0.50029481*	*450.79550989*
RelInt SD	*0.00000716*	*0.00053759*	*0.00002560*	*0.00001689*	*0.00003954*	*0.01515028*	*0.00004256*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7000.68930	49067.19900	9590.86270	71993.50200	193136	8814.12570	4811.64500
Int RSD	*0.40142606*	*0.58642055*	*2.12039705*	*0.51942570*	*0.28225913*	*0.37321844*	*0.36845690*
Int SD	*28.10259100*	*287.74014000*	*203.36437000*	*373.95275000*	*545.14371000*	*32.89594200*	*17.72883800*
RelInt Mean	0.00007095	0.00018888	0.00078881	0.24281648	0.64410936	0.00039944	0.00005599
RelInt RSD	*50.23666293*	*3.76778364*	*19.68949962*	*0.70835073*	*0.12570381*	*2.51465289*	*40.40068087*
RelInt SD	*0.00003565*	*0.00000712*	*0.00015531*	*0.00171999*	*0.00080967*	*0.00001004*	*0.00002262*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	1316759	7881.56480	7436.68290	5317.94970	4027.86270	3896.82380	2509.52560
Int RSD	*0.30571298*	*0.58902589*	*0.33860082*	*0.66748954*	*0.97413303*	*0.23269963*	*7.33331670*
Int SD	*4025.50170*	*46.42445700*	*25.18066900*	*35.49675800*	*39.23674100*	*9.06789450*	*184.03146000*
RelInt Mean	4.42518750	0.00014557	-0.00001363	0.00003464	0.00001170	0.00006438	0.00265149
RelInt RSD	*0.25909234*	*23.42898966*	*156.82641734*	*85.47044237*	*133.73575533*	*35.38998181*	*17.41349700*
RelInt SD	*0.01146532*	*0.00003410*	*0.00002138*	*0.00002961*	*0.00001565*	*0.00002278*	*0.00046172*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	57177.67700	3791.19440	13193.03800	1426107	29393542	296747	5602.91020
Int RSD	*0.99395323*	*0.37204426*	*1.55001107*	*0.22940485*	*0.10138940*	*0.20699929*	*0.27407766*
Int SD	*568.31937000*	*14.10492100*	*204.49355000*	*3271.55910*	*29801.93500*	*614.26444000*	*15.35632500*
RelInt Mean	0.00012677	-0.00000905	0.00002857	---	---	---	0.00043387
RelInt RSD	*6.67295863*	*93.15787297*	*9.84754212*	---	---	---	*3.22908716*
RelInt SD	*0.00000846*	*0.00000843*	*0.00000281*	---	---	---	*0.00001401*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	186.23684000	7202.61970	9262.72520	4317.12030	7330.87760	4798.33470	
Int RSD	*38.71801519*	*4.88450140*	*0.31360979*	*0.38194794*	*0.43371084*	*0.20476640*	
Int SD	*72.10720800*	*351.81206000*	*29.04881300*	*16.48915200*	*31.79481100*	*9.82537710*	
RelInt Mean	-0.00049680	0.00068403	0.00123825	0.00027411	0.00004788	-0.00000927	
RelInt RSD	*71.29099625*	*54.16680208*	*3.10392726*	*8.76179327*	*7.85019484*	*224.52922455*	
RelInt SD	*0.00035417*	*0.00037052*	*0.00003843*	*0.00002402*	*0.00000376*	*0.00002081*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICV,S16870			Sample Type: Control Sample
Measure Date: 2022-06-30 10:26:49	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	365399	6769.47060	28927.45800	106212	442698	430522	238415
Int RSD	*0.50352915*	*2.36928926*	*0.60504646*	*0.16920089*	*0.35362466*	*0.94736024*	*0.36041891*
Int SD	*1839.88840*	*160.38834000*	*175.02456000*	*179.71209000*	*1565.48910*	*4078.59370*	*859.29389000*
RelInt Mean	0.01039784	0.01066802	0.01708621	0.06778677	0.29732221	1.43582490	0.15786917
RelInt RSD	*0.56670255*	*1.14157609*	*1.53098069*	*0.62344919*	*0.56973342*	*0.50659846*	*0.48073360*
RelInt SD	*0.00005892*	*0.00012178*	*0.00026159*	*0.00042262*	*0.00169394*	*0.00727387*	*0.00075893*
Conc Mean	0.47761765[mg/l]	1.00220660[mg/l]	1.03056090[mg/l]	1.04593480[mg/l]	0.95103132[mg/l]	94.73148400[mg/l]	0.93660681[mg/l]
Conc RSD	*0.56847815*	*1.17844933*	*1.52645060*	*0.62724530*	*0.56979092*	*0.50739694*	*0.48366794*
Conc SD	*0.00271515[mg/l]*	*0.01181050[mg/l]*	*0.01573100[mg/l]*	*0.00656058[mg/l]*	*0.00541889[mg/l]*	*0.48066465[mg/l]*	*0.00453007[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	177589	852684	371236	38084.53800	102015	1806975	195914
Int RSD	*0.42724560*	*0.68738768*	*0.60868296*	*1.07235020*	*0.05273972*	*0.31002714*	*0.17453760*
Int SD	*758.73977000*	*5861.24480*	*2259.64850*	*408.39962000*	*53.80261800*	*5602.11160*	*341.94389000*
RelInt Mean	0.11658138	0.02654914	0.24797406	0.12590525	0.33126141	1.22898560	0.13064336
RelInt RSD	*0.57726911*	*0.77193509*	*0.97844932*	*0.95495938*	*1.12339228*	*0.36365629*	*0.60915382*
RelInt SD	*0.00067299*	*0.00020494*	*0.00242630*	*0.00120234*	*0.00372137*	*0.00446928*	*0.00079582*
Conc Mean	0.91854194[mg/l]	0.92922014[mg/l]	0.98525631[mg/l]	103.66287000[mg/l]	102.78314000[mg/l]	0.96475428[mg/l]	1.00946920[mg/l]
Conc RSD	*0.57751267*	*0.77637185*	*0.98117250*	*0.95575110*	*1.12432379*	*0.36369684*	*0.60905491*
Conc SD	*0.00530470[mg/l]*	*0.00721420[mg/l]*	*0.00966706[mg/l]*	*0.99075902[mg/l]*	*1.15561530[mg/l]*	*0.00350878[mg/l]*	*0.00614822[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	662518	159116	52114.37300	33030.12900	23998.49800	364162	300586
Int RSD	*1.05858404*	*0.41034143*	*0.47825367*	*0.84371944*	*0.26899616*	*0.18298999*	*0.97641138*
Int SD	*7013.31150*	*652.92039000*	*249.23890000*	*278.68162000*	*64.55503700*	*666.37994000*	*2934.96020*
RelInt Mean	2.17644760	0.10342993	0.03052487	0.01897665	0.01368336	0.24624751	0.99745458
RelInt RSD	*0.20201054*	*0.65738206*	*0.20721055*	*1.51382233*	*0.83559199*	*0.52261170*	*0.29825625*
RelInt SD	*0.00439665*	*0.00067993*	*0.00006325*	*0.00028727*	*0.00011434*	*0.00128692*	*0.00297497*
Conc Mean	98.03818000[mg/l]	0.92975074[mg/l]	0.95567926[mg/l]	1.00422040[mg/l]	0.95429708[mg/l]	4.70673500[mg/l]	0.94710164[mg/l]
Conc RSD	*0.20227179*	*0.65834173*	*0.20723827*	*1.51610971*	*0.83441832*	*0.52266042*	*0.29818743*
Conc SD	*0.19830358[mg/l]*	*0.00612094[mg/l]*	*0.00198053[mg/l]*	*0.01522508[mg/l]*	*0.00796283[mg/l]*	*0.02460024[mg/l]*	*0.00282414[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3100017	15359.58000	165445	1472179	30459127	301417	386004
Int RSD	*1.05660485*	*0.24848454*	*0.57262499*	*0.64915655*	*0.09423133*	*1.13110193*	*0.33391061*
Int SD	*32754.93000*	*38.16618100*	*947.38091000*	*9556.74450*	*28702.04200*	*3409.33780*	*1288.90860*
RelInt Mean	0.10012880	0.00784246	0.00504880	---	---	---	0.26028815
RelInt RSD	*1.12119930*	*0.92013342*	*0.75282280*	---	---	---	*0.67361595*
RelInt SD	*0.00112264*	*0.00007216*	*0.00003801*	---	---	---	*0.00175334*
Conc Mean	0.98043918[mg/l]	0.95692097[mg/l]	0.94989315[mg/l]	1463492	30384297	299572	0.95112079[mg/l]
Conc RSD	*1.12117592*	*0.92189105*	*0.75719732*	---	---	---	*0.67407320*
Conc SD	*0.01099245[mg/l]*	*0.00882177[mg/l]*	*0.00719257[mg/l]*	*9544.88560*	*28715.59900*	*3426.57430*	*0.00641125[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	77551.48100	35614.40100	418476	217935	362186	4874.01490	
Int RSD	*0.33442929*	*0.82207436*	*0.39316481*	*0.52702614*	*0.44253397*	*0.85511087*	
Int SD	*259.35487000*	*292.77686000*	*1645.30040*	*1148.57500*	*1602.79530*	*41.67823100*	
RelInt Mean	0.25796881	0.09527472	0.28072299	0.14609494	0.24231067	0.00010091	
RelInt RSD	*1.35022463*	*1.70285269*	*0.54312410*	*0.47448498*	*0.47511370*	*16.69240165*	
RelInt SD	*0.00348316*	*0.00162239*	*0.00152467*	*0.00069320*	*0.00115125*	*0.00001684*	
Conc Mean	0.98982863[mg/l]	0.96952410[mg/l]	5.10925910[mg/l]	5.22840500[mg/l]	0.97518557[mg/l]	0.01260418[mg/l]	
Conc RSD	*1.34920911*	*1.70911337*	*0.54523761*	*0.47516457*	*0.47324653*	*11.33164754*	
Conc SD	*0.01335486[mg/l]*	*0.01657027[mg/l]*	*0.02785760[mg/l]*	*0.02484353[mg/l]*	*0.00461503[mg/l]*	*0.00142826[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 465031 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482261233014 File : met06_master Time : 30-JUN-2022 10:36
Cal : 482261233001 Caldate : 30-JUN-2022
Standards: S16520, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.01513]	0.003333	mg/l	a- ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	146.6	mg/l	92	
Iron as Fe2O3	A	228.8	209.7	mg/l	92	
Aluminum	R	400.0	382.8	mg/l	96	
Aluminum as Al2O3	R	755.8	723.3	mg/l	96	
Calcium	R	400.0	387.0	mg/l	97	
Calcium as CaCO3	R	998.9	966.4	mg/l	97	
Magnesium	R	400.0	416.8	mg/l	104	
Magnesium as MgCO3	R	1388	1446	mg/l	104	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	32899157	28798978	-12.46
Yttrium	A	1545938	1381831	-10.62
Yttrium	R	312921	291567	-6.82

-=low bias a=ICSA

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICSA,S16520			Sample Type: Control Sample
Measure Date: 2022-06-30 10:36:37	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	50126.58600	1155430	10143.34800	10748.83100	8879.23430	1698026	8414.34550
Int RSD	*0.04249059*	*0.10871801*	*0.32330572*	*0.29870588*	*0.12715542*	*0.21621788*	*0.49218438*
Int SD	*21.29908400*	*1256.16040*	*32.79402400*	*32.10739000*	*11.29042800*	*3671.43600*	*41.41409400*
RelInt Mean	0.00002807	3.94763330	-0.00009865	0.00131645	0.00019627	5.85836390	0.00014084
RelInt RSD	*30.88544736*	*0.29520351*	*26.91999593*	*0.72641223*	*6.65904410*	*0.11818637*	*20.07012932*
RelInt SD	*0.00000867*	*0.01165355*	*0.00002656*	*0.00000956*	*0.00001307*	*0.00692379*	*0.00002827*
Conc Mean	<-0.00020524[mg/l]	>382.80627000[mg/l]	<-0.00228768[mg/l]	0.01406476[mg/l]	0.00051204[mg/l]	>386.97670000[mg/l]	0.00071046[mg/l]
Conc RSD	*194.64421540*	*0.29522800*	*69.80943007*	*1.05548968*	*8.50049064*	*0.11823199*	*23.41163877*
Conc SD	*0.00039949[mg/l]*	*1.13015130[mg/l]*	*0.00159702[mg/l]*	*0.00014845[mg/l]*	*0.00004353[mg/l]*	*0.45753027[mg/l]*	*0.00016633[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	8068.29570	51729.27900	50497538	356.12917000	392607	13664.92800	14342.53400
Int RSD	*1.01587413*	*0.53298756*	*0.40222620*	*27.21221404*	*0.11532948*	*1.66985234*	*0.79139704*
Int SD	*81.96372900*	*275.71062000*	*203114*	*96.91063200*	*452.79123000*	*228.18412000*	*113.50639000*
RelInt Mean	-0.00020774	0.00018546	36.80672500	0.00024918	1.34236880	0.00157320	-0.00021619
RelInt RSD	*55.28020457*	*2.95167589*	*0.31501026*	*141.54329079*	*0.31084028*	*9.06767821*	*28.73654656*
RelInt SD	*0.00011484*	*0.00000547*	*0.11594496*	*0.00035269*	*0.00417262*	*0.00014265*	*0.00006213*
Conc Mean	<-0.00202455[mg/l]	0.00118951[mg/l]	>146.64557000[mg/l]	<0.11981345[mg/l]	>416.76842000[mg/l]	0.00113261[mg/l]	<-0.00150352[mg/l]
Conc RSD	*44.71036177*	*16.19969989*	*0.31501511*	*242.56545488*	*0.31090419*	*9.88818485*	*31.92201214*
Conc SD	*0.00090519[mg/l]*	*0.00019270[mg/l]*	*0.46195570[mg/l]*	*0.29062604[mg/l]*	*1.29575050[mg/l]*	*0.00011199[mg/l]*	*0.00047996[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	10502.66600	8660.89990	17311.11400	16972.00400	11574.33800	9882.37230	7278.41690
Int RSD	*1.22746958*	*1.41367515*	*0.98369088*	*0.53086511*	*0.92018118*	*0.82442538*	*1.25139281*
Int SD	*128.91703000*	*122.43699000*	*170.28785000*	*90.09844700*	*106.50488000*	*81.47278500*	*91.08158600*
RelInt Mean	0.00564227	-0.00002155	0.00194689	0.00007133	-0.00016889	-0.00021629	0.01927910
RelInt RSD	*5.32322652*	*410.61540382*	*4.83376661*	*141.53149343*	*35.18576128*	*24.94334178*	*0.92753738*
RelInt SD	*0.00030035*	*0.00008850*	*0.00009411*	*0.00010096*	*0.00005943*	*0.00005395*	*0.00017882*
Conc Mean	0.12749708[mg/l]	<-0.00155193[mg/l]	<-0.01512902[mg/l]	<0.00564394[mg/l]	<-0.01042334[mg/l]	<-0.00455775[mg/l]	0.01852671[mg/l]
Conc RSD	*10.62520804*	*51.33735975*	*20.09616815*	*94.92708935*	*39.70603563*	*22.62672091*	*0.91626466*
Conc SD	*0.01354683[mg/l]*	*0.00079672[mg/l]*	*0.00304035[mg/l]*	*0.00535762[mg/l]*	*0.00413869[mg/l]*	*0.00103127[mg/l]*	*0.00016975[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	67615.29000	10843.55300	14857.40600	1381831	28798978	291567	16887.16500
Int RSD	*4.21983267*	*0.87684511*	*1.07909234*	*0.13914638*	*0.19443544*	*0.19017699*	*0.40517357*
Int SD	*2853.25210*	*95.08116400*	*160.32513000*	*1922.76710*	*55995.42000*	*554.49248000*	*68.42232900*
RelInt Mean	0.00042702	0.00039270	0.00001548	---	---	---	0.00068223
RelInt RSD	*23.78772758*	*9.28418546*	*16.84067097*	---	---	---	*2.61133792*
RelInt SD	*0.00010158*	*0.00003646*	*0.00000261*	---	---	---	*0.00001782*
Conc Mean	0.00420206[mg/l]	0.05231239[mg/l]	<-0.00199170[mg/l]	1371595	28714166	289630	0.00192468[mg/l]
Conc RSD	*23.66965024*	*8.50715051*	*24.77899124*	---	---	---	*3.40787682*
Conc SD	*0.00099461[mg/l]*	*0.00445029[mg/l]*	*0.00049352[mg/l]*	*1826.66650*	*55935.11000*	*581.33833000*	*0.00006559[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	221.07620000	6878.12850	11778.76600	8224.49330	8855.32280	9838.58370	
Int RSD	*19.88393278*	*1.06122171*	*0.61687159*	*0.58508373*	*0.75204231*	*0.50791152*	
Int SD	*43.95864300*	*72.99219300*	*72.65986100*	*48.12017200*	*66.59577400*	*49.97130000*	
RelInt Mean	-0.00039966	0.00099567	0.00186132	0.00014719	-0.00017873	-0.00000099	
RelInt RSD	*37.52656003*	*19.69777785*	*1.60003860*	*31.75523483*	*44.67457084*	*3801.65346*	
RelInt SD	*0.00014998*	*0.00019612*	*0.00002978*	*0.00004674*	*0.00007985*	*0.00003767*	
Conc Mean	<-0.00078616[mg/l]	<0.00660457[mg/l]	0.01355687[mg/l]	<-0.00220460[mg/l]	<-0.00092699[mg/l]	<0.00396379[mg/l]	
Conc RSD	*73.14379565*	*30.32925773*	*3.97392967*	*75.98252837*	*34.49911827*	*80.59630431*	
Conc SD	*0.00057503[mg/l]*	*0.00200312[mg/l]*	*0.00053874[mg/l]*	*0.00167511[mg/l]*	*0.00031980[mg/l]*	*0.00319467[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 465031 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482261233015 File : met06_master Time : 30-JUN-2022 10:39
Cal : 482261233001 Caldate : 30-JUN-2022
Standards: S16601, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	0.9725	mg/l	-3	20	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	32899157	29005768	-11.83
Yttrium	A	1545938	1398669	-9.53
Yttrium	R	312921	292481	-6.53

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICSAB,S16601			Sample Type: Control Sample
Measure Date: 2022-06-30 10:39:53	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	708131	1135771	10096.05200	10675.27200	228493	1676732	115203
Int RSD	*0.25910413*	*0.65295251*	*0.72193663*	*1.12198603*	*0.31116651*	*0.34428089*	*0.40558309*
Int SD	*1834.79610*	*7416.04400*	*72.88709800*	*119.77506000*	*710.99303000*	*5772.66930*	*467.24571000*
RelInt Mean	0.02272966	3.86780490	-0.00007786	0.00125319	0.15828269	5.76592170	0.07692445
RelInt RSD	*0.78982814*	*0.52635282*	*60.96762086*	*8.82619804*	*0.33466246*	*0.19520473*	*0.46564528*
RelInt SD	*0.00017953*	*0.02035830*	*0.00004747*	*0.00011061*	*0.00052971*	*0.01125535*	*0.00035820*
Conc Mean	1.04584840[mg/l]	>375.06458000[mg/l]	<-0.00149801[mg/l]	0.01308268[mg/l]	0.50820725[mg/l]	>380.86804000[mg/l]	0.45712841[mg/l]
Conc RSD	*0.79096403*	*0.52639871*	*190.60748826*	*13.12474274*	*0.33500512*	*0.19528099*	*0.46586982*
Conc SD	*0.00827228[mg/l]*	*1.97433510[mg/l]*	*0.00285532[mg/l]*	*0.00171707[mg/l]*	*0.00170252[mg/l]*	*0.74376287[mg/l]*	*0.00212962[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	99937.87300	474132	49171516	322.22628000	380077	903163	14315.23600
Int RSD	*0.09416639*	*0.21461004*	*0.13545425*	*20.02913232*	*0.14872828*	*0.29543100*	*0.69337015*
Int SD	*94.10788800*	*1017.53460*	*66604.90700*	*64.53912800*	*565.28197000*	*2668.22200*	*99.25757300*
RelInt Mean	0.06594243	0.01474507	35.40844600	0.00026836	1.29505260	0.64221590	-0.00017533
RelInt RSD	*0.11781325*	*0.78772128*	*0.19901230*	*35.20916494*	*0.15663151*	*0.36804368*	*29.38126046*
RelInt SD	*0.00007769*	*0.00011615*	*0.07046716*	*0.00009449*	*0.00202846*	*0.00236364*	*0.00005152*
Conc Mean	0.51939075[mg/l]	0.51370386[mg/l]	>141.07443000[mg/l]	<0.13562364[mg/l]	>402.07501000[mg/l]	0.50409086[mg/l]	<-0.00118790[mg/l]
Conc RSD	*0.11790060*	*0.79591099*	*0.19901860*	*57.40918102*	*0.15666351*	*0.36811764*	*33.50354246*
Conc SD	*0.00061236[mg/l]*	*0.00408863[mg/l]*	*0.28076436[mg/l]*	*0.07786042[mg/l]*	*0.62990484[mg/l]*	*0.00185565[mg/l]*	*0.00039799[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	10812.25300	153655	61205.52200	16826.43800	11475.56500	9816.40700	8627.23840
Int RSD	*0.78866464*	*0.33826285*	*0.13742746*	*0.50853142*	*0.72283365*	*0.60604929*	*1.03495599*
Int SD	*85.27241600*	*519.75791000*	*84.11319400*	*85.56772400*	*82.94924500*	*59.49226500*	*89.28812100*
RelInt Mean	0.00665156	0.10433935	0.03344735	0.00006038	-0.00018837	-0.00020486	0.02405030
RelInt RSD	*10.60684145*	*0.31554279*	*0.13059465*	*64.10120422*	*35.98563774*	*26.79477603*	*1.51359322*
RelInt SD	*0.00070552*	*0.00032924*	*0.00004368*	*0.00003871*	*0.00006779*	*0.00005489*	*0.00036402*
Conc Mean	0.17301978[mg/l]	0.93793757[mg/l]	0.97246798[mg/l]	<0.00200377[mg/l]	<-0.01177979[mg/l]	<-0.00433937[mg/l]	0.02305598[mg/l]
Conc RSD	*18.39175671*	*0.31599753*	*0.17772005*	*102.42103876*	*40.07632140*	*24.18095970*	*1.49881105*
Conc SD	*0.03182138[mg/l]*	*0.00296386[mg/l]*	*0.00172827[mg/l]*	*0.00205228[mg/l]*	*0.00472091[mg/l]*	*0.00104930[mg/l]*	*0.00034557[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	69781.09300	10677.96200	92626.33200	1398669	29005768	292481	375175
Int RSD	*1.73448946*	*0.70941139*	*0.55851625*	*0.08114824*	*0.58901216*	*0.21286600*	*0.28539686*
Int SD	*1210.34570*	*75.75067900*	*517.33312000*	*1134.99490*	*170848*	*622.59332000*	*1070.73850*
RelInt Mean	0.00049386	0.00023826	0.00269876	---	---	---	0.25875623
RelInt RSD	*6.34733606*	*43.77867096*	*1.17872415*	---	---	---	*0.32884251*
RelInt SD	*0.00003135*	*0.00010431*	*0.00003181*	---	---	---	*0.00085090*
Conc Mean	0.00485649[mg/l]	0.03344982[mg/l]	0.50567134[mg/l]	1388317	28920899	290585	0.94571838[mg/l]
Conc RSD	*6.32007450*	*38.08539108*	*1.19020985*	---	---	---	*0.32912023*
Conc SD	*0.00030693[mg/l]*	*0.01273949[mg/l]*	*0.00601855[mg/l]*	*1111.27140*	*170742*	*626.96752000*	*0.00311255[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	38298.84800	6972.66080	12662.07300	8473.52920	368450	10258.52100	
Int RSD	*0.42415150*	*2.88893072*	*1.05638595*	*0.97042007*	*0.30041763*	*0.60387946*	
Int SD	*162.44514000*	*201.43534000*	*133.76036000*	*82.22882800*	*1106.88760*	*61.94910100*	
RelInt Mean	0.13057216	0.00113280	0.00246880	0.00032587	0.25849534	0.00031192	
RelInt RSD	*0.11227963*	*24.90554955*	*2.50673348*	*7.24423050*	*0.35776693*	*10.96575305*	
RelInt SD	*0.00014661*	*0.00028213*	*0.00006189*	*0.00002361*	*0.00092481*	*0.00003420*	
Conc Mean	0.50137501[mg/l]	<0.00800518[mg/l]	0.02469997[mg/l]	0.00419923[mg/l]	1.04434070[mg/l]	0.03049717[mg/l]	
Conc RSD	*0.11211394*	*35.99592724*	*4.58202102*	*20.14766727*	*0.35690393*	*9.51029384*	
Conc SD	*0.00056211[mg/l]*	*0.00288154[mg/l]*	*0.00113176[mg/l]*	*0.00084605[mg/l]*	*0.00372729[mg/l]*	*0.00290037[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 465031 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482261233021 File : met06_master Time : 30-JUN-2022 11:10
Cal : 482261233001 Caldate : 30-JUN-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	32899157	33406842	1.54
Yttrium	A	1545938	1601278	3.58
Yttrium	R	312921	311370	-0.50

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICB,1			Sample Type: Control Sample
Measure Date: 2022-06-30 11:10:28	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	50932.02100	2164.50420	3518.76980	7837.82710	7230.49880	1140.00790	6821.16750
Int RSD	*0.42091668*	*2.78451684*	*0.76105757*	*0.56349171*	*0.10323162*	*5.31132846*	*1.12560847*
Int SD	*214.38137000*	*60.27098400*	*26.77986400*	*44.16550600*	*7.46416120*	*60.54956400*	*76.77963900*
RelInt Mean	0.00005660	0.00082884	-0.00004479	0.00083577	0.00008539	0.00253695	-0.00000787
RelInt RSD	*3.64618330*	*17.68931424*	*37.62751093*	*3.52904112*	*5.63134076*	*13.08872794*	*780.38358720*
RelInt SD	*0.00000206*	*0.00014662*	*0.00001685*	*0.00002949*	*0.00000481*	*0.00033205*	*0.00006138*
Conc Mean	<0.00110915[mg/l]	0.04801009[mg/l]	<0.00094998[mg/l]	0.00660275[mg/l]	<0.00014487[mg/l]	<0.01857362[mg/l]	<-0.00016762[mg/l]
Conc RSD	*8.57288672*	*29.61603511*	*106.73169778*	*6.93450005*	*10.09660049*	*118.13751146*	*217.50834845*
Conc SD	*0.00009509[mg/l]*	*0.01421869[mg/l]*	*0.00101393[mg/l]*	*0.00045787[mg/l]*	*0.00001463[mg/l]*	*0.02194242[mg/l]*	*0.00036460[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6332.24470	49409.81700	9626.07630	373.52273000	2608.54320	7702.93230	4666.36450
Int RSD	*0.64842922*	*0.57772019*	*2.47200233*	*4.68485572*	*2.59122164*	*0.46330429*	*0.91207684*
Int SD	*41.06012500*	*285.45049000*	*237.95683000*	*17.49900100*	*67.59313600*	*35.68801600*	*42.56083000*
RelInt Mean	0.00005978	0.00016210	0.00115283	0.00005851	-0.00010994	0.00008972	0.00017538
RelInt RSD	*48.24322492*	*3.84745533*	*13.72361157*	*250.47367791*	*391.27141033*	*4.49723343*	*26.52669605*
RelInt SD	*0.00002884*	*0.00000624*	*0.00015821*	*0.00014655*	*0.00043018*	*0.00000403*	*0.00004652*
Conc Mean	<0.00008413[mg/l]	<0.00036711[mg/l]	0.00185135[mg/l]	<-0.03729918[mg/l]	<-0.11960244[mg/l]	<-0.00003205[mg/l]	0.00152157[mg/l]
Conc RSD	*270.21526504*	*59.80111056*	*34.04841224*	*323.76956531*	*111.69129158*	*9.88428414*	*23.62107336*
Conc SD	*0.00022734[mg/l]*	*0.00021954[mg/l]*	*0.00063036[mg/l]*	*0.12076338[mg/l]*	*0.13358551[mg/l]*	*0.00000317[mg/l]*	*0.00035941[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	10757.68800	7450.76160	7002.75490	4973.83520	3752.74500	3670.34300	1755.51580
Int RSD	*1.37747386*	*0.42068964*	*0.65884469*	*0.50593200*	*0.55650456*	*1.42749555*	*2.13712021*
Int SD	*148.18434000*	*31.34458200*	*46.13727900*	*25.16422400*	*20.88419700*	*52.39398300*	*37.51748300*
RelInt Mean	0.00245933	0.00016075	-0.00001890	0.00000804	0.00000790	0.00010975	-0.00021233
RelInt RSD	*6.23234513*	*21.88586911*	*247.97376223*	*176.38045288*	*107.78303513*	*29.33678312*	*69.06948957*
RelInt SD	*0.00015327*	*0.00003518*	*0.00004686*	*0.00001418*	*0.00000851*	*0.00003220*	*0.00014666*
Conc Mean	<-0.01606420[mg/l]	<0.00008919[mg/l]	<-0.00023445[mg/l]	<0.00227034[mg/l]	<0.00188893[mg/l]	<0.00167462[mg/l]	<0.00002363[mg/l]
Conc RSD	*43.03464804*	*355.11232997*	*624.85664729*	*33.22588336*	*31.37505872*	*36.75239095*	*589.06471075*
Conc SD	*0.00691317[mg/l]*	*0.00031671[mg/l]*	*0.00146496[mg/l]*	*0.00075434[mg/l]*	*0.00059265[mg/l]*	*0.00061546[mg/l]*	*0.00013922[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	55619.10100	3522.11240	12162.80600	1601278	33406842	311370	5031.51180
Int RSD	*1.27151545*	*0.23509751*	*1.38929479*	*0.60316943*	*0.32943066*	*0.65973983*	*1.08795792*
Int SD	*707.20546000*	*8.28039870*	*168.97723000*	*9658.41940*	*110052*	*2054.23480*	*54.74073100*
RelInt Mean	0.00007861	-0.00000929	0.00002615	---	---	---	0.00021994
RelInt RSD	*23.16884129*	*144.59033074*	*15.84440565*	---	---	---	*8.83798890*
RelInt SD	*0.00001821*	*0.00001343*	*0.00000414*	---	---	---	*0.00001944*
Conc Mean	0.00079057[mg/l]	<0.00322163[mg/l]	<0.00002598[mg/l]	1592848	33332505	309273	0.00023252[mg/l]
Conc RSD	*22.55756036*	*50.93188443*	*3018.10784*	---	---	---	*30.60333863*
Conc SD	*0.00017833[mg/l]*	*0.00164084[mg/l]*	*0.00078409[mg/l]*	*9627.37730*	*110190*	*1968.47660*	*0.00007116[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	212.28925000	7687.89490	8698.19800	3822.98390	6918.70220	4303.30240	
Int RSD	*35.55118735*	*3.91461075*	*0.66710309*	*1.91092929*	*0.14599562*	*0.53347717*	
Int SD	*75.47134900*	*300.95116000*	*58.02594800*	*73.05451900*	*10.10100200*	*22.95713600*	
RelInt Mean	-0.00037936	0.00085057	0.00115498	0.00015050	0.00005893	-0.00005482	
RelInt RSD	*45.36075017*	*71.64593095*	*4.06088266*	*28.25701125*	*20.96397365*	*22.11435747*	
RelInt SD	*0.00017208*	*0.00060940*	*0.00004690*	*0.00004253*	*0.00001235*	*0.00001212*	
Conc Mean	<-0.00070835[mg/l]	<0.00512259[mg/l]	<0.00052415[mg/l]	<-0.00208599[mg/l]	<0.00002157[mg/l]	<-0.00060033[mg/l]	
Conc RSD	*93.14273401*	*121.50261453*	*164.45994289*	*73.06346645*	*216.49909266*	*171.22364460*	
Conc SD	*0.00065978[mg/l]*	*0.00622408[mg/l]*	*0.00086202[mg/l]*	*0.00152410[mg/l]*	*0.00004671[mg/l]*	*0.00102791[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 465031 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482261233040 File : met06_master Time : 30-JUN-2022 12:53
Cal : 482261233001 Caldate : 30-JUN-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0305	0.0315	1.000	0.9847	mg/l	-2	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	32899157	30719825	-6.62
Yttrium	A	1545938	1534958	-0.71
Yttrium	R	312921	302490	-3.33

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S16870	Sample Type: Control Sample		
Measure Date: 2022-06-30 12:53:16	Recalculation Date:	State: Check failed	Quality: Failed

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	379483	7037.79810	30765.85800	113083	465467	435417	254228
Int RSD	*1.04537960*	*0.98270199*	*0.56328216*	*0.11431883*	*0.42255830*	*0.37832446*	*0.45670795*
Int SD	*3967.04300*	*69.16058200*	*173.29859000*	*129.27561000*	*1966.87000*	*1647.29030*	*1161.07930*
RelInt Mean	0.01064788	0.01069994	0.01737841	0.06912965	0.29968631	1.44801980	0.16138202
RelInt RSD	*1.02401455*	*0.76697570*	*0.56219081*	*0.33462914*	*0.26943397*	*0.59646564*	*0.37210304*
RelInt SD	*0.00010904*	*0.00008207*	*0.00009770*	*0.00023133*	*0.00080746*	*0.00863694*	*0.00060051*
Conc Mean	0.48913901[mg/l]	1.00530230[mg/l]	1.04812560[mg/l]	1.06678130[mg/l]	0.95860410[mg/l]	95.53733700[mg/l]	0.95745879[mg/l]
Conc RSD	*1.02715173*	*0.79167368*	*0.56105899*	*0.33662674*	*0.26920899*	*0.59739590*	*0.37185686*
Conc SD	*0.00502420[mg/l]*	*0.00795871[mg/l]*	*0.00588060[mg/l]*	*0.00359107[mg/l]*	*0.00258065[mg/l]*	*0.57073613[mg/l]*	*0.00356038[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	187888	864796	386039	38505.65600	101886	1879166	205536
Int RSD	*0.51083357*	*1.19175862*	*0.47208270*	*0.28720898*	*0.25077604*	*0.19605965*	*0.45263575*
Int SD	*959.79600000*	*10306.28000*	*1822.42120*	*110.59170000*	*255.50472000*	*3684.28570*	*930.32864000*
RelInt Mean	0.11819032	0.02660494	0.24710291	0.12674830	0.32908685	1.22584120	0.13133424
RelInt RSD	*0.48483911*	*1.10531689*	*0.43696037*	*0.76877399*	*0.46662114*	*0.18484517*	*0.51472990*
RelInt SD	*0.00057303*	*0.00029407*	*0.00107974*	*0.00097441*	*0.00153559*	*0.00226591*	*0.00067602*
Conc Mean	0.93122412[mg/l]	0.93118409[mg/l]	0.98178538[mg/l]	104.35756000[mg/l]	102.10786000[mg/l]	0.96228565[mg/l]	1.01480670[mg/l]
Conc RSD	*0.48503917*	*1.11165462*	*0.43818077*	*0.76940035*	*0.46700956*	*0.18486097*	*0.51464742*
Conc SD	*0.00451680[mg/l]*	*0.01035155[mg/l]*	*0.00430199[mg/l]*	*0.80292743[mg/l]*	*0.47685347[mg/l]*	*0.00177889[mg/l]*	*0.00522268[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	668191	170742	56059.17700	34922.90400	25471.16300	389941	301554
Int RSD	*0.64111313*	*0.49034311*	*0.15536455*	*0.43901232*	*0.69733918*	*0.34233918*	*0.45102842*
Int SD	*4283.85860*	*837.21968000*	*87.09608800*	*153.31585000*	*177.62040000*	*1334.92020*	*1360.09560*
RelInt Mean	2.18800170	0.10639296	0.03145298	0.01913186	0.01383944	0.25290794	0.99758033
RelInt RSD	*0.48966233*	*0.66969706*	*0.40242051*	*0.52377949*	*0.83249407*	*0.33893498*	*0.59948106*
RelInt SD	*0.01071382*	*0.00071251*	*0.00012657*	*0.00010021*	*0.00011521*	*0.00085719*	*0.00598031*
Conc Mean	98.55930900[mg/l]	0.95642486[mg/l]	0.98473097[mg/l]	1.01238880[mg/l]	0.96516689[mg/l]	4.83405270[mg/l]	0.94722099[mg/l]
Conc RSD	*0.49029333*	*0.67064919*	*0.40224056*	*0.52815744*	*0.83133676*	*0.33896441*	*0.59933661*
Conc SD	*0.48322972[mg/l]*	*0.00641426[mg/l]*	*0.00396099[mg/l]*	*0.00534701[mg/l]*	*0.00802379[mg/l]*	*0.01638572[mg/l]*	*0.00567704[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3183466	16132.14700	172603	1534958	30719825	302490	419136
Int RSD	*1.16429982*	*0.78130512*	*1.18741614*	*0.24070340*	*0.38223629*	*0.69726591*	*0.30984546*
Int SD	*37065.08900*	*126.04129000*	*2049.51850*	*3694.69580*	*117422*	*2109.15820*	*1298.67270*
RelInt Mean	0.10186308	0.00781010	0.00520285	---	---	---	0.27111165
RelInt RSD	*1.01472437*	*0.84570449*	*1.13636501*	---	---	---	*0.30163601*
RelInt SD	*0.00103363*	*0.00006605*	*0.00005912*	---	---	---	*0.00081777*
Conc Mean	0.99742051[mg/l]	0.95291200[mg/l]	0.97903525[mg/l]	1525575	30640195	300359	0.99070767[mg/l]
Conc RSD	*1.01470262*	*0.84345659*	*1.14256591*	---	---	---	*0.30172726*
Conc SD	*0.01012085[mg/l]*	*0.00803740[mg/l]*	*0.01118612[mg/l]*	*3699.46690*	*117449*	*2119.86180*	*0.00298924[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	76811.59700	35531.29800	438978	233956	379699	6058.43090	
Int RSD	*0.59630819*	*0.44205624*	*0.48166501*	*0.45475913*	*0.46537061*	*1.43511669*	
Int SD	*458.03384000*	*157.06832000*	*2114.40390*	*1063.93740*	*1767.00970*	*86.94555300*	
RelInt Mean	0.25436514	0.09337172	0.28229432	0.15043322	0.24349426	0.00063263	
RelInt RSD	*0.37803489*	*0.57359586*	*0.48288039*	*0.35165891*	*0.52578028*	*8.93211240*	
RelInt SD	*0.00096159*	*0.00053558*	*0.00136314*	*0.00052901*	*0.00128024*	*0.00005651*	
Conc Mean	0.97601173[mg/l]	0.95008785[mg/l]	5.13798040[mg/l]	5.38388420[mg/l]	0.97990443[mg/l]	0.05769206[mg/l]	
Conc RSD	*0.37774574*	*0.57574771*	*0.48476454*	*0.35214753*	*0.53003567*	*8.30541265*	
Conc SD	*0.00368684[mg/l]*	*0.00547011[mg/l]*	*0.02490711[mg/l]*	*0.01895922[mg/l]*	*0.00519384[mg/l]*	*0.00479156[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 465031 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482261233041 File : met06_master Time : 30-JUN-2022 12:56
Cal : 482261233001 Caldate : 30-JUN-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	32899157	33754327	2.60
Yttrium	A	1545938	1650947	6.79
Yttrium	R	312921	311579	-0.43

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2022-06-30 12:56:31	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	53067.43400	2187.96690	3803.94990	10506.70400	7723.49540	1166.11470	7311.92220
Int RSD	*0.18556271*	*1.97418238*	*0.32906198*	*0.16568749*	*0.92166692*	*12.37616763*	*0.28981283*
Int SD	*98.47336800*	*43.19445700*	*12.51735300*	*17.40829400*	*71.18490200*	*144.32031000*	*21.19088900*
RelInt Mean	0.00003516	0.00084520	-0.00001881	0.00216119	0.00008736	0.00283604	0.00000669
RelInt RSD	*13.52391840*	*45.87468527*	*53.03268499*	*1.04043229*	*41.72070830*	*15.53218233*	*96.42859962*
RelInt SD	*0.00000475*	*0.00038773*	*0.00000997*	*0.00002249*	*0.00003645*	*0.00044050*	*0.00000645*
Conc Mean	<0.00012121[mg/l]	<0.04959682[mg/l]	<0.00251287[mg/l]	0.02717834[mg/l]	<0.00014731[mg/l]	<0.03833815[mg/l]	<-0.00008481[mg/l]
Conc RSD	*180.74009606*	*75.81537993*	*23.86506439*	*1.28434753*	*79.03769121*	*75.92586038*	*47.18708378*
Conc SD	*0.00021907[mg/l]*	*0.03760202[mg/l]*	*0.00059970[mg/l]*	*0.00034906[mg/l]*	*0.00011643[mg/l]*	*0.02910857[mg/l]*	*0.00004002[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6733.22380	52469.87700	9505.35000	372.91302000	2667.64570	8347.99580	5214.18930
Int RSD	*0.78760699*	*1.07440284*	*1.45875607*	*19.86268594*	*3.76717455*	*0.52426765*	*3.45817192*
Int SD	*53.03134100*	*563.73785000*	*138.65987000*	*74.07054200*	*100.49487000*	*43.76584100*	*180.31563000*
RelInt Mean	0.00006599	0.00018267	0.00072254	0.00011444	-0.00002473	0.00015702	0.00031270
RelInt RSD	*46.52793015*	*8.41965639*	*10.54897821*	*191.38938652*	*1166.69519*	*21.23524964*	*39.59468439*
RelInt SD	*0.00003070*	*0.00001538*	*0.00007622*	*0.00021902*	*0.00028853*	*0.00003334*	*0.00012381*
Conc Mean	<0.00013301[mg/l]	<0.00109133[mg/l]	<0.00013693[mg/l]	<0.00878507[mg/l]	<-0.09314066[mg/l]	<0.00002079[mg/l]	0.00258245[mg/l]
Conc RSD	*181.94092652*	*49.60953634*	*221.78534368*	*2054.35925*	*96.19614054*	*125.92588905*	*37.03931076*
Conc SD	*0.00024200[mg/l]*	*0.00054140[mg/l]*	*0.00030368[mg/l]*	*0.18047683[mg/l]*	*0.08959772[mg/l]*	*0.00002618[mg/l]*	*0.00095652[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	12213.24500	7929.57940	7453.48050	5346.07810	4045.73670	4157.62870	1791.49690
Int RSD	*1.18231174*	*0.52528901*	*0.42707137*	*0.55013315*	*0.96622662*	*3.85483894*	*6.78059337*
Int SD	*144.39863000*	*41.65320900*	*31.83168100*	*29.41054800*	*39.09098500*	*160.26989000*	*121.47412000*
RelInt Mean	0.00716063	0.00013583	-0.00002704	0.00002493	0.00002614	0.00025818	-0.00004827
RelInt RSD	*4.55434567*	*11.82037411*	*58.22197906*	*106.58841671*	*43.59056869*	*33.32396743*	*330.21951587*
RelInt SD	*0.00032612*	*0.00001606*	*0.00001574*	*0.00002658*	*0.00001140*	*0.00008603*	*0.00015938*
Conc Mean	0.19598047[mg/l]	<-0.00013515[mg/l]	<-0.00048974[mg/l]	<0.00316727[mg/l]	0.00315988[mg/l]	0.00451190[mg/l]	<0.00017938[mg/l]
Conc RSD	*7.50539480*	*106.94563347*	*100.03279518*	*44.54178684*	*25.11802024*	*36.45039736*	*84.34706399*
Conc SD	*0.01470911[mg/l]*	*0.00014453[mg/l]*	*0.00048990[mg/l]*	*0.00141076[mg/l]*	*0.00079370[mg/l]*	*0.00164461[mg/l]*	*0.00015130[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	65893.89000	3831.17760	12902.02200	1650947	33754327	311579	5424.29790
Int RSD	*5.90308464*	*1.12244877*	*0.41031022*	*0.14110326*	*0.45896382*	*0.50091776*	*0.62398689*
Int SD	*3889.77210*	*43.00300600*	*52.93831500*	*2329.53970*	*154920*	*1560.75290*	*33.84690800*
RelInt Mean	0.00029876	0.00002919	0.00002933	---	---	---	0.00024192
RelInt RSD	*37.93198833*	*121.31851797*	*9.25133541*	---	---	---	*16.36645786*
RelInt SD	*0.00011332*	*0.00003542*	*0.00000271*	---	---	---	*0.00003959*
Conc Mean	0.00294614[mg/l]	0.00791276[mg/l]	<0.00062662[mg/l]	1641978	33676817	309448	0.00031290[mg/l]
Conc RSD	*37.66343626*	*54.59827053*	*81.90717233*	---	---	---	*46.25733210*
Conc SD	*0.00110962[mg/l]*	*0.00432023[mg/l]*	*0.00051325[mg/l]*	*2329.96760*	*155096*	*1629.91510*	*0.00014474[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	284.87606000	7927.30720	9303.70640	4046.95690	7415.18870	5094.79280	
Int RSD	*10.97200481*	*1.57354871*	*0.77614889*	*1.63704014*	*0.11770934*	*1.39112951*	
Int SD	*31.25661500*	*124.74004000*	*72.21061400*	*66.25030900*	*8.72837000*	*70.87516600*	
RelInt Mean	-0.00014981	0.00128117	0.00119472	0.00012189	0.00008729	0.00026591	
RelInt RSD	*120.20653850*	*9.34550730*	*5.40661650*	*34.08150545*	*36.79226878*	*20.34783351*	
RelInt SD	*0.00018008*	*0.00011973*	*0.00006459*	*0.00004154*	*0.00003212*	*0.00005411*	
Conc Mean	<0.00017178[mg/l]	<0.00952056[mg/l]	<0.00122966[mg/l]	<-0.00311140[mg/l]	<0.00013051[mg/l]	0.02659549[mg/l]	
Conc RSD	*401.93319165*	*12.84464779*	*94.67331900*	*47.84912554*	*99.40652894*	*17.25090047*	
Conc SD	*0.00069045[mg/l]*	*0.00122288[mg/l]*	*0.00116416[mg/l]*	*0.00148878[mg/l]*	*0.00012973[mg/l]*	*0.00458796[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 465031 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482261233052 File : met06_master Time : 30-JUN-2022 14:43
Cal : 482261233001 Caldate : 30-JUN-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0305	0.0321	1.000	1.004	mg/l	0	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	32899157	31092125	-5.49
Yttrium	A	1545938	1591542	2.95
Yttrium	R	312921	300966	-3.82

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S16870	Sample Type: Control Sample		
Measure Date: 2022-06-30 14:43:39	Recalculation Date:	State: Check failed	Quality: Failed

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	395999	7265.53200	32458.51900	114922	487464	435822	269733
Int RSD	*0.85136010*	*1.37716564*	*0.49272263*	*0.40063983*	*0.26009068*	*0.06836905*	*0.37164871*
Int SD	*3371.37800*	*100.05841000*	*159.93047000*	*460.42527000*	*1267.84920*	*297.96729000*	*1002.45740*
RelInt Mean	0.01092118	0.01085644	0.01762411	0.06746807	0.30265177	1.45720980	0.16507417
RelInt RSD	*0.85200877*	*3.53512149*	*0.58034854*	*0.17858382*	*0.17000531*	*0.35406971*	*0.27712176*
RelInt SD	*0.00009305*	*0.00038379*	*0.00010228*	*0.00012049*	*0.00051452*	*0.00515954*	*0.00045746*
Conc Mean	0.50173212[mg/l]	1.02048010[mg/l]	1.06289450[mg/l]	1.04098730[mg/l]	0.96812911[mg/l]	96.14461600[mg/l]	0.97937218[mg/l]
Conc RSD	*0.85455532*	*3.64726093*	*0.57884541*	*0.17968051*	*0.16921309*	*0.35461742*	*0.27731487*
Conc SD	*0.00428758[mg/l]*	*0.03721957[mg/l]*	*0.00615252[mg/l]*	*0.00187045[mg/l]*	*0.00163820[mg/l]*	*0.34094556[mg/l]*	*0.00271594[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	197248	877624	401882	38842.07500	101655	1935179	213211
Int RSD	*0.08774414*	*1.21926381*	*0.20245436*	*0.42529631*	*0.49776356*	*0.24456078*	*0.18187167*
Int SD	*173.07339000*	*10700.55300*	*813.62747000*	*165.19391000*	*506.00070000*	*4732.68870*	*387.77103000*
RelInt Mean	0.11958280	0.02659240	0.24793887	0.12839984	0.32939434	1.21747030	0.13128488
RelInt RSD	*0.25097736*	*1.17931635*	*0.48557066*	*0.69617366*	*0.90761471*	*0.30312573*	*0.41257568*
RelInt SD	*0.00030013*	*0.00031361*	*0.00120392*	*0.00089389*	*0.00298963*	*0.00369047*	*0.00054165*
Conc Mean	0.94220001[mg/l]	0.93074286[mg/l]	0.98511611[mg/l]	105.71846000[mg/l]	102.20335000[mg/l]	0.95571379[mg/l]	1.01442540[mg/l]
Conc RSD	*0.25108015*	*1.18608065*	*0.48692094*	*0.69673804*	*0.90837463*	*0.30315975*	*0.41250723*
Conc SD	*0.00236568[mg/l]*	*0.01103936[mg/l]*	*0.00479674[mg/l]*	*0.73658073[mg/l]*	*0.92838930[mg/l]*	*0.00289734[mg/l]*	*0.00418458[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	662580	181738	59450.95700	36911.91700	26602.89700	413778	298458
Int RSD	*0.45697664*	*0.36944645*	*0.13276117*	*0.32369676*	*1.01691049*	*0.21626400*	*0.32722732*
Int SD	*3027.83490*	*671.42389000*	*78.92778600*	*119.48268000*	*270.52765000*	*894.85318000*	*976.63687000*
RelInt Mean	2.17955990	0.10916928	0.03206991	0.01941650	0.01383870	0.25882391	0.99219337
RelInt RSD	*0.60384906*	*0.39618203*	*0.40822144*	*0.06368214*	*0.86796083*	*0.22194597*	*0.27612089*
RelInt SD	*0.01316125*	*0.00043251*	*0.00013092*	*0.00001236*	*0.00012011*	*0.00057445*	*0.00273965*
Conc Mean	98.17855600[mg/l]	0.98141813[mg/l]	1.00403950[mg/l]	1.02744030[mg/l]	0.96511522[mg/l]	4.94713980[mg/l]	0.94210721[mg/l]
Conc RSD	*0.60463098*	*0.39672642*	*0.40753712*	*0.06495379*	*0.86675766*	*0.22196512*	*0.27605472*
Conc SD	*0.59361797[mg/l]*	*0.00389355[mg/l]*	*0.00409183[mg/l]*	*0.00066736[mg/l]*	*0.00836521[mg/l]*	*0.01098092[mg/l]*	*0.00260073[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3287118	16789.72700	180811	1591542	31092125	300966	452606
Int RSD	*1.00765722*	*0.43259312*	*1.00476170*	*0.32577808*	*0.18446127*	*0.37692307*	*0.22124255*
Int SD	*33122.88300*	*72.63120400*	*1816.72260*	*5184.89600*	*57352.92800*	*1134.41150*	*1001.35800*
RelInt Mean	0.10385976	0.00772749	0.00537134	---	---	---	0.28240811
RelInt RSD	*0.94896120*	*0.69958910*	*0.96136664*	---	---	---	*0.25237057*
RelInt SD	*0.00098559*	*0.00005406*	*0.00005164*	---	---	---	*0.00071271*
Conc Mean	1.01697110[mg/l]	0.94277589[mg/l]	1.01091340[mg/l]	1581496	31007215	298678	1.03202550[mg/l]
Conc RSD	*0.94894770*	*0.69885317*	*0.96647810*	---	---	---	*0.25252027*
Conc SD	*0.00965052[mg/l]*	*0.00658862[mg/l]*	*0.00977026[mg/l]*	*5186.85630*	*57130.25500*	*1155.08090*	*0.00260607[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	75585.72900	35763.26600	460605	249756	395544	5782.22800	
Int RSD	*0.72083628*	*0.25144884*	*0.28758894*	*0.23905253*	*0.23269081*	*0.40865964*	
Int SD	*544.84936000*	*89.92631800*	*1324.64850*	*597.04715000*	*920.39520000*	*23.62963200*	
RelInt Mean	0.25166716	0.09339374	0.28564274	0.15493484	0.24451726	0.00023711	
RelInt RSD	*0.87495063*	*0.21194910*	*0.26226455*	*0.13583485*	*0.33002534*	*4.16607464*	
RelInt SD	*0.00220196*	*0.00019795*	*0.00074914*	*0.00021046*	*0.00080697*	*0.00000988*	
Conc Mean	0.96566736[mg/l]	0.95031270[mg/l]	5.19944870[mg/l]	5.54521710[mg/l]	0.98398453[mg/l]	0.02415336[mg/l]	
Conc RSD	*0.87427428*	*0.21274468*	*0.26288929*	*0.13601759*	*0.33264392*	*3.46788836*	
Conc SD	*0.00844258[mg/l]*	*0.00202174[mg/l]*	*0.01366879[mg/l]*	*0.00754247[mg/l]*	*0.00327316[mg/l]*	*0.00083761[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 465031 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482261233053 File : met06_master Time : 30-JUN-2022 14:46
Cal : 482261233001 Caldate : 30-JUN-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	32899157	34035884	3.46
Yttrium	A	1545938	1712809	10.79
Yttrium	R	312921	309751	-1.01

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2022-06-30 14:46:55	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	57751.83200	2279.62760	4085.34550	9225.61950	8318.92600	1337.57990	7880.90130
Int RSD	*0.46113420*	*5.22393526*	*1.11054076*	*0.54657773*	*0.26684722*	*3.22150183*	*0.46367455*
Int SD	*266.31345000*	*119.08627000*	*45.36942700*	*50.42518200*	*22.19882300*	*43.09016100*	*36.54173400*
RelInt Mean	0.00004527	0.00022716	-0.00004191	0.00099467	0.00006830	0.00325648	-0.00002514
RelInt RSD	*14.93314092*	*167.17908897*	*32.43592400*	*2.69097084*	*41.35510999*	*3.78719534*	*45.32027837*
RelInt SD	*0.00000676*	*0.00037976*	*0.00001359*	*0.00002677*	*0.00002824*	*0.00012333*	*0.00001139*
Conc Mean	<0.00058741[mg/l]	<-0.01034046[mg/l]	<0.00112346[mg/l]	0.00906944[mg/l]	<0.00008545[mg/l]	0.06612083[mg/l]	<-0.00027457[mg/l]
Conc RSD	*53.03289261*	*356.16160938*	*72.78074717*	*4.58145448*	*107.42912373*	*12.32546246*	*24.38809287*
Conc SD	*0.00031152[mg/l]*	*0.03682876[mg/l]*	*0.00081766[mg/l]*	*0.00041551[mg/l]*	*0.00009179[mg/l]*	*0.00814970[mg/l]*	*0.00006696[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7273.24750	56770.62100	10942.24500	487.62599000	2966.66450	9058.93850	5670.23050
Int RSD	*0.28465208*	*1.45746972*	*4.58916420*	*10.23487263*	*1.36662454*	*0.13741101*	*3.95016446*
Int SD	*20.70345000*	*827.41461000*	*502.15759000*	*49.90789900*	*40.54316500*	*12.44797900*	*223.98343000*
RelInt Mean	0.00005144	0.00019585	0.00114948	0.00000068	-0.00019205	0.00020285	0.00033494
RelInt RSD	*19.39614448*	*10.84304519*	*25.83096748*	*34836.11251*	*47.33154765*	*1.28885304*	*39.84252816*
RelInt SD	*0.00000998*	*0.00002124*	*0.00029692*	*0.00023588*	*0.00009090*	*0.00000261*	*0.00013345*
Conc Mean	<0.00001836[mg/l]	0.00155515[mg/l]	<0.00183799[mg/l]	<-0.08495522[mg/l]	<-0.14509945[mg/l]	0.00005677[mg/l]	0.00275429[mg/l]
Conc RSD	*428.43120132*	*48.06778797*	*64.36494095*	*228.79311814*	*19.45409097*	*3.61564016*	*37.43159124*
Conc SD	*0.00007864[mg/l]*	*0.00074752[mg/l]*	*0.00118302[mg/l]*	*0.19437169[mg/l]*	*0.02822778[mg/l]*	*0.00000205[mg/l]*	*0.00103097[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	12147.42600	8541.91220	8096.70570	5775.95720	4403.53960	4547.11990	2064.54090
Int RSD	*1.25948905*	*0.52611625*	*0.57727314*	*0.45860593*	*0.68048908*	*3.80506307*	*2.97571344*
Int SD	*152.99550000*	*44.94038800*	*46.74010700*	*26.48888200*	*29.96560600*	*173.02078000*	*61.43482100*
RelInt Mean	0.00475892	0.00011946	-0.00004446	0.00001302	0.00002961	0.00028950	-0.00014776
RelInt RSD	*1.81028632*	*26.36524525*	*99.19056564*	*160.29587533*	*117.86638806*	*35.98830416*	*37.20203957*
RelInt SD	*0.00008615*	*0.00003150*	*0.00004410*	*0.00002087*	*0.00003490*	*0.00010419*	*0.00005497*
Conc Mean	0.08765515[mg/l]	<-0.00028247[mg/l]	<-0.00102288[mg/l]	<0.00253506[mg/l]	<0.00340092[mg/l]	0.00511061[mg/l]	<0.00008493[mg/l]
Conc RSD	*4.43289275*	*100.37894261*	*135.60235907*	*43.70193564*	*71.45782612*	*38.96915801*	*61.43658157*
Conc SD	*0.00388566[mg/l]*	*0.00028354[mg/l]*	*0.00138704[mg/l]*	*0.00110787[mg/l]*	*0.00243022[mg/l]*	*0.00199156[mg/l]*	*0.00005218[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	71900.16000	4134.19580	13984.98900	1712809	34035884	309751	5915.68860
Int RSD	*7.79677097*	*0.81436658*	*0.52544550*	*0.29403177*	*0.30878810*	*0.70594899*	*0.65249215*
Int SD	*5605.89080*	*33.66750900*	*73.48349500*	*5036.20270*	*105099*	*2186.68520*	*38.59940400*
RelInt Mean	0.00033248	0.00000666	0.00002658	---	---	---	0.00026946
RelInt RSD	*49.89409275*	*212.53889986*	*7.36335511*	---	---	---	*13.32100536*
RelInt SD	*0.00016589*	*0.00001415*	*0.00000196*	---	---	---	*0.00003589*
Conc Mean	0.00327640[mg/l]	0.00515940[mg/l]	<0.00010584[mg/l]	1703173	33952832	307367	0.00041370[mg/l]
Conc RSD	*49.57645618*	*33.39638913*	*350.12300275*	---	---	---	*31.74036516*
Conc SD	*0.00162432[mg/l]*	*0.00172305[mg/l]*	*0.00037058[mg/l]*	*5053.79800*	*105137*	*2197.38620*	*0.00013131[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	276.49007000	8176.34850	10066.58000	4349.73310	8016.93330	5088.26710	
Int RSD	*8.14938960*	*2.85541217*	*0.13263514*	*1.36507284*	*0.47071801*	*0.45534693*	
Int SD	*22.53225300*	*233.46845000*	*13.35182200*	*59.37702500*	*37.73714900*	*23.16926800*	
RelInt Mean	-0.00015778	0.00070622	0.00125149	0.00015079	0.00007459	0.00005879	
RelInt RSD	*85.12861016*	*81.86925763*	*1.12623500*	*17.99458622*	*14.37851070*	*30.63619547*	
RelInt SD	*0.00013432*	*0.00057818*	*0.00001409*	*0.00002713*	*0.00001073*	*0.00001801*	
Conc Mean	<0.00014120[mg/l]	<0.00364834[mg/l]	0.00226771[mg/l]	<-0.00207569[mg/l]	0.00008424[mg/l]	0.00903325[mg/l]	
Conc RSD	*364.73048958*	*161.86116888*	*10.38706255*	*46.84843598*	*47.92378822*	*16.90804049*	
Conc SD	*0.00051500[mg/l]*	*0.00590525[mg/l]*	*0.00023555[mg/l]*	*0.00097243[mg/l]*	*0.00004037[mg/l]*	*0.00152735[mg/l]*	

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number:	465035
Report Level:	IV
Report Date:	01/21/2023

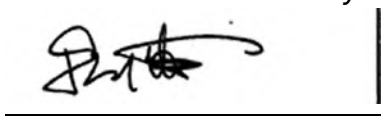
PCBs

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

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Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	465035
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	06/29/22

Sample ID	Lab ID	Collected	Matrix
DOOR-N-0.1GW-INT-26 TO 27-220628-P-CB	465035-001	06/28/22 09:19	Wipe
DOOR-N-0.2GW-EXT-10 TO 11-220628-P-CB	465035-004	06/28/22 12:39	Wipe
DOOR-N-0.3GW-INT-25 TO 26-220628-P-CB	465035-006	06/28/22 12:49	Wipe
DOOR-N-0.5GW-DG-12 TO 26-220628-P-LA	465035-008	06/28/22 09:37	Wipe
DOOR-N-0.7GW-EXT-11 TO 12-220628-P-CB	465035-010	06/28/22 09:53	Wipe
DOOR-N-0.9GW-INT-25 TO 26-220628-P-CB	465035-012	06/28/22 13:11	Wipe
DOOR-N-0.3GE-DG-12 TO 25-220628-P-LA	465035-014	06/28/22 10:43	Wipe
DOOR-N-0.5GE-DG-11 TO 25-220628-P-LA	465035-016	06/28/22 13:41	Wipe
DOOR-N-0.8GE-EXT-10 TO 11-220628-P-CB	465035-018	06/28/22 13:27	Wipe
DOOR-N-0.9GE-DG-12 TO 26-220628-P-LA	465035-020	06/28/22 10:27	Wipe
DOOR-N-0.9GE-PS-25-220628-P-LA	465035-022	06/28/22 10:05	Wipe
DOOR-N-0.9GE-PS-25-220628-P-DUP-LA	465035-023	06/28/22 10:05	Wipe
220628-P-MEDBLANK	465035-025	06/28/22 15:45	Wipe

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Case Narrative

PCBS (EPA 8082)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 465035 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 06/29/22

This data package contains sample and QC results for thirteen wipe samples, requested for the above referenced project on 06/29/22. See attached cooler receipt form for any sample receipt problems or discrepancies. Reissued on 1/21/23 to revise the PCB extraction method.

PCBs (EPA 8082):

- Low recovery was observed for Aroclor-1016 in the BSD for batch 292307; the low recovery was confirmed by re-analysis. High RPD was also observed for Aroclor-1016 in the BS/BSD for batch 292307; this analyte was not detected at or above the RL in the associated samples.
- Low surrogate recoveries were observed in the method blank/BS/BSD for batch 292307; these low surrogate recoveries were confirmed by re-analysis.
- No other analytical problems were encountered.

Chain of Custody

465035

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Chain of Custody Record

COC ID:

Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim and T. Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	DOOR-N-0.1GW-INT-26 TO 27-220628-P-CB	6/28/2022	0919	WP	1		X			**Confirmation Wipe Samples - Level II Report/Stage 2A Validation**
2	DOOR-N-0.1GW-INT-26 TO 27-220628-L-CB	6/28/2022	0919	WP	1			X		Report PCB concentrations on a µg/100cm² basis
3	DOOR-N-0.1GW-INT-26 TO 27-220628-L-DUP-CB	6/28/2022	0919	WP	1			X		Report lead concentrations on a µg/ft² basis
4	DOOR-N-0.2GW-EXT-10 TO 11-220628-P-CB	6/28/2022	1239	WP	1		X			Report Aroclor 1268 concentrations in addition to the standard Aroclors
5	DOOR-N-0.2GW-EXT-10 TO 11-220628-L-CB	6/28/2022	1239	WP	1			X		Report requires Stage 3 Data Validation
6	DOOR-N-0.3GW-INT-25 TO 26-220628-P-CB	6/28/2022	1249	WP	1		X			
7	DOOR-N-0.3GW-INT-25 TO 26-220628-L-CB	6/28/2022	1249	WP	1			X		
8	DOOR-N-0.5GW-DG-12 TO 26-220628-P-LA	6/28/2022	0937	WP	1		X			
9	DOOR-N-0.5GW-DG-12 TO 26-220628-L-LA	6/28/2022	0937	WP	1			X		Total sample area: 1.0276 ft²
10	DOOR-N-0.7GW-EXT-11 TO 12-220628-P-CB	6/28/2022	0953	WP	1		X			
11	DOOR-N-0.7GW-EXT-11 TO 12-220628-L-CB	6/28/2022	0953	WP	1			X		
12	DOOR-N-0.9GW-INT-25 TO 26-220628-P-CB	6/28/2022	1311	WP	1		X			
13	DOOR-N-0.9GW-INT-25 TO 26-220628-L-CB	6/28/2022	1311	WP	1			X		
14	DOOR-N-0.3GE-DG-12 TO 25-220628-P-LA	6/28/2022	1043	WP	1		X			
15	DOOR-N-0.3GE-DG-12 TO 25-220628-L-LA	6/28/2022	1043	WP	1			X		Total sample area: 1.0276 ft²

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Tyler Sinnott	Rincon / Envi. Scientist	6/29/22 / 1144
[1] Received By:	Audrey Hudson	Audrey Hudson	Enthalpy "	6/29/22 11:44
[2] Relinquished By:	Audrey Hudson	Audrey Hudson	"	6/29/22 15:45
[2] Received By:		Maxwell	B/A	6/29/22 15:45
[3] Relinquished By:		Lisa Fang	EA	6/29/22 17:42
[3] Received By:		Yakir	ea	6/30/2022 08:22

465035

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Chain of Custody Record

COC ID:

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim and T. Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
16	DOOR-N-0.5GE-DG-11 TO 25-220628-P-LA	6/28/2022	1341	WP	1		X			**Confirmation Wipe Samples - Level II Report/Stage 2A Validation** Report PCB concentrations on a µg/100cm² basis Report lead concentrations on a µg/ft² basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Report requires Stage 3 Data Validation
17	DOOR-N-0.5GE-DG-11 TO 25-220628-L-LA	6/28/2022	1341	WP	1			X		Total sample area: 1.0276 ft²
18	DOOR-N-0.8GE-EXT-10 TO 11-220628-P-CB	6/28/2022	1327	WP	1		X			
19	DOOR-N-0.8GE-EXT-10 TO 11-220628-L-CB	6/28/2022	1327	WP	1			X		
20	DOOR-N-0.9GE-DG-12 TO 26-220628-P-LA	6/28/2022	1027	WP	1		X			
21	DOOR-N-0.9GE-DG-12 TO 26-220628-L-LA	6/28/2022	1027	WP	1			X		Total sample area: 1.0276 ft²
22	DOOR-N-0.9GE-PS-25-220628-P-LA	6/28/2022	1005	WP	1		X			
23	DOOR-N-0.9GE-PS-25-220628-P-DUP-LA	6/28/2022	1005	WP	1		X			
24	DOOR-N-0.9GE-PS-25-220628-L-LA	6/28/2022	1005	WP	1			X		Total sample area: 1.0276 ft²
25	220628-P-MEDBLANK	6/28/2022	1545	WP	1		X			
26	220628-L-MEDBLANK	6/28/2022	1546	WP	1			X		
27										
28										
29										
30										

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Tyler Sinnott	Rincon / Envi. Scientist	6/29/22 / 1144
[1] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	6/29/22 11:44
[2] Relinquished By:	Audrey Hudson	"	"	6/29/22 15:45
[2] Received By:			BM	6/29/22 15:45
[3] Relinquished By:			FEA	6/30/22 17:42
[3] Received By:			ec	6/30/22 08:20

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 465035 Client: Ramcon

Date Received: 6/24/22 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No (**skip Section 3 below**)

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☑ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 6/29/22 By (print) MY (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☐ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: 5.4, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 6/29/22 **By (print)** MY **(sign)** _____

Date Labeled 6/29/22 **By (print)** LEP **(sign)** _____

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon

Project: Hangar 1 - NCTRA WP

Date Received: 6/30/2022

Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 4.5 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: Greyhound

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.4 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Yanitz Date: 6/30/2022

S/4.5

9/1.4

Results & QC Summary

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 465035 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.1GW-INT-26 TO 27-220628-P-CB **Batch#:** 292307 **Prep:** EPA 3572M
Type: SAMPLE **Sampled:** 06/28/22 **Analysis:** EPA 8082
Lab ID: 465035-001 **Received:** 06/29/22 **Analyst:** TRN
Matrix: Wipe **Prepared:** 07/05/22
Dil n Fac: 1.000 **Analyzed:** 07/07/22

465035-001 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465035-001 Surrogate	%REC	Limits
TCMX (PCB)	55	52-186
Decachlorobiphenyl (PCB)	51	50-150

Field ID: DOOR-N-0.2GW-EXT-10 TO 11-220628-P-CB **Batch#:** 292307 **Prep:** EPA 3572M
Type: SAMPLE **Sampled:** 06/28/22 **Analysis:** EPA 8082
Lab ID: 465035-004 **Received:** 06/29/22 **Analyst:** TRN
Matrix: Wipe **Prepared:** 07/05/22
Dil n Fac: 1.000 **Analyzed:** 07/07/22

465035-004 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465035-004 Surrogate	%REC	Limits
TCMX (PCB)	57	52-186
Decachlorobiphenyl (PCB)	56	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 465035 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.3GW-INT-25 TO 26-220628-P-CB **Batch#:** 292307 **Prep:** EPA 3572M
Type: SAMPLE **Sampled:** 06/28/22 **Analysis:** EPA 8082
Lab ID: 465035-006 **Received:** 06/29/22 **Analyst:** TRN
Matrix: Wipe **Prepared:** 07/05/22
Dil Fac: 1.000 **Analyzed:** 07/07/22

465035-006 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465035-006 Surrogate	%REC	Limits
TCMX (PCB)	56	52-186
Decachlorobiphenyl (PCB)	54	50-150

Field ID: DOOR-N-0.5GW-DG-12 TO 26-220628-P-LA **Batch#:** 292307 **Prep:** EPA 3572M
Type: SAMPLE **Sampled:** 06/28/22 **Analysis:** EPA 8082
Lab ID: 465035-008 **Received:** 06/29/22 **Analyst:** TRN
Matrix: Wipe **Prepared:** 07/05/22
Dil Fac: 1.000 **Analyzed:** 07/07/22

465035-008 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465035-008 Surrogate	%REC	Limits
TCMX (PCB)	54	52-186
Decachlorobiphenyl (PCB)	50	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 465035 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.7GW-EXT-11 TO 12-220628-P-CB **Batch#:** 292307 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 06/28/22 **Analysis:** EPA 8082

Lab ID: 465035-010 **Received:** 06/29/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/05/22

Diln Fac: 1.000 **Analyzed:** 07/07/22

465035-010 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465035-010 Surrogate	%REC	Limits
TCMX (PCB)	54	52-186
Decachlorobiphenyl (PCB)	52	50-150

Field ID: DOOR-N-0.9GW-INT-25 TO 26-220628-P-CB **Batch#:** 292307 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 06/28/22 **Analysis:** EPA 8082

Lab ID: 465035-012 **Received:** 06/29/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/05/22

Diln Fac: 1.000 **Analyzed:** 07/07/22

465035-012 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465035-012 Surrogate	%REC	Limits
TCMX (PCB)	60	52-186
Decachlorobiphenyl (PCB)	66	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 465035 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.3GE-DG-12 TO 25-220628-P-LA **Batch#:** 292307 **Prep:** EPA 3572M
Type: SAMPLE **Sampled:** 06/28/22 **Analysis:** EPA 8082
Lab ID: 465035-014 **Received:** 06/29/22 **Analyst:** TRN
Matrix: Wipe **Prepared:** 07/05/22
Diln Fac: 1.000 **Analyzed:** 07/07/22

465035-014 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465035-014 Surrogate	%REC	Limits
TCMX (PCB)	56	52-186
Decachlorobiphenyl (PCB)	53	50-150

Field ID: DOOR-N-0.5GE-DG-11 TO 25-220628-P-LA **Batch#:** 292307 **Prep:** EPA 3572M
Type: SAMPLE **Sampled:** 06/28/22 **Analysis:** EPA 8082
Lab ID: 465035-016 **Received:** 06/29/22 **Analyst:** TRN
Matrix: Wipe **Prepared:** 07/05/22
Diln Fac: 1.000 **Analyzed:** 07/08/22

465035-016 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465035-016 Surrogate	%REC	Limits
TCMX (PCB)	54	52-186
Decachlorobiphenyl (PCB)	54	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 465035 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.8GE-EXT-10 TO 11-220628-P-CB **Batch#:** 292307 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 06/28/22 **Analysis:** EPA 8082

Lab ID: 465035-018 **Received:** 06/29/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/05/22

Diln Fac: 1.000 **Analyzed:** 07/08/22

465035-018 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465035-018 Surrogate	%REC	Limits
TCMX (PCB)	55	52-186
Decachlorobiphenyl (PCB)	53	50-150

Field ID: DOOR-N-0.9GE-DG-12 TO 26-220628-P-LA **Batch#:** 292307 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 06/28/22 **Analysis:** EPA 8082

Lab ID: 465035-020 **Received:** 06/29/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/05/22

Diln Fac: 1.000 **Analyzed:** 07/08/22

465035-020 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465035-020 Surrogate	%REC	Limits
TCMX (PCB)	54	52-186
Decachlorobiphenyl (PCB)	54	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 465035 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.9GE-PS-25-220628-P-LA **Batch#:** 292307 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 06/28/22 **Analysis:** EPA 8082

Lab ID: 465035-022 **Received:** 06/29/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/05/22

Dil n Fac: 1.000 **Analyzed:** 07/08/22

465035-022 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465035-022 Surrogate	%REC	Limits
TCMX (PCB)	57	52-186
Decachlorobiphenyl (PCB)	52	50-150

Field ID: DOOR-N-0.9GE-PS-25-220628-P-DUP-LA **Batch#:** 292307 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 06/28/22 **Analysis:** EPA 8082

Lab ID: 465035-023 **Received:** 06/29/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/05/22

Dil n Fac: 1.000 **Analyzed:** 07/08/22

465035-023 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465035-023 Surrogate	%REC	Limits
TCMX (PCB)	58	52-186
Decachlorobiphenyl (PCB)	57	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 465035 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: 220628-P-MEDBLANK **Batch#:** 292307 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 06/28/22 **Analysis:** EPA 8082

Lab ID: 465035-025 **Received:** 06/29/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/05/22

Dil n Fac: 1.000 **Analyzed:** 07/08/22

465035-025 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

465035-025 Surrogate	%REC	Limits
TCMX (PCB)	56	52-186
Decachlorobiphenyl (PCB)	59	50-150

Type: BLANK **Batch#:** 292307 **Analysis:** EPA 8082

Lab ID: QC998414 **Prepared:** 07/05/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/07/22

Dil n Fac: 1.000 **Prep:** EPA 3572M

QC998414 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC998414 Surrogate	%REC	Limits
TCMX (PCB)	53	52-186
Decachlorobiphenyl (PCB)	53 *	60-140

Legend

***:** Value is outside QC limits

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 465035 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 292307 **Analysis:** EPA 8082

Lab ID: QC998415 **Prepared:** 07/05/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/08/22

Diln Fac: 1.000 **Prep:** EPA 3580

Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	3.818	76	60-140	ug/100 cm2
Aroclor-1260	5.000	3.714	74	60-140	ug/100 cm2

Surrogate	%REC	Limits
TCMX (PCB)	52	52-186
Decachlorobiphenyl (PCB)	58 *	60-140

Type: BSD **Batch#:** 292307 **Analysis:** EPA 8082

Lab ID: QC998416 **Prepared:** 07/05/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/08/22

Diln Fac: 1.000 **Prep:** EPA 3580

Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	2.862	57 *	60-140	ug/100 cm2	29 *	20
Aroclor-1260	5.000	3.359	67	60-140	ug/100 cm2	10	20

Surrogate	%REC	Limits
TCMX (PCB)	50 *	52-186
Decachlorobiphenyl (PCB)	54 *	60-140

Legend

*: Value is outside QC limits

RPD: Relative Percent Difference

ENTHALPY INITIAL CALIBRATION FOR 465035 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_062422_1
Calibration #:	462252739001	Date:	25-JUN-2022 00:39
		X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc07_062422022	462252739022		25-JUN-2022 00:39	S16671 (100X), S16725 (250X)
L2	gc07_062422023	462252739023		25-JUN-2022 00:57	S16671 (40X), S16725 (250X)
L3	gc07_062422024	462252739024		25-JUN-2022 01:14	S16671 (20X), S16725 (250X)
L4	gc07_062422025	462252739025		25-JUN-2022 01:32	S16671 (8X), S16725 (250X)
L5	gc07_062422026	462252739026		25-JUN-2022 01:49	S16671 (4X), S16725 (250X)
L6	gc07_062422027	462252739027		25-JUN-2022 02:07	S16671 (2.66X), S16725 (250X)
L7	gc07_062422028	462252739028		25-JUN-2022 02:24	S16671 (2X), S16725 (250X)
L8	gc07_062422029	462252739029		25-JUN-2022 02:42	S16671 (1.33X), S16725 (250X)
L9	gc07_062422030	462252739030		25-JUN-2022 02:59	S16671, S16725 (250X)

Analyte	Ch	Type	a0	a1	a2	Units	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		52.1446		ug/L	0.0192	12	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		24.0592		ug/L	0.0416	14	9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		20.7771		ug/L	0.0481	12	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		28.8928		ug/L	0.0346	11	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		34.6865		ug/L	0.0288	11	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		16.4257		ug/L	0.0609	12	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		11.4424		ug/L	0.0874	10	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		11.2915		ug/L	0.0886	7	9	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		22.0875		ug/L	0.0453	10	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		24.0599		ug/L	0.0416	7	9	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.89555		pg/uL	1.1166	9	9	.99	20	
TCMX (PCB)	A	AVRG		1.06067		pg/uL	0.9428	8	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		49.6768		ug/L	0.0201	7	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		22.8132		ug/L	0.0438	9	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		19.8883		ug/L	0.0503	9	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		28.6560		ug/L	0.0349	6	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		34.3044		ug/L	0.0292	7	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		15.7963		ug/L	0.0633	8	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		14.2181		ug/L	0.0703	6	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		11.5518		ug/L	0.0866	3	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		20.5890		ug/L	0.0486	5	9	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		14.3273		ug/L	0.0698	4	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.81243		pg/uL	1.2309	10	9	.99	20	
TCMX (PCB)	B	AVRG		1.10236		pg/uL	0.9071	4	9	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

ENTHALPY INITIAL CALIBRATION FOR 465035 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_062422_1
Calibration #:	462252739001	Date:	25-JUN-2022 00:39
		X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0234	0.0215	0.0200	0.0192	0.0192	0.0180	0.0176	0.0174	0.0163
Aroclor-1016 Peak # 2	A	0.0506	0.0484	0.0464	0.0430	0.0395	0.0384	0.0372	0.0366	0.0339
Aroclor-1016 Peak # 3	A	0.0594	0.0542	0.0518	0.0468	0.0454	0.0453	0.0443	0.0447	0.0413
Aroclor-1016 Peak # 4	A	0.0413	0.0385	0.0369	0.0348	0.0332	0.0331	0.0323	0.0317	0.0297
Aroclor-1016 Peak # 5	A	0.0337	0.0322	0.0318	0.0293	0.0277	0.0275	0.0267	0.0261	0.0245
Aroclor-1260 Peak # 1	A	0.0727	0.0690	0.0664	0.0613	0.0580	0.0617	0.0550	0.0540	0.0499
Aroclor-1260 Peak # 2	A	0.1010	0.0978	0.0943	0.0864	0.0838	0.0853	0.0816	0.0810	0.0754
Aroclor-1260 Peak # 3	A	0.0987	0.0952	0.0933	0.0862	0.0848	0.0876	0.0843	0.0855	0.0813
Aroclor-1260 Peak # 4	A	0.0539	0.0502	0.0485	0.0445	0.0431	0.0439	0.0418	0.0418	0.0398
Aroclor-1260 Peak # 5	A	0.0379	0.0402	0.0409	0.0376	0.0404	0.0447	0.0428	0.0450	0.0446
Decachlorobiphenyl (PCB)	A	1.3136	1.2521	1.1395	1.0914	1.0462	1.0936	1.0474	1.0457	1.0202
TCMX (PCB)	A	1.0556	1.0443	1.0018	0.9534	0.8960	0.8931	0.8839	0.9007	0.8564
Aroclor-1016 Peak # 1	B	0.0237	0.0206	0.0205	0.0201	0.0194	0.0196	0.0193	0.0195	0.0184
Aroclor-1016 Peak # 2	B	0.0520	0.0470	0.0451	0.0431	0.0429	0.0424	0.0413	0.0416	0.0391
Aroclor-1016 Peak # 3	B	0.0609	0.0528	0.0500	0.0478	0.0483	0.0487	0.0479	0.0490	0.0470
Aroclor-1016 Peak # 4	B	0.0385	0.0379	0.0349	0.0334	0.0336	0.0344	0.0340	0.0346	0.0328
Aroclor-1016 Peak # 5	B	0.0329	0.0318	0.0294	0.0281	0.0280	0.0286	0.0281	0.0285	0.0271
Aroclor-1260 Peak # 1	B	0.0741	0.0656	0.0651	0.0617	0.0619	0.0631	0.0605	0.0606	0.0572
Aroclor-1260 Peak # 2	B	0.0777	0.0735	0.0724	0.0698	0.0688	0.0709	0.0674	0.0682	0.0642
Aroclor-1260 Peak # 3	B	0.0823	0.0865	0.0833	0.0845	0.0876	0.0917	0.0876	0.0898	0.0859
Aroclor-1260 Peak # 4	B	0.0506	0.0519	0.0474	0.0468	0.0460	0.0516	0.0476	0.0489	0.0462
Aroclor-1260 Peak # 5	B	0.0736	0.0727	0.0678	0.0662	0.0681	0.0716	0.0685	0.0706	0.0691
Decachlorobiphenyl (PCB)	B	1.4473	1.4291	1.1927	1.1850	1.1442	1.2016	1.1565	1.1753	1.1462
TCMX (PCB)	B	0.9875	0.8886	0.8748	0.8877	0.8943	0.8998	0.8927	0.9329	0.9059

ENTHALPY INITIAL CALIBRATION FOR 465035 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_062422_1
Calibration #:	462252739001	Date:	25-JUN-2022 00:39
		X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	**22**	50.000	12	100.00	4	250.00	0	500.00	0	751.88	-6	1000.0	-8	1503.8	-9
Aroclor-1016 Peak # 2	A	20.000	**22**	50.000	16	100.00	12	250.00	3	500.00	-5	751.88	-8	1000.0	-10	1503.8	-12
Aroclor-1016 Peak # 3	A	20.000	**23**	50.000	13	100.00	8	250.00	-3	500.00	-6	751.88	-6	1000.0	-8	1503.8	-7
Aroclor-1016 Peak # 4	A	20.000	19	50.000	11	100.00	7	250.00	1	500.00	-4	751.88	-4	1000.0	-7	1503.8	-8
Aroclor-1016 Peak # 5	A	20.000	17	50.000	12	100.00	10	250.00	2	500.00	-4	751.88	-5	1000.0	-7	1503.8	-10
Aroclor-1260 Peak # 1	A	20.000	19	50.000	13	100.00	9	250.00	1	500.00	-5	751.88	1	1000.0	-10	1503.8	-11
Aroclor-1260 Peak # 2	A	20.000	16	50.000	12	100.00	8	250.00	-1	500.00	-4	751.88	-2	1000.0	-7	1503.8	-7
Aroclor-1260 Peak # 3	A	20.000	11	50.000	8	100.00	5	250.00	-3	500.00	-4	751.88	-1	1000.0	-5	1503.8	-3
Aroclor-1260 Peak # 4	A	20.000	19	50.000	11	100.00	7	250.00	-2	500.00	-5	751.88	-3	1000.0	-8	1503.8	-8
Aroclor-1260 Peak # 5	A	20.000	-9	50.000	-3	100.00	-2	250.00	-9	500.00	-3	751.88	8	1000.0	3	1503.8	8
Decachlorobiphenyl (PCB)	A	0.8000	18	2.0000	12	4.0000	2	10.000	-2	20.000	-6	30.075	-2	40.000	-6	60.150	-6
TCMX (PCB)	A	0.8000	12	2.0000	11	4.0000	6	10.000	1	20.000	-5	30.075	-5	40.000	-6	60.150	-4
Aroclor-1016 Peak # 1	B	20.000	18	50.000	2	100.00	2	250.00	0	500.00	-3	751.88	-3	1000.0	-4	1503.8	-3
Aroclor-1016 Peak # 2	B	20.000	19	50.000	7	100.00	3	250.00	-2	500.00	-2	751.88	-3	1000.0	-6	1503.8	-5
Aroclor-1016 Peak # 3	B	20.000	**21**	50.000	5	100.00	-1	250.00	-5	500.00	-4	751.88	-3	1000.0	-5	1503.8	-2
Aroclor-1016 Peak # 4	B	20.000	10	50.000	9	100.00	0	250.00	-4	500.00	-4	751.88	-1	1000.0	-2	1503.8	-1
Aroclor-1016 Peak # 5	B	20.000	13	50.000	9	100.00	1	250.00	-4	500.00	-4	751.88	-2	1000.0	-4	1503.8	-2
Aroclor-1260 Peak # 1	B	20.000	17	50.000	4	100.00	3	250.00	-3	500.00	-2	751.88	0	1000.0	-4	1503.8	-4
Aroclor-1260 Peak # 2	B	20.000	10	50.000	5	100.00	3	250.00	-1	500.00	-2	751.88	1	1000.0	-4	1503.8	-3
Aroclor-1260 Peak # 3	B	20.000	-5	50.000	0	100.00	-4	250.00	-2	500.00	1	751.88	6	1000.0	1	1503.8	4
Aroclor-1260 Peak # 4	B	20.000	4	50.000	7	100.00	-2	250.00	-4	500.00	-5	751.88	6	1000.0	-2	1503.8	1
Aroclor-1260 Peak # 5	B	20.000	5	50.000	4	100.00	-3	250.00	-5	500.00	-2	751.88	3	1000.0	-2	1503.8	1
Decachlorobiphenyl (PCB)	B	0.8000	18	2.0000	16	4.0000	-3	10.000	-4	20.000	-7	30.075	-2	40.000	-6	60.150	-5
TCMX (PCB)	B	0.8000	9	2.0000	-2	4.0000	-4	10.000	-2	20.000	-1	30.075	-1	40.000	-2	60.150	3

ENTHALPY INITIAL CALIBRATION FOR 465035 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_062422_1
Calibration #:	462252739001	Date:	25-JUN-2022 00:39
		X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-15
Aroclor-1016 Peak # 2	A	2000.0	-18
Aroclor-1016 Peak # 3	A	2000.0	-14
Aroclor-1016 Peak # 4	A	2000.0	-14
Aroclor-1016 Peak # 5	A	2000.0	-15
Aroclor-1260 Peak # 1	A	2000.0	-18
Aroclor-1260 Peak # 2	A	2000.0	-14
Aroclor-1260 Peak # 3	A	2000.0	-8
Aroclor-1260 Peak # 4	A	2000.0	-12
Aroclor-1260 Peak # 5	A	2000.0	7
Decachlorobiphenyl (PCB)	A	80.000	-9
TCMX (PCB)	A	80.000	-9
Aroclor-1016 Peak # 1	B	2000.0	-8
Aroclor-1016 Peak # 2	B	2000.0	-11
Aroclor-1016 Peak # 3	B	2000.0	-6
Aroclor-1016 Peak # 4	B	2000.0	-6
Aroclor-1016 Peak # 5	B	2000.0	-7
Aroclor-1260 Peak # 1	B	2000.0	-10
Aroclor-1260 Peak # 2	B	2000.0	-9
Aroclor-1260 Peak # 3	B	2000.0	-1
Aroclor-1260 Peak # 4	B	2000.0	-5
Aroclor-1260 Peak # 5	B	2000.0	-1
Decachlorobiphenyl (PCB)	B	80.000	-7
TCMX (PCB)	B	80.000	0

TRN 06/25/22 : Manually integrated for coeluting peak and automatic draw baseline on both/one channel and on multiple levels

Analyst: TRN 06/25/22

Reviewer: LW 06/27/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 465035 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07	Name:	PCB_062422_1
Calnum:	462252739001	Cal Date:	25-JUN-2022

- ICV 462252739032 (gc07_062422032 25-JUN-2022) stds: S16736

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	518.1	ug/L	4	15	
Aroclor-1260	A	500.0	539.6	ug/L	8	15	
Aroclor-1016	B	500.0	525.9	ug/L	5	15	
Aroclor-1260	B	500.0	563.1	ug/L	13	15	

-

Analyst: TRN 06/25/22 **Reviewer:** LW 06/27/22

ENTHALPY INITIAL CALIBRATION FOR 465035 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_070822_1268_1
Calibration #:	462271307001	Date:	07-JUL-2022 15:50
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc07_070722016	462271307016		07-JUL-2022 15:50	S16847

Analyte	Ch	L1 RF	Type	a0	a1	a2	Avg RF	%RSD	Min r^2	Max %RSD	Flags
Aroclor-1268 Peak # 1	A	0.0227	AVRG		44.0027		0.0227	0	.99	20	
Aroclor-1268 Peak # 2	A	0.0289	AVRG		34.5752		0.0289	0	.99	20	
Aroclor-1268 Peak # 3	A	0.1072	AVRG		9.33237		0.1072	0	.99	20	
Aroclor-1268 Peak # 4	A	0.0855	AVRG		11.6952		0.0855	0	.99	20	
Aroclor-1268 Peak # 5	A	0.2799	AVRG		3.57318		0.2799	0	.99	20	
Aroclor-1268 Peak # 1	B	0.0229	AVRG		43.7590		0.0229	0	.99	20	
Aroclor-1268 Peak # 2	B	0.0298	AVRG		33.5258		0.0298	0	.99	20	
Aroclor-1268 Peak # 3	B	0.1150	AVRG		8.69760		0.1150	0	.99	20	
Aroclor-1268 Peak # 4	B	0.0944	AVRG		10.5968		0.0944	0	.99	20	
Aroclor-1268 Peak # 5	B	0.3097	AVRG		3.22864		0.3097	0	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

Spiked Amounts / Drifts	Ch	L1	%D
Aroclor-1268 Peak # 1	A	2000.0	0
Aroclor-1268 Peak # 2	A	2000.0	0
Aroclor-1268 Peak # 3	A	2000.0	0
Aroclor-1268 Peak # 4	A	2000.0	0
Aroclor-1268 Peak # 5	A	2000.0	0
Aroclor-1268 Peak # 1	B	2000.0	0
Aroclor-1268 Peak # 2	B	2000.0	0
Aroclor-1268 Peak # 3	B	2000.0	0
Aroclor-1268 Peak # 4	B	2000.0	0
Aroclor-1268 Peak # 5	B	2000.0	0

Analyst: TRN 07/09/22

Reviewer: LW 07/11/22

ENTHALPY CONTINUING CALIBRATION FOR 465035 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07			IDF:	1.0
Seqnum:	462271307011	File:	gc07_070722011	Time:	07-JUL-2022 14:28
Cal:	462252739001	Caldate:	25-JUN-2022		

Standards: S17006

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	469.5	ug/L	-6	15	0.0000	
Aroclor-1260	A			500.0	498.7	ug/L	0	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.1166	0.9660	20.00	17.30	pg/uL	-13	15	0.0000	
TCMX (PCB)	A	0.9428	0.8604	20.00	18.25	pg/uL	-9	15	0.0000	
Aroclor-1016	B			500.0	483.8	ug/L	-3	15	0.0000	
Aroclor-1260	B			500.0	489.8	ug/L	-2	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2309	1.0829	20.00	17.60	pg/uL	-12	15	0.0000	
TCMX (PCB)	B	0.9071	0.8428	20.00	18.58	pg/uL	-7	15	0.0000	

ISTD (ICAL gc07_062422023)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1166029	1232125	5.67
1-bromo-2-nitrobenzene (PCB)	A	4421081	4377739	-0.98

Analyst: TRN 07/08/22 **Reviewer:** LW 07/08/22

ENTHALPY CONTINUING CALIBRATION FOR 465035 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07			IDF:	1.0
Seqnum:	462273158004	File:	gc07_070822004	Time:	08-JUL-2022 17:14
Cal:	462252739001	Caldate:	25-JUN-2022		

Standards: S17006

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	499.2	ug/L	0	15	0.0000	
Aroclor-1260	A			500.0	566.2	ug/L	13	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.1166	1.0610	20.00	19.00	pg/uL	-5	15	0.0000	
TCMX (PCB)	A	0.9428	0.8693	20.00	18.44	pg/uL	-8	15	0.0000	
Aroclor-1016	B			500.0	508.3	ug/L	2	15	0.0000	
Aroclor-1260	B			500.0	545.9	ug/L	9	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2309	1.2096	20.00	19.65	pg/uL	-2	15	0.0000	
TCMX (PCB)	B	0.9071	0.8480	20.00	18.70	pg/uL	-7	15	0.0000	

ISTD (ICAL gc07_062422023)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1166029	1196701	2.63
1-bromo-2-nitrobenzene (PCB)	A	4421081	4359760	-1.39

Analyst: TRN 07/08/22 **Reviewer:** LW 07/08/22

Enthalpy Internal Standard Summary for Sequence 462271307

Date:	07/07/22	Reference:	gc07_062422023
Sequence:	SVOA-GC07 gc07_070722	Analyzed:	06/25/22 00:57

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	1166029	4421081
		LOWER LIMIT	583015	2210541
		UPPER LIMIT	2332058	8842162
011	CCV		1232125	4377739
057	CCV		2310418	8369160

Enthalpy Internal Standard Summary for Sequence 462271307

Date: 07/07/22 Reference: gc07_070722011
Sequence: SVOA-GC07 gc07_070722 Analyzed: 07/07/22 14:28

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	1232125	4377739
		LOWER LIMIT	616062	2188869
		UPPER LIMIT	2464249	8755477
017	BLANK	QC997568	1296395	4567856
018	BS	QC999116	992047	3587435
019	BSD	QC999117	1185064	4243168
020	SAMPLE	464635-001	1288754	4566695
021	SAMPLE	464760-001	1233782	3916833
022	SAMPLE	464762-001	1289019	4029082
023	SAMPLE	464850-001	1102453	3608803
024	SAMPLE	464850-002	1283434	4082187
025	SAMPLE	464924-001	1107055	3962124
026	SAMPLE	464925-001	1146140	4059785
027	SAMPLE	464923-001	1123421	3987707
028	SAMPLE	464923-002	1122873	3932896
029	SAMPLE	464923-003	1086579	3829742
030	SAMPLE	464923-004	1134555	4168533
031	BLANK	QC998414	1429196	5074216
032	BS	QC998415	1141901	4104679
033	BSD	QC998416	1270453	4399808
034	SAMPLE	465031-001	1216957	4162609
035	SAMPLE	465031-003	1247970	4286795
036	SAMPLE	465031-005	1302634	4497470
037	SAMPLE	465035-001	1432689	4881252
038	SAMPLE	465035-004	1139856	3987381
039	SAMPLE	465035-006	1119596	3841978
040	SAMPLE	465035-008	1287776	4498248
041	SAMPLE	465035-010	1347265	4602285
042	SAMPLE	465035-012	1356110	4583902
043	SAMPLE	465035-014	1446864	4957666
044	SAMPLE	465035-016	1154093	4036910
045	SAMPLE	465035-018	1374652	4729496
046	SAMPLE	465035-020	1367294	4629604
047	SAMPLE	465035-022	1269560	4372617
048	SAMPLE	465035-023	1350414	4569108
049	SAMPLE	465035-025	1741421	5896586
050	SAMPLE	465094-001	1302350	4420560
051	SAMPLE	465094-002	1089825	3807528
052	SAMPLE	465094-003	1049479	3680794

Enthalpy Internal Standard Summary for Sequence 462271307

Date: 07/07/22 Reference: gc07_070722011
Sequence: SVOA-GC07 gc07_070722 Analyzed: 07/07/22 14:28

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.47	4.30
		LOWER LIMIT	4.27	4.10
		UPPER LIMIT	4.67	4.50
017	BLANK	QC997568	4.47	4.30
018	BS	QC999116	4.48	4.30
019	BSD	QC999117	4.47	4.30
020	SAMPLE	464635-001	4.47	4.30
021	SAMPLE	464760-001	4.47	4.30
022	SAMPLE	464762-001	4.48	4.30
023	SAMPLE	464850-001	4.47	4.30
024	SAMPLE	464850-002	4.47	4.30
025	SAMPLE	464924-001	4.47	4.30
026	SAMPLE	464925-001	4.47	4.30
027	SAMPLE	464923-001	4.47	4.30
028	SAMPLE	464923-002	4.47	4.30
029	SAMPLE	464923-003	4.47	4.30
030	SAMPLE	464923-004	4.47	4.30
031	BLANK	QC998414	4.47	4.30
032	BS	QC998415	4.47	4.30
033	BSD	QC998416	4.47	4.30
034	SAMPLE	465031-001	4.47	4.30
035	SAMPLE	465031-003	4.47	4.30
036	SAMPLE	465031-005	4.47	4.30
037	SAMPLE	465035-001	4.47	4.30
038	SAMPLE	465035-004	4.47	4.30
039	SAMPLE	465035-006	4.47	4.30
040	SAMPLE	465035-008	4.47	4.30
041	SAMPLE	465035-010	4.47	4.30
042	SAMPLE	465035-012	4.47	4.30
043	SAMPLE	465035-014	4.47	4.30
044	SAMPLE	465035-016	4.47	4.30
045	SAMPLE	465035-018	4.47	4.30
046	SAMPLE	465035-020	4.47	4.30
047	SAMPLE	465035-022	4.47	4.30
048	SAMPLE	465035-023	4.47	4.30
049	SAMPLE	465035-025	4.47	4.30
050	SAMPLE	465094-001	4.47	4.30
051	SAMPLE	465094-002	4.47	4.30
052	SAMPLE	465094-003	4.47	4.30

Enthalpy Internal Standard Summary for Sequence 462271307

Date:	07/07/22	Reference:	gc07_070722016
Sequence:	SVOA-GC07 gc07_070722	Analyzed:	07/07/22 15:50

#	Type	Sample ID	1BR2NITROBZ1268 B	1BR2NITROBZ1268 A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	1258225	4484014
		LOWER LIMIT	629112	2242007
		UPPER LIMIT	2516449	8968029
017	BLANK	QC997568		
020	SAMPLE	464635-001		
021	SAMPLE	464760-001		
022	SAMPLE	464762-001		
023	SAMPLE	464850-001		
024	SAMPLE	464850-002		
025	SAMPLE	464924-001		
026	SAMPLE	464925-001		
027	SAMPLE	464923-001		
028	SAMPLE	464923-002		
029	SAMPLE	464923-003		
030	SAMPLE	464923-004		
031	BLANK	QC998414		
034	SAMPLE	465031-001	1207776	4207856
035	SAMPLE	465031-003	1245130	4338375
036	SAMPLE	465031-005	1297223	4491081
037	SAMPLE	465035-001	1425779	4930694
038	SAMPLE	465035-004	1132122	3977219
039	SAMPLE	465035-006	1109315	3888379
040	SAMPLE	465035-008	1284609	4486980
041	SAMPLE	465035-010	1338508	4601528
042	SAMPLE	465035-012	1349800	4655916
043	SAMPLE	465035-014	1435905	4951384
044	SAMPLE	465035-016	1148851	4042093
045	SAMPLE	465035-018	1369609	4719304
046	SAMPLE	465035-020	1358144	4689245
047	SAMPLE	465035-022	1263892	4364783
048	SAMPLE	465035-023	1343597	4627426
049	SAMPLE	465035-025	1727459	5888860
050	SAMPLE	465094-001		
051	SAMPLE	465094-002		
052	SAMPLE	465094-003		
082	SAMPLE	465094-004		

Enthalpy Internal Standard Summary for Sequence 462271307

Date:	07/07/22	Reference:	gc07_070722016
Sequence:	SVOA-GC07 gc07_070722	Analyzed:	07/07/22 15:50

#	Type	Sample ID	1BR2NITROBZ1268 B RT	1BR2NITROBZ1268 A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.48	4.30
		LOWER LIMIT	4.28	4.10
		UPPER LIMIT	4.68	4.50
017	BLANK	QC997568		
020	SAMPLE	464635-001		
021	SAMPLE	464760-001		
022	SAMPLE	464762-001		
023	SAMPLE	464850-001		
024	SAMPLE	464850-002		
025	SAMPLE	464924-001		
026	SAMPLE	464925-001		
027	SAMPLE	464923-001		
028	SAMPLE	464923-002		
029	SAMPLE	464923-003		
030	SAMPLE	464923-004		
031	BLANK	QC998414		
034	SAMPLE	465031-001	4.47	4.30
035	SAMPLE	465031-003	4.47	4.30
036	SAMPLE	465031-005	4.47	4.30
037	SAMPLE	465035-001	4.47	4.30
038	SAMPLE	465035-004	4.47	4.30
039	SAMPLE	465035-006	4.47	4.30
040	SAMPLE	465035-008	4.47	4.30
041	SAMPLE	465035-010	4.47	4.30
042	SAMPLE	465035-012	4.47	4.30
043	SAMPLE	465035-014	4.47	4.30
044	SAMPLE	465035-016	4.47	4.30
045	SAMPLE	465035-018	4.47	4.30
046	SAMPLE	465035-020	4.47	4.30
047	SAMPLE	465035-022	4.47	4.30
048	SAMPLE	465035-023	4.47	4.30
049	SAMPLE	465035-025	4.47	4.30
050	SAMPLE	465094-001		
051	SAMPLE	465094-002		
052	SAMPLE	465094-003		
082	SAMPLE	465094-004		

Enthalpy Internal Standard Summary for Sequence 462273158

Date:	07/08/22	Reference:	gc07_062422023
Sequence:	SVOA-GC07 gc07_070822	Analyzed:	06/25/22 00:57

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	1166029	4421081
		LOWER LIMIT	583015	2210541
		UPPER LIMIT	2332058	8842162
004	CCV		1196701	4359760
050	CCV		1354853	5062222

Enthalpy Internal Standard Summary for Sequence 462273158

Date:	07/08/22	Reference:	gc07_070822004
Sequence:	SVOA-GC07 gc07_070822	Analyzed:	07/08/22 17:14

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	1196701	4359760
		LOWER LIMIT	598350	2179880
		UPPER LIMIT	2393402	8719520
006	BS	QC998415	959314	3634738
007	BSD	QC998416	1119283	4185144
016	BLANK	QC998521	1167084	4412844
016	BLANK	QC998521	1167084	4412844
023	SAMPLE	464962-001	1202383	5728846
026	SAMPLE	465028-001	1049688	3932697
027	SAMPLE	465253-006	1493766	5294908
028	SAMPLE	465253-007	1074943	3875614
029	MSS	465253-008	1075891	3940986
030	SAMPLE	465253-009	1098193	4073944

Enthalpy Internal Standard Summary for Sequence 462273158

Date:	07/08/22	Reference:	gc07_070822004
Sequence:	SVOA-GC07 gc07_070822	Analyzed:	07/08/22 17:14

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.47	4.30
		LOWER LIMIT	4.27	4.10
		UPPER LIMIT	4.67	4.50
006	BS	QC998415	4.47	4.30
007	BSD	QC998416	4.47	4.30
016	BLANK	QC998521	4.47	4.30
023	SAMPLE	464962-001	4.47	4.30
026	SAMPLE	465028-001	4.47	4.30
027	SAMPLE	465253-006	4.47	4.30
028	SAMPLE	465253-007	4.47	4.30
029	MSS	465253-008	4.47	4.30
030	SAMPLE	465253-009	4.47	4.30

Enthalpy Sequence Summary for Sequence 462252739

Instrument: SVOA-GC07 Begun: 06/24/22 12:19
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc07_062422002	PEM				06/24/22 12:19	1.0	1	
003	gc07_062422003	CCV				06/24/22 12:37	1.0	2	ac
004	gc07_062422004	CCV				06/24/22 12:55	1.0	3	
011	gc07_062422011	PEM				06/24/22 21:26	1.0	1	
022	gc07_062422022	ICAL				06/25/22 00:39	1.0	4 5	
023	gc07_062422023	ICAL				06/25/22 00:57	1.0	4 5	
024	gc07_062422024	ICAL				06/25/22 01:14	1.0	4 5	
025	gc07_062422025	ICAL				06/25/22 01:32	1.0	4 5	
026	gc07_062422026	ICAL				06/25/22 01:49	1.0	4 5	
027	gc07_062422027	ICAL				06/25/22 02:07	1.0	4 5	
028	gc07_062422028	ICAL				06/25/22 02:24	1.0	4 5	
029	gc07_062422029	ICAL				06/25/22 02:42	1.0	4 5	
030	gc07_062422030	ICAL				06/25/22 02:59	1.0	4 5	
032	gc07_062422032	ICV				06/25/22 03:34	1.0	6	

TRN 06/25/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 32.

ac=average CCV drift out

Standards Used:
1=S16549 2=S16729 3=S17006 4=S16671 5=S16725 6=S16736

Enthalpy Sequence Summary for Sequence 462271307

Instrument: SVOA-GC07 Begun: 07/07/22 09:47

Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc07_070722002	PEM				07/07/22 09:47	1.0	1	
006	gc07_070722006	PEM				07/07/22 10:57	1.0	1	
007	gc07_070722007	CCV				07/07/22 11:15	1.0	2	
009	gc07_070722009	PEM				07/07/22 13:53	1.0	1	
010	gc07_070722010	CCV				07/07/22 14:11	1.0	2	
011	gc07_070722011	CCV				07/07/22 14:28	1.0	3	
016	gc07_070722016	ICAL				07/07/22 15:50	1.0	4	
017	gc07_070722017	BLANK	QC997568	Miscell.	292053	07/07/22 16:07	1.0	5	
018	gc07_070722018	BS	QC999116	Miscell.	292053	07/07/22 16:25	1.0	5	
019	gc07_070722019	BSD	QC999117	Miscell.	292053	07/07/22 16:42	1.0	5	
020	gc07_070722020	SAMPLE	464635-001	Oil	292053	07/07/22 17:00	10.0	5	
021	gc07_070722021	SAMPLE	464760-001	Miscell.	292053	07/07/22 17:18	10.0	5	
022	gc07_070722022	SAMPLE	464762-001	Miscell.	292053	07/07/22 17:35	10.0	5	
023	gc07_070722023	SAMPLE	464850-001	Oil	292053	07/07/22 17:53	10.0	5	
024	gc07_070722024	SAMPLE	464850-002	Oil	292053	07/07/22 18:11	10.0	5	
025	gc07_070722025	SAMPLE	464924-001	Miscell.	292053	07/07/22 18:28	10.0	5	
026	gc07_070722026	SAMPLE	464925-001	Miscell.	292053	07/07/22 18:46	10.0	5	
027	gc07_070722027	SAMPLE	464923-001	Oil	292053	07/07/22 19:03	100.0	5	
028	gc07_070722028	SAMPLE	464923-002	Oil	292053	07/07/22 19:21	100.0	5	
029	gc07_070722029	SAMPLE	464923-003	Oil	292053	07/07/22 19:39	100.0	5	
030	gc07_070722030	SAMPLE	464923-004	Oil	292053	07/07/22 19:56	100.0	5	
031	gc07_070722031	BLANK	QC998414	Wipe	292307	07/07/22 20:14	1.0	5	
032	gc07_070722032	BS	QC998415	Wipe	292307	07/07/22 20:31	1.0	5	
033	gc07_070722033	BSD	QC998416	Wipe	292307	07/07/22 20:49	1.0	5	
034	gc07_070722034	SAMPLE	465031-001	Wipe	292307	07/07/22 21:07	1.0	5	
035	gc07_070722035	SAMPLE	465031-003	Wipe	292307	07/07/22 21:24	1.0	5	
036	gc07_070722036	SAMPLE	465031-005	Wipe	292307	07/07/22 21:42	1.0	5	
037	gc07_070722037	SAMPLE	465035-001	Wipe	292307	07/07/22 22:00	1.0	5	
038	gc07_070722038	SAMPLE	465035-004	Wipe	292307	07/07/22 22:17	1.0	5	
039	gc07_070722039	SAMPLE	465035-006	Wipe	292307	07/07/22 22:35	1.0	5	
040	gc07_070722040	SAMPLE	465035-008	Wipe	292307	07/07/22 22:52	1.0	5	
041	gc07_070722041	SAMPLE	465035-010	Wipe	292307	07/07/22 23:10	1.0	5	
042	gc07_070722042	SAMPLE	465035-012	Wipe	292307	07/07/22 23:28	1.0	5	
043	gc07_070722043	SAMPLE	465035-014	Wipe	292307	07/07/22 23:45	1.0	5	
044	gc07_070722044	SAMPLE	465035-016	Wipe	292307	07/08/22 00:03	1.0	5	
045	gc07_070722045	SAMPLE	465035-018	Wipe	292307	07/08/22 00:21	1.0	5	
046	gc07_070722046	SAMPLE	465035-020	Wipe	292307	07/08/22 00:38	1.0	5	
047	gc07_070722047	SAMPLE	465035-022	Wipe	292307	07/08/22 00:56	1.0	5	
048	gc07_070722048	SAMPLE	465035-023	Wipe	292307	07/08/22 01:13	1.0	5	
049	gc07_070722049	SAMPLE	465035-025	Wipe	292307	07/08/22 01:31	1.0	5	
050	gc07_070722050	SAMPLE	465094-001	Wipe	292307	07/08/22 01:49	1.0	5	
051	gc07_070722051	SAMPLE	465094-002	Wipe	292307	07/08/22 02:06	1.0	5	
052	gc07_070722052	SAMPLE	465094-003	Wipe	292307	07/08/22 02:24	1.0	5	
055	gc07_070722055	PEM				07/08/22 03:17	1.0	1	
056	gc07_070722056	CCV				07/08/22 03:35	1.0	2	ac
057	gc07_070722057	CCV				07/08/22 03:52	1.0	3	
065	gc07_070722065	UNKNOWN				07/08/22 06:14	1.0	5	
066	gc07_070722066	IDOC	QC998525	Water	292354	07/08/22 06:31	1.0	5	<ac
067	gc07_070722067	IDOC	QC998526	Water	292354	07/08/22 06:49	1.0	5	<ac
068	gc07_070722068	IDOC	QC998527	Water	292354	07/08/22 07:06	1.0	5	<ac

Enthalpy Sequence Summary for Sequence 462271307

Instrument: SVOA-GC07 Begun: 07/07/22 09:47
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
069	gc07_070722069	IDOC	QC998528	Water	292354	07/08/22 07:24	1.0	5	<ac
070	gc07_070722070	IDOC	QC998529	Water	292354	07/08/22 07:42	1.0	5	
071	gc07_070722071	IDOC	QC998530	Water	292354	07/08/22 07:59	1.0	5	
072	gc07_070722072	IDOC	QC998531	Water	292354	07/08/22 08:17	1.0	5	
073	gc07_070722073	IDOC	QC998532	Water	292354	07/08/22 08:35	1.0	5	
082	gc07_070722082	SAMPLE	465094-004	Wipe	292307	07/08/22 11:42	1.0	5	
083	gc07_070722083	SAMPLE	464984-001	Soil	292284	07/08/22 11:59	5.0	5	<ac
084	gc07_070722084	SAMPLE	464984-006	Soil	292284	07/08/22 12:17	5.0	5	<ac
085	gc07_070722085	SAMPLE	464984-011	Soil	292284	07/08/22 12:35	1.0	5	<ac
086	gc07_070722086	SAMPLE	464984-016	Soil	292284	07/08/22 12:52	1.0	5	<ac
087	gc07_070722087	SAMPLE	464984-021	Soil	292284	07/08/22 13:10	1.0	5	<ac
088	gc07_070722088	SAMPLE	464984-026	Soil	292284	07/08/22 13:28	1.0	5	<ac
089	gc07_070722089	SAMPLE	464984-031	Soil	292284	07/08/22 13:45	1.0	5	<ac
090	gc07_070722090	SAMPLE	464984-036	Soil	292284	07/08/22 14:03	1.0	5	<ac
091	gc07_070722091	SAMPLE	464984-041	Soil	292284	07/08/22 14:21	1.0	5	<ac
092	gc07_070722092	SAMPLE	464984-046	Soil	292284	07/08/22 14:38	1.0	5	<ac
093	gc07_070722093	XSAMPLE	465031-001	Wipe	292307	07/08/22 14:56	1.0	5	
094	gc07_070722094	XSAMPLE	465031-005	Wipe	292307	07/08/22 15:13	1.0	5	

TRN 07/08/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 9 through 94.

<=opening ac=average CCV drift out

Standards Used:
1=S17018 2=S16729 3=S17006 4=S16847 5=S17010

Instrument: SVOA-GC07 Begun: 07/08/22 16:38
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc07_070822002	PEM				07/08/22 16:38	1.0	1	
003	gc07_070822003	CCV				07/08/22 16:56	1.0	2	
004	gc07_070822004	CCV				07/08/22 17:14	1.0	3	
006	gc07_070822006	BS	QC998415	Wipe	292307	07/08/22 17:32	1.0	4	
007	gc07_070822007	BSD	QC998416	Wipe	292307	07/08/22 17:50	1.0	4	
008	gc07_070822008	ICAL				07/08/22 18:07	1.0	5	
009	gc07_070822009	SAMPLE	464841-001	Soil	292437	07/08/22 18:25	1.0	4	>ac , 1:ALDRIN=230
015	gc07_070822015	SAMPLE	464320-001	TCLP Leachate	292178	07/08/22 20:11	10.0	4	>ac , 5:HEPT-EPOX=620
016	gc07_070822016	BLANK	QC998521	Soil	292353	07/08/22 20:29	1.0	4	>ac
017	gc07_070822017	LCS	QC998522	Soil	292353	07/08/22 20:46	1.0	4	>ac
019	gc07_070822019	MS	QC998566	Soil	292353	07/08/22 21:22	1.0	4	>ac
020	gc07_070822020	MSD	QC998567	Soil	292353	07/08/22 21:39	1.0	4	>ac
023	gc07_070822023	SAMPLE	464962-001	Miscell.	292353	07/08/22 22:32	1.0	4	
024	gc07_070822024	MSS	464984-051	Soil	292353	07/08/22 22:50	1.0	4	>ac
025	gc07_070822025	SAMPLE	464984-056	Soil	292353	07/08/22 23:07	1.0	4	>ac
026	gc07_070822026	SAMPLE	465028-001	Soil	292353	07/08/22 23:25	1.0	4	
027	gc07_070822027	SAMPLE	465253-006	Soil	292353	07/08/22 23:43	1.0	4	2:PCB1260#4=4900
028	gc07_070822028	SAMPLE	465253-007	Soil	292353	07/09/22 00:00	1.0	4	
029	gc07_070822029	MSS	465253-008	Soil	292353	07/09/22 00:18	1.0	4	
030	gc07_070822030	SAMPLE	465253-009	Soil	292353	07/09/22 00:36	1.0	4	
031	gc07_070822031	SAMPLE	465022-001	Soil	292437	07/09/22 00:53	10.0	4	>ac
032	gc07_070822032	SAMPLE	465022-002	Soil	292437	07/09/22 01:11	5.0	4	>ac
033	gc07_070822033	SAMPLE	465022-003	Soil	292437	07/09/22 01:28	5.0	4	>ac
034	gc07_070822034	SAMPLE	465022-004	Soil	292437	07/09/22 01:46	5.0	4	>ac
035	gc07_070822035	SAMPLE	465022-005	Soil	292437	07/09/22 02:04	10.0	4	>ac
036	gc07_070822036	SAMPLE	465022-006	Soil	292437	07/09/22 02:21	1.0	4	>ac

Enthalpy Sequence Summary for Sequence 462273158

Instrument: SVOA-GC07 Begun: 07/08/22 16:38
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
037	gc07_070822037	SAMPLE	465022-007	Soil	292437	07/09/22 02:39	1.0	4	>ac
038	gc07_070822038	SAMPLE	465022-008	Soil	292437	07/09/22 02:57	1.0	4	>ac
039	gc07_070822039	SAMPLE	465022-009	Soil	292437	07/09/22 03:14	10.0	4	>ac
040	gc07_070822040	SAMPLE	465022-010	Soil	292437	07/09/22 03:32	10.0	4	>ac
041	gc07_070822041	SAMPLE	465022-011	Soil	292437	07/09/22 03:49	10.0	4	>ac
042	gc07_070822042	SAMPLE	465022-012	Soil	292437	07/09/22 04:07	1.0	4	>ac
043	gc07_070822043	SAMPLE	465022-013	Soil	292437	07/09/22 04:25	10.0	4	>ac
048	gc07_070822048	PEM				07/09/22 05:53	1.0	1	
049	gc07_070822049	CCV				07/09/22 06:11	1.0	2	ac
050	gc07_070822050	CCV				07/09/22 06:28	1.0	3	
061	gc07_070822061	SAMPLE	465022-014	Soil	292437	07/09/22 09:42	1.0	4	<ac
062	gc07_070822062	SAMPLE	465022-015	Soil	292437	07/09/22 10:00	10.0	4	<ac
063	gc07_070822063	SAMPLE	465022-016	Soil	292437	07/09/22 10:18	1.0	4	<ac

TRN 07/11/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 63.

<=opening >=closing ac=average CCV drift out

Standards Used:
1=S17018 2=S17019 3=S17006 4=S17010 5=S17011

SAMPLE PREPARATION SUMMARY

Batch # : 292307
Started By : SME
Prep Date : 05-JUL-2022 15:00
Method : 3572M
Analysis : PCB
Finished By : SME
Units : dm2
Spike #1 ID : S17020
Spike #2 ID : S17022

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
465031-001		Wipe	1	20	1	20.0		1				PCB	
465031-003		Wipe	1	20	1	20.0		1				PCB	
465031-005		Wipe	1	20	1	20.0		1				PCB	
465035-001		Wipe	1	20	1	20.0		1				PCB	
465035-004		Wipe	1	20	1	20.0		1				PCB	
465035-006		Wipe	1	20	1	20.0		1				PCB	
465035-008		Wipe	1	20	1	20.0		1				PCB	
465035-010		Wipe	1	20	1	20.0		1				PCB	
465035-012		Wipe	1	20	1	20.0		1				PCB	
465035-014		Wipe	1	20	1	20.0		1				PCB	
465035-016		Wipe	1	20	1	20.0		1				PCB	
465035-018		Wipe	1	20	1	20.0		1				PCB	
465035-020		Wipe	1	20	1	20.0		1				PCB	
465035-022		Wipe	1	20	1	20.0		1				PCB	
465035-023		Wipe	1	20	1	20.0		1				PCB	
465035-025		Wipe	1	20	1	20.0		1				PCB	
465094-001		Wipe	1	20	1	20.0		1				PCB	
465094-002		Wipe	1	20	1	20.0		1				PCB	
465094-003		Wipe	1	20	1	20.0		1				PCB	
465094-004		Wipe	1	20	1	20.0		1				PCB	
QC998414	BLANK	Wipe	1	10	1	10.0		.5				8080	
QC998415	BS	Wipe	1	10	1	10.0		.5	.5			8080	
QC998416	BSD	Wipe	1	10	1	10.0		.5	.5			8080	

TRN 07/08/22 : BS/D verify the batch

TRN 07/08/22 : 465094 was xout temporarily due to LIMS issue. QA/PM notified.

TRN 07/15/22 : Analyzed 465094

Analyst: TRN Date: 07/08/22 Reviewer: LW Date: 07/08/22

15:00

8081/8082 Prep Log

Date/Time: 07/05/2022 Initials: SME

608 QC Batch#:

8081 QC Batch #:

Matrix: Wipe Prep Method: 3580 Balance ID: N/A

8082 QC Batch #: 292307

Sample ID	Cont. ID	Sample Initial Amount Circle one: mL g	pH is 5-9?	Extraction Equipment ID (Sox, Sonic., Shaker)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Witness ID	Comment
Blank		1 Wipe	N/A	SH3	N/A	10.0		JAP	500 µL PCB Surr.
LCS		↓	↓	↓	↓	↓		↓	↓
LCSD		↓	↓	↓	↓	↓		↓	↓
465031-001	A	↓	↓	↓	↓	20.0		↓	1000 µL PCB Surr.
-003	A	↓	↓	↓	↓	↓		↓	↓
-005	A	↓	↓	↓	↓	↓		↓	↓
465035-001	A	↓	↓	↓	↓	↓		↓	↓
-004	A	↓	↓	↓	↓	↓		↓	↓
-006	A	↓	↓	↓	↓	↓		↓	↓
-008	A	↓	↓	↓	↓	↓		↓	↓
-010	A	↓	↓	↓	↓	↓		↓	↓
-012	A	↓	↓	↓	↓	↓		↓	↓
-014	A	↓	↓	↓	↓	↓		↓	↓
-016	A	↓	↓	↓	↓	↓		↓	↓
-018	A	↓	↓	↓	↓	↓		↓	↓
-020	A	↓	↓	↓	↓	↓		↓	↓
-022	A	↓	↓	↓	↓	↓		↓	↓
-023	A	↓	↓	↓	↓	↓		↓	↓
-025	A	↓	↓	↓	↓	↓		↓	↓
465094-001	A	↓	↓	↓	↓	↓		↓	Sample arrived in plastic bag, transfered to jar
-002	A	↓	↓	↓	↓	↓		↓	↓
-003	A	↓	↓	↓	↓	↓		↓	↓
-004	A	↓	↓	↓	↓	↓		↓	↓

Methylene Chloride Lot: N/A

Exchange Solvent (Hexane) ID: 216211

Acetone-Hexane Mix ID: N/A

Sodium Sulfate Lot: 2108960

Baked Sand Lot: N/A

Surrogate ID: S17020 Volume: µL

Pest LCS Spike ID: Volume: µL

PCB LCS Spike ID: S17022 Volume: 500 µL

Pest MS/MSD Spike ID: Volume: µL

PCB MS/MSD Spike ID: Volume: µL

REPORTING SUMMARY FOR 465035 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
465035-001	Aroclor-1016	SVOA-GC07	B	07/07/22 22:00
465035-001	Aroclor-1221	SVOA-GC07	B	07/07/22 22:00
465035-001	Aroclor-1232	SVOA-GC07	B	07/07/22 22:00
465035-001	Aroclor-1242	SVOA-GC07	B	07/07/22 22:00
465035-001	Aroclor-1248	SVOA-GC07	B	07/07/22 22:00
465035-001	Aroclor-1254	SVOA-GC07	B	07/07/22 22:00
465035-001	Aroclor-1260	SVOA-GC07	B	07/07/22 22:00
465035-001	Aroclor-1268	SVOA-GC07	B	07/07/22 22:00
465035-001	TCMX (PCB)	SVOA-GC07	B	07/07/22 22:00
465035-001	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/07/22 22:00
465035-004	Aroclor-1016	SVOA-GC07	B	07/07/22 22:17
465035-004	Aroclor-1221	SVOA-GC07	B	07/07/22 22:17
465035-004	Aroclor-1232	SVOA-GC07	B	07/07/22 22:17
465035-004	Aroclor-1242	SVOA-GC07	B	07/07/22 22:17
465035-004	Aroclor-1248	SVOA-GC07	B	07/07/22 22:17
465035-004	Aroclor-1254	SVOA-GC07	B	07/07/22 22:17
465035-004	Aroclor-1260	SVOA-GC07	B	07/07/22 22:17
465035-004	Aroclor-1268	SVOA-GC07	B	07/07/22 22:17
465035-004	TCMX (PCB)	SVOA-GC07	B	07/07/22 22:17
465035-004	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/07/22 22:17
465035-006	Aroclor-1016	SVOA-GC07	B	07/07/22 22:35
465035-006	Aroclor-1221	SVOA-GC07	B	07/07/22 22:35
465035-006	Aroclor-1232	SVOA-GC07	B	07/07/22 22:35
465035-006	Aroclor-1242	SVOA-GC07	B	07/07/22 22:35
465035-006	Aroclor-1248	SVOA-GC07	B	07/07/22 22:35
465035-006	Aroclor-1254	SVOA-GC07	B	07/07/22 22:35
465035-006	Aroclor-1260	SVOA-GC07	B	07/07/22 22:35
465035-006	Aroclor-1268	SVOA-GC07	B	07/07/22 22:35
465035-006	TCMX (PCB)	SVOA-GC07	B	07/07/22 22:35
465035-006	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/07/22 22:35
465035-008	Aroclor-1016	SVOA-GC07	B	07/07/22 22:52
465035-008	Aroclor-1221	SVOA-GC07	B	07/07/22 22:52
465035-008	Aroclor-1232	SVOA-GC07	B	07/07/22 22:52
465035-008	Aroclor-1242	SVOA-GC07	B	07/07/22 22:52
465035-008	Aroclor-1248	SVOA-GC07	B	07/07/22 22:52
465035-008	Aroclor-1254	SVOA-GC07	B	07/07/22 22:52
465035-008	Aroclor-1260	SVOA-GC07	B	07/07/22 22:52
465035-008	Aroclor-1268	SVOA-GC07	B	07/07/22 22:52
465035-008	TCMX (PCB)	SVOA-GC07	B	07/07/22 22:52
465035-008	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/07/22 22:52
465035-010	Aroclor-1016	SVOA-GC07	B	07/07/22 23:10
465035-010	Aroclor-1221	SVOA-GC07	B	07/07/22 23:10
465035-010	Aroclor-1232	SVOA-GC07	B	07/07/22 23:10
465035-010	Aroclor-1242	SVOA-GC07	B	07/07/22 23:10
465035-010	Aroclor-1248	SVOA-GC07	B	07/07/22 23:10
465035-010	Aroclor-1254	SVOA-GC07	B	07/07/22 23:10
465035-010	Aroclor-1260	SVOA-GC07	B	07/07/22 23:10
465035-010	Aroclor-1268	SVOA-GC07	B	07/07/22 23:10
465035-010	TCMX (PCB)	SVOA-GC07	B	07/07/22 23:10
465035-010	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/07/22 23:10

Sample ID	Analyte	Inst ID	Ch	Date & Time
465035-012	Aroclor-1016	SVOA-GC07	B	07/07/22 23:28
465035-012	Aroclor-1221	SVOA-GC07	B	07/07/22 23:28
465035-012	Aroclor-1232	SVOA-GC07	B	07/07/22 23:28
465035-012	Aroclor-1242	SVOA-GC07	B	07/07/22 23:28
465035-012	Aroclor-1248	SVOA-GC07	B	07/07/22 23:28
465035-012	Aroclor-1254	SVOA-GC07	B	07/07/22 23:28
465035-012	Aroclor-1260	SVOA-GC07	B	07/07/22 23:28
465035-012	Aroclor-1268	SVOA-GC07	B	07/07/22 23:28
465035-012	TCMX (PCB)	SVOA-GC07	B	07/07/22 23:28
465035-012	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/07/22 23:28
465035-014	Aroclor-1016	SVOA-GC07	B	07/07/22 23:45
465035-014	Aroclor-1221	SVOA-GC07	B	07/07/22 23:45
465035-014	Aroclor-1232	SVOA-GC07	B	07/07/22 23:45
465035-014	Aroclor-1242	SVOA-GC07	B	07/07/22 23:45
465035-014	Aroclor-1248	SVOA-GC07	B	07/07/22 23:45
465035-014	Aroclor-1254	SVOA-GC07	B	07/07/22 23:45
465035-014	Aroclor-1260	SVOA-GC07	B	07/07/22 23:45
465035-014	Aroclor-1268	SVOA-GC07	B	07/07/22 23:45
465035-014	TCMX (PCB)	SVOA-GC07	B	07/07/22 23:45
465035-014	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/07/22 23:45
465035-016	Aroclor-1016	SVOA-GC07	B	07/08/22 00:03
465035-016	Aroclor-1221	SVOA-GC07	B	07/08/22 00:03
465035-016	Aroclor-1232	SVOA-GC07	B	07/08/22 00:03
465035-016	Aroclor-1242	SVOA-GC07	B	07/08/22 00:03
465035-016	Aroclor-1248	SVOA-GC07	B	07/08/22 00:03
465035-016	Aroclor-1254	SVOA-GC07	B	07/08/22 00:03
465035-016	Aroclor-1260	SVOA-GC07	B	07/08/22 00:03
465035-016	Aroclor-1268	SVOA-GC07	B	07/08/22 00:03
465035-016	TCMX (PCB)	SVOA-GC07	B	07/08/22 00:03
465035-016	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/08/22 00:03
465035-018	Aroclor-1016	SVOA-GC07	B	07/08/22 00:21
465035-018	Aroclor-1221	SVOA-GC07	B	07/08/22 00:21
465035-018	Aroclor-1232	SVOA-GC07	B	07/08/22 00:21
465035-018	Aroclor-1242	SVOA-GC07	B	07/08/22 00:21
465035-018	Aroclor-1248	SVOA-GC07	B	07/08/22 00:21
465035-018	Aroclor-1254	SVOA-GC07	B	07/08/22 00:21
465035-018	Aroclor-1260	SVOA-GC07	B	07/08/22 00:21
465035-018	Aroclor-1268	SVOA-GC07	B	07/08/22 00:21
465035-018	TCMX (PCB)	SVOA-GC07	B	07/08/22 00:21
465035-018	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/08/22 00:21
465035-020	Aroclor-1016	SVOA-GC07	B	07/08/22 00:38
465035-020	Aroclor-1221	SVOA-GC07	B	07/08/22 00:38
465035-020	Aroclor-1232	SVOA-GC07	B	07/08/22 00:38
465035-020	Aroclor-1242	SVOA-GC07	B	07/08/22 00:38
465035-020	Aroclor-1248	SVOA-GC07	B	07/08/22 00:38
465035-020	Aroclor-1254	SVOA-GC07	B	07/08/22 00:38
465035-020	Aroclor-1260	SVOA-GC07	B	07/08/22 00:38
465035-020	Aroclor-1268	SVOA-GC07	B	07/08/22 00:38
465035-020	TCMX (PCB)	SVOA-GC07	B	07/08/22 00:38

Sample ID	Analyte	Inst ID	Ch	Date & Time
465035-020	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/08/22 00:38
465035-022	Aroclor-1016	SVOA-GC07	B	07/08/22 00:56
465035-022	Aroclor-1221	SVOA-GC07	B	07/08/22 00:56
465035-022	Aroclor-1232	SVOA-GC07	B	07/08/22 00:56
465035-022	Aroclor-1242	SVOA-GC07	B	07/08/22 00:56
465035-022	Aroclor-1248	SVOA-GC07	B	07/08/22 00:56
465035-022	Aroclor-1254	SVOA-GC07	B	07/08/22 00:56
465035-022	Aroclor-1260	SVOA-GC07	B	07/08/22 00:56
465035-022	Aroclor-1268	SVOA-GC07	B	07/08/22 00:56
465035-022	TCMX (PCB)	SVOA-GC07	B	07/08/22 00:56
465035-022	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/08/22 00:56
465035-023	Aroclor-1016	SVOA-GC07	B	07/08/22 01:13
465035-023	Aroclor-1221	SVOA-GC07	B	07/08/22 01:13
465035-023	Aroclor-1232	SVOA-GC07	B	07/08/22 01:13
465035-023	Aroclor-1242	SVOA-GC07	B	07/08/22 01:13
465035-023	Aroclor-1248	SVOA-GC07	B	07/08/22 01:13
465035-023	Aroclor-1254	SVOA-GC07	B	07/08/22 01:13
465035-023	Aroclor-1260	SVOA-GC07	B	07/08/22 01:13
465035-023	Aroclor-1268	SVOA-GC07	B	07/08/22 01:13
465035-023	TCMX (PCB)	SVOA-GC07	B	07/08/22 01:13
465035-023	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/08/22 01:13
465035-025	Aroclor-1016	SVOA-GC07	B	07/08/22 01:31
465035-025	Aroclor-1221	SVOA-GC07	B	07/08/22 01:31
465035-025	Aroclor-1232	SVOA-GC07	B	07/08/22 01:31
465035-025	Aroclor-1242	SVOA-GC07	B	07/08/22 01:31
465035-025	Aroclor-1248	SVOA-GC07	B	07/08/22 01:31
465035-025	Aroclor-1254	SVOA-GC07	B	07/08/22 01:31
465035-025	Aroclor-1260	SVOA-GC07	B	07/08/22 01:31
465035-025	Aroclor-1268	SVOA-GC07	B	07/08/22 01:31
465035-025	TCMX (PCB)	SVOA-GC07	B	07/08/22 01:31
465035-025	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/08/22 01:31
QC998414	Aroclor-1016	SVOA-GC07	B	07/07/22 20:14
QC998414	Aroclor-1221	SVOA-GC07	B	07/07/22 20:14
QC998414	Aroclor-1232	SVOA-GC07	B	07/07/22 20:14
QC998414	Aroclor-1242	SVOA-GC07	B	07/07/22 20:14
QC998414	Aroclor-1248	SVOA-GC07	B	07/07/22 20:14
QC998414	Aroclor-1254	SVOA-GC07	B	07/07/22 20:14
QC998414	Aroclor-1260	SVOA-GC07	B	07/07/22 20:14
QC998414	Aroclor-1268	SVOA-GC07	B	07/07/22 20:14
QC998414	TCMX (PCB)	SVOA-GC07	B	07/07/22 20:14
QC998414	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/07/22 20:14
QC998415	Aroclor-1016	SVOA-GC07	A	07/08/22 17:32
QC998415	Aroclor-1260	SVOA-GC07	A	07/08/22 17:32
QC998415	TCMX (PCB)	SVOA-GC07	A	07/08/22 17:32
QC998415	Decachlorobiphenyl (PCB)	SVOA-GC07	A	07/08/22 17:32
QC998416	Aroclor-1016	SVOA-GC07	A	07/08/22 17:50
QC998416	Aroclor-1260	SVOA-GC07	A	07/08/22 17:50
QC998416	TCMX (PCB)	SVOA-GC07	A	07/08/22 17:50

REPORTING SUMMARY FOR 465035 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
QC998416	Decachlorobiphenyl (PCB)	SVOA-GC07	A	07/08/22 17:50

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	465035-001	Client ID:	DOOR-N-0.1GW-INT-26 TO 27-220628-P-CB
Seqnum:	462271307037.2	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_070722037	Batch:	292307	Time:	07-JUL-2022 22:00
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Cal	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	462252739001	11.33	ug/L	ND	0.91	120%	1.0		u
Aroclor-1016 Peak # 1	B	462252739001	3.574	ug/L	0.07	0.87	170%			
Aroclor-1016 Peak # 2	B	462252739001	0.1894	ug/L	0.00	0.05	170%			
Aroclor-1016 Peak # 3	B	462252739001	51.54	ug/L	1.03	0.69	39%			
Aroclor-1016 Peak # 4	B	462252739001	0.7443	ug/L	0.01	0.00	168%			
Aroclor-1016 Peak # 5	B	462252739001	0.5874	ug/L	0.01	2.94	198%			
Aroclor-1221	B				ND			1.0		u
Aroclor-1232	B				ND			1.0		u
Aroclor-1242	B				ND			1.0		u
Aroclor-1248	B				ND			1.0		u
Aroclor-1254	B				ND			1.0		u
Aroclor-1260	B	462252739001	8.749	ug/L	ND	1.7	162%	1.0		u
Aroclor-1260 Peak # 1	B	462252739001	5.597	ug/L	0.11	0.60	137%			
Aroclor-1260 Peak # 2	B	462252739001	2.475	ug/L	0.05	0.07	31%			
Aroclor-1260 Peak # 3	B	462252739001	4.401	ug/L	0.09	0.35	119%			
Aroclor-1260 Peak # 4	B	462252739001	11.49	ug/L	0.23	0.38	50%			
Aroclor-1260 Peak # 5	B	462252739001	19.78	ug/L	0.40	7.00	179%			
Aroclor-1268	B	462271307001	18.61	ug/L	ND	0.75	67%	1.0		?v u
Aroclor-1268 Peak # 1	B	462271307001	41.87	ug/L	0.84	1.22	37%			
Aroclor-1268 Peak # 2	B	462271307001	17.28	ug/L	0.35	0.64	60%			
Aroclor-1268 Peak # 3	B	462271307001	11.16	ug/L	0.22	1.59	151%			
Aroclor-1268 Peak # 4	B	462271307001	9.382	ug/L	0.19	0.17	11%			
Aroclor-1268 Peak # 5	B	462271307001	13.36	ug/L	0.27	0.13	68%			

Surrogate	Ch	Cal	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	462252739001	27.53	pg/uL	1.000	0.5506	55	52-186	u
Decachlorobiphenyl (PCB)	B	462252739001	25.63	pg/uL	1.000	0.5127	51	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070722011)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1232125	1432689	16.28
1-bromo-2-nitrobenzene (PCB)	A	4377739	4881252	11.50

ISTD (ICAL gc07_070722016)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1268)	B	1258225	1425779	13.32
1-bromo-2-nitrobenzene (1268)	A	4484014	4930694	9.96

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070722011)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.30	4.30	0.00

ISTD (ICAL gc07_070722016)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1268)	B	4.48	4.47	-0.01
1-bromo-2-nitrobenzene (1268)	A	4.30	4.30	0.00

TRN 07/08/22 : FIX ABOVE

?=missing u=use v=ICV out

Analyst: TRN 07/08/22 *

Reviewer: LW 07/11/22 *

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	465035-004	Client ID:	DOOR-N-0.2GW-EXT-10 TO 11-220628-P-CB
Seqnum:	462271307038.2	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_070722038	Batch:	292307	Time:	07-JUL-2022 22:17
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Cal	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	462252739001	7.970	ug/L	ND	0.63	119%	1.0		u
Aroclor-1016 Peak # 1	B	462252739001	2.857	ug/L	0.06	0.93	177%			
Aroclor-1016 Peak # 2	B	462252739001	0.3285	ug/L	0.01	0.11	177%			
Aroclor-1016 Peak # 3	B	462252739001	35.50	ug/L	0.71	0.76	6%			
Aroclor-1016 Peak # 4	B	462252739001	0.8421	ug/L	0.02	0.01	66%			
Aroclor-1016 Peak # 5	B	462252739001	0.3242	ug/L	0.01	1.36	198%			
Aroclor-1221	B				ND			1.0		u
Aroclor-1232	B				ND			1.0		u
Aroclor-1242	B				ND			1.0		u
Aroclor-1248	B				ND			1.0		u
Aroclor-1254	B				ND			1.0		u
Aroclor-1260	B	462252739001	7.581	ug/L	ND	2.0	171%	1.0		u
Aroclor-1260 Peak # 1	B	462252739001	1.502	ug/L	0.03	0.50	177%			
Aroclor-1260 Peak # 2	B	462252739001	2.879	ug/L	0.06	0.06	3%			
Aroclor-1260 Peak # 3	B	462252739001	3.834	ug/L	0.08	0.18	79%			
Aroclor-1260 Peak # 4	B	462252739001	22.41	ug/L	0.45	0.28	46%			
Aroclor-1260 Peak # 5	B	462252739001	7.282	ug/L	0.15	8.81	193%			
Aroclor-1268	B	462271307001	13.98	ug/L	ND	0.61	74%	1.0		?v u
Aroclor-1268 Peak # 1	B	462271307001	17.99	ug/L	0.36	0.76	72%			
Aroclor-1268 Peak # 2	B	462271307001	43.15	ug/L	0.86	0.31	94%			
Aroclor-1268 Peak # 3	B	462271307001	3.187	ug/L	0.06	1.89	187%			
Aroclor-1268 Peak # 4	B	462271307001	4.166	ug/L	0.08	ND				
Aroclor-1268 Peak # 5	B	462271307001	1.410	ug/L	0.03	0.08	98%			

Surrogate	Ch	Cal	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	462252739001	28.62	pg/uL	1.000	0.5724	57	52-186	u
Decachlorobiphenyl (PCB)	B	462252739001	28.01	pg/uL	1.000	0.5601	56	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070722011)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1232125	1139856	-7.49
1-bromo-2-nitrobenzene (PCB)	A	4377739	3987381	-8.92

ISTD (ICAL gc07_070722016)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1268)	B	1258225	1132122	-10.02
1-bromo-2-nitrobenzene (1268)	A	4484014	3977219	-11.30

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070722011)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.30	4.30	0.00

ISTD (ICAL gc07_070722016)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1268)	B	4.48	4.47	-0.01
1-bromo-2-nitrobenzene (1268)	A	4.30	4.30	0.00

?=missing u=use v=ICV out

Analyst: TRN 07/08/22 *

Reviewer: LW 07/11/22 *

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	465035-006	Client ID:	DOOR-N-0.3GW-INT-25 TO 26-220628-P-CB
Seqnum:	462271307039.2	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_070722039	Batch:	292307	Time:	07-JUL-2022 22:35
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Cal	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	462252739001	4.030	ug/L	ND	0.80	164%	1.0		u
Aroclor-1016 Peak # 1	B	462252739001	10.97	ug/L	0.22	1.07	132%			
Aroclor-1016 Peak # 2	B	462252739001	0.5048	ug/L	0.01	0.10	164%			
Aroclor-1016 Peak # 3	B	462252739001	7.658	ug/L	0.15	1.10	151%			
Aroclor-1016 Peak # 4	B	462252739001	0.6084	ug/L	0.01	0.15	169%			
Aroclor-1016 Peak # 5	B	462252739001	0.4056	ug/L	0.01	1.60	198%			
Aroclor-1221	B				ND			1.0		u
Aroclor-1232	B				ND			1.0		u
Aroclor-1242	B				ND			1.0		u
Aroclor-1248	B				ND			1.0		u
Aroclor-1254	B				ND			1.0		u
Aroclor-1260	B	462252739001	8.764	ug/L	ND	1.7	163%	1.0		u
Aroclor-1260 Peak # 1	B	462252739001	4.693	ug/L	0.09	0.48	135%			
Aroclor-1260 Peak # 2	B	462252739001	2.788	ug/L	0.06	0.06	15%			
Aroclor-1260 Peak # 3	B	462252739001	7.935	ug/L	0.16	0.29	58%			
Aroclor-1260 Peak # 4	B	462252739001	18.75	ug/L	0.37	0.56	40%			
Aroclor-1260 Peak # 5	B	462252739001	9.657	ug/L	0.19	7.21	190%			
Aroclor-1268	B	462271307001	15.92	ug/L	ND	0.75	81%	1.0		?v u
Aroclor-1268 Peak # 1	B	462271307001	33.12	ug/L	0.66	1.13	52%			
Aroclor-1268 Peak # 2	B	462271307001	26.65	ug/L	0.53	0.72	30%			
Aroclor-1268 Peak # 3	B	462271307001	6.125	ug/L	0.12	1.67	173%			
Aroclor-1268 Peak # 4	B	462271307001	4.038	ug/L	0.08	0.16	68%			
Aroclor-1268 Peak # 5	B	462271307001	9.656	ug/L	0.19	0.07	92%			

Surrogate	Ch	Cal	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	462252739001	28.23	pg/uL	1.000	0.5646	56	52-186	u
Decachlorobiphenyl (PCB)	B	462252739001	27.09	pg/uL	1.000	0.5417	54	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070722011)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1232125	1119596	-9.13
1-bromo-2-nitrobenzene (PCB)	A	4377739	3841978	-12.24

ISTD (ICAL gc07_070722016)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1268)	B	1258225	1109315	-11.83
1-bromo-2-nitrobenzene (1268)	A	4484014	3888379	-13.28

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070722011)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.30	4.30	0.00

ISTD (ICAL gc07_070722016)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1268)	B	4.48	4.47	-0.01
1-bromo-2-nitrobenzene (1268)	A	4.30	4.30	0.00

?=missing u=use v=ICV out

Analyst: TRN 07/08/22 *

Reviewer: LW 07/11/22 *

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	465035-008	Client ID:	DOOR-N-0.5GW-DG-12 TO 26-220628-P-LA
Seqnum:	462271307040.2	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_070722040	Batch:	292307	Time:	07-JUL-2022 22:52
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Cal	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	462252739001	2.650	ug/L	ND	1.6	187%	1.0		u
Aroclor-1016 Peak # 1	B	462252739001	8.059	ug/L	0.16	1.06	147%			
Aroclor-1016 Peak # 2	B	462252739001	1.023	ug/L	0.02	0.09	122%			
Aroclor-1016 Peak # 3	B	462252739001	2.178	ug/L	0.04	0.68	176%			
Aroclor-1016 Peak # 4	B	462252739001	1.392	ug/L	0.03	0.13	132%			
Aroclor-1016 Peak # 5	B	462252739001	0.5986	ug/L	0.01	5.88	199%			
Aroclor-1221	B				ND			1.0		u
Aroclor-1232	B				ND			1.0		u
Aroclor-1242	B				ND			1.0		u
Aroclor-1248	B				ND			1.0		u
Aroclor-1254	B				ND			1.0		u
Aroclor-1260	B	462252739001	10.09	ug/L	ND	2.0	164%	1.0		u
Aroclor-1260 Peak # 1	B	462252739001	7.471	ug/L	0.15	0.38	87%			
Aroclor-1260 Peak # 2	B	462252739001	4.101	ug/L	0.08	0.09	9%			
Aroclor-1260 Peak # 3	B	462252739001	2.230	ug/L	0.04	0.35	155%			
Aroclor-1260 Peak # 4	B	462252739001	17.43	ug/L	0.35	0.52	40%			
Aroclor-1260 Peak # 5	B	462252739001	19.23	ug/L	0.38	8.74	183%			
Aroclor-1268	B	462271307001	18.14	ug/L	ND	0.70	63%	1.0		?v u
Aroclor-1268 Peak # 1	B	462271307001	46.59	ug/L	0.93	0.59	45%			
Aroclor-1268 Peak # 2	B	462271307001	23.41	ug/L	0.47	0.66	34%			
Aroclor-1268 Peak # 3	B	462271307001	9.909	ug/L	0.20	1.94	163%			
Aroclor-1268 Peak # 4	B	462271307001	6.814	ug/L	0.14	0.19	35%			
Aroclor-1268 Peak # 5	B	462271307001	4.008	ug/L	0.08	0.11	31%			

Surrogate	Ch	Cal	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	462252739001	27.00	pg/uL	1.000	0.5399	54	52-186	u
Decachlorobiphenyl (PCB)	B	462252739001	24.77	pg/uL	1.000	0.4954	50	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070722011)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1232125	1287776	4.52
1-bromo-2-nitrobenzene (PCB)	A	4377739	4498248	2.75

ISTD (ICAL gc07_070722016)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1268)	B	1258225	1284609	2.10
1-bromo-2-nitrobenzene (1268)	A	4484014	4486980	0.07

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070722011)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.30	4.30	0.00

ISTD (ICAL gc07_070722016)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1268)	B	4.48	4.47	-0.01
1-bromo-2-nitrobenzene (1268)	A	4.30	4.30	0.00

?=missing u=use v=ICV out

Analyst: TRN 07/08/22 *

Reviewer: LW 07/11/22 *

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	465035-010	Client ID:	DOOR-N-0.7GW-EXT-11 TO 12-220628-P-CB
Seqnum:	462271307041.2	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_070722041	Batch:	292307	Time:	07-JUL-2022 23:10
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Cal	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	462252739001	3.905	ug/L	ND	0.79	164%	1.0		u
Aroclor-1016 Peak # 1	B	462252739001	6.972	ug/L	0.14	1.04	153%			
Aroclor-1016 Peak # 2	B	462252739001	0.9622	ug/L	0.02	0.09	128%			
Aroclor-1016 Peak # 3	B	462252739001	10.19	ug/L	0.20	0.80	119%			
Aroclor-1016 Peak # 4	B	462252739001	0.6100	ug/L	0.01	0.15	169%			
Aroclor-1016 Peak # 5	B	462252739001	0.7936	ug/L	0.02	1.86	197%			
Aroclor-1221	B				ND			1.0		u
Aroclor-1232	B				ND			1.0		u
Aroclor-1242	B				ND			1.0		u
Aroclor-1248	B				ND			1.0		u
Aroclor-1254	B				ND			1.0		u
Aroclor-1260	B	462252739001	8.121	ug/L	ND	1.8	166%	1.0		u
Aroclor-1260 Peak # 1	B	462252739001	0.6103	ug/L	0.01	0.70	193%			
Aroclor-1260 Peak # 2	B	462252739001	2.326	ug/L	0.05	0.07	39%			
Aroclor-1260 Peak # 3	B	462252739001	6.555	ug/L	0.13	0.20	41%			
Aroclor-1260 Peak # 4	B	462252739001	18.82	ug/L	0.38	0.68	57%			
Aroclor-1260 Peak # 5	B	462252739001	12.30	ug/L	0.25	7.12	187%			
Aroclor-1268	B	462271307001	10.76	ug/L	ND	0.69	105%	1.0		?v u
Aroclor-1268 Peak # 1	B	462271307001	25.11	ug/L	0.50	1.14	78%			
Aroclor-1268 Peak # 2	B	462271307001	18.06	ug/L	0.36	0.64	56%			
Aroclor-1268 Peak # 3	B	462271307001	6.936	ug/L	0.14	1.41	164%			
Aroclor-1268 Peak # 4	B	462271307001	0	ug/L	ND	0.17				
Aroclor-1268 Peak # 5	B	462271307001	3.670	ug/L	0.07	0.08	6%			

Surrogate	Ch	Cal	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	462252739001	26.86	pg/uL	1.000	0.5372	54	52-186	u
Decachlorobiphenyl (PCB)	B	462252739001	25.90	pg/uL	1.000	0.5181	52	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070722011)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1232125	1347265	9.34
1-bromo-2-nitrobenzene (PCB)	A	4377739	4602285	5.13

ISTD (ICAL gc07_070722016)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1268)	B	1258225	1338508	6.38
1-bromo-2-nitrobenzene (1268)	A	4484014	4601528	2.62

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070722011)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.30	4.30	0.00

ISTD (ICAL gc07_070722016)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1268)	B	4.48	4.47	-0.01
1-bromo-2-nitrobenzene (1268)	A	4.30	4.30	0.00

?=missing u=use v=ICV out

Analyst: TRN 07/08/22 *

Reviewer: LW 07/11/22 *

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	465035-012	Client ID:	DOOR-N-0.9GW-INT-25 TO 26-220628-P-CB
Seqnum:	462271307042.2	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_070722042	Batch:	292307	Time:	07-JUL-2022 23:28
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Cal	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	462252739001	13.45	ug/L	ND	0.83	102%	1.0		u
Aroclor-1016 Peak # 1	B	462252739001	8.752	ug/L	0.18	1.11	146%			
Aroclor-1016 Peak # 2	B	462252739001	0.4797	ug/L	0.01	0.08	159%			
Aroclor-1016 Peak # 3	B	462252739001	56.42	ug/L	1.13	0.95	17%			
Aroclor-1016 Peak # 4	B	462252739001	0.6045	ug/L	0.01	0.17	174%			
Aroclor-1016 Peak # 5	B	462252739001	0.9991	ug/L	0.02	1.85	196%			
Aroclor-1221	B				ND			1.0		u
Aroclor-1232	B				ND			1.0		u
Aroclor-1242	B				ND			1.0		u
Aroclor-1248	B				ND			1.0		u
Aroclor-1254	B				ND			1.0		u
Aroclor-1260	B	462252739001	8.600	ug/L	ND	2.0	168%	1.0		u
Aroclor-1260 Peak # 1	B	462252739001	5.119	ug/L	0.10	0.68	148%			
Aroclor-1260 Peak # 2	B	462252739001	3.294	ug/L	0.07	0.10	45%			
Aroclor-1260 Peak # 3	B	462252739001	2.089	ug/L	0.04	0.38	160%			
Aroclor-1260 Peak # 4	B	462252739001	18.39	ug/L	0.37	0.80	74%			
Aroclor-1260 Peak # 5	B	462252739001	14.11	ug/L	0.28	7.95	186%			
Aroclor-1268	B	462271307001	16.01	ug/L	ND	0.67	71%	1.0		?v u
Aroclor-1268 Peak # 1	B	462271307001	32.56	ug/L	0.65	0.91	33%			
Aroclor-1268 Peak # 2	B	462271307001	26.63	ug/L	0.53	0.77	36%			
Aroclor-1268 Peak # 3	B	462271307001	7.852	ug/L	0.16	1.58	164%			
Aroclor-1268 Peak # 4	B	462271307001	0	ug/L	ND	ND				
Aroclor-1268 Peak # 5	B	462271307001	12.99	ug/L	0.26	0.11	80%			

Surrogate	Ch	Cal	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	462252739001	29.80	pg/uL	1.000	0.5960	60	52-186	u
Decachlorobiphenyl (PCB)	B	462252739001	33.14	pg/uL	1.000	0.6627	66	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070722011)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1232125	1356110	10.06
1-bromo-2-nitrobenzene (PCB)	A	4377739	4583902	4.71

ISTD (ICAL gc07_070722016)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1268)	B	1258225	1349800	7.28
1-bromo-2-nitrobenzene (1268)	A	4484014	4655916	3.83

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070722011)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.30	4.30	0.00

ISTD (ICAL gc07_070722016)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1268)	B	4.48	4.47	-0.01
1-bromo-2-nitrobenzene (1268)	A	4.30	4.30	0.00

?=missing u=use v=ICV out

Analyst: TRN 07/08/22 *

Reviewer: LW 07/11/22 *

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	465035-014	Client ID:	DOOR-N-0.3GE-DG-12 TO 25-220628-P-LA
Seqnum:	462271307043.2	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_070722043	Batch:	292307	Time:	07-JUL-2022 23:45
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Cal	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	462252739001	3.779	ug/L	ND	0.92	170%	1.0		u
Aroclor-1016 Peak # 1	B	462252739001	8.168	ug/L	0.16	1.03	145%			
Aroclor-1016 Peak # 2	B	462252739001	0.1479	ug/L	0.00	0.11	190%			
Aroclor-1016 Peak # 3	B	462252739001	9.919	ug/L	0.20	1.52	154%			
Aroclor-1016 Peak # 4	B	462252739001	0.4112	ug/L	0.01	0.12	173%			
Aroclor-1016 Peak # 5	B	462252739001	0.2468	ug/L	0.00	1.83	199%			
Aroclor-1221	B				ND			1.0		u
Aroclor-1232	B				ND			1.0		u
Aroclor-1242	B				ND			1.0		u
Aroclor-1248	B				ND			1.0		u
Aroclor-1254	B				ND			1.0		u
Aroclor-1260	B	462252739001	8.888	ug/L	ND	1.9	165%	1.0		u
Aroclor-1260 Peak # 1	B	462252739001	3.983	ug/L	0.08	0.68	158%			
Aroclor-1260 Peak # 2	B	462252739001	3.044	ug/L	0.06	0.07	15%			
Aroclor-1260 Peak # 3	B	462252739001	4.468	ug/L	0.09	0.39	125%			
Aroclor-1260 Peak # 4	B	462252739001	20.25	ug/L	0.41	0.69	52%			
Aroclor-1260 Peak # 5	B	462252739001	12.69	ug/L	0.25	7.57	187%			
Aroclor-1268	B	462271307001	14.40	ug/L	ND	0.52	58%	1.0		?v u
Aroclor-1268 Peak # 1	B	462271307001	30.52	ug/L	0.61	0.79	25%			
Aroclor-1268 Peak # 2	B	462271307001	21.58	ug/L	0.43	0.65	41%			
Aroclor-1268 Peak # 3	B	462271307001	6.873	ug/L	0.14	0.86	145%			
Aroclor-1268 Peak # 4	B	462271307001	0	ug/L	ND	0.21				
Aroclor-1268 Peak # 5	B	462271307001	13.01	ug/L	0.26	0.10	88%			

Surrogate	Ch	Cal	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	462252739001	27.83	pg/uL	1.000	0.5566	56	52-186	u
Decachlorobiphenyl (PCB)	B	462252739001	26.56	pg/uL	1.000	0.5312	53	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070722011)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1232125	1446864	17.43
1-bromo-2-nitrobenzene (PCB)	A	4377739	4957666	13.25

ISTD (ICAL gc07_070722016)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1268)	B	1258225	1435905	14.12
1-bromo-2-nitrobenzene (1268)	A	4484014	4951384	10.42

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070722011)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.30	4.30	0.00

ISTD (ICAL gc07_070722016)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1268)	B	4.48	4.47	-0.01
1-bromo-2-nitrobenzene (1268)	A	4.30	4.30	0.00

?=missing u=use v=ICV out

Analyst: TRN 07/08/22 *

Reviewer: LW 07/11/22 *

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	465035-016	Client ID:	DOOR-N-0.5GE-DG-11 TO 25-220628-P-LA
Seqnum:	462271307044.2	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_070722044	Batch:	292307	Time:	08-JUL-2022 00:03
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Cal	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	462252739001	10.30	ug/L	ND	0.74	113%	1.0		u
Aroclor-1016 Peak # 1	B	462252739001	8.247	ug/L	0.16	0.94	140%			
Aroclor-1016 Peak # 2	B	462252739001	0.2286	ug/L	0.00	0.14	187%			
Aroclor-1016 Peak # 3	B	462252739001	41.10	ug/L	0.82	0.48	52%			
Aroclor-1016 Peak # 4	B	462252739001	1.006	ug/L	0.02	0.07	113%			
Aroclor-1016 Peak # 5	B	462252739001	0.8996	ug/L	0.02	2.06	197%			
Aroclor-1221	B				ND			1.0		u
Aroclor-1232	B				ND			1.0		u
Aroclor-1242	B				ND			1.0		u
Aroclor-1248	B				ND			1.0		u
Aroclor-1254	B				ND			1.0		u
Aroclor-1260	B	462252739001	9.617	ug/L	ND	1.6	157%	1.0		u
Aroclor-1260 Peak # 1	B	462252739001	2.885	ug/L	0.06	0.62	166%			
Aroclor-1260 Peak # 2	B	462252739001	2.706	ug/L	0.05	0.07	19%			
Aroclor-1260 Peak # 3	B	462252739001	2.947	ug/L	0.06	0.42	151%			
Aroclor-1260 Peak # 4	B	462252739001	32.95	ug/L	0.66	0.63	5%			
Aroclor-1260 Peak # 5	B	462252739001	6.594	ug/L	0.13	6.23	192%			
Aroclor-1268	B	462271307001	12.47	ug/L	ND	0.71	97%	1.0		?v u
Aroclor-1268 Peak # 1	B	462271307001	13.06	ug/L	0.26	0.64	84%			
Aroclor-1268 Peak # 2	B	462271307001	39.42	ug/L	0.79	0.63	22%			
Aroclor-1268 Peak # 3	B	462271307001	3.131	ug/L	0.06	1.94	188%			
Aroclor-1268 Peak # 4	B	462271307001	5.858	ug/L	0.12	0.29	85%			
Aroclor-1268 Peak # 5	B	462271307001	0.9014	ug/L	0.02	0.07	122%			

Surrogate	Ch	Cal	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	462252739001	27.07	pg/uL	1.000	0.5414	54	52-186	u
Decachlorobiphenyl (PCB)	B	462252739001	26.92	pg/uL	1.000	0.5384	54	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070722011)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1232125	1154093	-6.33
1-bromo-2-nitrobenzene (PCB)	A	4377739	4036910	-7.79

ISTD (ICAL gc07_070722016)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1268)	B	1258225	1148851	-8.69
1-bromo-2-nitrobenzene (1268)	A	4484014	4042093	-9.86

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070722011)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.30	4.30	0.00

ISTD (ICAL gc07_070722016)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1268)	B	4.48	4.47	-0.01
1-bromo-2-nitrobenzene (1268)	A	4.30	4.30	0.00

?=missing u=use v=ICV out

Analyst: TRN 07/08/22 *

Reviewer: LW 07/11/22 *

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	465035-018	Client ID:	DOOR-N-0.8GE-EXT-10 TO 11-220628-P-CB
Seqnum:	462271307045.2	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_070722045	Batch:	292307	Time:	08-JUL-2022 00:21
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Cal	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	462252739001	13.39	ug/L	ND	0.65	83%	1.0		u
Aroclor-1016 Peak # 1	B	462252739001	21.11	ug/L	0.42	1.08	88%			
Aroclor-1016 Peak # 2	B	462252739001	0.3798	ug/L	0.01	0.10	170%			
Aroclor-1016 Peak # 3	B	462252739001	43.59	ug/L	0.87	0.54	48%			
Aroclor-1016 Peak # 4	B	462252739001	0.8461	ug/L	0.02	0.11	148%			
Aroclor-1016 Peak # 5	B	462252739001	1.039	ug/L	0.02	1.43	194%			
Aroclor-1221	B				ND			1.0		u
Aroclor-1232	B				ND			1.0		u
Aroclor-1242	B				ND			1.0		u
Aroclor-1248	B				ND			1.0		u
Aroclor-1254	B				ND			1.0		u
Aroclor-1260	B	462252739001	9.054	ug/L	ND	1.8	163%	1.0		u
Aroclor-1260 Peak # 1	B	462252739001	1.937	ug/L	0.04	0.70	179%			
Aroclor-1260 Peak # 2	B	462252739001	2.192	ug/L	0.04	0.07	44%			
Aroclor-1260 Peak # 3	B	462252739001	5.609	ug/L	0.11	0.38	108%			
Aroclor-1260 Peak # 4	B	462252739001	27.40	ug/L	0.55	0.70	24%			
Aroclor-1260 Peak # 5	B	462252739001	8.133	ug/L	0.16	7.06	191%			
Aroclor-1268	B	462271307001	11.18	ug/L	ND	0.66	99%	1.0		?v u
Aroclor-1268 Peak # 1	B	462271307001	22.95	ug/L	0.46	0.71	42%			
Aroclor-1268 Peak # 2	B	462271307001	27.39	ug/L	0.55	0.64	15%			
Aroclor-1268 Peak # 3	B	462271307001	3.794	ug/L	0.08	1.63	182%			
Aroclor-1268 Peak # 4	B	462271307001	0	ug/L	ND	0.28				
Aroclor-1268 Peak # 5	B	462271307001	1.764	ug/L	0.04	0.06	58%			

Surrogate	Ch	Cal	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	462252739001	27.32	pg/uL	1.000	0.5464	55	52-186	u
Decachlorobiphenyl (PCB)	B	462252739001	26.43	pg/uL	1.000	0.5286	53	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070722011)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1232125	1374652	11.57
1-bromo-2-nitrobenzene (PCB)	A	4377739	4729496	8.04

ISTD (ICAL gc07_070722016)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1268)	B	1258225	1369609	8.85
1-bromo-2-nitrobenzene (1268)	A	4484014	4719304	5.25

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070722011)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.30	4.30	0.00

ISTD (ICAL gc07_070722016)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1268)	B	4.48	4.47	-0.01
1-bromo-2-nitrobenzene (1268)	A	4.30	4.30	0.00

?=missing u=use v=ICV out

Analyst: TRN 07/08/22 *

Reviewer: LW 07/11/22 *

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	465035-020	Client ID:	DOOR-N-0.9GE-DG-12 TO 26-220628-P-LA
Seqnum:	462271307046.2	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_070722046	Batch:	292307	Time:	08-JUL-2022 00:38
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Cal	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	462252739001	11.00	ug/L	ND	0.83	116%	1.0		u
Aroclor-1016 Peak # 1	B	462252739001	3.065	ug/L	0.06	1.07	178%			
Aroclor-1016 Peak # 2	B	462252739001	0.1181	ug/L	0.00	0.10	191%			
Aroclor-1016 Peak # 3	B	462252739001	50.66	ug/L	1.01	1.27	22%			
Aroclor-1016 Peak # 4	B	462252739001	0.3356	ug/L	0.01	0.14	181%			
Aroclor-1016 Peak # 5	B	462252739001	0.8255	ug/L	0.02	1.57	196%			
Aroclor-1221	B				ND			1.0		u
Aroclor-1232	B				ND			1.0		u
Aroclor-1242	B				ND			1.0		u
Aroclor-1248	B				ND			1.0		u
Aroclor-1254	B				ND			1.0		u
Aroclor-1260	B	462252739001	5.954	ug/L	ND	2.0	177%	1.0		u
Aroclor-1260 Peak # 1	B	462252739001	3.090	ug/L	0.06	0.66	166%			
Aroclor-1260 Peak # 2	B	462252739001	3.275	ug/L	0.07	0.07	10%			
Aroclor-1260 Peak # 3	B	462252739001	4.489	ug/L	0.09	0.44	132%			
Aroclor-1260 Peak # 4	B	462252739001	7.964	ug/L	0.16	0.74	129%			
Aroclor-1260 Peak # 5	B	462252739001	10.95	ug/L	0.22	7.85	189%			
Aroclor-1268	B	462271307001	9.141	ug/L	ND	0.62	109%	1.0		?v u
Aroclor-1268 Peak # 1	B	462271307001	26.24	ug/L	0.52	0.77	38%			
Aroclor-1268 Peak # 2	B	462271307001	12.11	ug/L	0.24	0.51	71%			
Aroclor-1268 Peak # 3	B	462271307001	5.295	ug/L	0.11	1.58	175%			
Aroclor-1268 Peak # 4	B	462271307001	0	ug/L	ND	0.11				
Aroclor-1268 Peak # 5	B	462271307001	2.061	ug/L	0.04	0.12	95%			

Surrogate	Ch	Cal	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	462252739001	27.24	pg/uL	1.000	0.5449	54	52-186	u
Decachlorobiphenyl (PCB)	B	462252739001	26.81	pg/uL	1.000	0.5363	54	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070722011)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1232125	1367294	10.97
1-bromo-2-nitrobenzene (PCB)	A	4377739	4629604	5.75

ISTD (ICAL gc07_070722016)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1268)	B	1258225	1358144	7.94
1-bromo-2-nitrobenzene (1268)	A	4484014	4689245	4.58

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070722011)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.30	4.30	0.00

ISTD (ICAL gc07_070722016)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1268)	B	4.48	4.47	-0.01
1-bromo-2-nitrobenzene (1268)	A	4.30	4.30	0.00

?=missing u=use v=ICV out

Analyst: TRN 07/08/22 *

Reviewer: LW 07/11/22 *

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	465035-022	Client ID:	DOOR-N-0.9GE-PS-25-220628-P-LA
Seqnum:	462271307047.2	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_070722047	Batch:	292307	Time:	08-JUL-2022 00:56
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Cal	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	462252739001	9.574	ug/L	ND	0.83	125%	1.0		u
Aroclor-1016 Peak # 1	B	462252739001	9.377	ug/L	0.19	1.02	138%			
Aroclor-1016 Peak # 2	B	462252739001	0.2932	ug/L	0.01	0.11	179%			
Aroclor-1016 Peak # 3	B	462252739001	36.17	ug/L	0.72	0.64	12%			
Aroclor-1016 Peak # 4	B	462252739001	0.7021	ug/L	0.01	0.12	158%			
Aroclor-1016 Peak # 5	B	462252739001	1.328	ug/L	0.03	2.26	195%			
Aroclor-1221	B				ND			1.0		u
Aroclor-1232	B				ND			1.0		u
Aroclor-1242	B				ND			1.0		u
Aroclor-1248	B				ND			1.0		u
Aroclor-1254	B				ND			1.0		u
Aroclor-1260	B	462252739001	11.03	ug/L	ND	2.1	162%	1.0		u
Aroclor-1260 Peak # 1	B	462252739001	0.9324	ug/L	0.02	0.69	189%			
Aroclor-1260 Peak # 2	B	462252739001	4.443	ug/L	0.09	0.10	12%			
Aroclor-1260 Peak # 3	B	462252739001	2.611	ug/L	0.05	0.42	156%			
Aroclor-1260 Peak # 4	B	462252739001	33.17	ug/L	0.66	0.75	12%			
Aroclor-1260 Peak # 5	B	462252739001	14.01	ug/L	0.28	8.51	187%			
Aroclor-1268	B	462271307001	15.21	ug/L	ND	0.72	81%	1.0		?v u
Aroclor-1268 Peak # 1	B	462271307001	26.55	ug/L	0.53	0.87	49%			
Aroclor-1268 Peak # 2	B	462271307001	28.91	ug/L	0.58	0.59	2%			
Aroclor-1268 Peak # 3	B	462271307001	7.910	ug/L	0.16	1.80	168%			
Aroclor-1268 Peak # 4	B	462271307001	6.902	ug/L	0.14	0.22	46%			
Aroclor-1268 Peak # 5	B	462271307001	5.767	ug/L	0.12	0.11	2%			

Surrogate	Ch	Cal	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	462252739001	28.39	pg/uL	1.000	0.5678	57	52-186	u
Decachlorobiphenyl (PCB)	B	462252739001	26.17	pg/uL	1.000	0.5233	52	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070722011)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1232125	1269560	3.04
1-bromo-2-nitrobenzene (PCB)	A	4377739	4372617	-0.12

ISTD (ICAL gc07_070722016)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1268)	B	1258225	1263892	0.45
1-bromo-2-nitrobenzene (1268)	A	4484014	4364783	-2.66

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070722011)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.30	4.30	0.00

ISTD (ICAL gc07_070722016)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1268)	B	4.48	4.47	-0.01
1-bromo-2-nitrobenzene (1268)	A	4.30	4.30	0.00

?=missing u=use v=ICV out

Analyst: TRN 07/08/22 *

Reviewer: LW 07/11/22 *

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	465035-023	Client ID:	DOOR-N-0.9GE-PS-25-220628-P-DUP-LA
Seqnum:	462271307048.2	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_070722048	Batch:	292307	Time:	08-JUL-2022 01:13
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Cal	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	462252739001	2.167	ug/L	ND	1.1	185%	1.0		u
Aroclor-1016 Peak # 1	B	462252739001	1.418	ug/L	0.03	1.11	190%			
Aroclor-1016 Peak # 2	B	462252739001	0.5095	ug/L	0.01	0.08	154%			
Aroclor-1016 Peak # 3	B	462252739001	7.899	ug/L	0.16	1.48	161%			
Aroclor-1016 Peak # 4	B	462252739001	0.4334	ug/L	0.01	0.14	177%			
Aroclor-1016 Peak # 5	B	462252739001	0.5735	ug/L	0.01	2.77	198%			
Aroclor-1221	B				ND			1.0		u
Aroclor-1232	B				ND			1.0		u
Aroclor-1242	B				ND			1.0		u
Aroclor-1248	B				ND			1.0		u
Aroclor-1254	B				ND			1.0		u
Aroclor-1260	B	462252739001	8.729	ug/L	ND	1.9	166%	1.0		u
Aroclor-1260 Peak # 1	B	462252739001	2.855	ug/L	0.06	0.64	167%			
Aroclor-1260 Peak # 2	B	462252739001	2.795	ug/L	0.06	0.08	41%			
Aroclor-1260 Peak # 3	B	462252739001	2.107	ug/L	0.04	0.28	148%			
Aroclor-1260 Peak # 4	B	462252739001	21.60	ug/L	0.43	0.65	41%			
Aroclor-1260 Peak # 5	B	462252739001	14.29	ug/L	0.29	7.77	186%			
Aroclor-1268	B	462271307001	19.66	ug/L	ND	0.72	59%	1.0		?v u
Aroclor-1268 Peak # 1	B	462271307001	31.81	ug/L	0.64	0.96	40%			
Aroclor-1268 Peak # 2	B	462271307001	33.48	ug/L	0.67	0.68	2%			
Aroclor-1268 Peak # 3	B	462271307001	7.977	ug/L	0.16	1.67	165%			
Aroclor-1268 Peak # 4	B	462271307001	10.97	ug/L	0.22	0.21	3%			
Aroclor-1268 Peak # 5	B	462271307001	14.07	ug/L	0.28	0.10	95%			

Surrogate	Ch	Cal	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	462252739001	28.88	pg/uL	1.000	0.5776	58	52-186	u
Decachlorobiphenyl (PCB)	B	462252739001	28.43	pg/uL	1.000	0.5686	57	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070722011)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1232125	1350414	9.60
1-bromo-2-nitrobenzene (PCB)	A	4377739	4569108	4.37

ISTD (ICAL gc07_070722016)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1268)	B	1258225	1343597	6.79
1-bromo-2-nitrobenzene (1268)	A	4484014	4627426	3.20

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070722011)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.30	4.30	0.00

ISTD (ICAL gc07_070722016)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1268)	B	4.48	4.47	-0.01
1-bromo-2-nitrobenzene (1268)	A	4.30	4.30	0.00

?=missing u=use v=ICV out

Analyst: TRN 07/08/22 *

Reviewer: LW 07/11/22 *

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	465035-025	Client ID:	220628-P-MEDBLANK
Seqnum:	462271307049.2	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_070722049	Batch:	292307	Time:	08-JUL-2022 01:31
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Cal	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	462252739001	3.159	ug/L	ND	0.84	172%	1.0		u
Aroclor-1016 Peak # 1	B	462252739001	8.102	ug/L	0.16	1.03	146%			
Aroclor-1016 Peak # 2	B	462252739001	0.1935	ug/L	0.00	0.11	186%			
Aroclor-1016 Peak # 3	B	462252739001	6.666	ug/L	0.13	0.88	148%			
Aroclor-1016 Peak # 4	B	462252739001	0.3910	ug/L	0.01	0.11	174%			
Aroclor-1016 Peak # 5	B	462252739001	0.4413	ug/L	0.01	2.04	198%			
Aroclor-1221	B				ND			1.0		u
Aroclor-1232	B				ND			1.0		u
Aroclor-1242	B				ND			1.0		u
Aroclor-1248	B				ND			1.0		u
Aroclor-1254	B				ND			1.0		u
Aroclor-1260	B	462252739001	10.08	ug/L	ND	1.6	155%	1.0		u
Aroclor-1260 Peak # 1	B	462252739001	11.44	ug/L	0.23	0.76	107%			
Aroclor-1260 Peak # 2	B	462252739001	0.6837	ug/L	0.01	0.06	129%			
Aroclor-1260 Peak # 3	B	462252739001	2.974	ug/L	0.06	0.38	146%			
Aroclor-1260 Peak # 4	B	462252739001	29.94	ug/L	0.60	0.66	10%			
Aroclor-1260 Peak # 5	B	462252739001	5.347	ug/L	0.11	6.18	193%			
Aroclor-1268	B	462271307001	6.236	ug/L	ND	0.50	120%	1.0		?v u
Aroclor-1268 Peak # 1	B	462271307001	18.09	ug/L	0.36	0.47	27%			
Aroclor-1268 Peak # 2	B	462271307001	9.542	ug/L	0.19	0.72	116%			
Aroclor-1268 Peak # 3	B	462271307001	2.457	ug/L	0.05	0.99	181%			
Aroclor-1268 Peak # 4	B	462271307001	0	ug/L	ND	0.22				
Aroclor-1268 Peak # 5	B	462271307001	1.089	ug/L	0.02	0.07	110%			

Surrogate	Ch	Cal	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	462252739001	27.93	pg/uL	1.000	0.5585	56	52-186	u
Decachlorobiphenyl (PCB)	B	462252739001	29.74	pg/uL	1.000	0.5948	59	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070722011)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1232125	1741421	41.33
1-bromo-2-nitrobenzene (PCB)	A	4377739	5896586	34.69

ISTD (ICAL gc07_070722016)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1268)	B	1258225	1727459	37.29
1-bromo-2-nitrobenzene (1268)	A	4484014	5888860	31.33

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070722011)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.30	4.30	0.00

ISTD (ICAL gc07_070722016)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1268)	B	4.48	4.47	-0.01
1-bromo-2-nitrobenzene (1268)	A	4.30	4.30	0.00

?=missing u=use v=ICV out

Analyst: TRN 07/08/22 *

Reviewer: LW 07/11/22 *

QC Raw Data

ENTHALPY BLANK USER REPORT FOR 465035 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07	Lab ID:	QC998414		
Seqnum:	462271307031.5	Matrix:	Wipe		
File:	gc07_070722031	Batch:	292307	Time:	07-JUL-2022 20:14
Cal:	462252739001	Caldate:	25-JUN-2022		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Flags
Aroclor-1016	B	2.587	ug/L	ND	0.15	141%	0.50	u
Aroclor-1221	B			ND			0.50	u
Aroclor-1232	B			ND			0.50	u
Aroclor-1242	B			ND			0.50	u
Aroclor-1248	B			ND			0.50	u
Aroclor-1254	B			ND			0.50	u
Aroclor-1260	B	1.327	ug/L	ND	0.058	125%	0.50	u
Aroclor-1268	B			ND			0.50	u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	26.69	pg/uL	0.5000	0.2669	53	52-186	u
Decachlorobiphenyl (PCB)	B	26.59	pg/uL	0.5000	0.2659	**53***	60-140	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070722011)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1232125	1429196	15.99
1-bromo-2-nitrobenzene (PCB)	A	4377739	5074216	15.91

ISTD (ICAL gc07_070722016)	Ch	ICAL Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (1268)	B	1258225	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1268)	A	4484014	**???**	**-100.00 ***

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070722011)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.30	4.30	0.00

ISTD (ICAL gc07_070722016)	Ch	ICAL RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (1268)	B	4.48	**???**	
1-bromo-2-nitrobenzene (1268)	A	4.30	**???**	

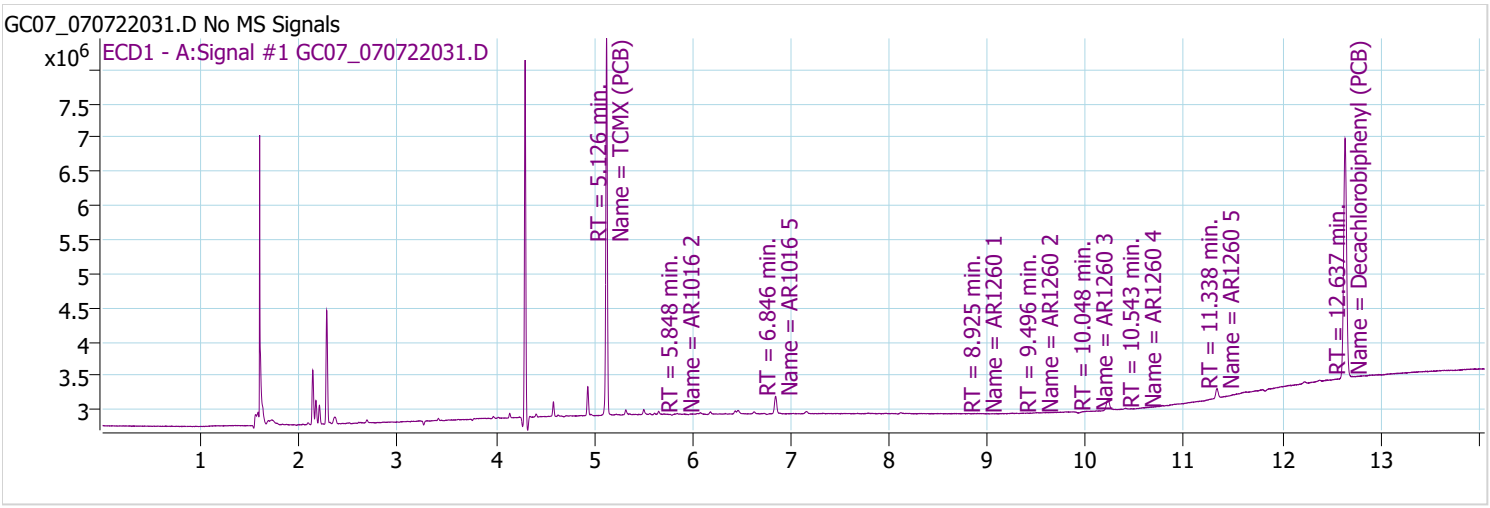
u=use

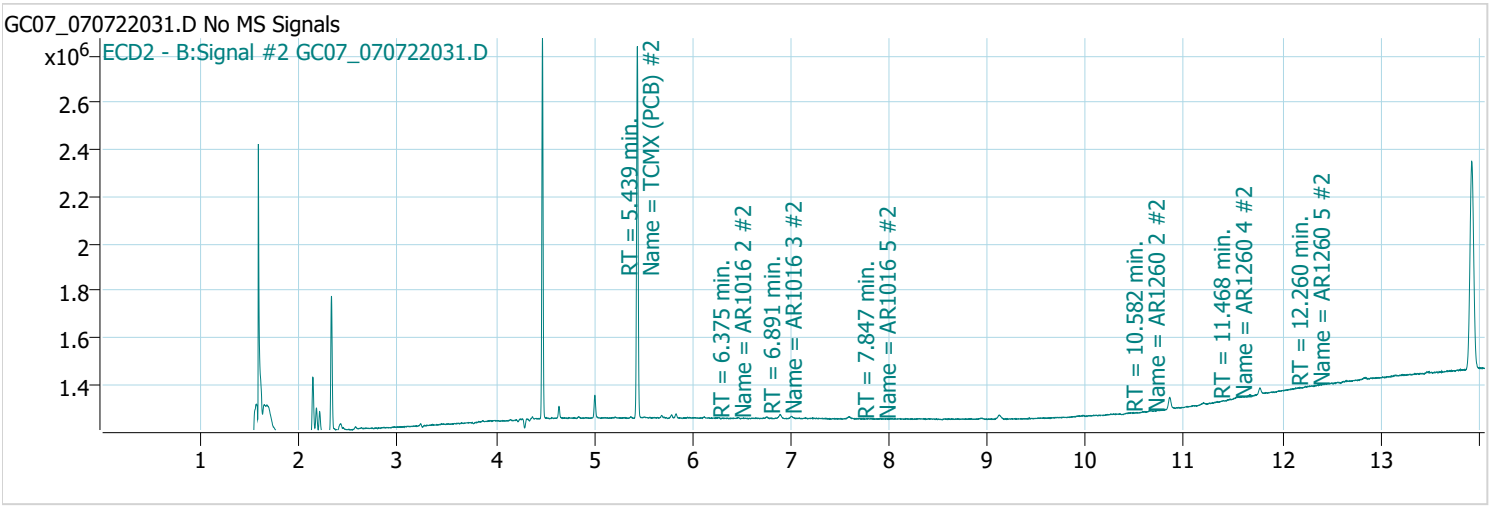
Analyst: TRN 07/08/22 *

Reviewer: LW 07/11/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC07_070722031.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/7/2022 8:14:16 PM
Sample Name	QC998414, 292307, 1	Instrument	SVOA-GC07
Vial	15	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_6.m	Comment	SOIL/10G-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	070722PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



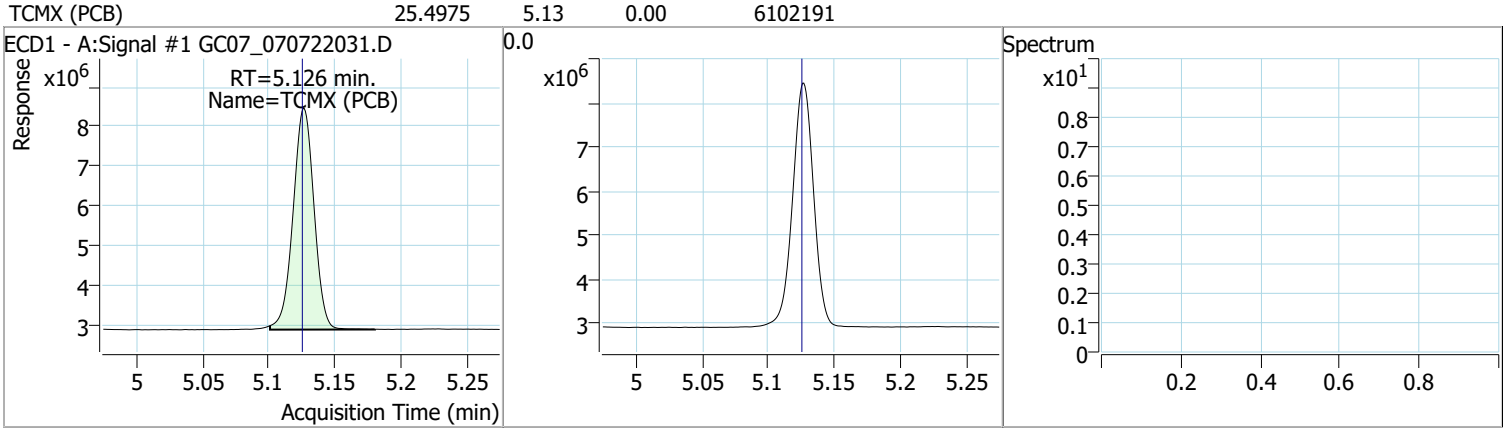


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.298	0.0	5074216.100	20.0000	ng/ml	m	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.474	0.0	1429195.636	20.0000	ng/ml	m	0.000
System Monitoring Compounds							
S TCMX (PCB)	5.126	0.0	6102190.917	25.4975	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 127.49%			
S TCMX (PCB) #2	5.439	0.0	1730374.869	26.6783	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 133.39%			
S Decachlorobiphenyl (PCB)	12.637	0.0	7426299.639	26.1995	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 131.00%			
S Decachlorobiphenyl (PCB) #2	13.925	0.0	2339066.515	26.5787	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 132.89%			
Target Compounds							QValue

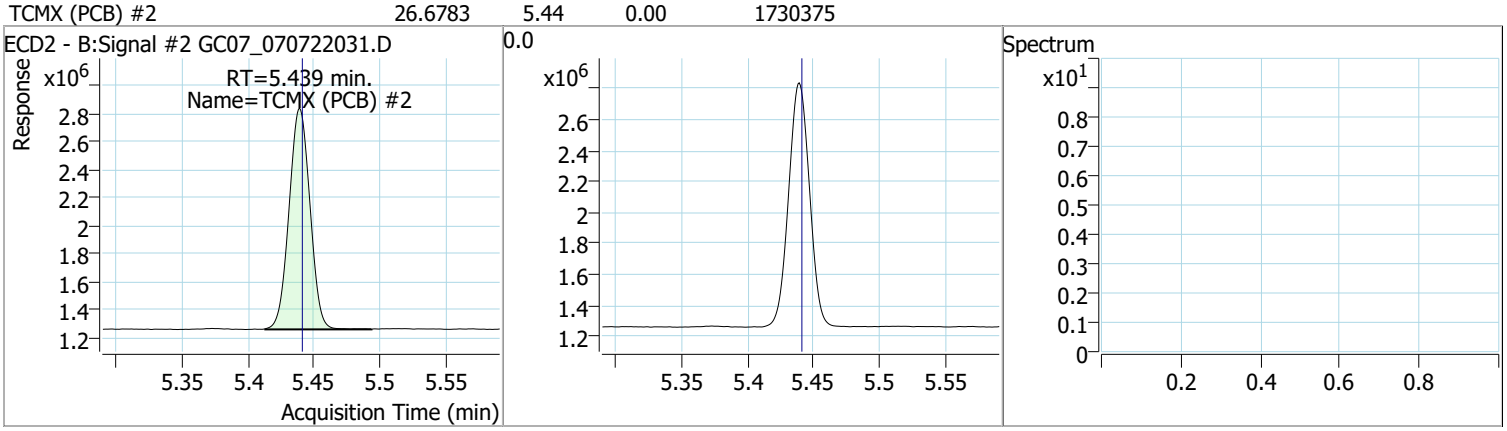
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.456	0.0	5927.925	1.2177	ng/ml	100
T AR1016 2	5.848	0.0	72918.143	6.9113	ng/ml	100
T AR1016 1 #2	5.928	0.0	3015.024	2.0948	ng/ml	100
T AR1016 3	6.313	0.0	3855.033	0.3155	ng/ml	100
T AR1016 2 #2	6.375	0.0	565.895	0.1806	ng/ml	100
T AR1016 4	6.434	0.0	62254.070	7.0859	ng/ml	100
T AR1016 5	6.846	0.0	438364.925	59.9009	ng/ml	100
T AR1016 3 #2	6.891	0.0	36411.562	10.1284	ng/ml	100
T AR1016 4 #2	7.108	0.0	1057.259	0.4237	ng/ml	100
T AR1016 5 #2	7.847	0.0	205.962	0.0988	ng/ml	100
T AR1260 1	8.925	0.0	7586.899	0.4909	ng/ml	100
T AR1260 2	9.496	0.0	4476.138	0.2018	ng/ml	100
T AR1260 3	10.048	0.0	76158.776	3.3876	ng/ml	100
T AR1260 1 #2	10.289	0.0	11562.748	2.5546	ng/ml	100
T AR1260 4	10.543	0.0	825.686	0.0718	ng/ml	100
T AR1260 2 #2	10.582	0.0	2274.560	0.4523	ng/ml	100
T AR1260 3 #2	11.096	0.0	4352.867	0.7032	ng/ml	100
T AR1260 5	11.338	0.0	259435.264	24.5880	ng/ml	100
T AR1260 4 #2	11.468	0.0	5233.869	1.5071	ng/ml	100
T AR1260 5 #2	12.260	0.0	7062.222	1.4151	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

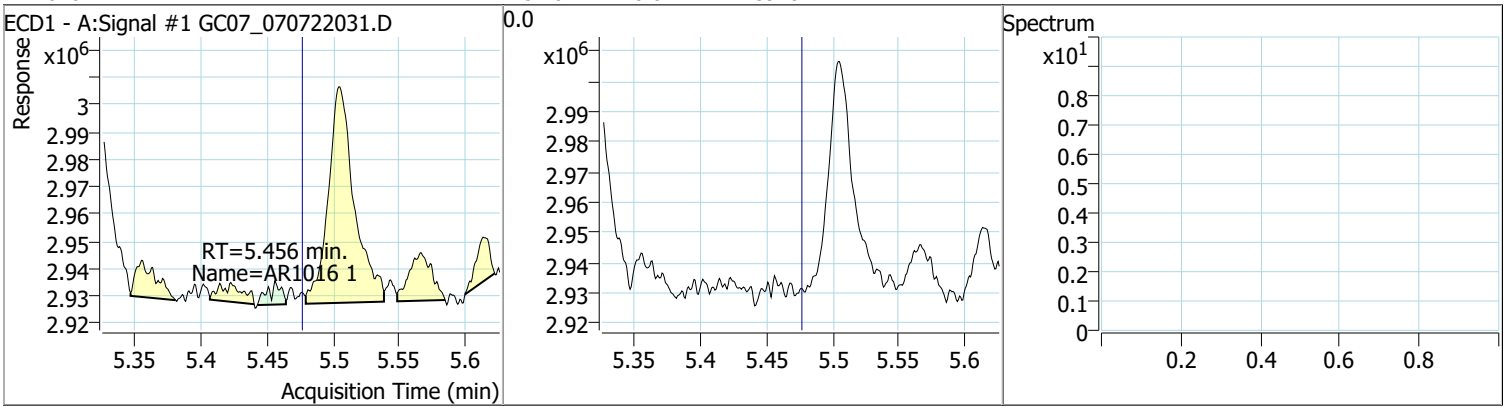
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	25.4975	5.13	0.00	6102191				



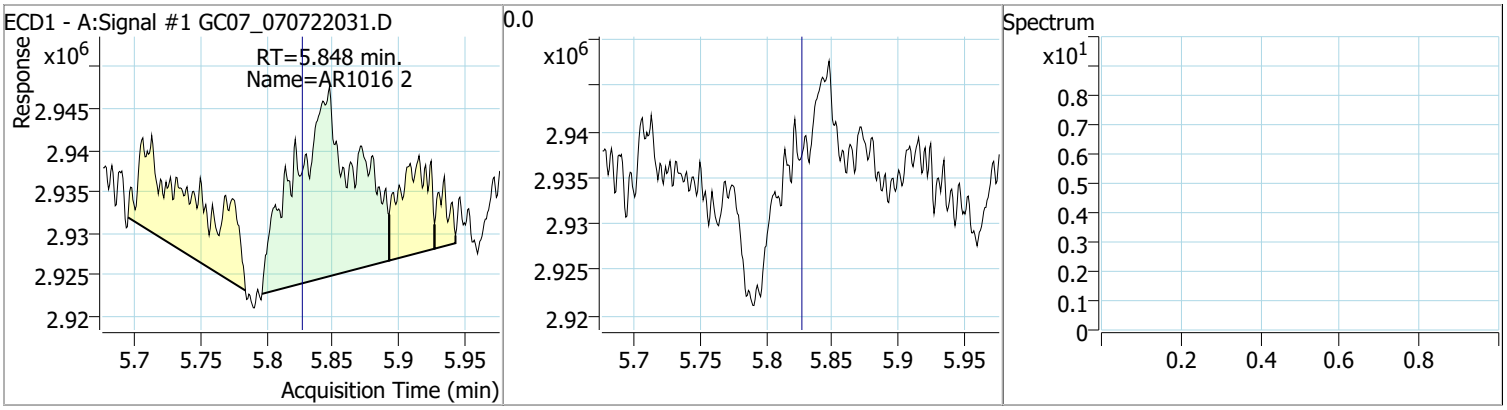
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	26.6783	5.44	0.00	1730375				



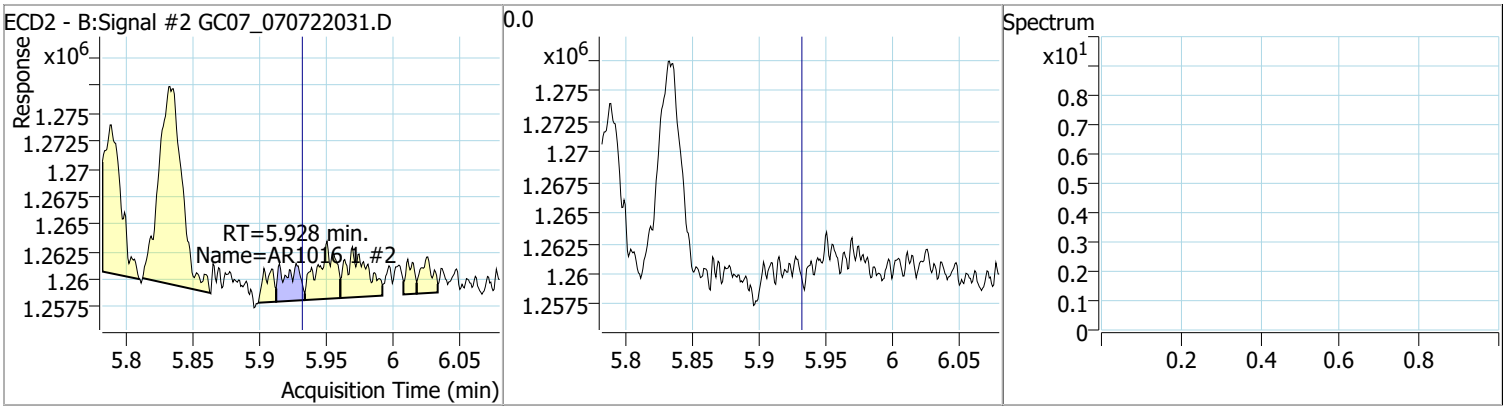
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1.2177	5.46	-0.02	5928				



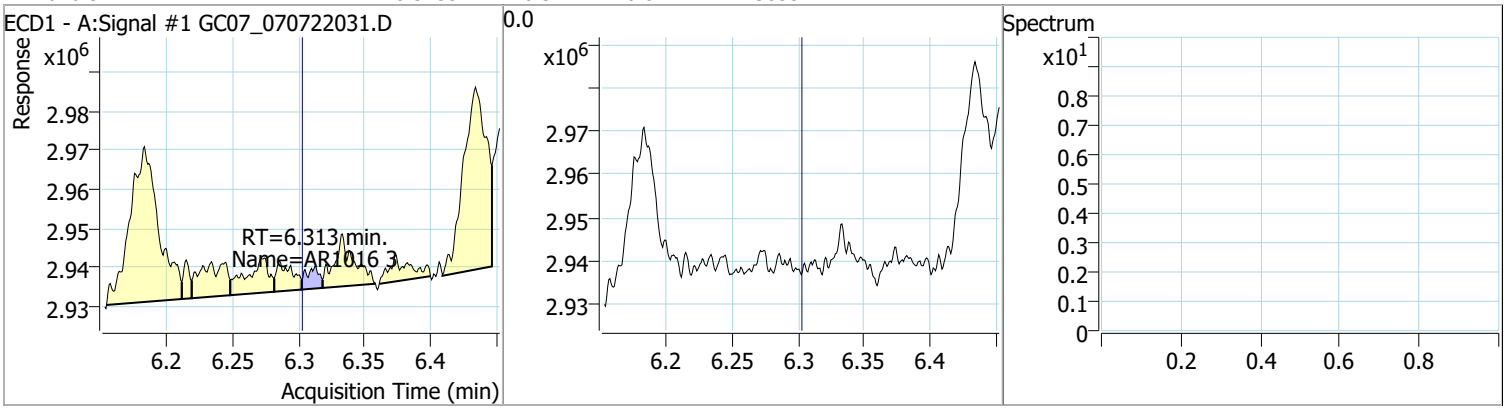
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	6.9113	5.85	0.02	72918				



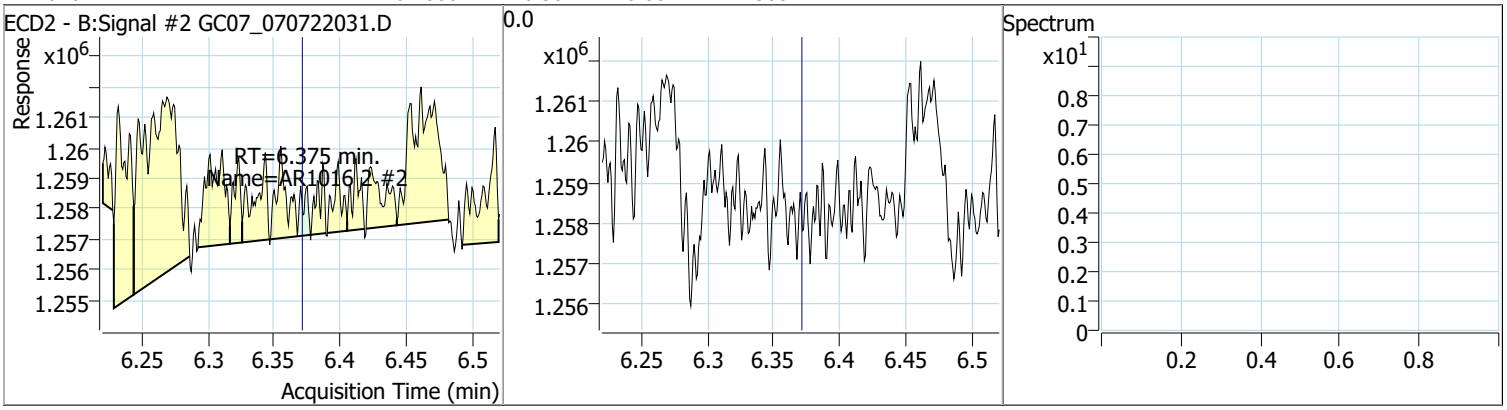
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	2.0948	5.93	0.00	3015				



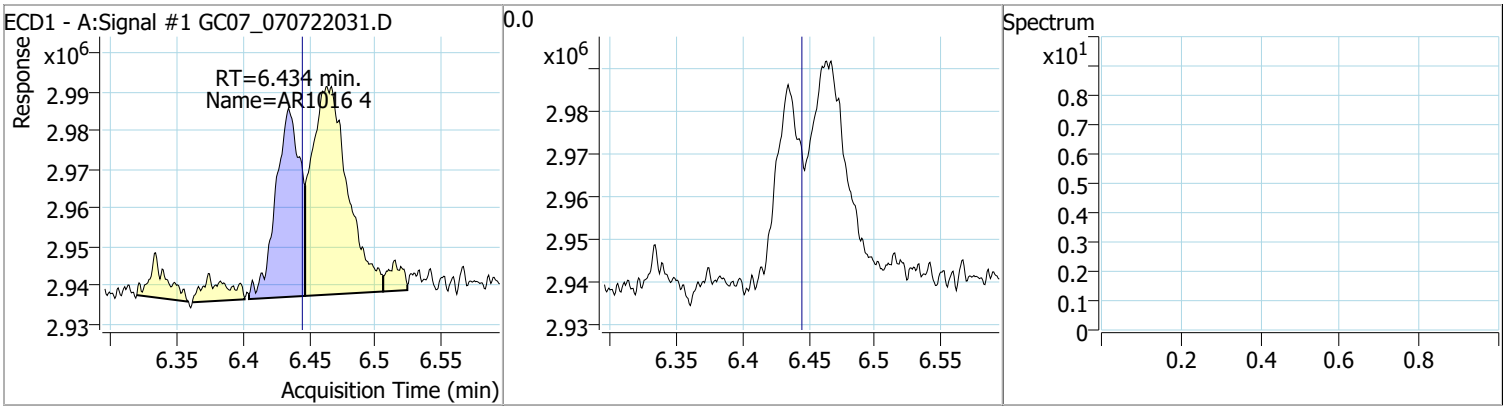
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	0.3155	6.31	0.01	3855				



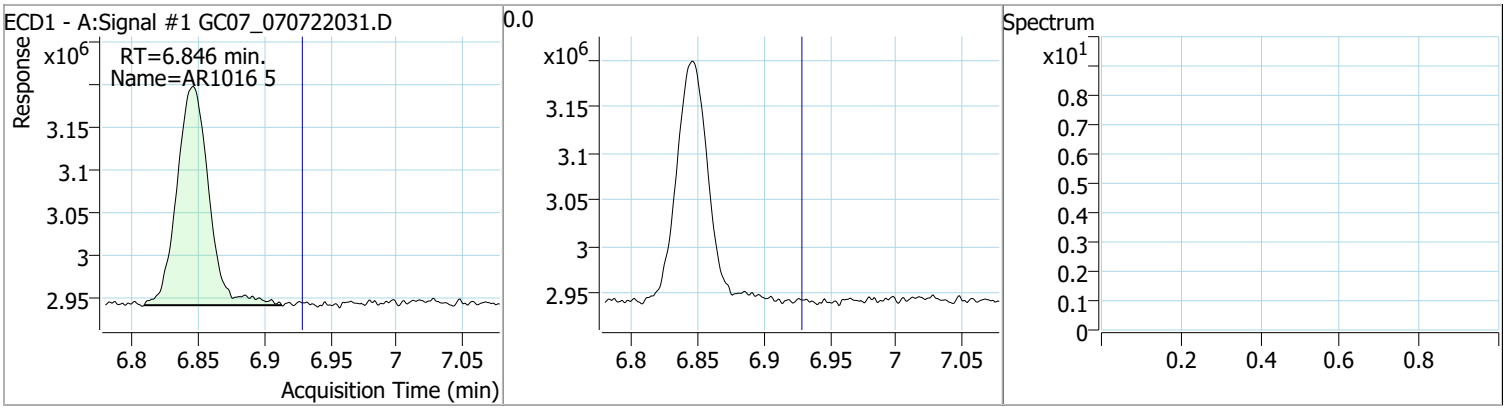
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	0.1806	6.38	0.00	566				



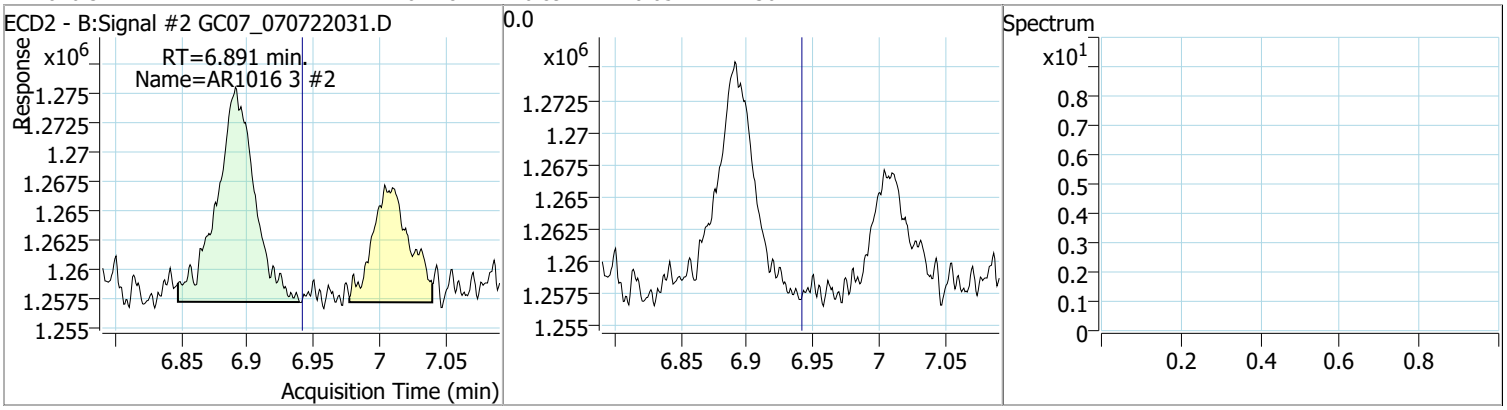
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	7.0859	6.43	-0.01	62254				



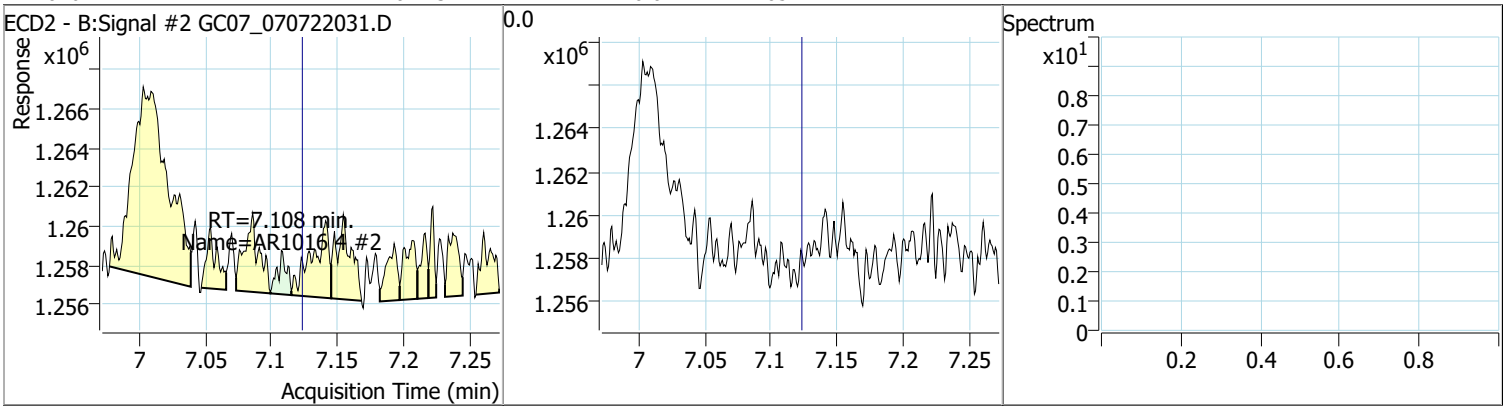
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	59.9009	6.85	-0.08	438365				



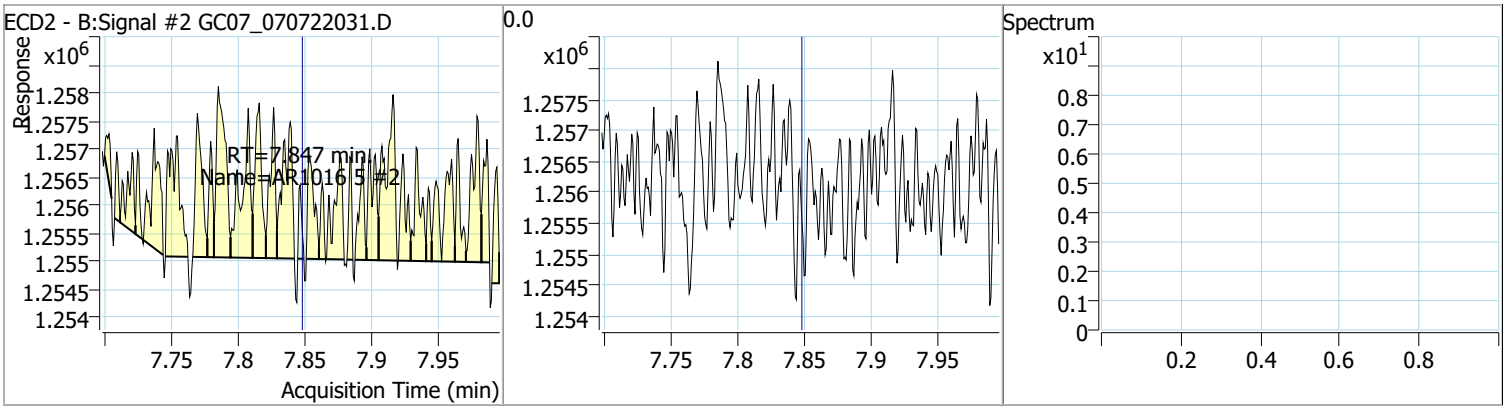
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	10.1284	6.89	-0.05	36412				



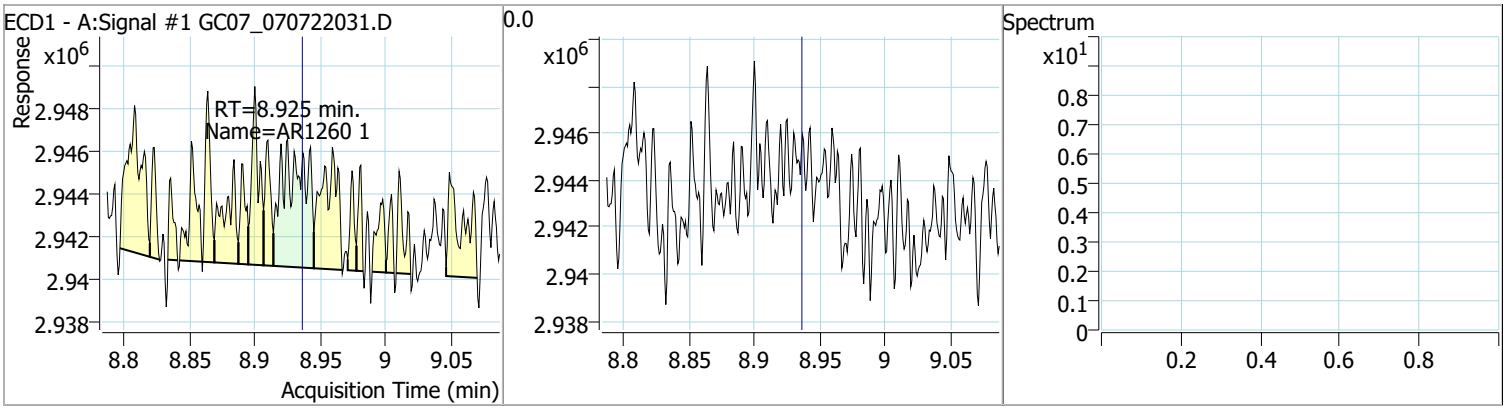
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.4237	7.11	-0.01	1057				



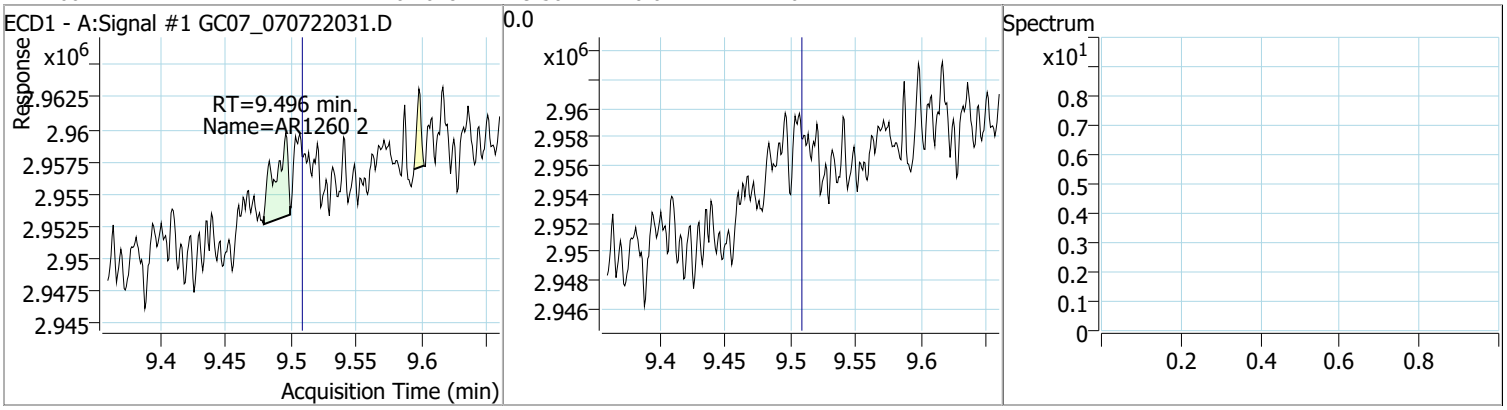
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.0988	7.85	0.00	206				



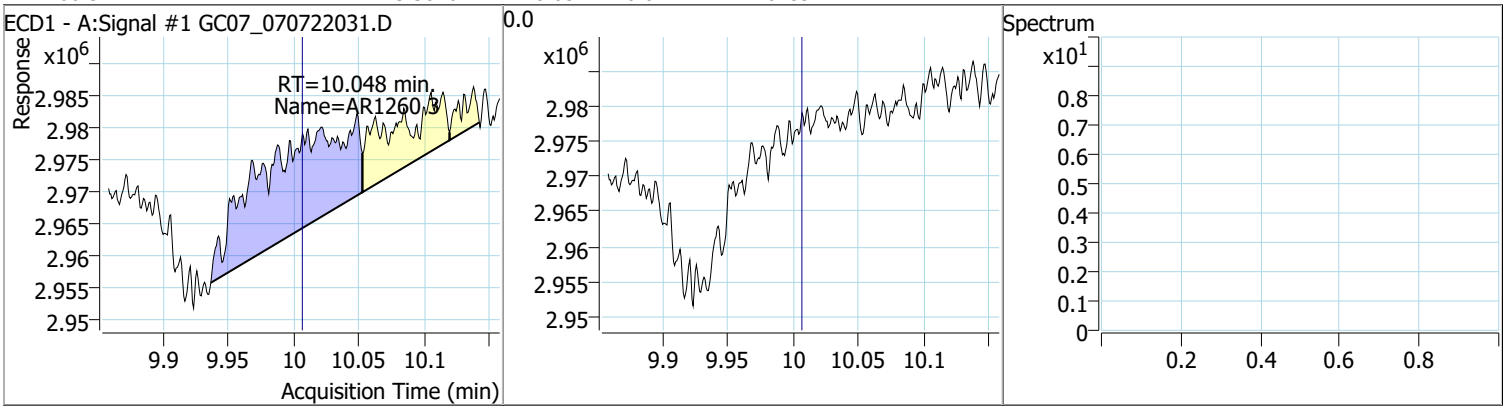
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	0.4909	8.93	-0.01	7587				



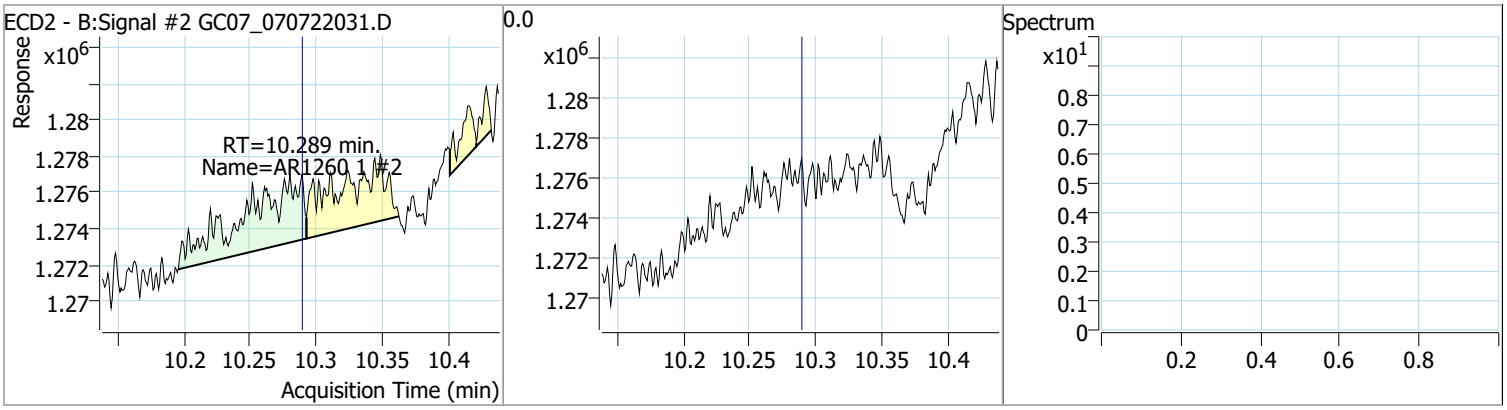
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.2018	9.50	-0.01	4476				



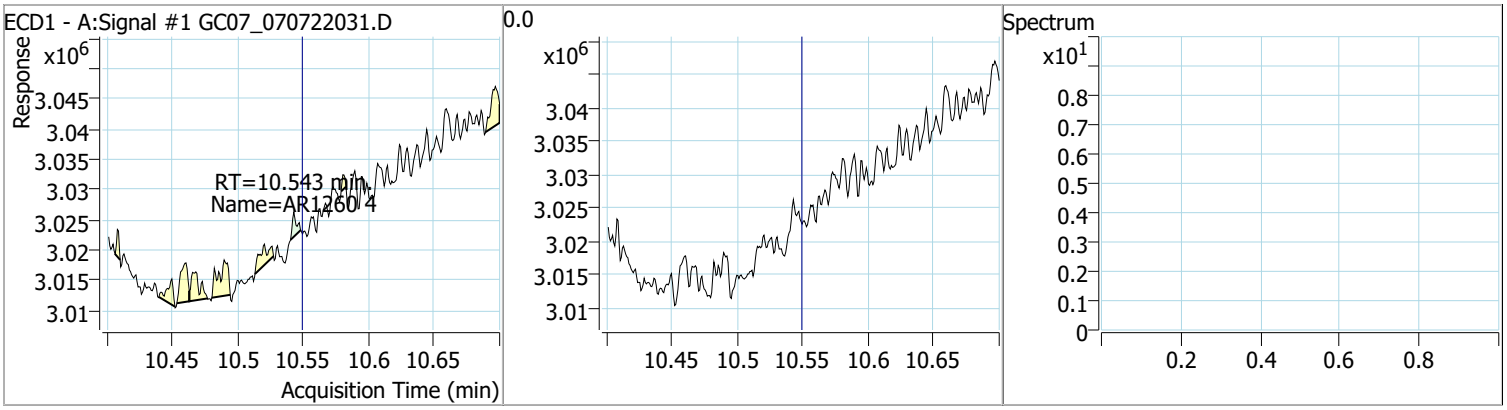
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	3.3876	10.05	0.04	76159				



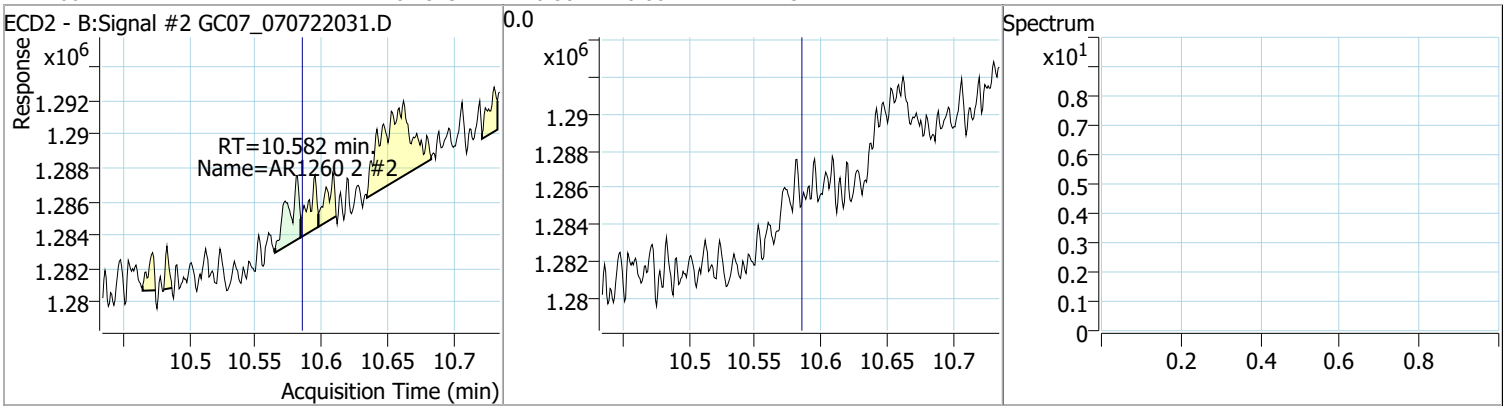
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	2.5546	10.29	0.00	11563				



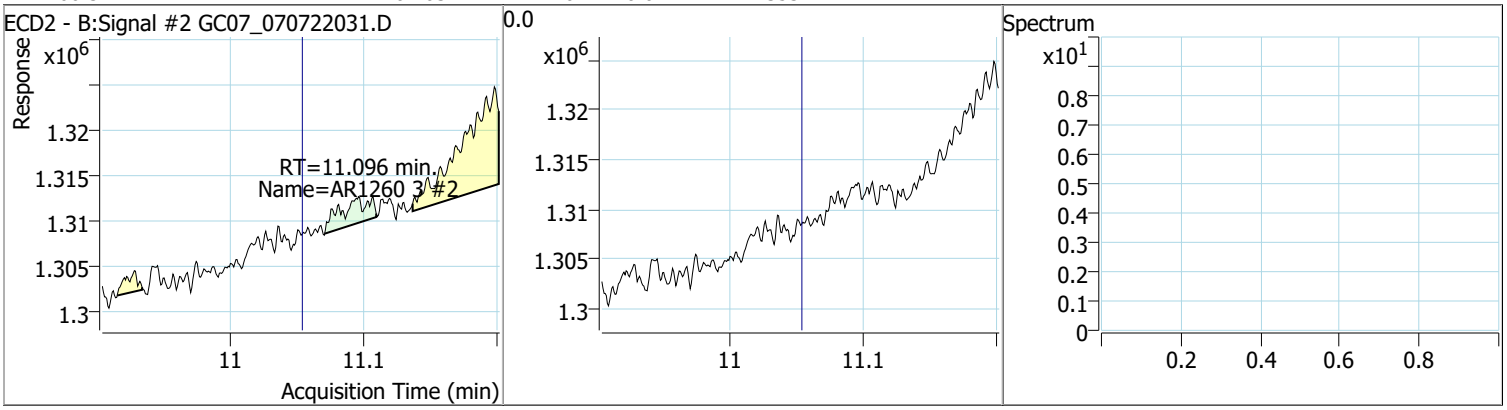
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	0.0718	10.54	-0.01	826				



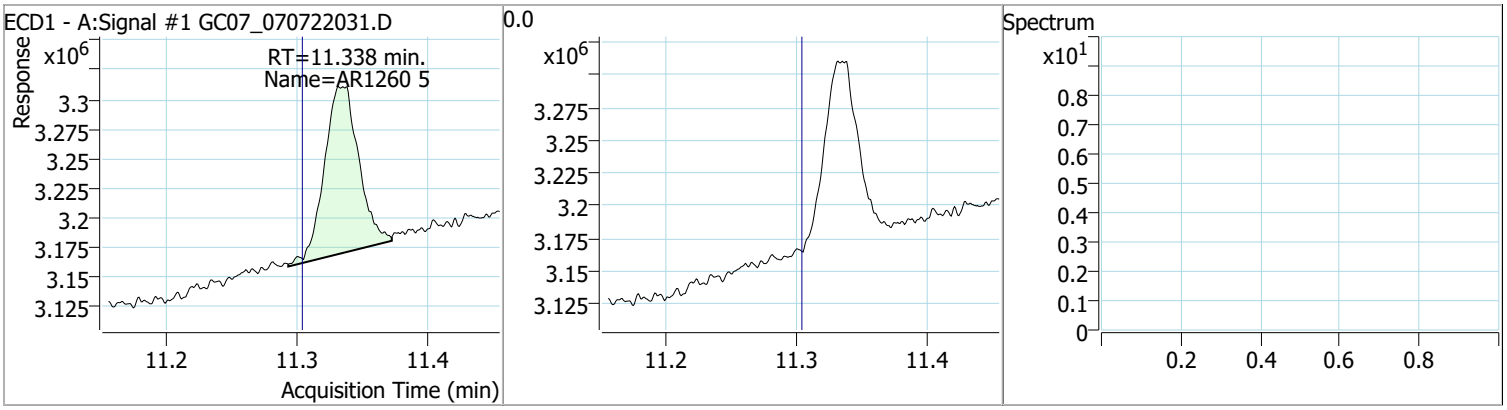
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	0.4523	10.58	0.00	2275				



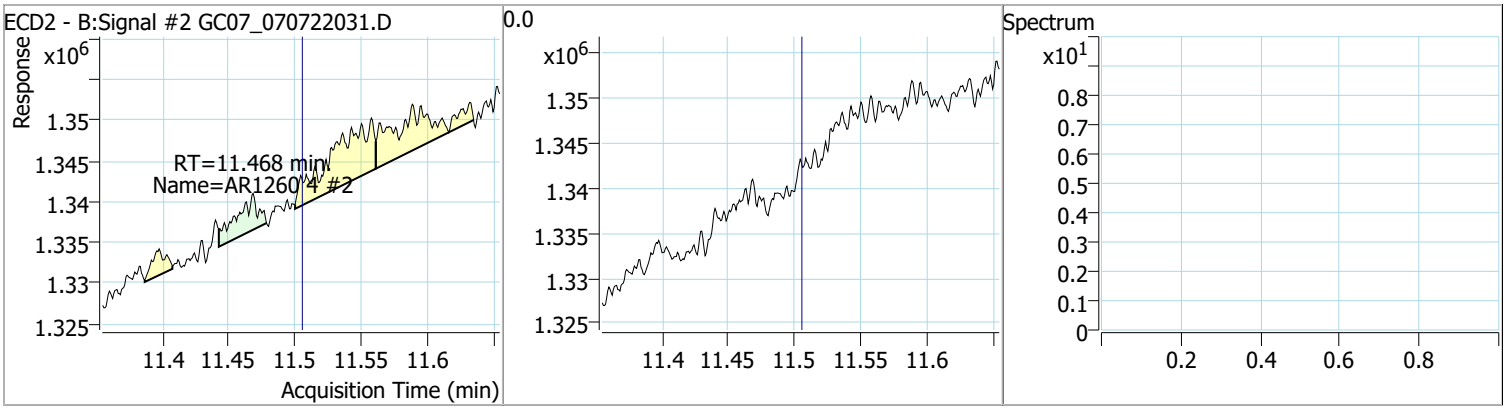
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	0.7032	11.10	0.04	4353				



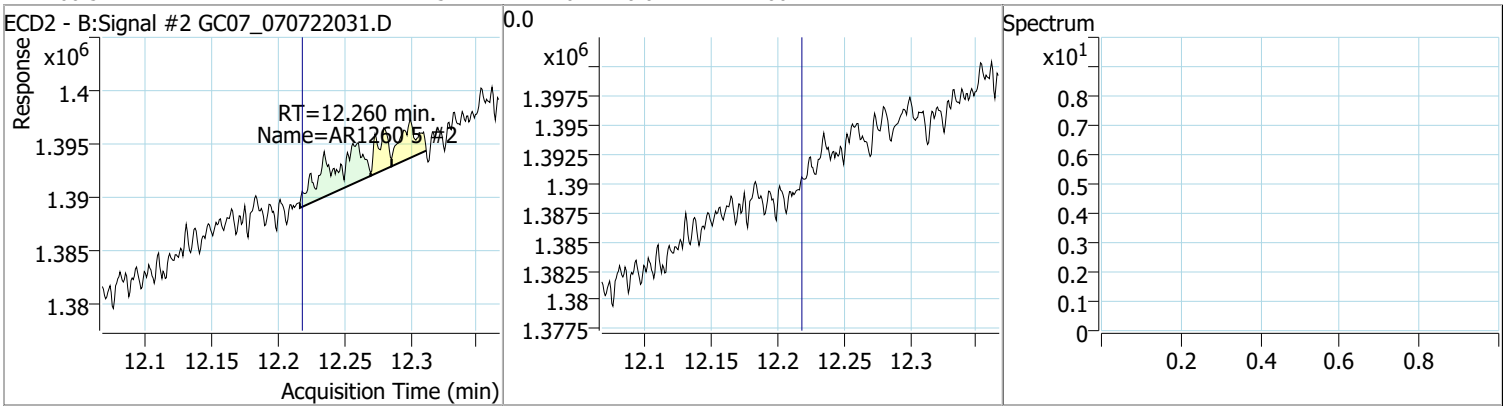
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	24.5880	11.34	0.03	259435				



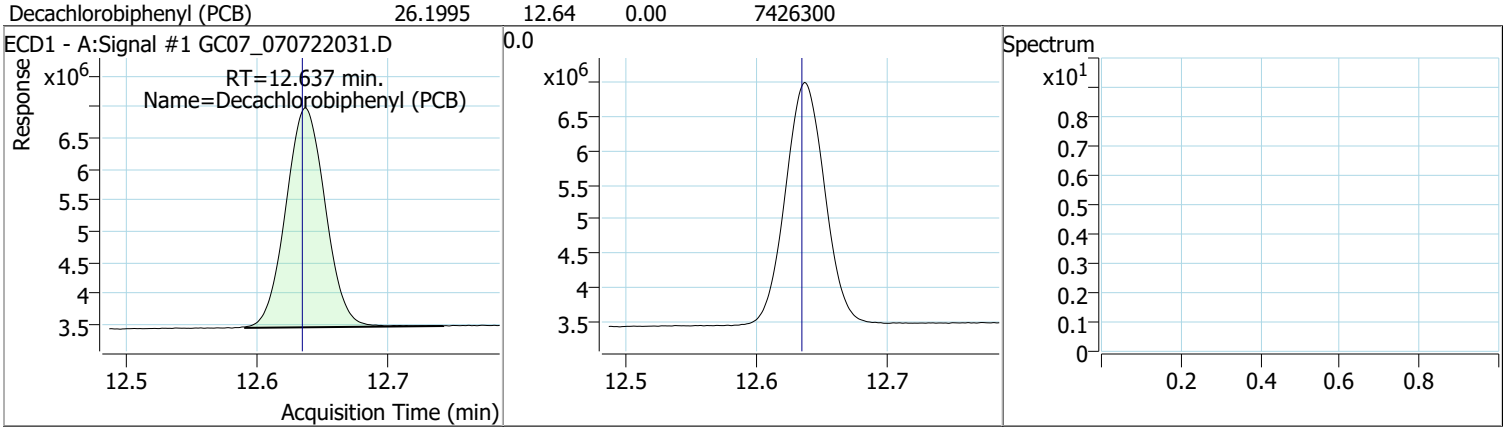
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1.5071	11.47	-0.04	5234				



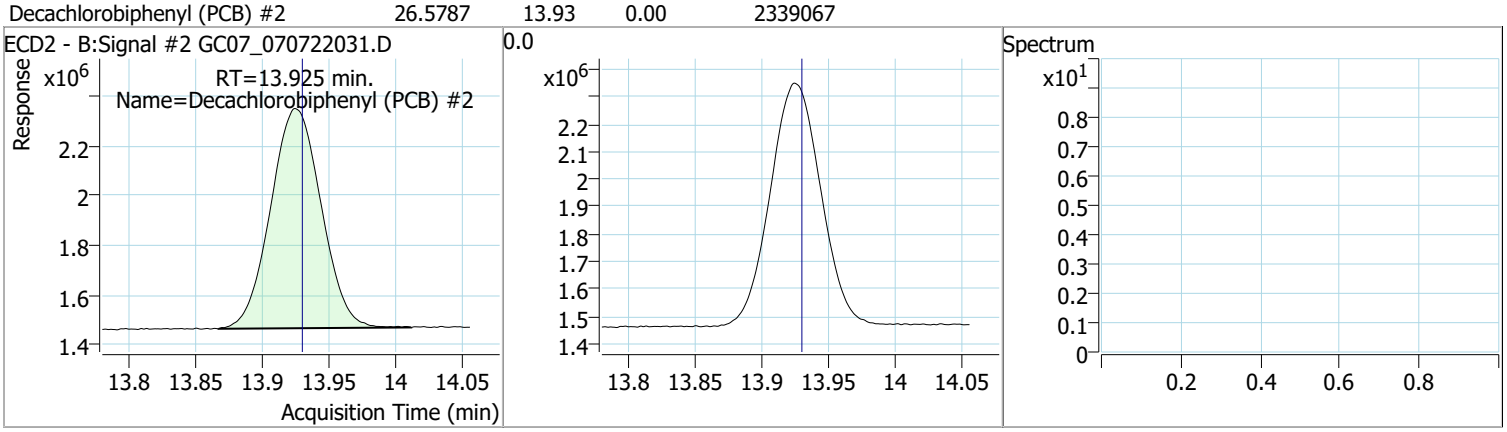
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1.4151	12.26	0.04	7062				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	26.1995	12.64	0.00	7426300				

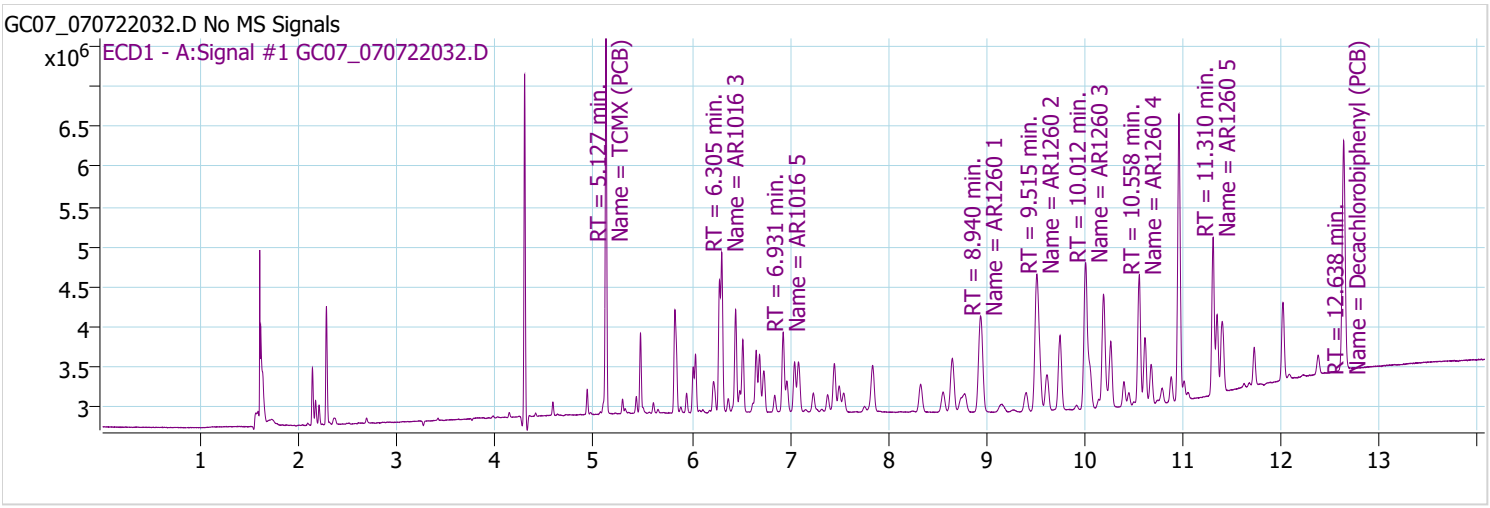


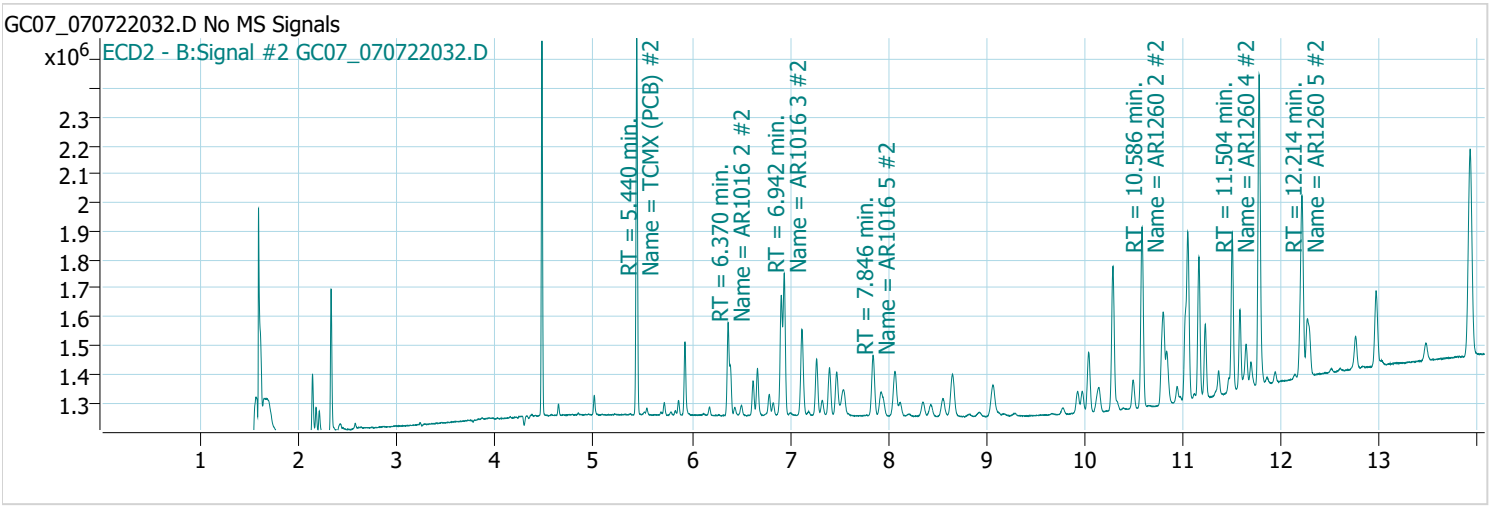
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	26.5787	13.93	0.00	2339067				



Quantitation Results Report (Not Reviewed)

Data File	GC07_070722032.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/7/2022 8:31:59 PM
Sample Name	QC998415, 292307, 1	Instrument	SVOA-GC07
Vial	16	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_6.m	Comment	SOIL/10G-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	070722PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



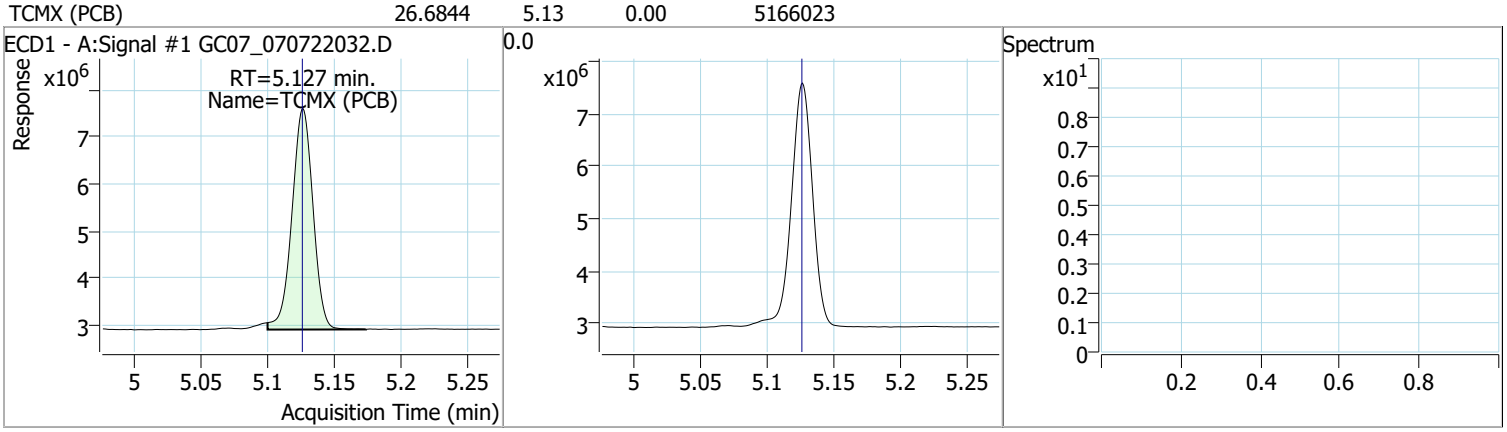


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.298	0.0	4104678.850	20.0000	ng/ml	m	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.474	0.0	1141900.975	20.0000	ng/ml	m	0.000
System Monitoring Compounds							
S TCMX (PCB)	5.127	0.0	5166023.458	26.6844	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 133.42%			
S TCMX (PCB) #2	5.440	0.0	1439061.935	27.7690	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 138.85%			
S Decachlorobiphenyl (PCB)	12.638	0.0	6033946.093	26.3155	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 131.58%			
S Decachlorobiphenyl (PCB) #2	13.927	0.0	1913351.183	27.2113	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 136.06%			
Target Compounds							QValue

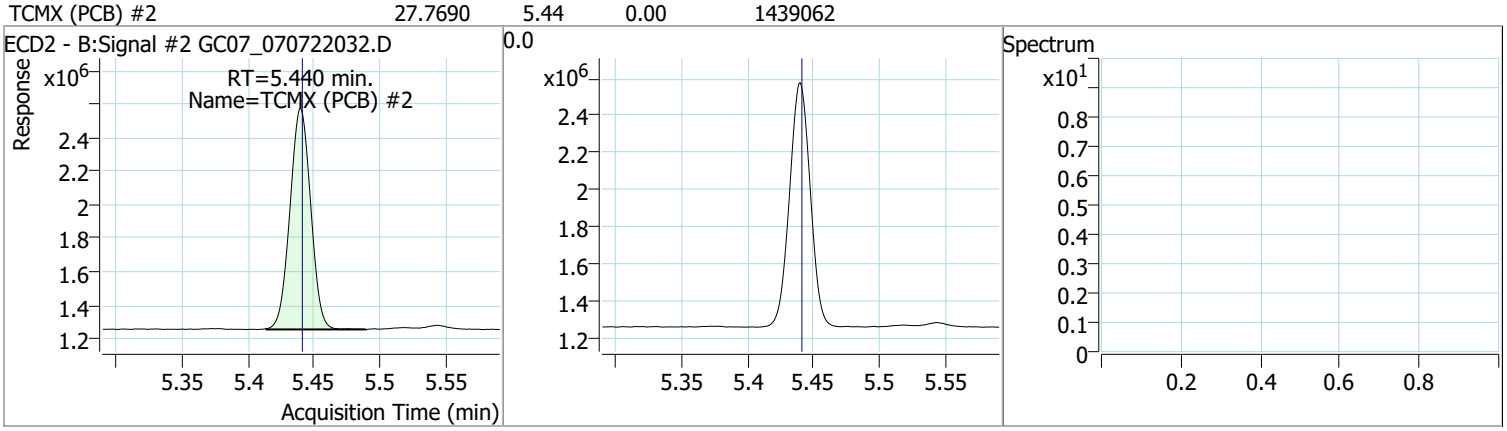
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.478	0.0	1233229.268	313.1710	ng/ml	100
T AR1016 2	5.828	0.0	2333081.390	273.3655	ng/ml	100
T AR1016 1 #2	5.931	0.0	322858.575	280.7585	ng/ml	100
T AR1016 3	6.305	0.0	2848760.622	288.2479	ng/ml	100
T AR1016 2 #2	6.370	0.0	658450.415	262.9533	ng/ml	100
T AR1016 4	6.447	0.0	1997336.475	281.0383	ng/ml	100
T AR1016 5	6.931	0.0	1702386.931	287.5712	ng/ml	100
T AR1016 3 #2	6.942	0.0	808989.031	281.6487	ng/ml	100
T AR1016 4 #2	7.122	0.0	568966.702	285.4074	ng/ml	100
T AR1016 5 #2	7.846	0.0	444674.732	267.0278	ng/ml	100
T AR1260 1	8.940	0.0	3513151.048	281.0224	ng/ml	100
T AR1260 2	9.515	0.0	5322997.375	296.6157	ng/ml	100
T AR1260 3	10.012	0.0	4950034.714	272.1916	ng/ml	100
T AR1260 1 #2	10.290	0.0	974444.156	269.4494	ng/ml	100
T AR1260 4	10.558	0.0	3025928.450	325.4822	ng/ml	100
T AR1260 2 #2	10.586	0.0	1162358.096	289.2966	ng/ml	100
T AR1260 3 #2	11.051	0.0	1430009.904	289.1585	ng/ml	100
T AR1260 5	11.310	0.0	3386132.571	396.7233	ng/ml	100
T AR1260 4 #2	11.504	0.0	873138.659	314.6809	ng/ml	100
T AR1260 5 #2	12.214	0.0	1375410.519	344.9473	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

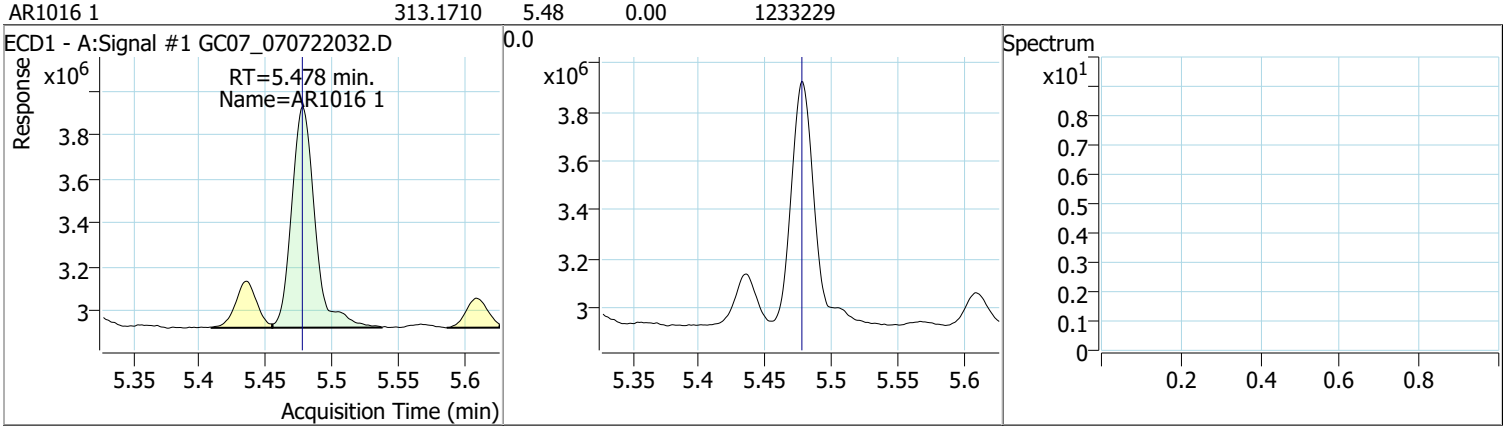
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	26.6844	5.13	0.00	5166023				



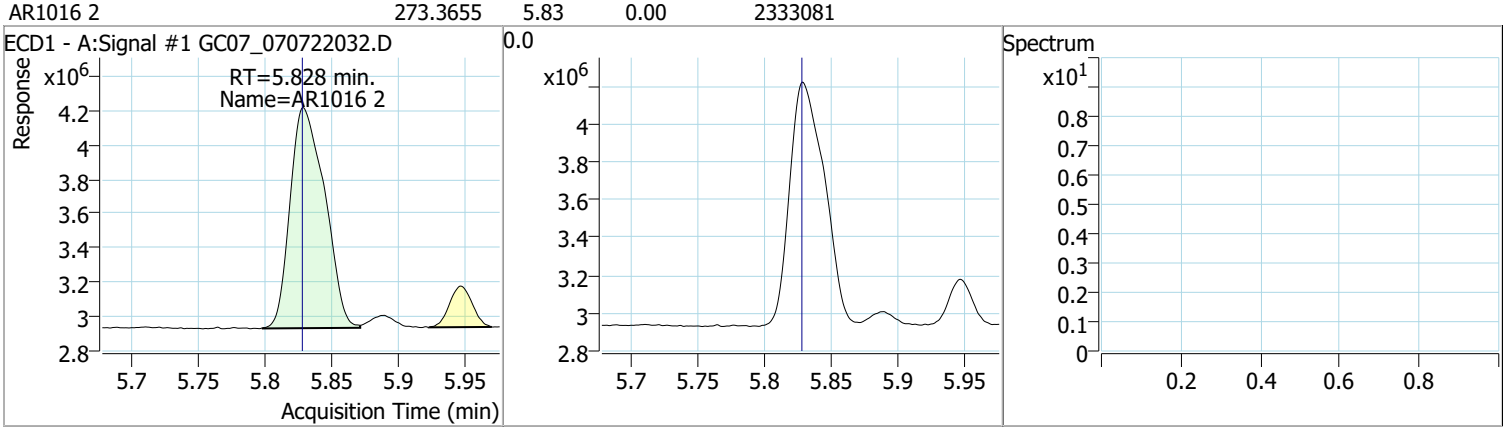
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	27.7690	5.44	0.00	1439062				



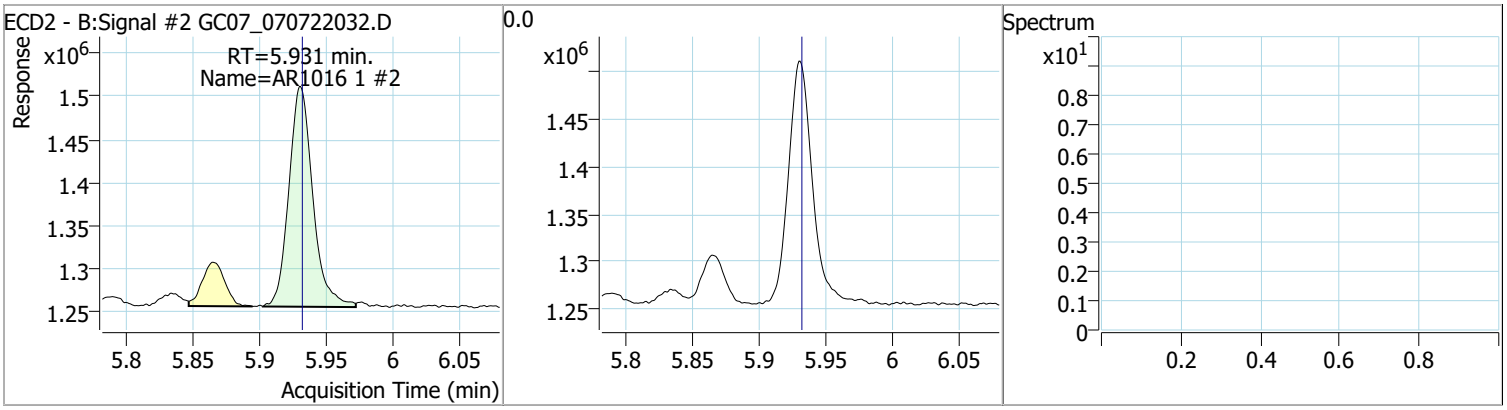
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	313.1710	5.48	0.00	1233229				



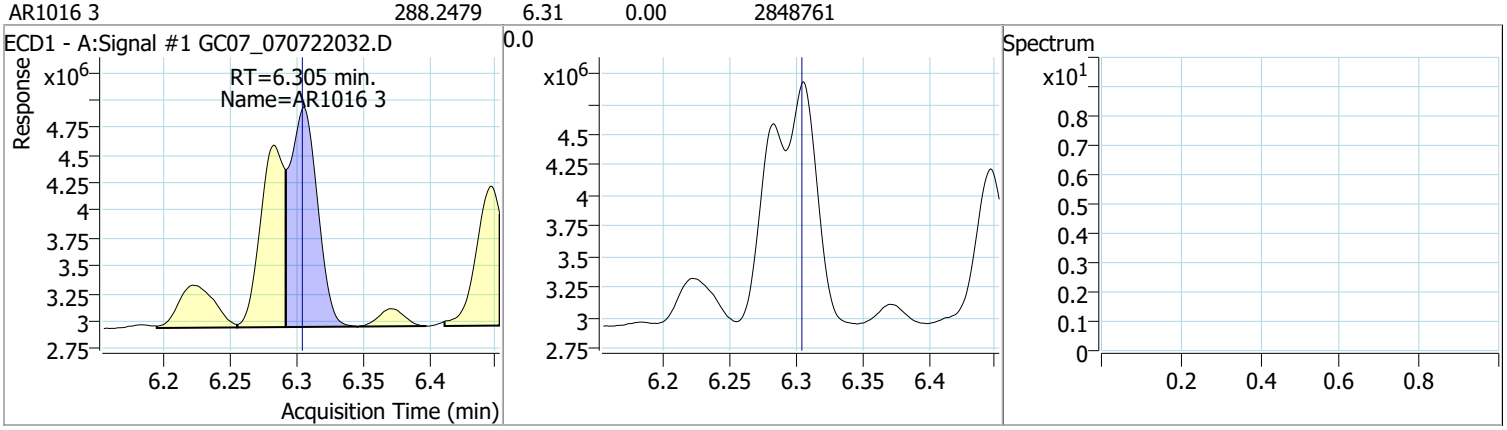
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	273.3655	5.83	0.00	2333081				



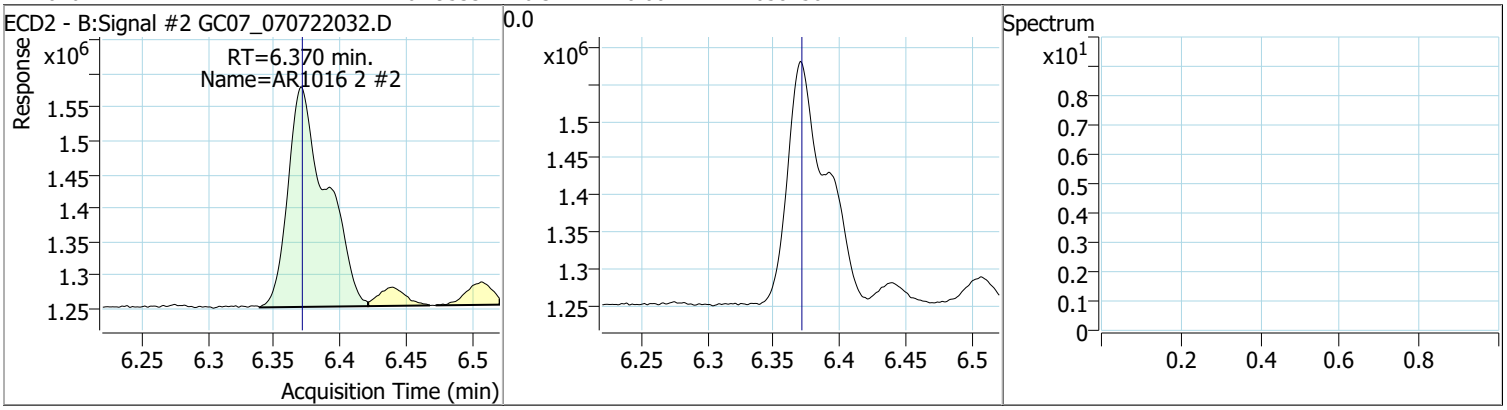
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	280.7585	5.93	0.00	322859				



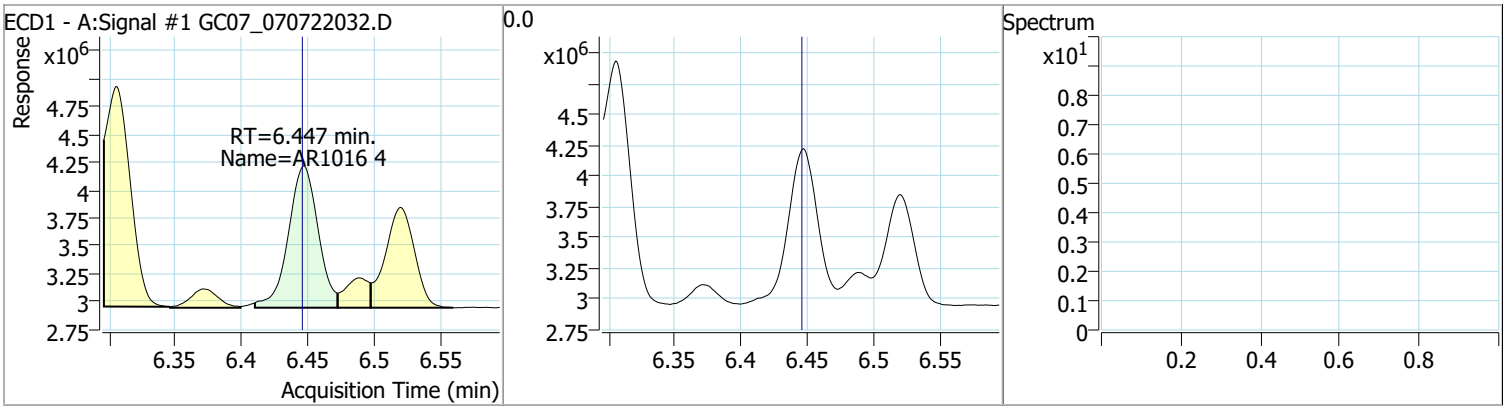
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	288.2479	6.31	0.00	2848761				



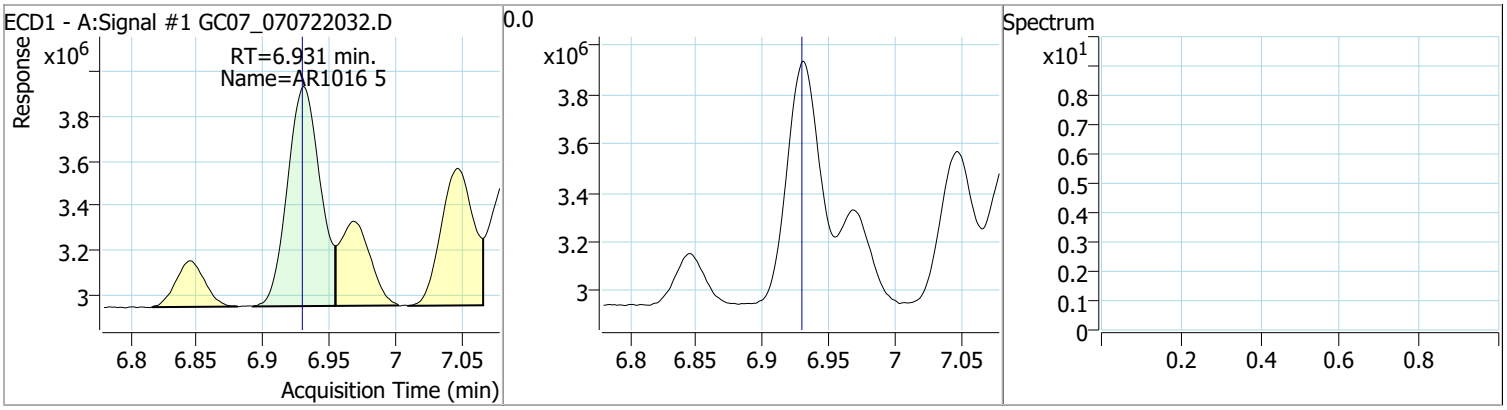
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	262.9533	6.37	0.00	658450				



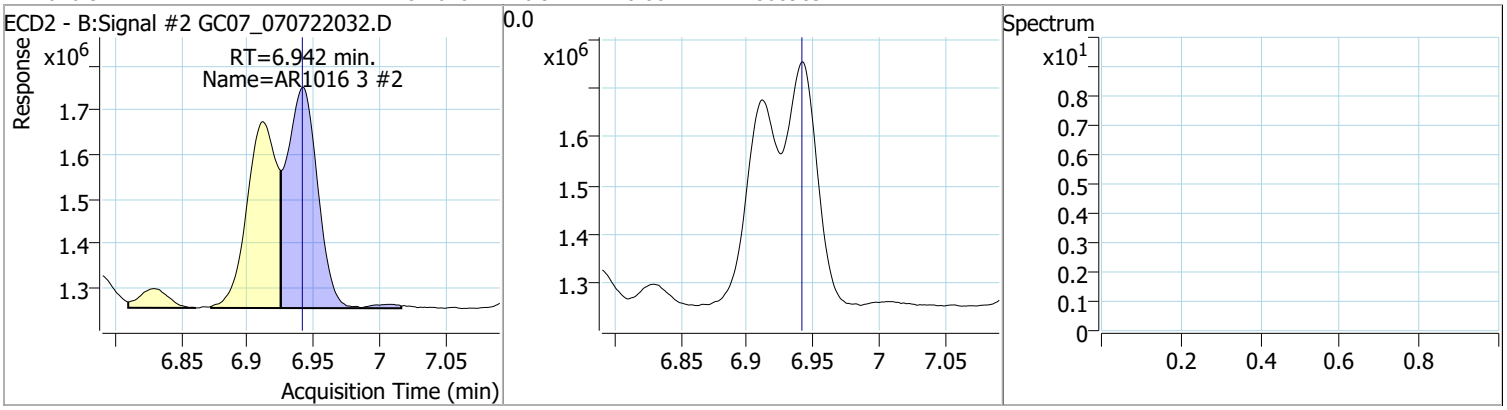
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	281.0383	6.45	0.00	1997336				



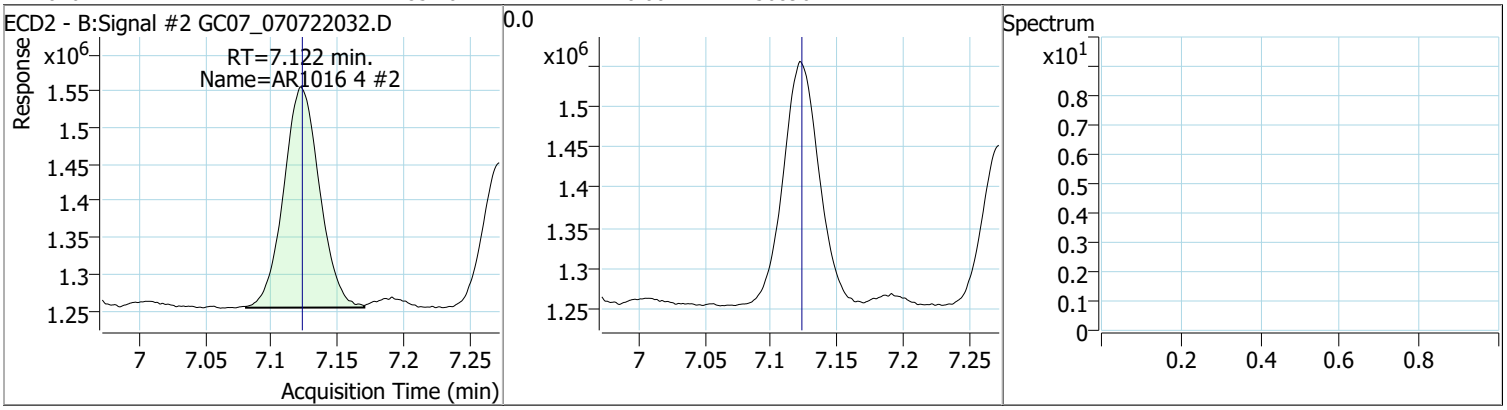
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	287.5712	6.93	0.00	1702387				



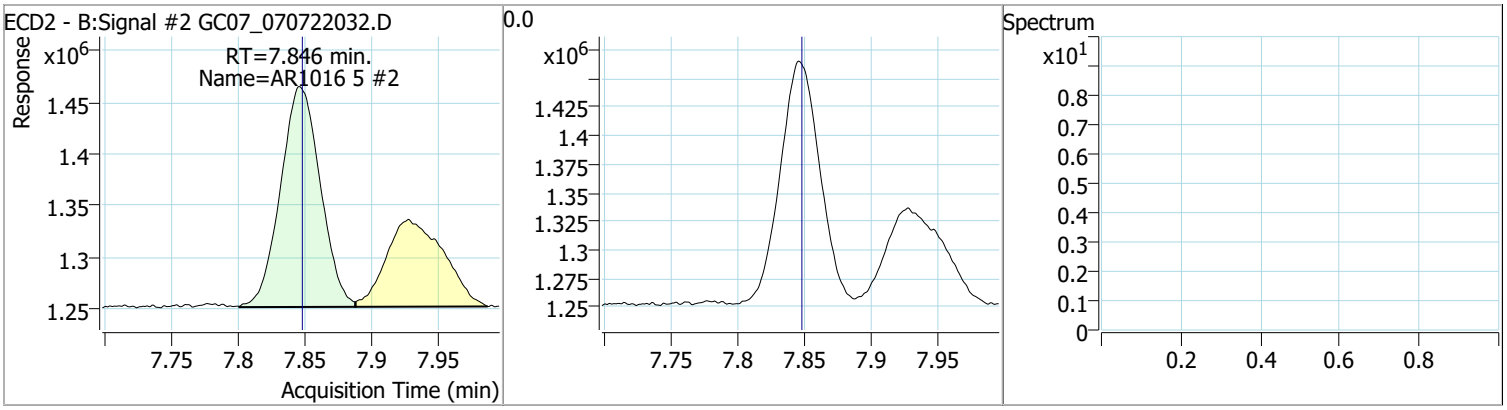
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	281.6487	6.94	0.00	808989				



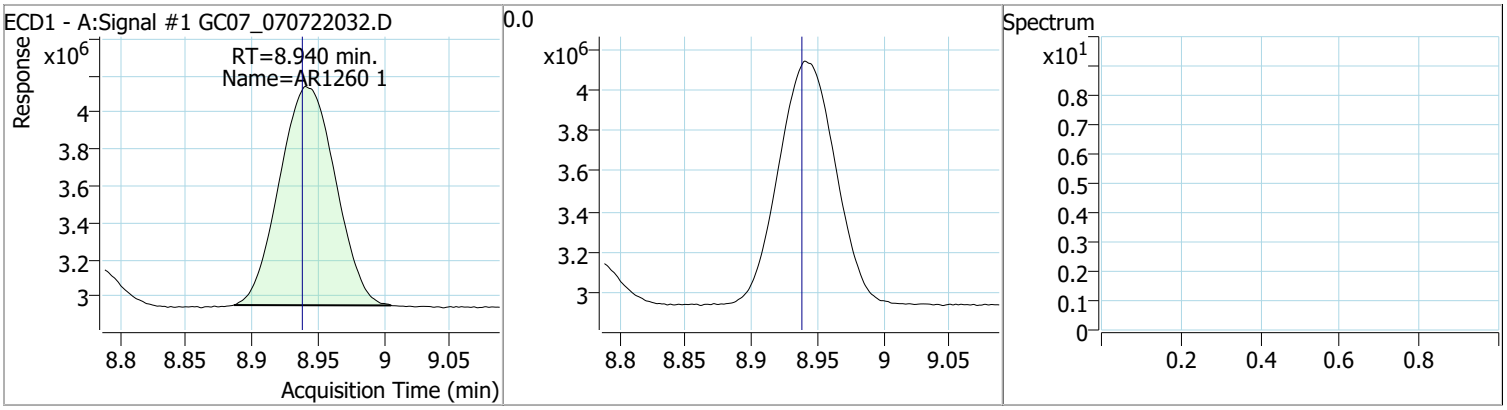
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	285.4074	7.12	0.00	568967				



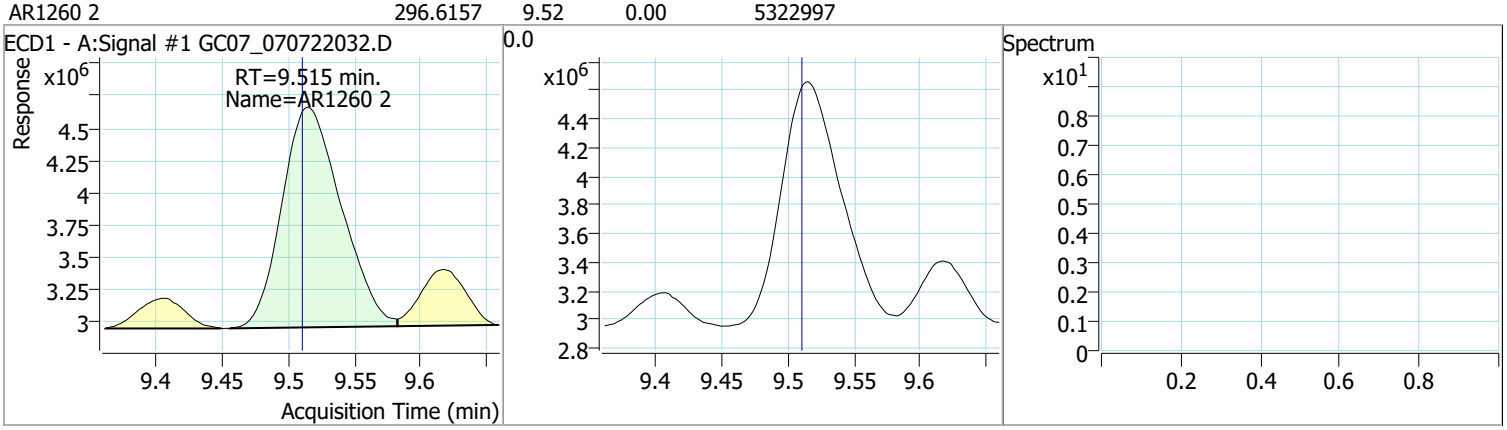
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	267.0278	7.85	0.00	444675				



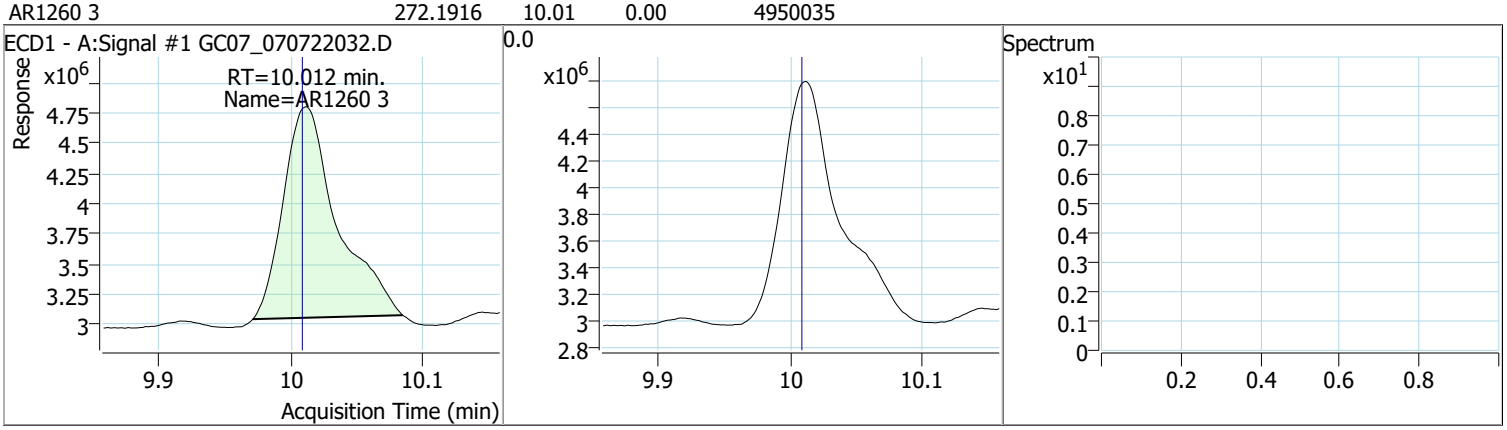
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	281.0224	8.94	0.00	3513151				



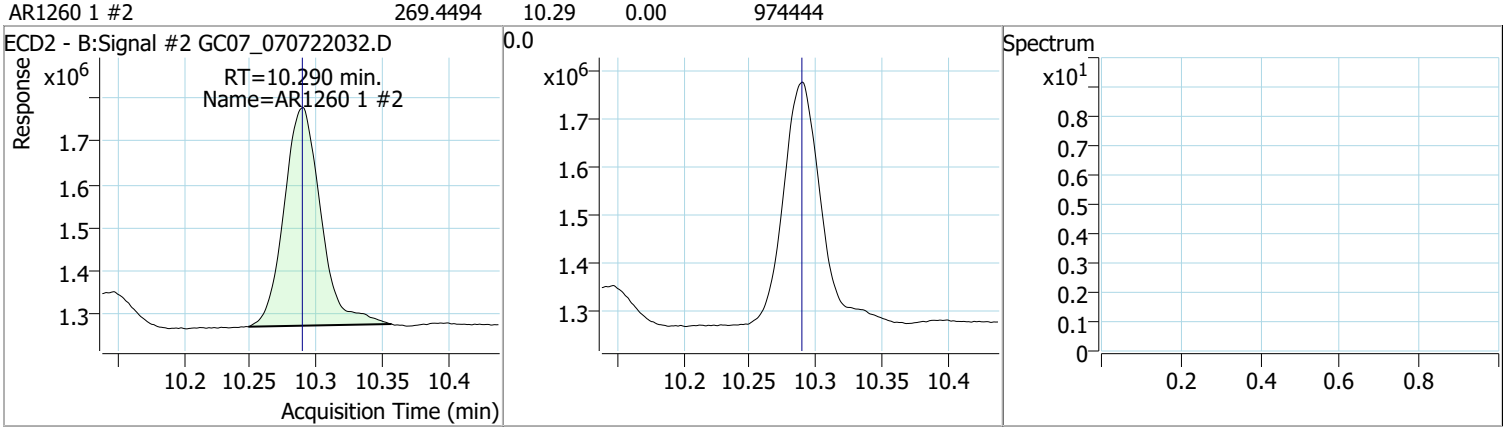
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	296.6157	9.52	0.00	5322997				



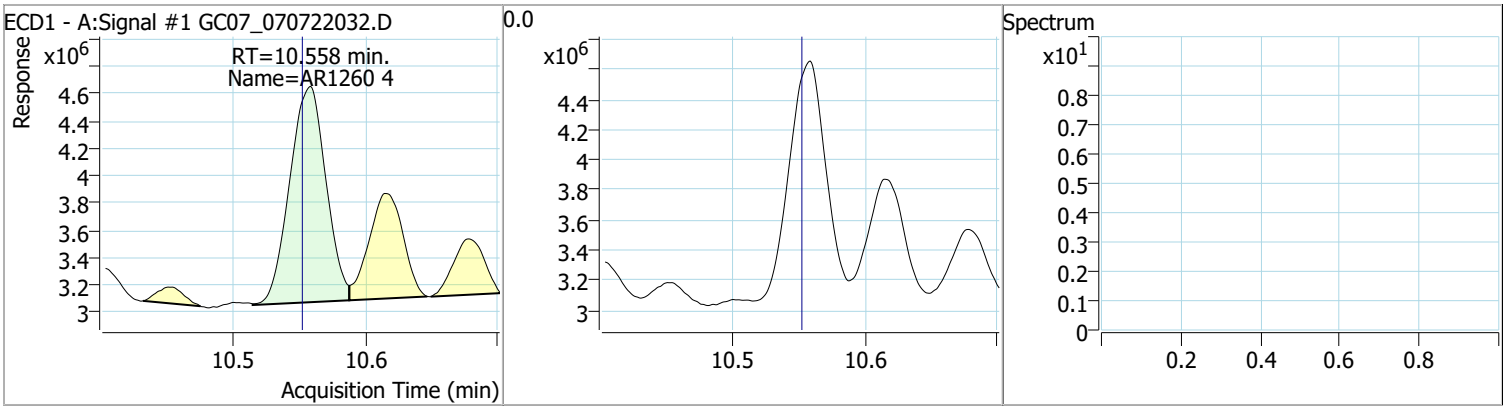
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	272.1916	10.01	0.00	4950035				



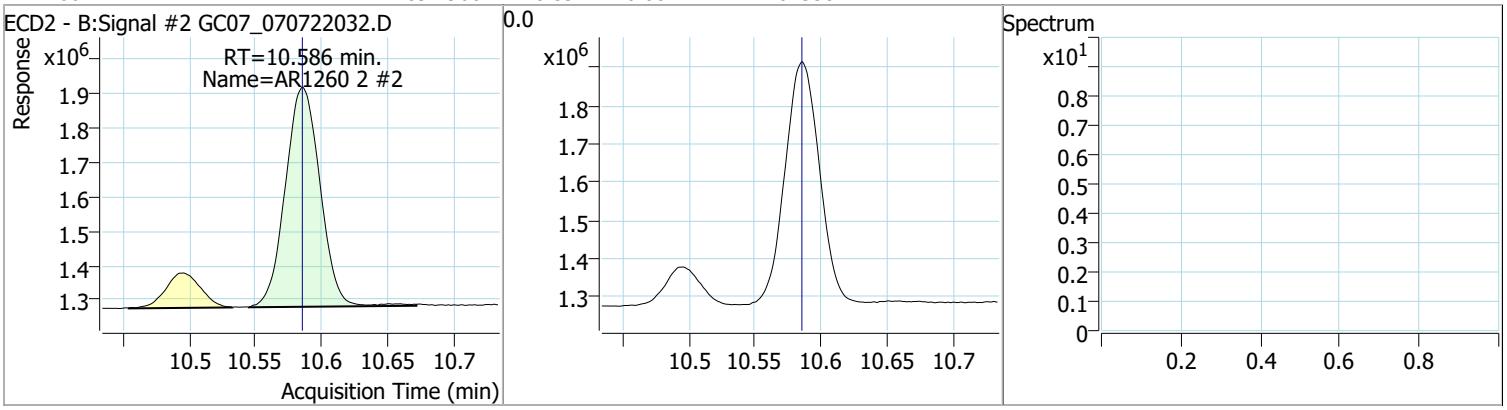
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	269.4494	10.29	0.00	974444				



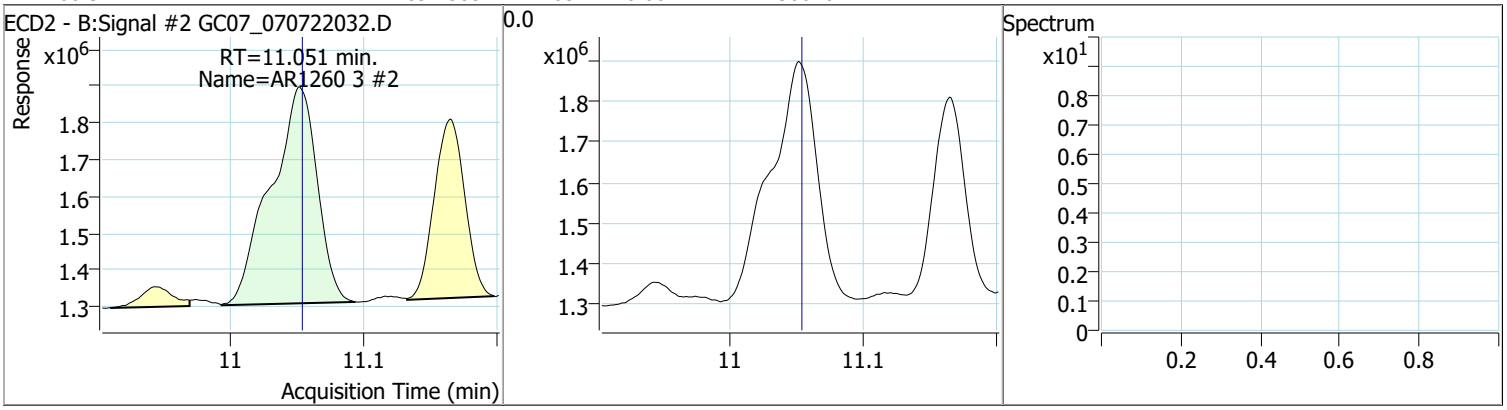
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	325.4822	10.56	0.01	3025928				



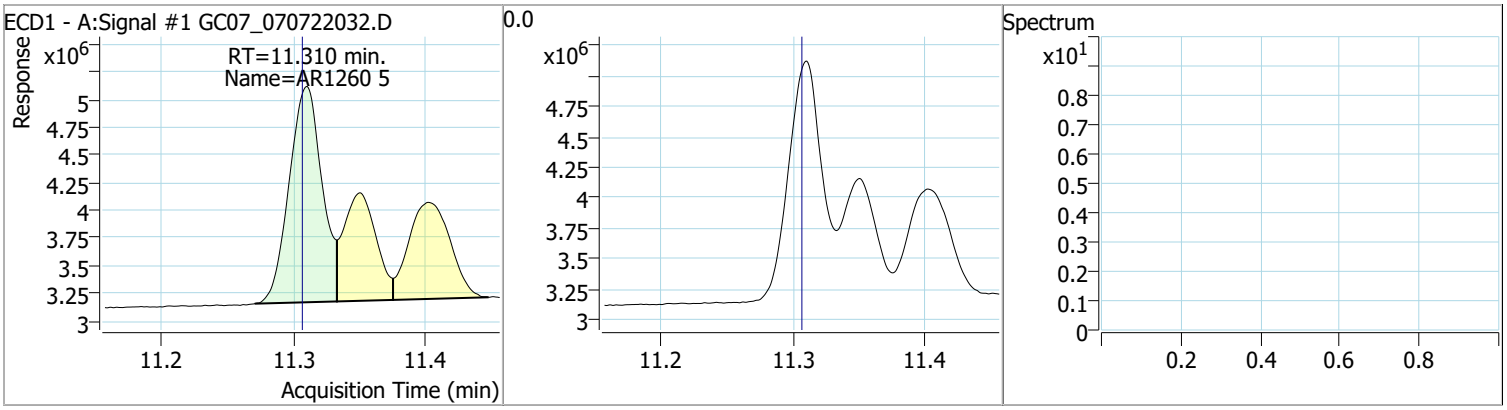
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	289.2966	10.59	0.00	1162358				



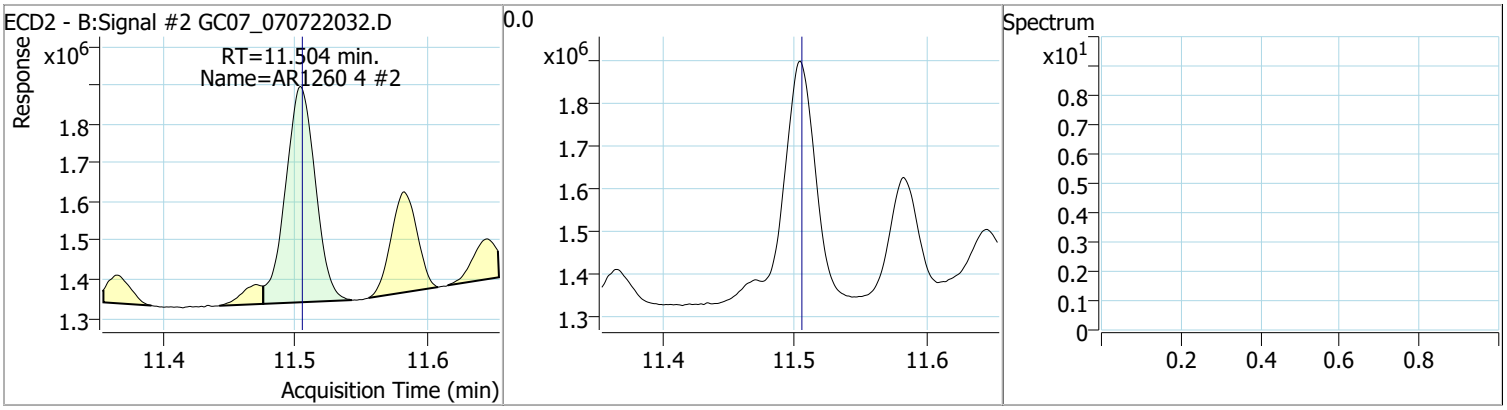
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	289.1585	11.05	0.00	1430010				



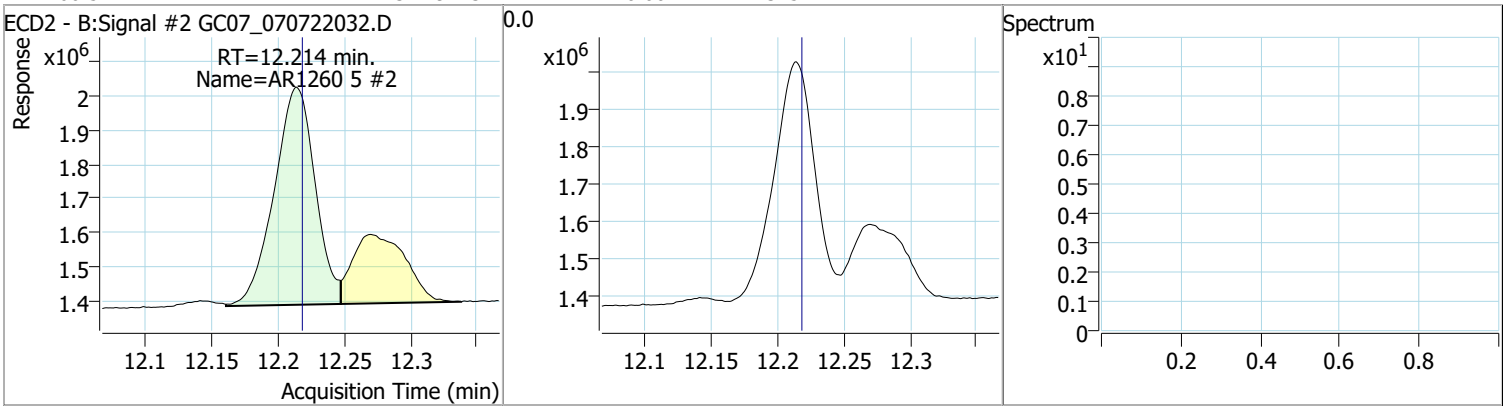
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	396.7233	11.31	0.00	3386133				



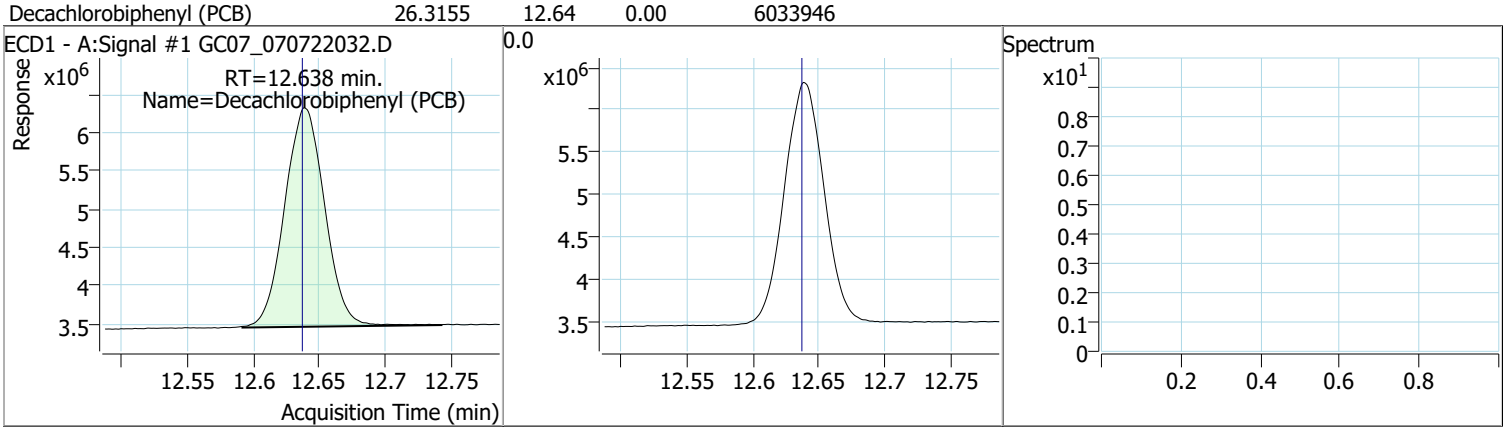
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	314.6809	11.50	0.00	873139				



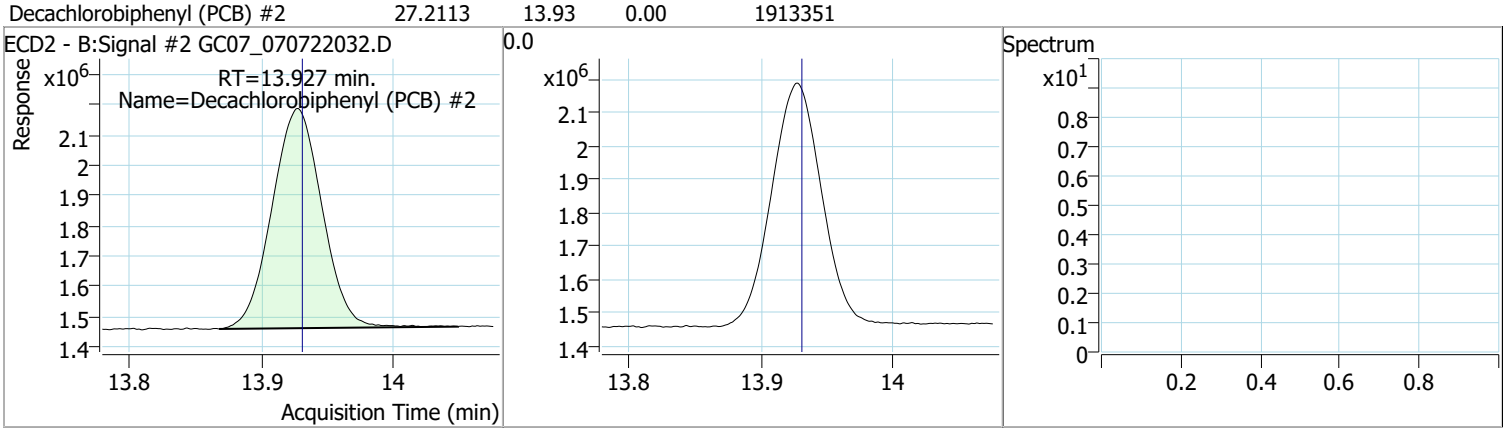
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	344.9473	12.21	0.00	1375411				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	26.3155	12.64	0.00	6033946				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	27.2113	13.93	0.00	1913351				



ENTHALPY SPIKE USER REPORT FOR 465035 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC07	Inst:	SVOA-GC07
Seqnum:	462273158006.1	Seqnum:	462273158007.1
File:	gc07_070822006	File:	gc07_070822007
IDF:	1.0	IDF:	1.0
Lab ID:	QC998415	Lab ID:	QC998416
Matrix:	Wipe	Matrix:	Wipe
Batch:	292307	Batch:	292307
Time:	08-JUL-2022 17:32	Time:	08-JUL-2022 17:50
Cal:	462252739001	Cal:	462252739001
Units:	ug/dm2		

- BS: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Aroclor-1016	5.000	381.8	3.818	A	76	286.2	2.862	A	**57***	60-140	**29***	20	u
Aroclor-1016 Peak # 1		527.5	5.275	A		294.1	2.941	A					
Aroclor-1016 Peak # 2		416.5	4.165	A		272.7	2.727	A					
Aroclor-1016 Peak # 3		296.7	2.967	A		279.1	2.791	A					
Aroclor-1016 Peak # 4		299.8	2.998	A		286.4	2.864	A					
Aroclor-1016 Peak # 5		368.8	3.688	A		298.8	2.988	A					
Aroclor-1260	5.000	371.4	3.714	A	74	335.9	3.359	A	67	60-140	10	20	u
Aroclor-1260 Peak # 1		336.0	3.360	A		308.8	3.088	A					
Aroclor-1260 Peak # 2		342.3	3.423	A		318.6	3.186	A					
Aroclor-1260 Peak # 3		351.3	3.513	A		288.3	2.883	A					
Aroclor-1260 Peak # 4		373.8	3.738	A		349.9	3.499	A					
Aroclor-1260 Peak # 5		453.7	4.537	A		414.0	4.140	A					
Surrogates													
TCMX (PCB)	0.5000	25.77	0.2577	A	52	25.14	0.2514	A	**50***	52-186			u
Decachlorobiphenyl (PCB)	0.5000	29.23	0.2923	A	**58***	27.07	0.2707	A	**54***	60-140			u

ISTD (CCV gc07_070822004)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1196701	959314	-19.84
1-bromo-2-nitrobenzene (PCB)	A	4359760	3634738	-16.63

ISTD (CCV gc07_070822004)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.30	4.30	0.00

ISTD (CCV gc07_070822004)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1196701	1119283	-6.47
1-bromo-2-nitrobenzene (PCB)	A	4359760	4185144	-4.01

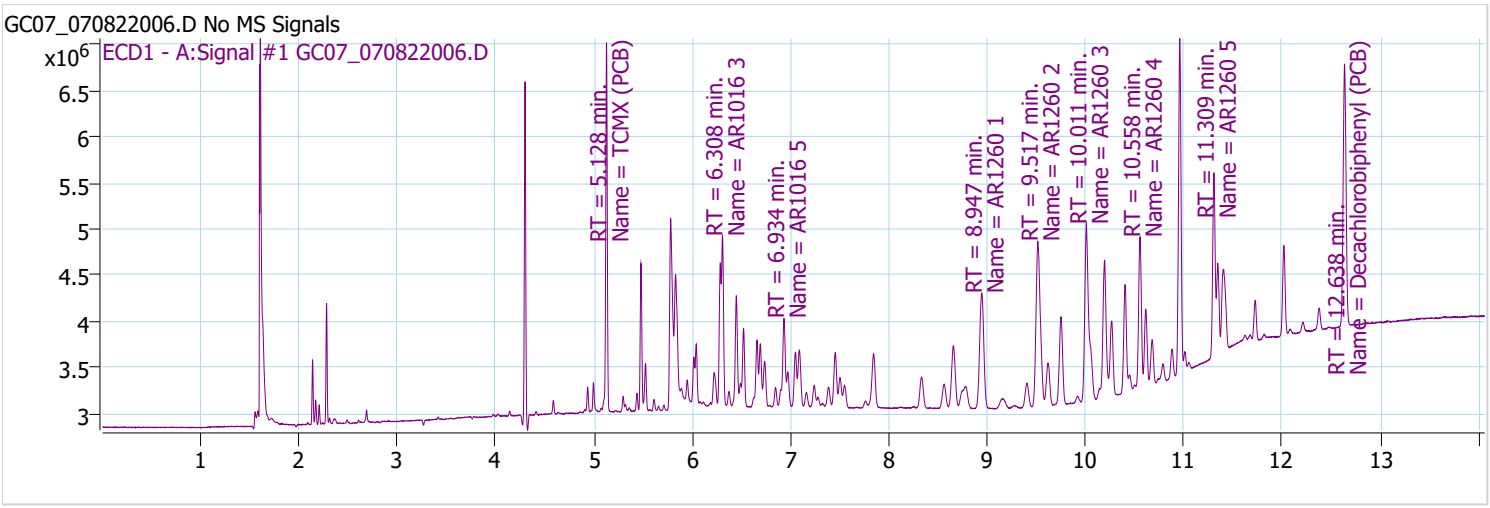
ISTD (CCV gc07_070822004)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.30	4.30	0.00

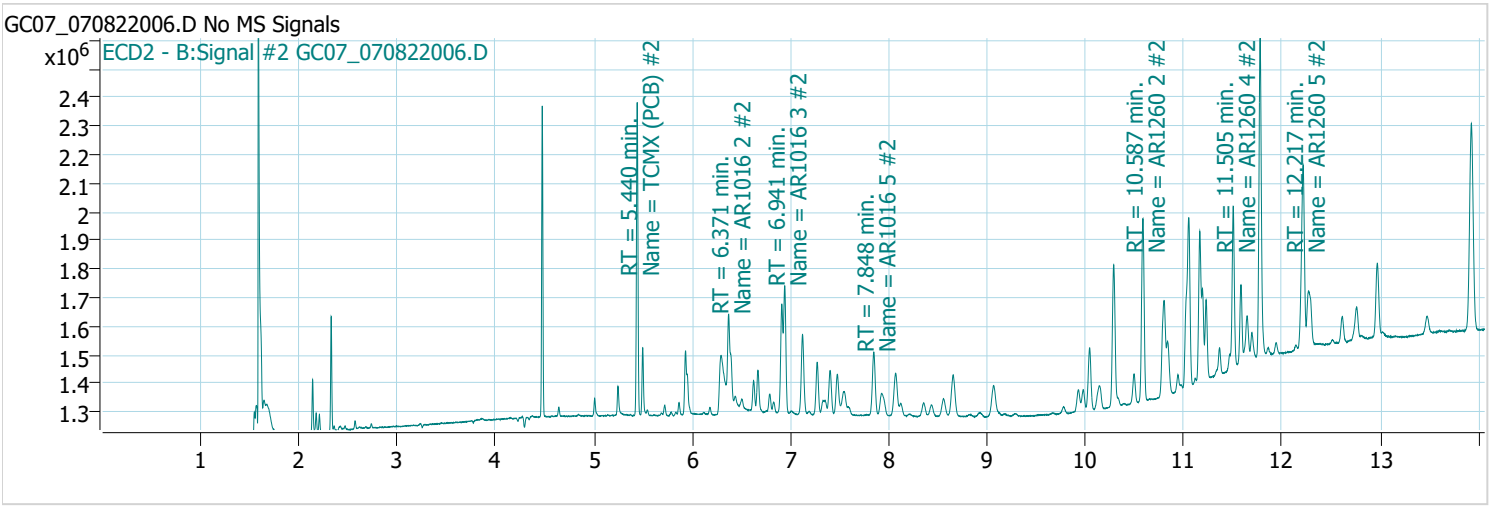
Analyst: TRN 07/08/22

Reviewer: LW 07/11/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_070822006.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/8/2022 5:32:46 PM
Sample Name	QC998415, 292307, 1	Instrument	SVOA-GC07
Vial	1	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_6.m	Comment	WIPE/1S-20ML//RR
Tune File	ATUNE.U	Tune Date	
Batch Name	070822PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



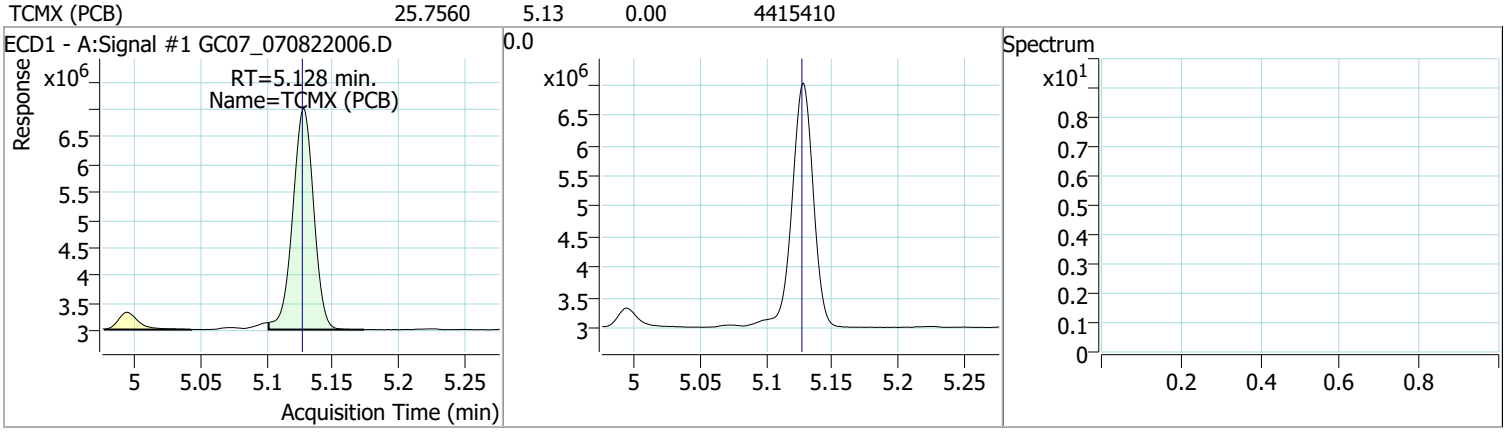


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.299	0.0	3634738.490	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.474	0.0	959314.321	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.128	0.0	4415410.321	25.7560	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 128.78%			
S TCMX (PCB) #2	5.440	0.0	1189633.047	27.3251	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 136.63%			
S Decachlorobiphenyl (PCB)	12.638	0.0	5932477.710	29.2181	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 146.09%			
S Decachlorobiphenyl (PCB) #2	13.928	0.0	1853965.754	31.3851	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 156.93%		*	
Target Compounds							QValue

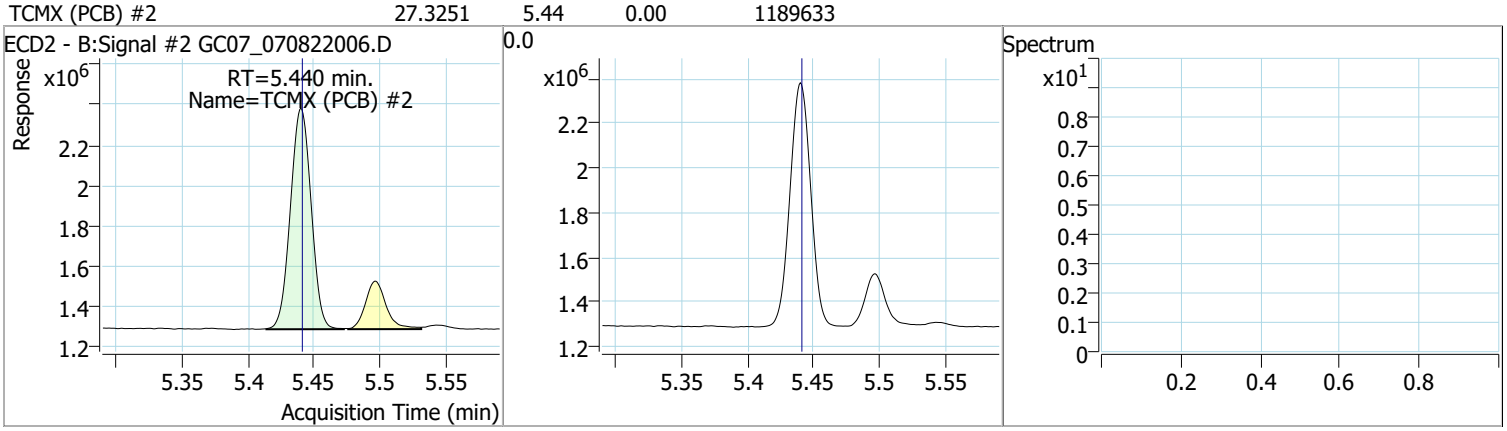
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.478	0.0	1838414.957	527.2145	ng/ml	100
T AR1016 2	5.830	0.0	3145757.762	416.2412	ng/ml	100
T AR1016 1 #2	5.932	0.0	446412.145	462.0874	ng/ml	100
T AR1016 3	6.308	0.0	2595289.289	296.5528	ng/ml	100
T AR1016 2 #2	6.371	0.0	805895.378	383.0908	ng/ml	100
T AR1016 4	6.448	0.0	1885562.082	299.6134	ng/ml	100
T AR1016 5	6.934	0.0	1932086.931	368.5698	ng/ml	100
T AR1016 3 #2	6.941	0.0	739955.917	306.6469	ng/ml	100
T AR1016 4 #2	7.123	0.0	524619.442	313.2494	ng/ml	100
T AR1016 5 #2	7.848	0.0	455974.469	325.9283	ng/ml	100
T AR1260 1	8.947	0.0	3717552.531	335.8205	ng/ml	100
T AR1260 2	9.517	0.0	5436220.896	342.0905	ng/ml	100
T AR1260 3	10.011	0.0	5653980.359	351.0967	ng/ml	100
T AR1260 1 #2	10.289	0.0	1010928.770	332.7426	ng/ml	100
T AR1260 4	10.558	0.0	3075348.696	373.5674	ng/ml	100
T AR1260 2 #2	10.587	0.0	1165132.858	345.1805	ng/ml	100
T AR1260 3 #2	11.053	0.0	1464711.105	352.5465	ng/ml	100
T AR1260 5	11.309	0.0	3426963.404	453.4184	ng/ml	100
T AR1260 4 #2	11.505	0.0	878949.542	377.0671	ng/ml	100
T AR1260 5 #2	12.217	0.0	1360300.002	406.0904	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

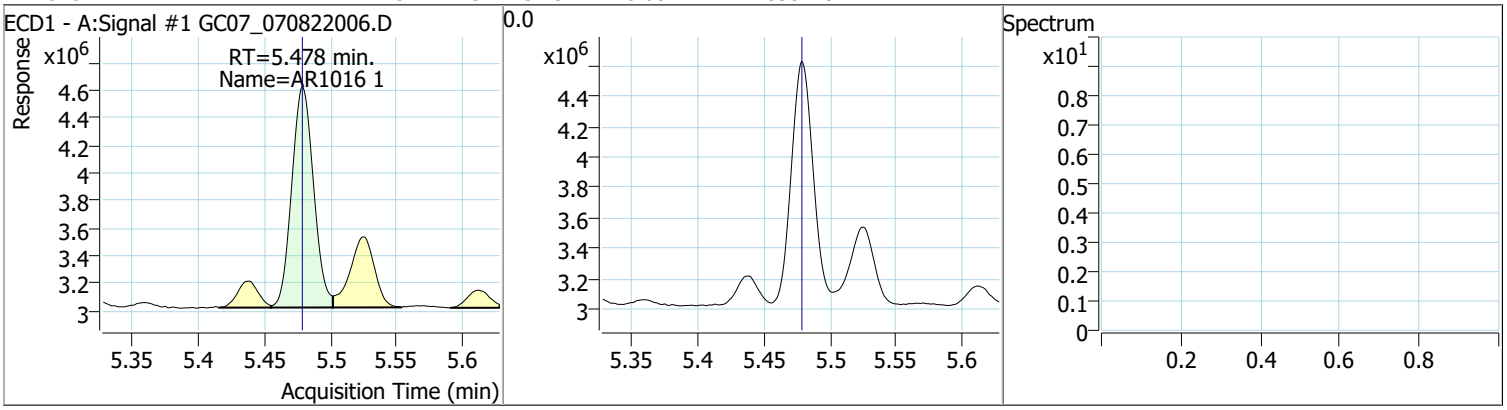
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	25.7560	5.13	0.00	4415410				



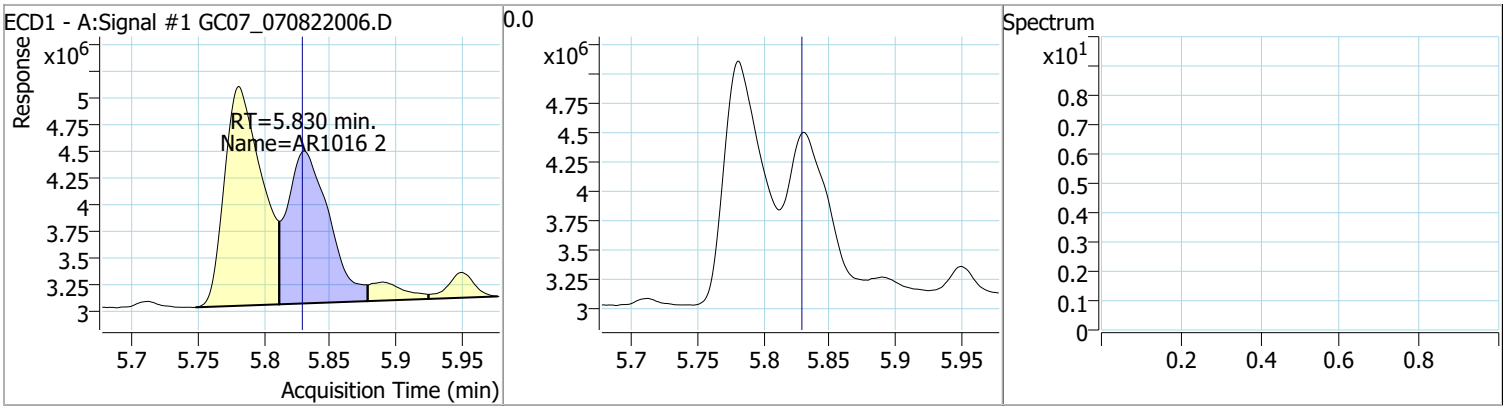
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	27.3251	5.44	0.00	1189633				



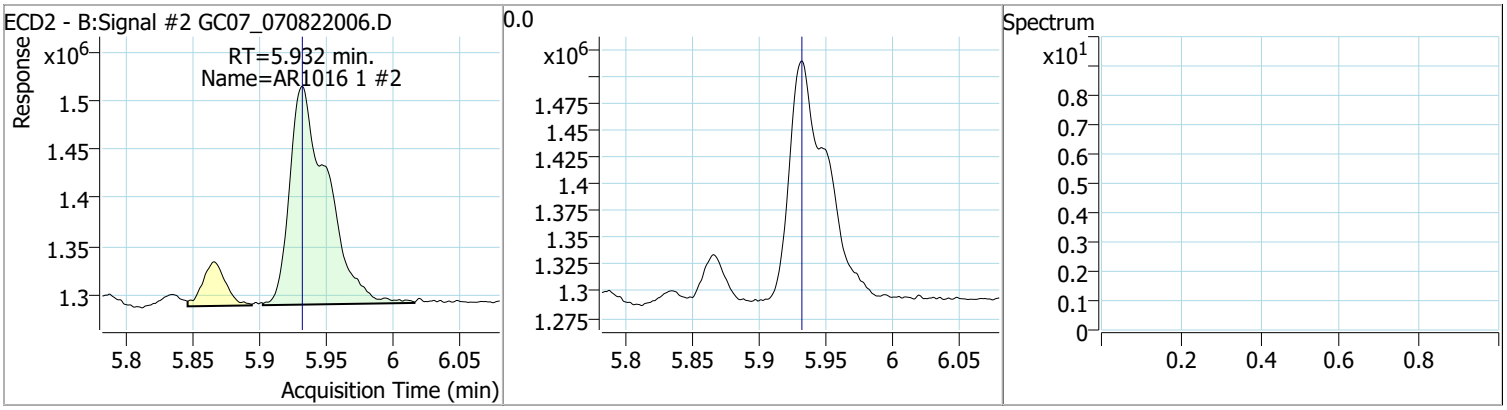
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	527.2145	5.48	0.00	1838415				



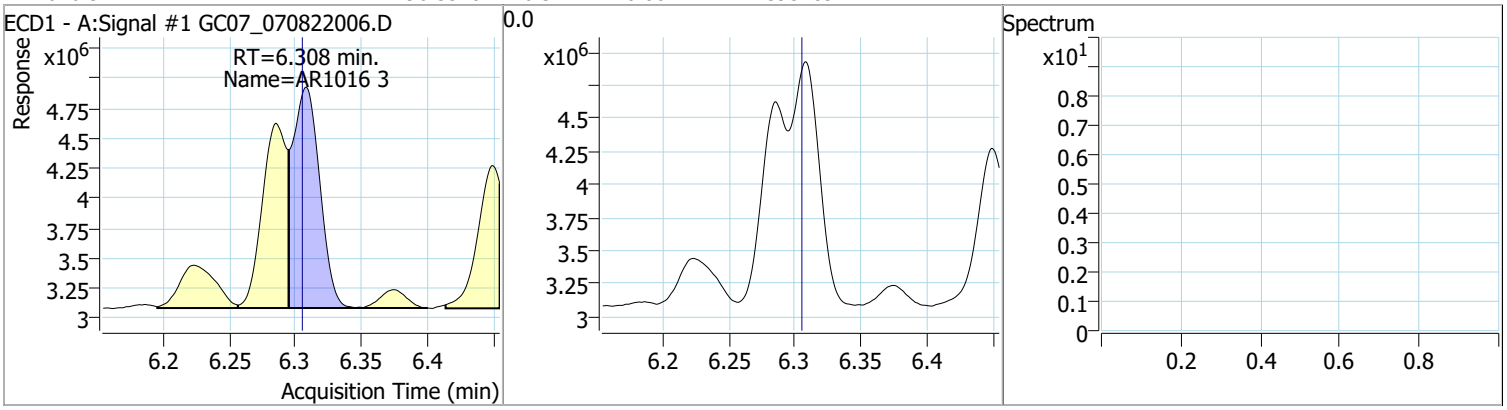
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	416.2412	5.83	0.00	3145758				



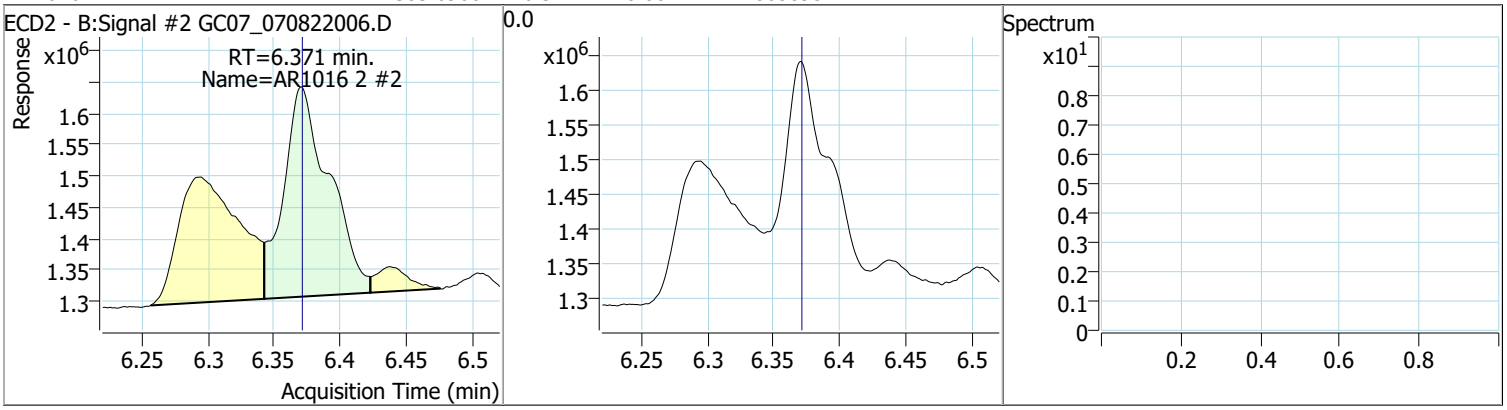
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	462.0874	5.93	0.00	446412				



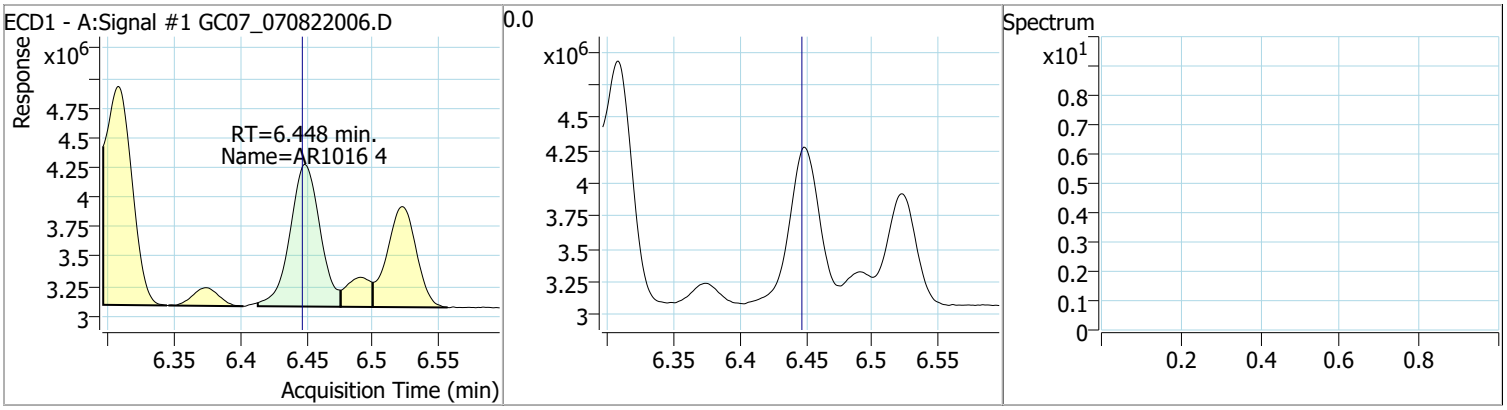
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	296.5528	6.31	0.00	2595289				



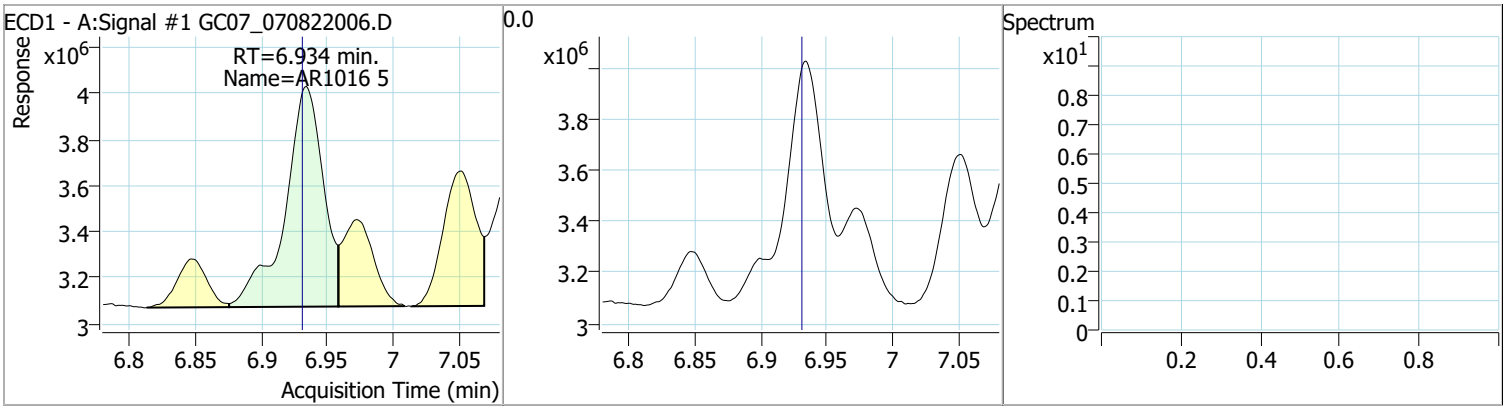
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	383.0908	6.37	0.00	805895				



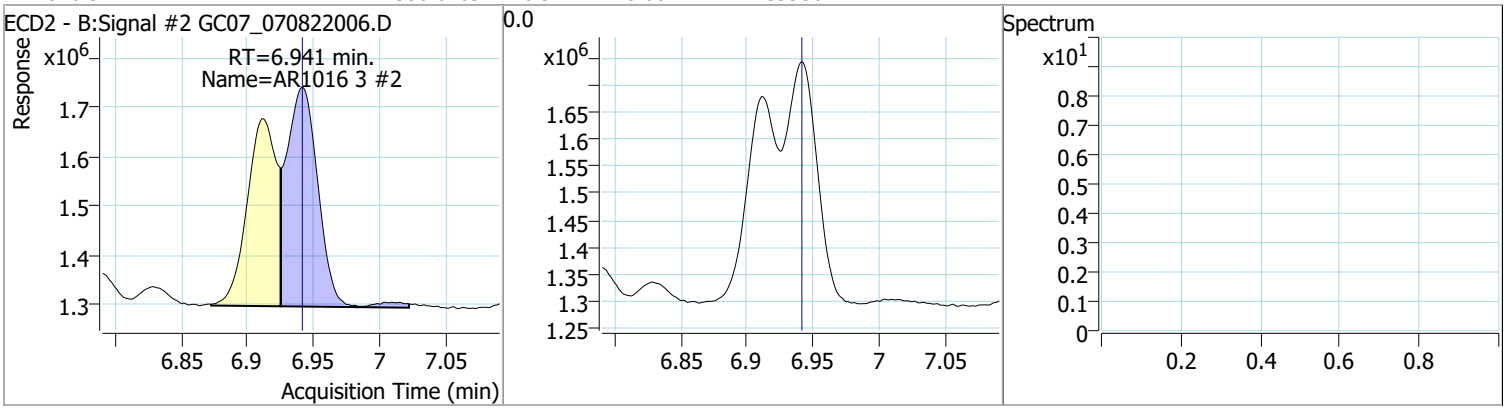
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	299.6134	6.45	0.00	1885562				



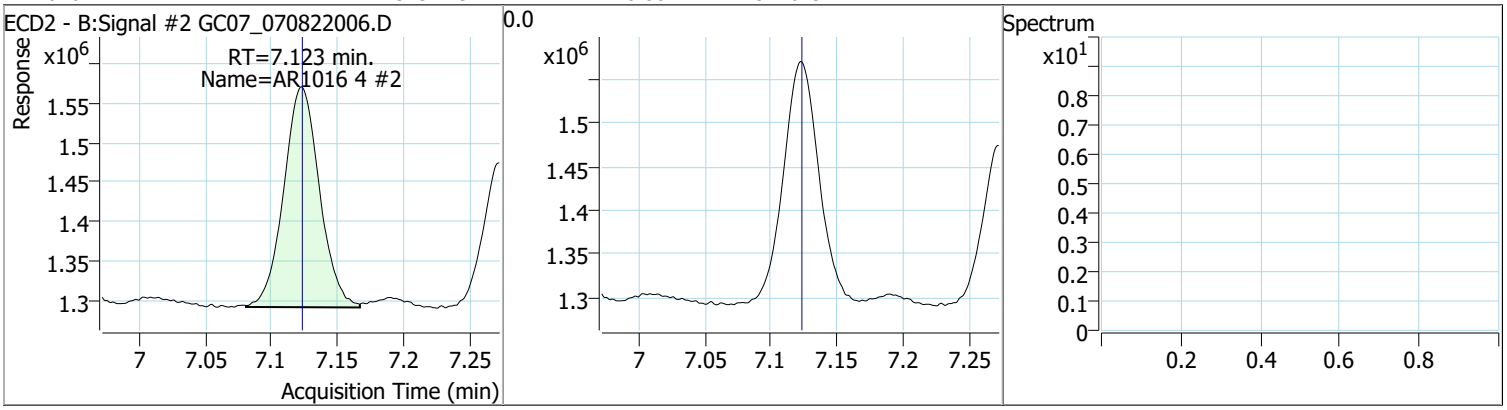
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	368.5698	6.93	0.00	1932087				



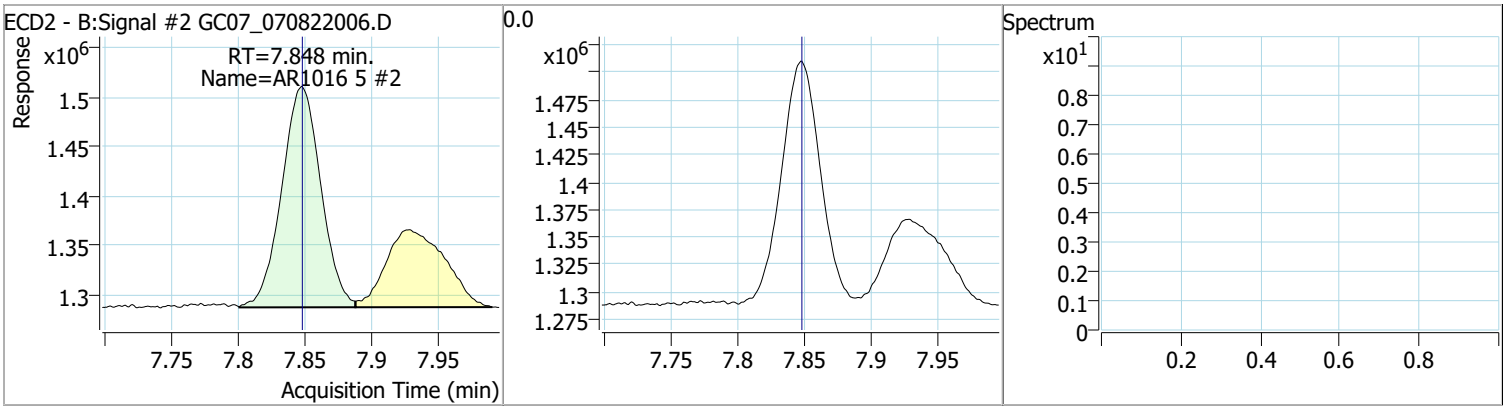
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	306.6469	6.94	0.00	739956				



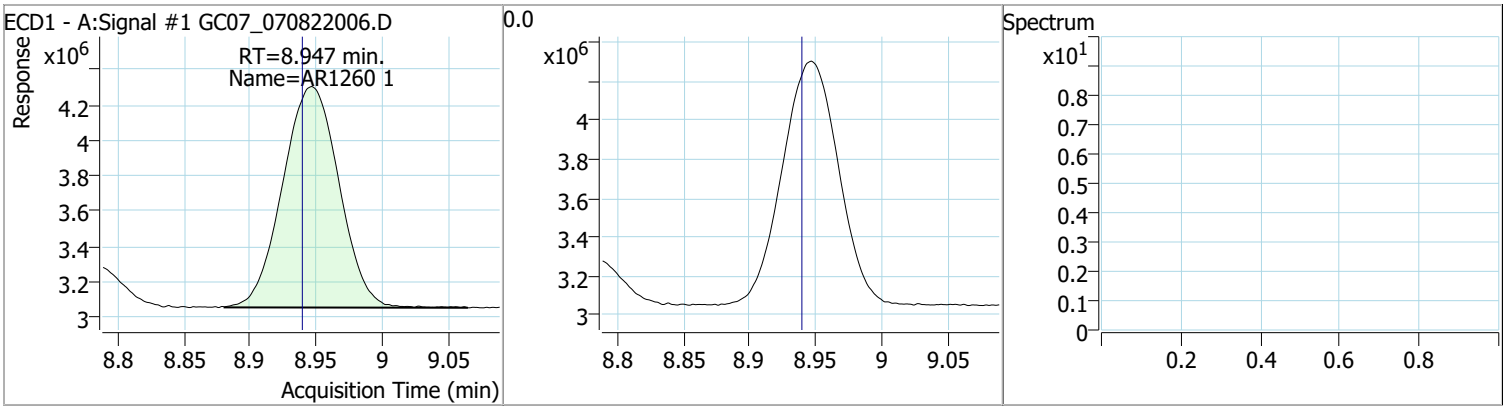
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	313.2494	7.12	0.00	524619				



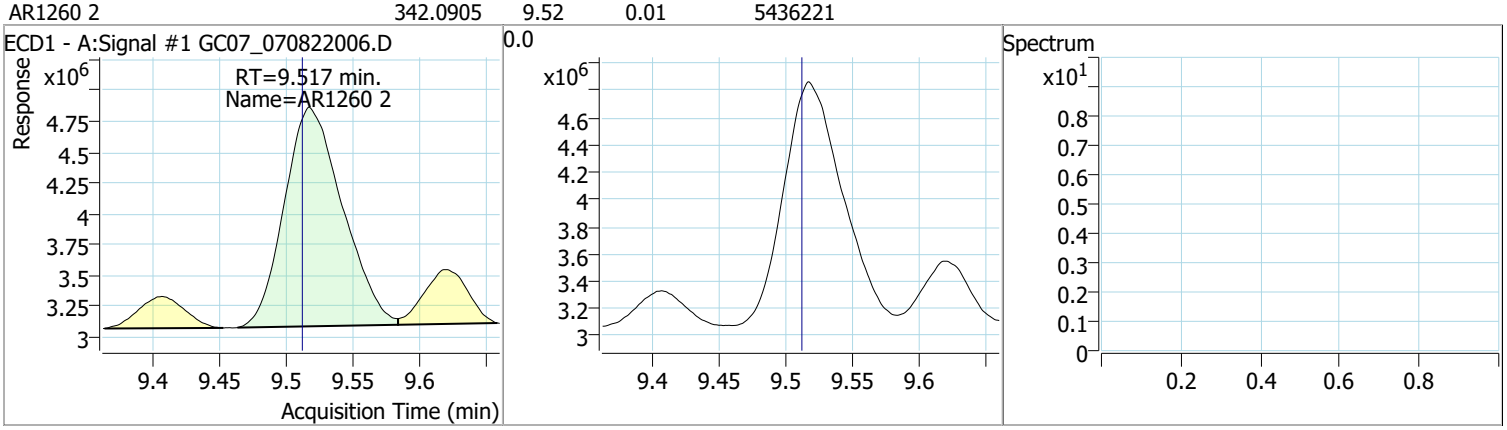
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	325.9283	7.85	0.00	455974				



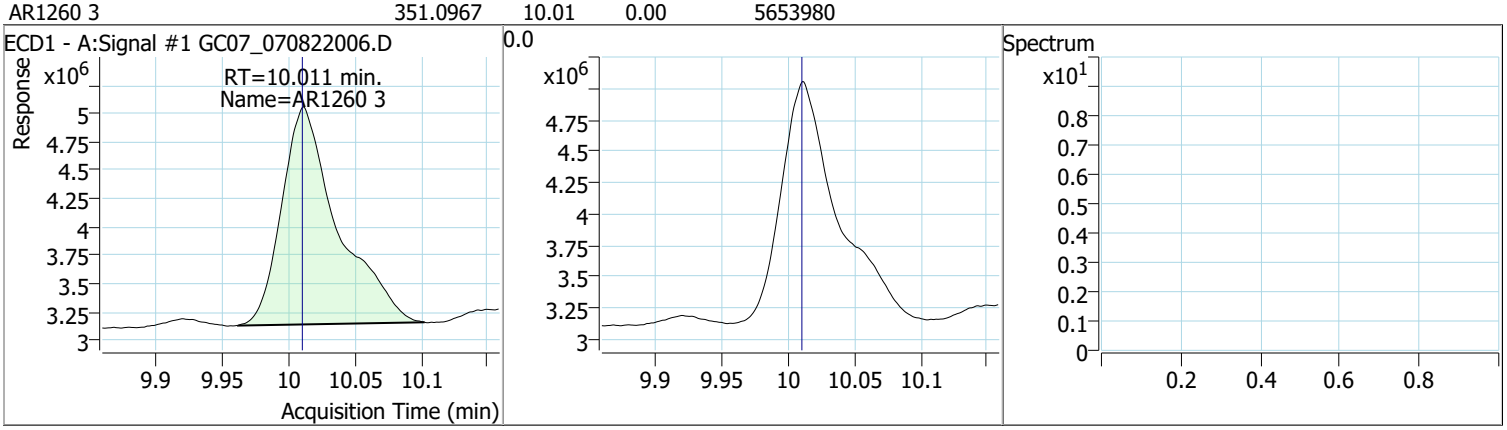
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	335.8205	8.95	0.01	3717553				



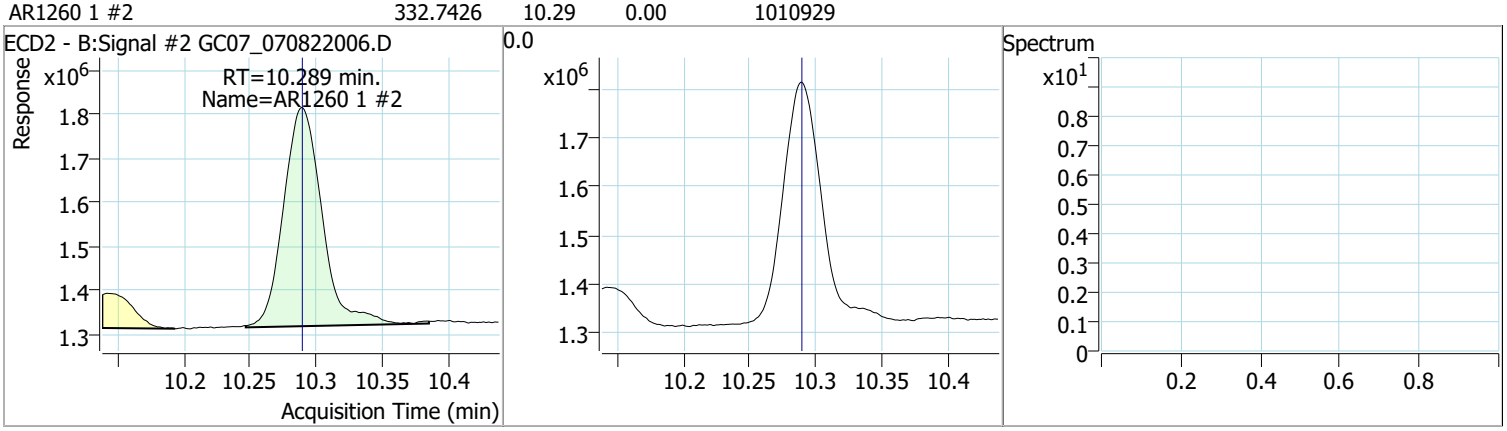
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	342.0905	9.52	0.01	5436221				



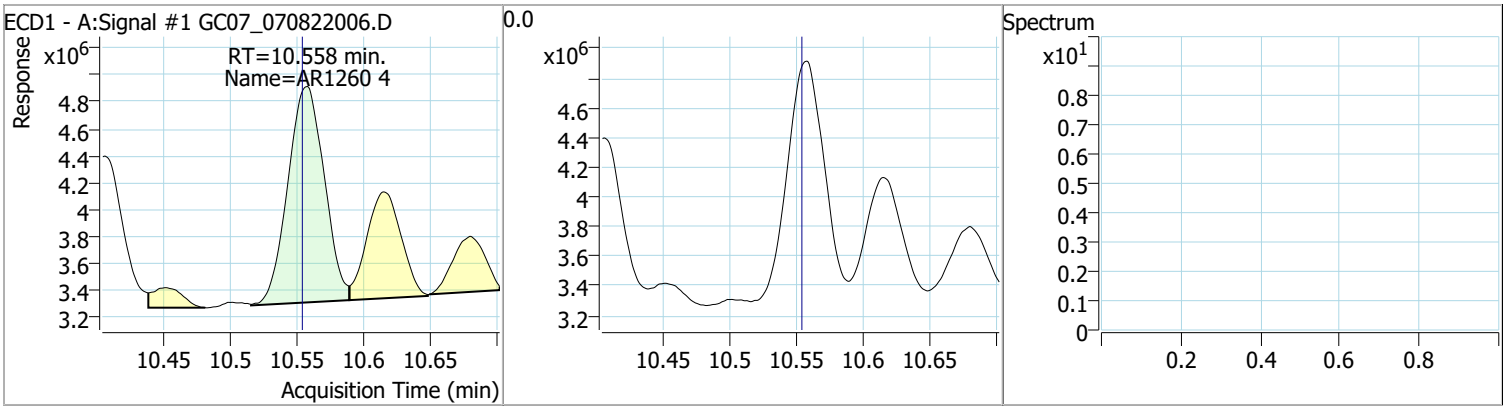
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	351.0967	10.01	0.00	5653980				



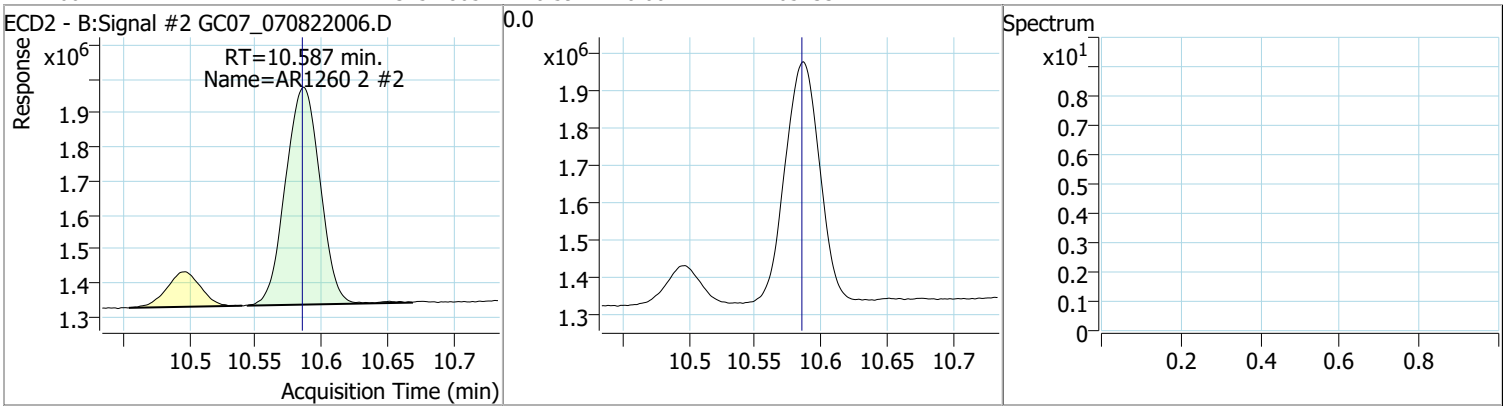
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	332.7426	10.29	0.00	1010929				



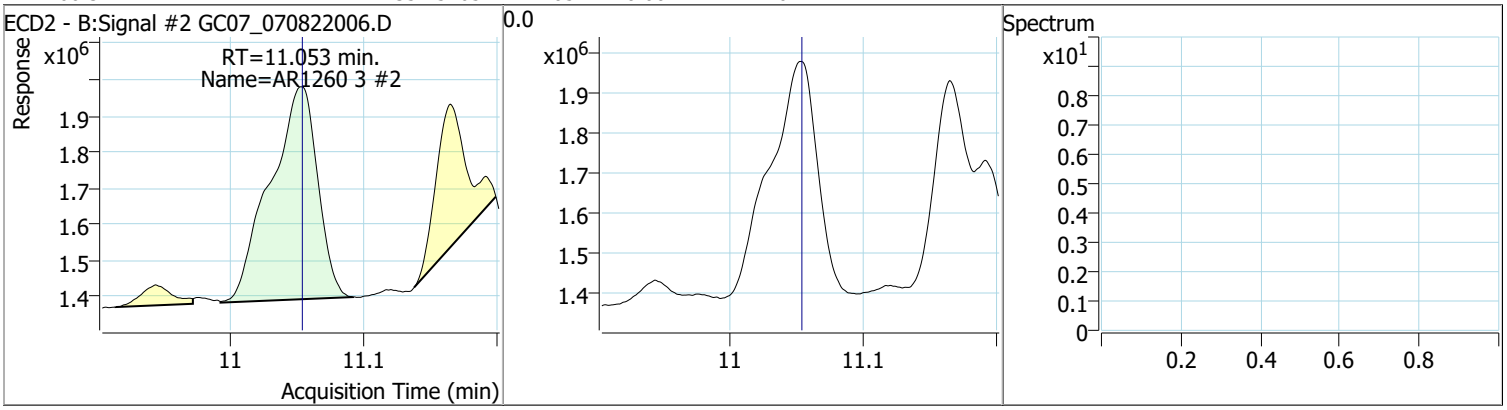
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	373.5674	10.56	0.01	3075349				



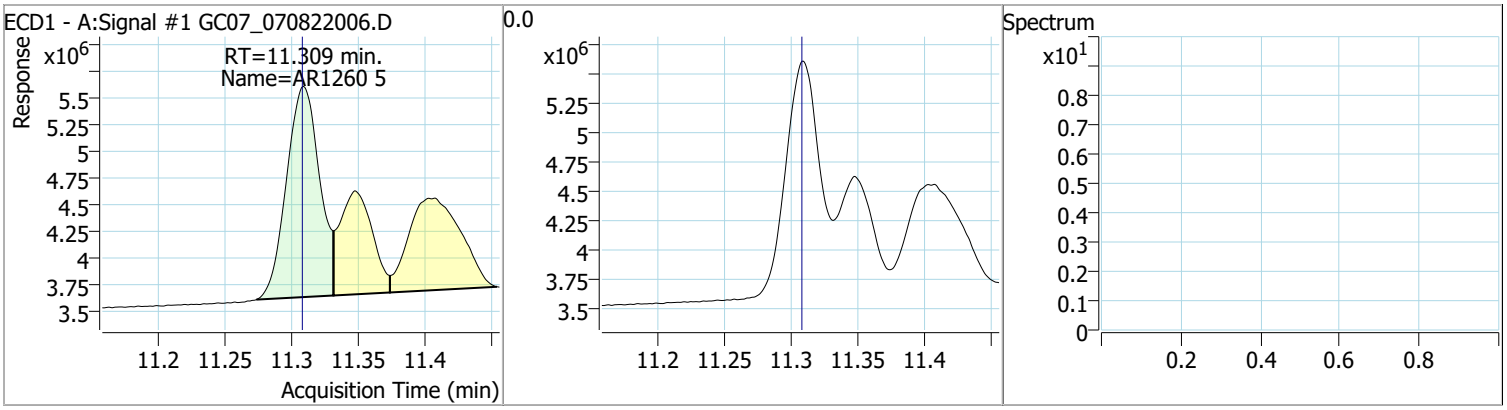
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	345.1805	10.59	0.00	1165133				



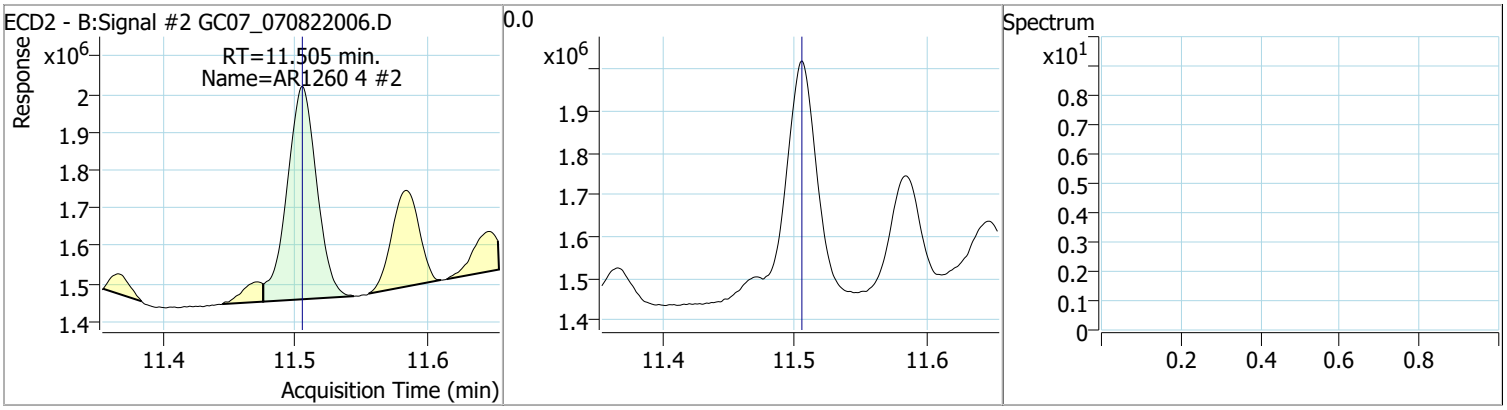
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	352.5465	11.05	0.00	1464711				



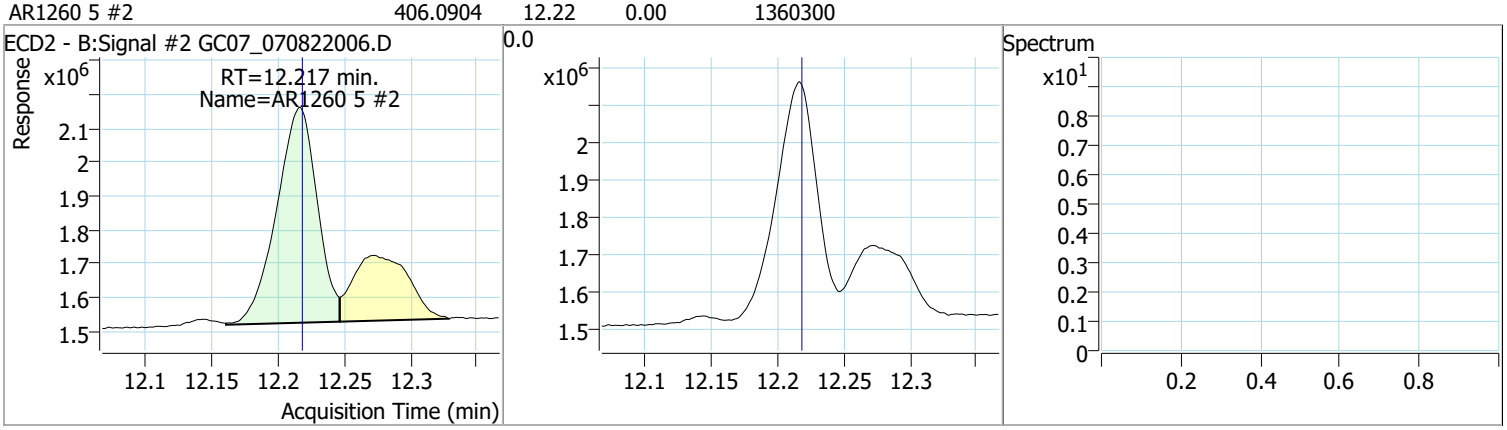
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	453.4184	11.31	0.00	3426963				



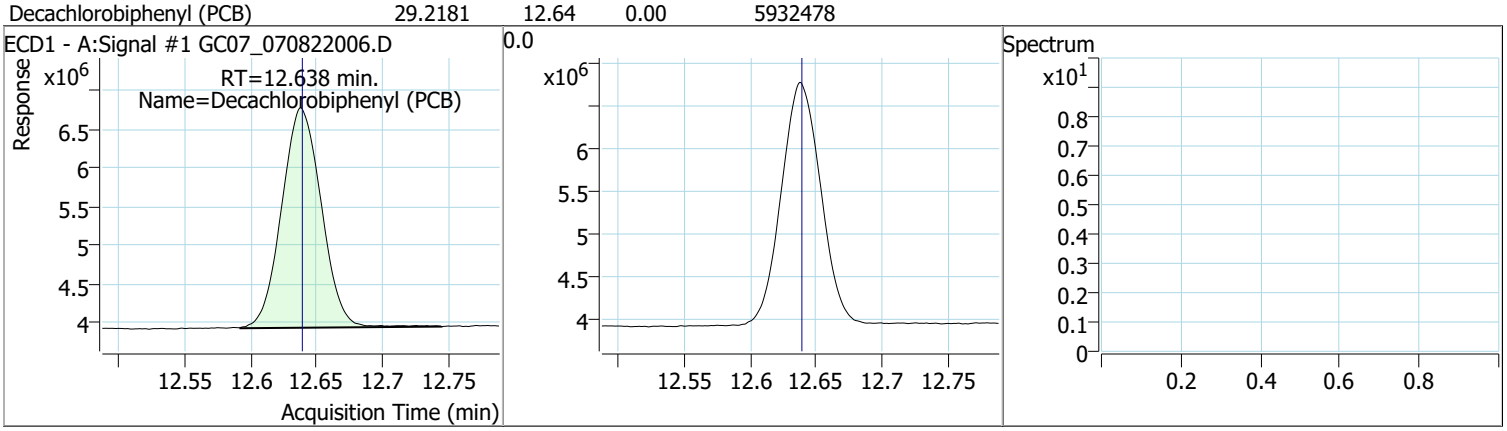
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	377.0671	11.51	0.00	878950				



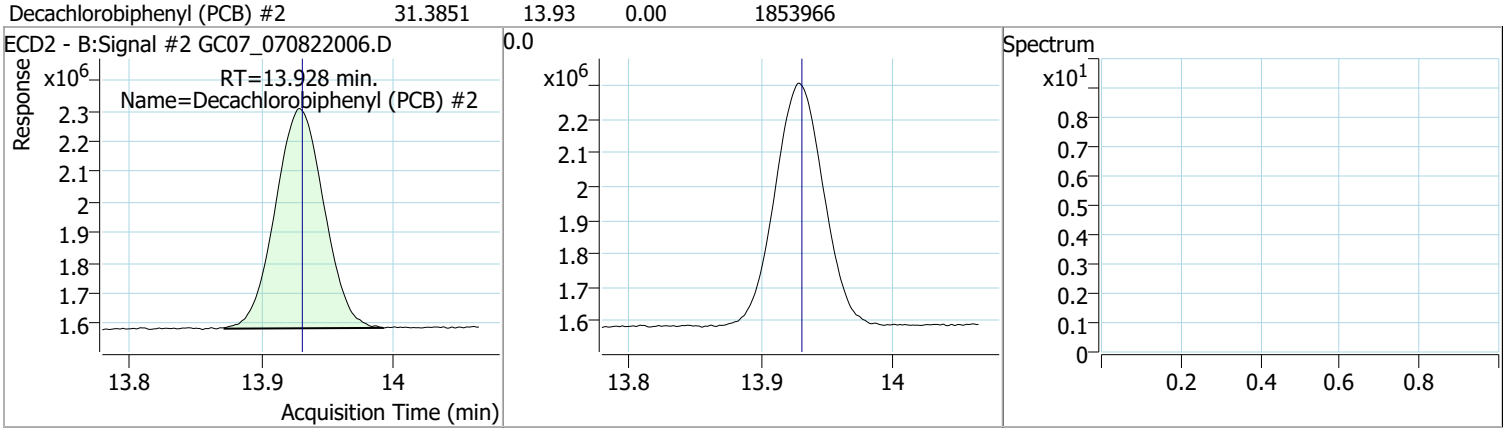
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	406.0904	12.22	0.00	1360300				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	29.2181	12.64	0.00	5932478				

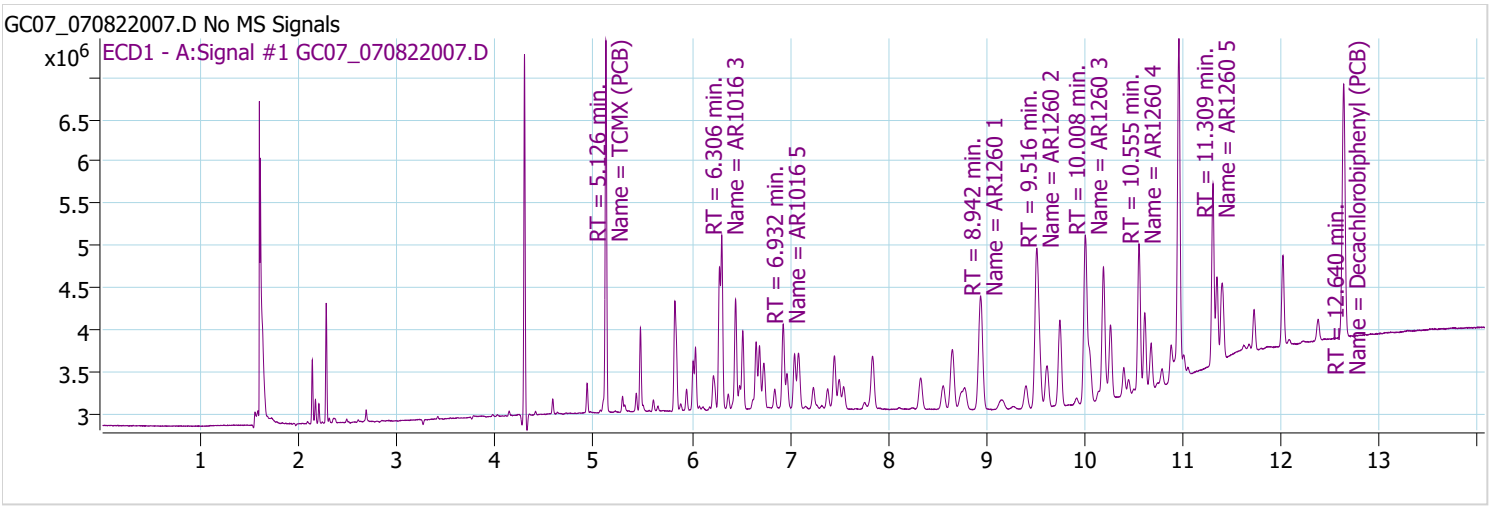


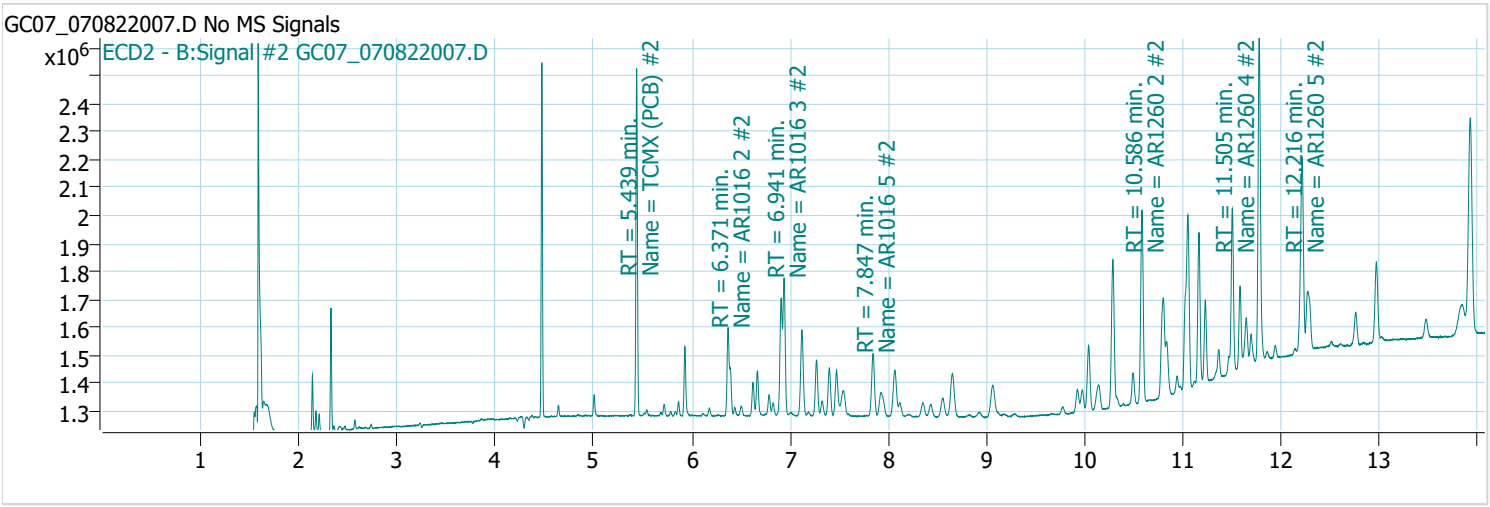
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	31.3851	13.93	0.00	1853966				



Quantitation Results Report (Not Reviewed)

Data File	GC07_070822007.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/8/2022 5:50:21 PM
Sample Name	QC998416, 292307, 1	Instrument	SVOA-GC07
Vial	2	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_6.m	Comment	WIPE/1S-20ML//RR
Tune File	ATUNE.U	Tune Date	
Batch Name	070822PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



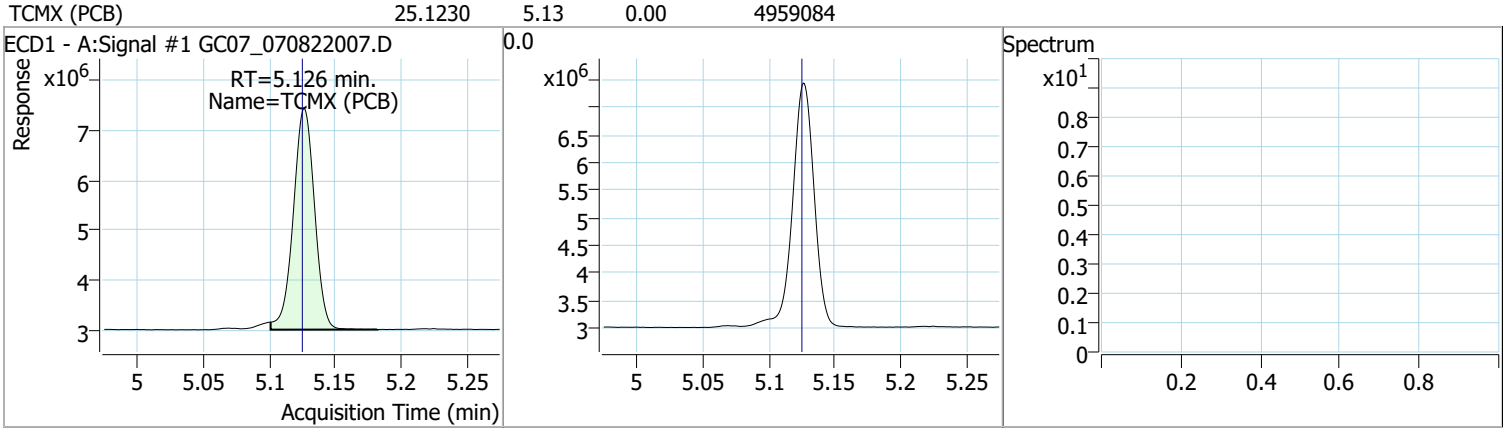


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.297	0.0	4185144.090	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.473	0.0	1119282.714	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.126	0.0	4959084.341	25.1230	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 125.61%		
S TCMX (PCB) #2	5.439	0.0	1341056.202	26.4008	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 132.00%		
S Decachlorobiphenyl (PCB)	12.640	0.0	6325390.656	27.0562	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 135.28%		
S Decachlorobiphenyl (PCB) #2	13.928	0.0	2025220.619	29.3843	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 146.92%		
Target Compounds						QValue

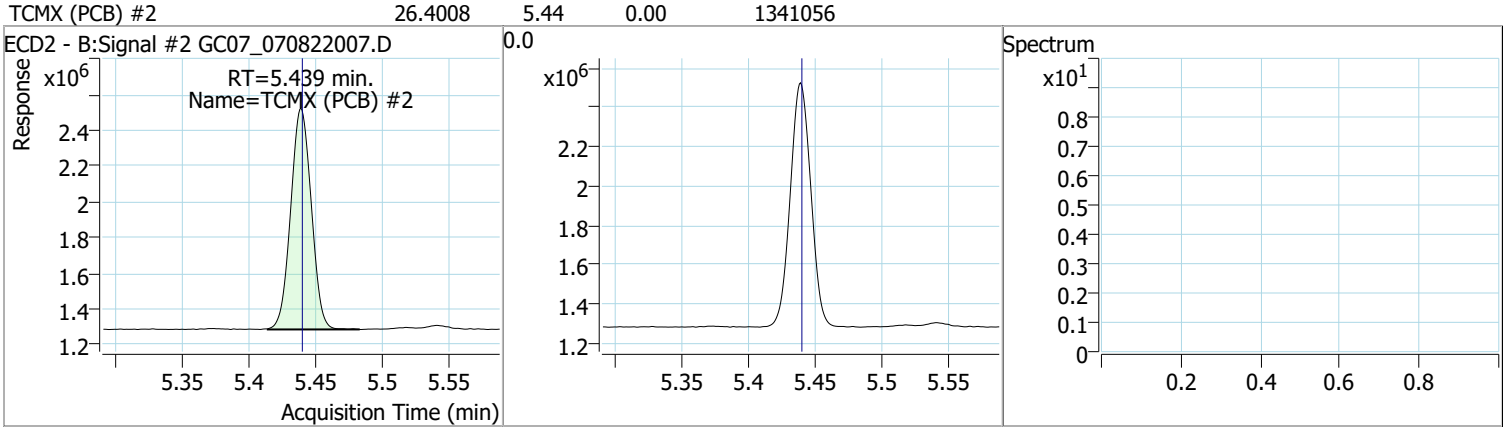
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.478	0.0	1180237.259	293.9516	ng/ml	100
T AR1016 2	5.828	0.0	2372085.723	272.5919	ng/ml	100
T AR1016 1 #2	5.930	0.0	314364.180	278.8960	ng/ml	100
T AR1016 3	6.306	0.0	2810576.628	278.9167	ng/ml	100
T AR1016 2 #2	6.371	0.0	639942.870	260.7266	ng/ml	100
T AR1016 4	6.447	0.0	2073973.548	286.2110	ng/ml	100
T AR1016 5	6.932	0.0	1802681.163	298.6585	ng/ml	100
T AR1016 3 #2	6.941	0.0	795104.179	282.4086	ng/ml	100
T AR1016 4 #2	7.123	0.0	576996.386	295.2841	ng/ml	100
T AR1016 5 #2	7.847	0.0	458060.728	280.6246	ng/ml	100
T AR1260 1	8.942	0.0	3934493.797	308.6752	ng/ml	100
T AR1260 2	9.516	0.0	5827245.501	318.4711	ng/ml	100
T AR1260 3	10.008	0.0	5342952.751	288.1486	ng/ml	100
T AR1260 1 #2	10.289	0.0	1078080.467	304.1306	ng/ml	100
T AR1260 4	10.555	0.0	3314819.111	349.7012	ng/ml	100
T AR1260 2 #2	10.586	0.0	1247152.036	316.6732	ng/ml	100
T AR1260 3 #2	11.053	0.0	1571864.185	324.2654	ng/ml	100
T AR1260 5	11.309	0.0	3600330.350	413.7089	ng/ml	100
T AR1260 4 #2	11.505	0.0	975041.828	358.5081	ng/ml	100
T AR1260 5 #2	12.216	0.0	1475124.272	377.4311	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

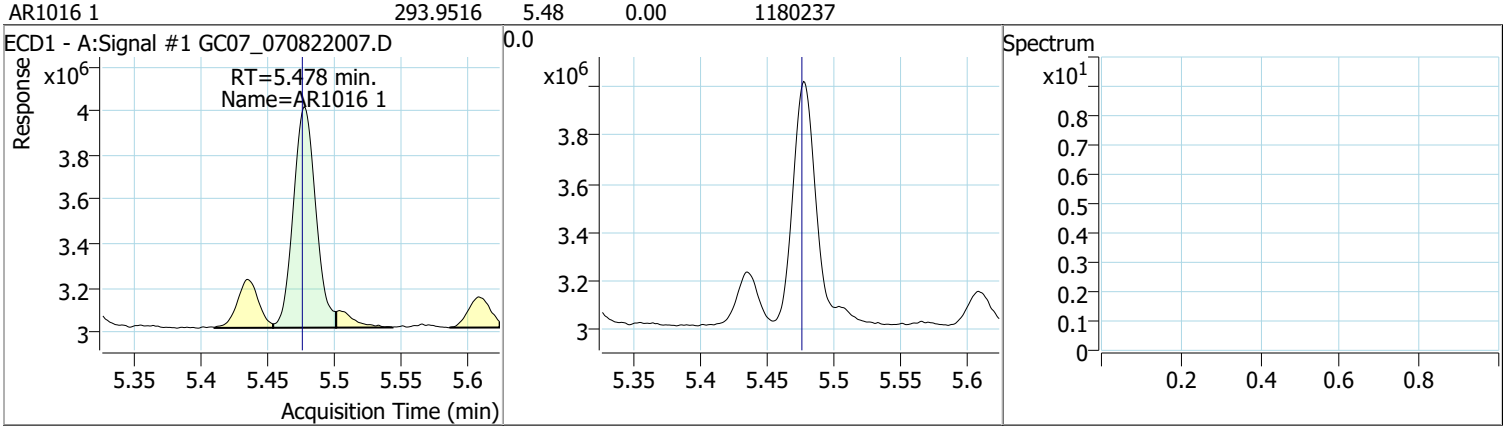
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	25.1230	5.13	0.00	4959084				



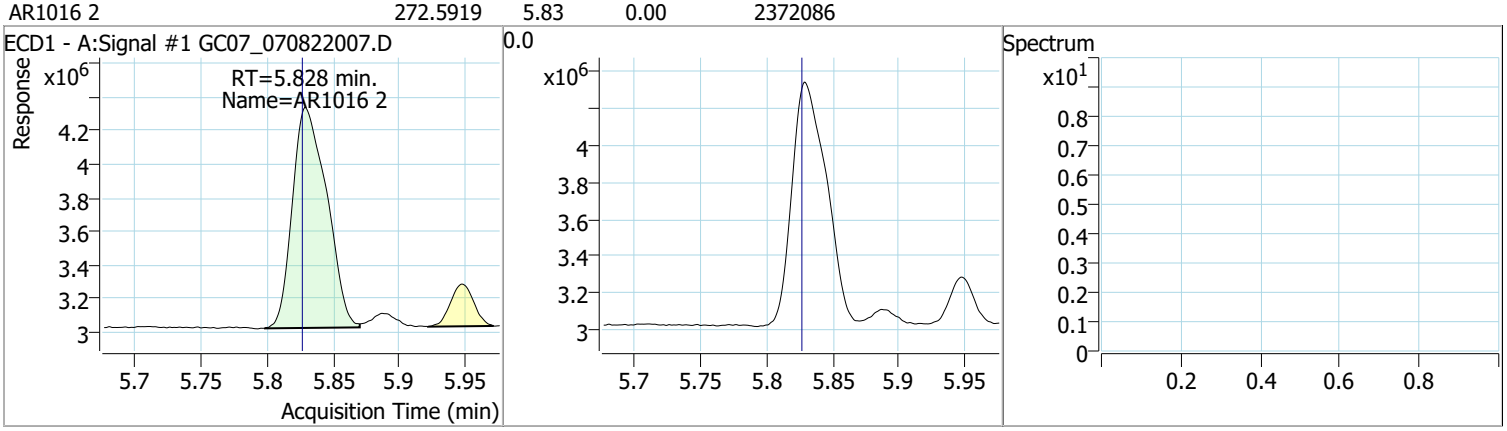
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	26.4008	5.44	0.00	1341056				



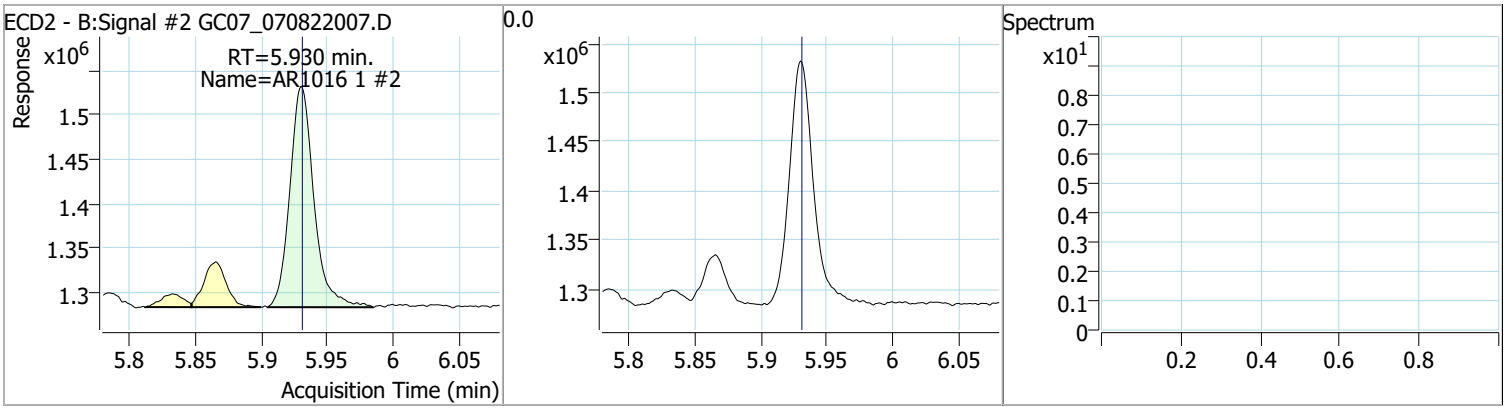
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	293.9516	5.48	0.00	1180237				



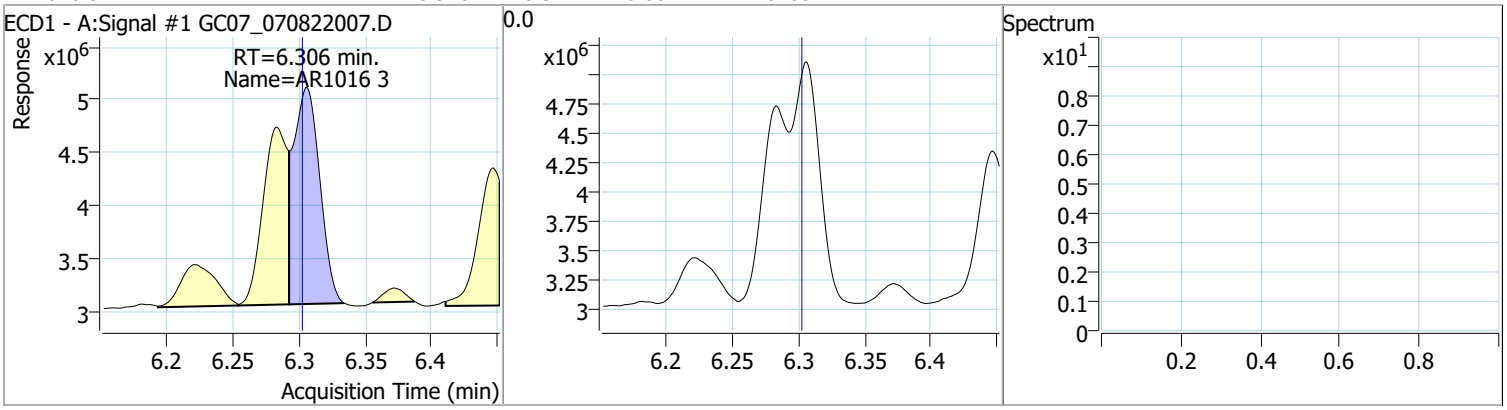
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	272.5919	5.83	0.00	2372086				



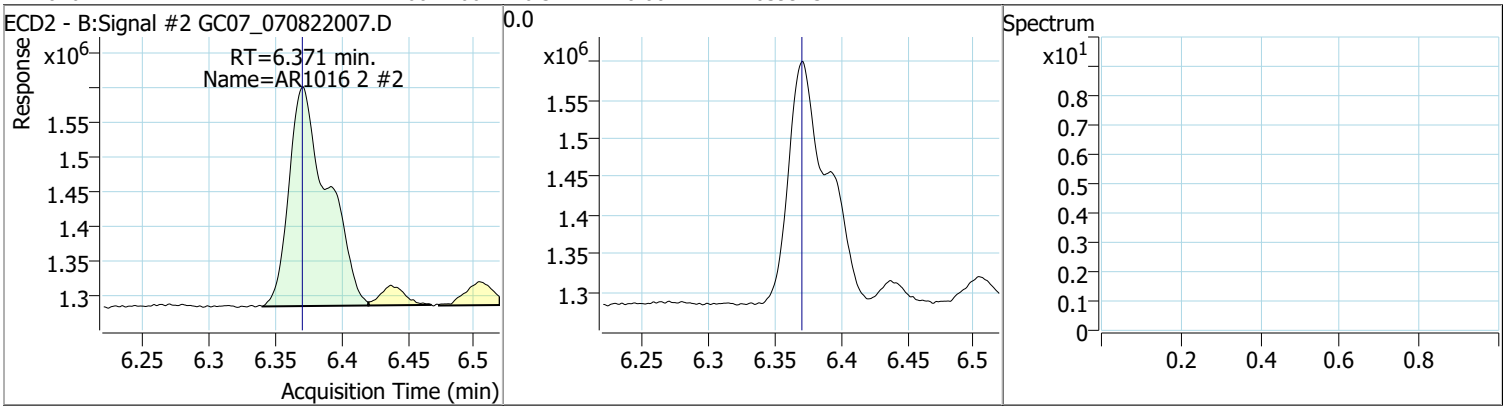
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	278.8960	5.93	0.00	314364				



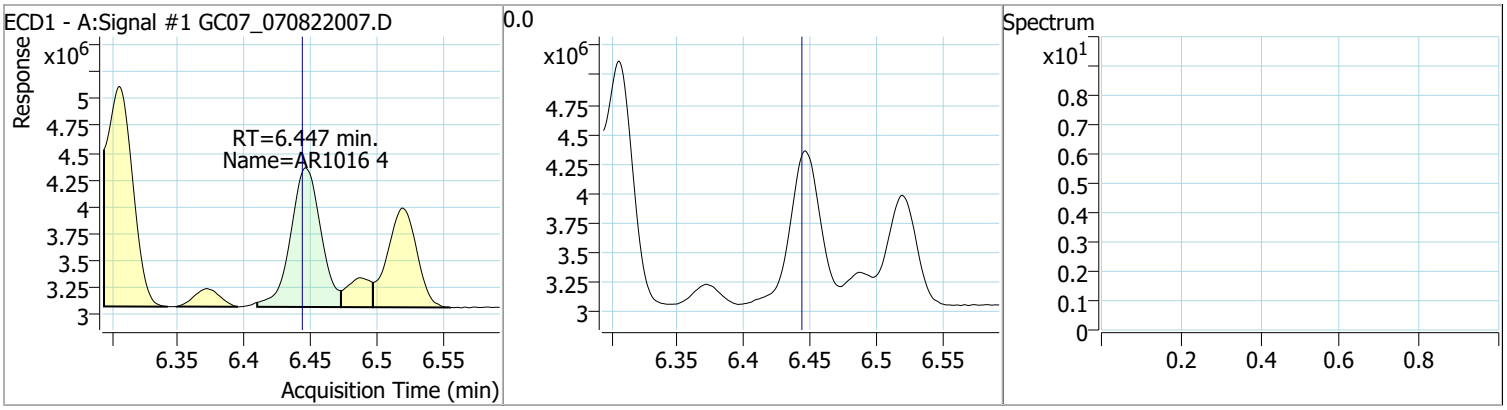
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	278.9167	6.31	0.00	2810577				



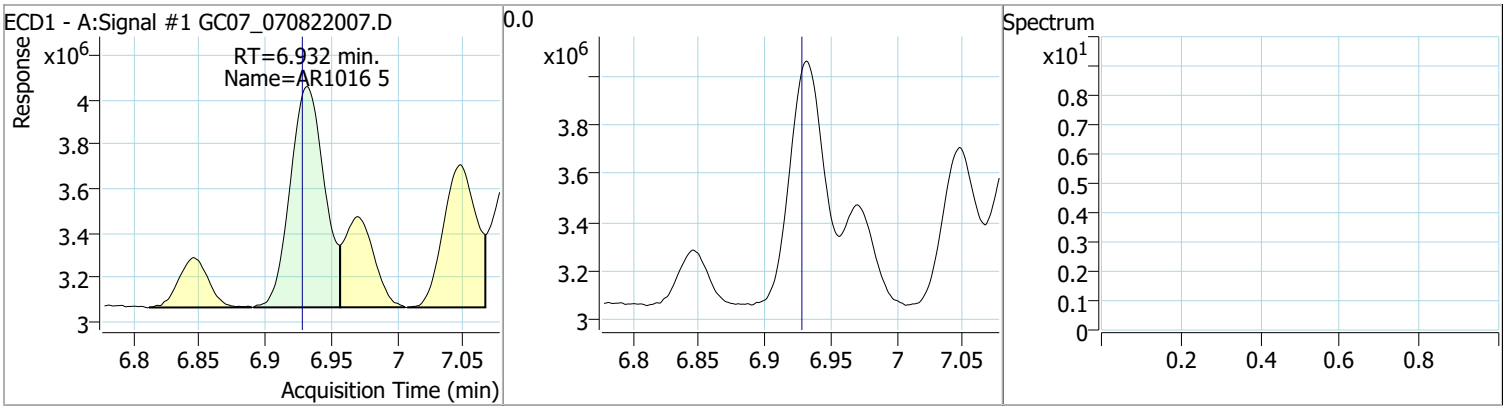
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	260.7266	6.37	0.00	639943				



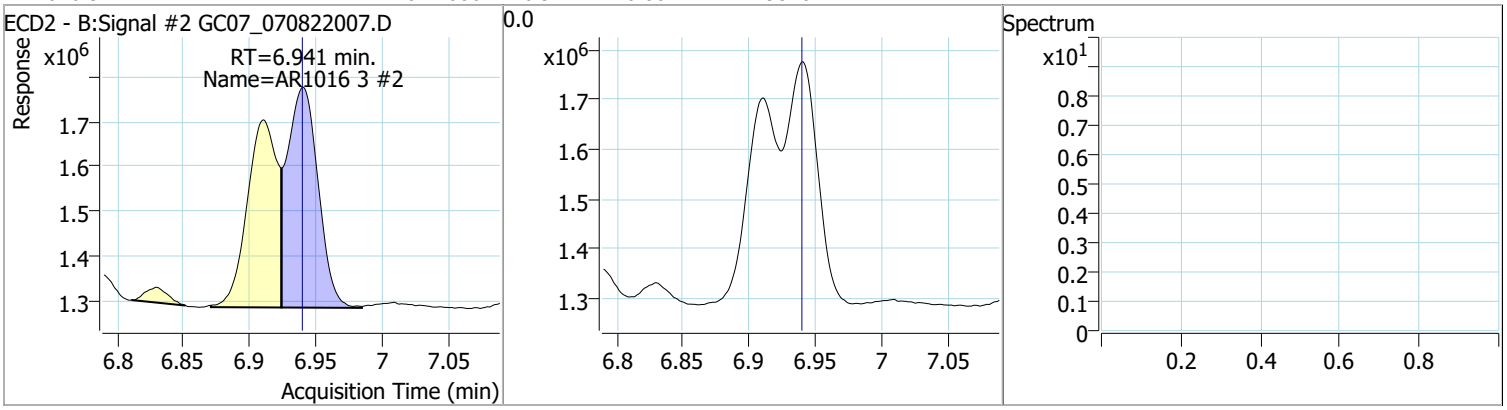
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	286.2110	6.45	0.00	2073974				



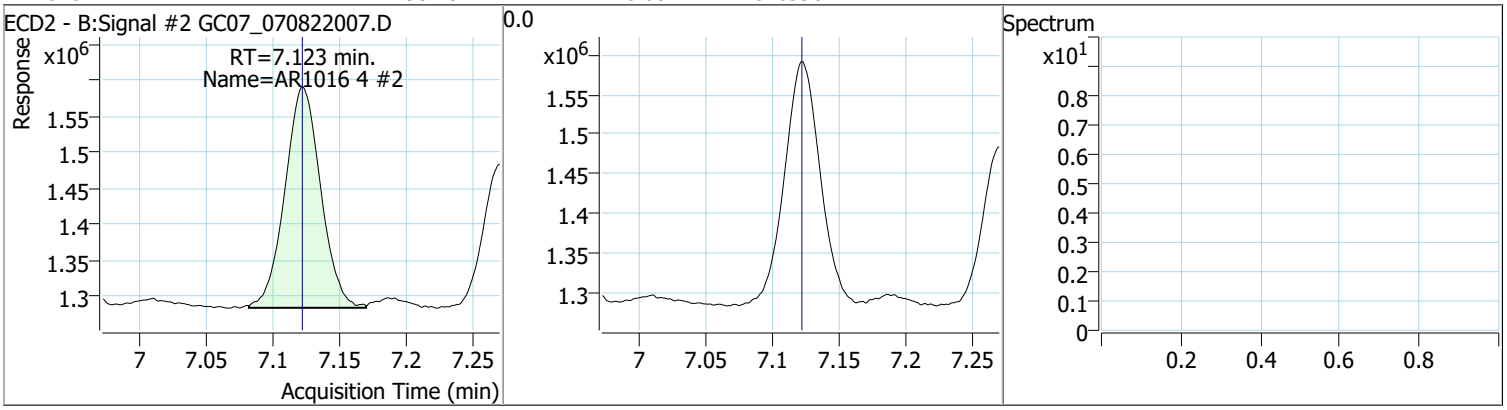
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	298.6585	6.93	0.00	1802681				



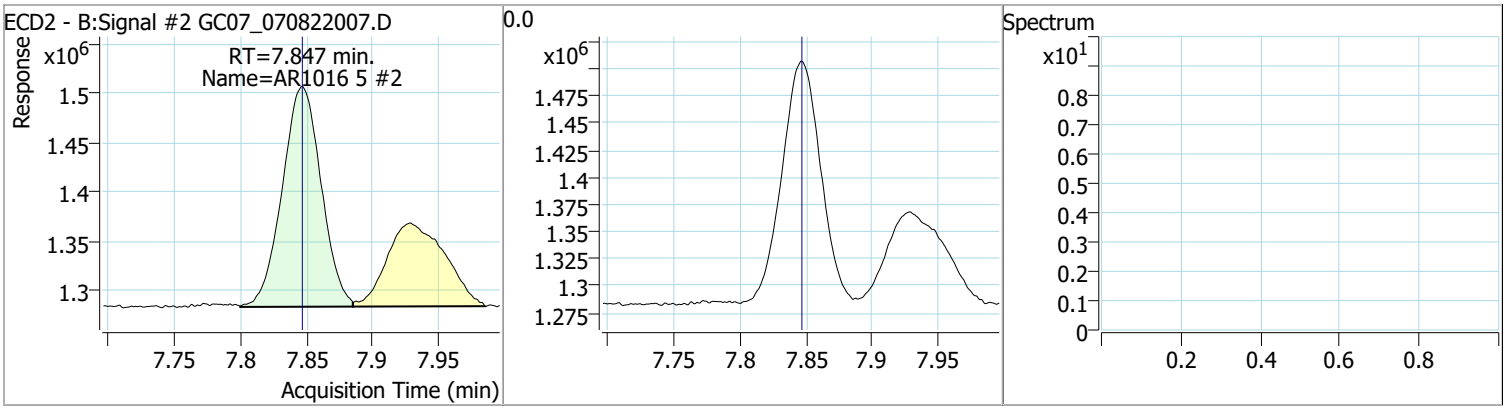
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	282.4086	6.94	0.00	795104				



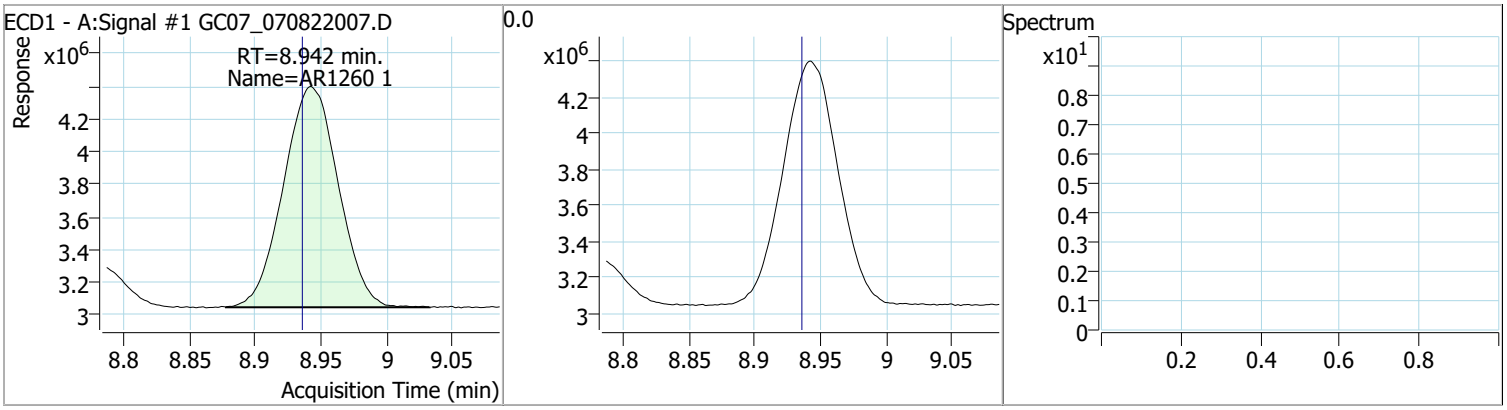
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	295.2841	7.12	0.00	576996				



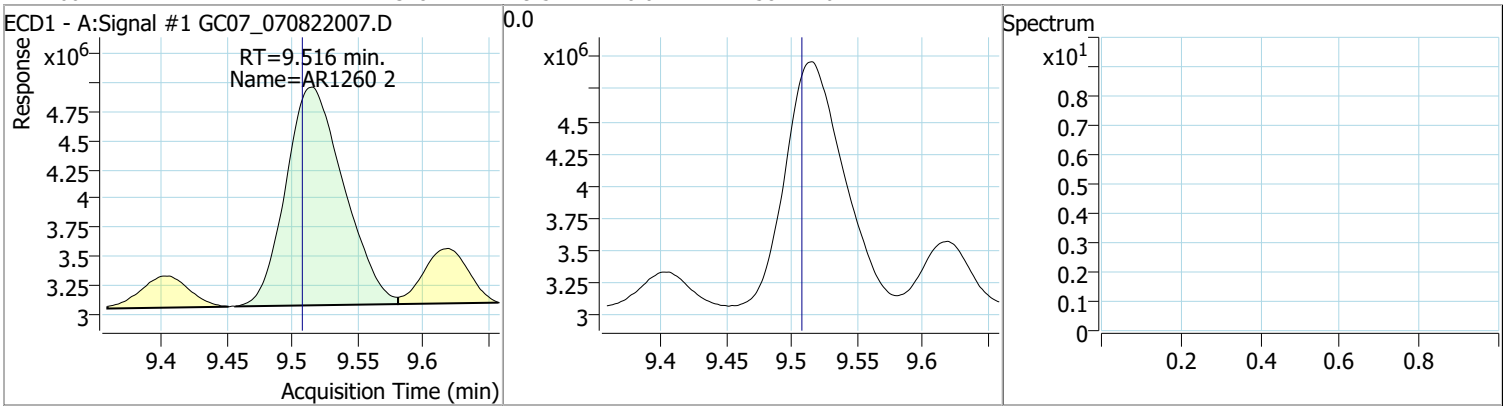
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	280.6246	7.85	0.00	458061				



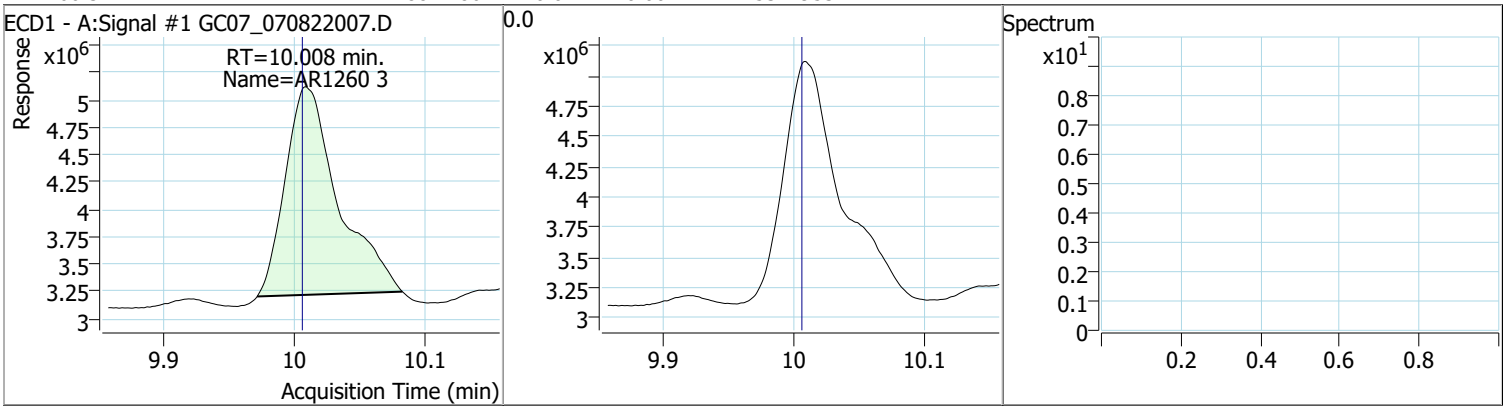
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	308.6752	8.94	0.00	3934494				



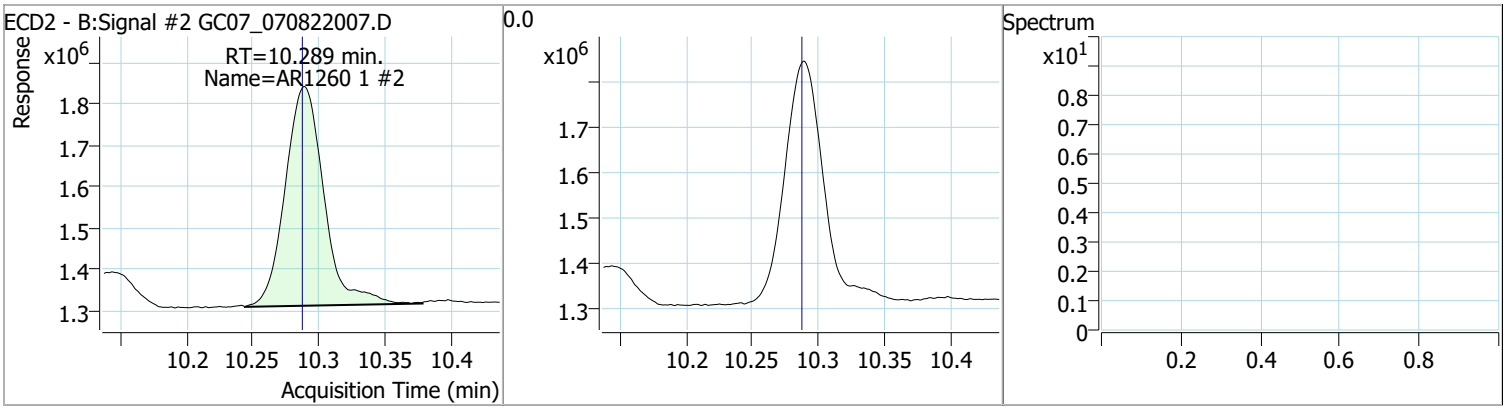
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	318.4711	9.52	0.01	5827246				



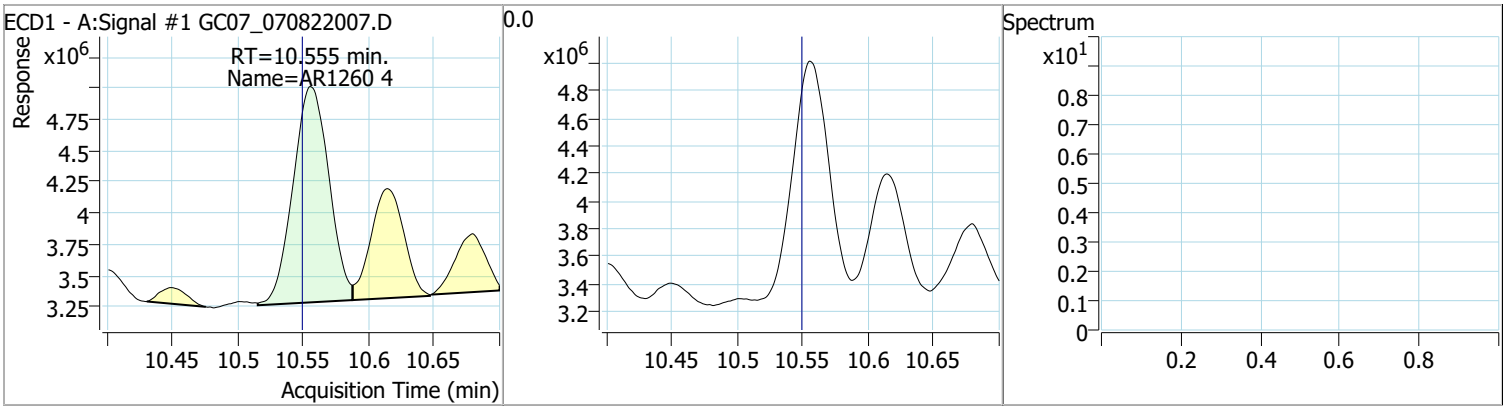
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	288.1486	10.01	0.00	5342953				



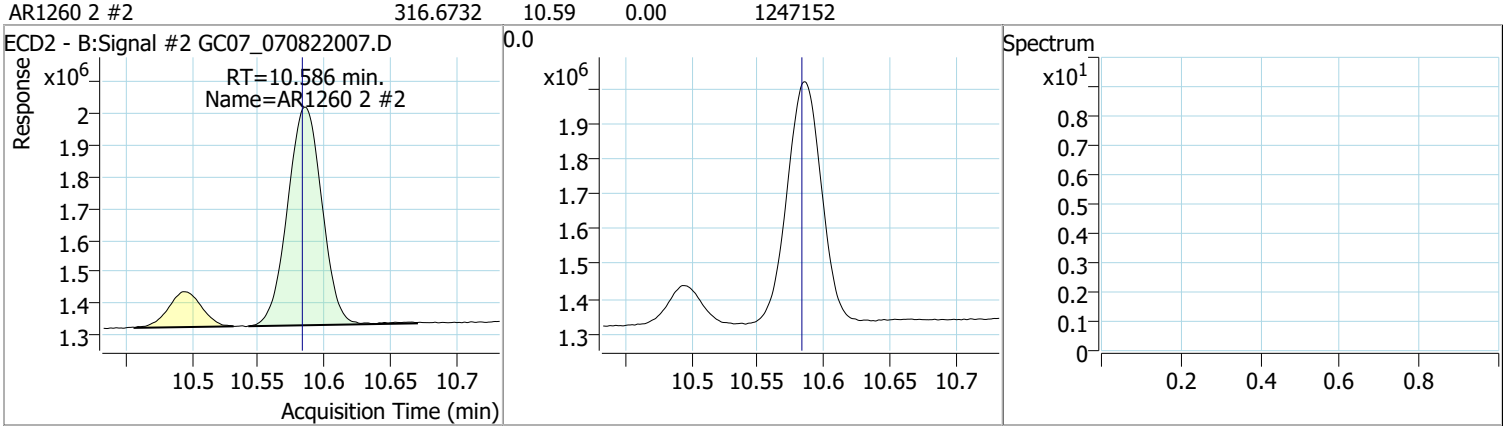
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	304.1306	10.29	0.00	1078080				



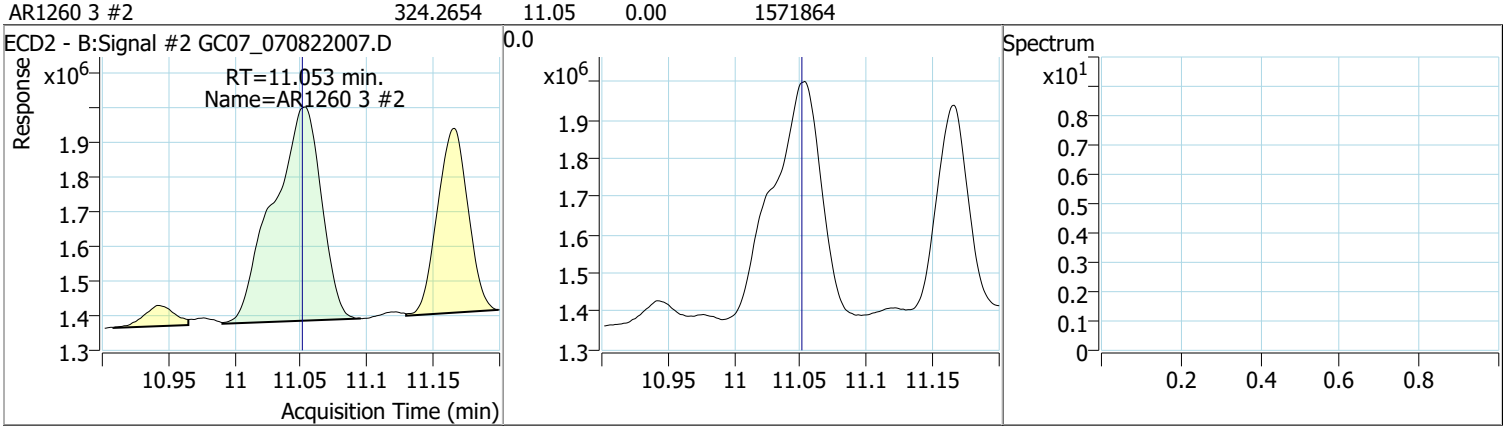
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	349.7012	10.56	0.00	3314819				



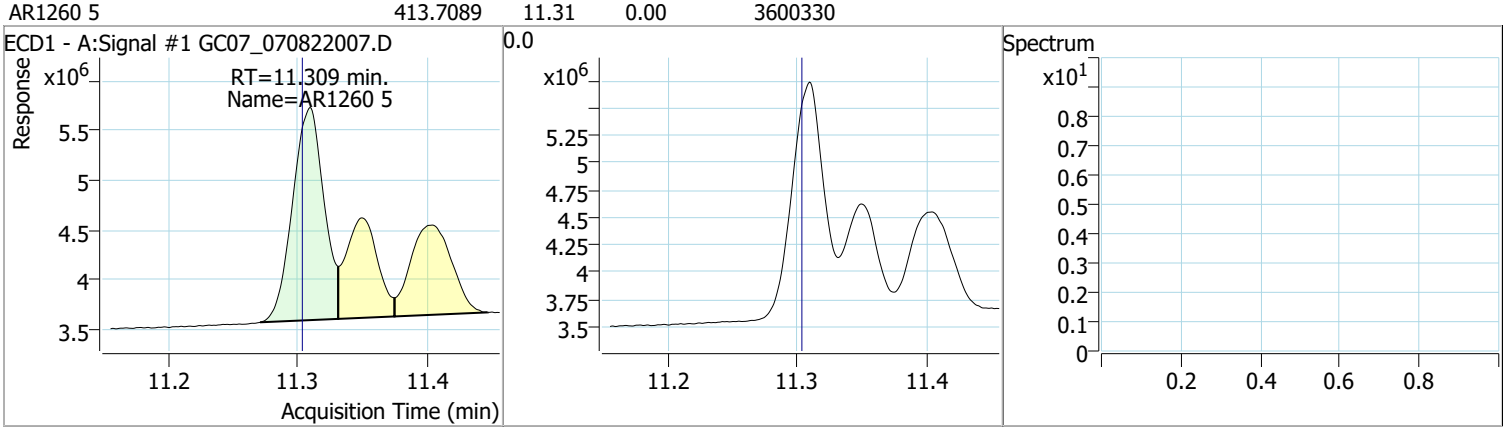
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	316.6732	10.59	0.00	1247152				



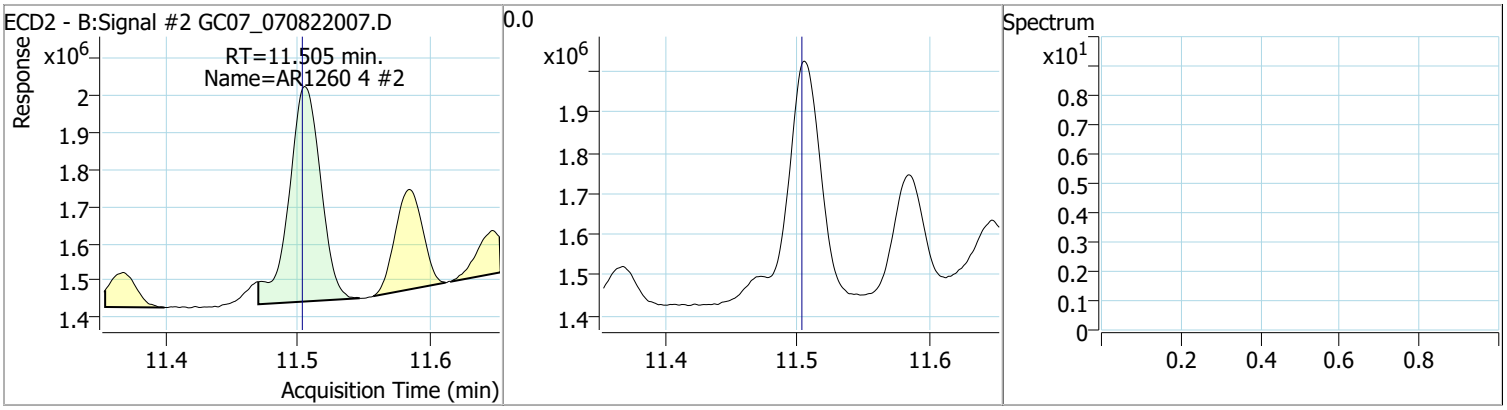
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	324.2654	11.05	0.00	1571864				



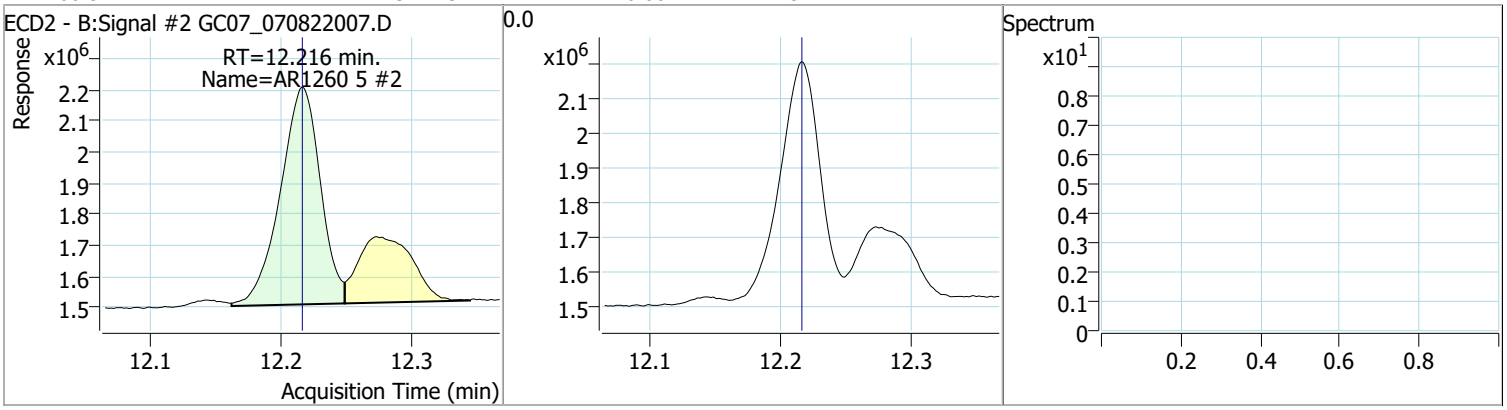
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	413.7089	11.31	0.00	3600330				



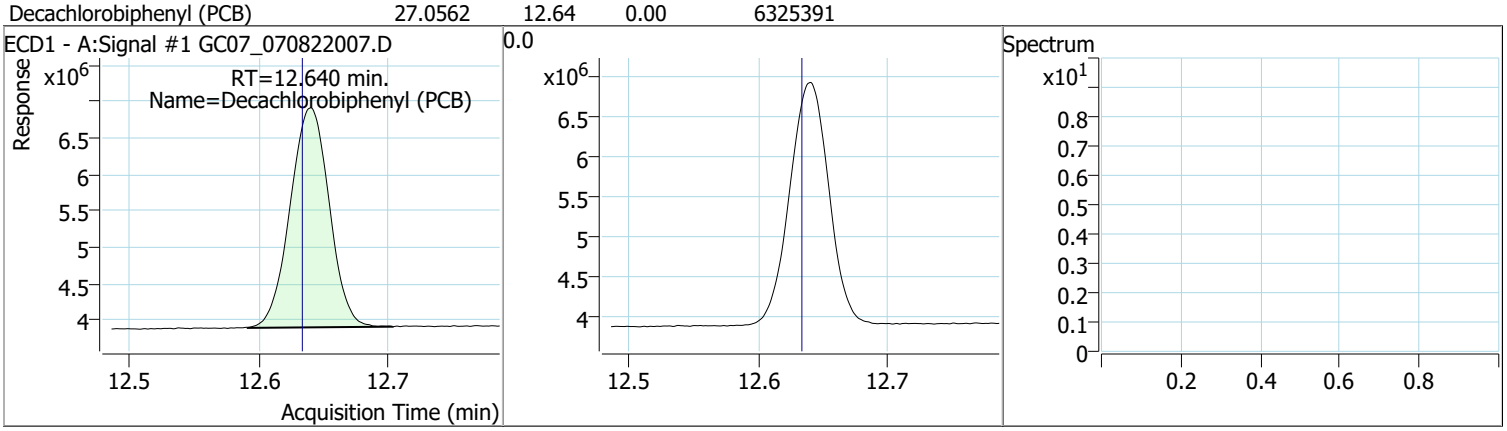
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	358.5081	11.51	0.00	975042				



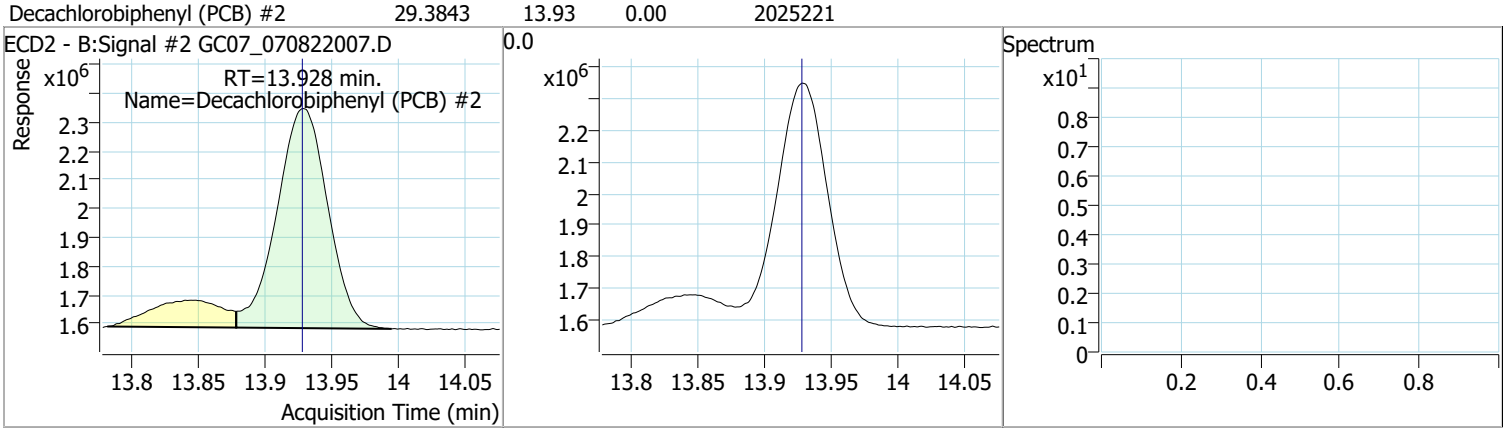
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	377.4311	12.22	0.00	1475124				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	27.0562	12.64	0.00	6325391				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	29.3843	13.93	0.00	2025221				



ENTHALPY SPIKE USER REPORT FOR 465035 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC07	Inst:	SVOA-GC07
Seqnum:	462271307032.3	Seqnum:	462271307033.3
File:	gc07_070722032	File:	gc07_070722033
IDF:	1.0	IDF:	1.0
Lab ID:	QC998415	Lab ID:	QC998416
Matrix:	Wipe	Matrix:	Wipe
Batch:	292307	Batch:	292307
Time:	07-JUL-2022 20:31	Time:	07-JUL-2022 20:49
Cal:	462252739001	Cal:	462252739001
Units:	ug/dm2		

- BS: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Aroclor-1016	5.000	288.8	2.888	A	**58***	266.0	2.660	A	**53***	60-140	8	20	
Aroclor-1016 Peak # 1		313.3	3.133	A		291.2	2.912	A					
Aroclor-1016 Peak # 2		273.5	2.735	A		256.5	2.565	A					
Aroclor-1016 Peak # 3		288.4	2.884	A		257.3	2.573	A					
Aroclor-1016 Peak # 4		281.2	2.812	A		258.7	2.587	A					
Aroclor-1016 Peak # 5		287.7	2.877	A		266.2	2.662	A					
Aroclor-1260	5.000	314.6	3.146	A	63	292.2	2.922	A	**58***	60-140	7	20	
Aroclor-1260 Peak # 1		281.2	2.812	A		265.5	2.655	A					
Aroclor-1260 Peak # 2		296.8	2.968	A		272.9	2.729	A					
Aroclor-1260 Peak # 3		272.3	2.723	A		247.1	2.471	A					
Aroclor-1260 Peak # 4		325.7	3.257	A		301.6	3.016	A					
Aroclor-1260 Peak # 5		397.0	3.970	A		373.8	3.738	A					
Surrogates													
TCMX (PCB)	0.5000	26.70	0.2670	A	53	24.87	0.2487	A	**50***	52-186			
Decachlorobiphenyl (PCB)	0.5000	26.33	0.2633	A	**53***	23.99	0.2399	A	**48***	60-140			

ISTD (CCV gc07_070722011)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1232125	1141901	-7.32
1-bromo-2-nitrobenzene (PCB)	A	4377739	4104679	-6.24

ISTD (CCV gc07_070722011)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.30	4.30	0.00

ISTD (CCV gc07_070722011)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1232125	1270453	3.11
1-bromo-2-nitrobenzene (PCB)	A	4377739	4399808	0.50

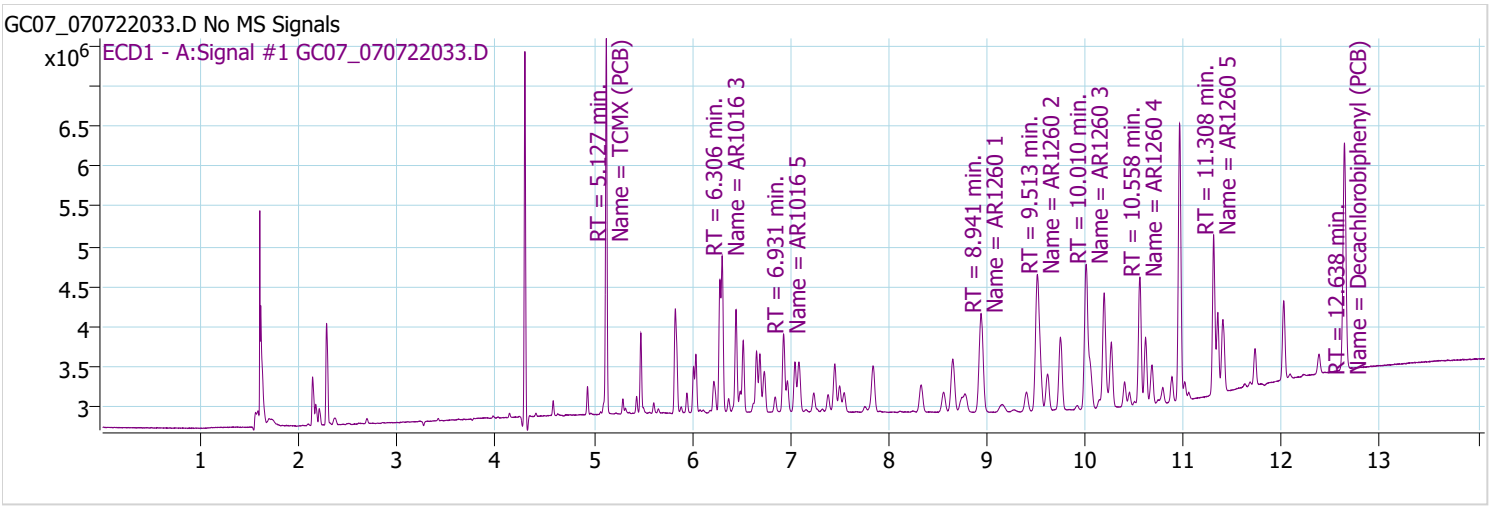
ISTD (CCV gc07_070722011)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.30	4.30	0.00

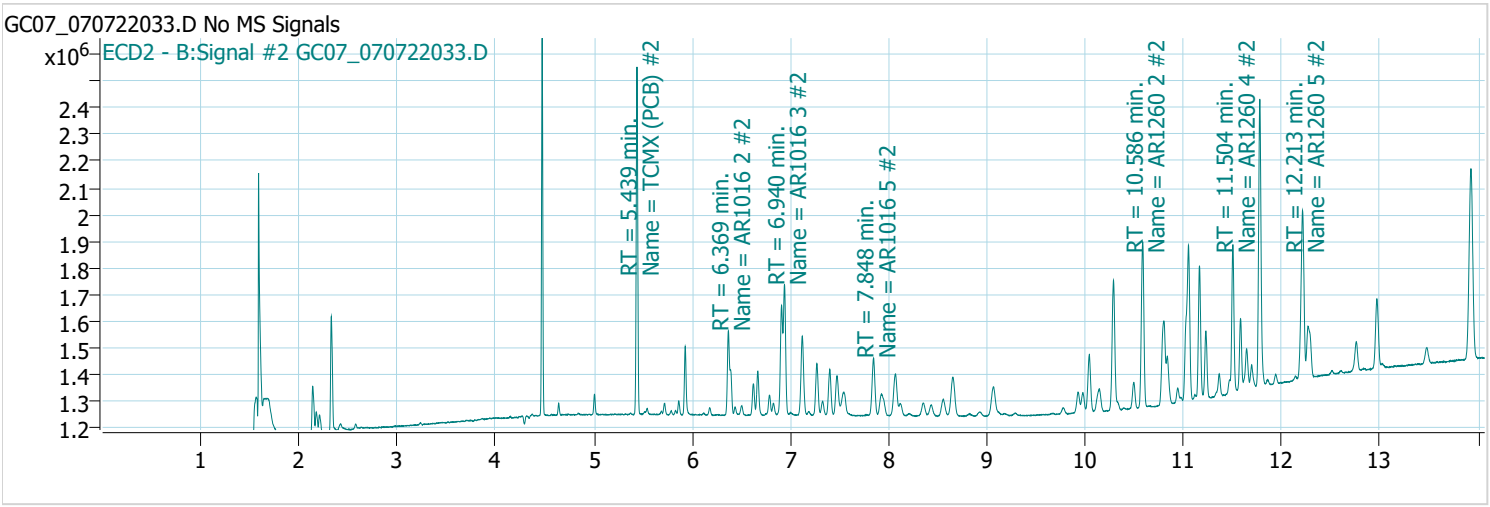
Analyst: TRN 07/08/22 *

Reviewer: LW 07/11/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC07_070722033.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/7/2022 8:49:33 PM
Sample Name	QC998416, 292307, 1	Instrument	SVOA-GC07
Vial	17	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_6.m	Comment	SOIL/10G-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	070722PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



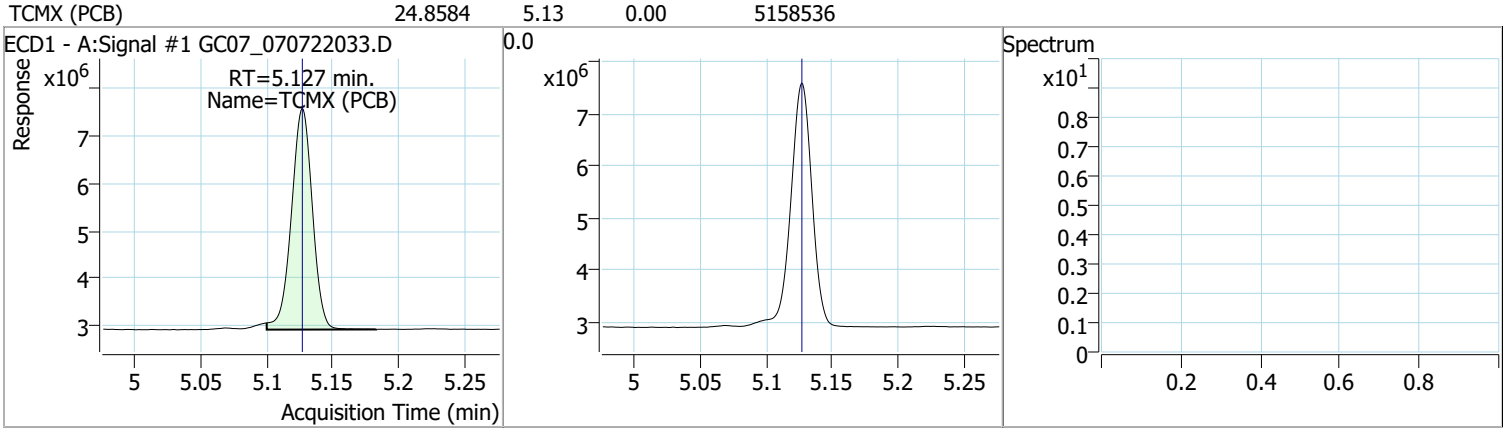


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.299	0.0	4399808.413	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.474	0.0	1270452.706	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.127	0.0	5158535.936	24.8584	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 124.29%		
S TCMX (PCB) #2	5.439	0.0	1437027.080	24.9239	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 124.62%		
S Decachlorobiphenyl (PCB)	12.638	0.0	5892436.372	23.9746	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 119.87%		
S Decachlorobiphenyl (PCB) #2	13.927	0.0	1863634.991	23.8224	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 119.11%		
Target Compounds						QValue

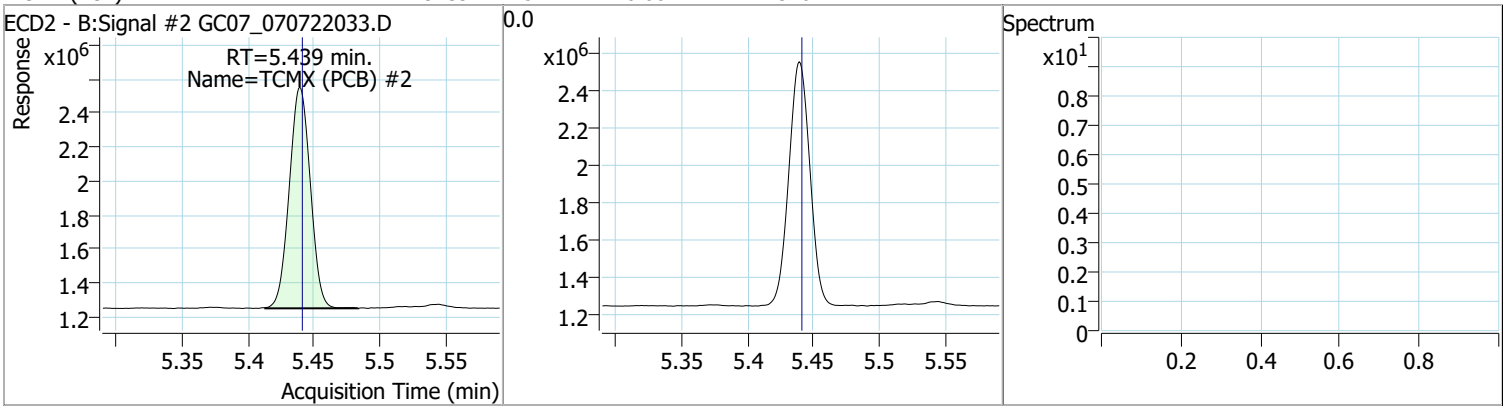
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.478	0.0	1228490.457	291.0415	ng/ml	100
T AR1016 2	5.829	0.0	2345774.693	256.4162	ng/ml	100
T AR1016 1 #2	5.930	0.0	326707.946	255.3584	ng/ml	100
T AR1016 3	6.306	0.0	2724731.304	257.2050	ng/ml	100
T AR1016 2 #2	6.369	0.0	647930.000	232.5699	ng/ml	100
T AR1016 4	6.448	0.0	1969582.936	258.5437	ng/ml	100
T AR1016 5	6.931	0.0	1688562.784	266.1030	ng/ml	100
T AR1016 3 #2	6.940	0.0	798591.342	249.8962	ng/ml	100
T AR1016 4 #2	7.122	0.0	559762.787	252.3785	ng/ml	100
T AR1016 5 #2	7.848	0.0	440198.491	237.5924	ng/ml	100
T AR1260 1	8.941	0.0	3556229.107	265.3867	ng/ml	100
T AR1260 2	9.513	0.0	5247068.693	272.7722	ng/ml	100
T AR1260 3	10.010	0.0	4814683.249	246.9901	ng/ml	100
T AR1260 1 #2	10.289	0.0	983271.762	244.3790	ng/ml	100
T AR1260 4	10.558	0.0	3003847.660	301.4337	ng/ml	100
T AR1260 2 #2	10.586	0.0	1139124.709	254.8265	ng/ml	100
T AR1260 3 #2	11.052	0.0	1413440.687	256.8884	ng/ml	100
T AR1260 5	11.308	0.0	3418210.109	373.6181	ng/ml	100
T AR1260 4 #2	11.504	0.0	889195.753	288.0411	ng/ml	100
T AR1260 5 #2	12.213	0.0	1349987.536	304.3128	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

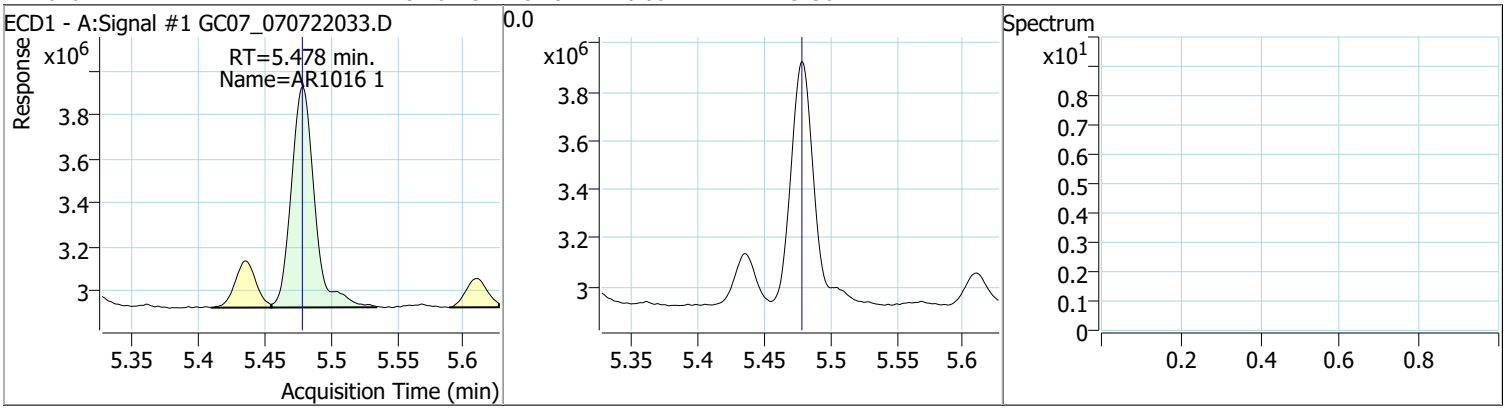
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	24.8584	5.13	0.00	5158536				



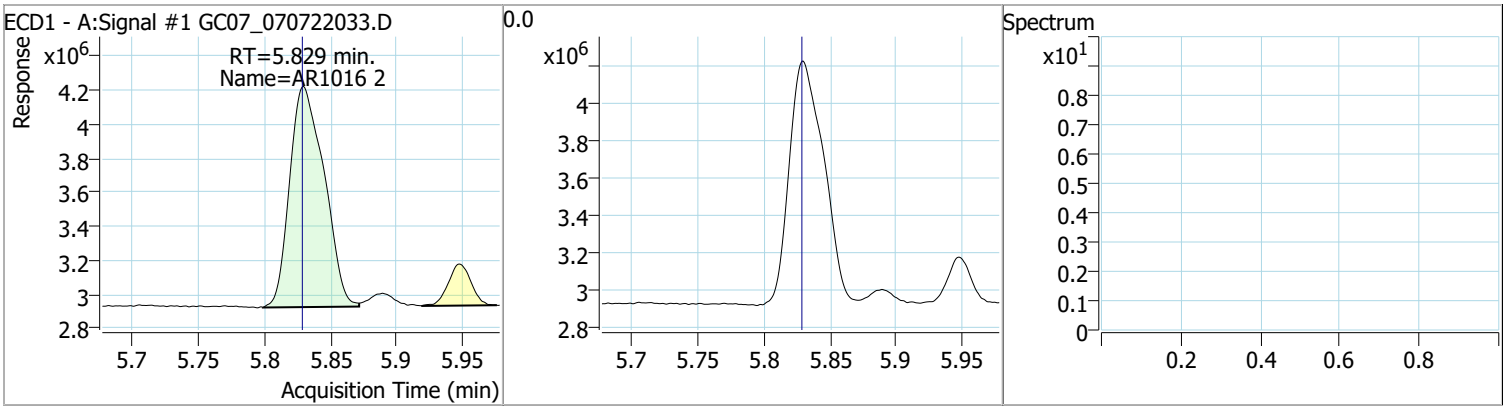
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	24.9239	5.44	0.00	1437027				



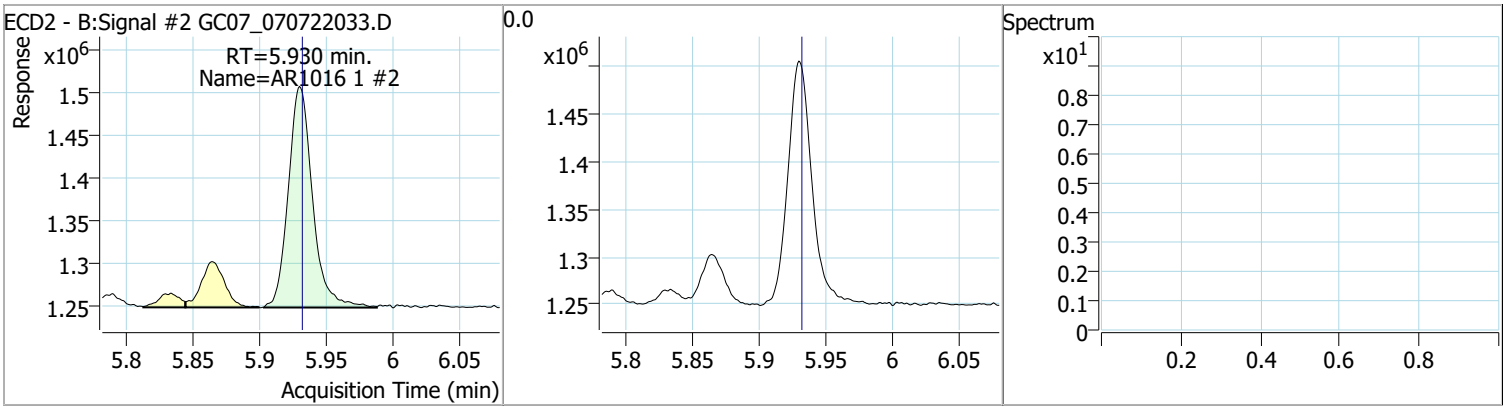
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	291.0415	5.48	0.00	1228490				



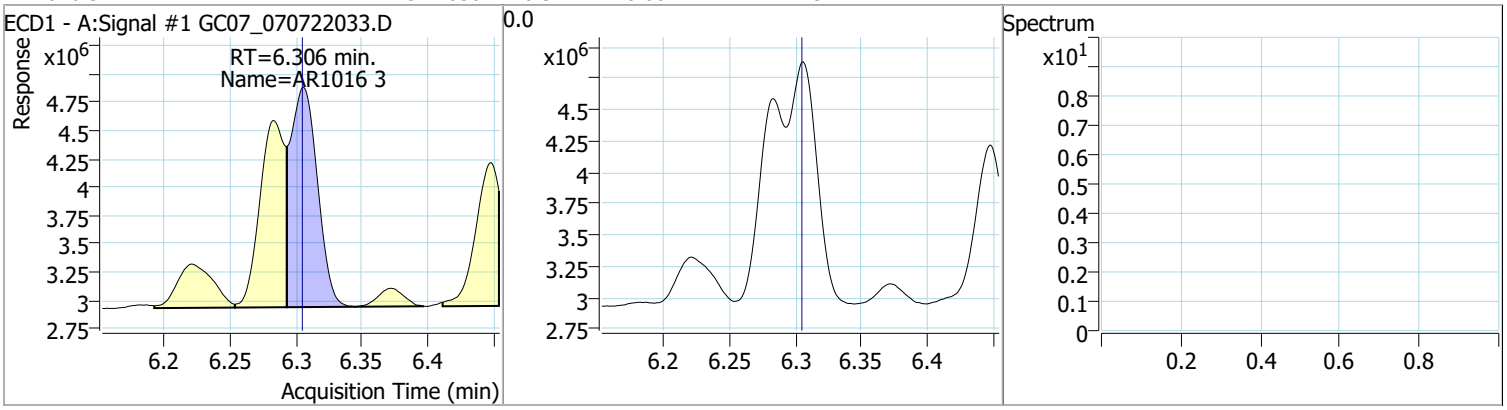
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	256.4162	5.83	0.00	2345775				



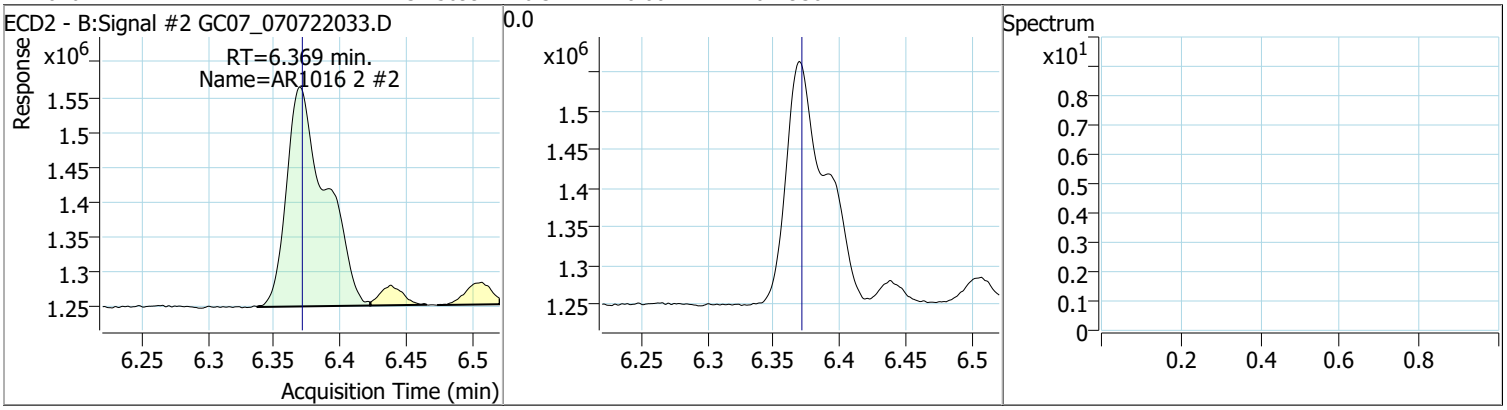
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	255.3584	5.93	0.00	326708				



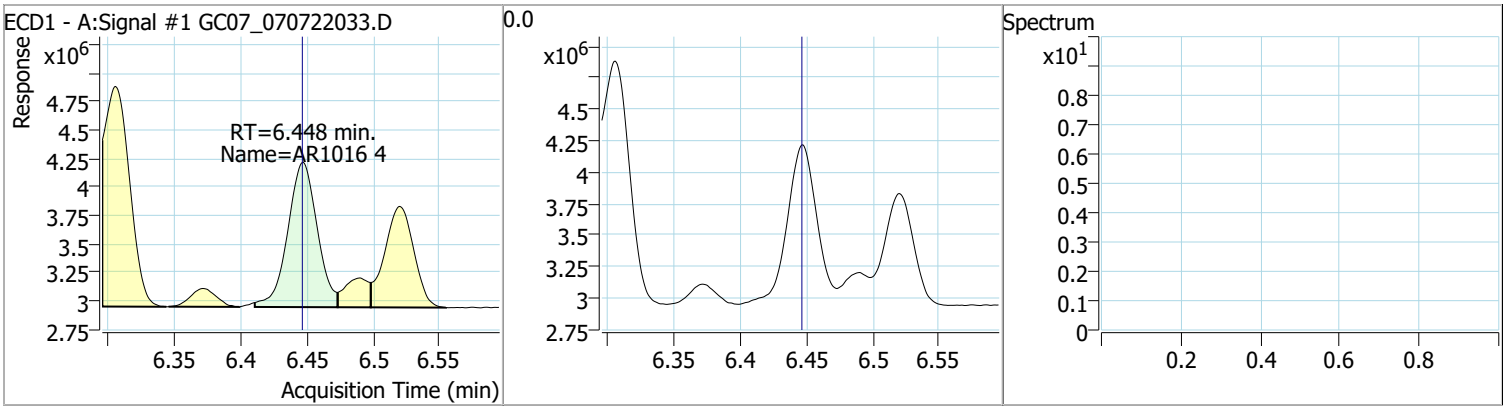
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	257.2050	6.31	0.00	2724731				



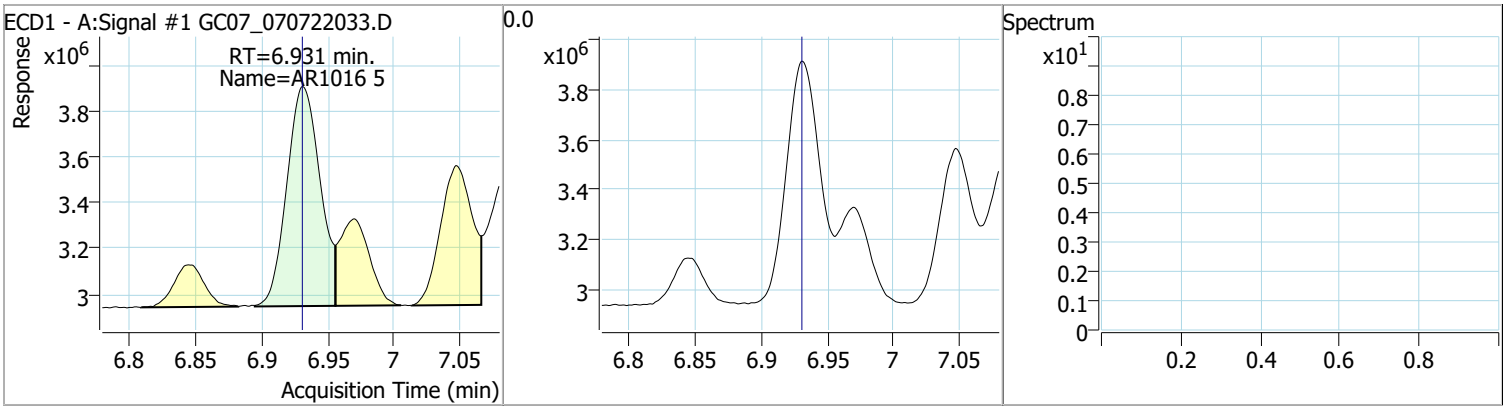
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	232.5699	6.37	0.00	647930				



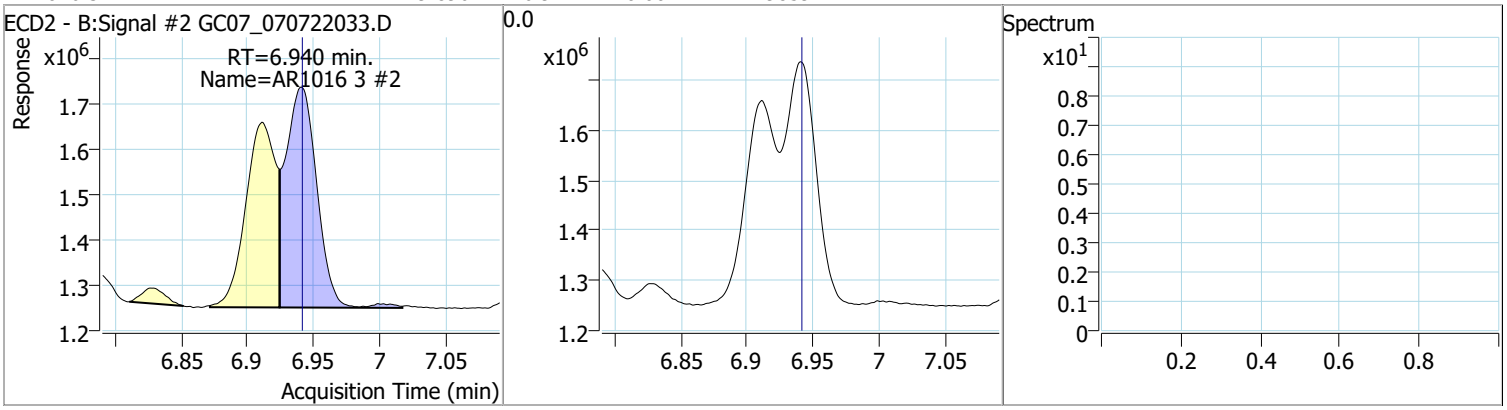
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	258.5437	6.45	0.00	1969583				



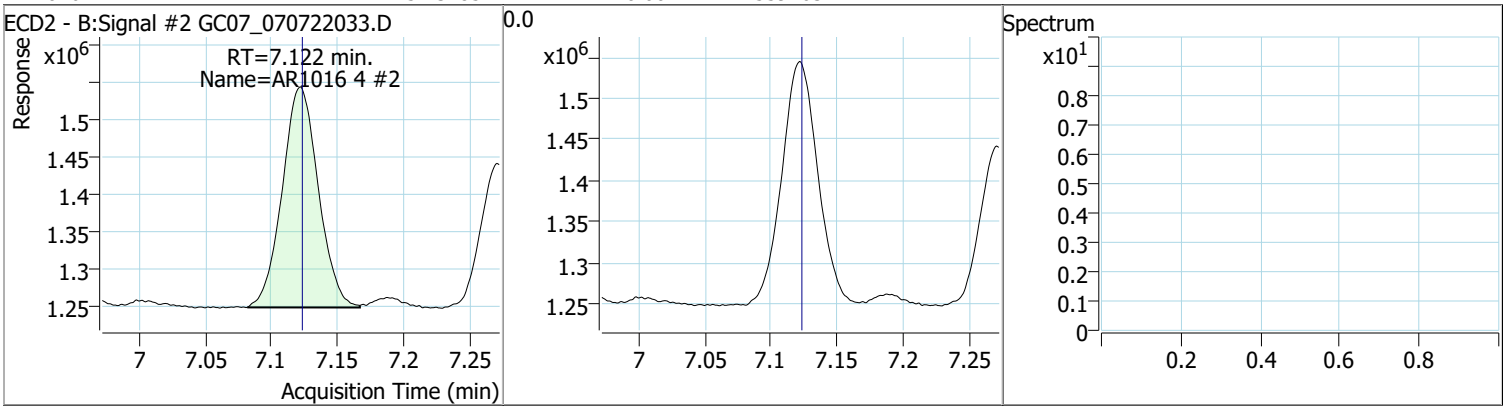
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	266.1030	6.93	0.00	1688563				



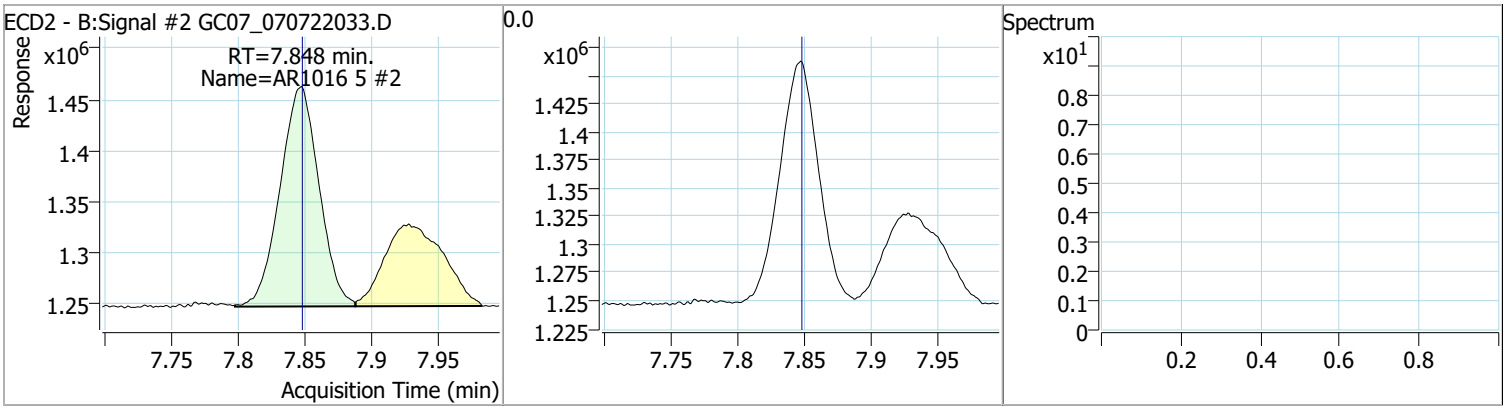
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	249.8962	6.94	0.00	798591				



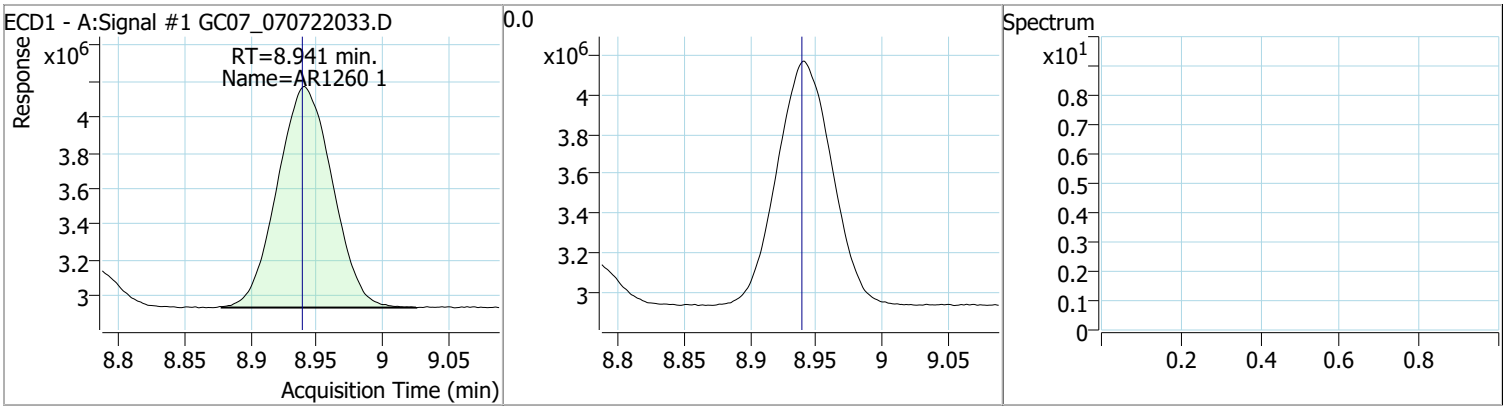
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	252.3785	7.12	0.00	559763				



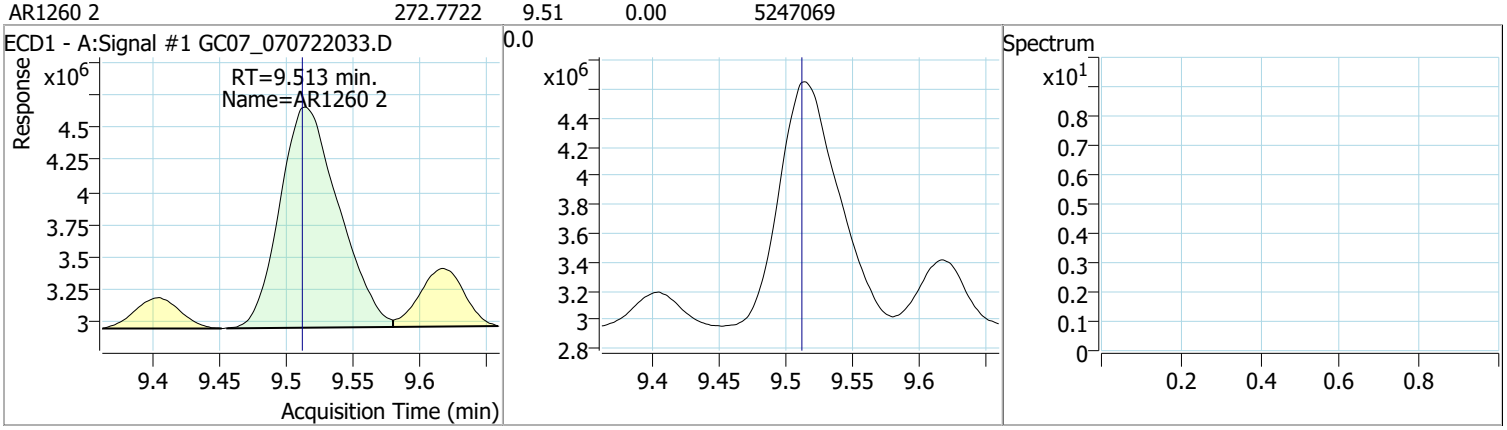
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	237.5924	7.85	0.00	440198				



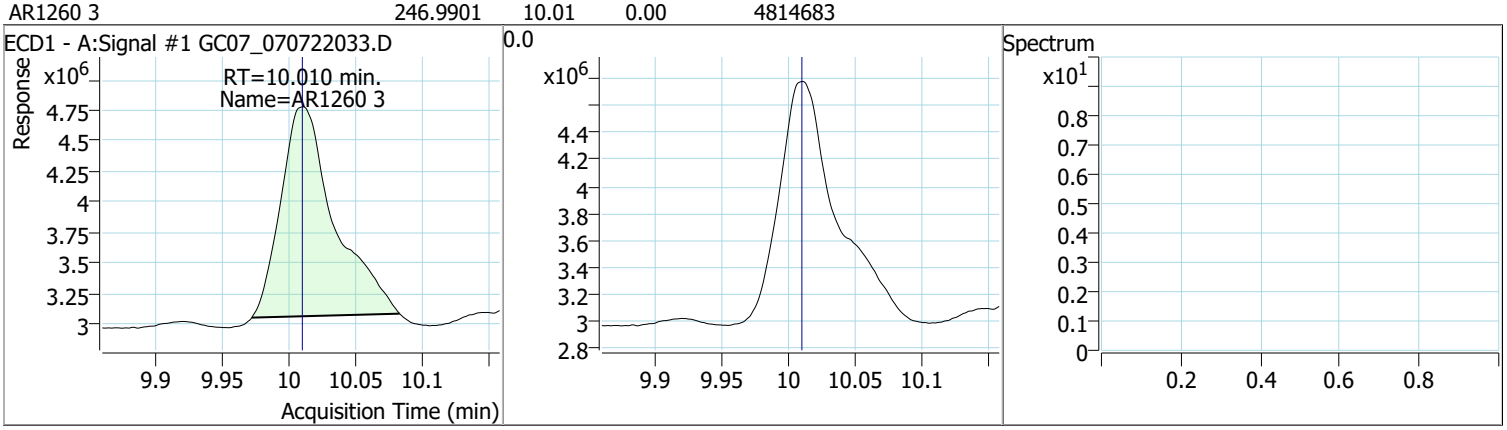
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	265.3867	8.94	0.00	3556229				



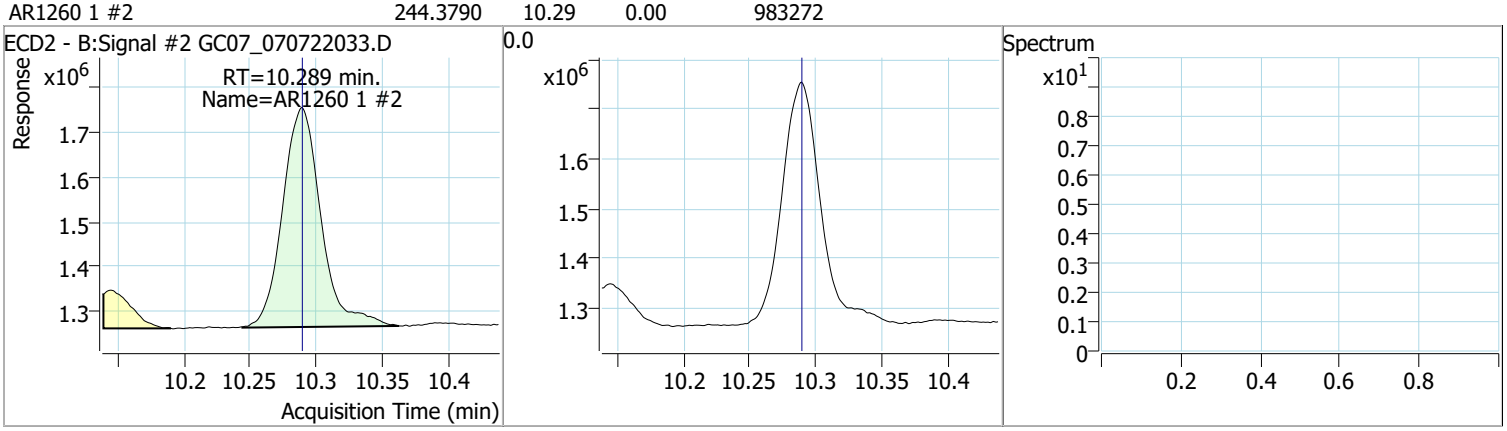
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	272.7722	9.51	0.00	5247069				



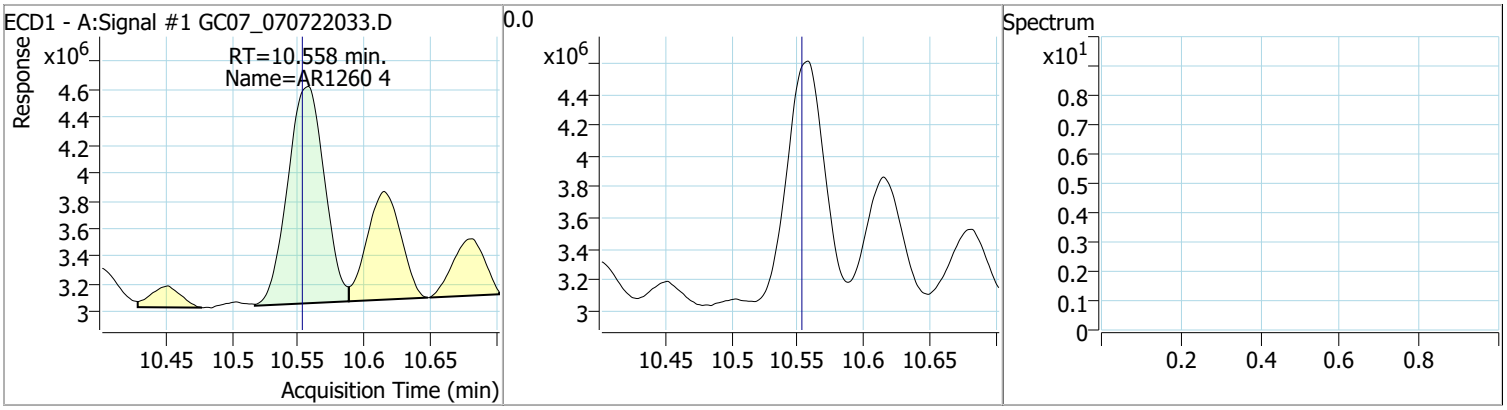
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	246.9901	10.01	0.00	4814683				



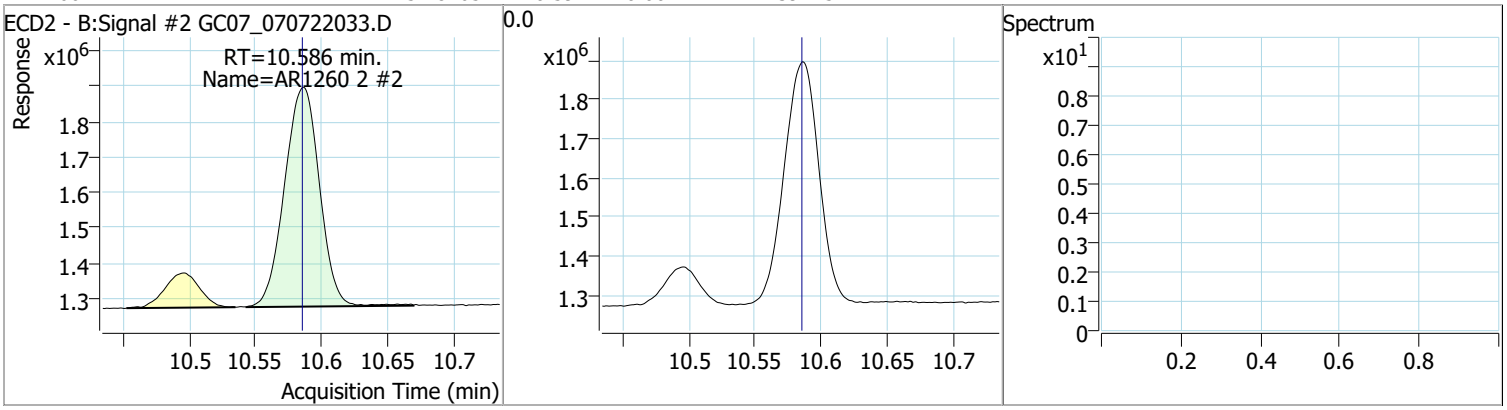
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	244.3790	10.29	0.00	983272				



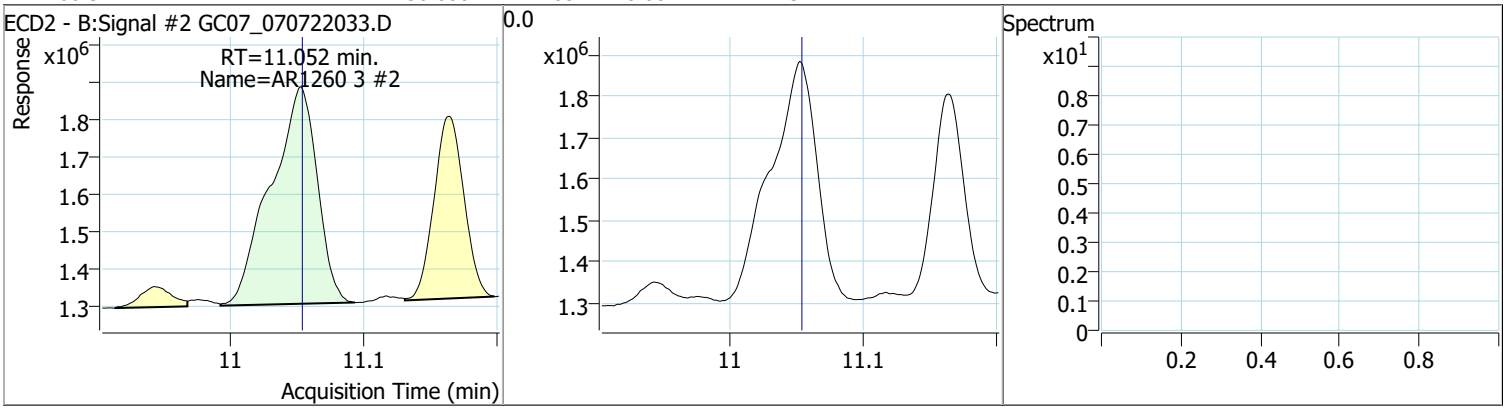
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	301.4337	10.56	0.01	3003848				



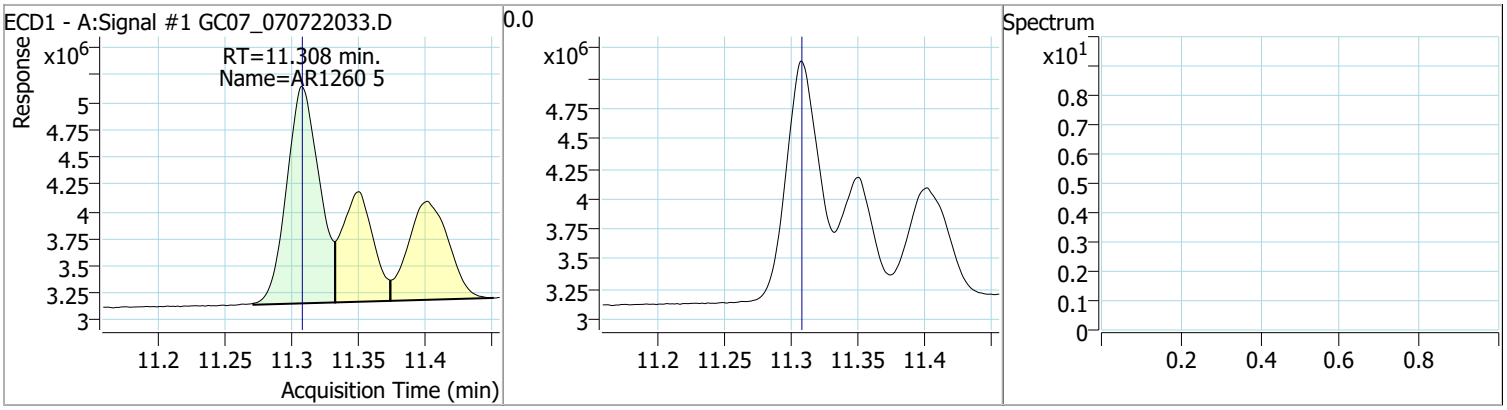
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	254.8265	10.59	0.00	1139125				



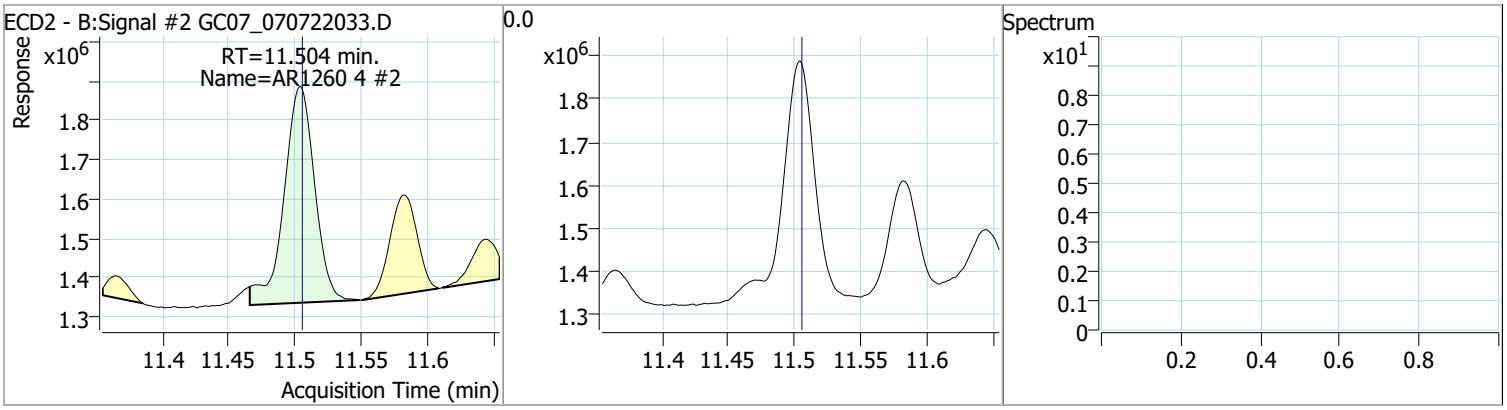
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	256.8884	11.05	0.00	1413441				



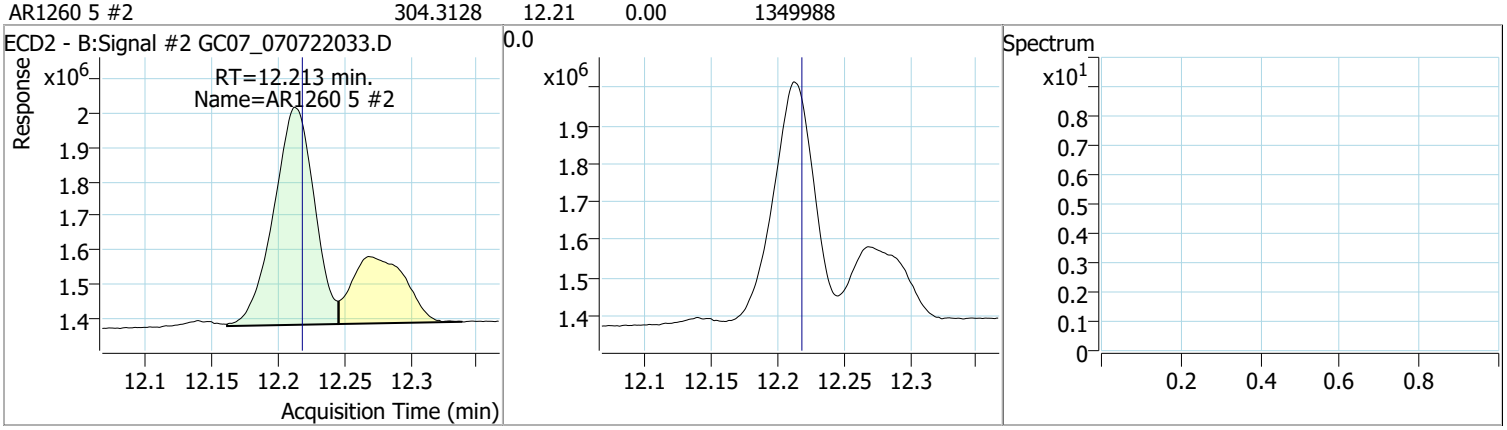
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	373.6181	11.31	0.00	3418210				



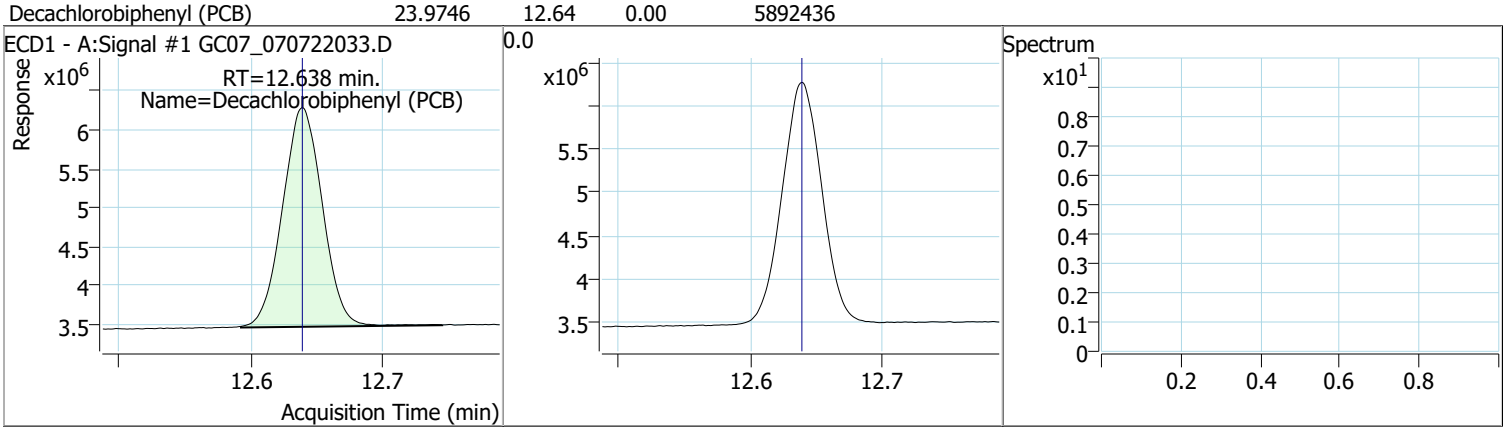
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	288.0411	11.50	0.00	889196				



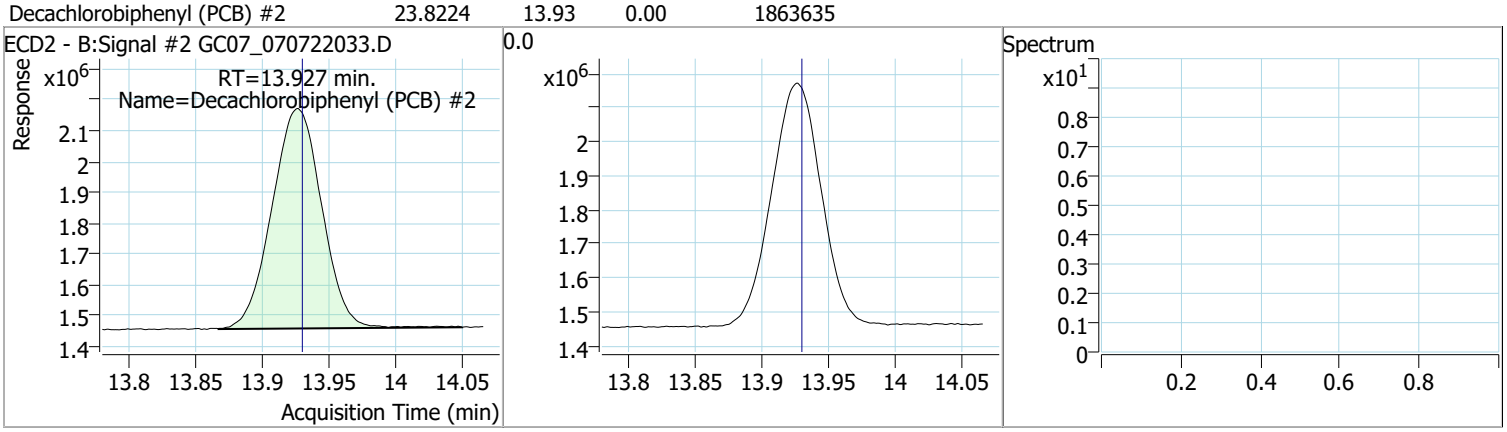
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	304.3128	12.21	0.00	1349988				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	23.9746	12.64	0.00	5892436				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	23.8224	13.93	0.00	1863635				



Initial Calibration Raw Data

ENTHALPY INITIAL CALIBRATION FOR 465035 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_062422_1
Calibration #:	462252739001	Date:	25-JUN-2022 00:39
		X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc07_062422022	462252739022		25-JUN-2022 00:39	S16671 (100X), S16725 (250X)
L2	gc07_062422023	462252739023		25-JUN-2022 00:57	S16671 (40X), S16725 (250X)
L3	gc07_062422024	462252739024		25-JUN-2022 01:14	S16671 (20X), S16725 (250X)
L4	gc07_062422025	462252739025		25-JUN-2022 01:32	S16671 (8X), S16725 (250X)
L5	gc07_062422026	462252739026		25-JUN-2022 01:49	S16671 (4X), S16725 (250X)
L6	gc07_062422027	462252739027		25-JUN-2022 02:07	S16671 (2.66X), S16725 (250X)
L7	gc07_062422028	462252739028		25-JUN-2022 02:24	S16671 (2X), S16725 (250X)
L8	gc07_062422029	462252739029		25-JUN-2022 02:42	S16671 (1.33X), S16725 (250X)
L9	gc07_062422030	462252739030		25-JUN-2022 02:59	S16671, S16725 (250X)

Analyte	Ch	Type	a0	a1	a2	Units	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		52.1446		ug/L	0.0192	12	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		24.0592		ug/L	0.0416	14	9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		20.7771		ug/L	0.0481	12	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		28.8928		ug/L	0.0346	11	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		34.6865		ug/L	0.0288	11	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		16.4257		ug/L	0.0609	12	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		11.4424		ug/L	0.0874	10	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		11.2915		ug/L	0.0886	7	9	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		22.0875		ug/L	0.0453	10	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		24.0599		ug/L	0.0416	7	9	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.89555		pg/uL	1.1166	9	9	.99	20	
TCMX (PCB)	A	AVRG		1.06067		pg/uL	0.9428	8	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		49.6768		ug/L	0.0201	7	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		22.8132		ug/L	0.0438	9	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		19.8883		ug/L	0.0503	9	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		28.6560		ug/L	0.0349	6	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		34.3044		ug/L	0.0292	7	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		15.7963		ug/L	0.0633	8	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		14.2181		ug/L	0.0703	6	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		11.5518		ug/L	0.0866	3	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		20.5890		ug/L	0.0486	5	9	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		14.3273		ug/L	0.0698	4	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.81243		pg/uL	1.2309	10	9	.99	20	
TCMX (PCB)	B	AVRG		1.10236		pg/uL	0.9071	4	9	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

ENTHALPY INITIAL CALIBRATION FOR 465035 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_062422_1
Calibration #:	462252739001	Date:	25-JUN-2022 00:39
		X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0234	0.0215	0.0200	0.0192	0.0192	0.0180	0.0176	0.0174	0.0163
Aroclor-1016 Peak # 2	A	0.0506	0.0484	0.0464	0.0430	0.0395	0.0384	0.0372	0.0366	0.0339
Aroclor-1016 Peak # 3	A	0.0594	0.0542	0.0518	0.0468	0.0454	0.0453	0.0443	0.0447	0.0413
Aroclor-1016 Peak # 4	A	0.0413	0.0385	0.0369	0.0348	0.0332	0.0331	0.0323	0.0317	0.0297
Aroclor-1016 Peak # 5	A	0.0337	0.0322	0.0318	0.0293	0.0277	0.0275	0.0267	0.0261	0.0245
Aroclor-1260 Peak # 1	A	0.0727	0.0690	0.0664	0.0613	0.0580	0.0617	0.0550	0.0540	0.0499
Aroclor-1260 Peak # 2	A	0.1010	0.0978	0.0943	0.0864	0.0838	0.0853	0.0816	0.0810	0.0754
Aroclor-1260 Peak # 3	A	0.0987	0.0952	0.0933	0.0862	0.0848	0.0876	0.0843	0.0855	0.0813
Aroclor-1260 Peak # 4	A	0.0539	0.0502	0.0485	0.0445	0.0431	0.0439	0.0418	0.0418	0.0398
Aroclor-1260 Peak # 5	A	0.0379	0.0402	0.0409	0.0376	0.0404	0.0447	0.0428	0.0450	0.0446
Decachlorobiphenyl (PCB)	A	1.3136	1.2521	1.1395	1.0914	1.0462	1.0936	1.0474	1.0457	1.0202
TCMX (PCB)	A	1.0556	1.0443	1.0018	0.9534	0.8960	0.8931	0.8839	0.9007	0.8564
Aroclor-1016 Peak # 1	B	0.0237	0.0206	0.0205	0.0201	0.0194	0.0196	0.0193	0.0195	0.0184
Aroclor-1016 Peak # 2	B	0.0520	0.0470	0.0451	0.0431	0.0429	0.0424	0.0413	0.0416	0.0391
Aroclor-1016 Peak # 3	B	0.0609	0.0528	0.0500	0.0478	0.0483	0.0487	0.0479	0.0490	0.0470
Aroclor-1016 Peak # 4	B	0.0385	0.0379	0.0349	0.0334	0.0336	0.0344	0.0340	0.0346	0.0328
Aroclor-1016 Peak # 5	B	0.0329	0.0318	0.0294	0.0281	0.0280	0.0286	0.0281	0.0285	0.0271
Aroclor-1260 Peak # 1	B	0.0741	0.0656	0.0651	0.0617	0.0619	0.0631	0.0605	0.0606	0.0572
Aroclor-1260 Peak # 2	B	0.0777	0.0735	0.0724	0.0698	0.0688	0.0709	0.0674	0.0682	0.0642
Aroclor-1260 Peak # 3	B	0.0823	0.0865	0.0833	0.0845	0.0876	0.0917	0.0876	0.0898	0.0859
Aroclor-1260 Peak # 4	B	0.0506	0.0519	0.0474	0.0468	0.0460	0.0516	0.0476	0.0489	0.0462
Aroclor-1260 Peak # 5	B	0.0736	0.0727	0.0678	0.0662	0.0681	0.0716	0.0685	0.0706	0.0691
Decachlorobiphenyl (PCB)	B	1.4473	1.4291	1.1927	1.1850	1.1442	1.2016	1.1565	1.1753	1.1462
TCMX (PCB)	B	0.9875	0.8886	0.8748	0.8877	0.8943	0.8998	0.8927	0.9329	0.9059

ENTHALPY INITIAL CALIBRATION FOR 465035 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_062422_1
Calibration #:	462252739001	Date:	25-JUN-2022 00:39
		X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	**22**	50.000	12	100.00	4	250.00	0	500.00	0	751.88	-6	1000.0	-8	1503.8	-9
Aroclor-1016 Peak # 2	A	20.000	**22**	50.000	16	100.00	12	250.00	3	500.00	-5	751.88	-8	1000.0	-10	1503.8	-12
Aroclor-1016 Peak # 3	A	20.000	**23**	50.000	13	100.00	8	250.00	-3	500.00	-6	751.88	-6	1000.0	-8	1503.8	-7
Aroclor-1016 Peak # 4	A	20.000	19	50.000	11	100.00	7	250.00	1	500.00	-4	751.88	-4	1000.0	-7	1503.8	-8
Aroclor-1016 Peak # 5	A	20.000	17	50.000	12	100.00	10	250.00	2	500.00	-4	751.88	-5	1000.0	-7	1503.8	-10
Aroclor-1260 Peak # 1	A	20.000	19	50.000	13	100.00	9	250.00	1	500.00	-5	751.88	1	1000.0	-10	1503.8	-11
Aroclor-1260 Peak # 2	A	20.000	16	50.000	12	100.00	8	250.00	-1	500.00	-4	751.88	-2	1000.0	-7	1503.8	-7
Aroclor-1260 Peak # 3	A	20.000	11	50.000	8	100.00	5	250.00	-3	500.00	-4	751.88	-1	1000.0	-5	1503.8	-3
Aroclor-1260 Peak # 4	A	20.000	19	50.000	11	100.00	7	250.00	-2	500.00	-5	751.88	-3	1000.0	-8	1503.8	-8
Aroclor-1260 Peak # 5	A	20.000	-9	50.000	-3	100.00	-2	250.00	-9	500.00	-3	751.88	8	1000.0	3	1503.8	8
Decachlorobiphenyl (PCB)	A	0.8000	18	2.0000	12	4.0000	2	10.000	-2	20.000	-6	30.075	-2	40.000	-6	60.150	-6
TCMX (PCB)	A	0.8000	12	2.0000	11	4.0000	6	10.000	1	20.000	-5	30.075	-5	40.000	-6	60.150	-4
Aroclor-1016 Peak # 1	B	20.000	18	50.000	2	100.00	2	250.00	0	500.00	-3	751.88	-3	1000.0	-4	1503.8	-3
Aroclor-1016 Peak # 2	B	20.000	19	50.000	7	100.00	3	250.00	-2	500.00	-2	751.88	-3	1000.0	-6	1503.8	-5
Aroclor-1016 Peak # 3	B	20.000	**21**	50.000	5	100.00	-1	250.00	-5	500.00	-4	751.88	-3	1000.0	-5	1503.8	-2
Aroclor-1016 Peak # 4	B	20.000	10	50.000	9	100.00	0	250.00	-4	500.00	-4	751.88	-1	1000.0	-2	1503.8	-1
Aroclor-1016 Peak # 5	B	20.000	13	50.000	9	100.00	1	250.00	-4	500.00	-4	751.88	-2	1000.0	-4	1503.8	-2
Aroclor-1260 Peak # 1	B	20.000	17	50.000	4	100.00	3	250.00	-3	500.00	-2	751.88	0	1000.0	-4	1503.8	-4
Aroclor-1260 Peak # 2	B	20.000	10	50.000	5	100.00	3	250.00	-1	500.00	-2	751.88	1	1000.0	-4	1503.8	-3
Aroclor-1260 Peak # 3	B	20.000	-5	50.000	0	100.00	-4	250.00	-2	500.00	1	751.88	6	1000.0	1	1503.8	4
Aroclor-1260 Peak # 4	B	20.000	4	50.000	7	100.00	-2	250.00	-4	500.00	-5	751.88	6	1000.0	-2	1503.8	1
Aroclor-1260 Peak # 5	B	20.000	5	50.000	4	100.00	-3	250.00	-5	500.00	-2	751.88	3	1000.0	-2	1503.8	1
Decachlorobiphenyl (PCB)	B	0.8000	18	2.0000	16	4.0000	-3	10.000	-4	20.000	-7	30.075	-2	40.000	-6	60.150	-5
TCMX (PCB)	B	0.8000	9	2.0000	-2	4.0000	-4	10.000	-2	20.000	-1	30.075	-1	40.000	-2	60.150	3

ENTHALPY INITIAL CALIBRATION FOR 465035 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_062422_1
Calibration #:	462252739001	Date:	25-JUN-2022 00:39
		X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-15
Aroclor-1016 Peak # 2	A	2000.0	-18
Aroclor-1016 Peak # 3	A	2000.0	-14
Aroclor-1016 Peak # 4	A	2000.0	-14
Aroclor-1016 Peak # 5	A	2000.0	-15
Aroclor-1260 Peak # 1	A	2000.0	-18
Aroclor-1260 Peak # 2	A	2000.0	-14
Aroclor-1260 Peak # 3	A	2000.0	-8
Aroclor-1260 Peak # 4	A	2000.0	-12
Aroclor-1260 Peak # 5	A	2000.0	7
Decachlorobiphenyl (PCB)	A	80.000	-9
TCMX (PCB)	A	80.000	-9
Aroclor-1016 Peak # 1	B	2000.0	-8
Aroclor-1016 Peak # 2	B	2000.0	-11
Aroclor-1016 Peak # 3	B	2000.0	-6
Aroclor-1016 Peak # 4	B	2000.0	-6
Aroclor-1016 Peak # 5	B	2000.0	-7
Aroclor-1260 Peak # 1	B	2000.0	-10
Aroclor-1260 Peak # 2	B	2000.0	-9
Aroclor-1260 Peak # 3	B	2000.0	-1
Aroclor-1260 Peak # 4	B	2000.0	-5
Aroclor-1260 Peak # 5	B	2000.0	-1
Decachlorobiphenyl (PCB)	B	80.000	-7
TCMX (PCB)	B	80.000	0

TRN 06/25/22 : Manually integrated for coeluting peak and automatic draw baseline on both/one channel and on multiple levels

Analyst: TRN 06/25/22

Reviewer: LW 06/27/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 465035 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07	Name:	PCB_062422_1
Calnum:	462252739001	Cal Date:	25-JUN-2022

- ICV 462252739032 (gc07_062422032 25-JUN-2022) stds: S16736

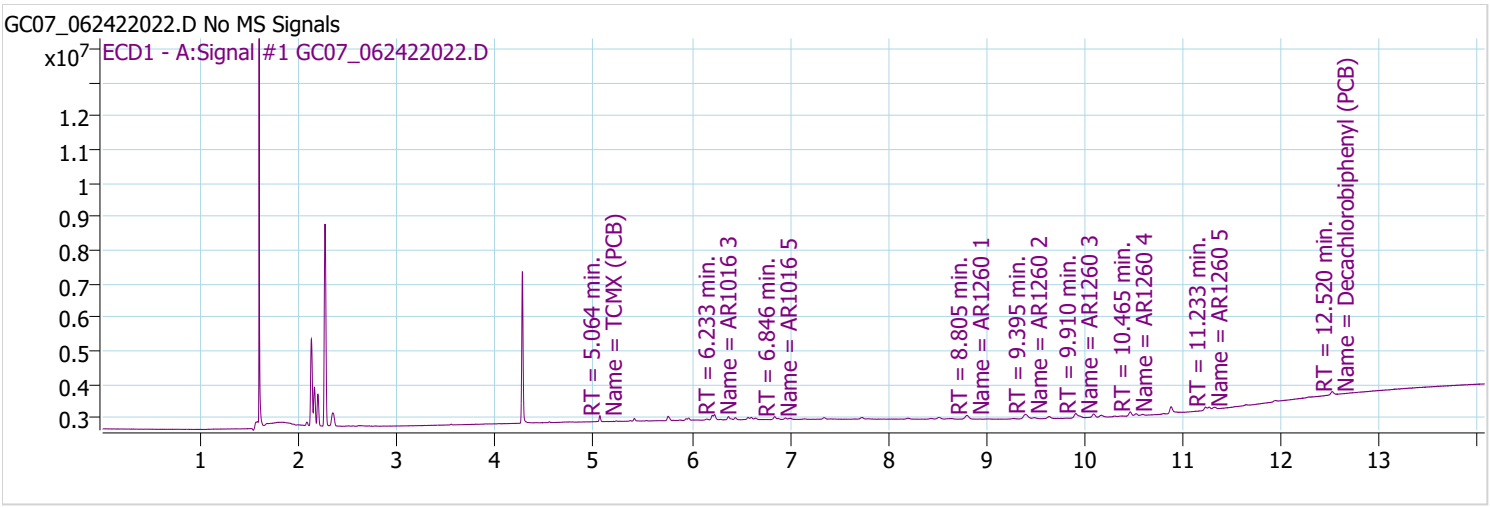
Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	518.1	ug/L	4	15	
Aroclor-1260	A	500.0	539.6	ug/L	8	15	
Aroclor-1016	B	500.0	525.9	ug/L	5	15	
Aroclor-1260	B	500.0	563.1	ug/L	13	15	

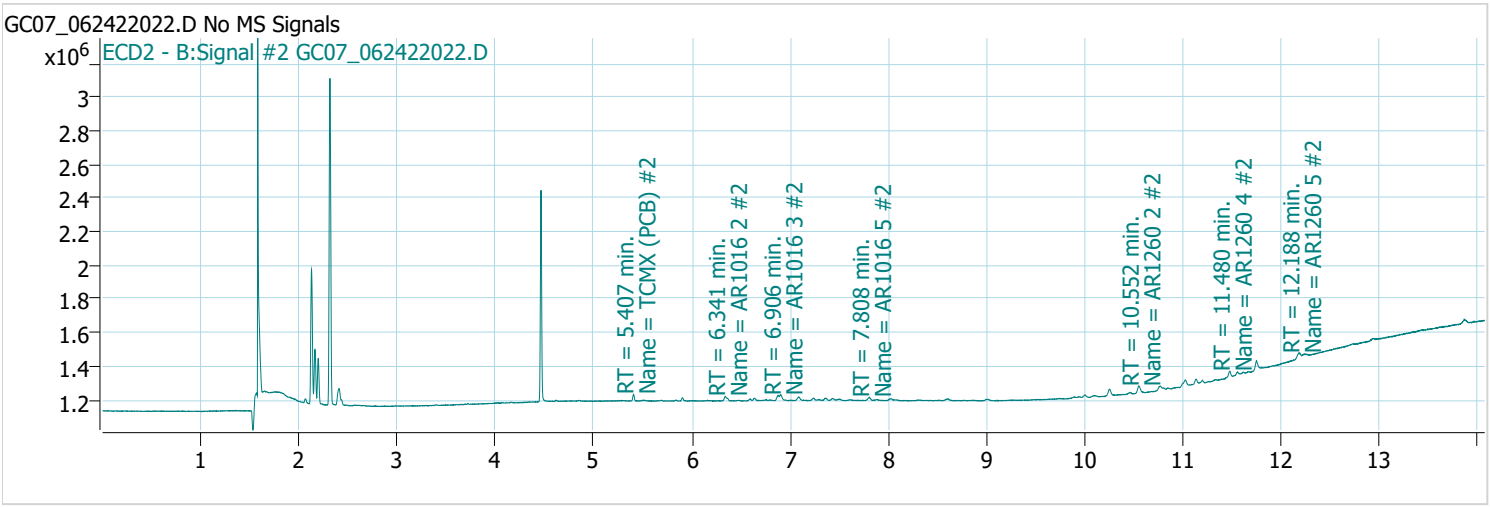
-

Analyst: TRN 06/25/22 **Reviewer:** LW 06/27/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_062422022.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 12:39:35 AM
Sample Name	ICAL, S16726, 100	Instrument	SVOA-GC07
Vial	11	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	20 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



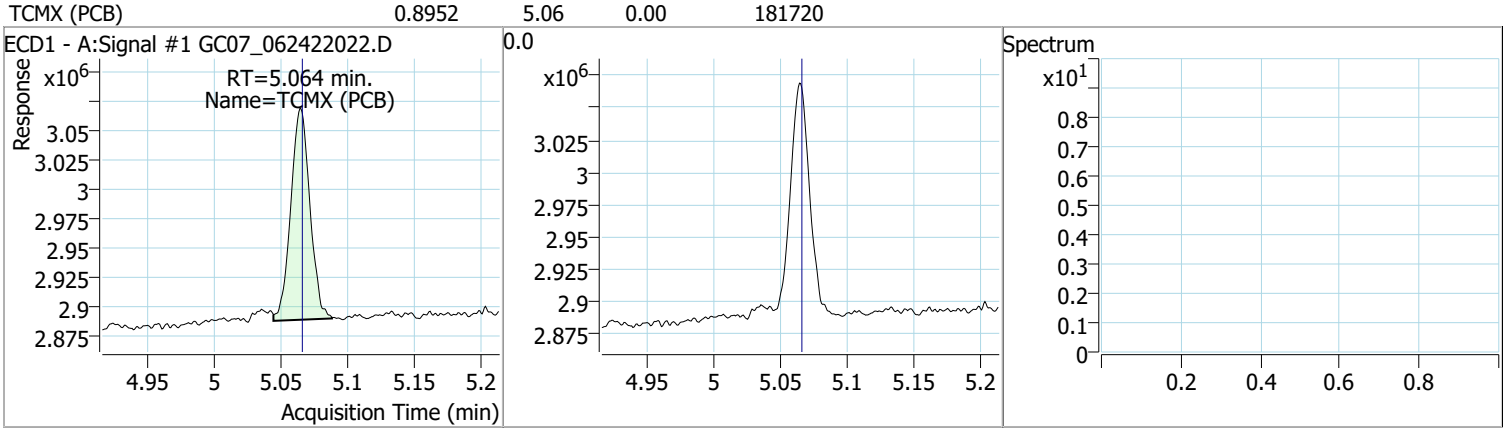


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.276	0.0	4303770.897	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.465	0.0	1146854.232	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.064	0.0	181719.749	0.8952	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.48%		*	
S TCMX (PCB) #2	5.407	0.0	45302.652	0.8704	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.35%		*	
S Decachlorobiphenyl (PCB)	12.520	0.0	226135.319	0.9406	ng/ml	m	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.70%		*	
S Decachlorobiphenyl (PCB) #2	13.865	0.0	66391.652	0.9401	ng/ml		-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.70%		*	
Target Compounds							**QValue**
T AR1016 1	5.415	0.0	100860.719	24.4281	ng/ml	m	100
T AR1016 2	5.760	0.0	217745.698	24.3329	ng/ml		100
T AR1016 1 #2	5.904	0.0	27171.139	23.5260	ng/ml	m	100

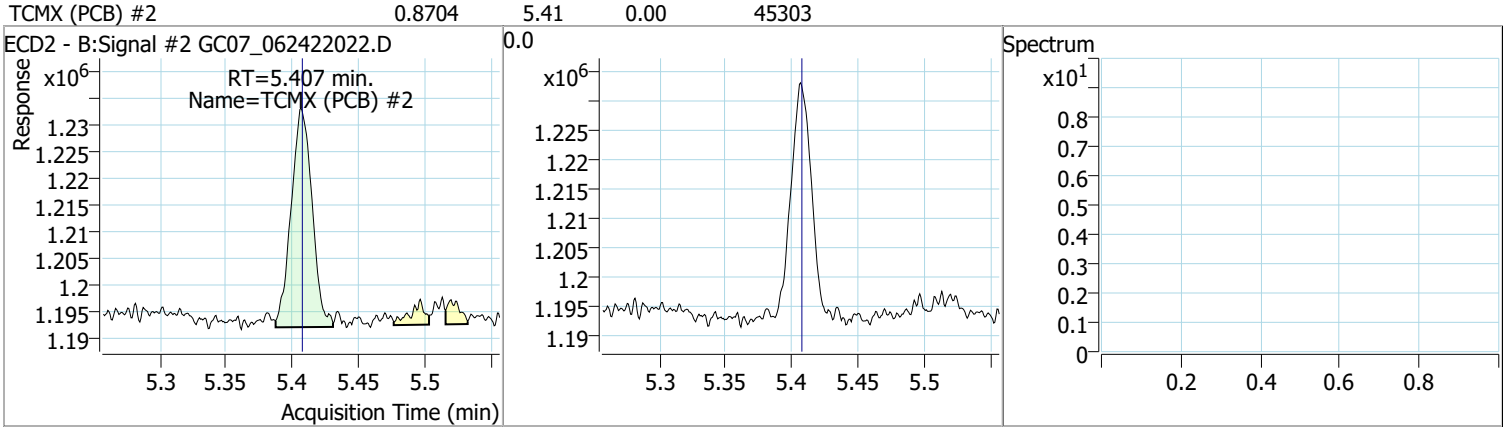
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 3	6.233	0.0	255522.787	24.6587	ng/ml		100
T AR1016 2 #2	6.341	0.0	59680.736	23.7307	ng/ml		100
T AR1016 4	6.373	0.0	177597.647	23.8332	ng/ml	m	100
T AR1016 5	6.846	0.0	144985.805	23.3584	ng/ml	m	100
T AR1016 3 #2	6.906	0.0	69844.980	24.2114	ng/ml		100
T AR1016 4 #2	7.088	0.0	44096.916	22.0245	ng/ml		100
T AR1016 5 #2	7.808	0.0	37691.872	22.5363	ng/ml		100
T AR1260 1	8.805	0.0	312835.640	23.8666	ng/ml		100
T AR1260 2	9.395	0.0	434770.610	23.1062	ng/ml		100
T AR1260 3	9.910	0.0	424711.927	22.2736	ng/ml		100
T AR1260 1 #2	10.254	0.0	84960.268	23.3914	ng/ml		100
T AR1260 4	10.465	0.0	231834.804	23.7836	ng/ml		100
T AR1260 2 #2	10.552	0.0	89110.774	22.0828	ng/ml		100
T AR1260 3 #2	11.026	0.0	94341.595	18.9942	ng/ml		100
T AR1260 5	11.233	0.0	163315.289	18.2491	ng/ml		100
T AR1260 4 #2	11.480	0.0	58077.973	20.8410	ng/ml		100
T AR1260 5 #2	12.188	0.0	84370.198	21.0683	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

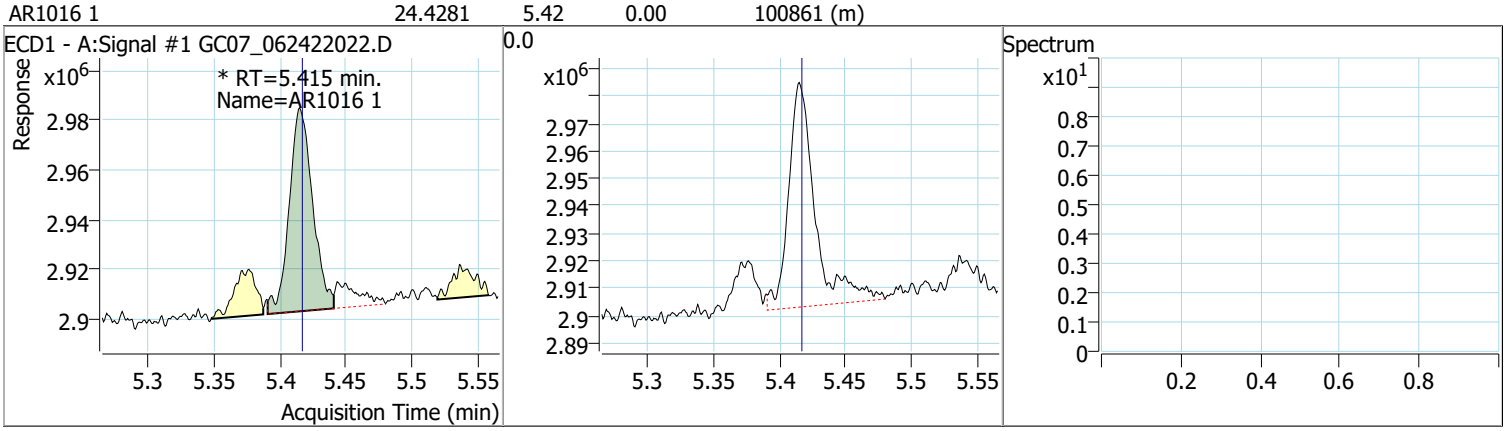
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	0.8952	5.06	0.00	181720				



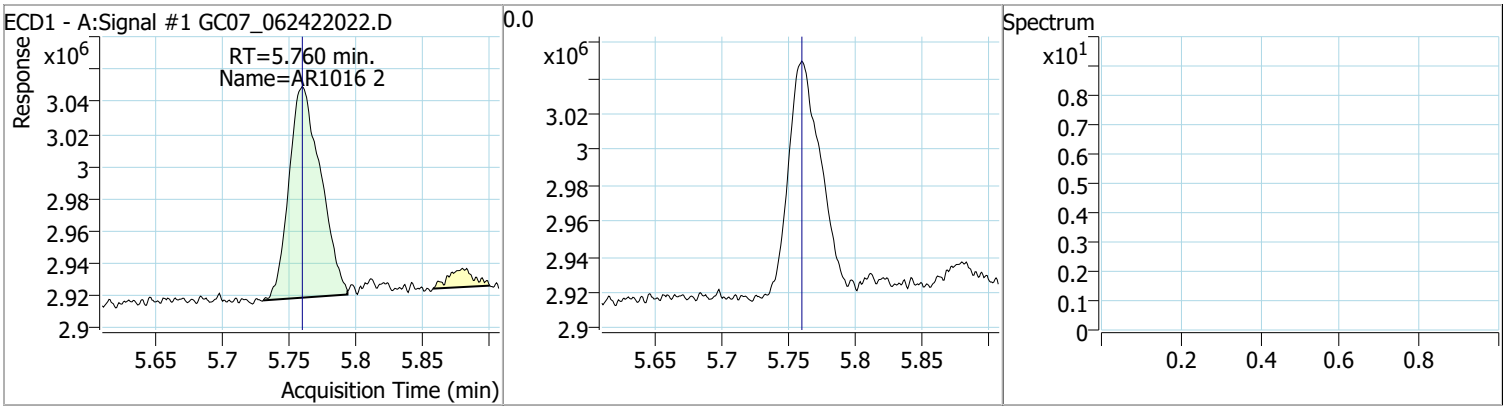
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	0.8704	5.41	0.00	45303				



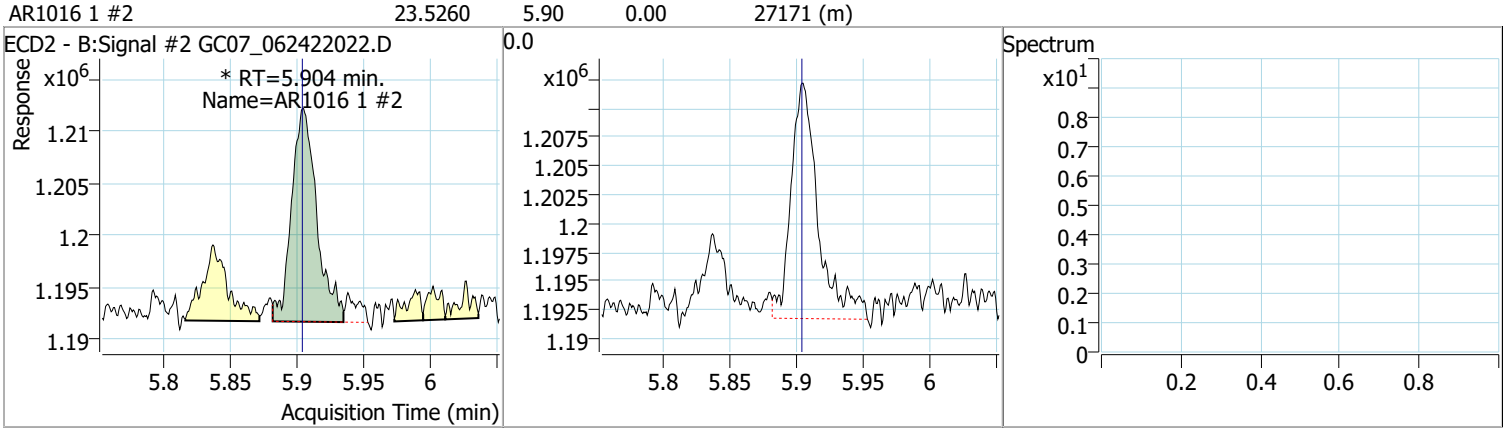
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	24.4281	5.42	0.00	100861 (m)				



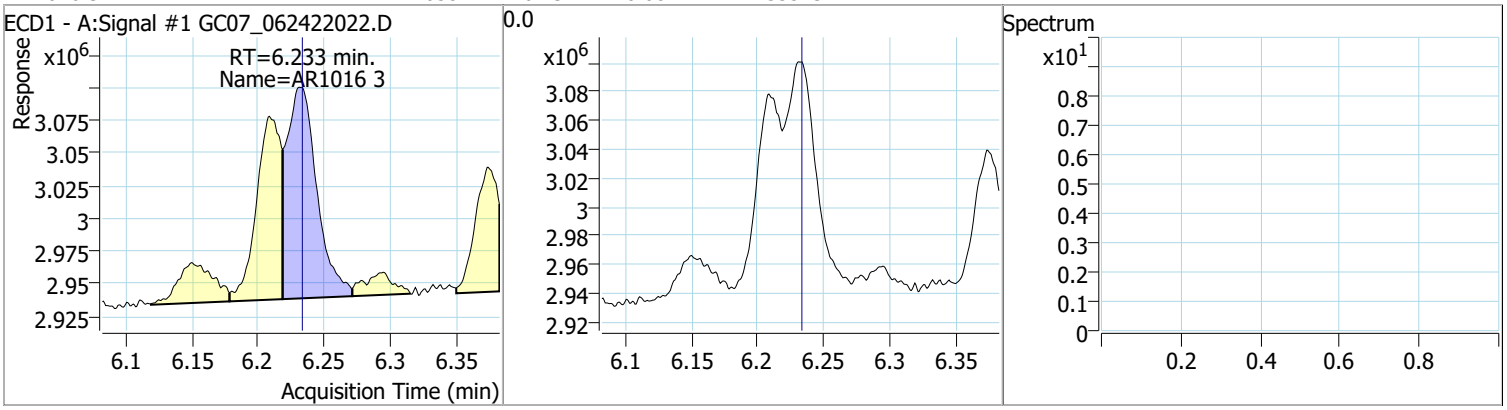
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	24.3329	5.76	0.00	217746				



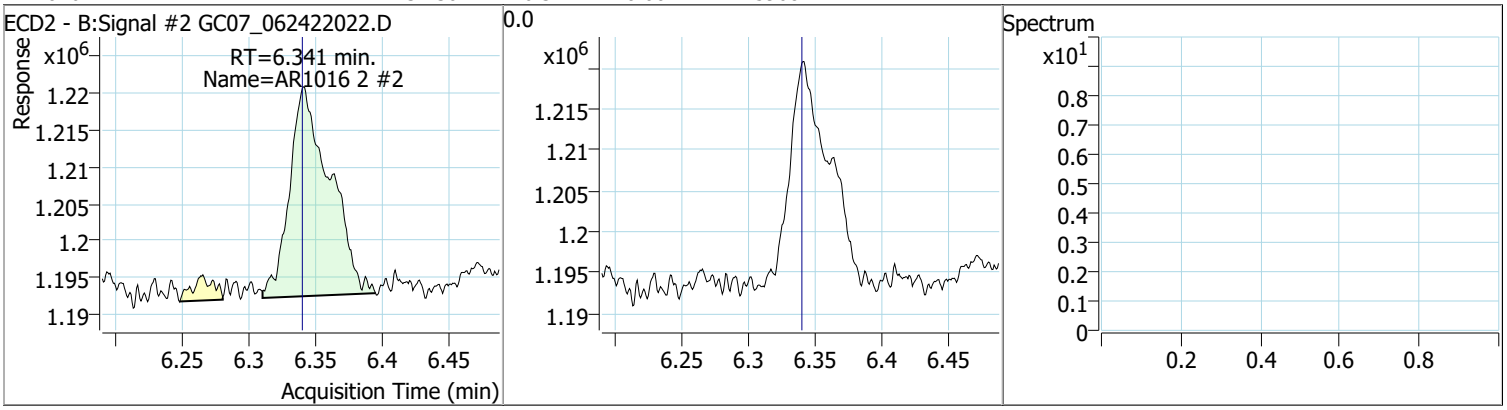
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	23.5260	5.90	0.00	27171 (m)				



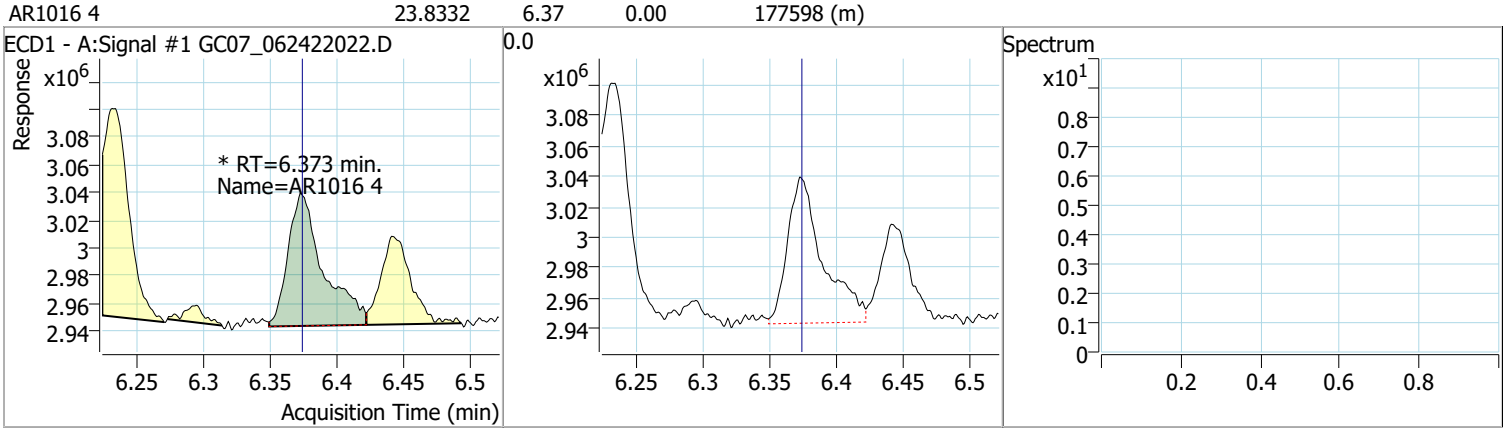
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	24.6587	6.23	0.00	255523				



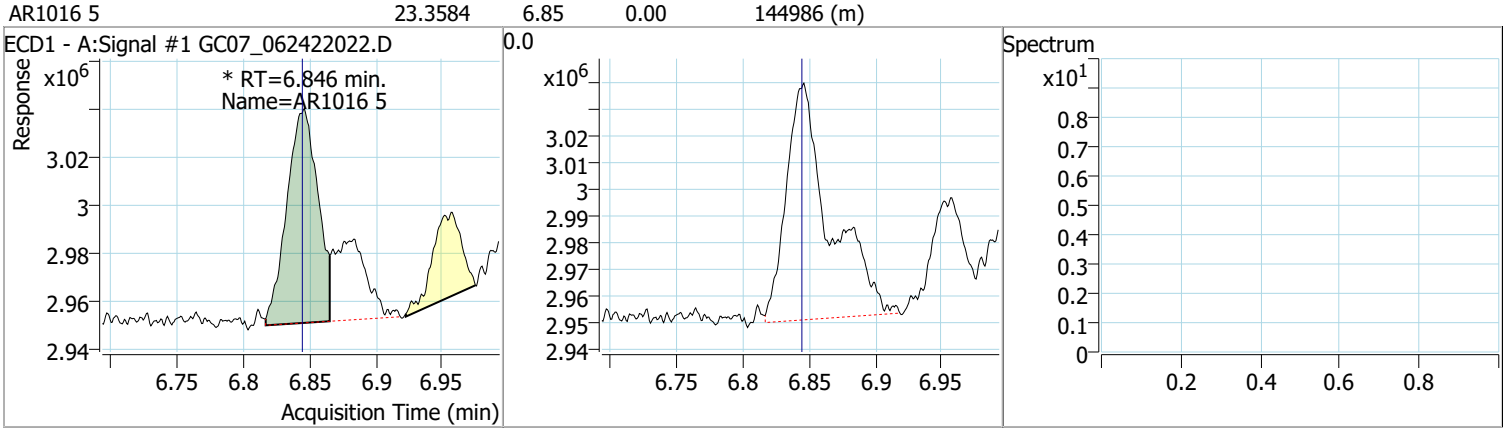
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	23.7307	6.34	0.00	59681				



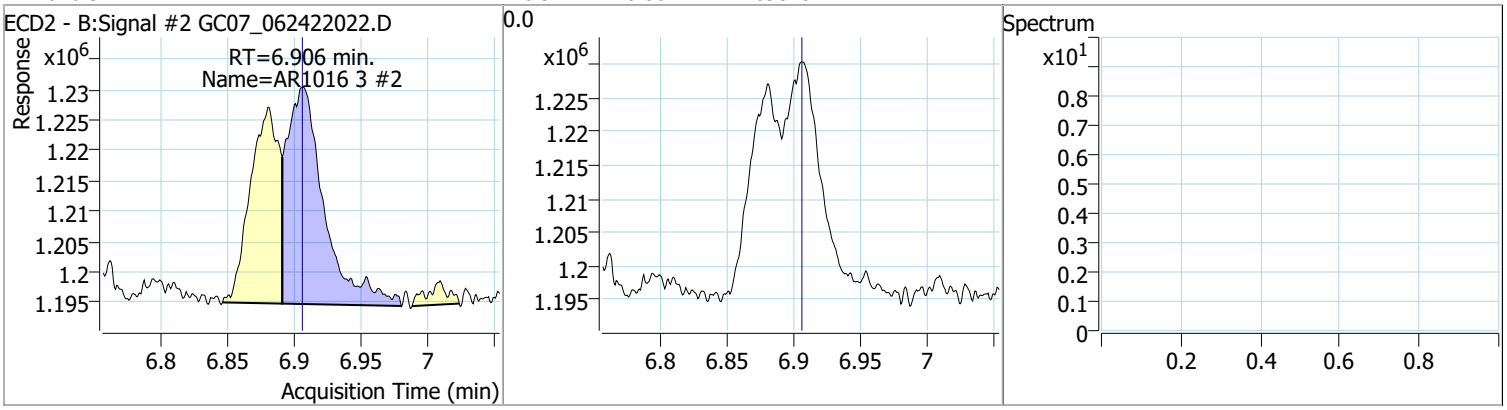
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	23.8332	6.37	0.00	177598 (m)				



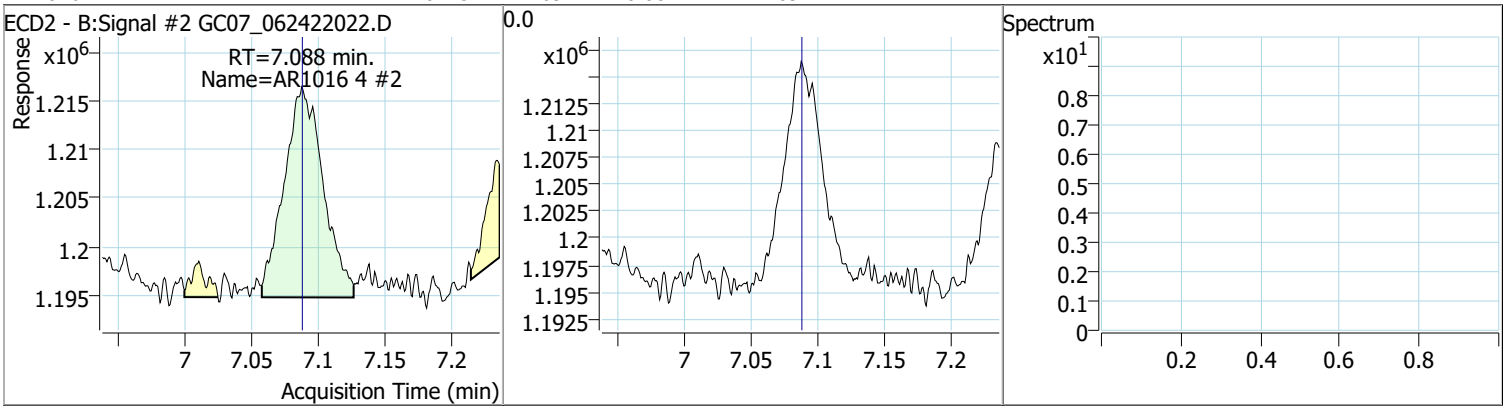
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	23.3584	6.85	0.00	144986 (m)				



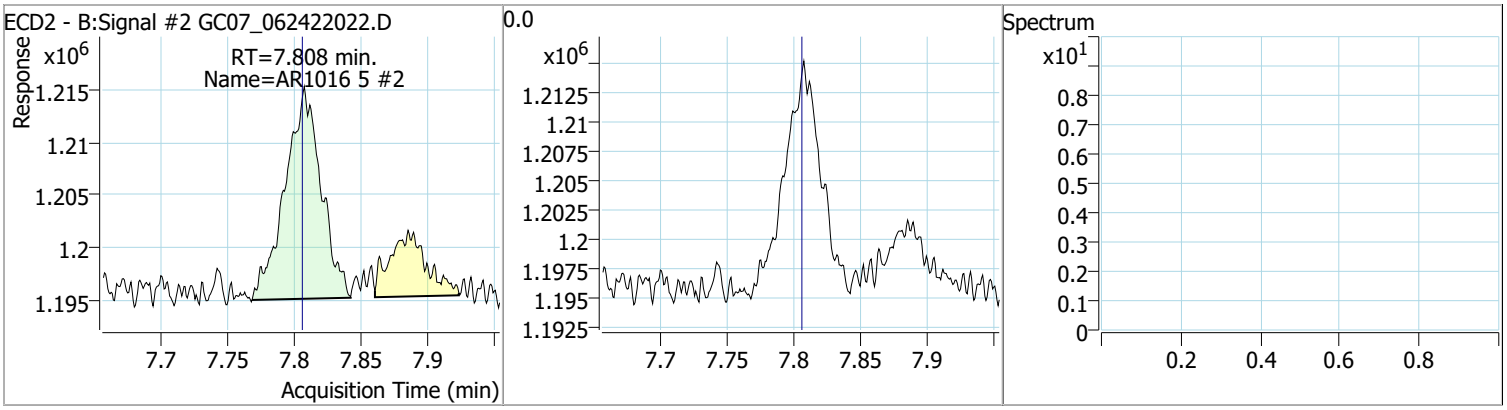
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	24.2114	6.91	0.00	69845				



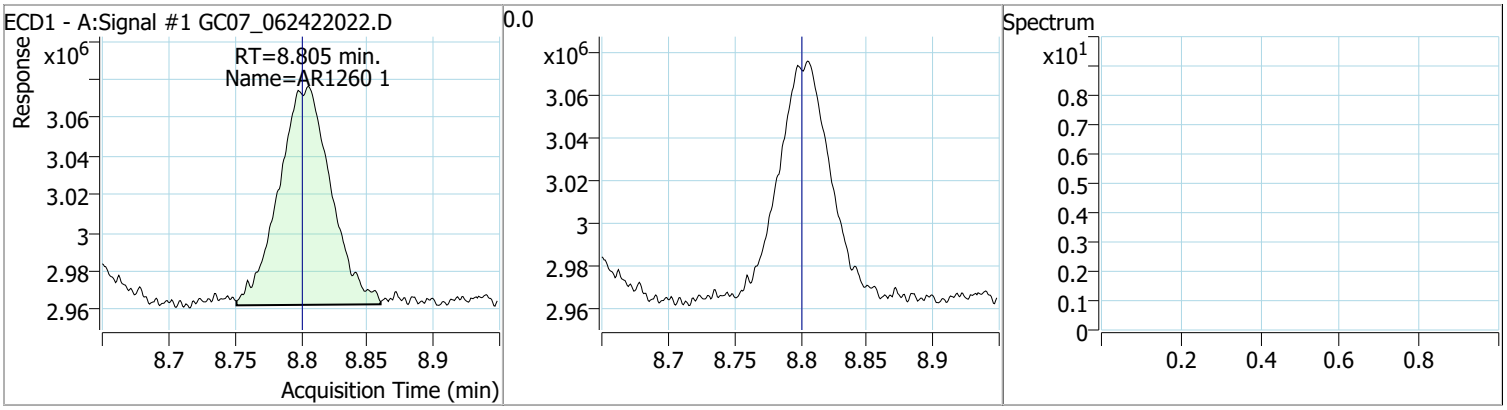
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	22.0245	7.09	0.00	44097				



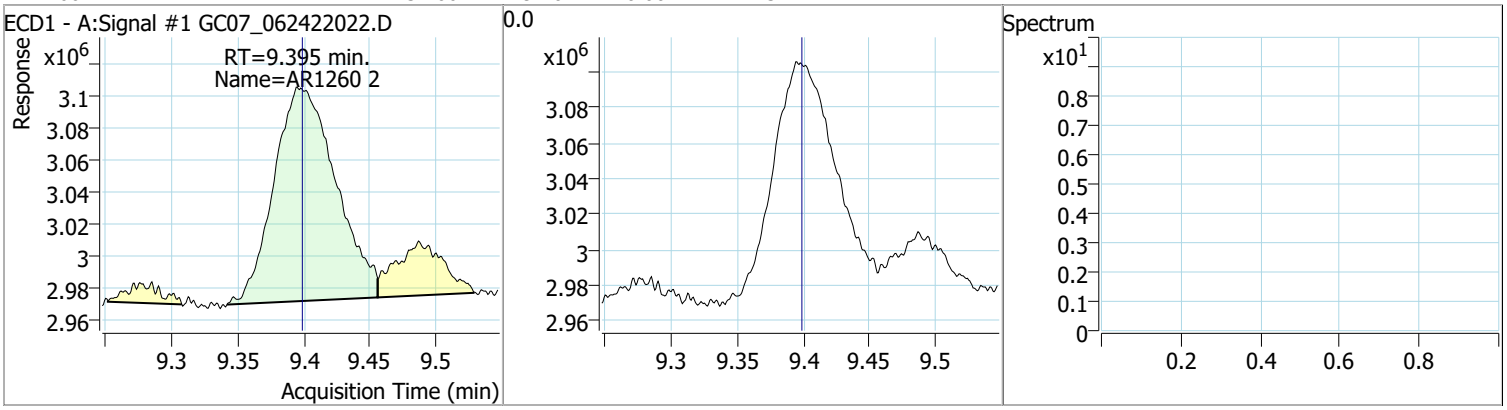
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	22.5363	7.81	0.00	37692				



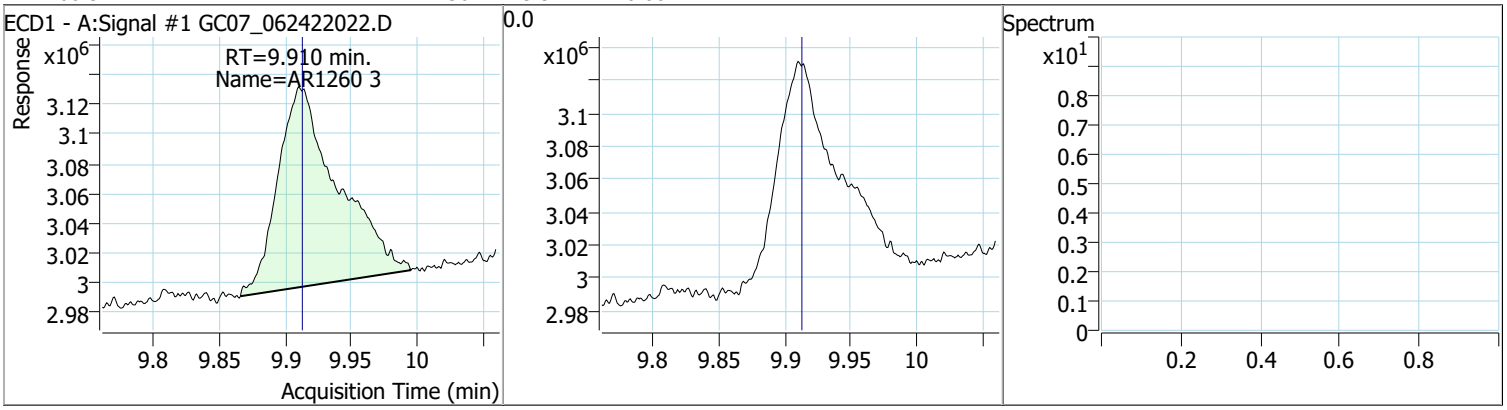
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	23.8666	8.81	0.01	312836				



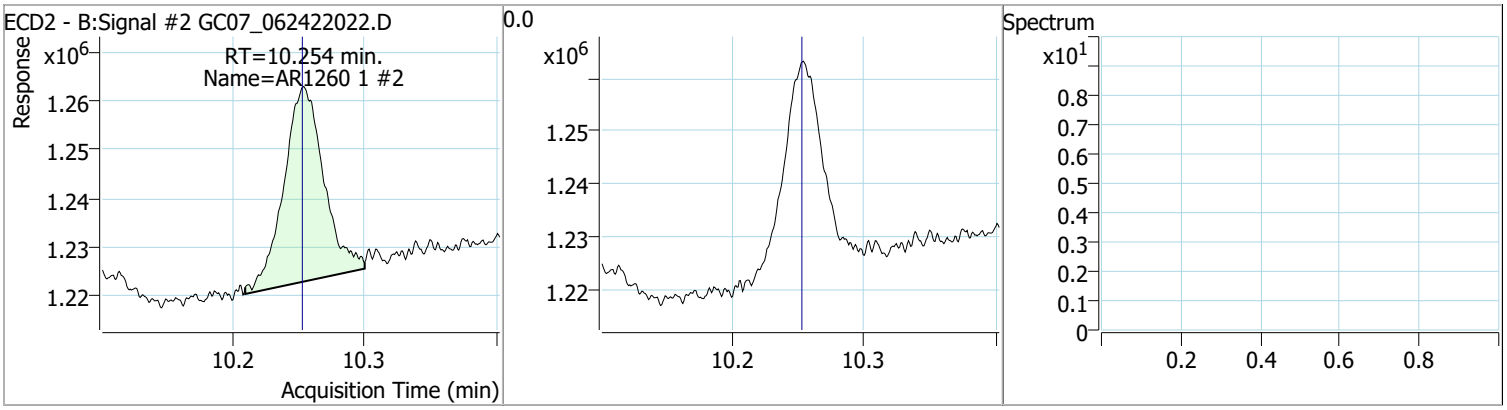
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	23.1062	9.40	0.00	434771				



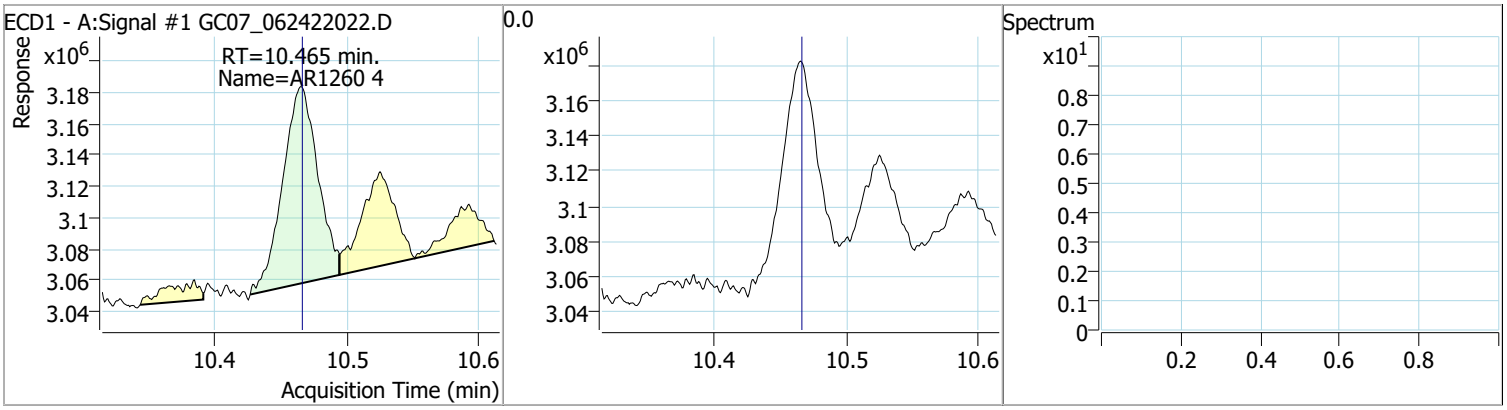
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	22.2736	9.91	0.00	424712				



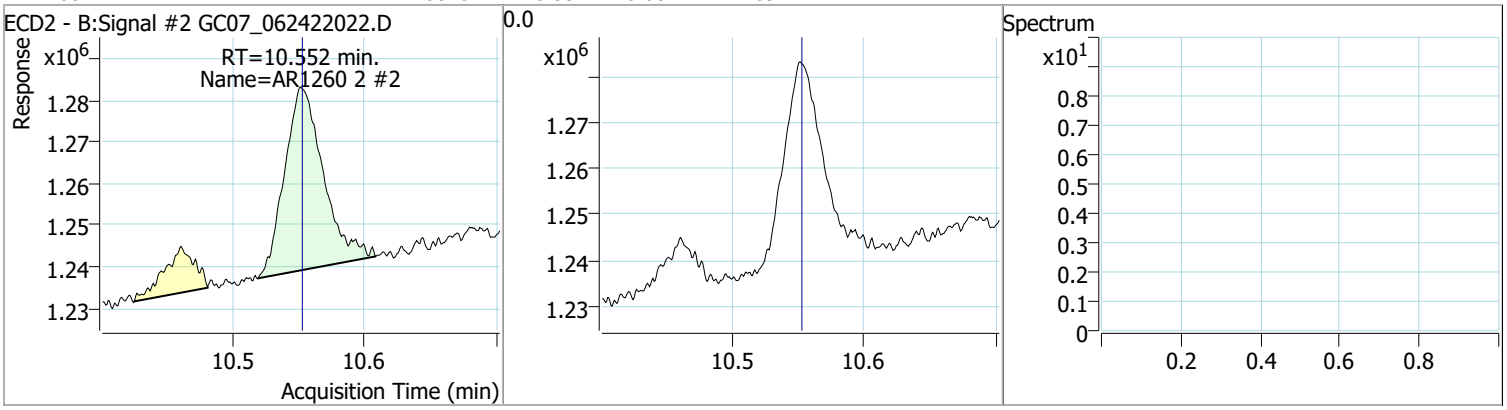
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	23.3914	10.25	0.00	84960				



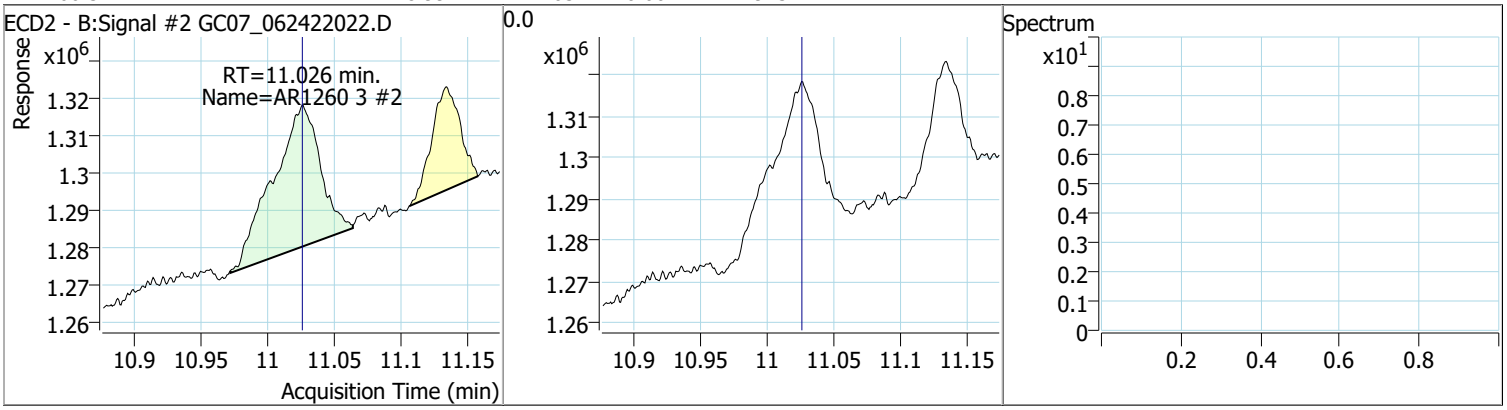
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	23.7836	10.47	0.00	231835				



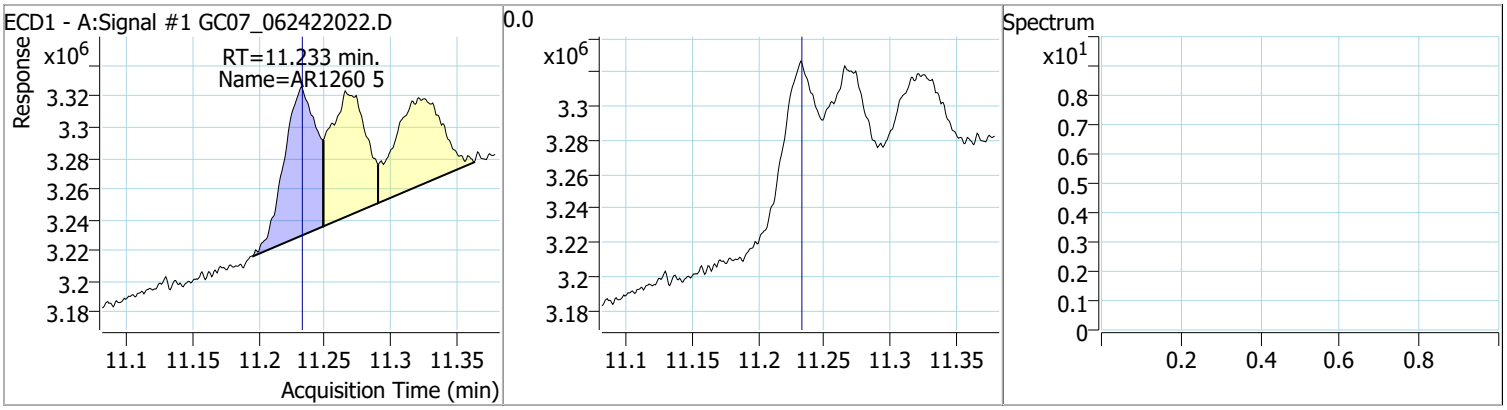
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	22.0828	10.55	0.00	89111				



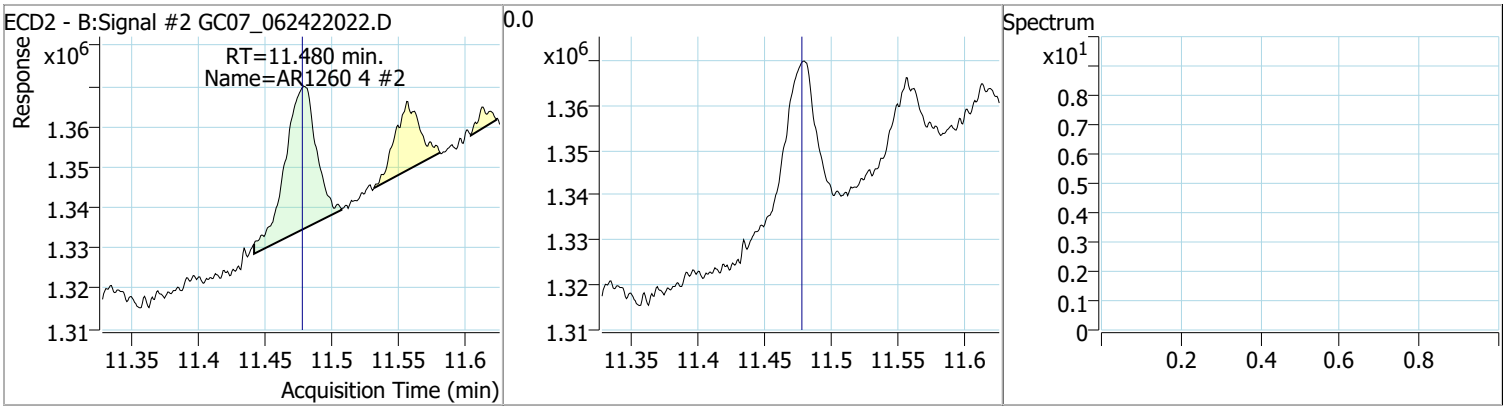
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	18.9942	11.03	0.00	94342				



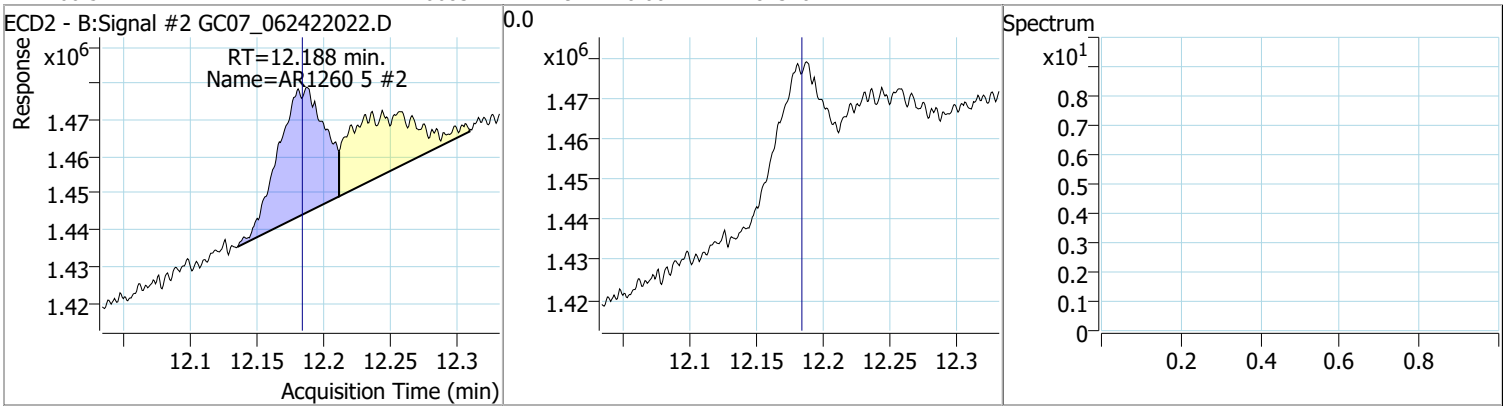
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	18.2491	11.23	0.00	163315				



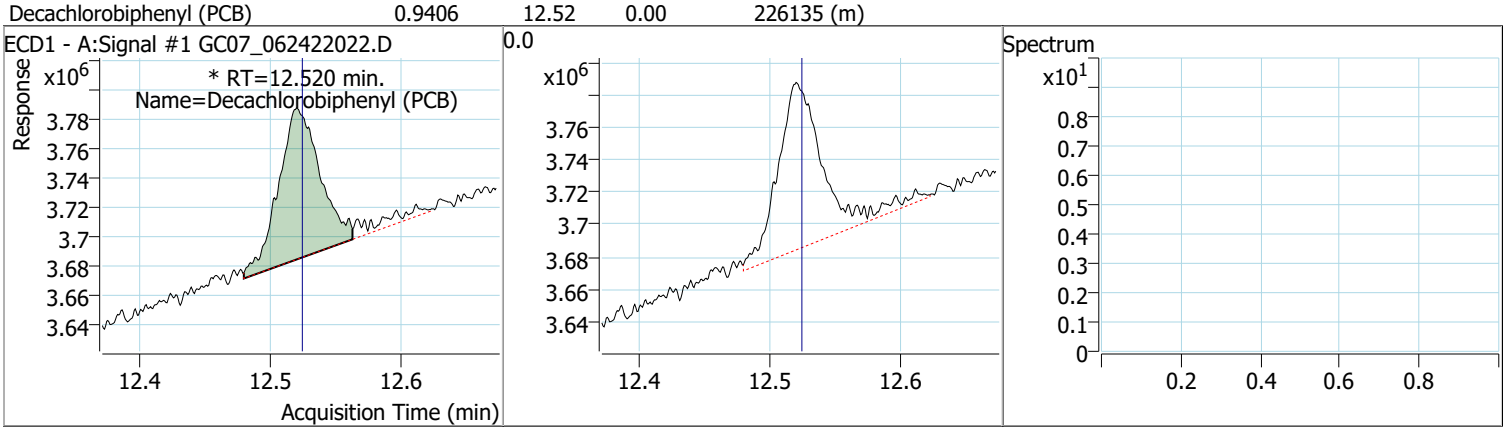
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	20.8410	11.48	0.00	58078				



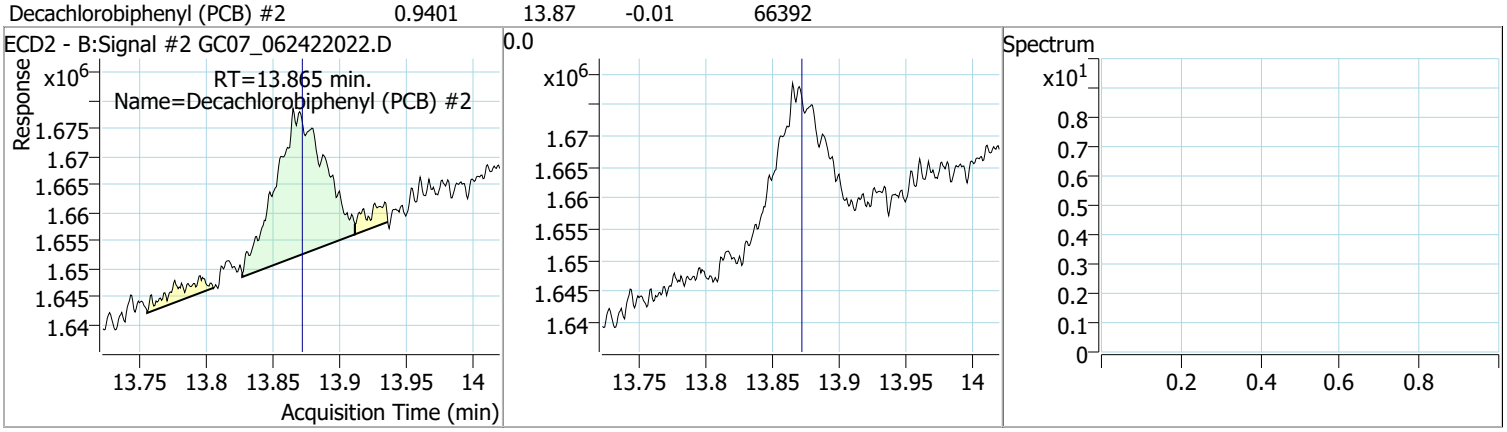
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	21.0683	12.19	0.00	84370				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	0.9406	12.52	0.00	226135 (m)				

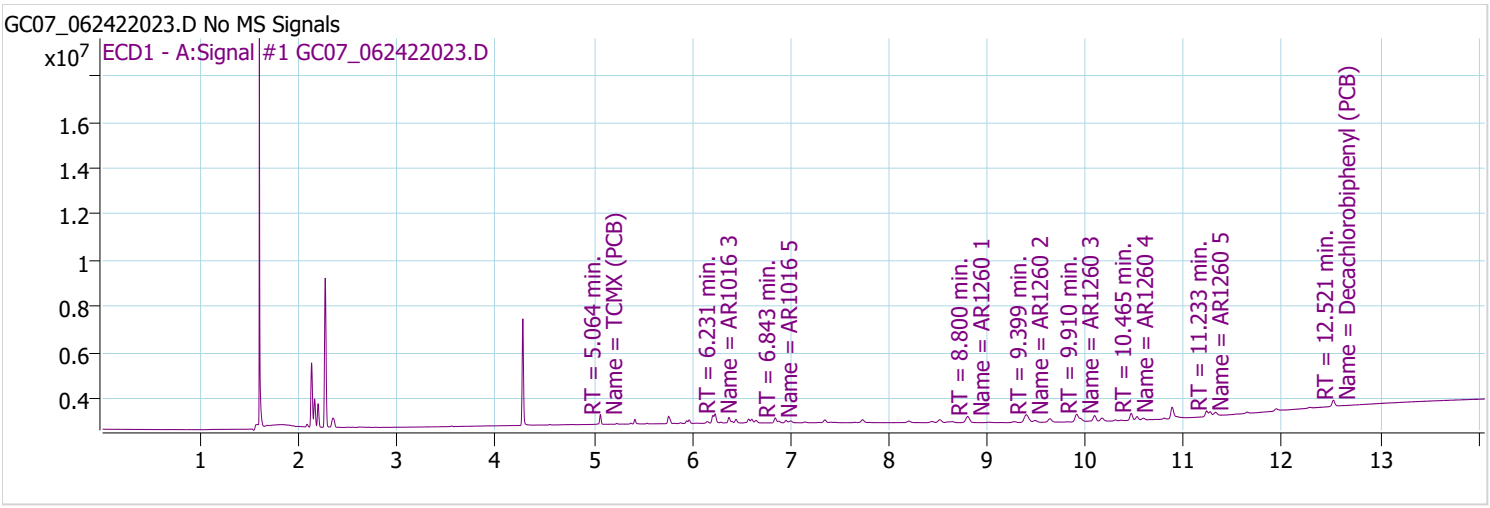


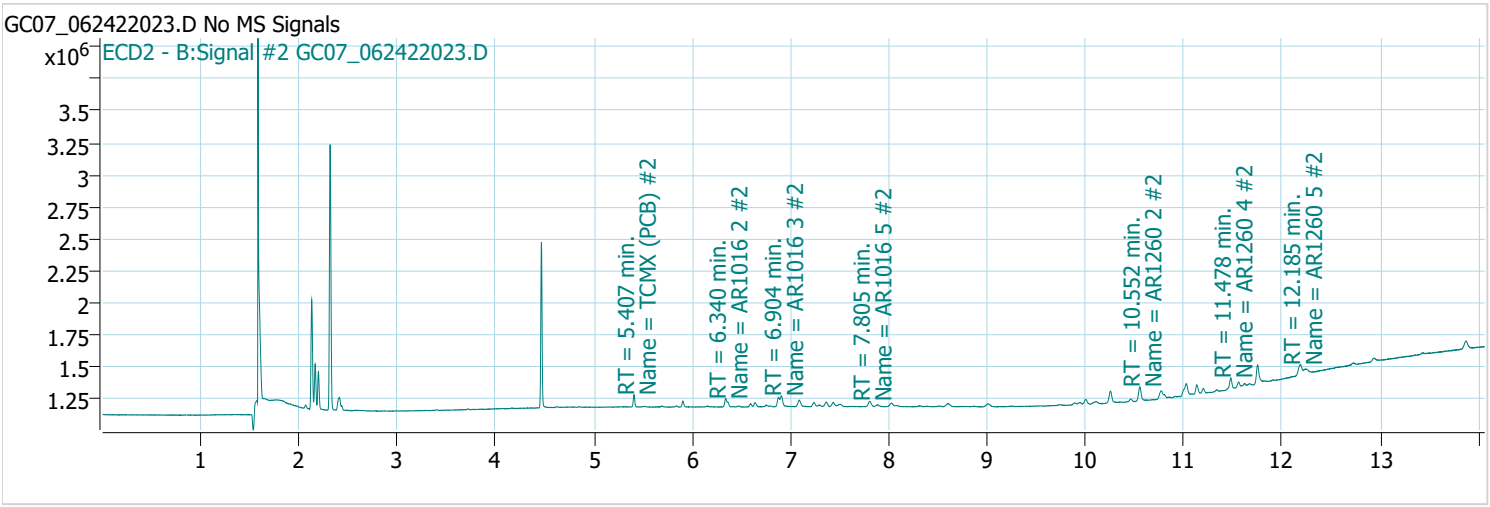
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	0.9401	13.87	-0.01	66392				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422023.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 12:57:06 AM
Sample Name	ICAL, S16726, 40	Instrument	SVOA-GC07
Vial	12	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	50 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



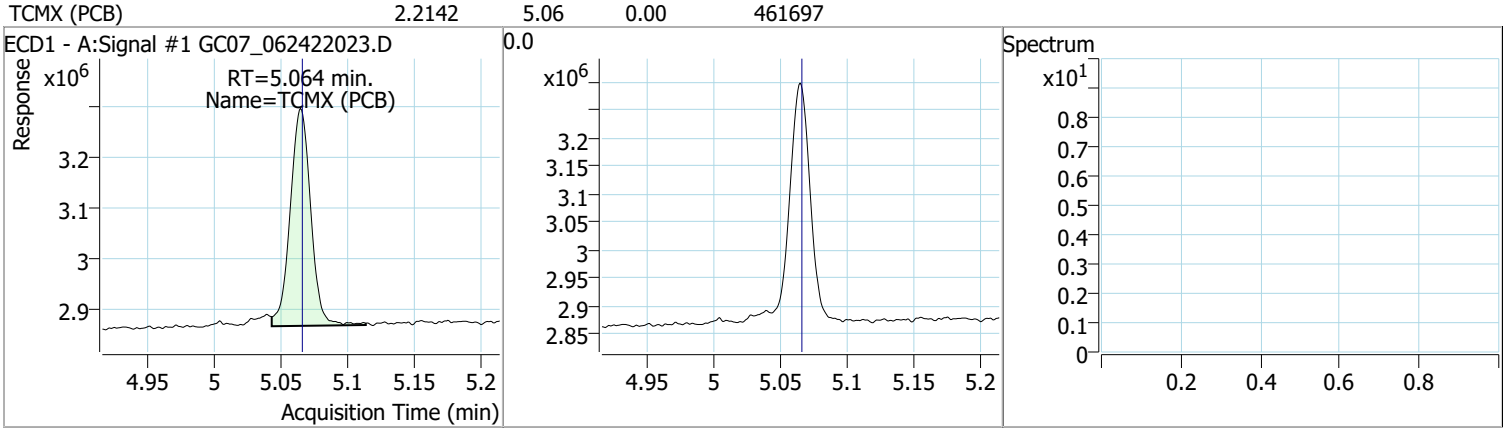


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.275	0.0	4421081.238	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.464	0.0	1166029.162	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.064	0.0	461696.881	2.2142	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 11.07%		*	
S TCMX (PCB) #2	5.407	0.0	103612.107	1.9580	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 9.79%		*	
S Decachlorobiphenyl (PCB)	12.521	0.0	553575.109	2.2415	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 11.21%		*	
S Decachlorobiphenyl (PCB) #2	13.874	0.0	166632.232	2.3208	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 11.60%		*	
Target Compounds							QValue
T AR1016 1	5.416	0.0	237850.351	56.0780	ng/ml		100
T AR1016 2	5.758	0.0	534537.195	58.1490	ng/ml		100
T AR1016 1 #2	5.903	0.0	60136.646	51.2128	ng/ml		100

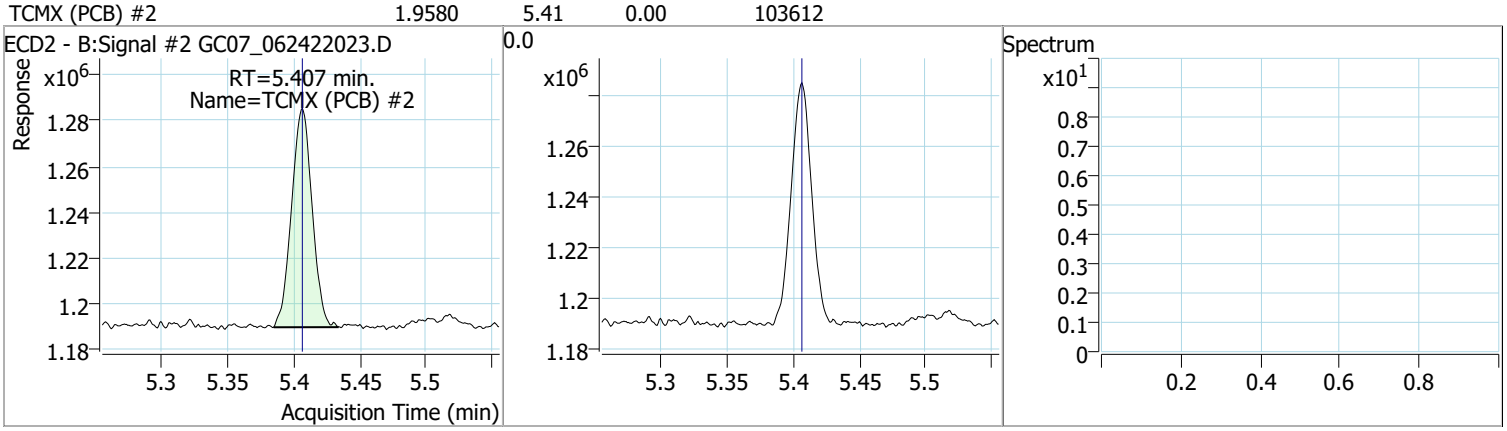
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 3	6.231	0.0	599053.673	56.2764	ng/ml		100
T AR1016 2 #2	6.340	0.0	136866.628	53.5269	ng/ml		100
T AR1016 4	6.373	0.0	425242.429	55.5522	ng/ml		100
T AR1016 5	6.843	0.0	356105.605	55.8492	ng/ml		100
T AR1016 3 #2	6.904	0.0	153954.877	52.4901	ng/ml		100
T AR1016 4 #2	7.088	0.0	110455.001	54.2604	ng/ml	m	100
T AR1016 5 #2	7.805	0.0	92592.611	54.4514	ng/ml		100
T AR1260 1	8.800	0.0	762811.285	56.6516	ng/ml		100
T AR1260 2	9.399	0.0	1080530.411	55.9018	ng/ml		100
T AR1260 3	9.910	0.0	1052709.932	53.7435	ng/ml		100
T AR1260 1 #2	10.252	0.0	191092.109	51.7466	ng/ml		100
T AR1260 4	10.465	0.0	555278.694	55.4537	ng/ml		100
T AR1260 2 #2	10.552	0.0	214360.496	52.2477	ng/ml		100
T AR1260 3 #2	11.024	0.0	252189.870	49.9394	ng/ml		100
T AR1260 5	11.233	0.0	443921.654	48.2882	ng/ml		100
T AR1260 4 #2	11.478	0.0	151432.269	53.4472	ng/ml		100
T AR1260 5 #2	12.185	0.0	211880.137	52.0391	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

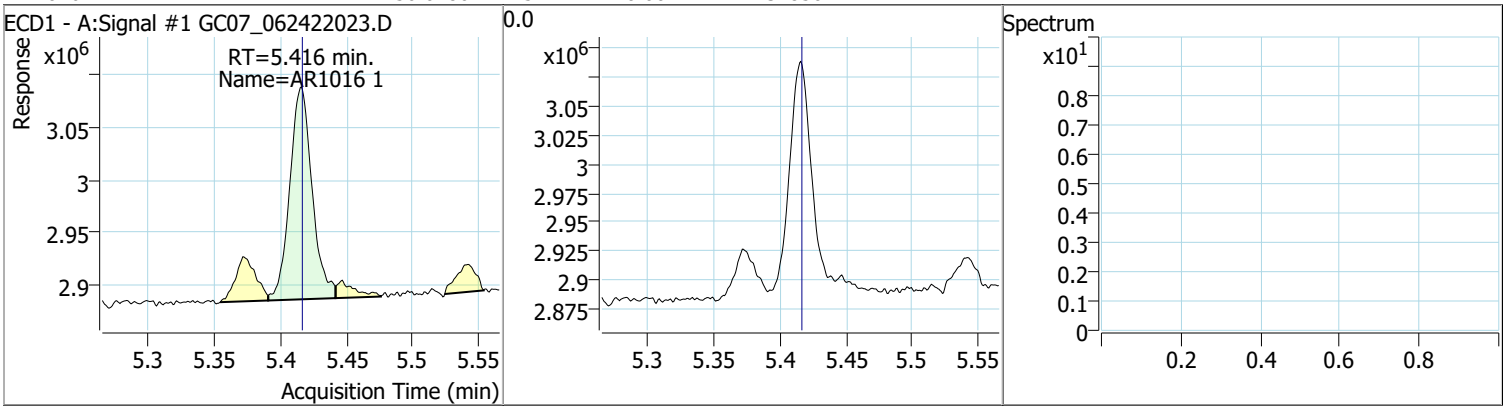
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	2.2142	5.06	0.00	461697				



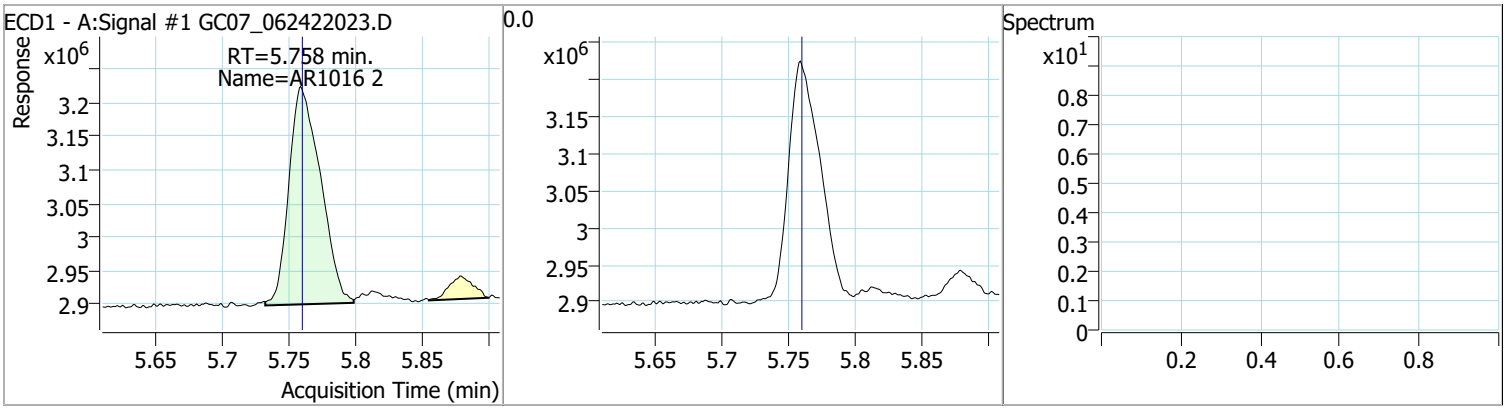
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	1.9580	5.41	0.00	103612				



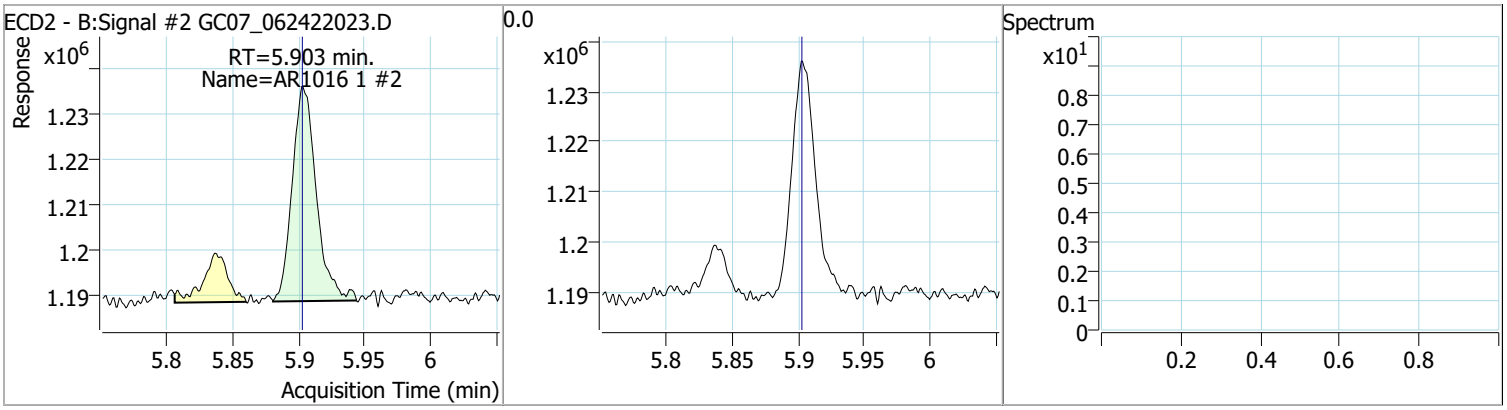
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	56.0780	5.42	0.00	237850				



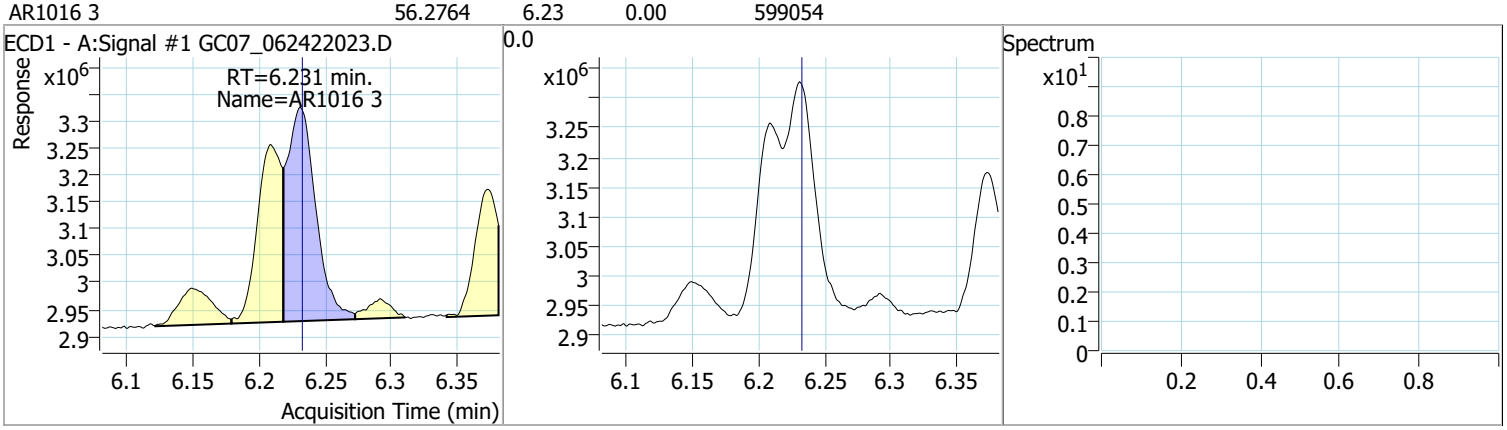
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	58.1490	5.76	0.00	534537				



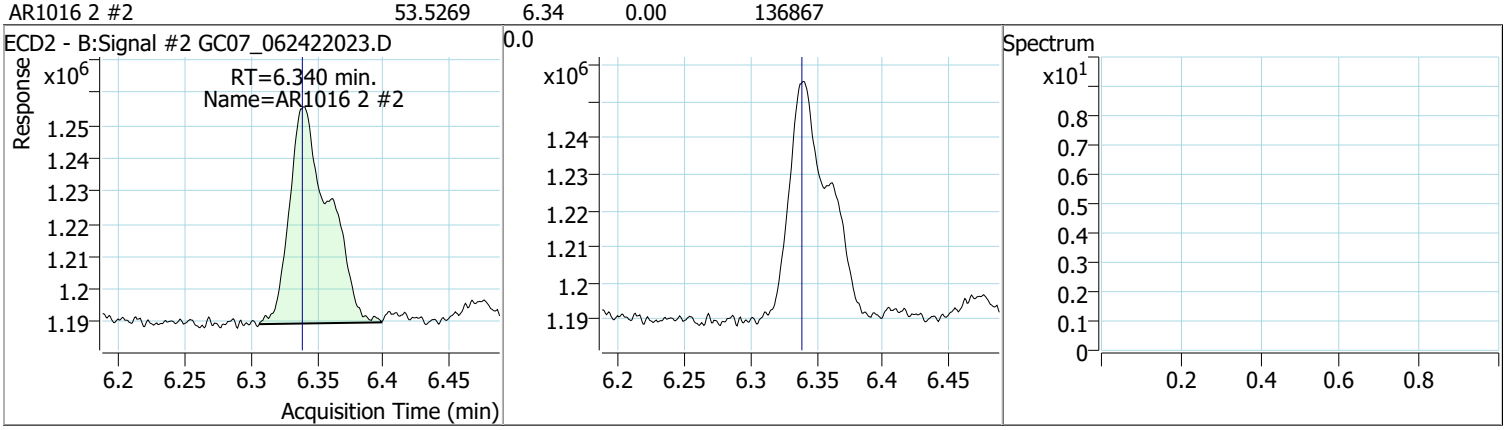
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	51.2128	5.90	0.00	60137				



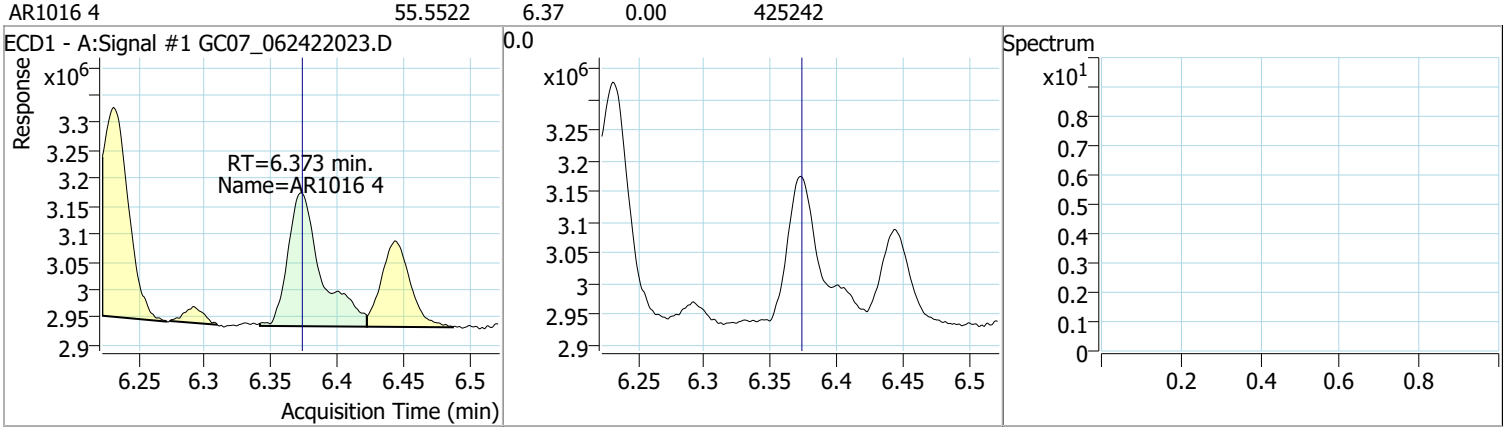
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	56.2764	6.23	0.00	599054				



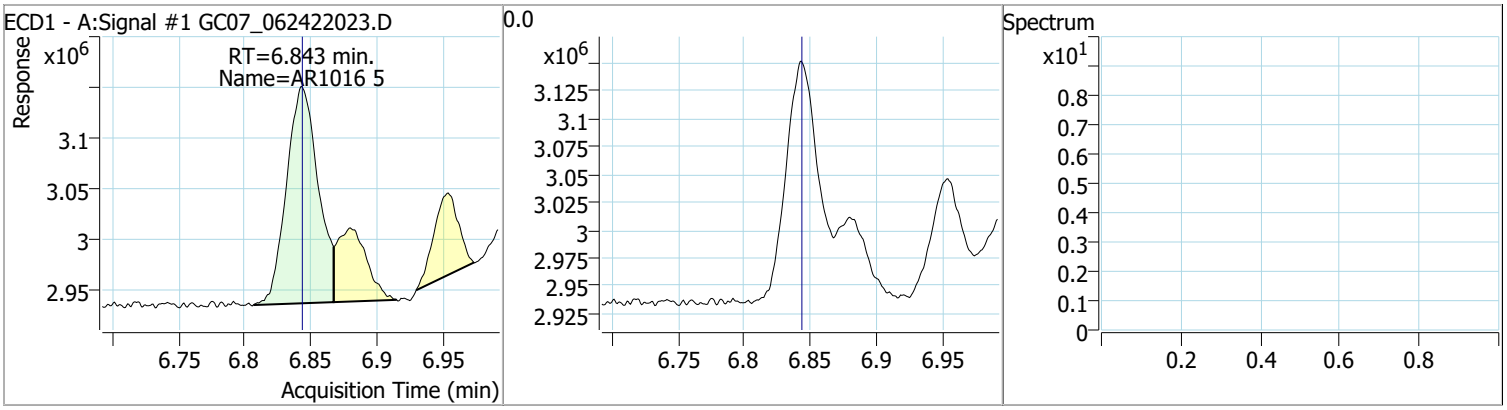
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	53.5269	6.34	0.00	136867				



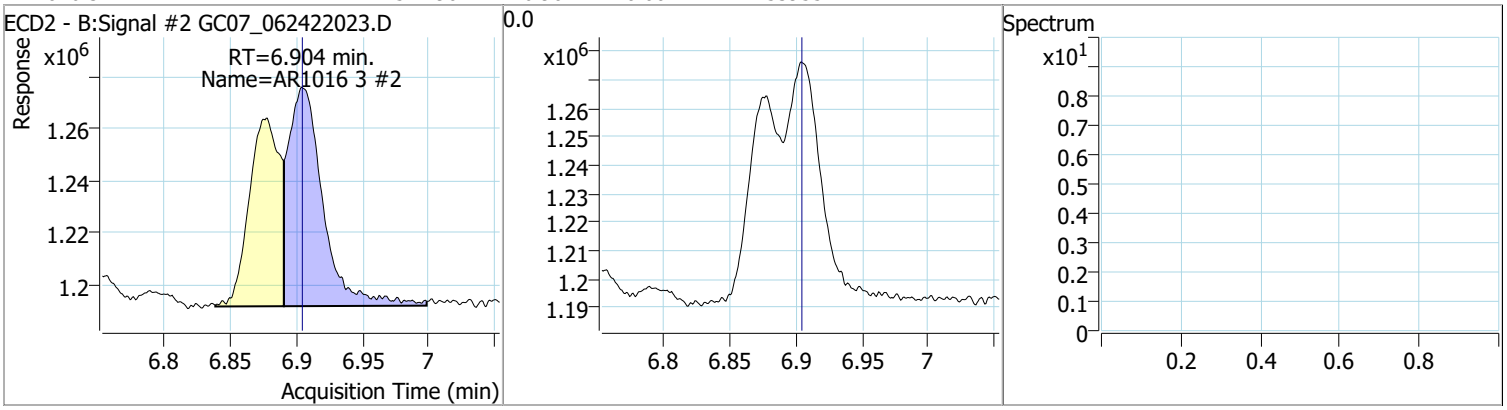
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	55.5522	6.37	0.00	425242				



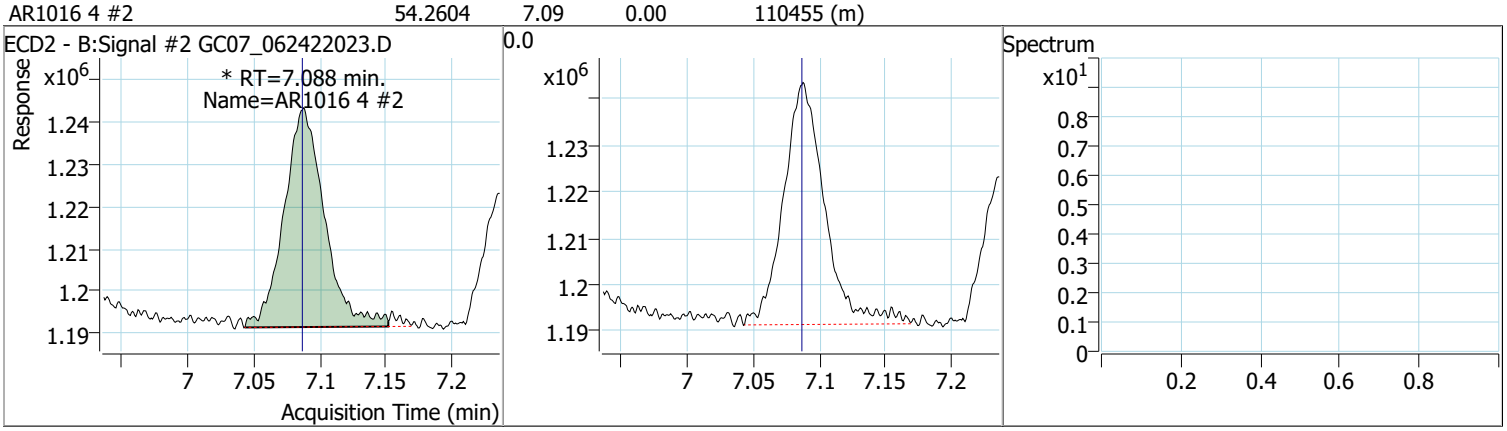
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	55.8492	6.84	0.00	356106				



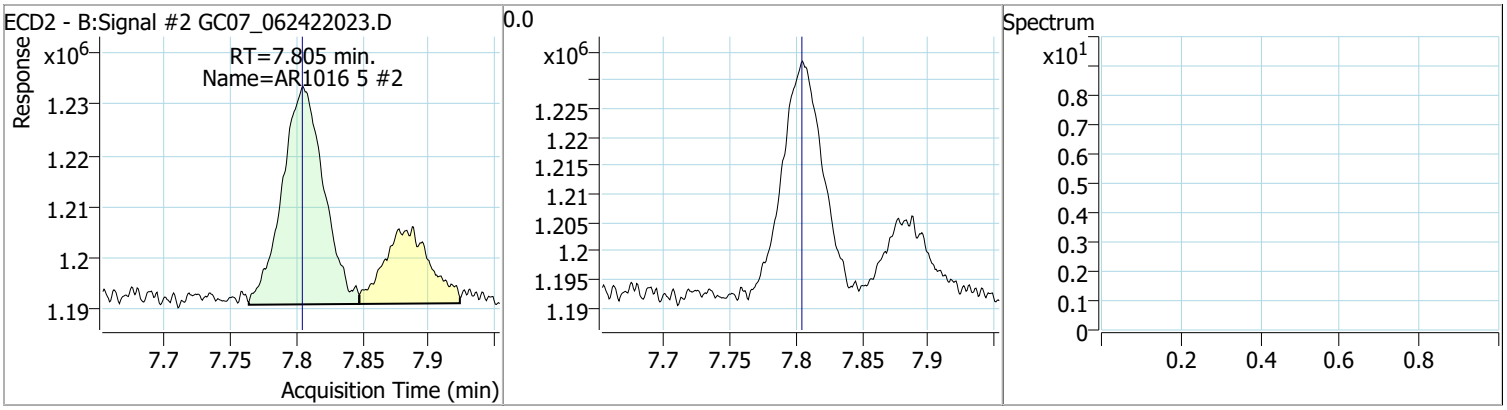
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	52.4901	6.90	0.00	153955				



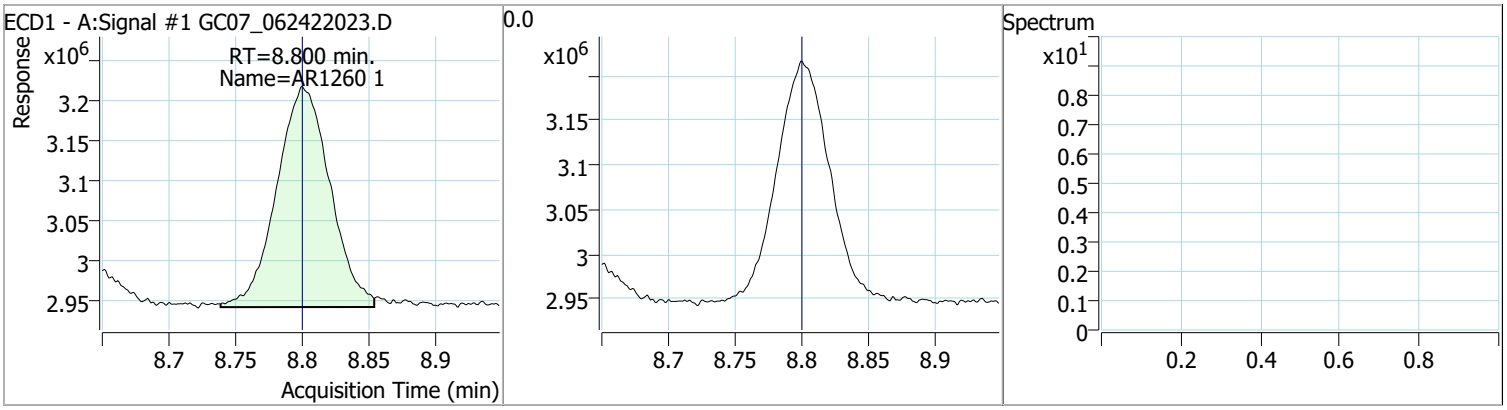
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	54.2604	7.09	0.00	110455 (m)				



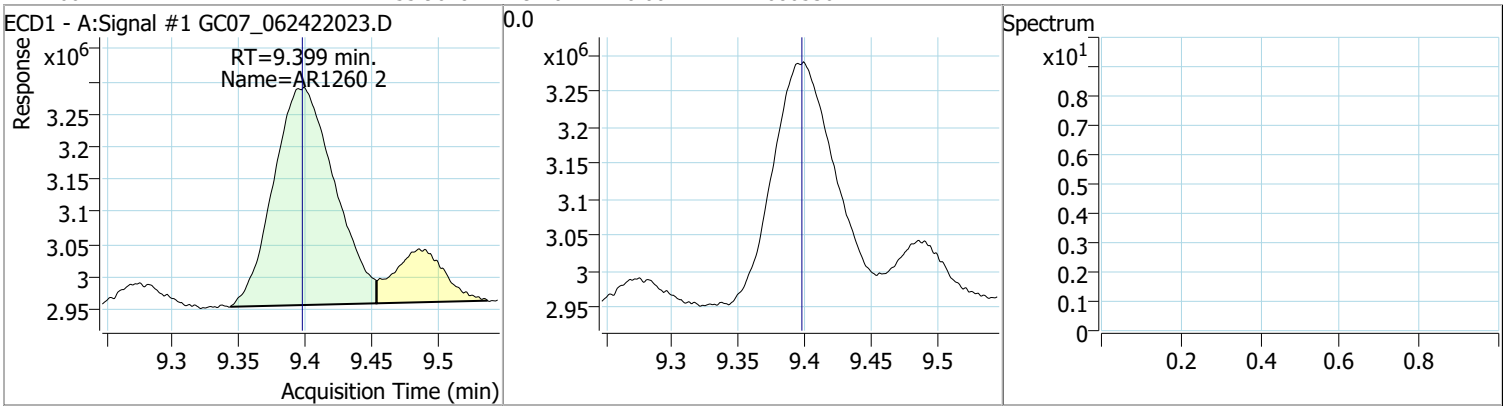
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	54.4514	7.81	0.00	92593				



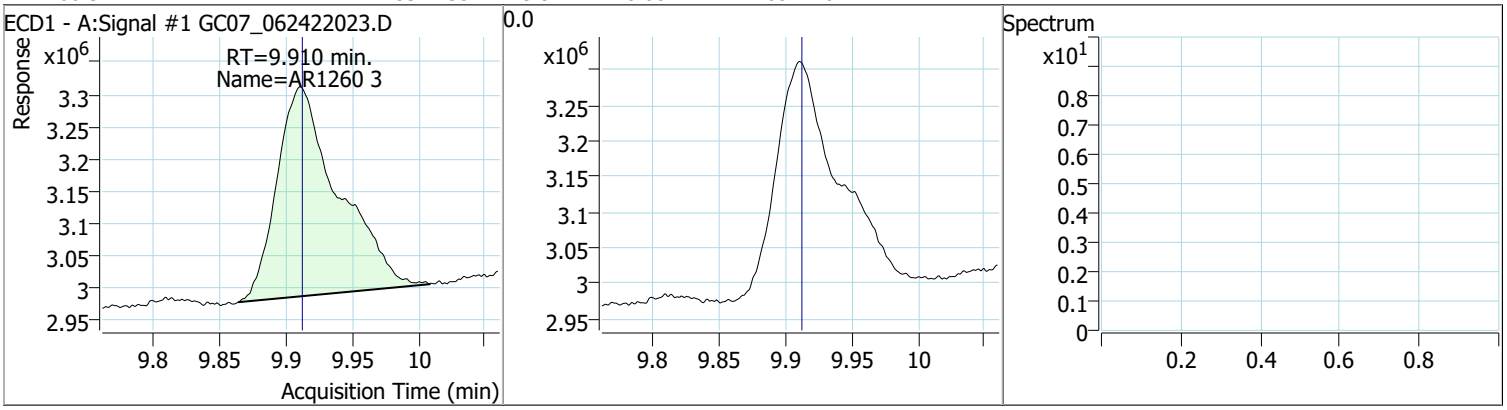
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	56.6516	8.80	0.00	762811				



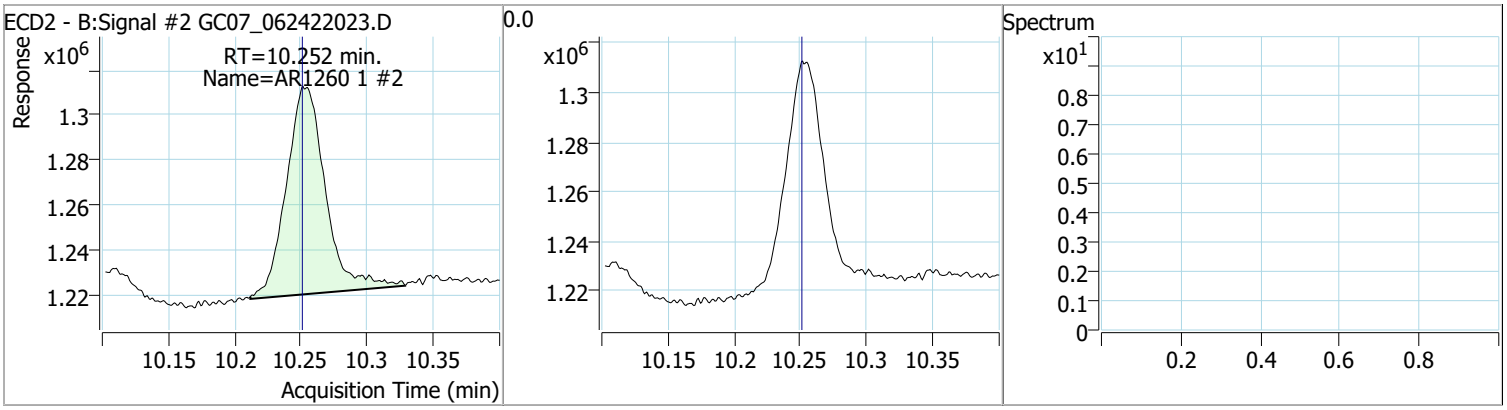
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	55.9018	9.40	0.00	1080530				



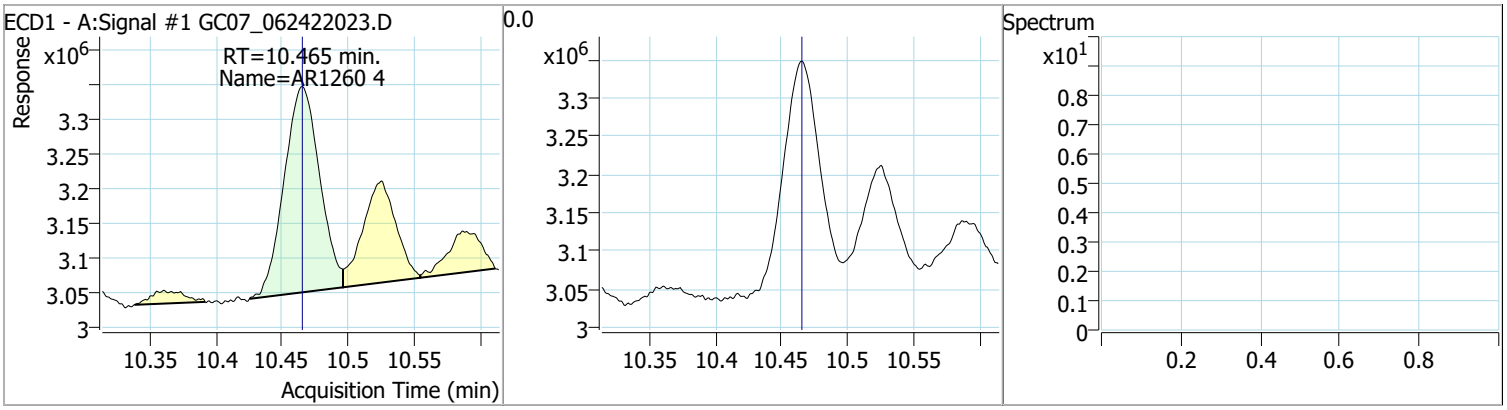
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	53.7435	9.91	0.00	1052710				



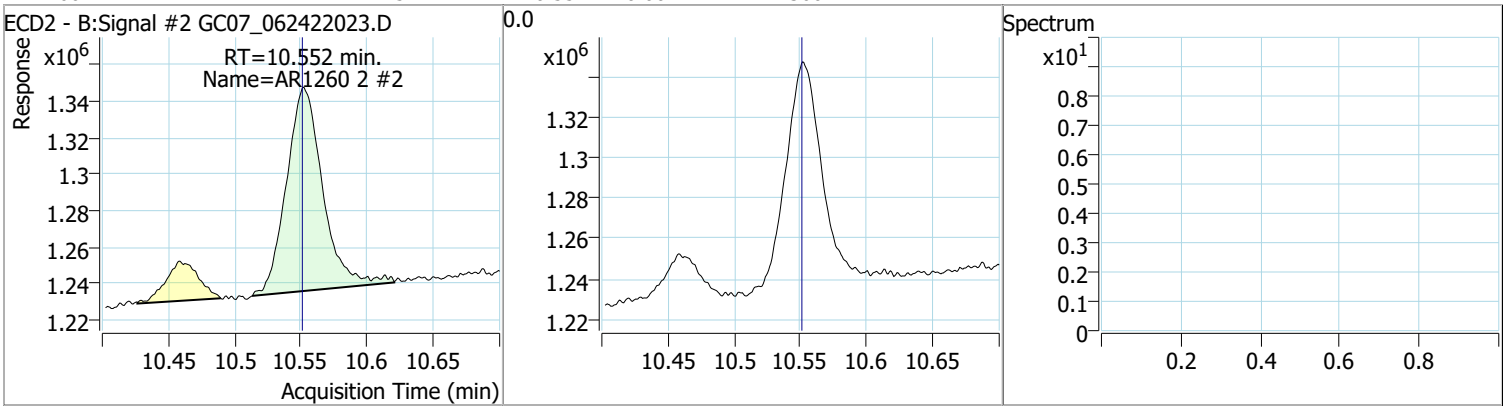
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	51.7466	10.25	0.00	191092				



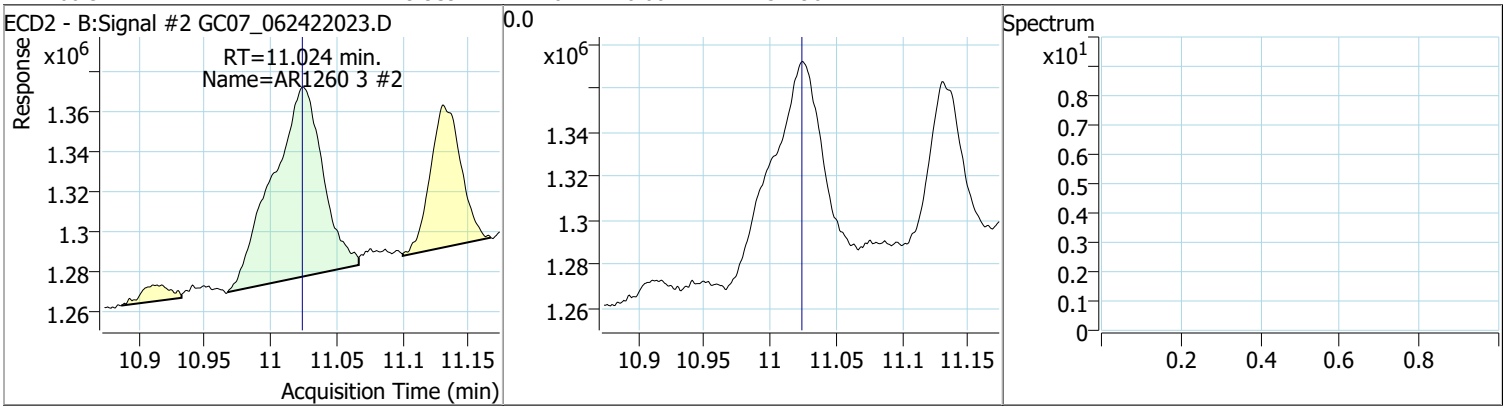
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	55.4537	10.47	0.00	555279				



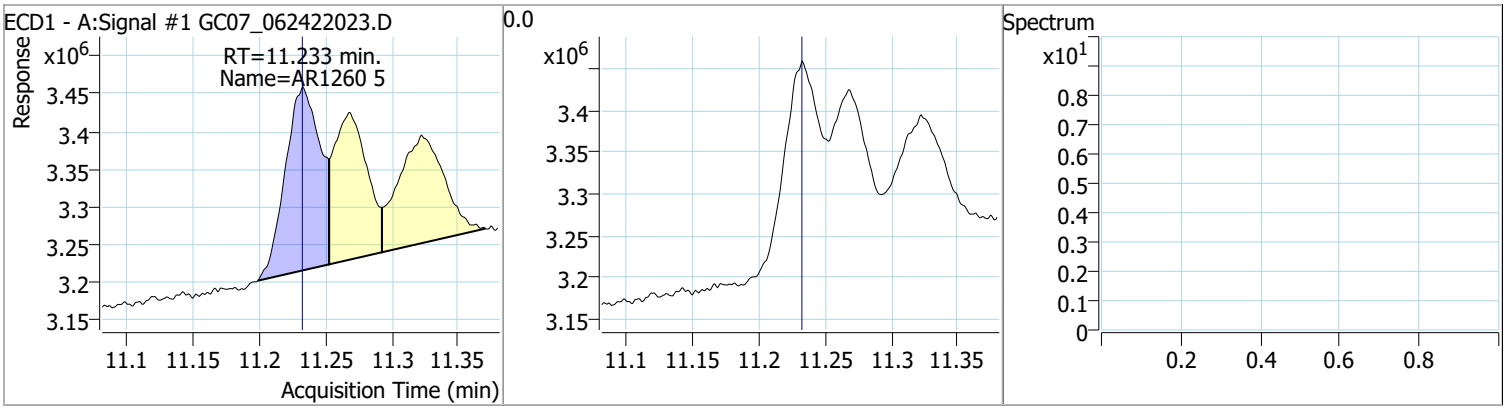
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	52.2477	10.55	0.00	214360				



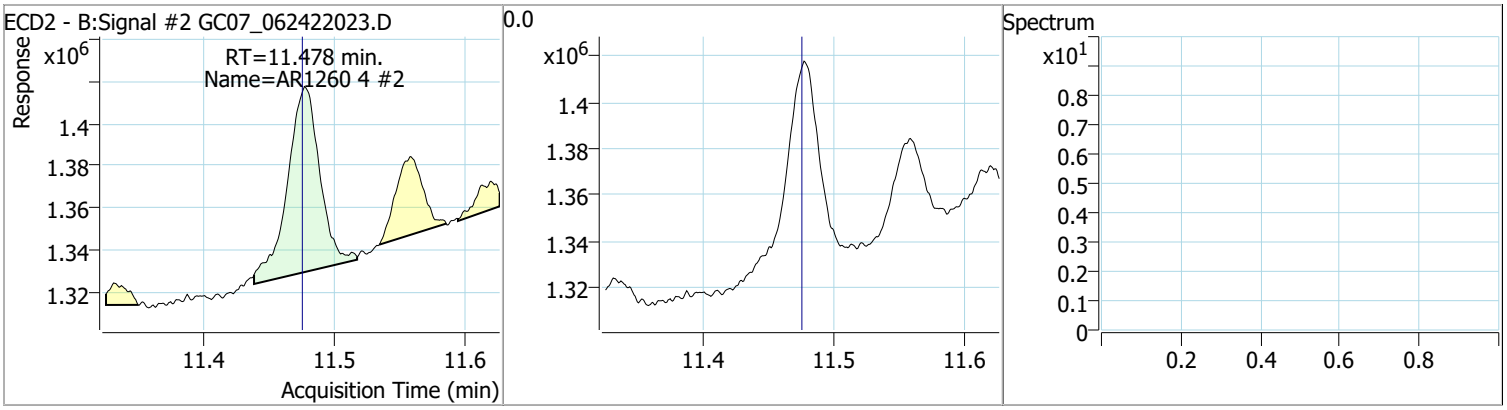
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	49.9394	11.02	0.00	252190				



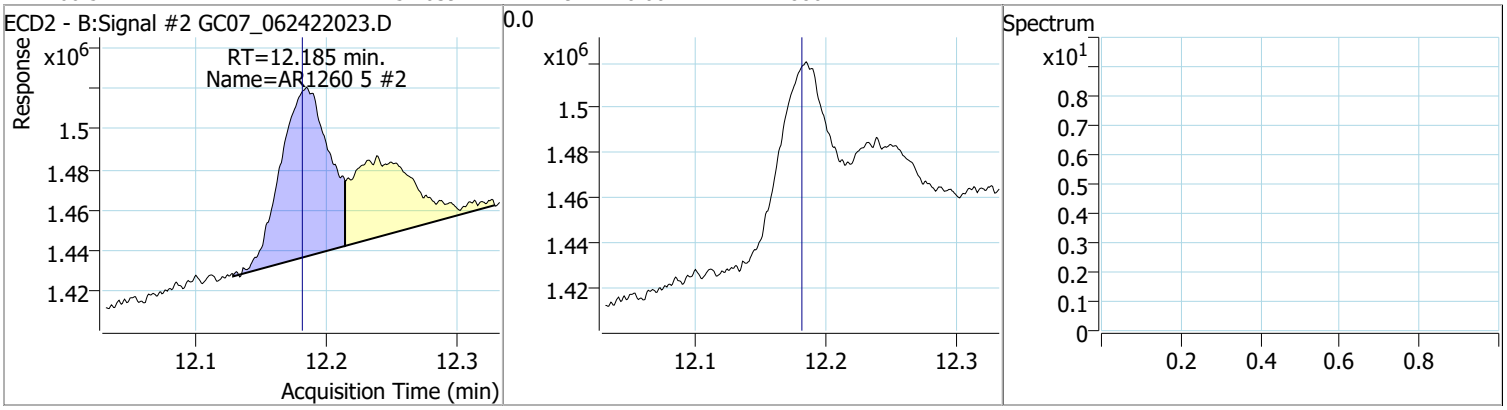
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	48.2882	11.23	0.00	443922				



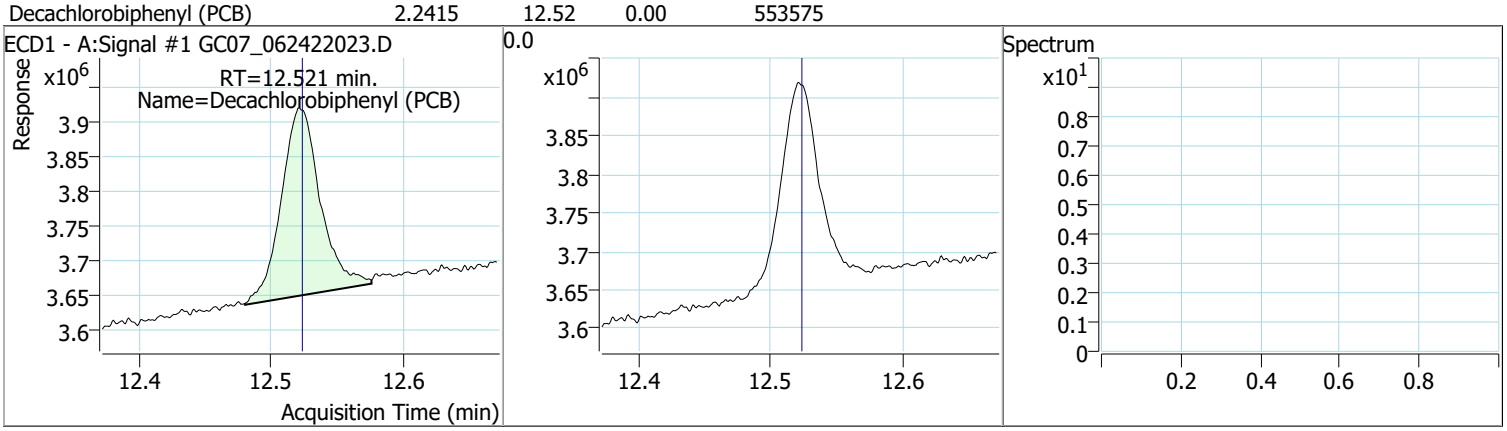
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	53.4472	11.48	0.00	151432				



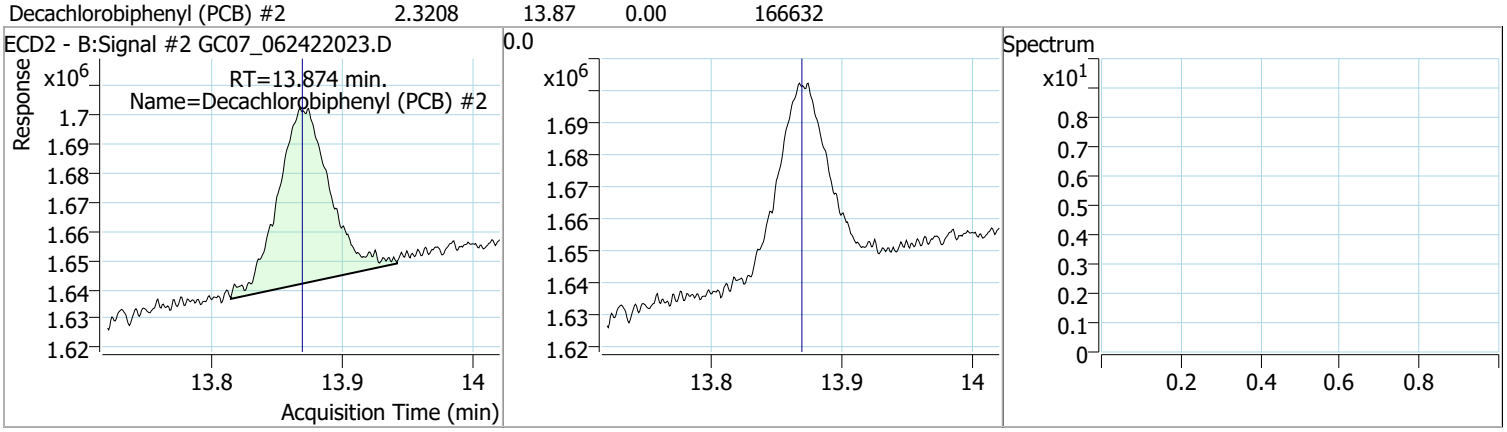
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	52.0391	12.19	0.00	211880				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	2.2415	12.52	0.00	553575				

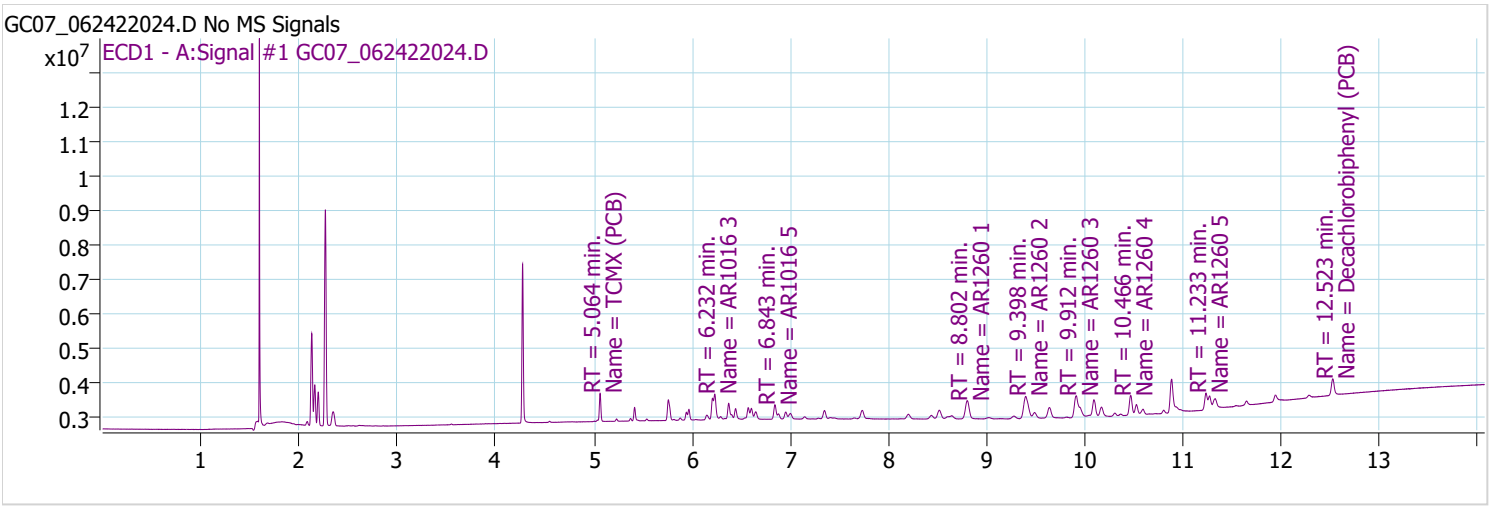


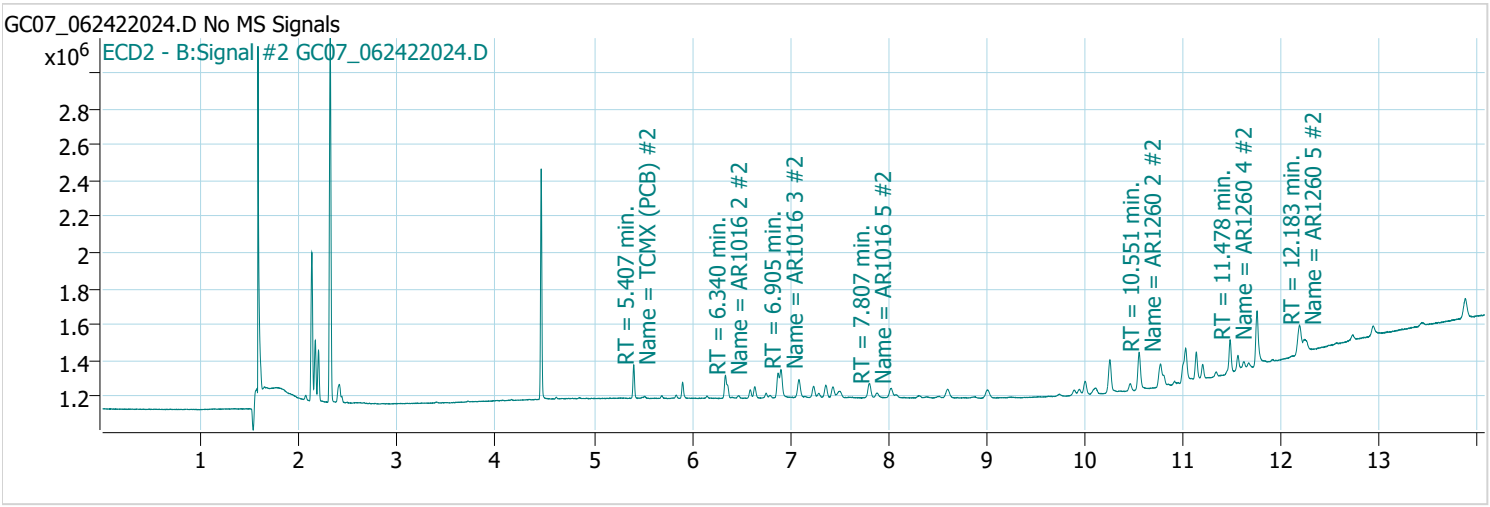
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	2.3208	13.87	0.00	166632				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422024.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 1:14:39 AM
Sample Name	ICAL, S16726, 20	Instrument	SVOA-GC07
Vial	13	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	100 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



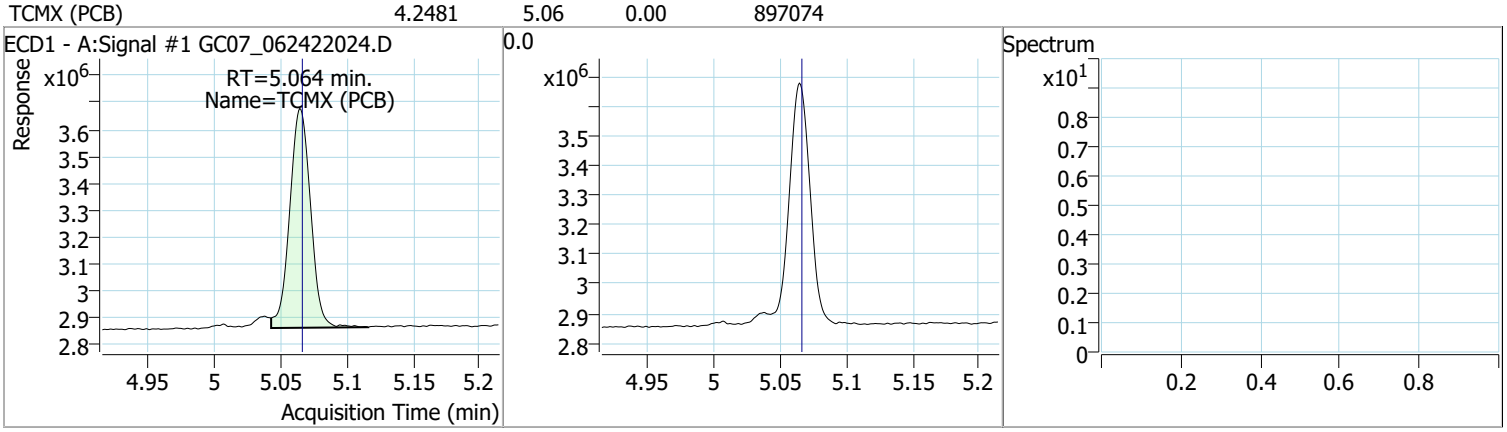


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.276	0.0	4477306.180	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.465	0.0	1187910.331	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.064	0.0	897074.472	4.2481	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 21.24%		*	
S TCMX (PCB) #2	5.407	0.0	207842.683	3.8553	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 19.28%		*	
S Decachlorobiphenyl (PCB)	12.523	0.0	1020372.834	4.0797	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.40%		*	
S Decachlorobiphenyl (PCB) #2	13.872	0.0	283373.502	3.8740	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 19.37%		*	
Target Compounds							QValue
T AR1016 1	5.416	0.0	447483.970	104.1784	ng/ml	m	100

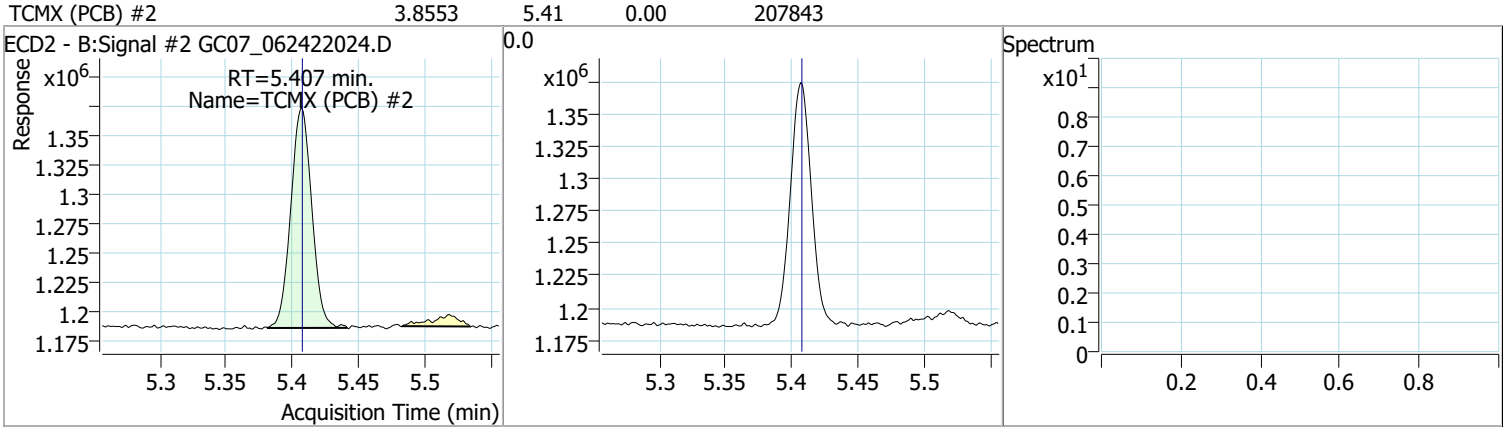
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.759	0.0	1039822.120	111.6954	ng/ml		100
T AR1016 1 #2	5.904	0.0	121966.911	101.9547	ng/ml		100
T AR1016 3	6.232	0.0	1159159.631	107.5266	ng/ml	m	100
T AR1016 2 #2	6.340	0.0	268047.434	102.8992	ng/ml		100
T AR1016 4	6.373	0.0	826298.381	106.5893	ng/ml	m	100
T AR1016 5	6.843	0.0	711331.722	110.1594	ng/ml		100
T AR1016 3 #2	6.905	0.0	297027.731	99.4047	ng/ml		100
T AR1016 4 #2	7.089	0.0	207364.114	99.9900	ng/ml		100
T AR1016 5 #2	7.807	0.0	174426.651	100.6866	ng/ml		100
T AR1260 1	8.802	0.0	1485443.579	108.9338	ng/ml		100
T AR1260 2	9.398	0.0	2110918.071	107.8380	ng/ml		100
T AR1260 3	9.912	0.0	2088066.579	105.2624	ng/ml		100
T AR1260 1 #2	10.254	0.0	386725.864	102.7941	ng/ml		100
T AR1260 4	10.466	0.0	1085118.256	107.0060	ng/ml		100
T AR1260 2 #2	10.551	0.0	429919.183	102.8573	ng/ml		100
T AR1260 3 #2	11.025	0.0	494668.368	96.1515	ng/ml		100
T AR1260 5	11.233	0.0	915842.814	98.3710	ng/ml		100
T AR1260 4 #2	11.478	0.0	281667.470	97.5818	ng/ml		100
T AR1260 5 #2	12.183	0.0	402682.110	97.0795	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

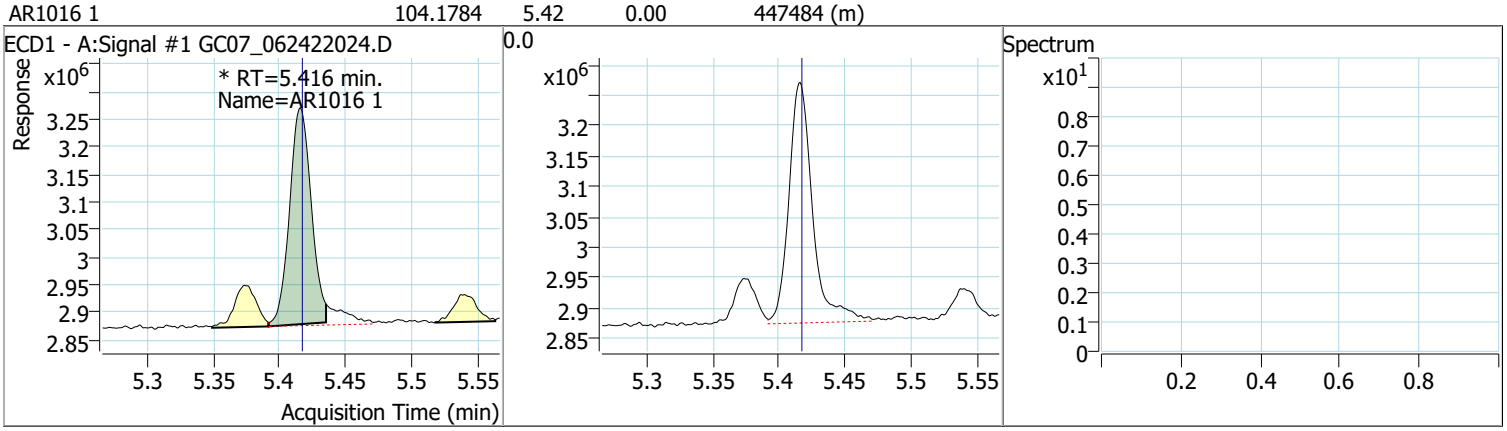
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	4.2481	5.06	0.00	897074				



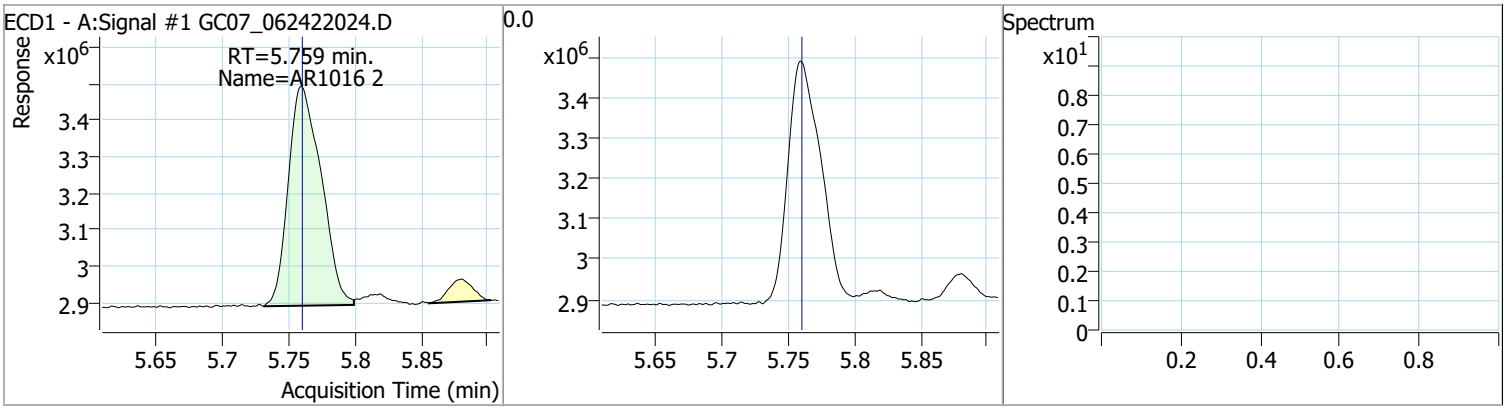
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	3.8553	5.41	0.00	207843				



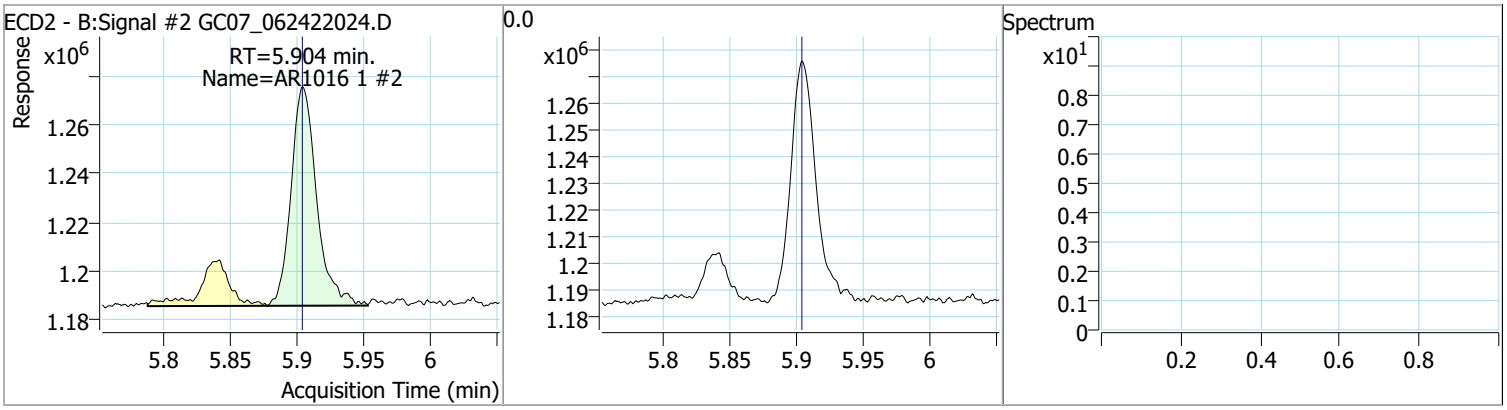
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	104.1784	5.42	0.00	447484 (m)				



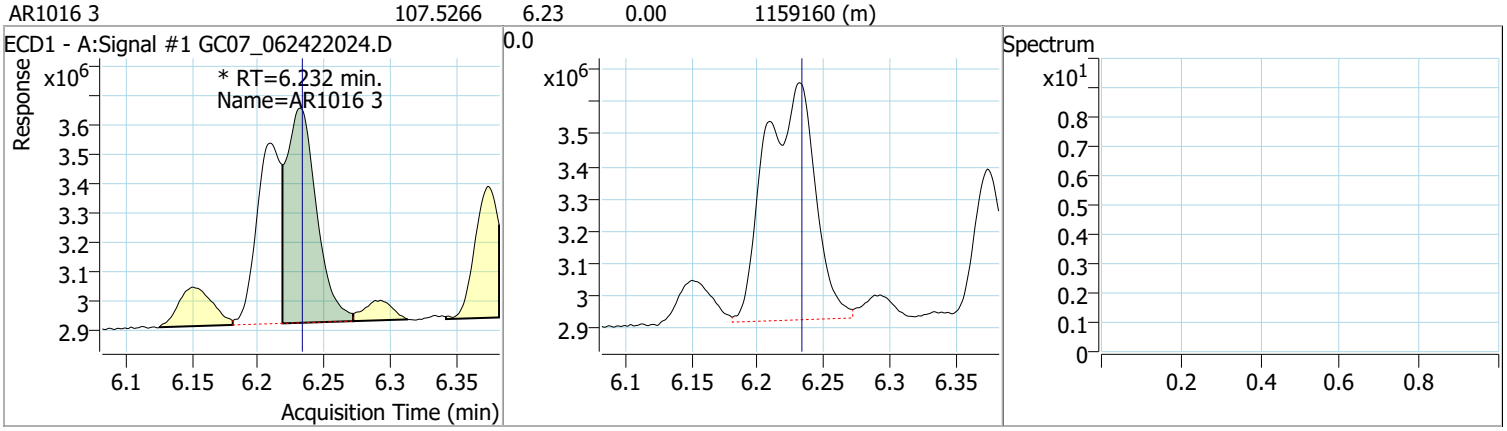
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	111.6954	5.76	0.00	1039822				



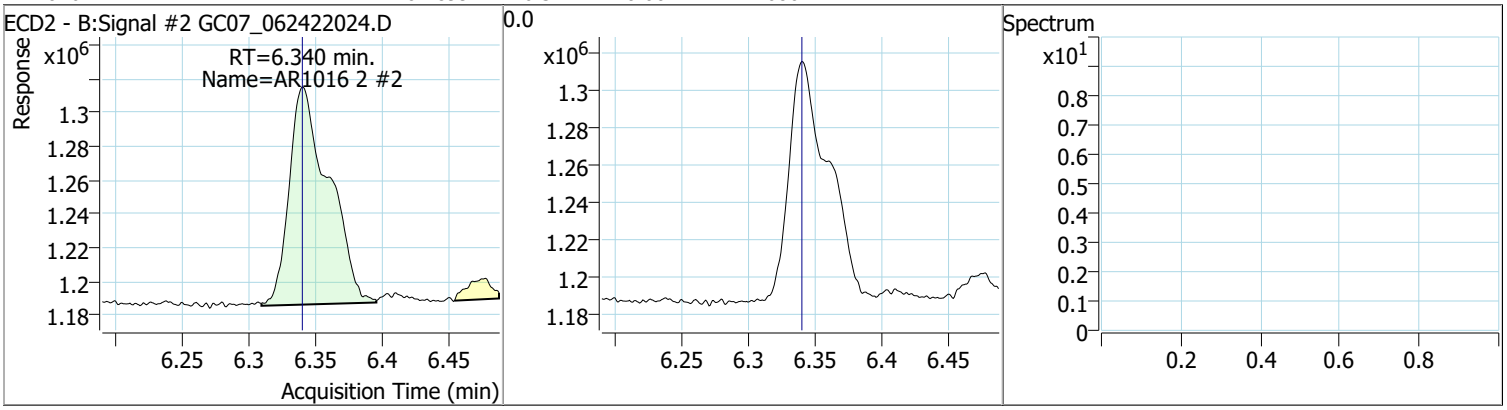
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	101.9547	5.90	0.00	121967				



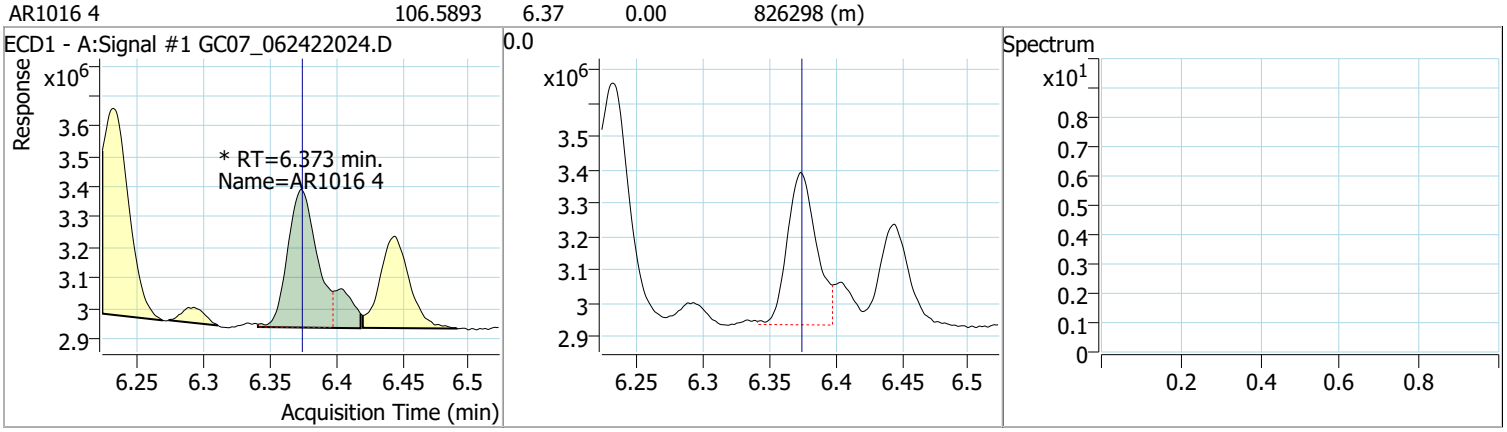
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	107.5266	6.23	0.00	1159160 (m)				



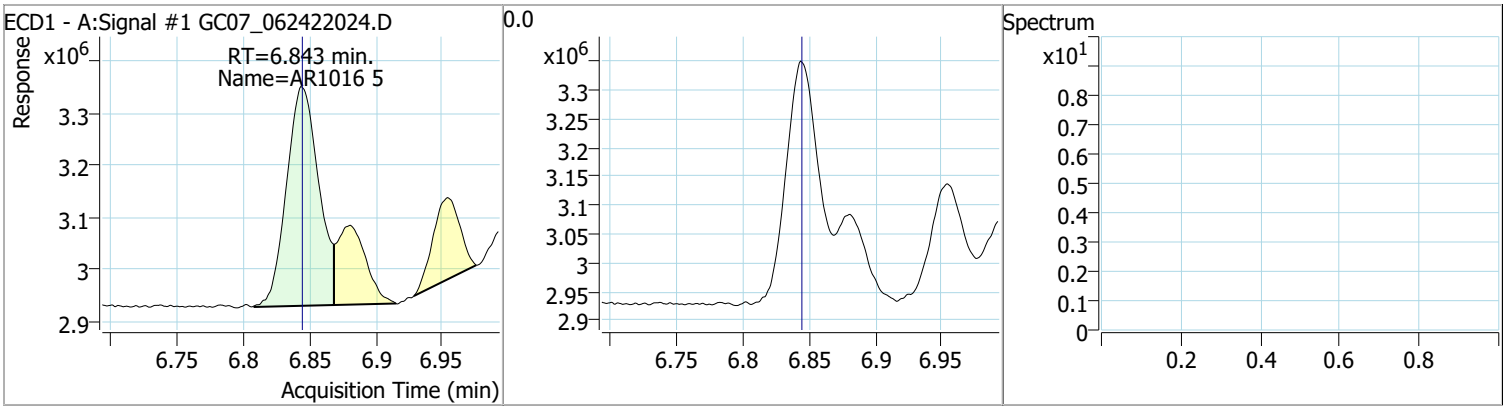
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	102.8992	6.34	0.00	268047				



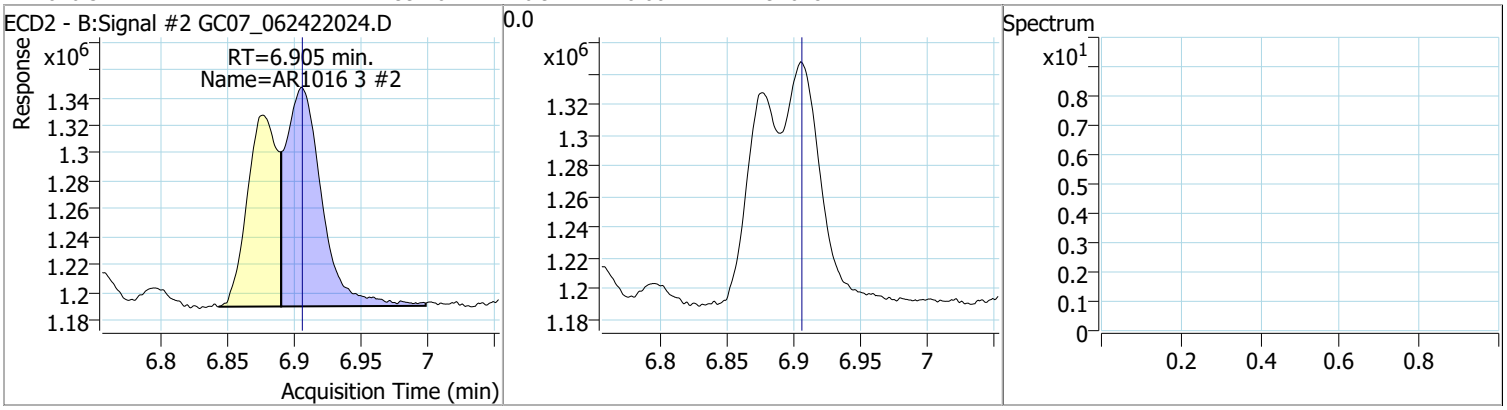
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	106.5893	6.37	0.00	826298 (m)				



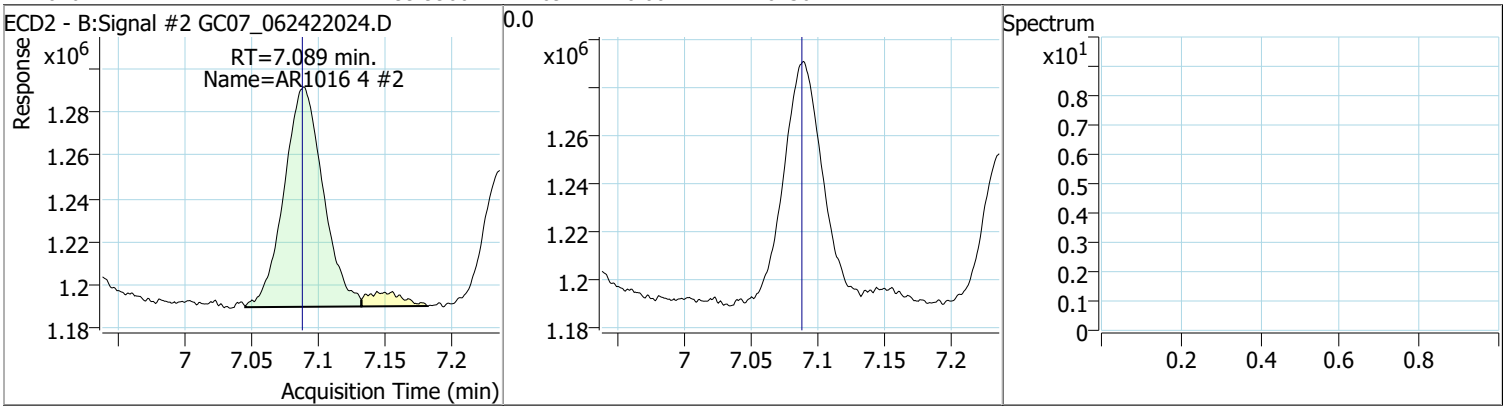
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	110.1594	6.84	0.00	711332				



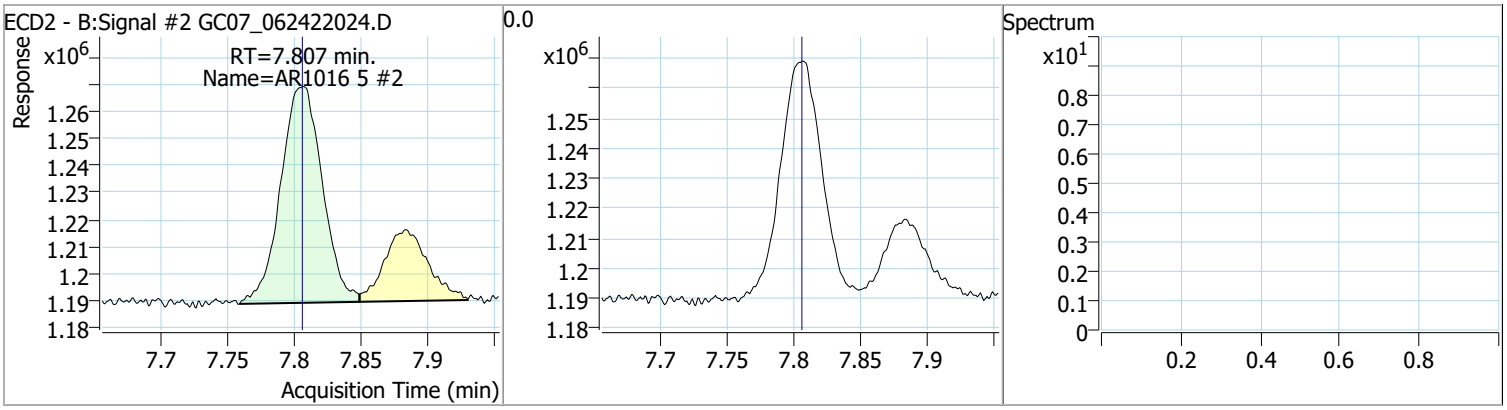
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	99.4047	6.91	0.00	297028				



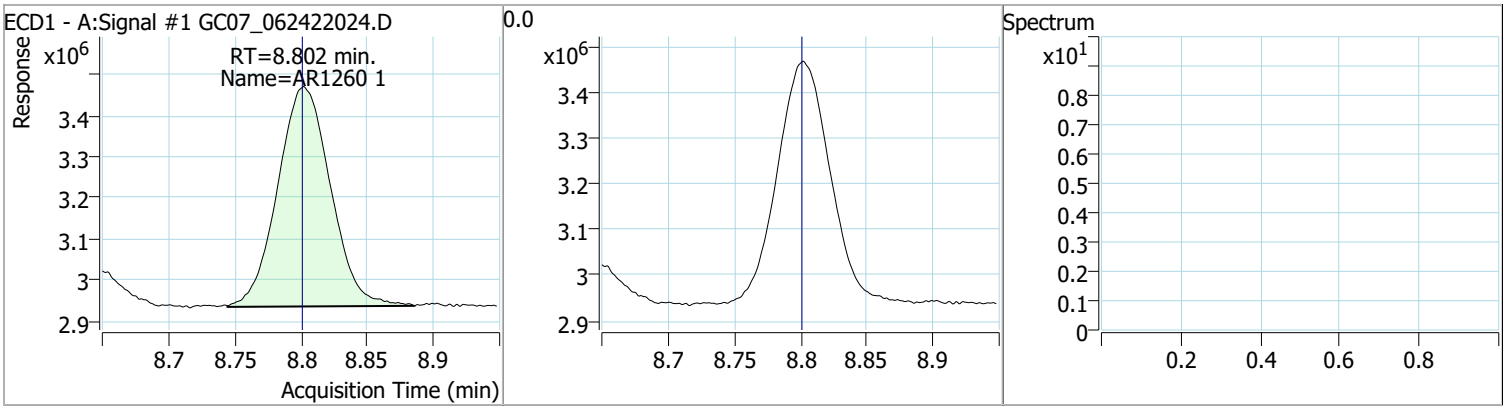
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	99.9900	7.09	0.00	207364				



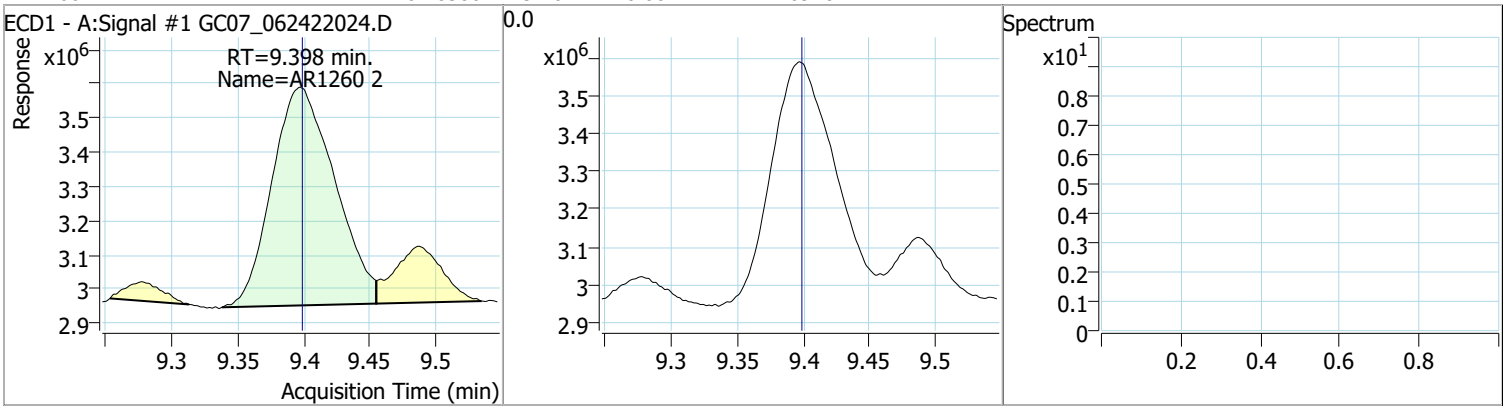
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	100.6866	7.81	0.00	174427				



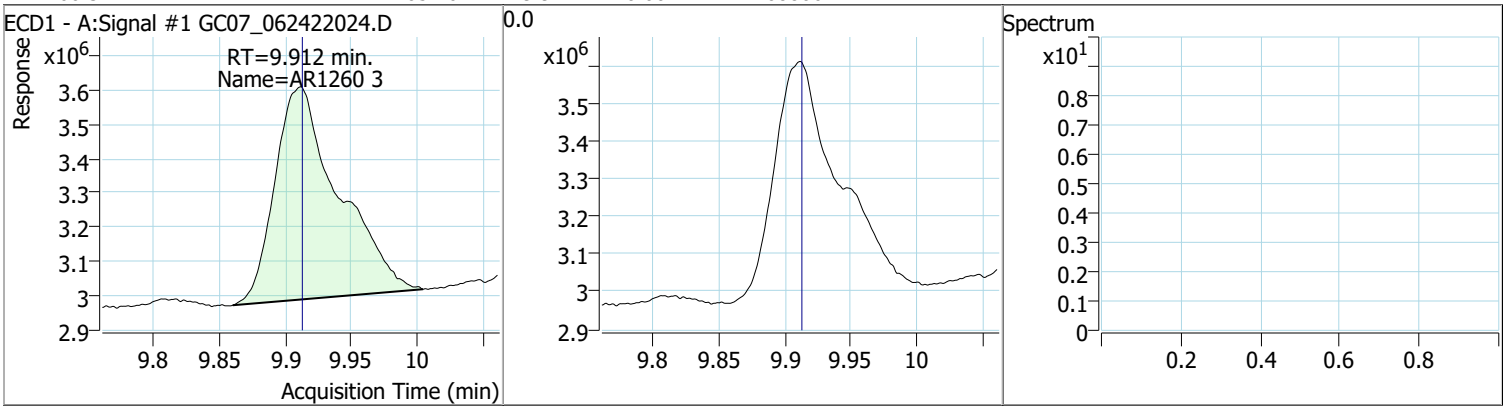
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	108.9338	8.80	0.00	1485444				



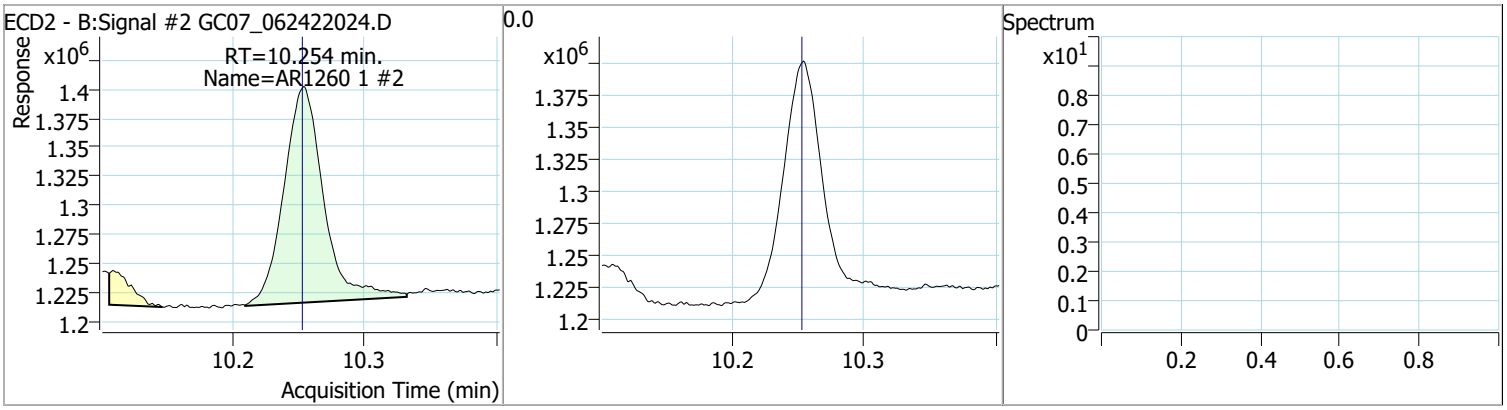
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	107.8380	9.40	0.00	2110918				



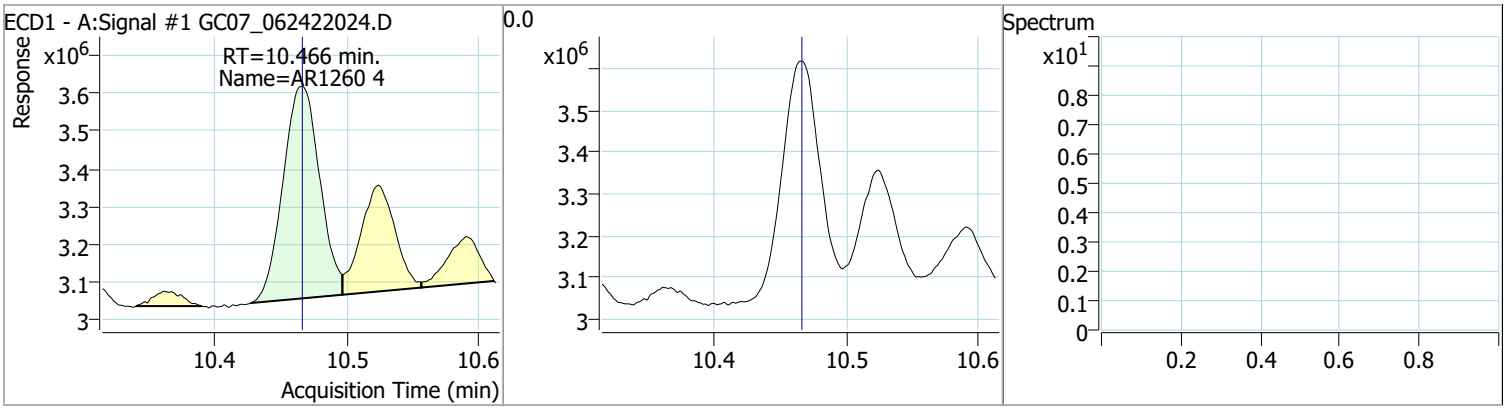
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	105.2624	9.91	0.00	2088067				



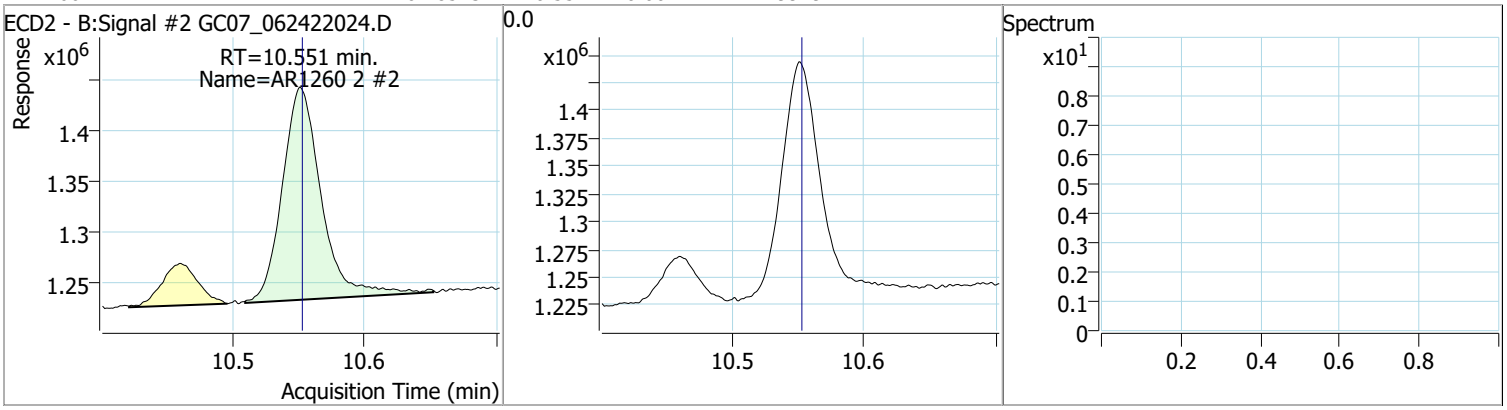
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	102.7941	10.25	0.00	386726				



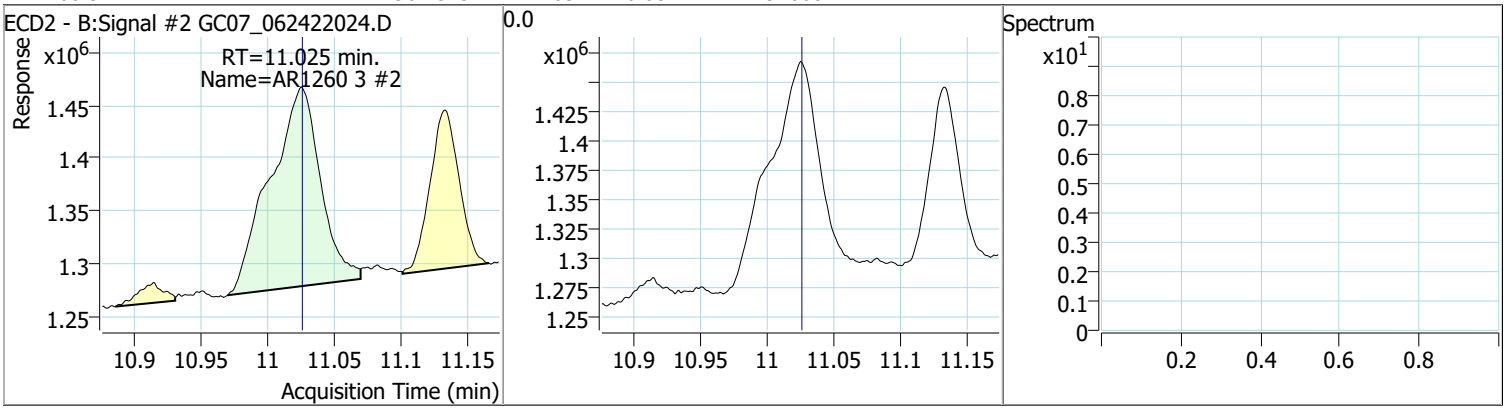
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	107.0060	10.47	0.00	1085118				



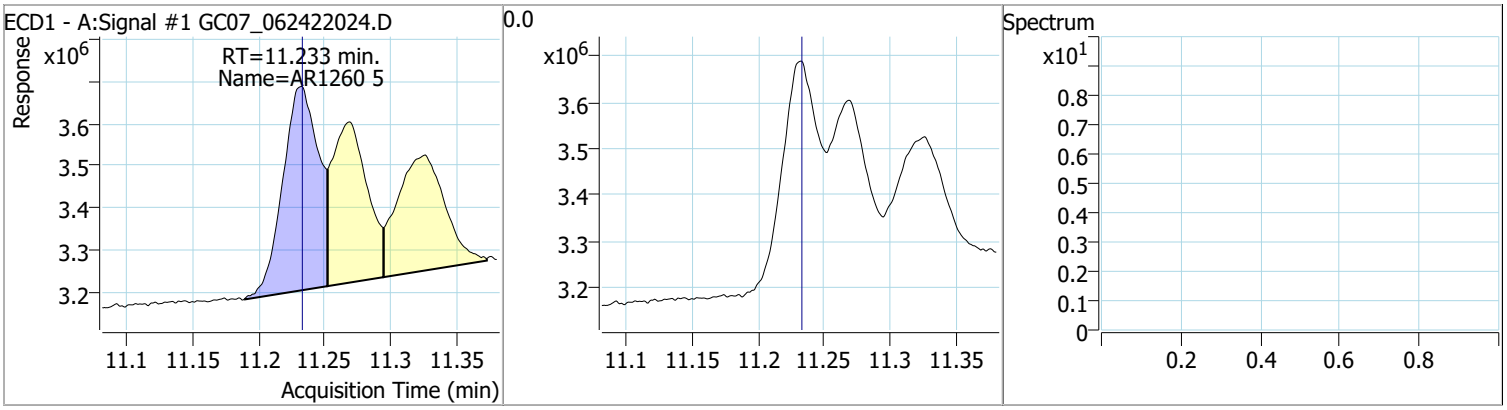
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	102.8573	10.55	0.00	429919				



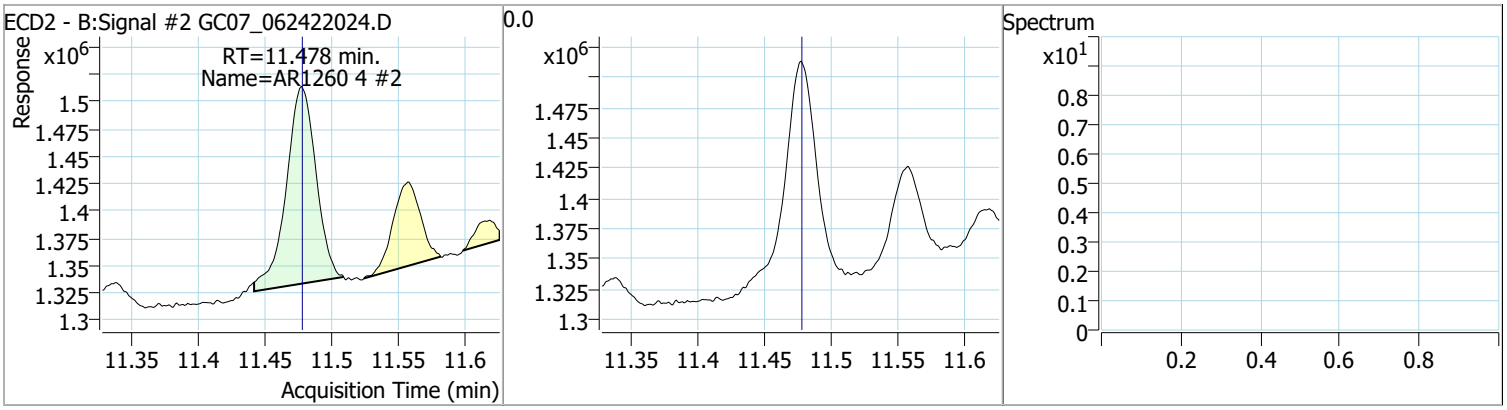
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	96.1515	11.03	0.00	494668				



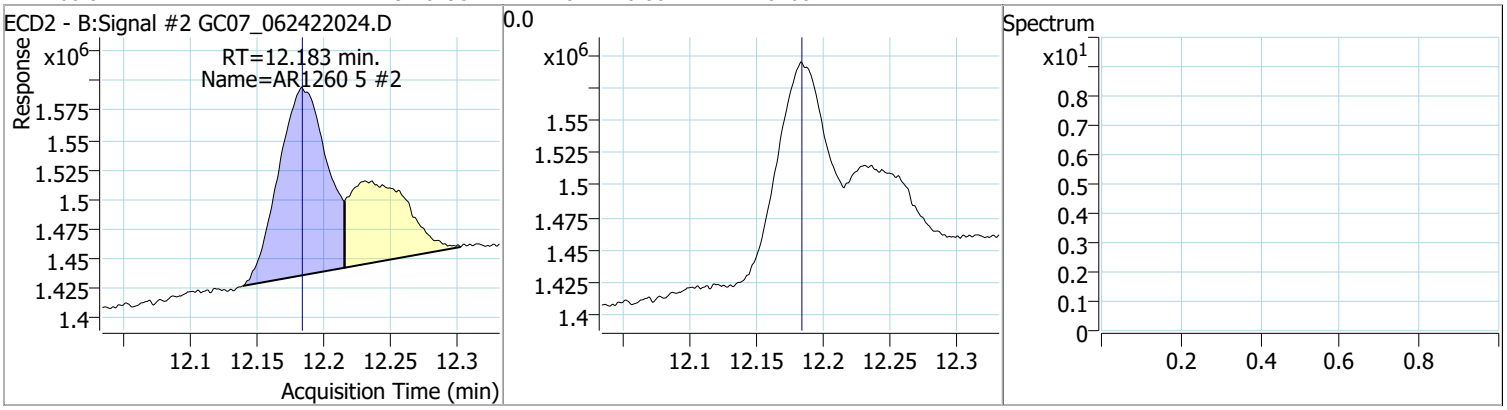
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	98.3710	11.23	0.00	915843				



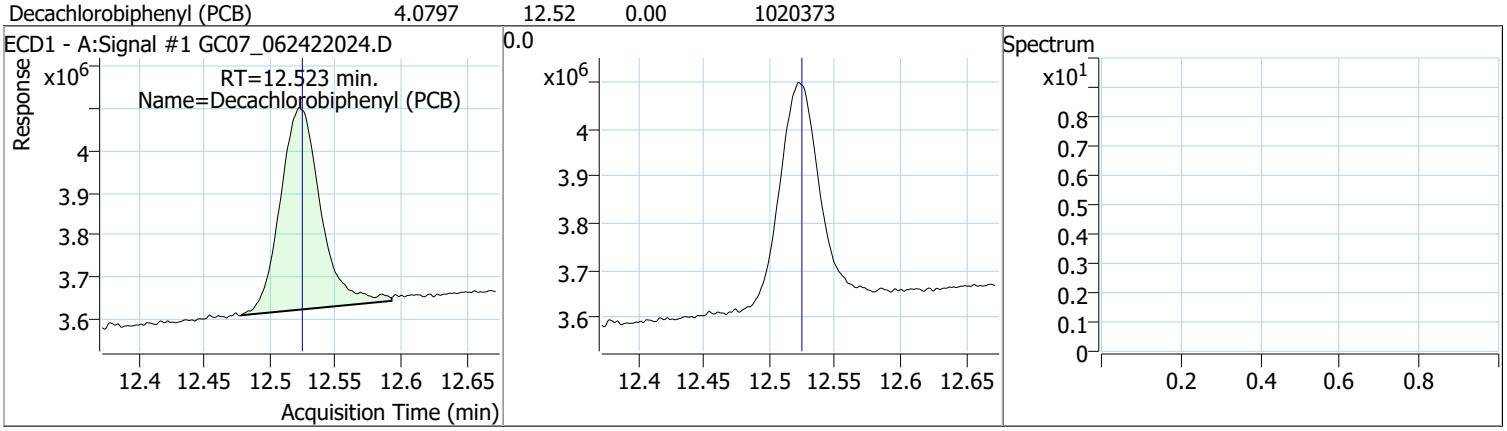
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	97.5818	11.48	0.00	281667				



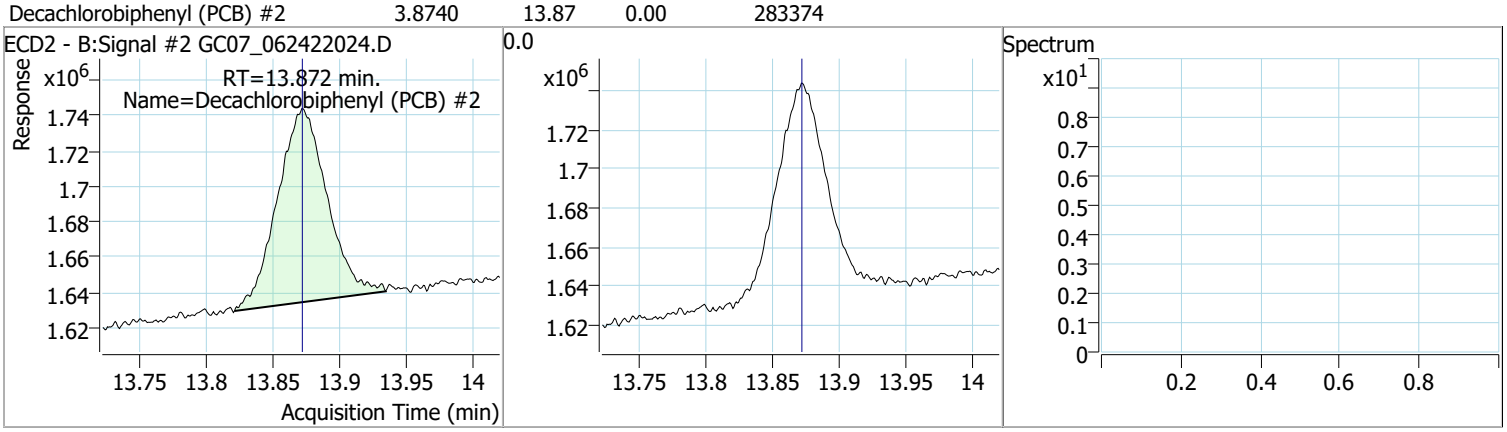
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	97.0795	12.18	0.00	402682				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	4.0797	12.52	0.00	1020373				

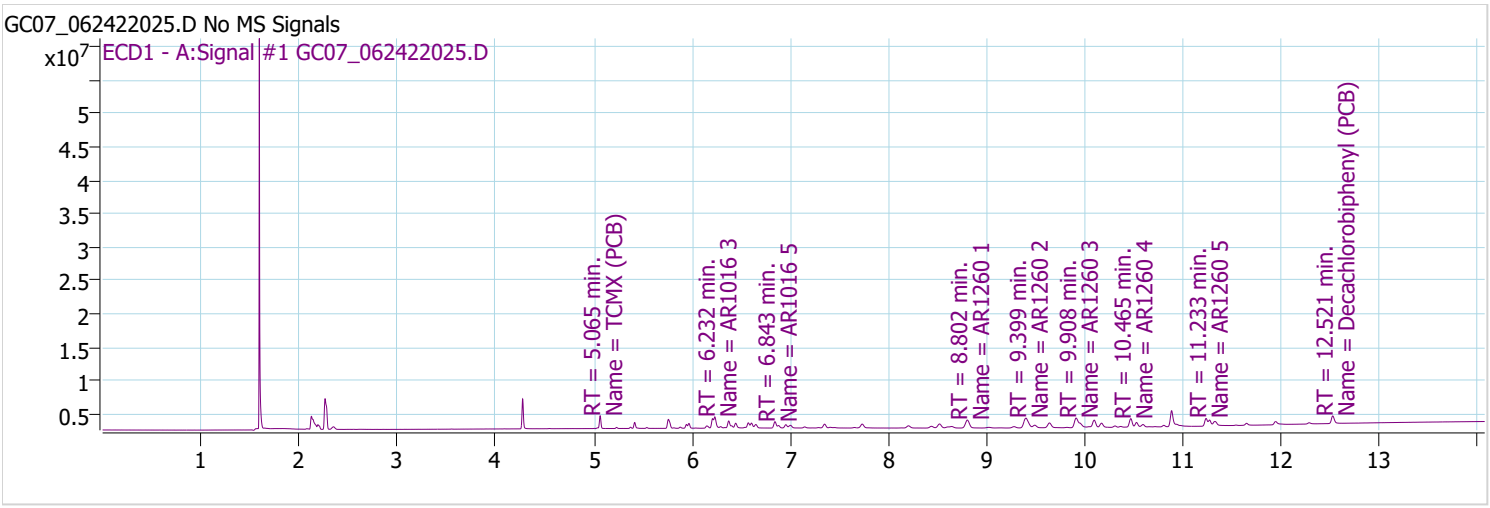


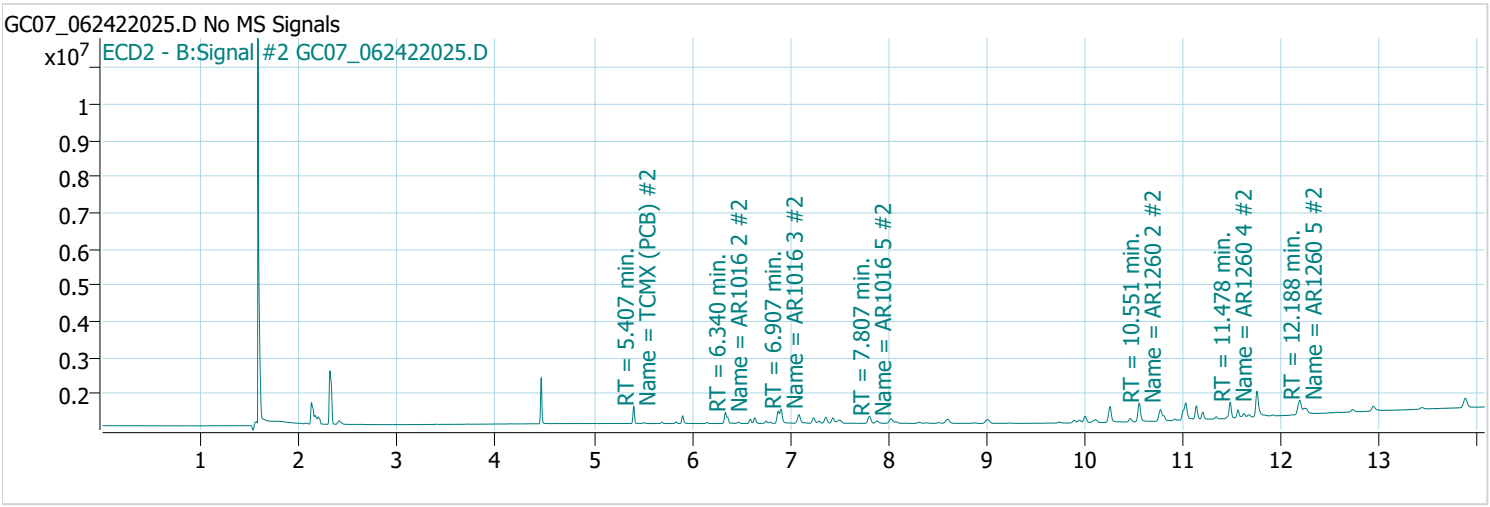
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	3.8740	13.87	0.00	283374				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422025.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 1:32:08 AM
Sample Name	ICAL, S16726, 8	Instrument	SVOA-GC07
Vial	14	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	250 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



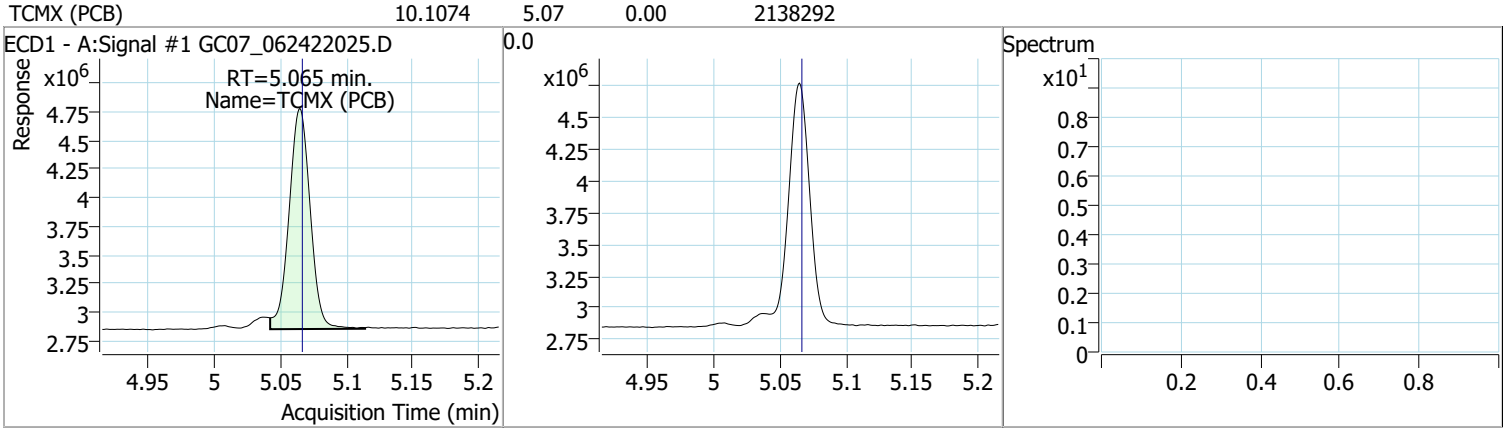


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.277	0.0	4485448.975	20.0000	ng/ml		0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.465	0.0	1179526.258	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.065	0.0	2138291.874	10.1074	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 50.54%			
S TCMX (PCB) #2	5.407	0.0	523555.279	9.7806	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 48.90%		*	
S Decachlorobiphenyl (PCB)	12.521	0.0	2447732.203	9.7689	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 48.84%		*	
S Decachlorobiphenyl (PCB) #2	13.872	0.0	698876.563	9.6222	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 48.11%		*	
Target Compounds							QValue
T AR1016 1	5.416	0.0	1078573.648	250.6460	ng/ml	m	100

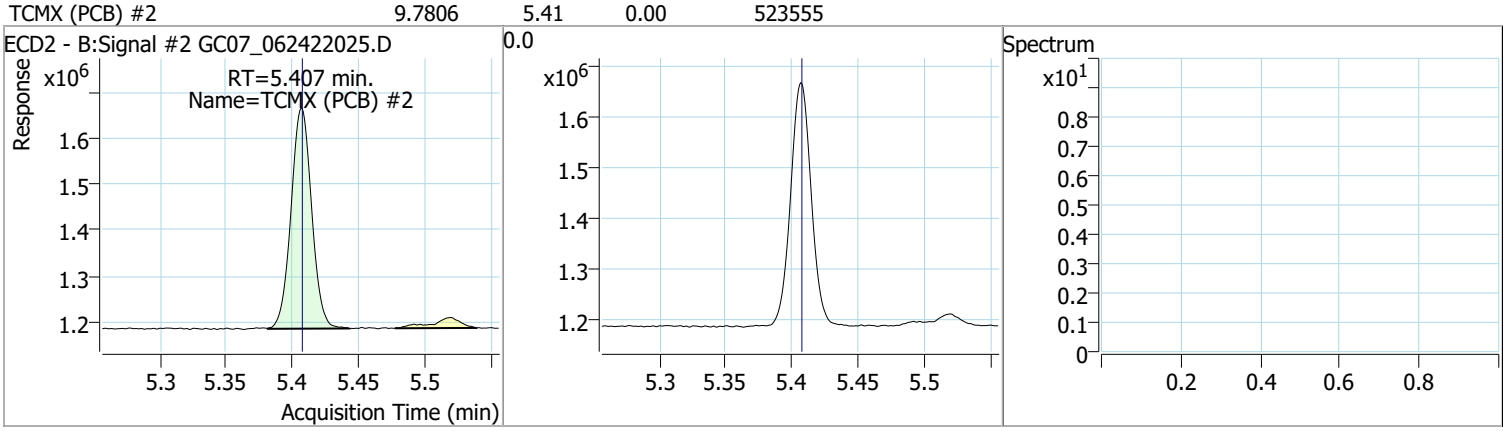
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.760	0.0	2410450.217	258.4552	ng/ml		100
T AR1016 1 #2	5.905	0.0	296542.047	249.6478	ng/ml		100
T AR1016 3	6.232	0.0	2621527.878	242.7381	ng/ml	m	100
T AR1016 2 #2	6.340	0.0	635021.073	245.5073	ng/ml		100
T AR1016 4	6.373	0.0	1952430.462	251.3988	ng/ml	m	100
T AR1016 5	6.843	0.0	1641918.732	253.8119	ng/ml		100
T AR1016 3 #2	6.907	0.0	705048.685	237.6321	ng/ml		100
T AR1016 4 #2	7.088	0.0	492036.073	238.9440	ng/ml		100
T AR1016 5 #2	7.807	0.0	413979.450	240.6654	ng/ml		100
T AR1260 1	8.802	0.0	3436520.896	251.5569	ng/ml		100
T AR1260 2	9.399	0.0	4842298.053	246.9236	ng/ml		100
T AR1260 3	9.908	0.0	4833210.812	243.2066	ng/ml		100
T AR1260 1 #2	10.254	0.0	909894.476	243.5747	ng/ml		100
T AR1260 4	10.465	0.0	2495136.099	245.6043	ng/ml		100
T AR1260 2 #2	10.551	0.0	1029646.159	248.0916	ng/ml		100
T AR1260 3 #2	11.025	0.0	1246365.279	243.9850	ng/ml		100
T AR1260 5	11.233	0.0	2109055.304	226.1231	ng/ml		100
T AR1260 4 #2	11.478	0.0	689677.964	240.6325	ng/ml		100
T AR1260 5 #2	12.188	0.0	976159.900	237.0076	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

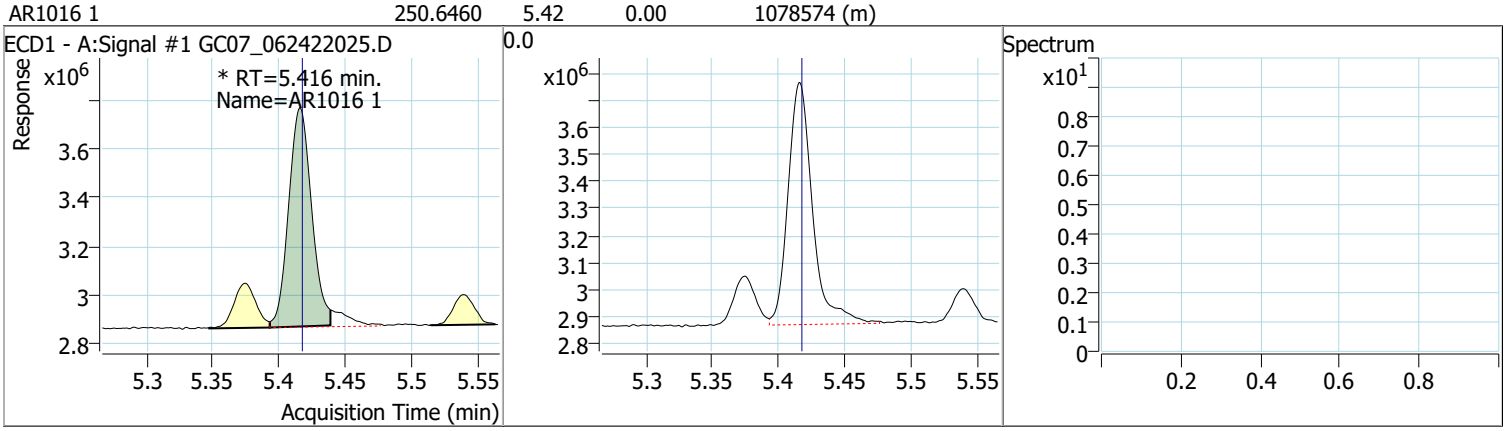
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	10.1074	5.07	0.00	2138292				



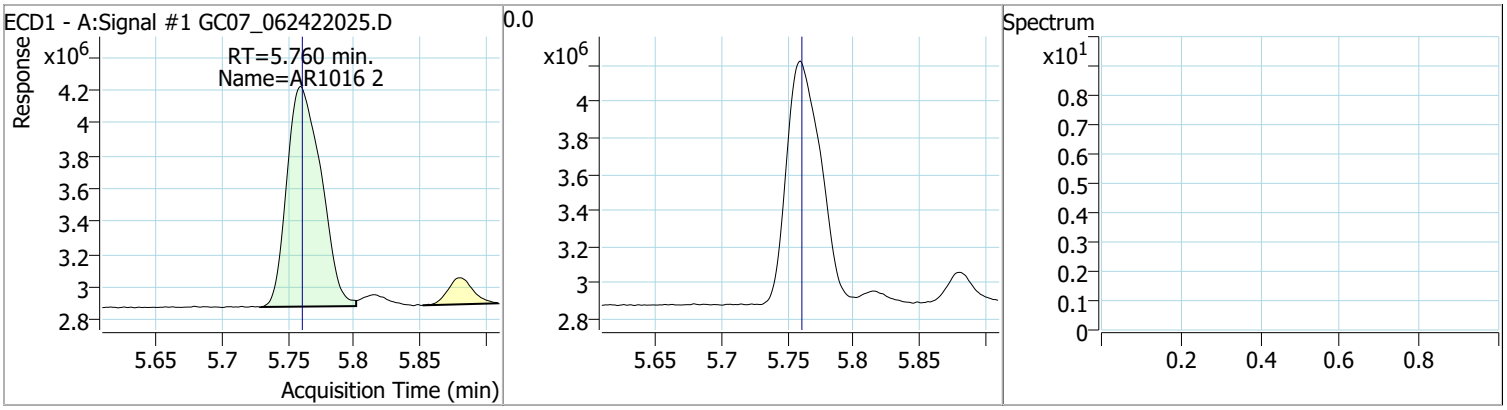
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	9.7806	5.41	0.00	523555				



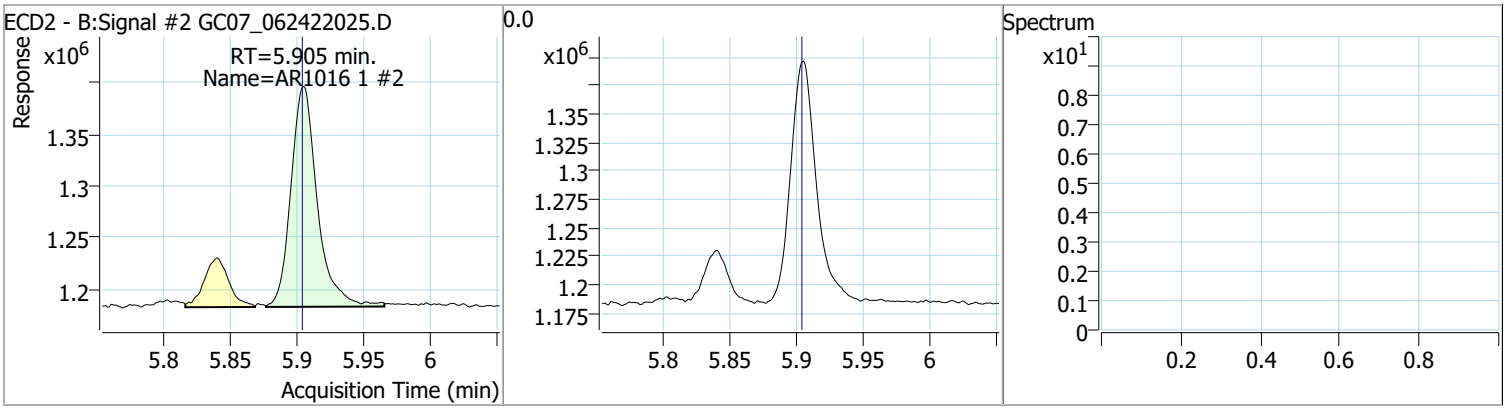
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	250.6460	5.42	0.00	1078574 (m)				



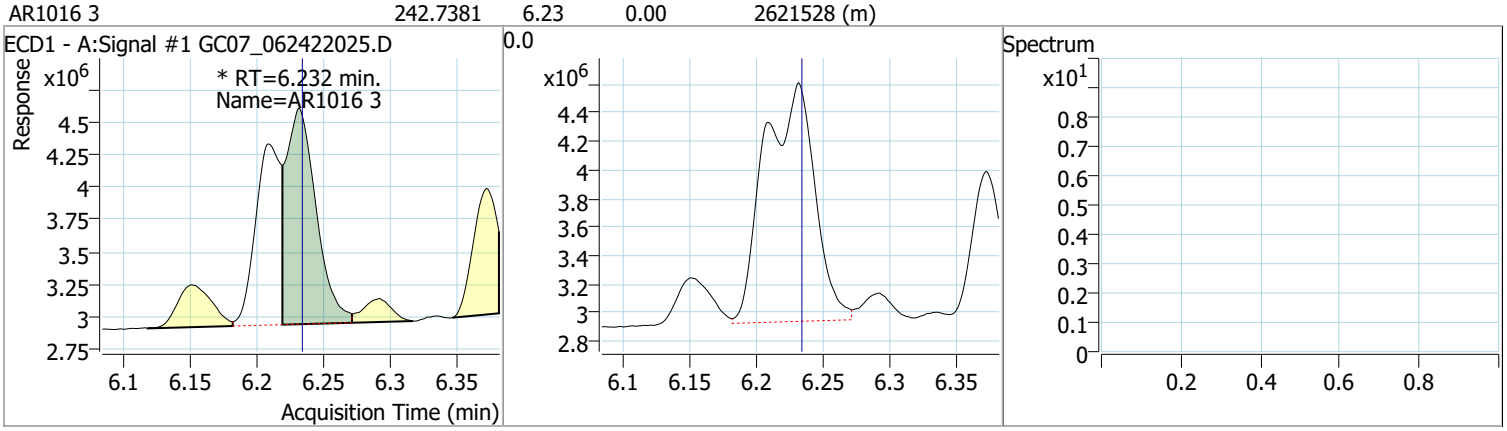
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	258.4552	5.76	0.00	2410450				



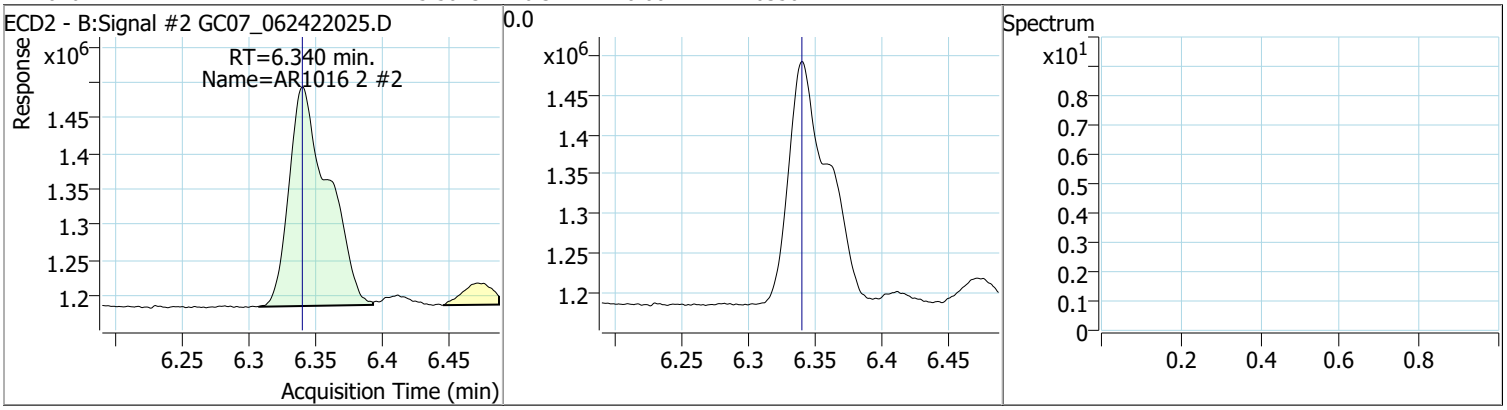
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	249.6478	5.91	0.00	296542				



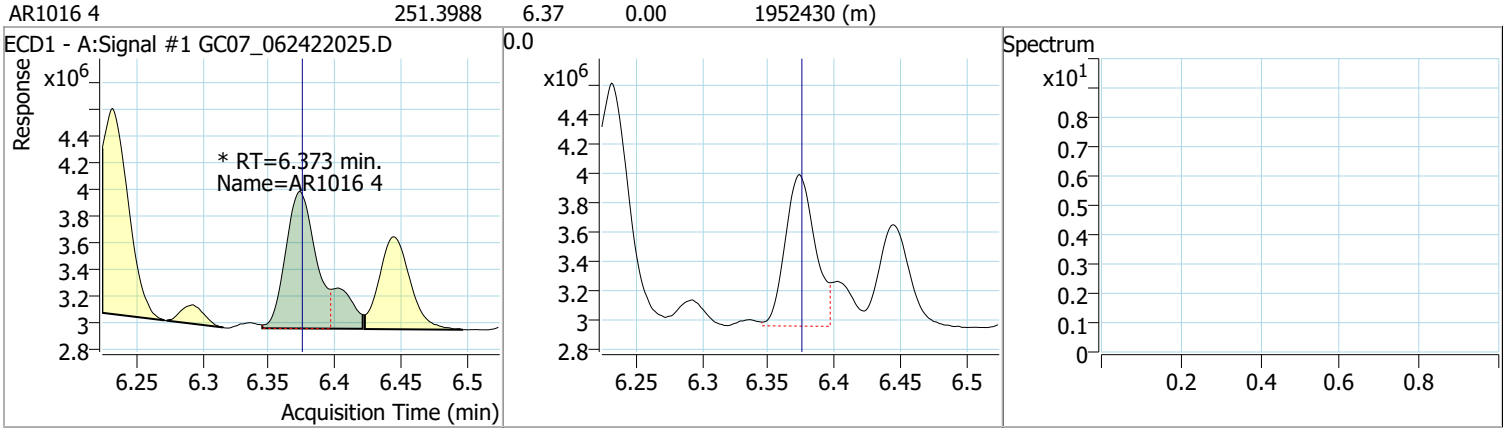
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	242.7381	6.23	0.00	2621528 (m)				



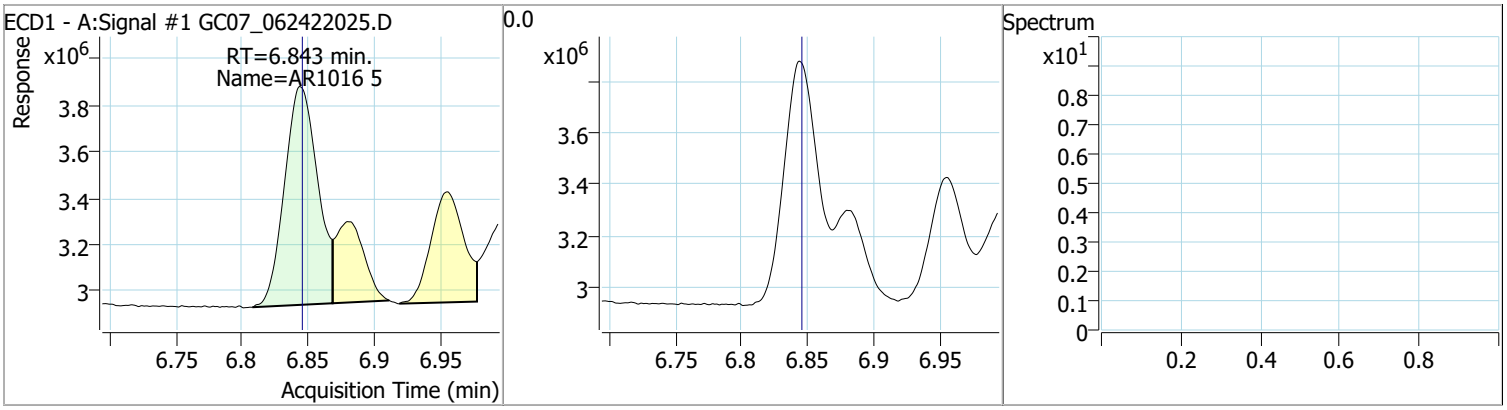
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	245.5073	6.34	0.00	635021				



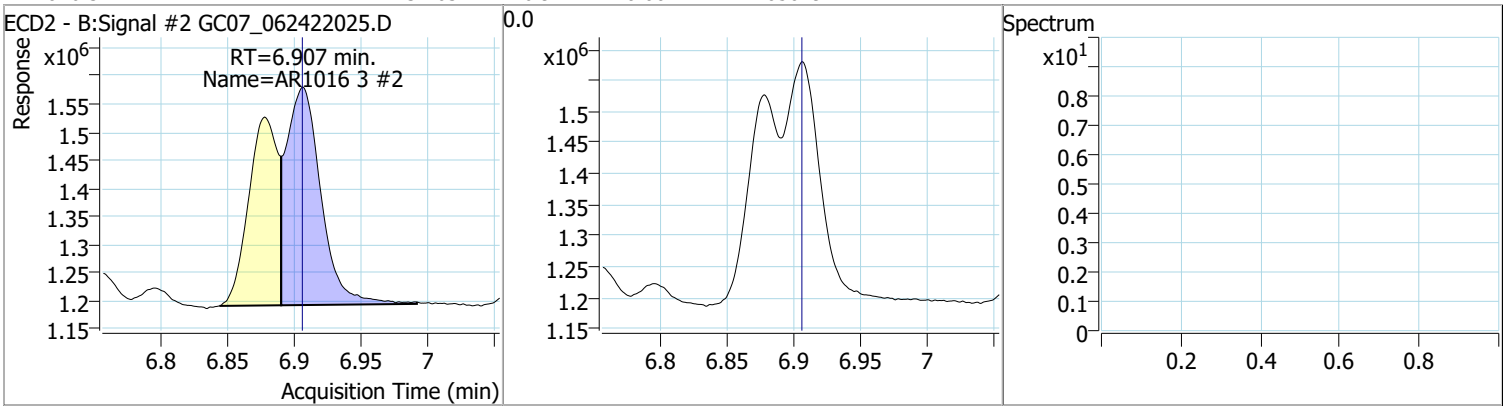
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	251.3988	6.37	0.00	1952430 (m)				



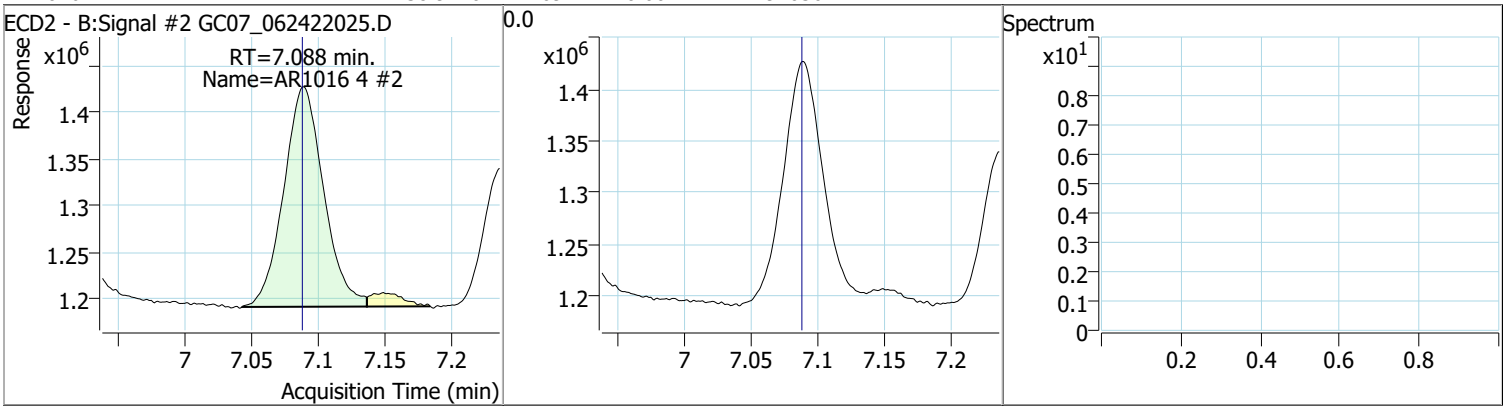
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	253.8119	6.84	0.00	1641919				



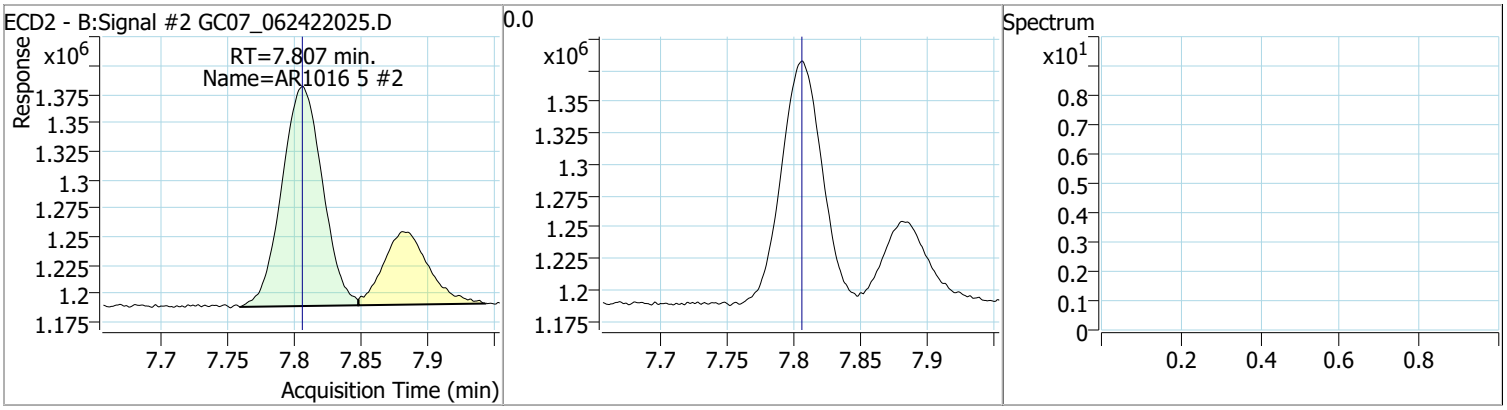
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	237.6321	6.91	0.00	705049				



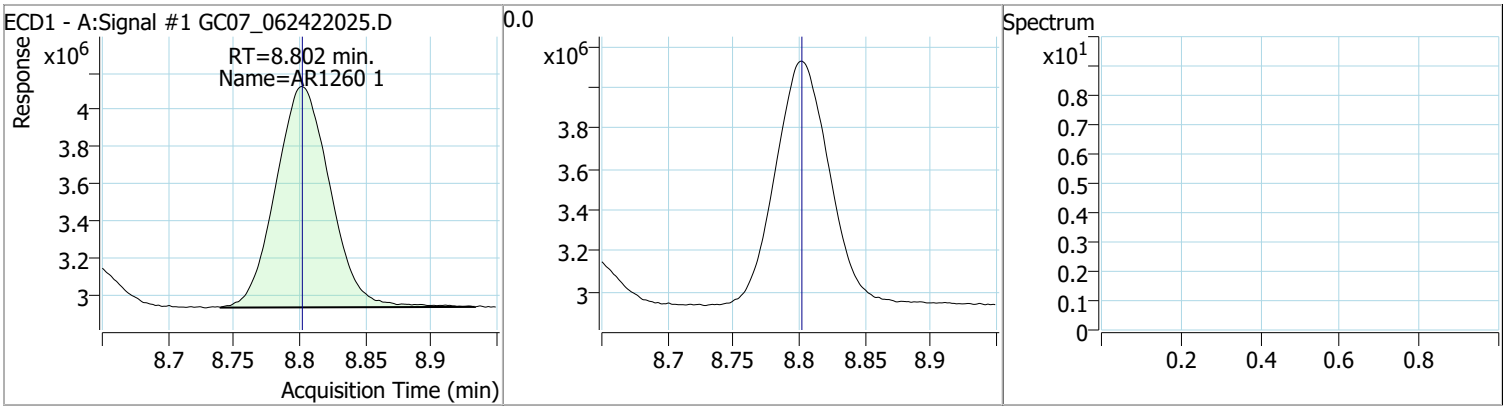
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	238.9440	7.09	0.00	492036				



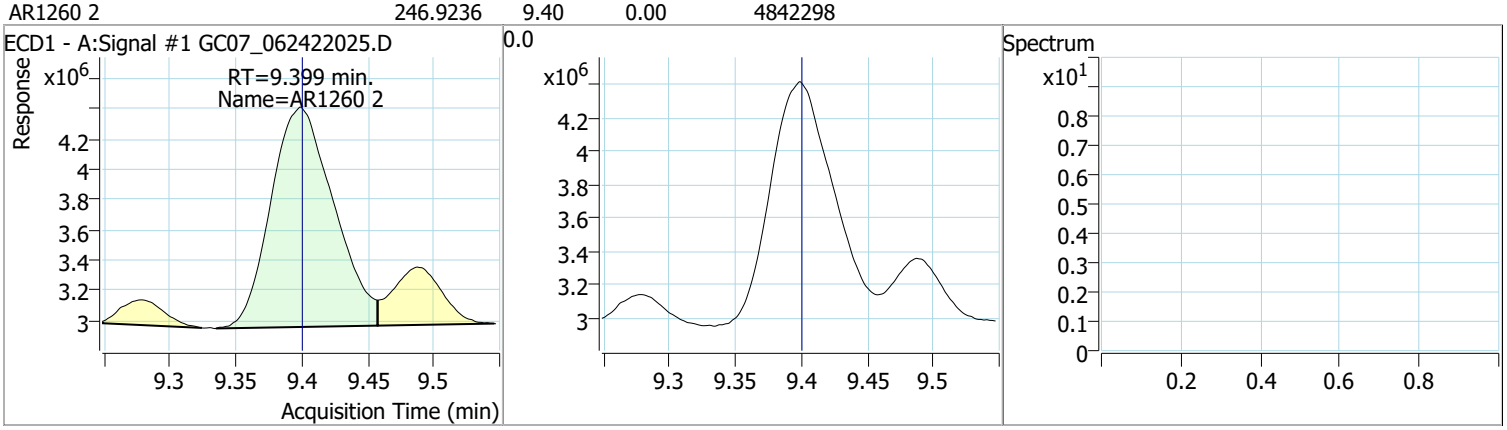
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	240.6654	7.81	0.00	413979				



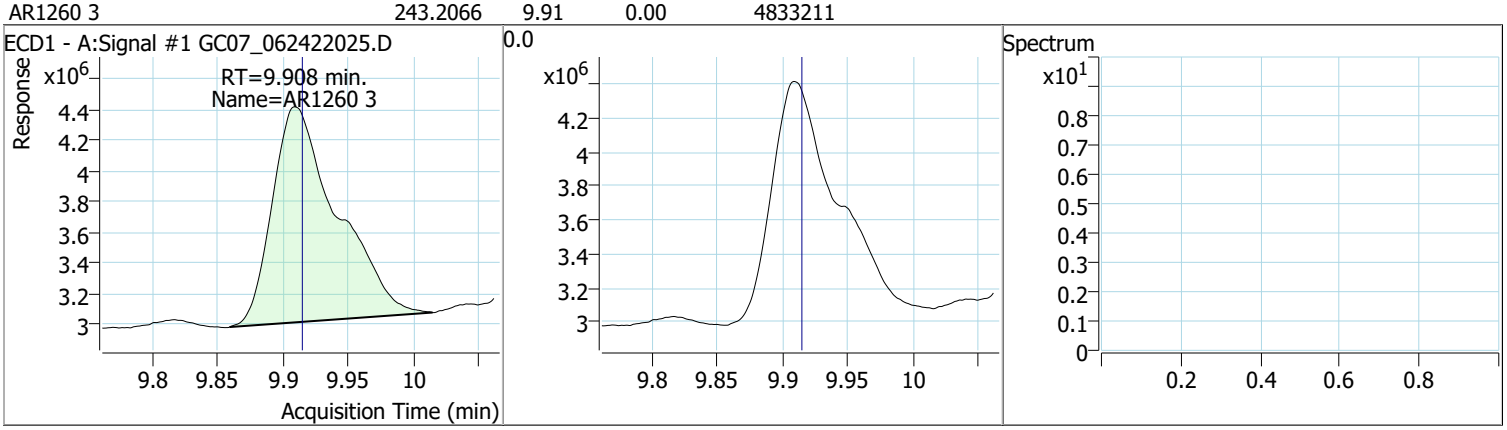
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	251.5569	8.80	0.00	3436521				



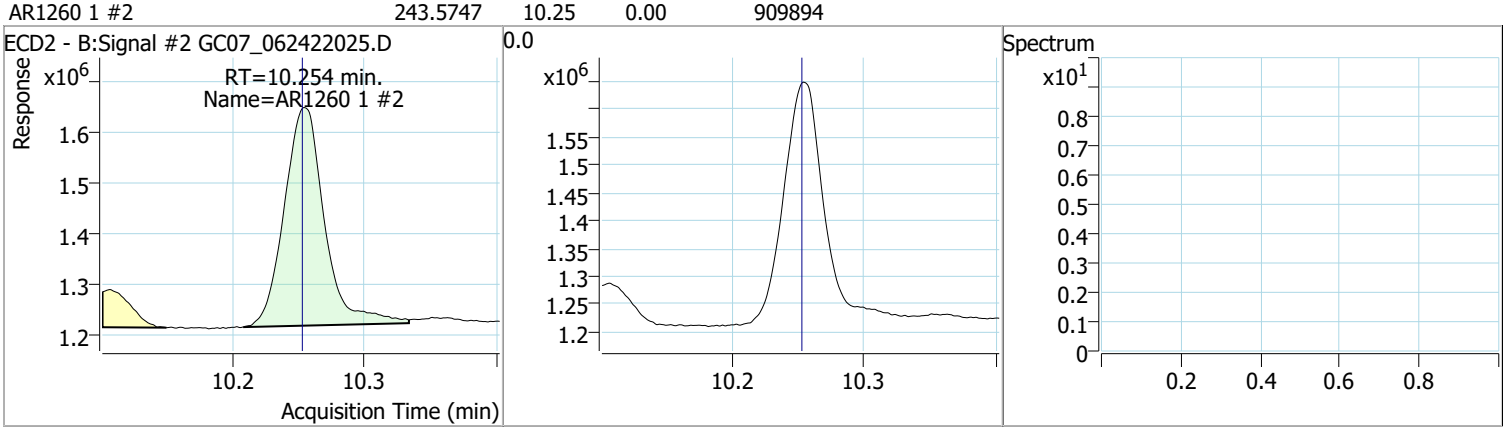
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	246.9236	9.40	0.00	4842298				



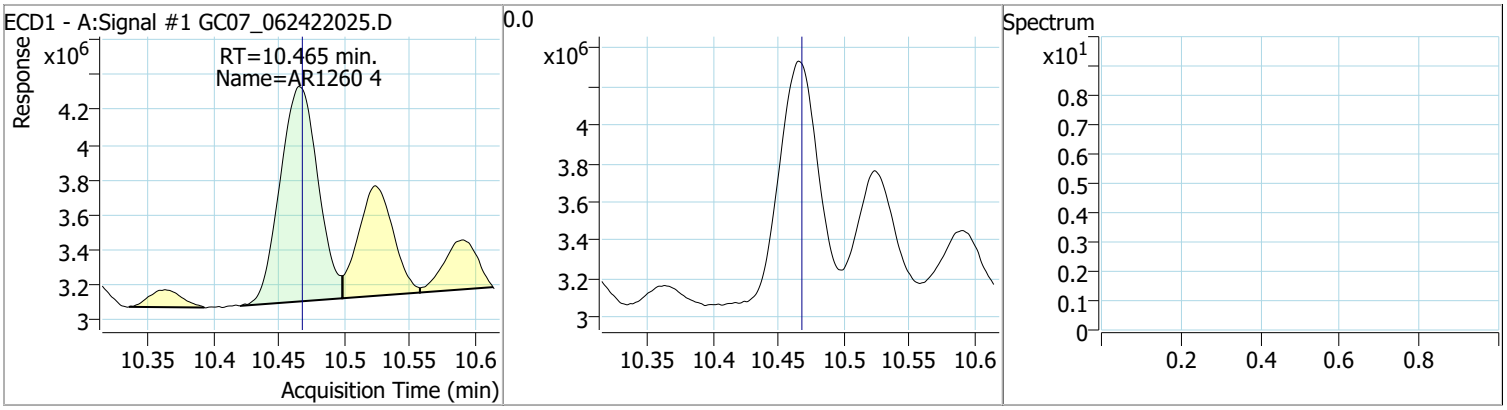
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	243.2066	9.91	0.00	4833211				



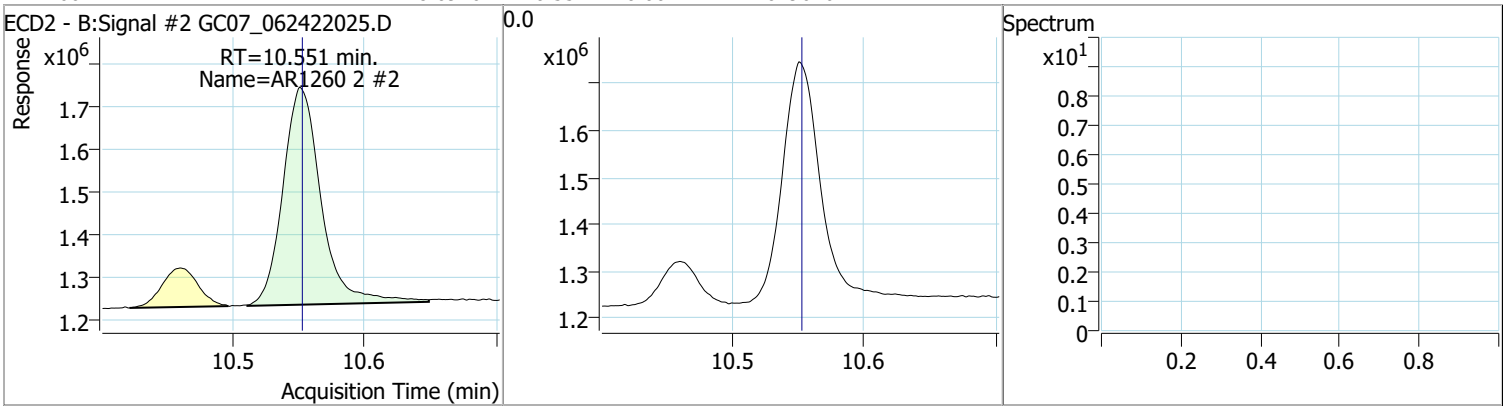
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	243.5747	10.25	0.00	909894				



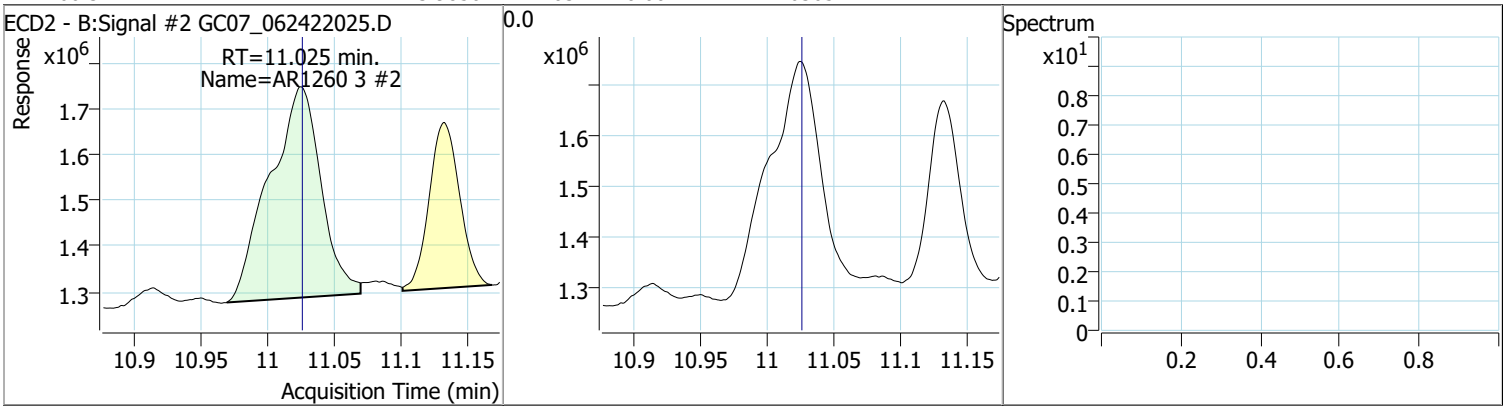
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	245.6043	10.47	0.00	2495136				



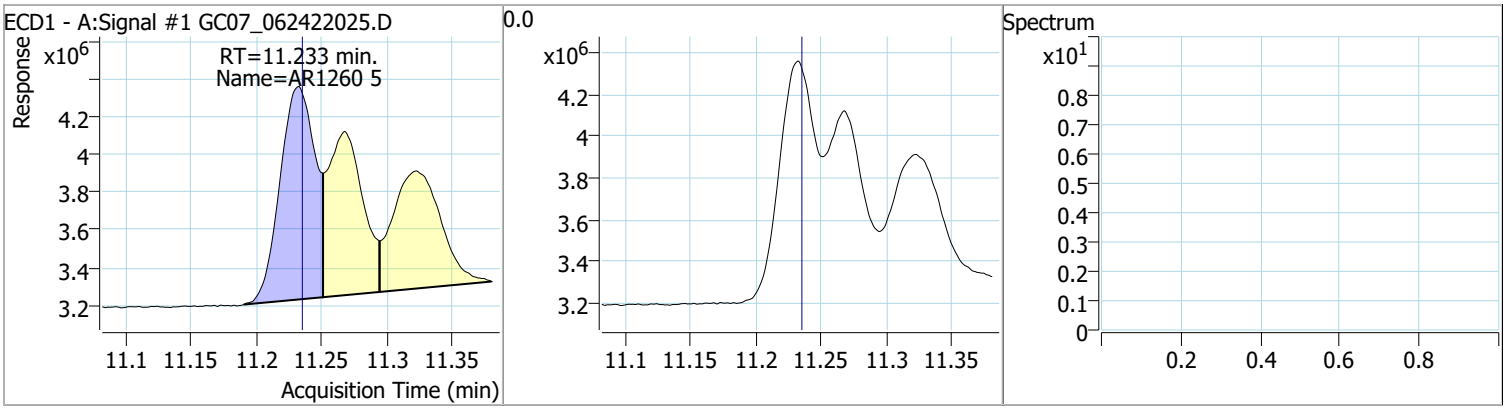
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	248.0916	10.55	0.00	1029646				



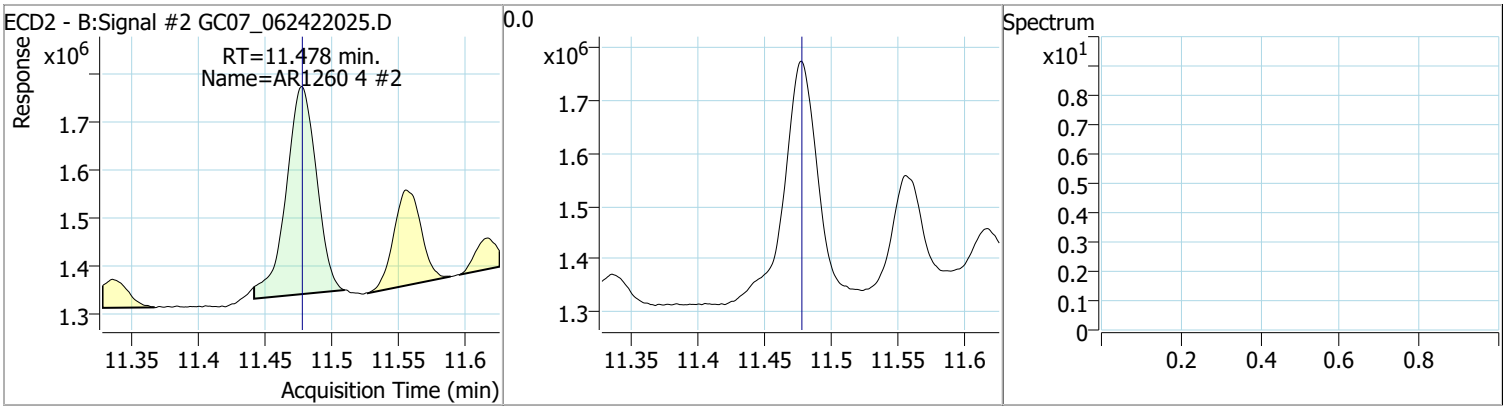
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	243.9850	11.03	0.00	1246365				



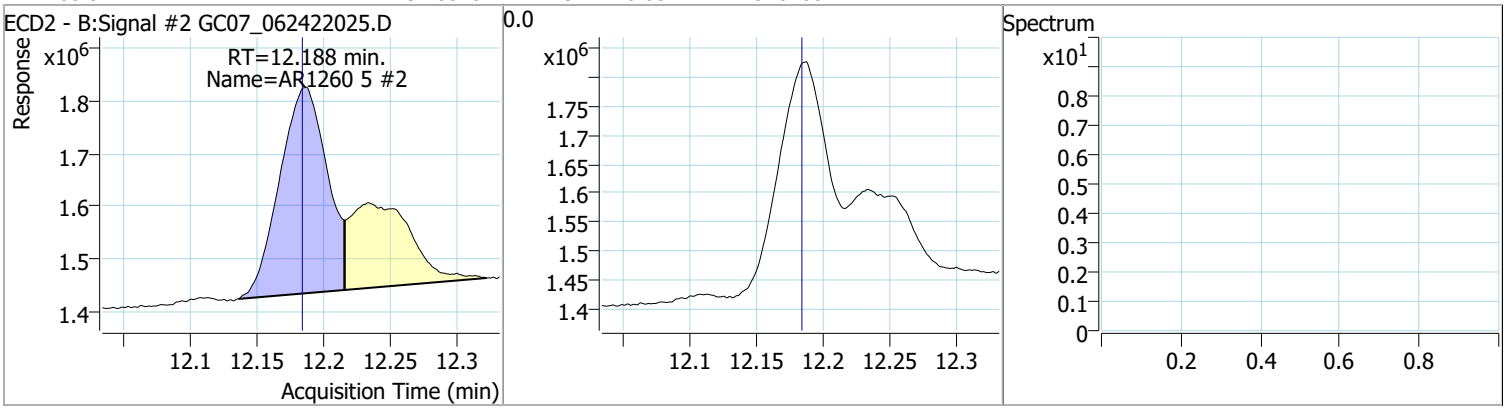
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	226.1231	11.23	0.00	2109055				



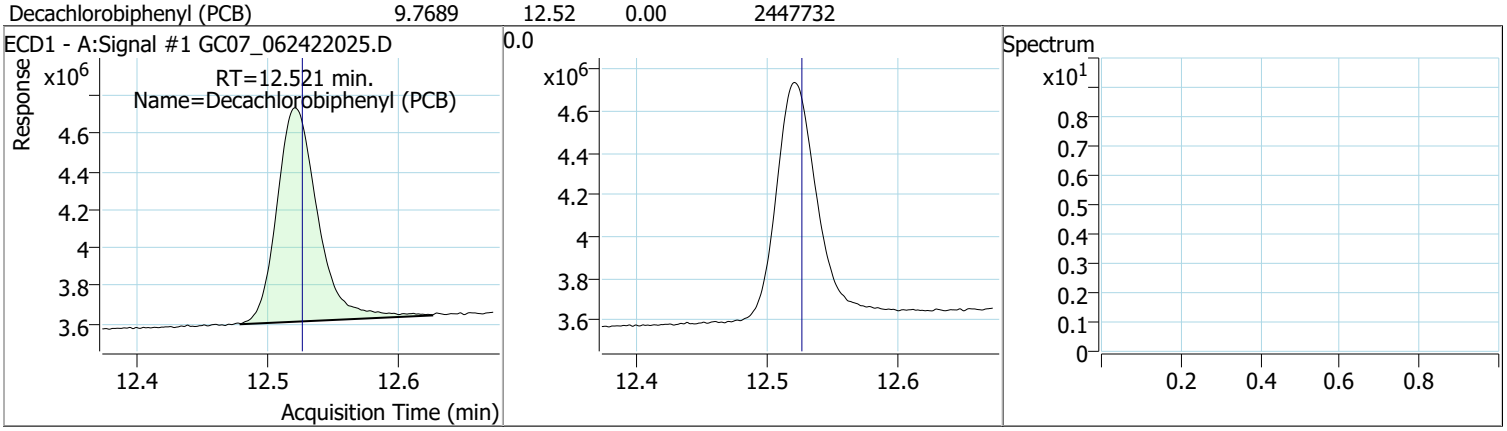
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	240.6325	11.48	0.00	689678				



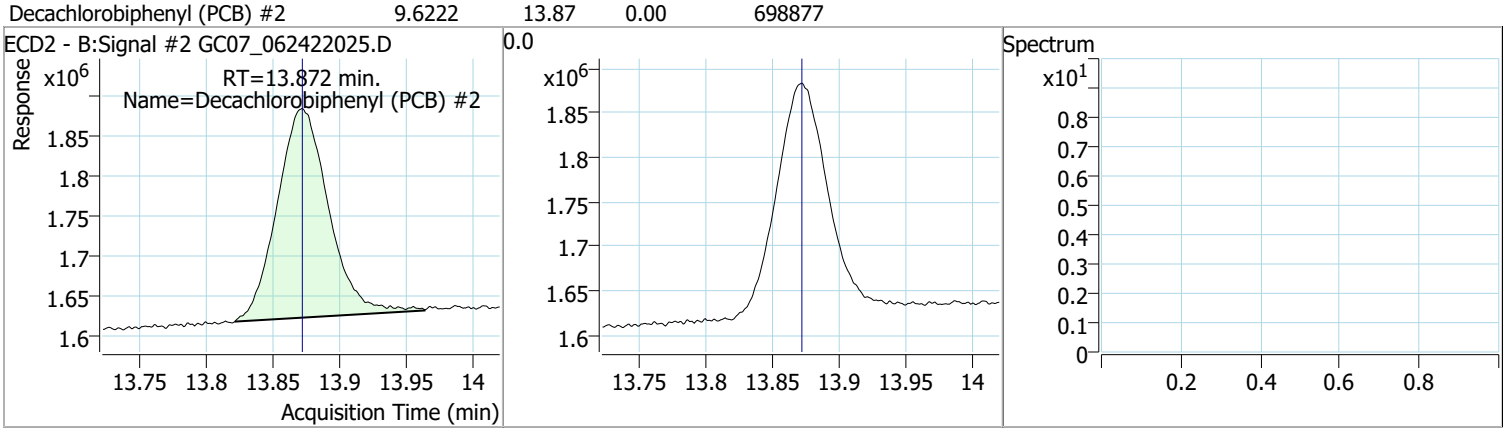
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	237.0076	12.19	0.00	976160				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	9.7689	12.52	0.00	2447732				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	9.6222	13.87	0.00	698877				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422026.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 1:49:37 AM
Sample Name	ICAL, S16726, 4	Instrument	SVOA-GC07
Vial	15	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
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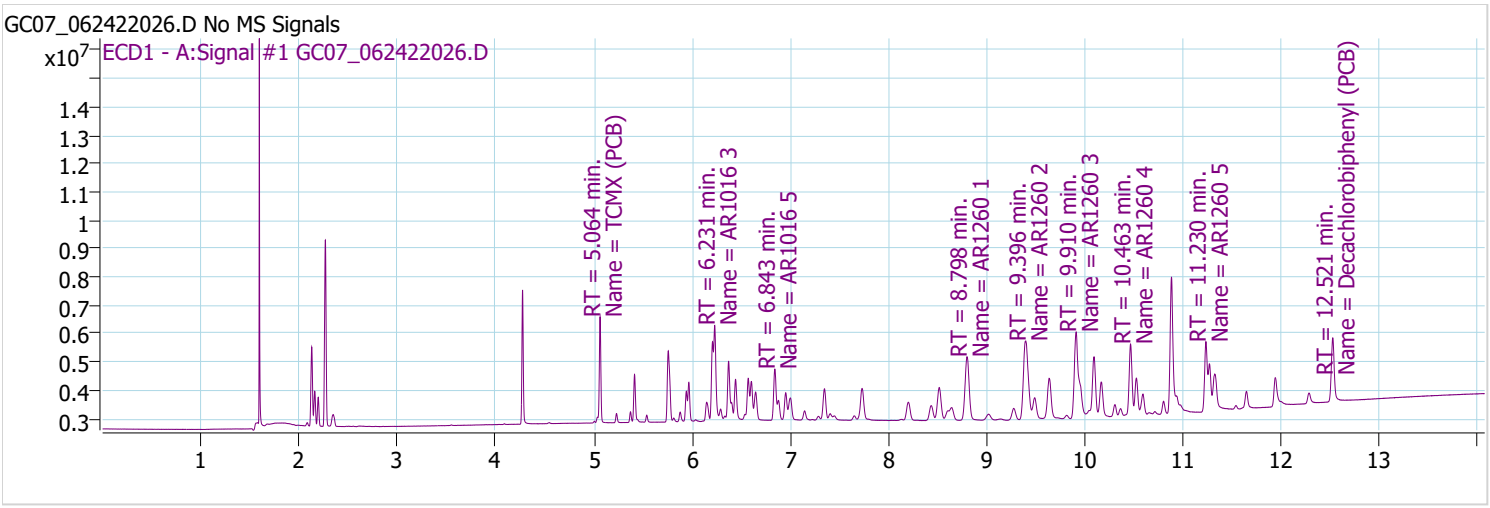
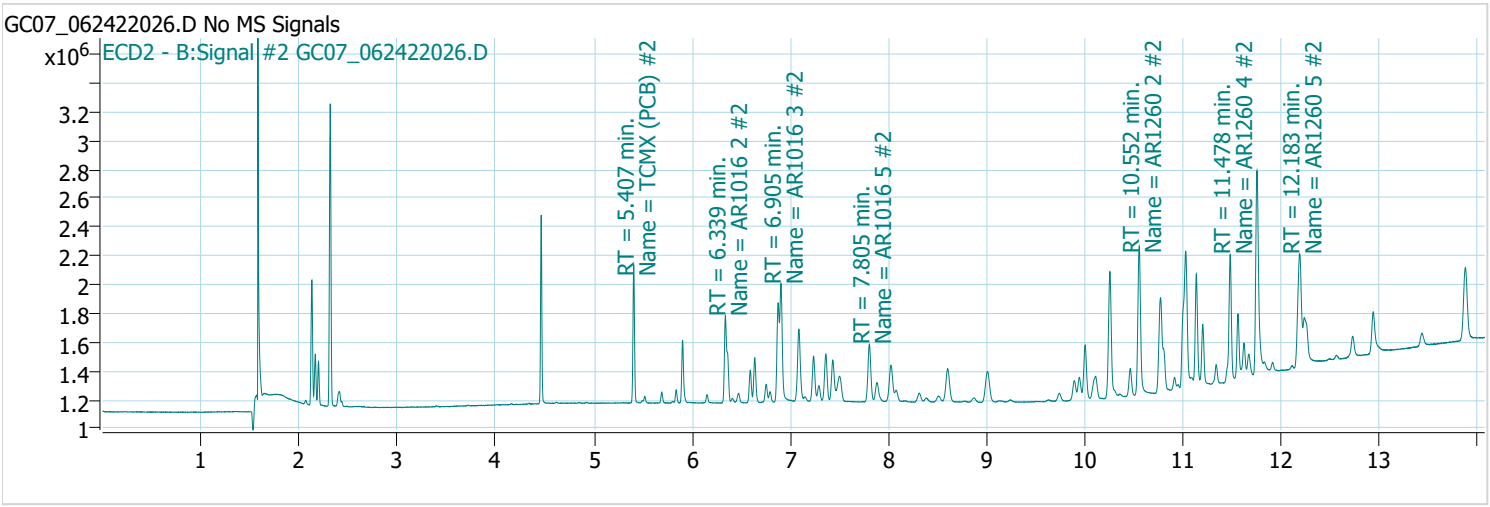


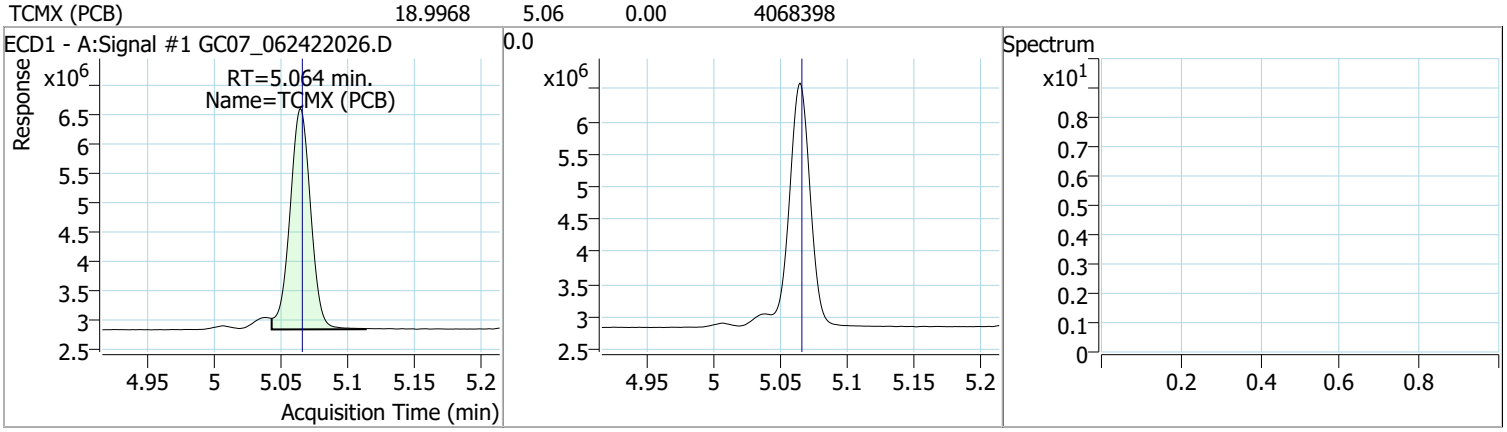


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.275	0.0	4540693.300	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.465	0.0	1187184.970	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.064	0.0	4068398.326	18.9968	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 94.98%		
S TCMX (PCB) #2	5.407	0.0	1061657.676	19.7050	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 98.52%		
S Decachlorobiphenyl (PCB)	12.521	0.0	4750520.056	18.7287	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 93.64%		
S Decachlorobiphenyl (PCB) #2	13.871	0.0	1358406.947	18.5821	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 92.91%		
Target Compounds						QValue

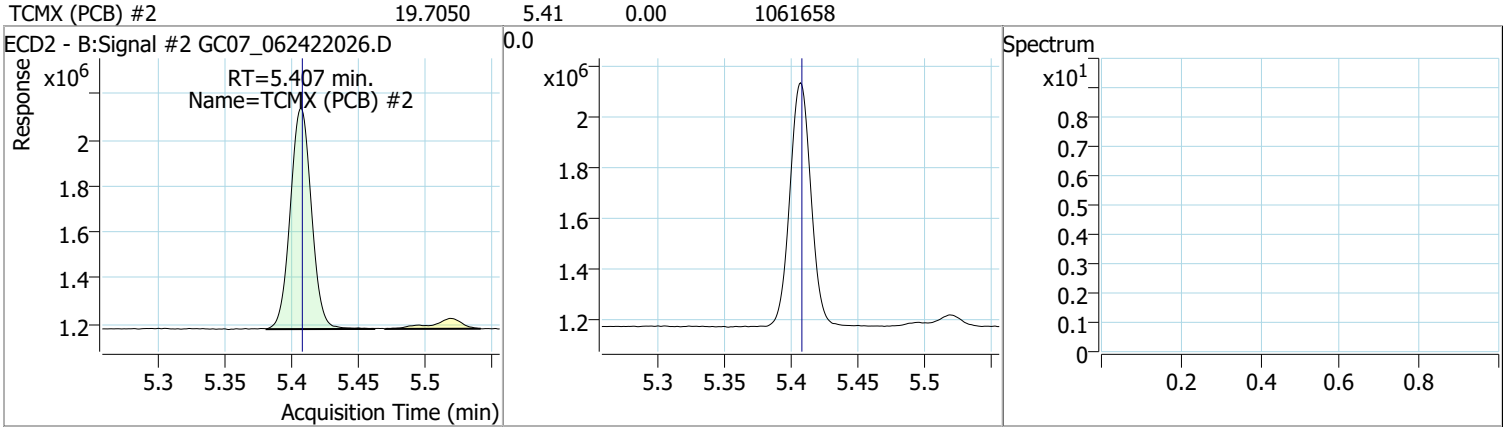
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.415	0.0	2181077.730	500.6865	ng/ml	m	100
T AR1016 2	5.758	0.0	4479111.074	474.4196	ng/ml		100
T AR1016 1 #2	5.903	0.0	577162.498	482.7572	ng/ml		100
T AR1016 3	6.231	0.0	5152757.064	471.3103	ng/ml		100
T AR1016 2 #2	6.339	0.0	1274235.221	489.4577	ng/ml		100
T AR1016 4	6.372	0.0	3772165.796	479.8021	ng/ml	m	100
T AR1016 5	6.843	0.0	3140346.738	479.5366	ng/ml		100
T AR1016 3 #2	6.905	0.0	1433477.993	480.0277	ng/ml		100
T AR1016 4 #2	7.088	0.0	997642.137	481.3524	ng/ml		100
T AR1016 5 #2	7.805	0.0	831109.616	480.0454	ng/ml		100
T AR1260 1	8.798	0.0	6580851.112	475.8643	ng/ml		100
T AR1260 2	9.396	0.0	9518154.550	479.4548	ng/ml		100
T AR1260 3	9.910	0.0	9630305.007	478.7001	ng/ml		100
T AR1260 1 #2	10.253	0.0	1836314.904	488.4021	ng/ml		100
T AR1260 4	10.463	0.0	4888050.985	475.2929	ng/ml		100
T AR1260 2 #2	10.552	0.0	2042124.120	488.8724	ng/ml		100
T AR1260 3 #2	11.025	0.0	2599120.827	505.5144	ng/ml		100
T AR1260 5	11.230	0.0	4589366.652	486.0640	ng/ml		100
T AR1260 4 #2	11.478	0.0	1366676.357	473.7649	ng/ml		100
T AR1260 5 #2	12.183	0.0	2021544.801	487.6564	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

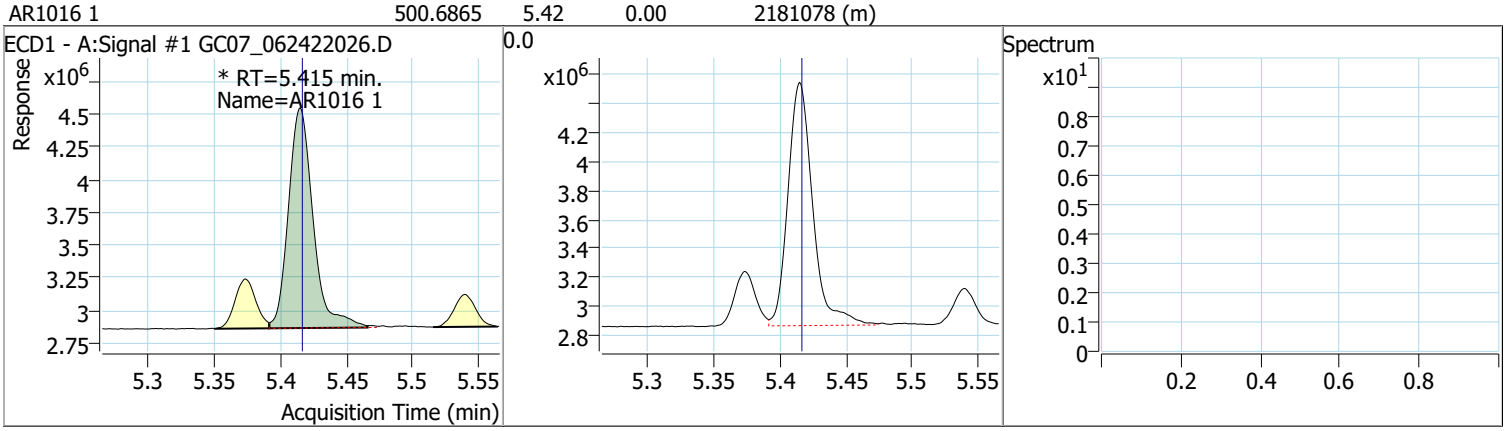
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	18.9968	5.06	0.00	4068398				



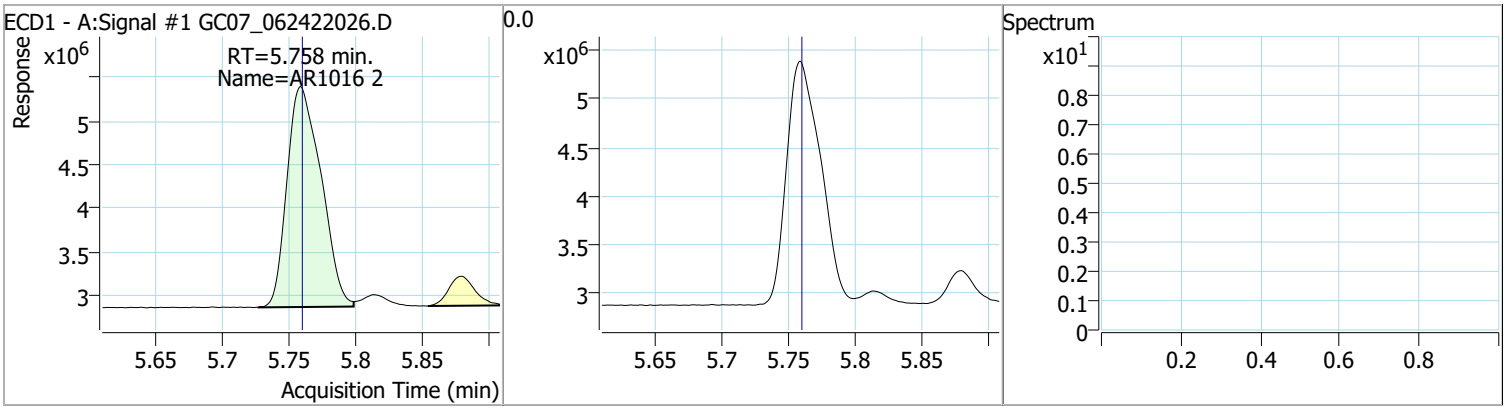
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	19.7050	5.41	0.00	1061658				



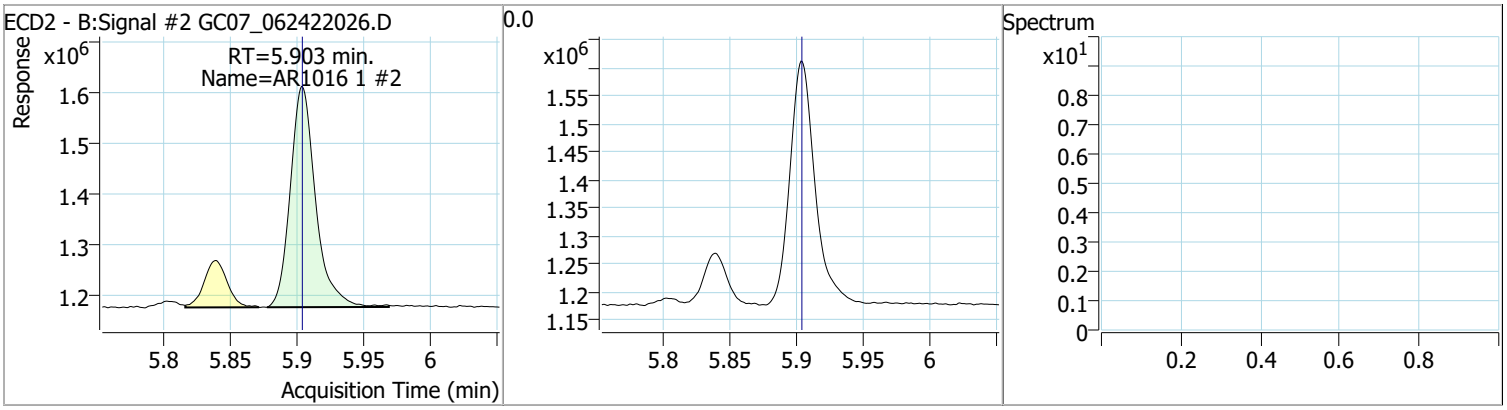
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	500.6865	5.42	0.00	2181078 (m)				



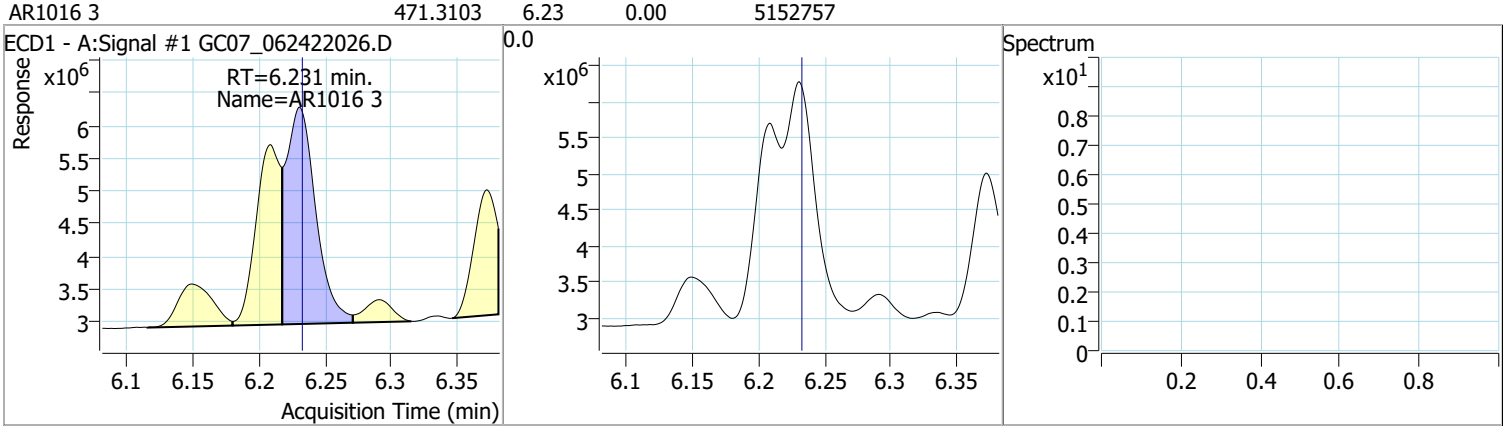
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	474.4196	5.76	0.00	4479111				



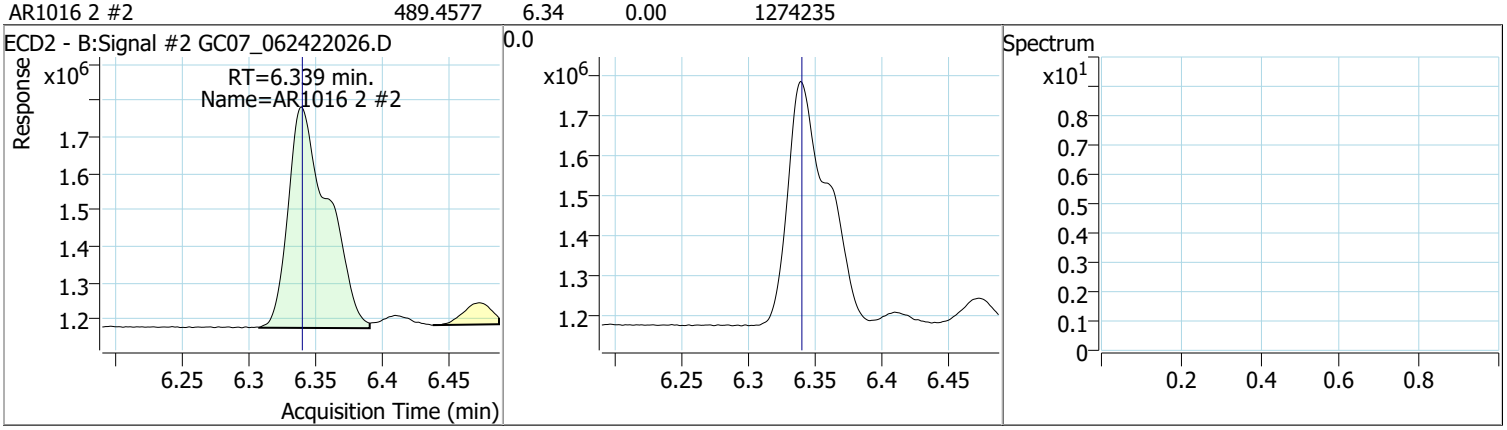
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	482.7572	5.90	0.00	577162				



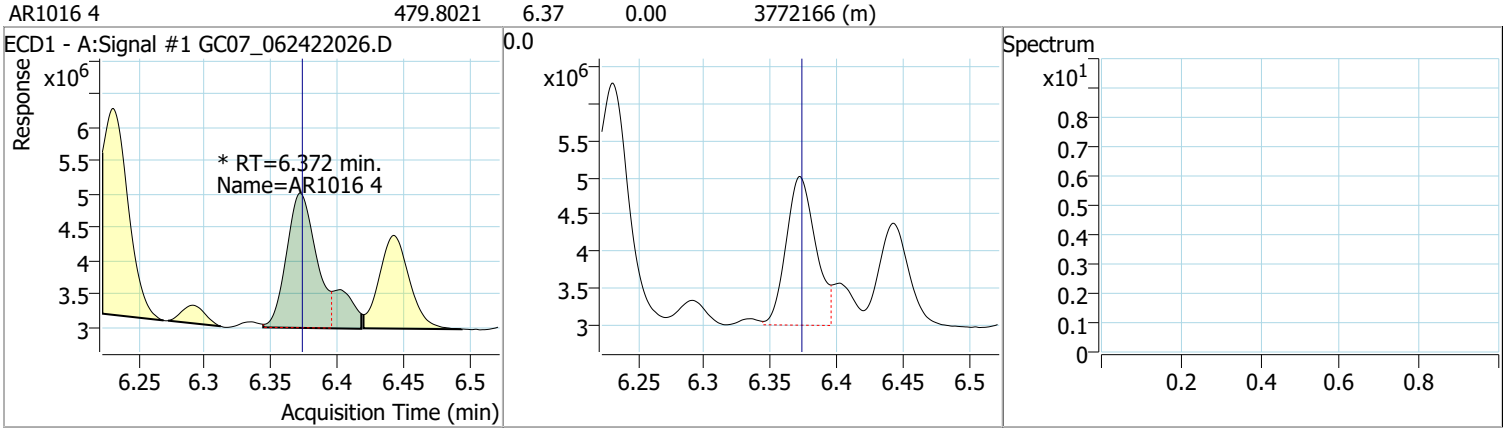
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	471.3103	6.23	0.00	5152757				



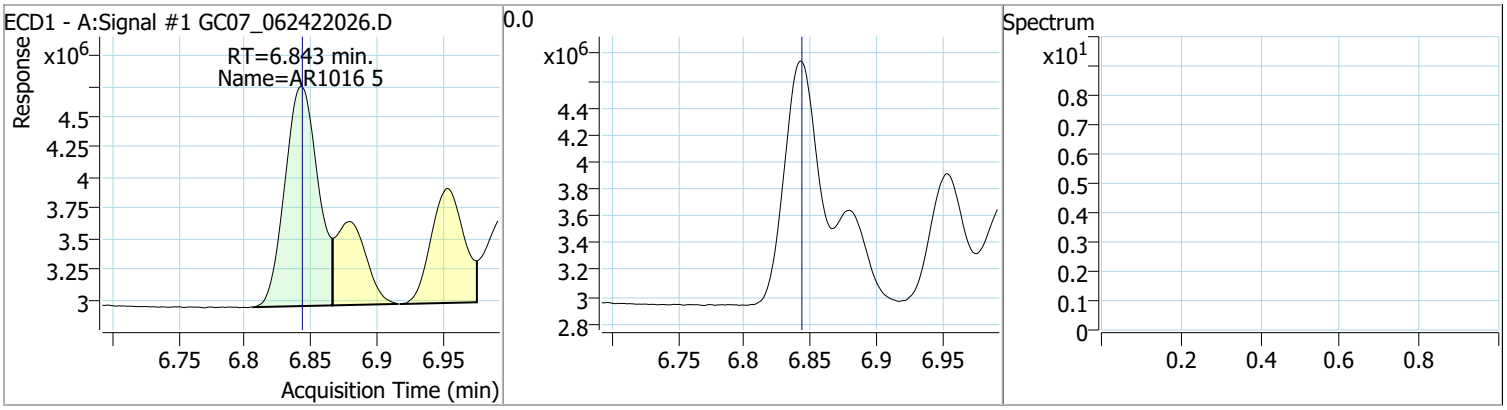
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	489.4577	6.34	0.00	1274235				



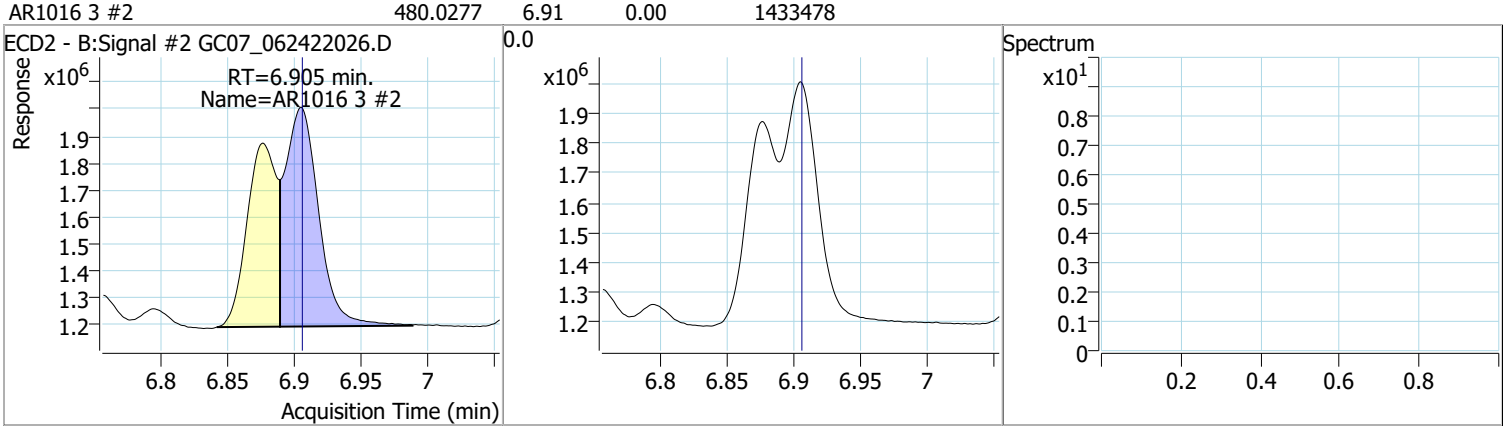
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	479.8021	6.37	0.00	3772166 (m)				



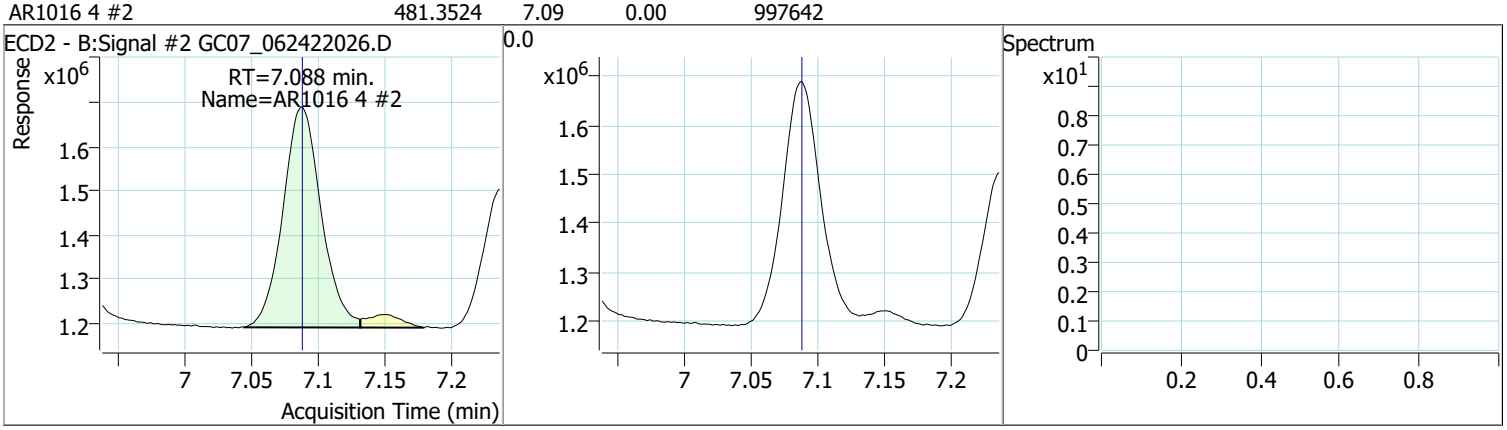
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	479.5366	6.84	0.00	3140347				



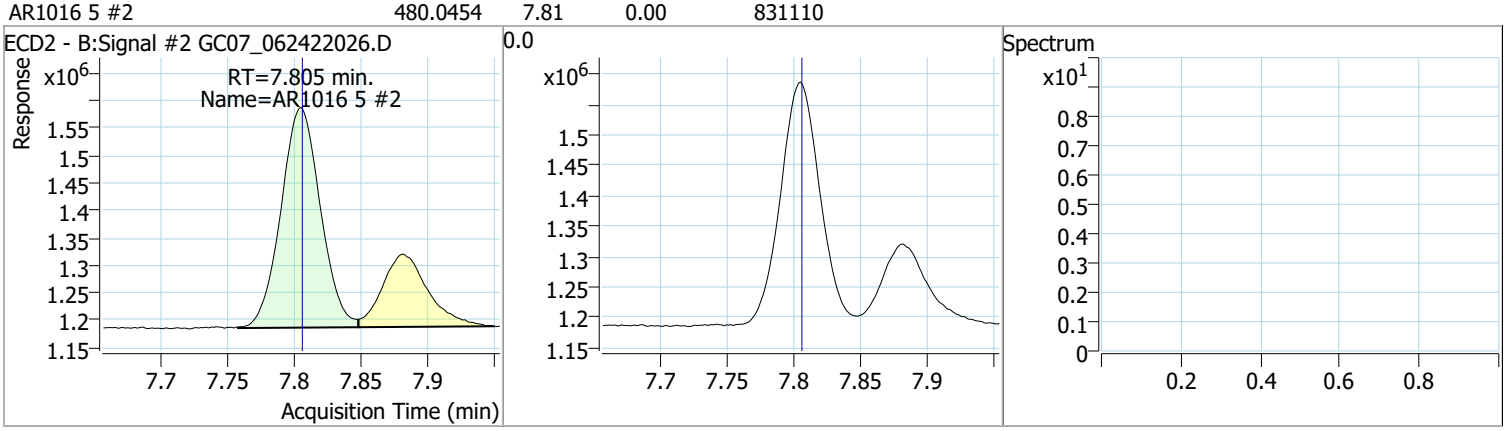
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	480.0277	6.91	0.00	1433478				



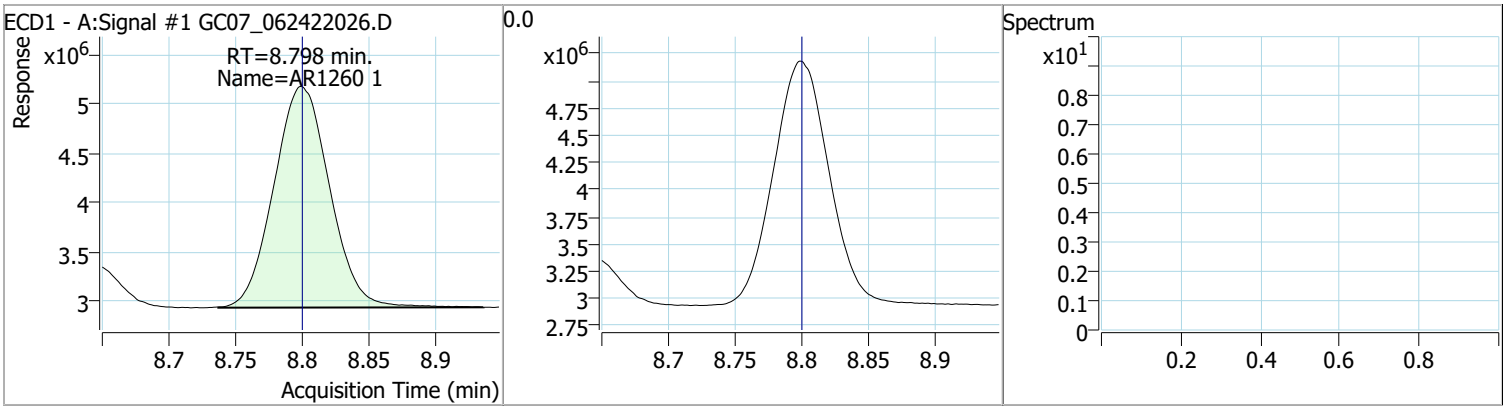
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	481.3524	7.09	0.00	997642				



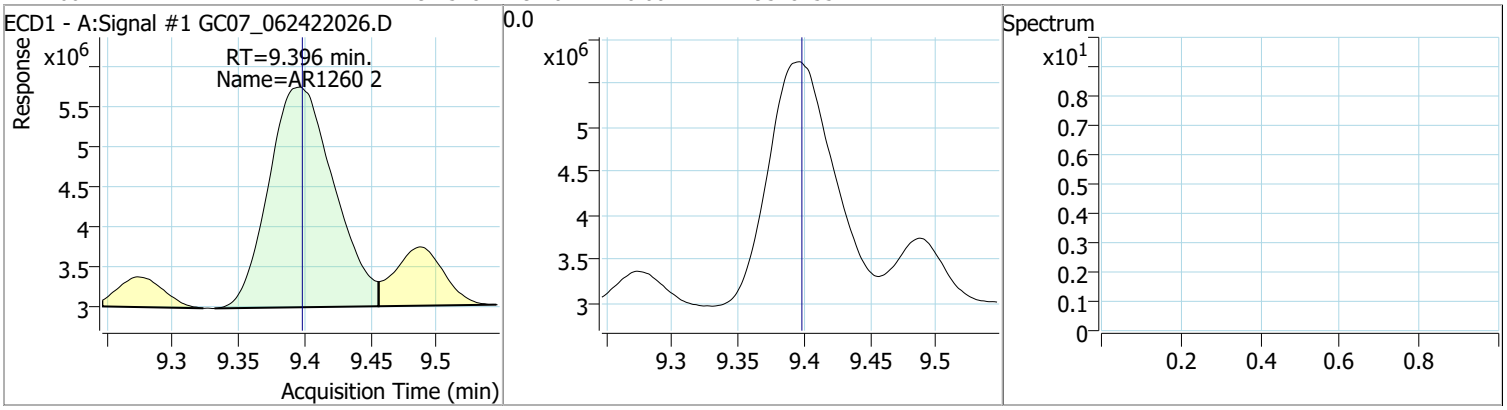
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	480.0454	7.81	0.00	831110				



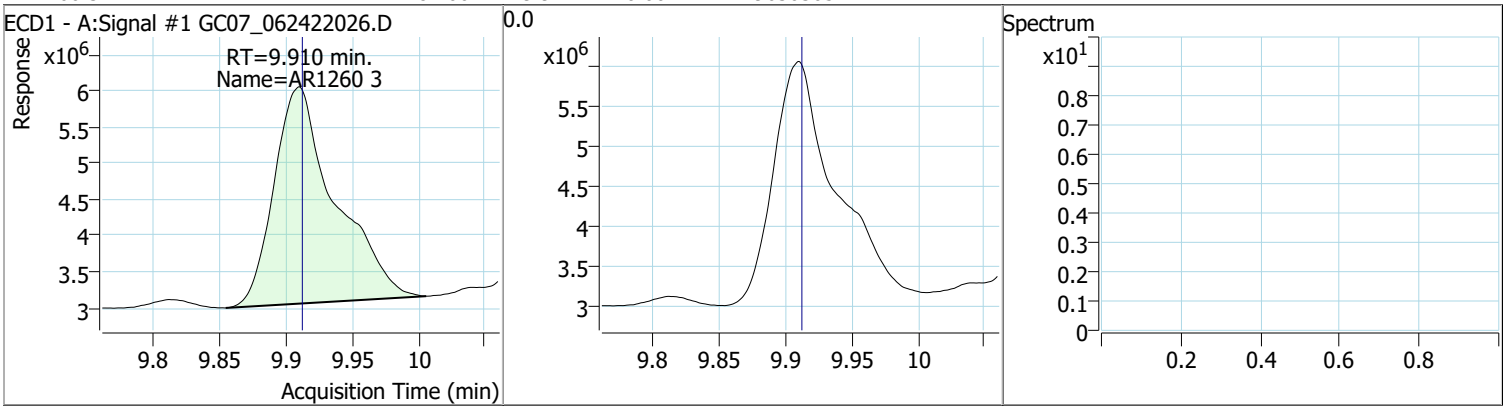
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	475.8643	8.80	0.00	6580851				



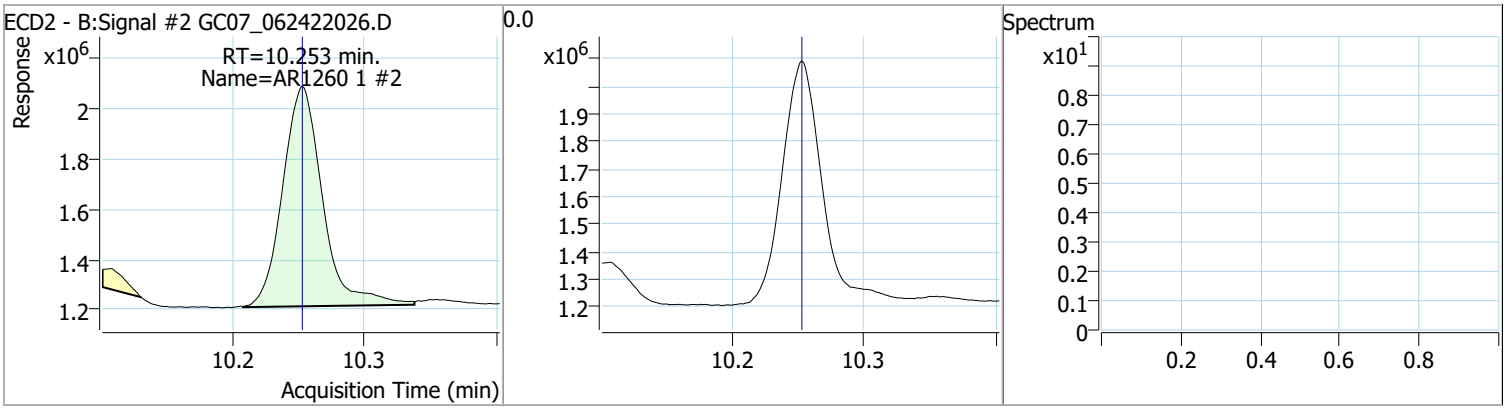
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	479.4548	9.40	0.00	9518155				



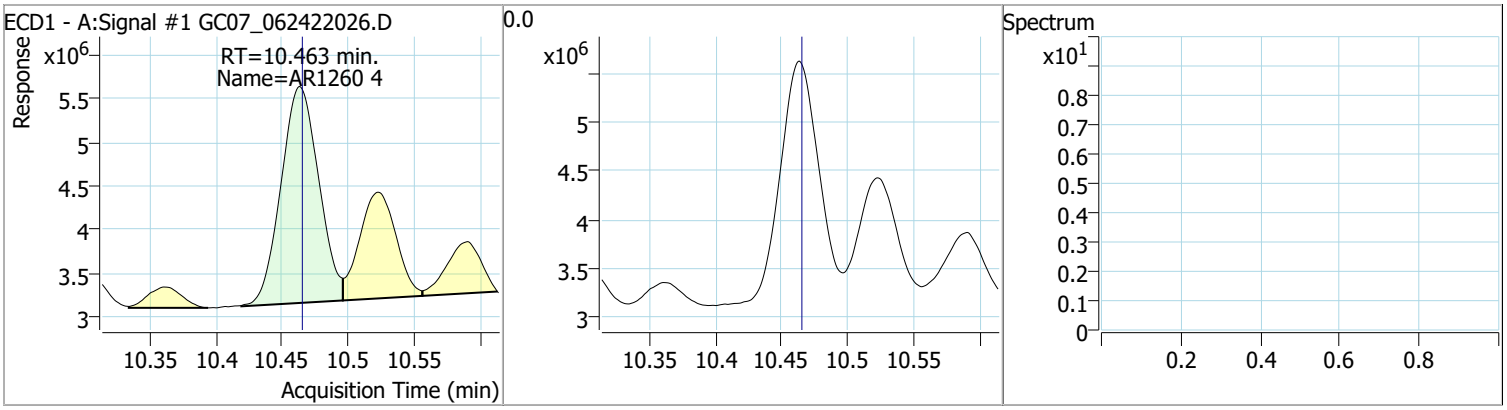
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	478.7001	9.91	0.00	9630305				



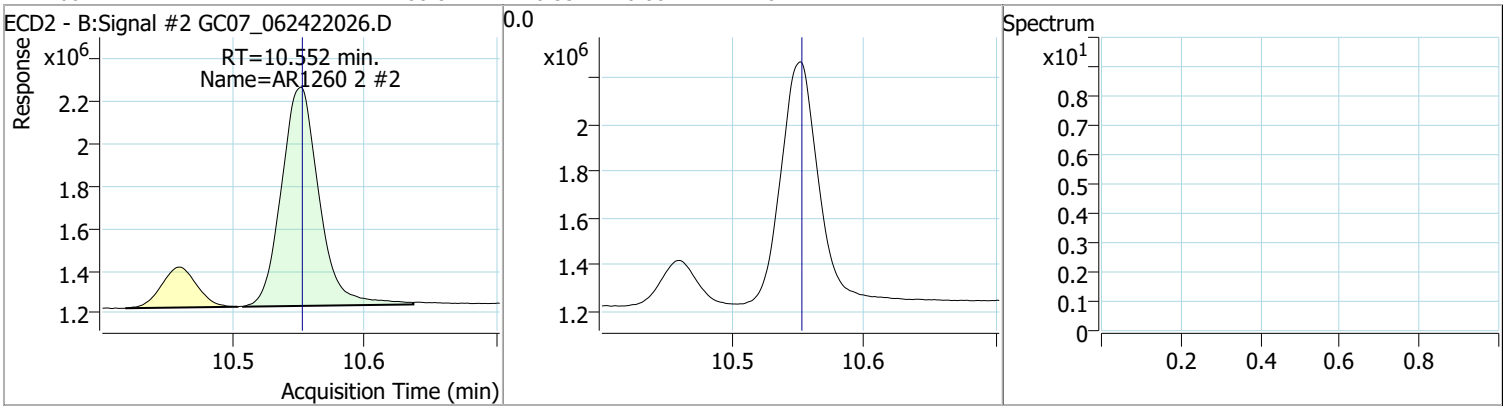
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	488.4021	10.25	0.00	1836315				



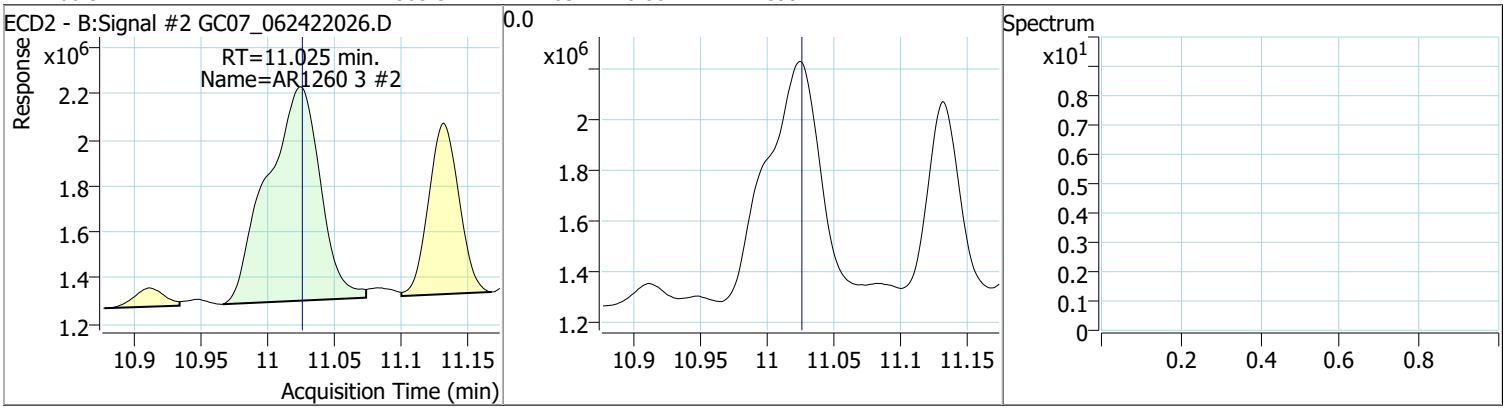
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	475.2929	10.46	0.00	4888051				



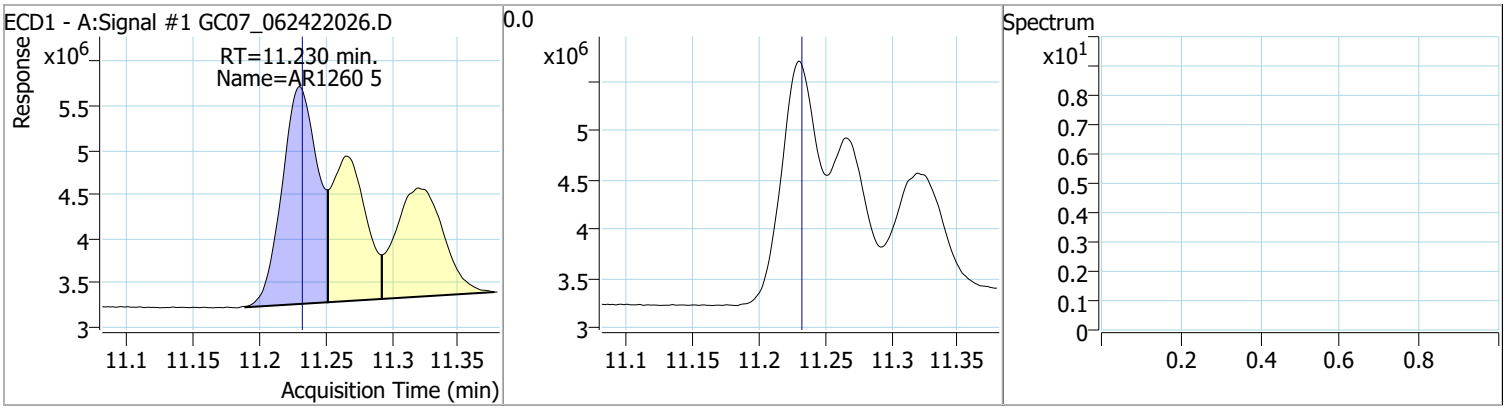
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	488.8724	10.55	0.00	2042124				



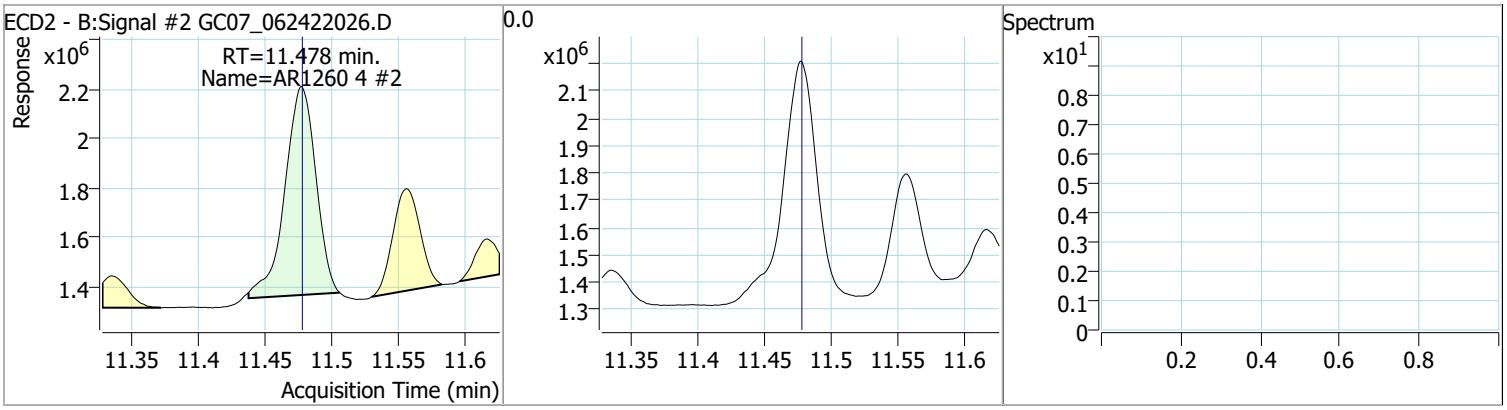
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	505.5144	11.03	0.00	2599121				



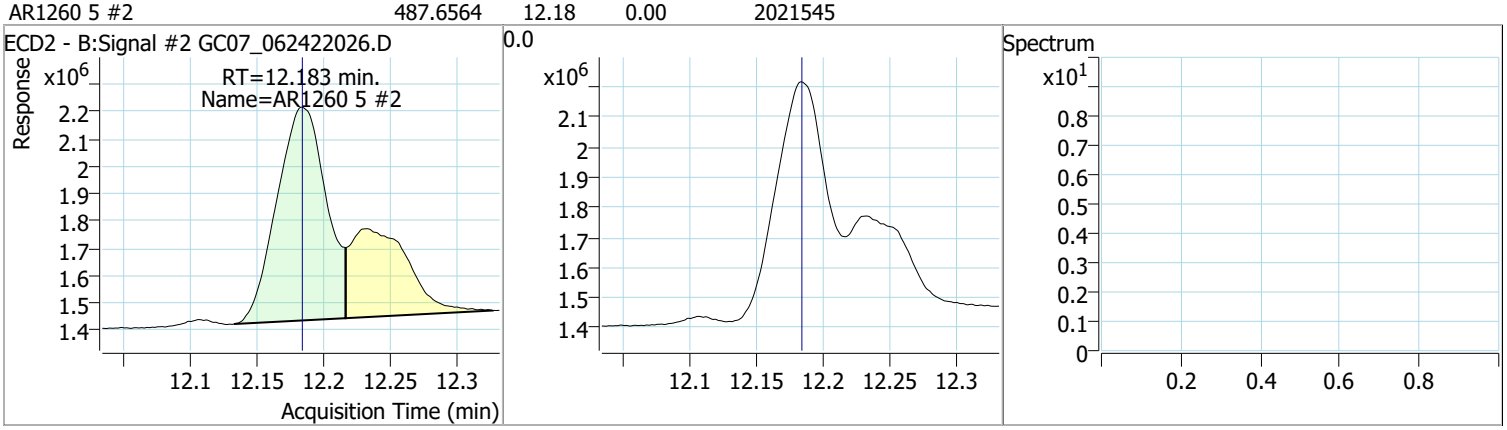
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	486.0640	11.23	0.00	4589367				



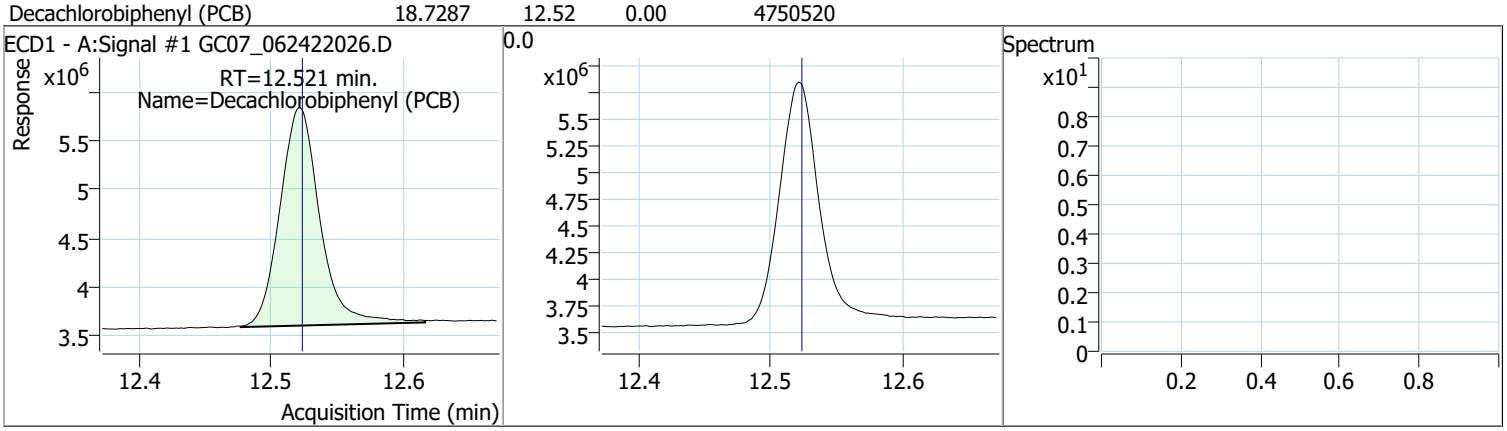
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	473.7649	11.48	0.00	1366676				



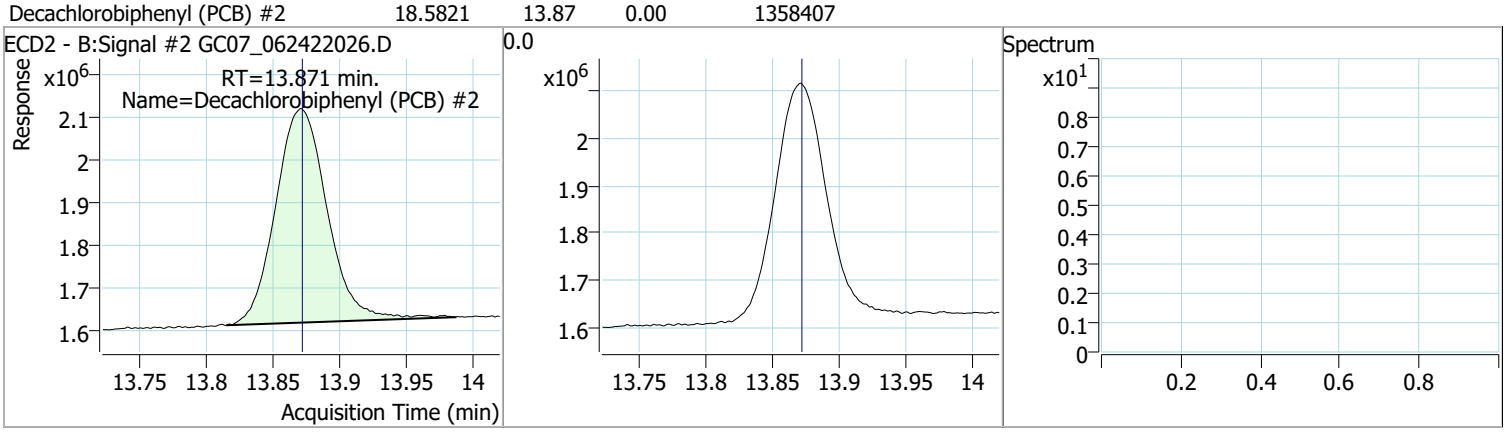
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	487.6564	12.18	0.00	2021545				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	18.7287	12.52	0.00	4750520				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	18.5821	13.87	0.00	1358407				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422027.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 2:07:06 AM
Sample Name	ICAL, S16726, 2.66	Instrument	SVOA-GC07
Vial	16	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	750 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
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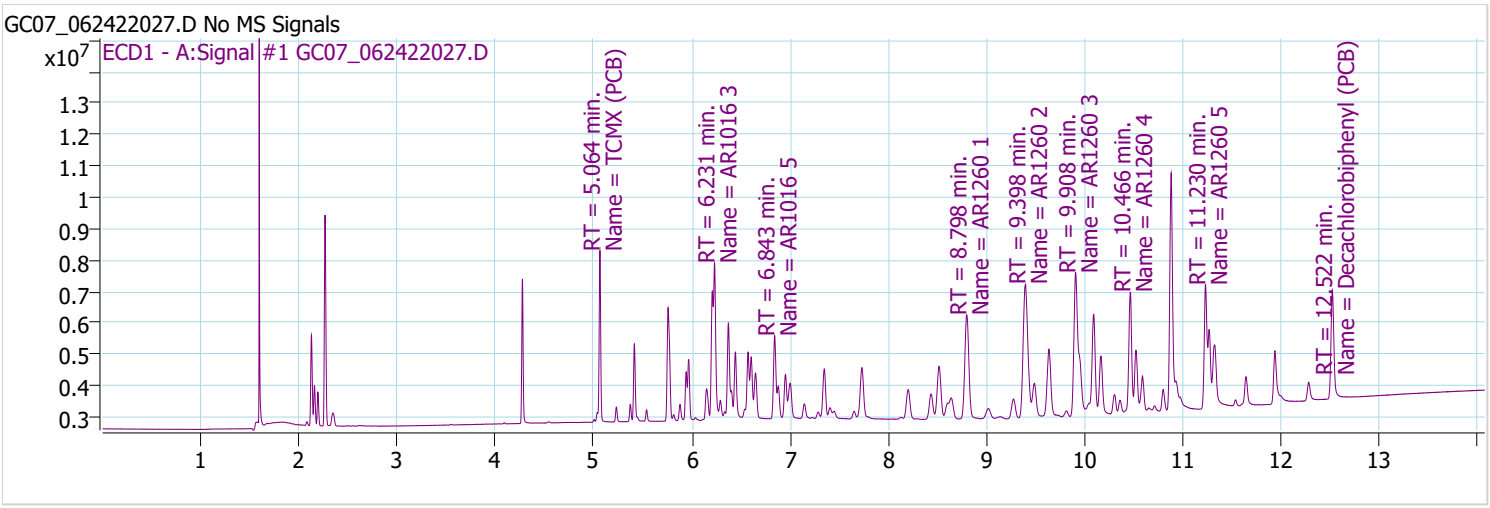
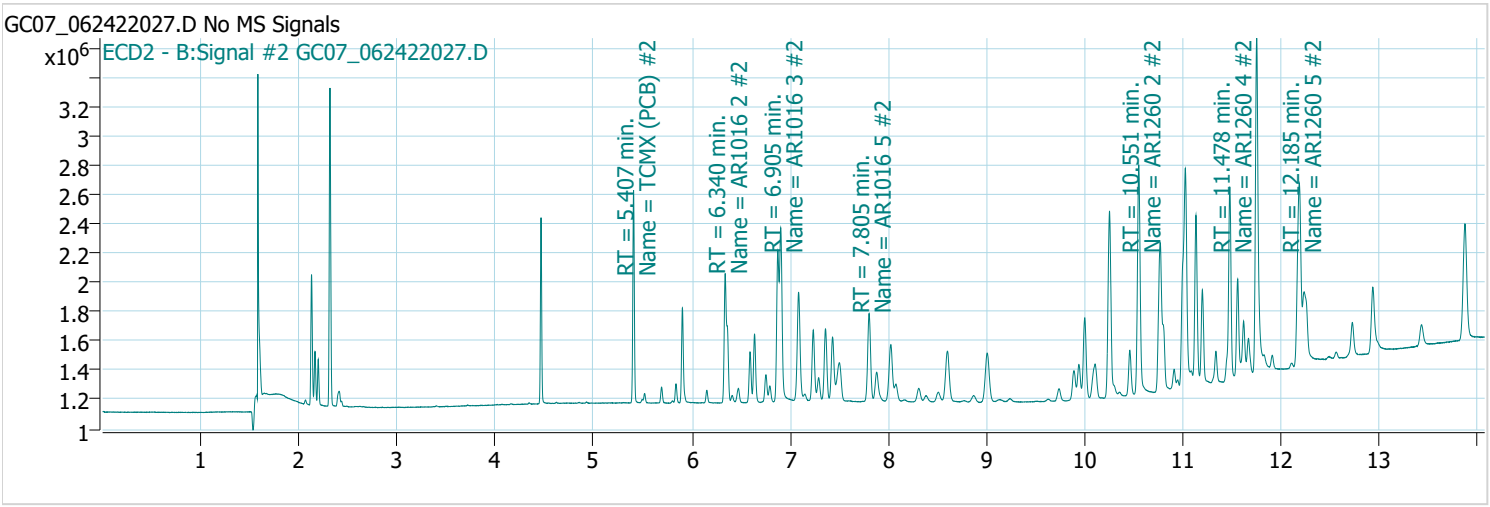


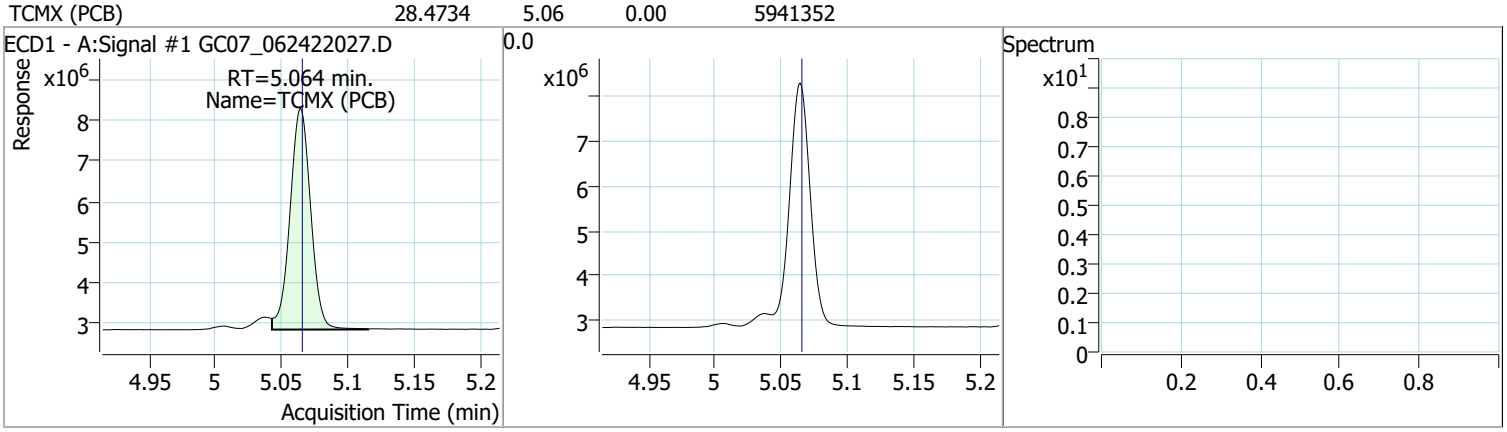


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.275	0.0	4424105.000	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.464	0.0	1157107.608	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.064	0.0	5941351.881	28.4734	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 142.37%		
S TCMX (PCB) #2	5.407	0.0	1565711.877	29.8159	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 149.08%		
S Decachlorobiphenyl (PCB)	12.522	0.0	7275207.517	29.4381	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 147.19%		
S Decachlorobiphenyl (PCB) #2	13.873	0.0	2090754.941	29.3435	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 146.72%		
Target Compounds						QValue

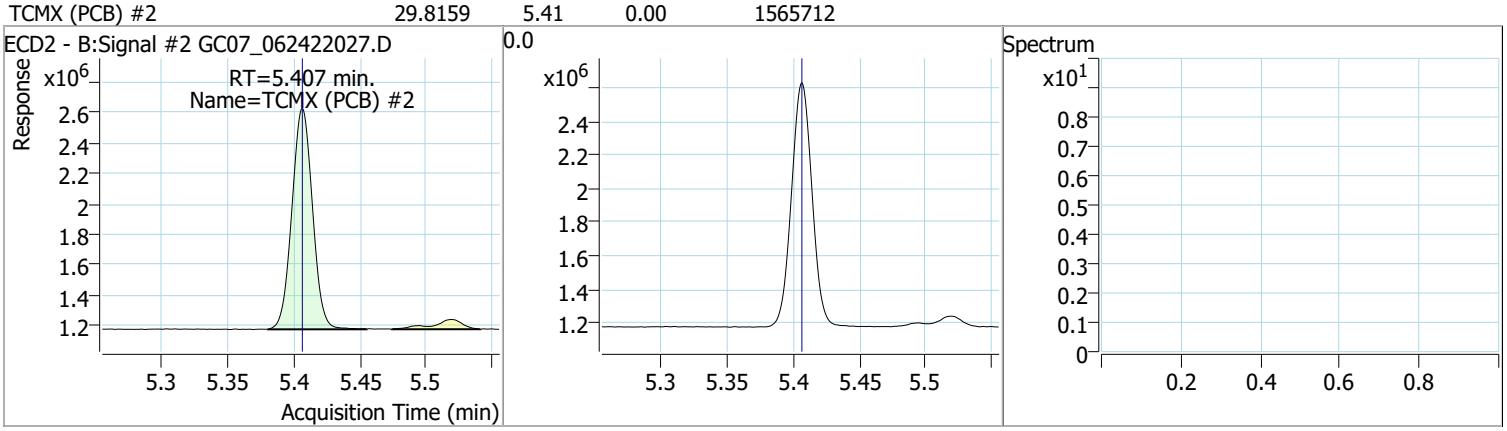
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.415	0.0	2987472.255	703.8748	ng/ml	m	100
T AR1016 2	5.758	0.0	6390444.056	694.7020	ng/ml		100
T AR1016 1 #2	5.904	0.0	850617.917	729.9780	ng/ml		100
T AR1016 3	6.231	0.0	7527661.058	706.6821	ng/ml		100
T AR1016 2 #2	6.340	0.0	1843224.286	726.4210	ng/ml		100
T AR1016 4	6.372	0.0	5500669.792	718.0979	ng/ml	m	100
T AR1016 5	6.843	0.0	4575781.288	717.1436	ng/ml		100
T AR1016 3 #2	6.905	0.0	2117268.136	727.4376	ng/ml		100
T AR1016 4 #2	7.087	0.0	1498091.864	741.6030	ng/ml		100
T AR1016 5 #2	7.805	0.0	1242512.045	736.3245	ng/ml		100
T AR1260 1	8.798	0.0	10255961.782	761.1569	ng/ml		100
T AR1260 2	9.398	0.0	14181456.773	733.1832	ng/ml		100
T AR1260 3	9.908	0.0	14575945.035	743.6300	ng/ml		100
T AR1260 1 #2	10.253	0.0	2744668.361	748.9708	ng/ml		100
T AR1260 4	10.466	0.0	7305100.785	729.0352	ng/ml		100
T AR1260 2 #2	10.551	0.0	3083387.233	757.3316	ng/ml		100
T AR1260 3 #2	11.025	0.0	3988085.687	795.8224	ng/ml		100
T AR1260 5	11.230	0.0	7433526.896	808.0391	ng/ml		100
T AR1260 4 #2	11.478	0.0	2244748.204	798.3797	ng/ml		100
T AR1260 5 #2	12.185	0.0	3113694.070	770.6392	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

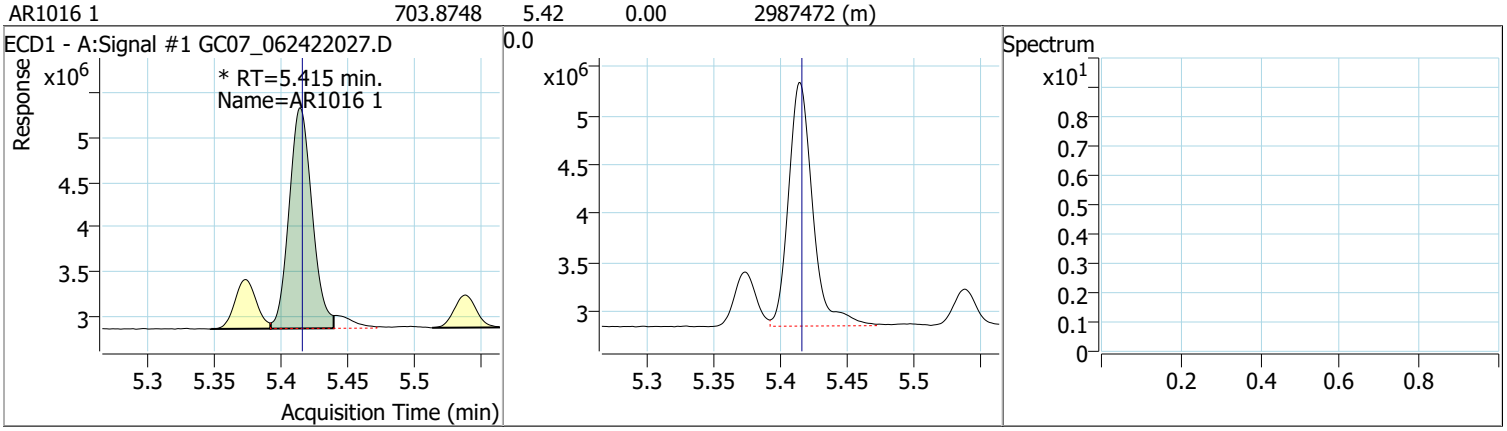
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	28.4734	5.06	0.00	5941352				



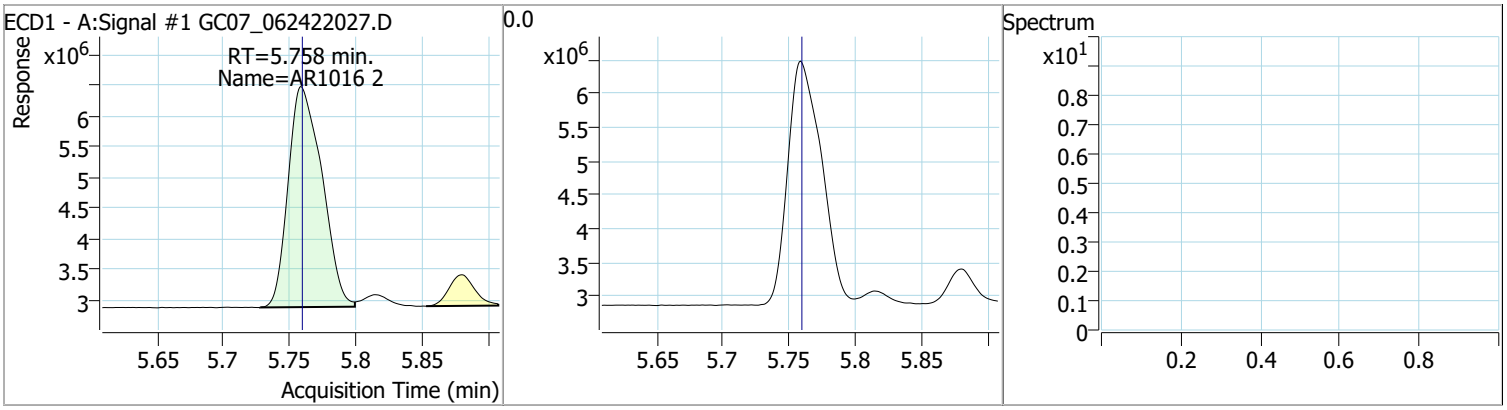
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	29.8159	5.41	0.00	1565712				



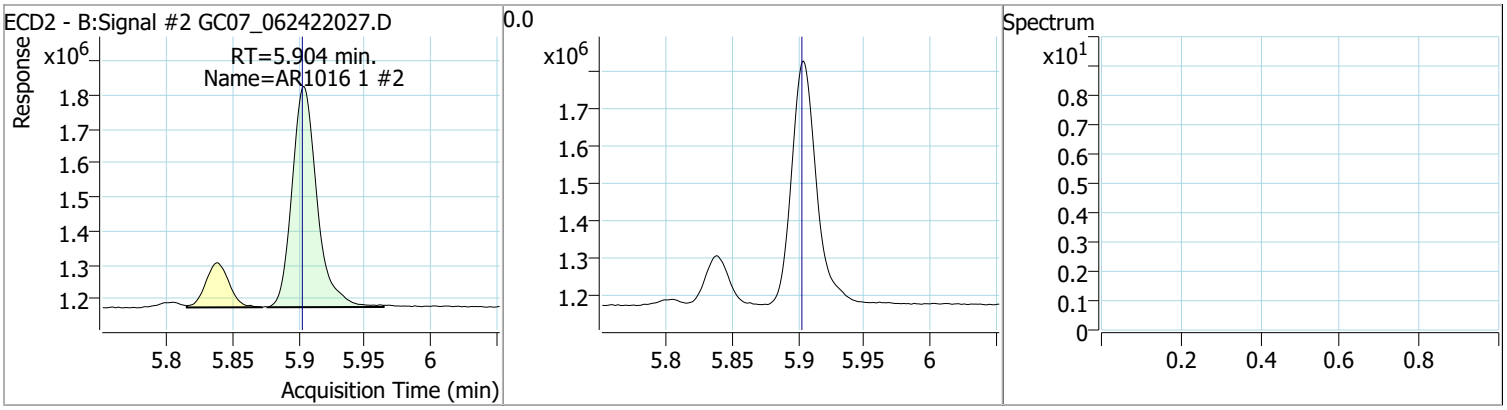
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	703.8748	5.42	0.00	2987472 (m)				



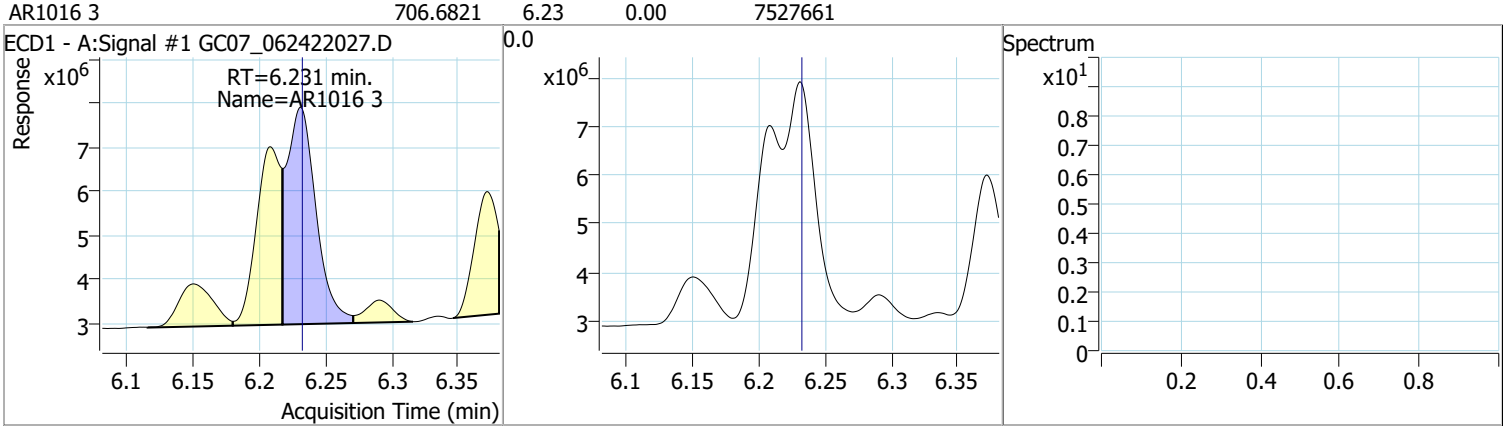
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	694.7020	5.76	0.00	6390444				



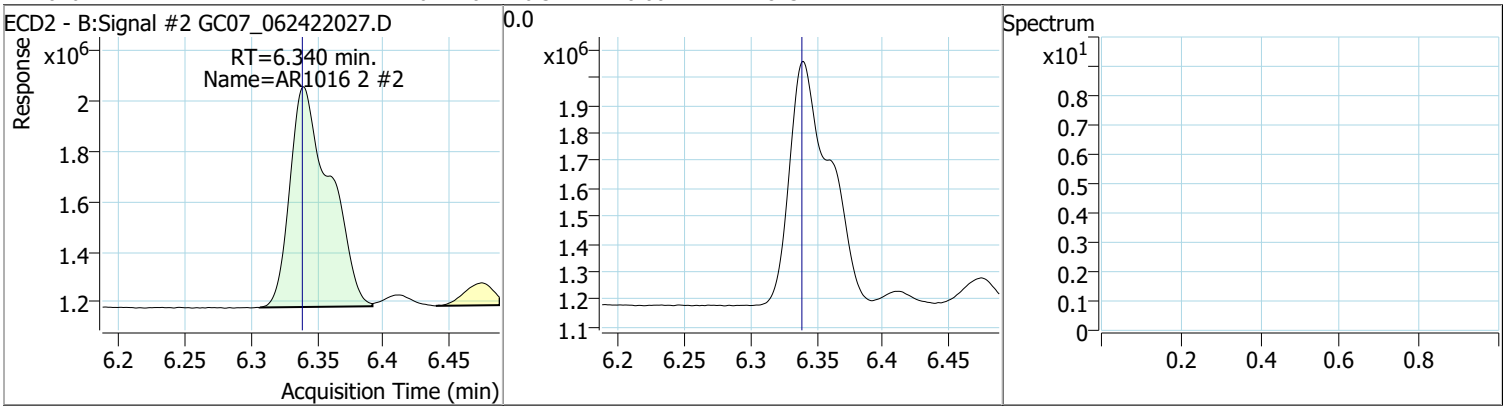
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	729.9780	5.90	0.00	850618				



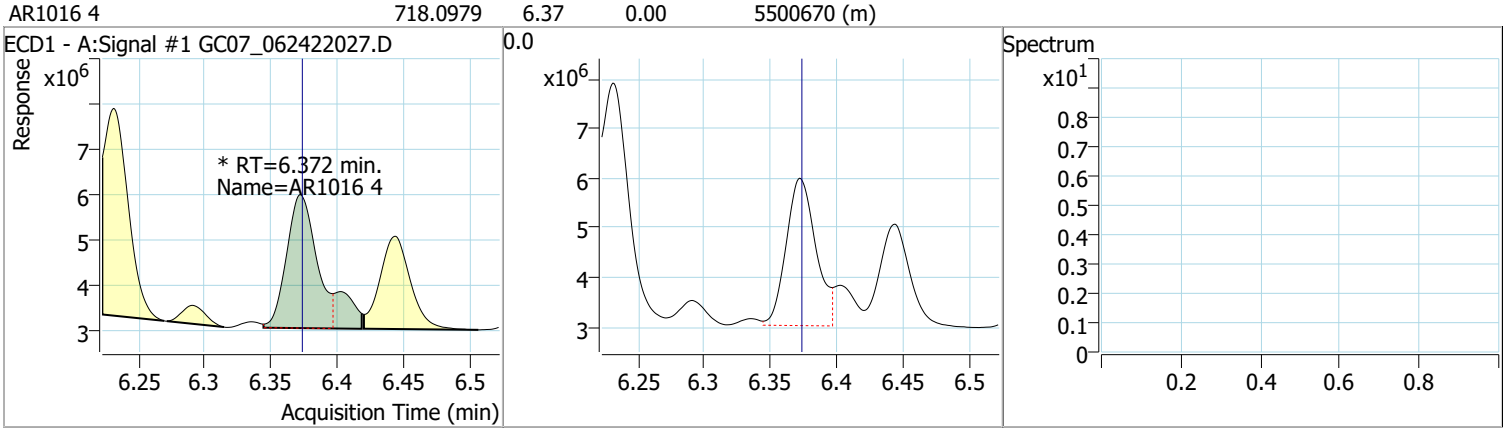
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	706.6821	6.23	0.00	7527661				



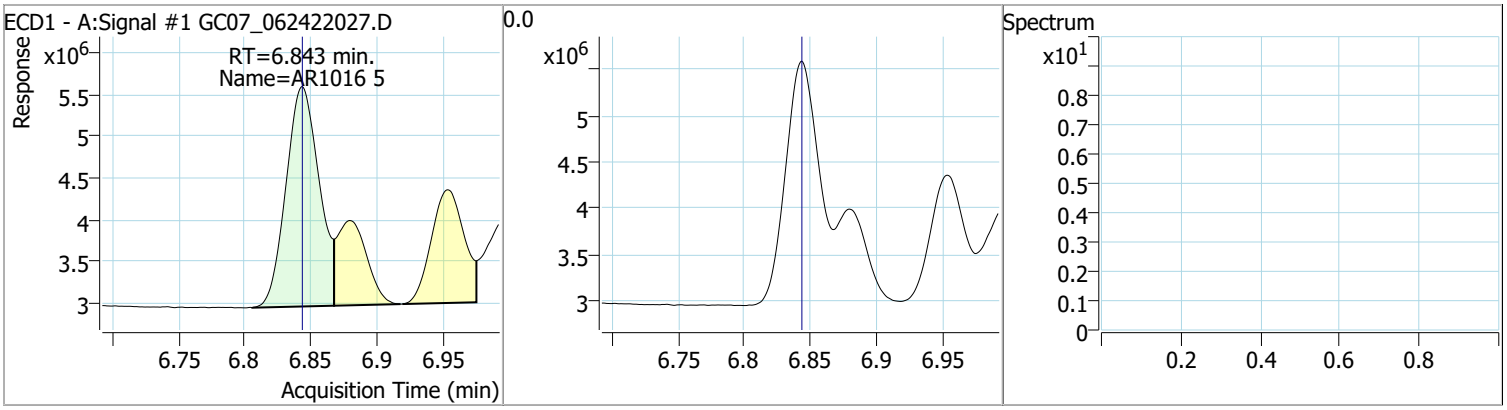
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	726.4210	6.34	0.00	1843224				



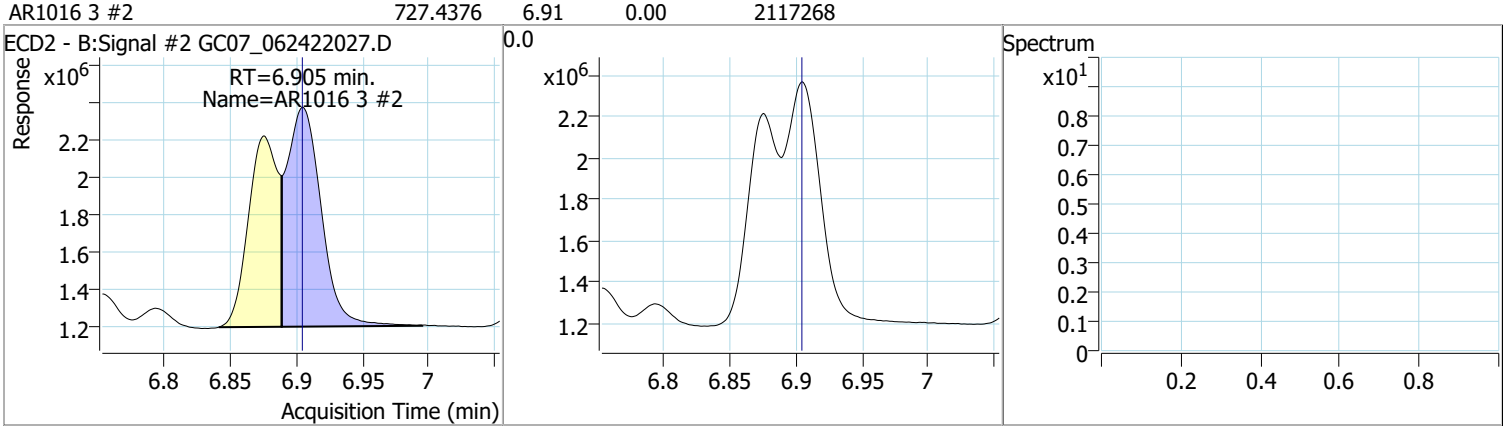
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	718.0979	6.37	0.00	5500670 (m)				



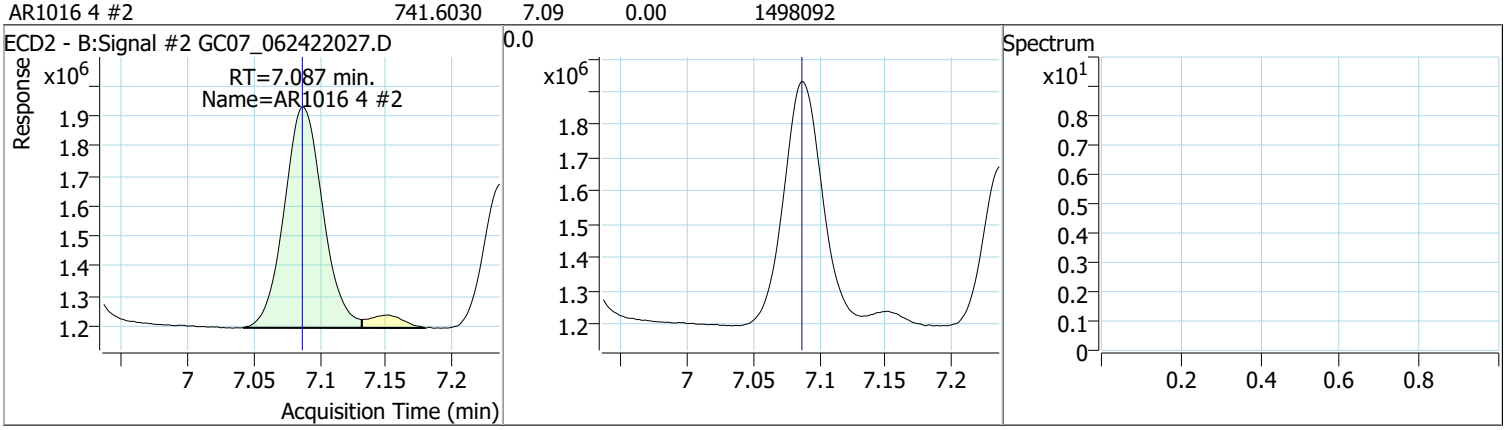
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	717.1436	6.84	0.00	4575781				



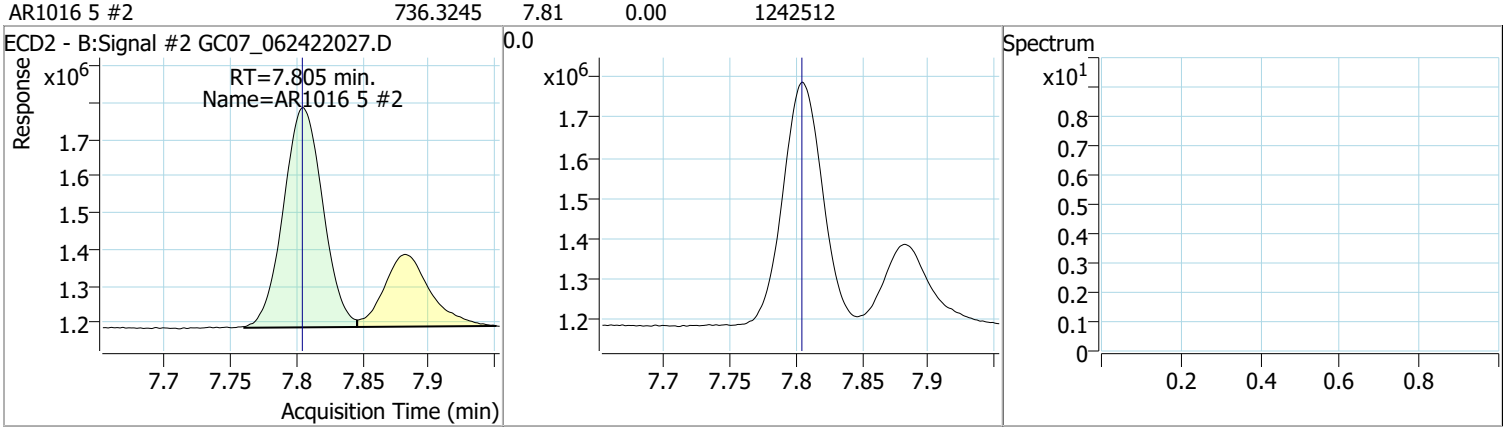
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	727.4376	6.91	0.00	2117268				



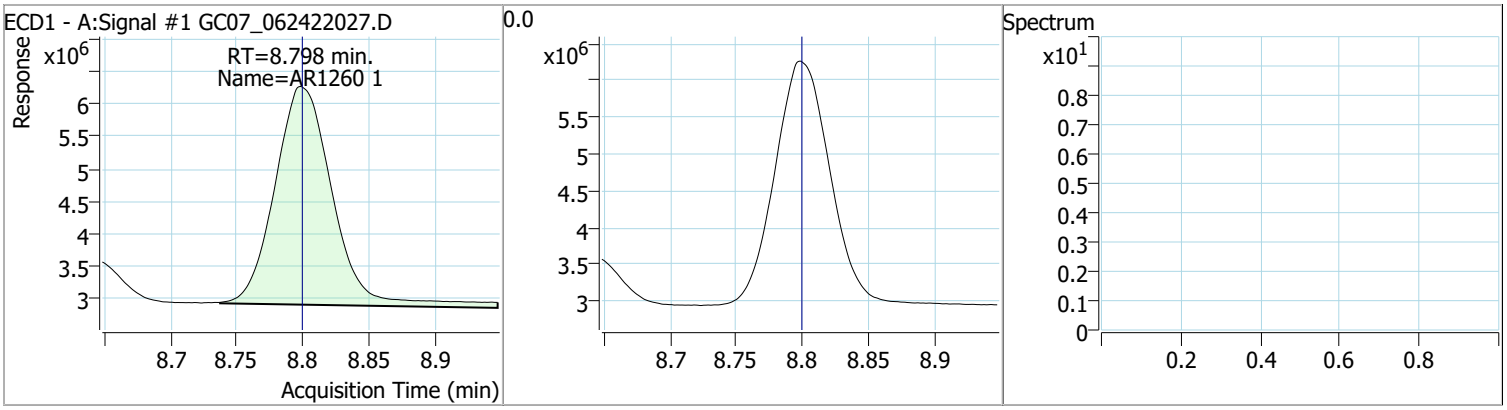
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	741.6030	7.09	0.00	1498092				



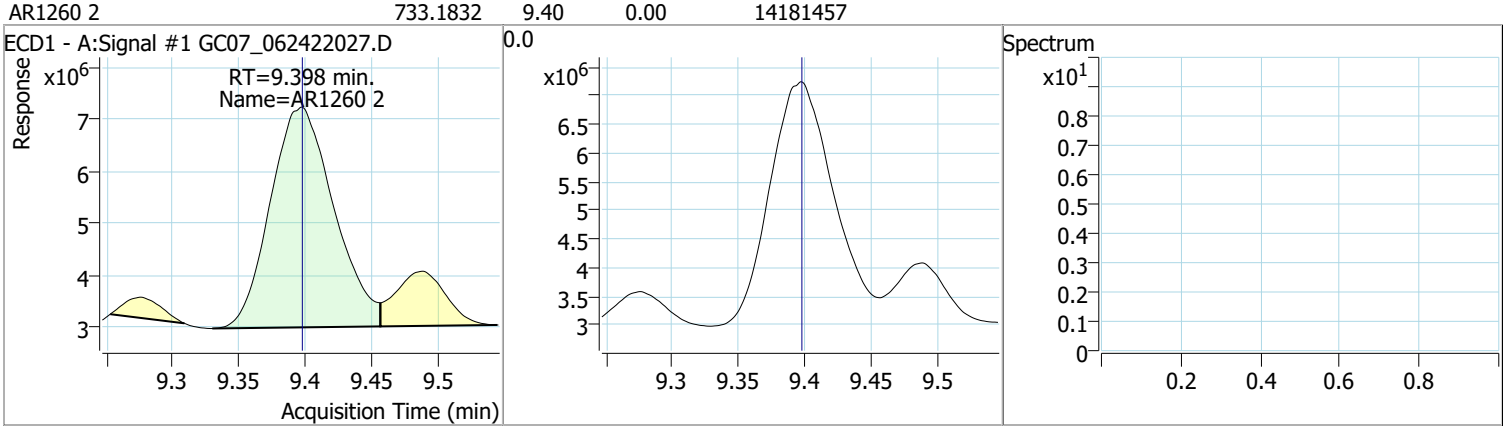
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	736.3245	7.81	0.00	1242512				



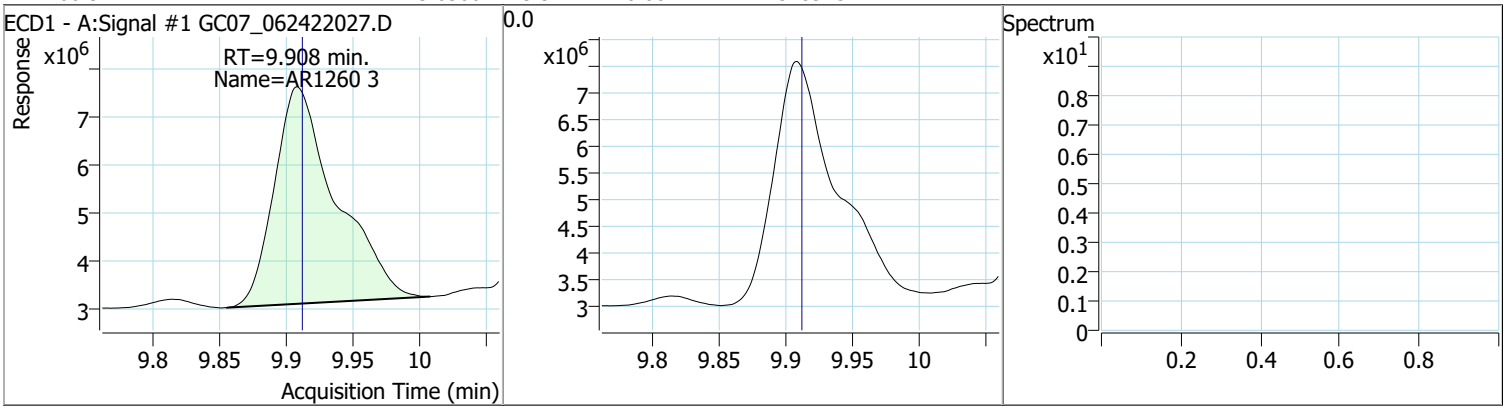
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	761.1569	8.80	0.00	10255962				



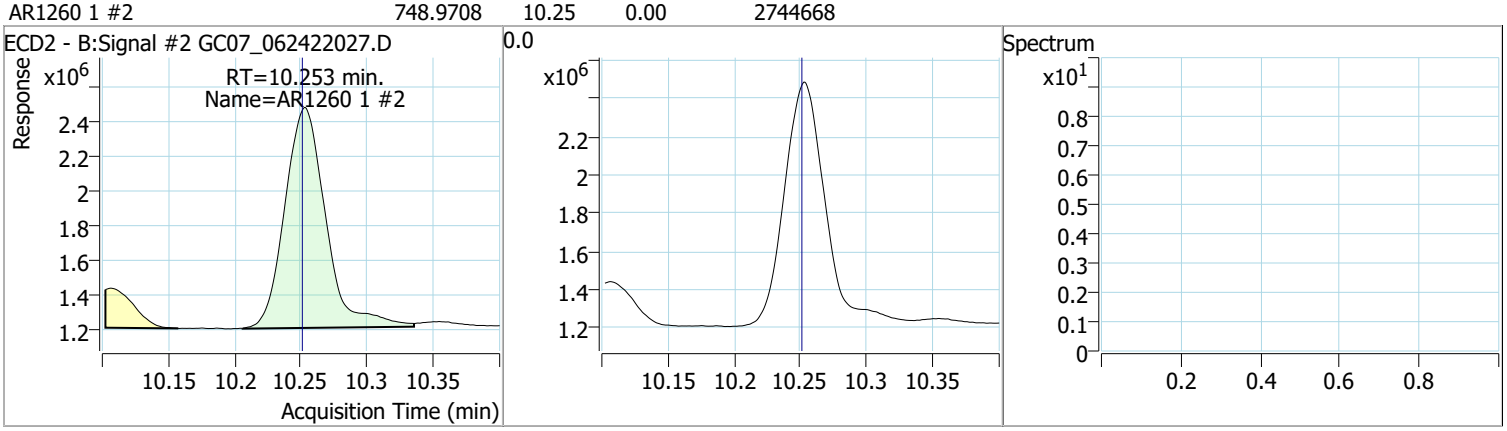
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	733.1832	9.40	0.00	14181457				



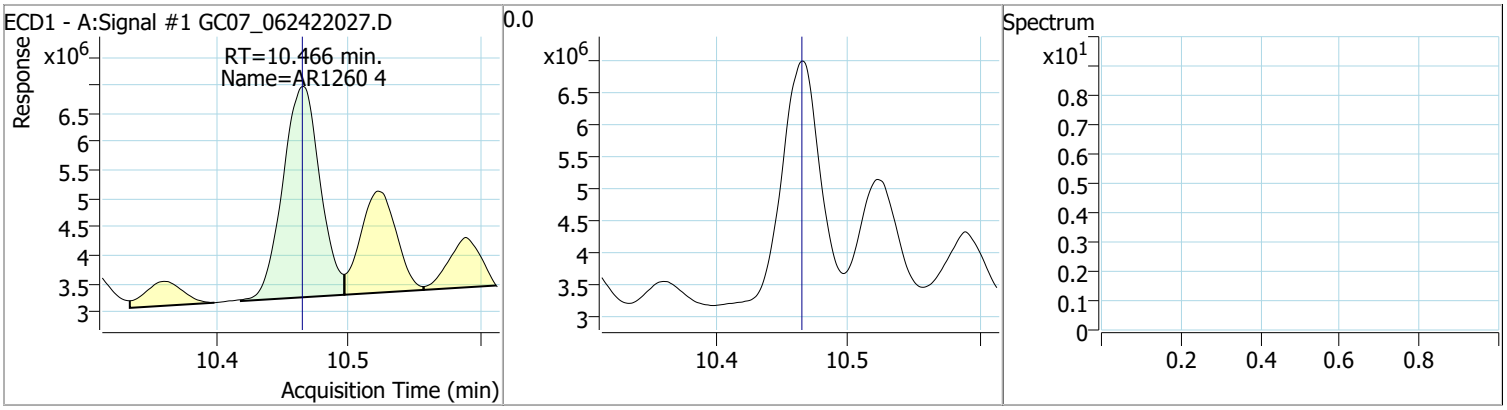
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	743.6300	9.91	0.00	14575945				



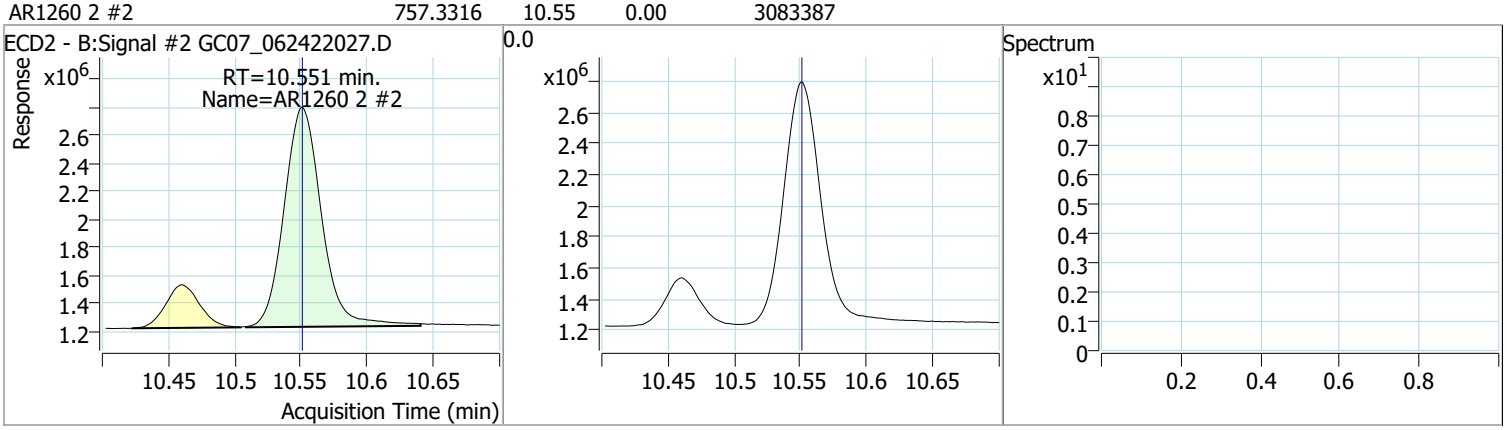
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	748.9708	10.25	0.00	2744668				



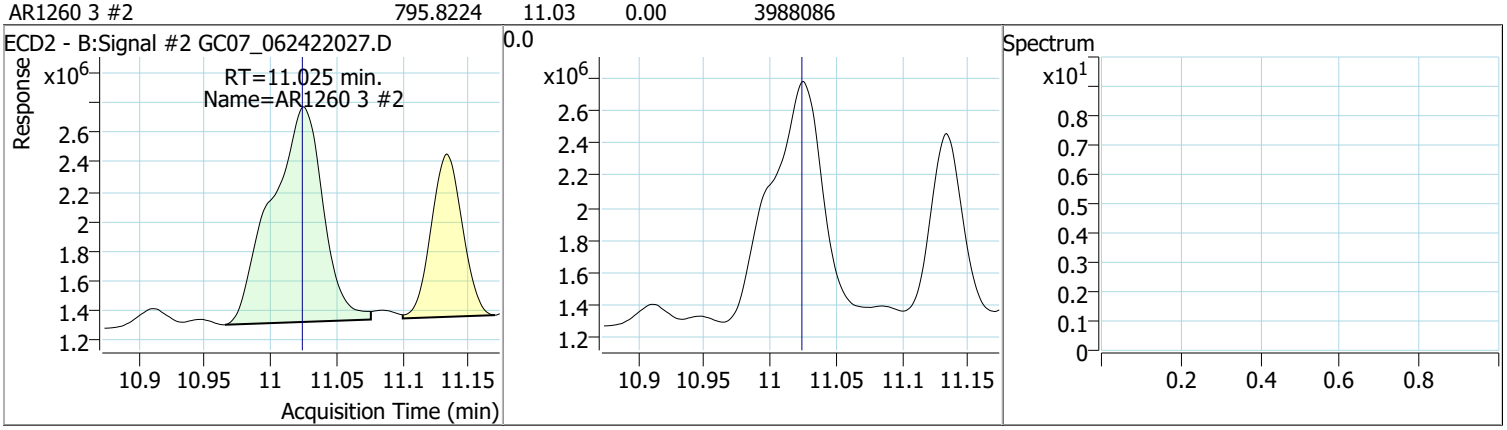
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	729.0352	10.47	0.00	7305101				



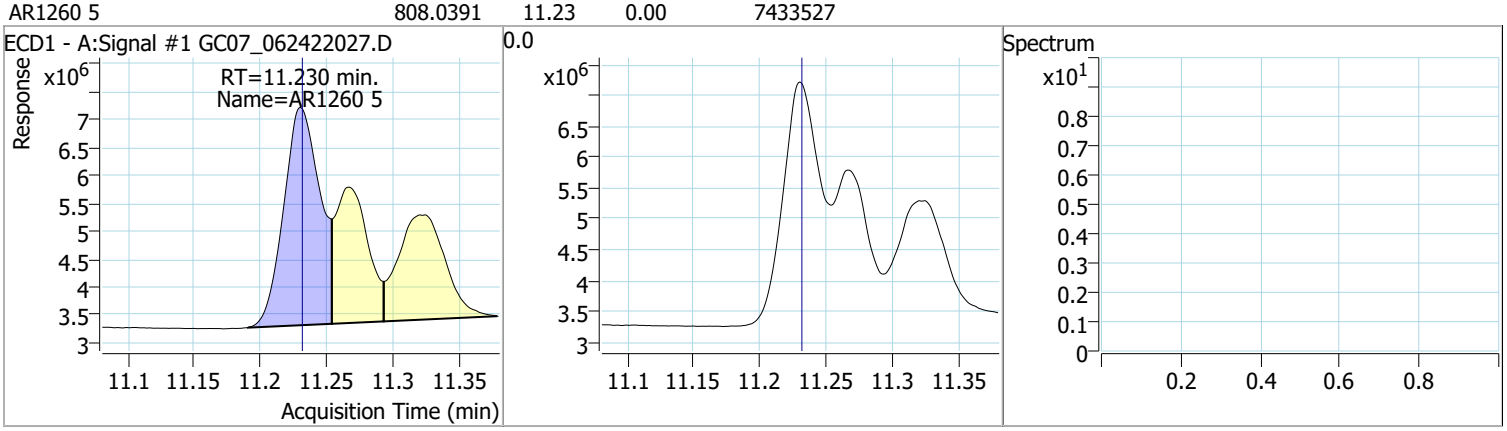
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	757.3316	10.55	0.00	3083387				



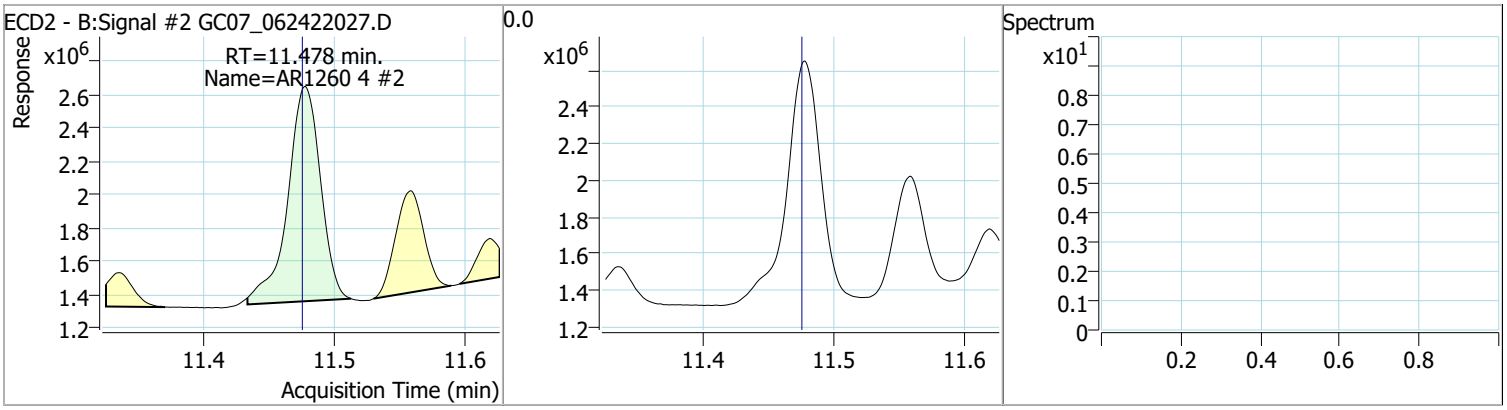
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	795.8224	11.03	0.00	3988086				



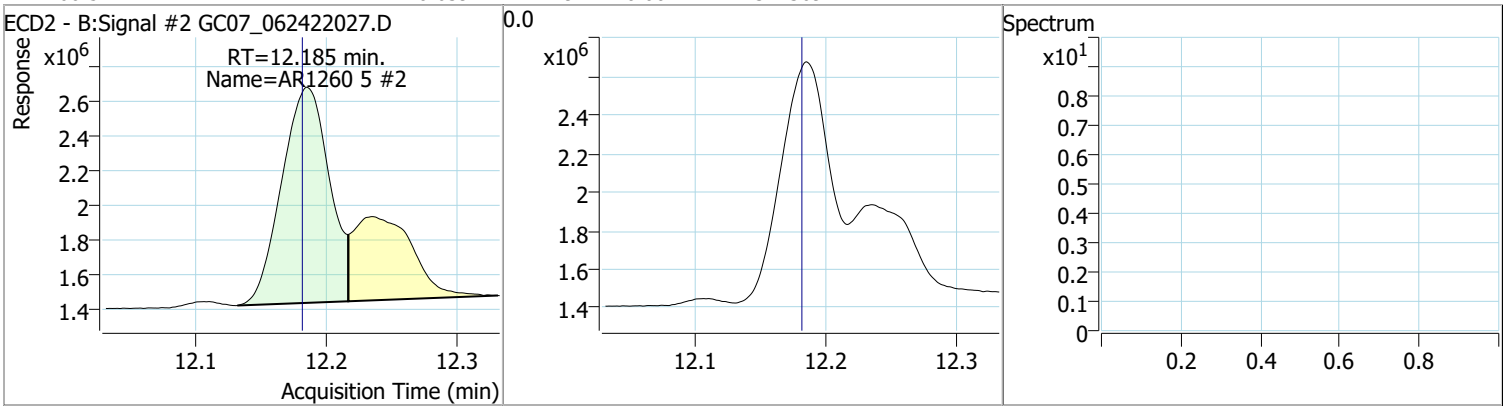
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	808.0391	11.23	0.00	7433527				



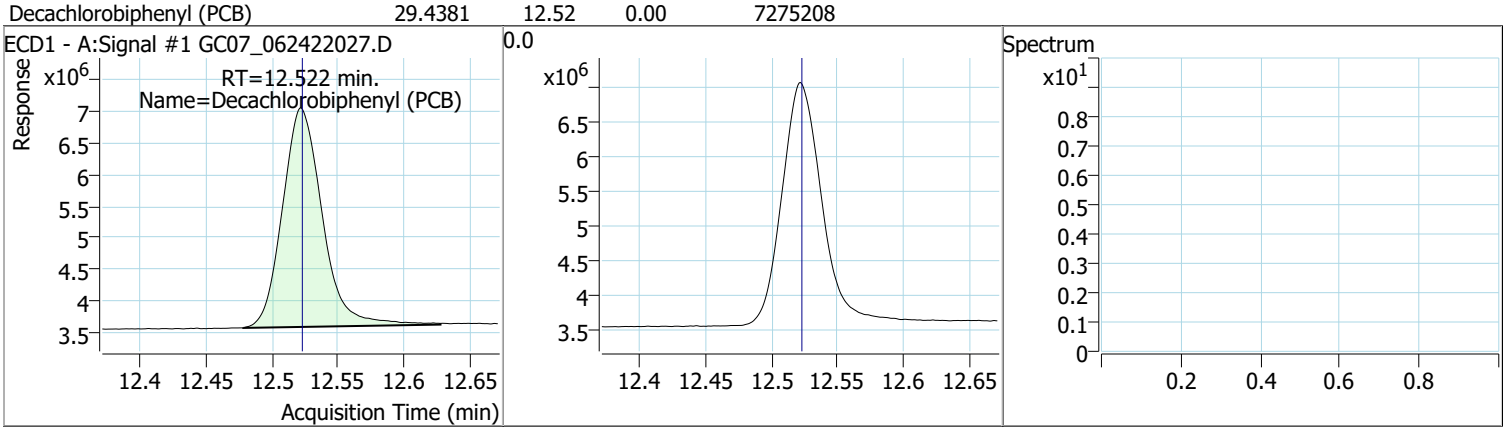
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	798.3797	11.48	0.00	2244748				



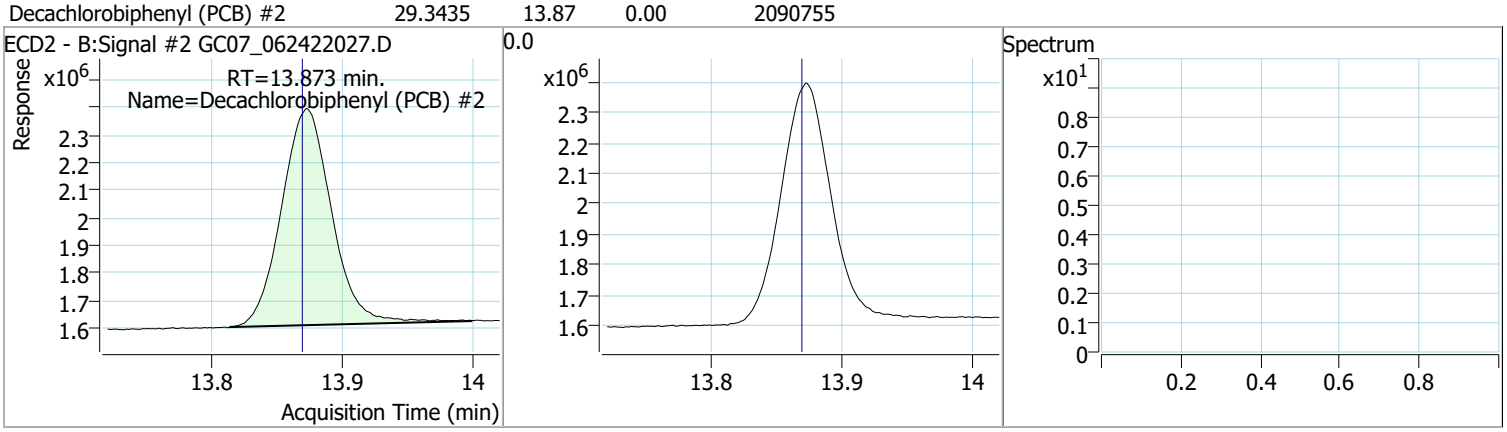
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	770.6392	12.19	0.00	3113694				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	29.4381	12.52	0.00	7275208				

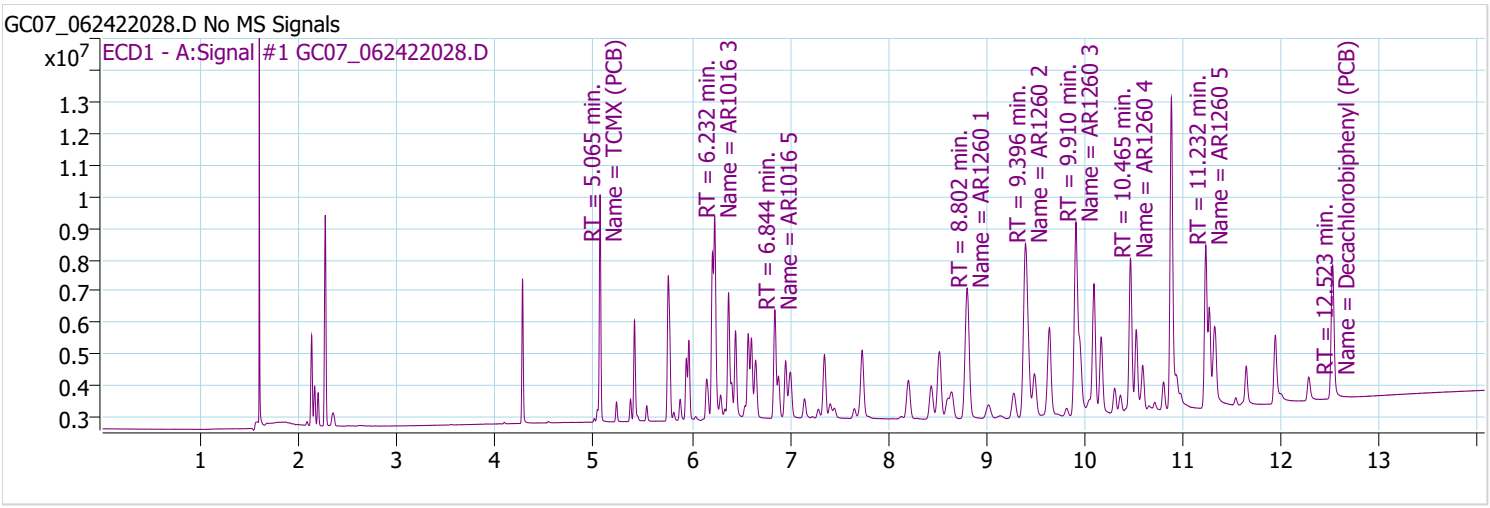


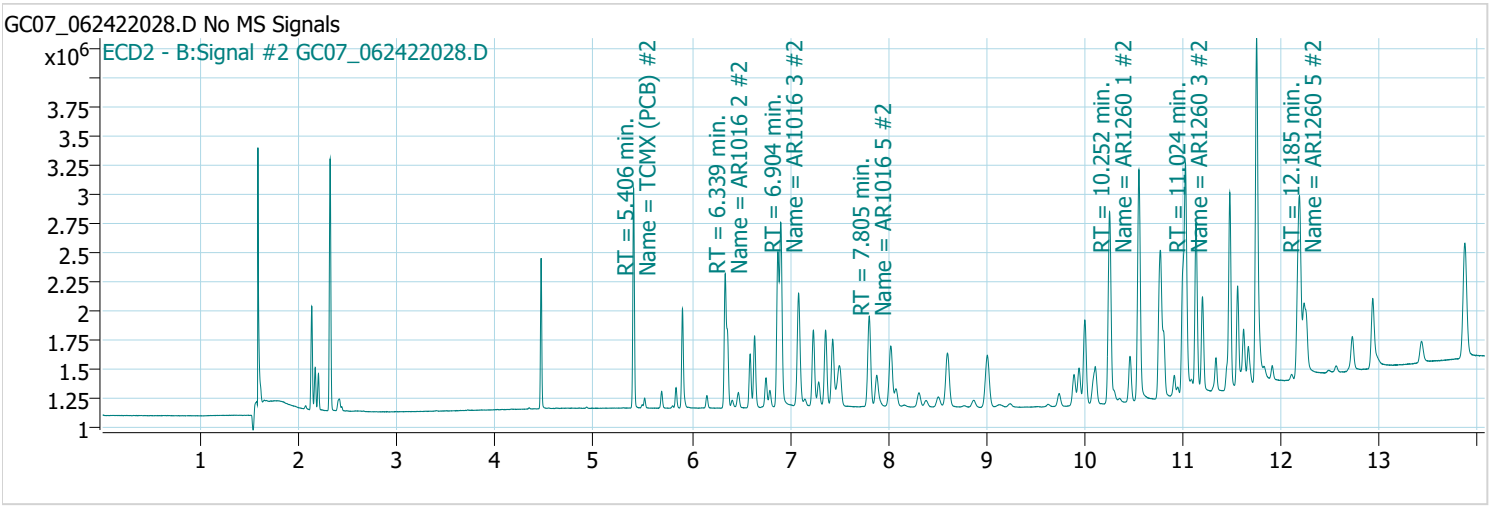
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	29.3435	13.87	0.00	2090755				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422028.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 2:24:39 AM
Sample Name	ICAL,S16726, 2	Instrument	SVOA-GC07
Vial	17	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	1000 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



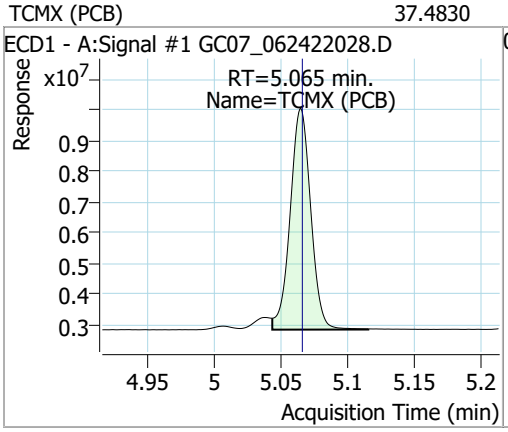


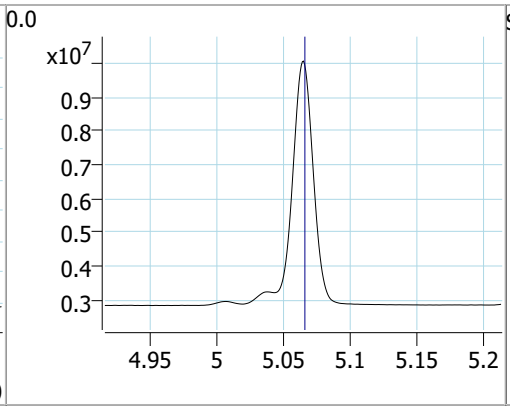
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.276	0.0	4420132.200	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.464	0.0	1163922.916	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.065	0.0	7814286.580	37.4830	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.41%		*	
S TCMX (PCB) #2	5.406	0.0	2078088.887	39.3414	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 196.71%		*	
S Decachlorobiphenyl (PCB)	12.523	0.0	9259543.832	37.5011	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.51%		*	
S Decachlorobiphenyl (PCB) #2	13.869	0.0	2692099.834	37.5620	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.81%		*	
Target Compounds							QValue

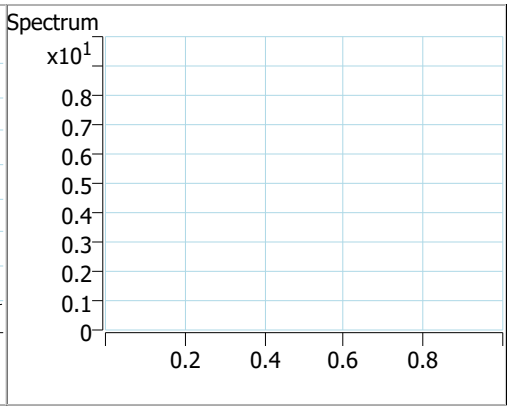
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.415	0.0	3880009.754	914.9861	ng/ml	m	100
T AR1016 2	5.759	0.0	8231794.671	895.6786	ng/ml		100
T AR1016 1 #2	5.903	0.0	1120598.473	956.0373	ng/ml		100
T AR1016 3	6.232	0.0	9798395.587	920.6810	ng/ml		100
T AR1016 2 #2	6.339	0.0	2406093.208	942.6971	ng/ml		100
T AR1016 4	6.373	0.0	7134338.585	932.2062	ng/ml		100
T AR1016 5	6.844	0.0	5906325.814	926.5065	ng/ml		100
T AR1016 3 #2	6.904	0.0	2789498.032	952.7862	ng/ml		100
T AR1016 4 #2	7.086	0.0	1980909.335	974.8710	ng/ml		100
T AR1016 5 #2	7.805	0.0	1634772.757	963.1093	ng/ml		100
T AR1260 1	8.802	0.0	12151492.682	902.6463	ng/ml		100
T AR1260 2	9.396	0.0	18030089.728	932.9958	ng/ml		100
T AR1260 3	9.910	0.0	18640207.223	951.8337	ng/ml		100
T AR1260 1 #2	10.252	0.0	3522414.927	955.5756	ng/ml		100
T AR1260 4	10.465	0.0	9235324.184	922.4963	ng/ml		100
T AR1260 2 #2	10.551	0.0	3921213.965	957.4764	ng/ml		100
T AR1260 3 #2	11.024	0.0	5095147.262	1010.7830	ng/ml		100
T AR1260 5	11.232	0.0	9455583.328	1028.7645	ng/ml		100
T AR1260 4 #2	11.476	0.0	2768819.775	979.0076	ng/ml		100
T AR1260 5 #2	12.185	0.0	3988409.501	981.3511	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

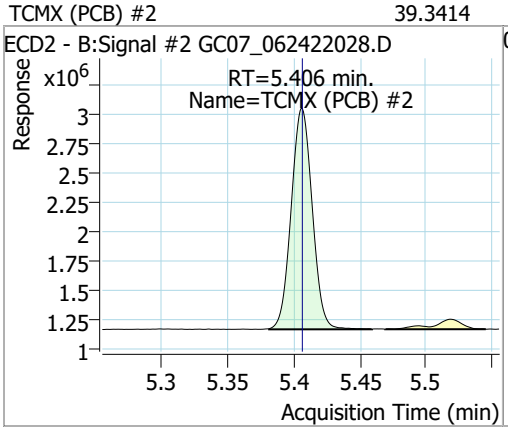
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	37.4830	5.07	0.00	7814287				

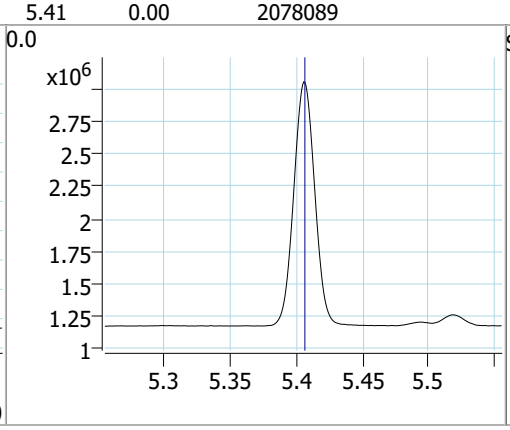


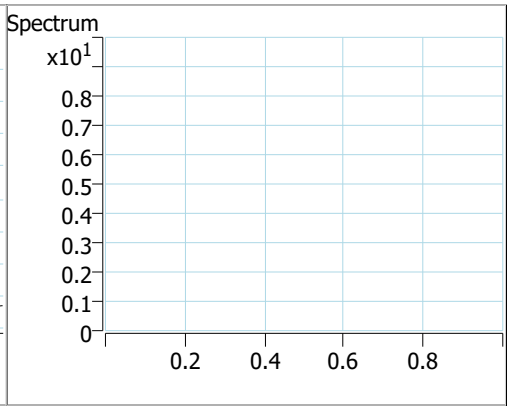




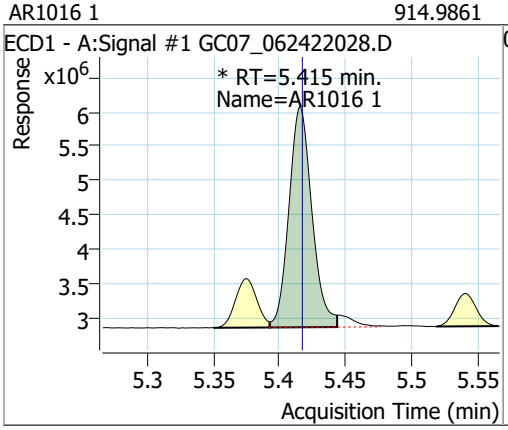
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	39.3414	5.41	0.00	2078089				

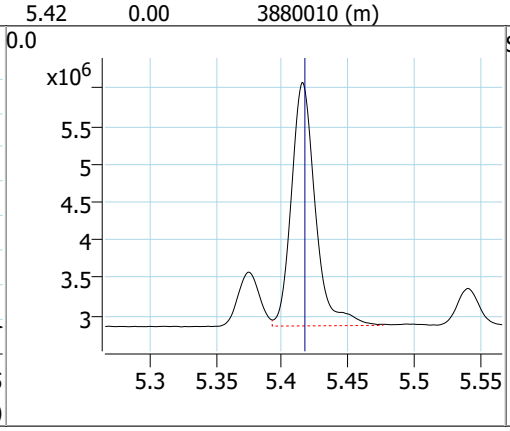


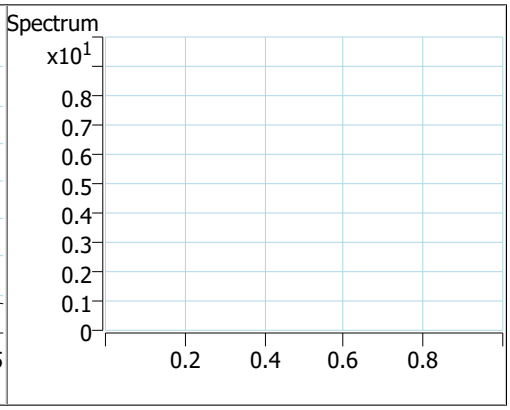




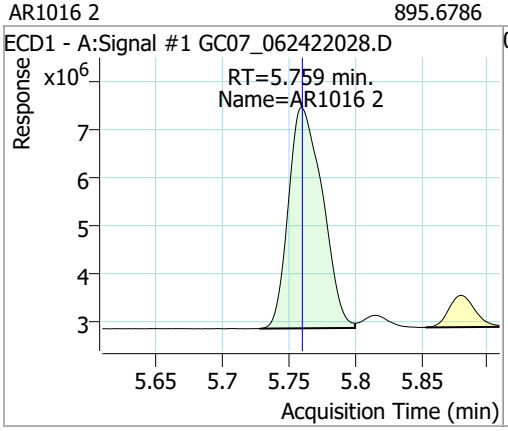
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	914.9861	5.42	0.00	3880010 (m)				

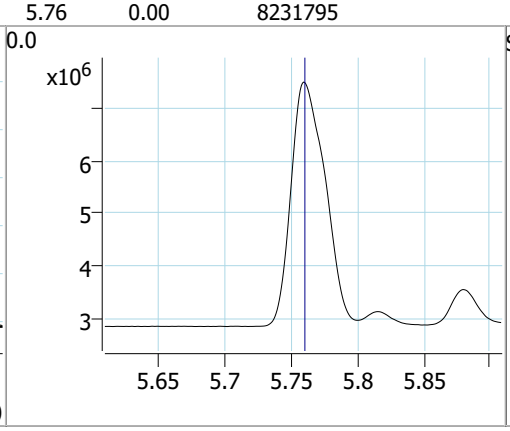


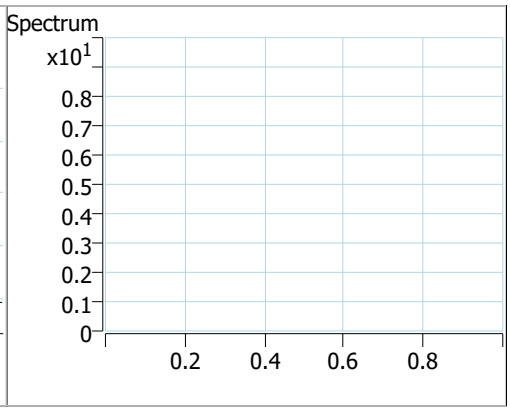




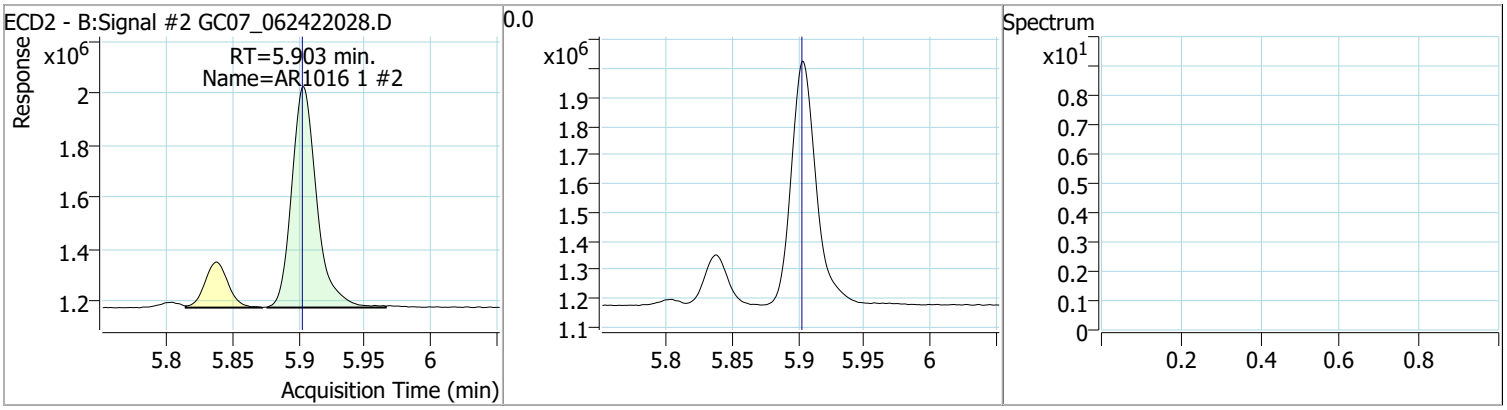
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	895.6786	5.76	0.00	8231795				



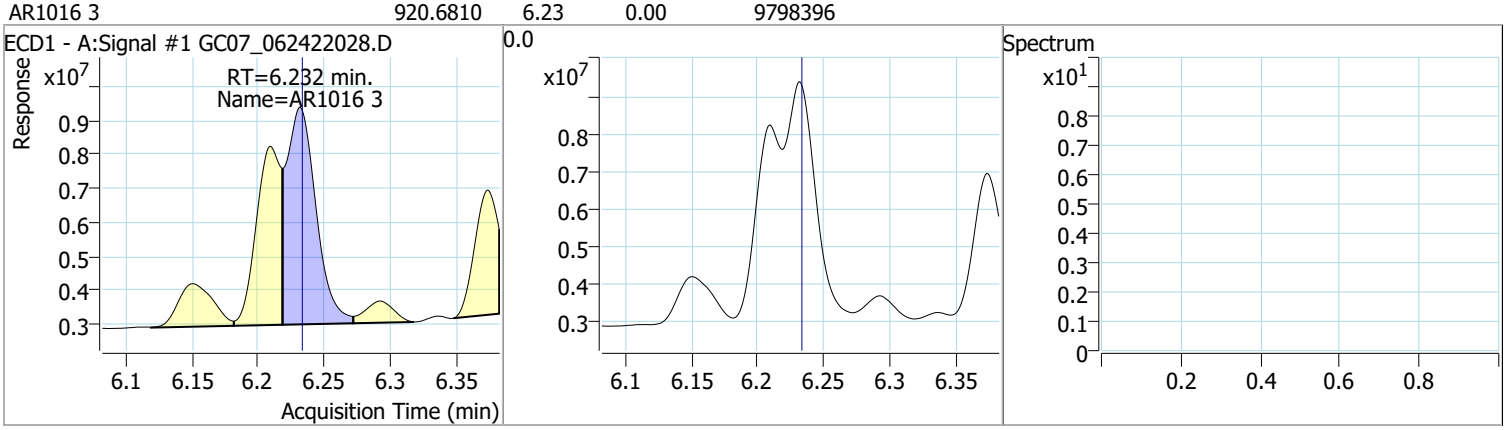




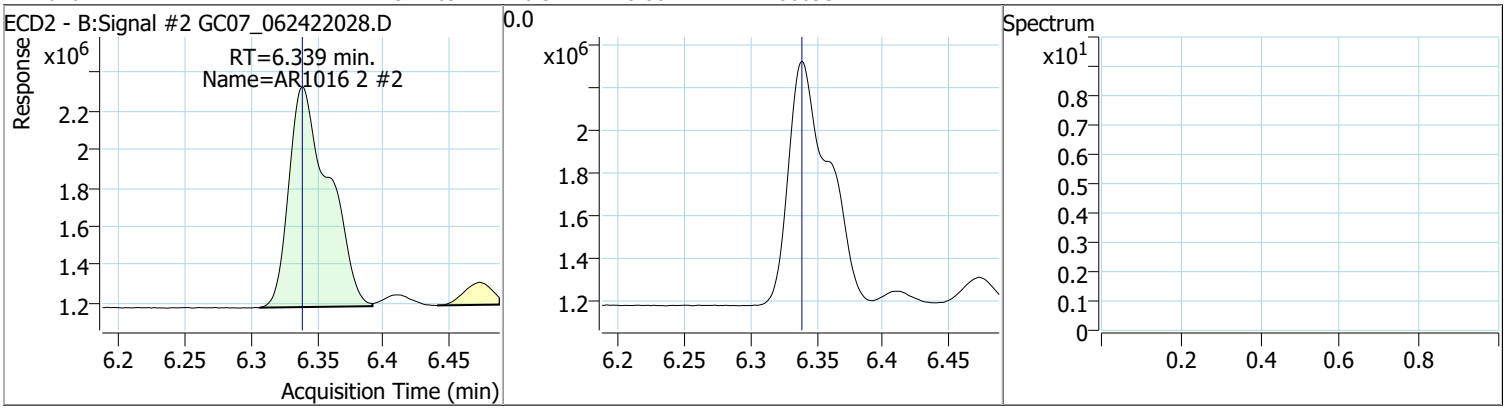
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	956.0373	5.90	0.00	1120598				



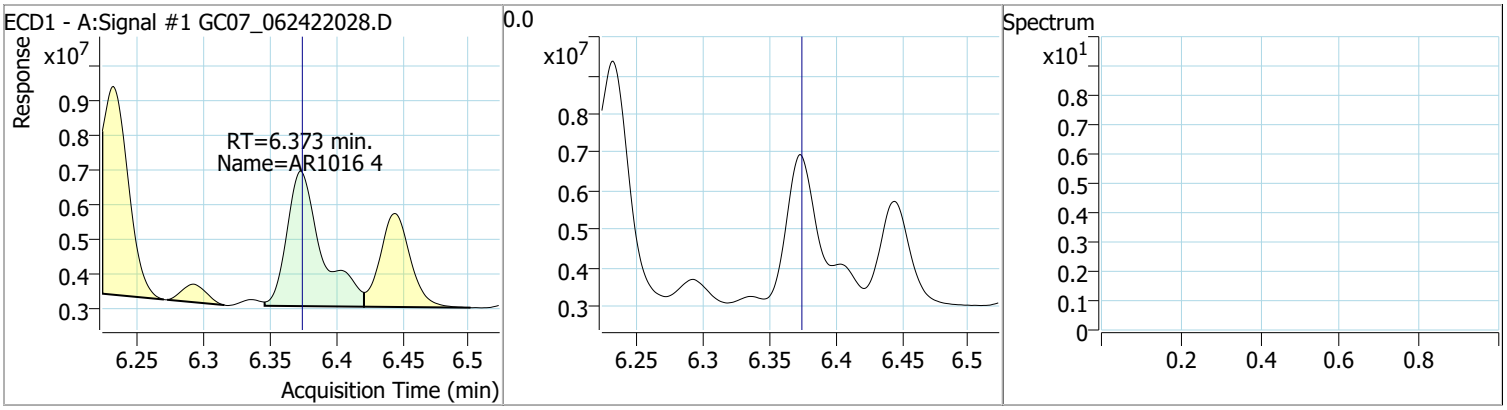
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	920.6810	6.23	0.00	9798396				



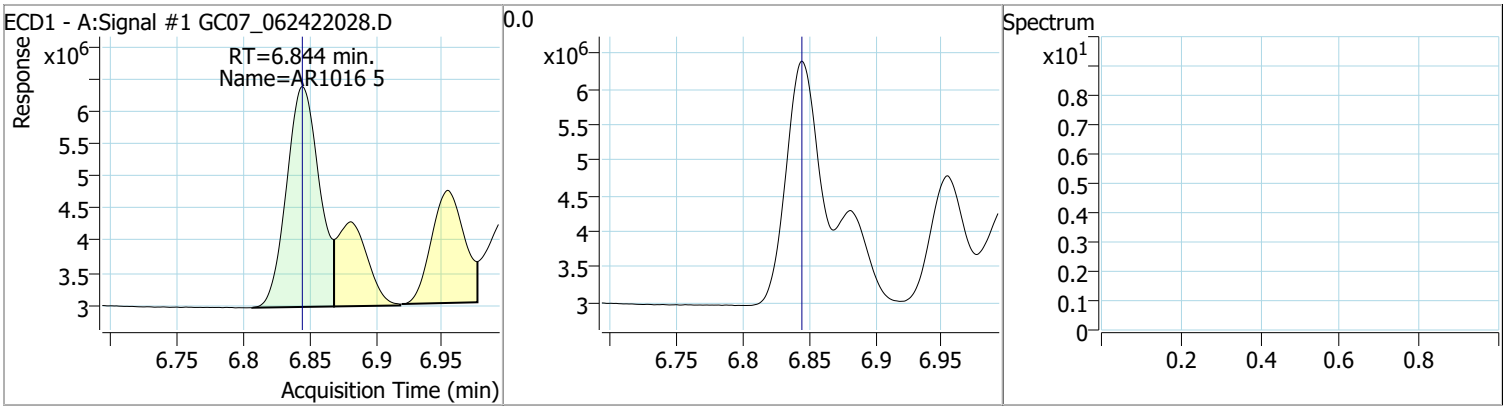
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	942.6971	6.34	0.00	2406093				



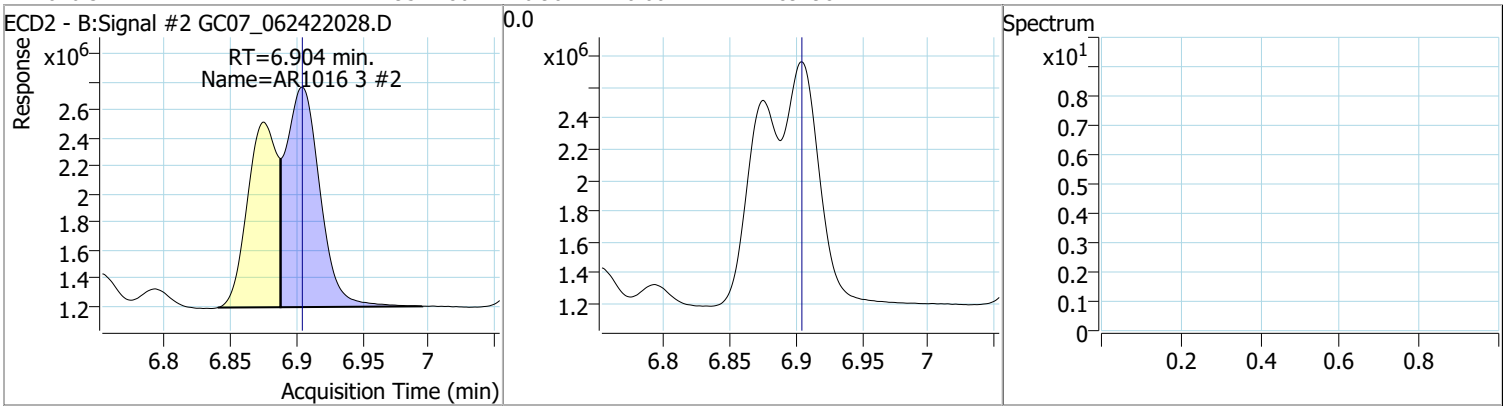
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	932.2062	6.37	0.00	7134339				



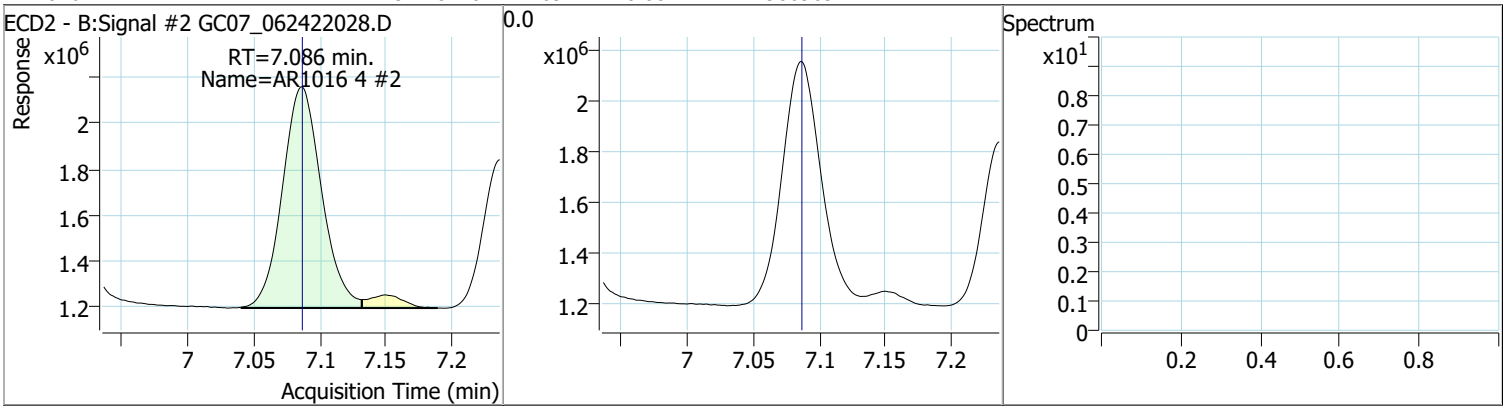
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	926.5065	6.84	0.00	5906326				



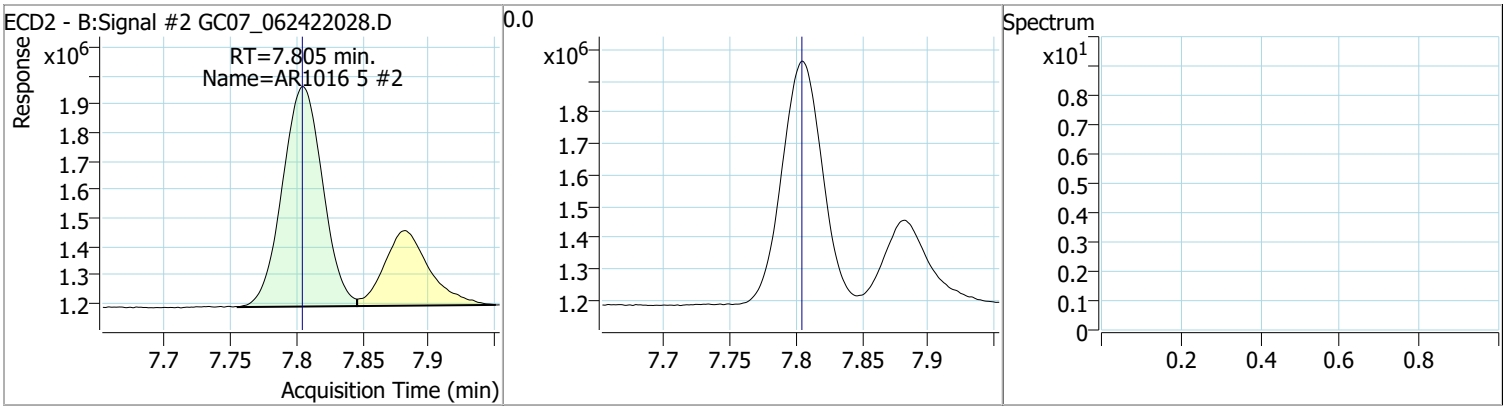
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	952.7862	6.90	0.00	2789498				



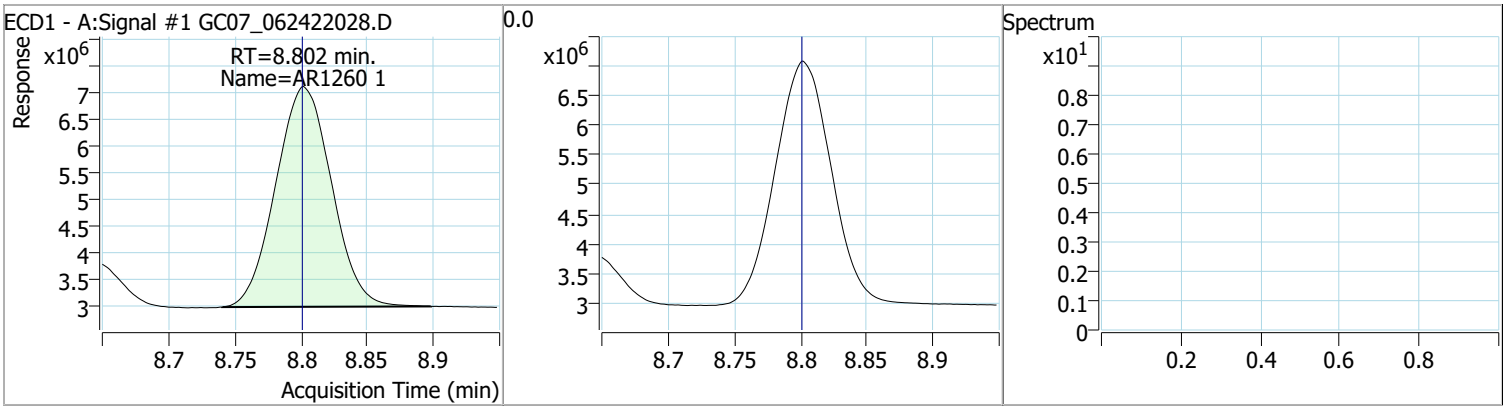
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	974.8710	7.09	0.00	1980909				



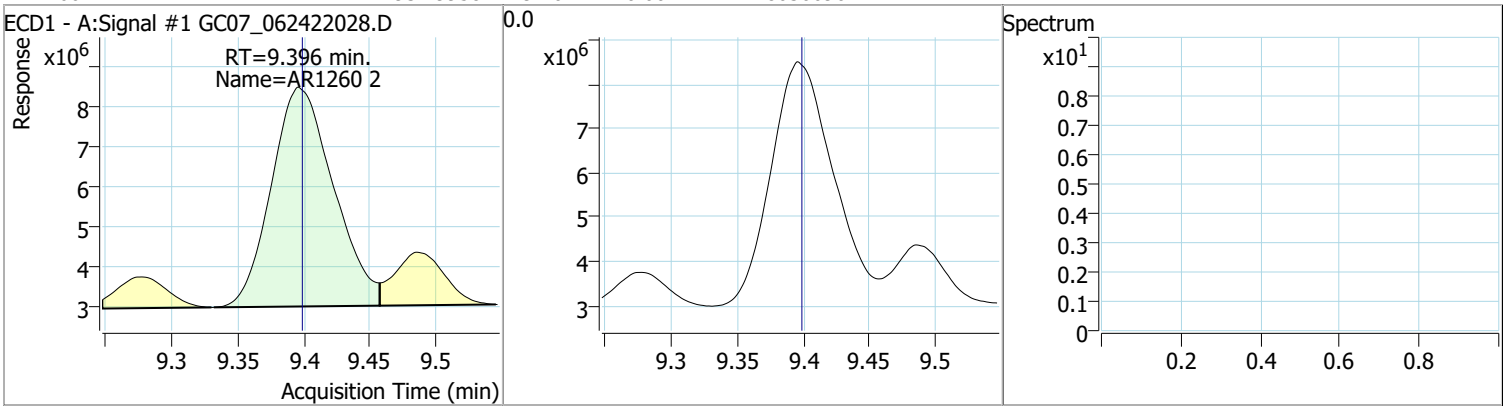
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	963.1093	7.81	0.00	1634773				



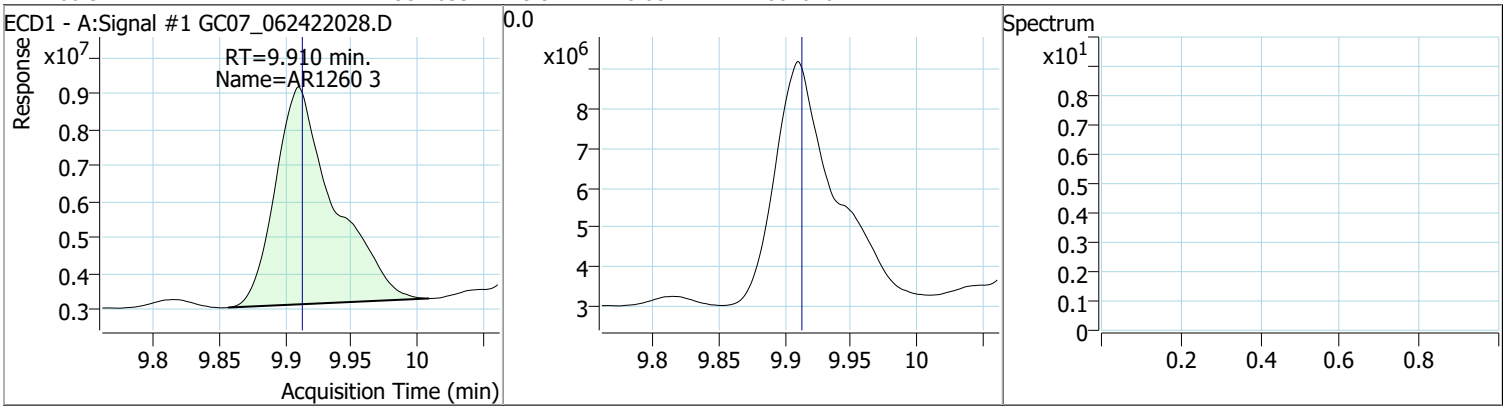
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	902.6463	8.80	0.00	12151493				



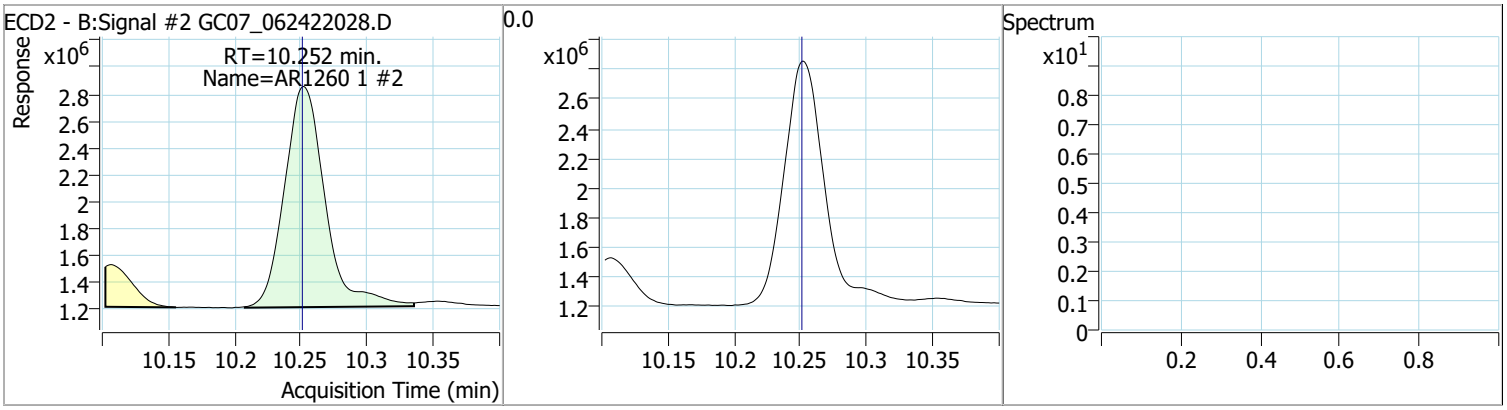
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	932.9958	9.40	0.00	18030090				



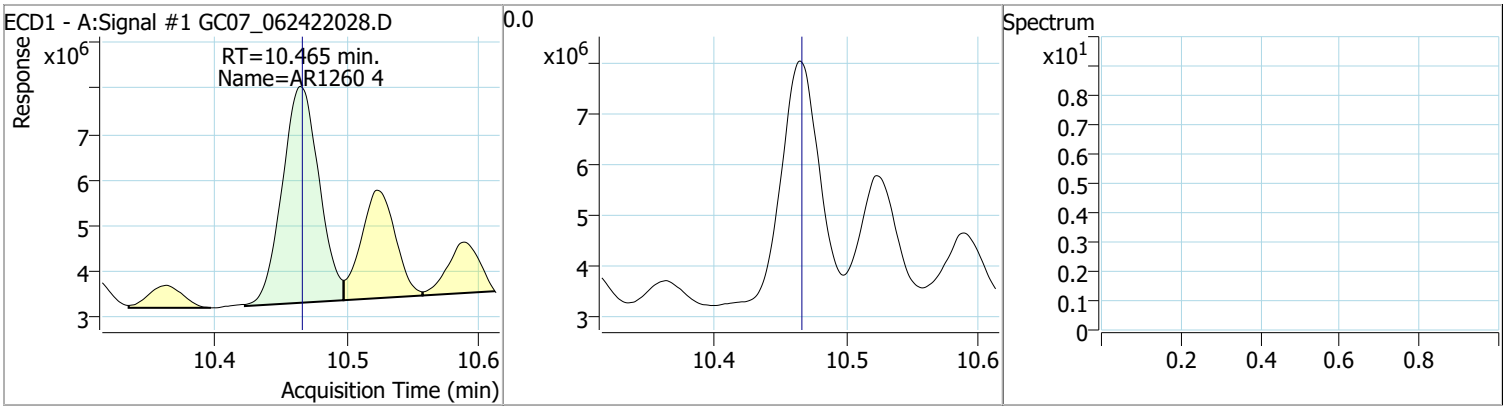
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	951.8337	9.91	0.00	18640207				



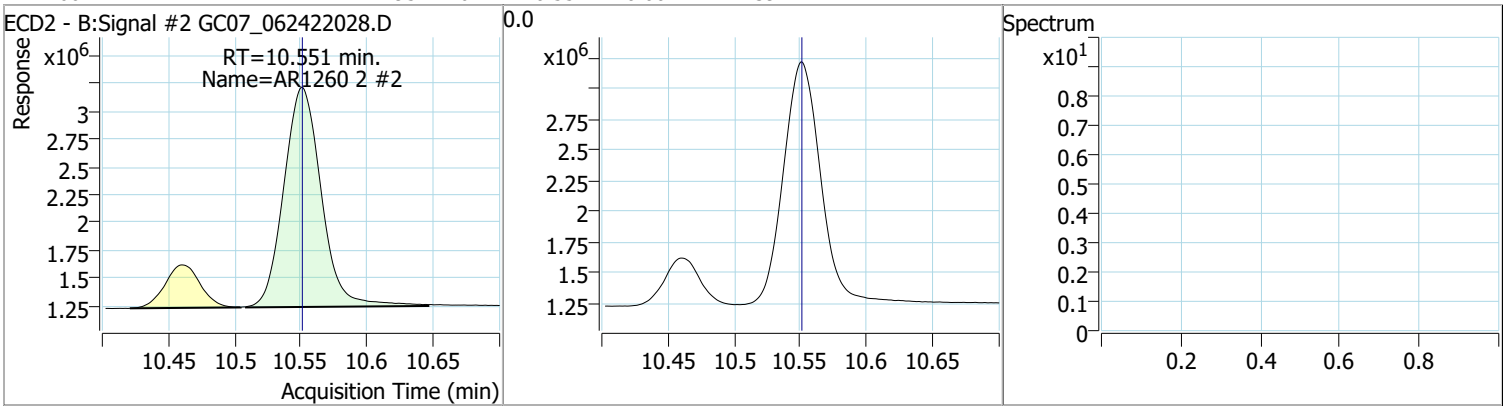
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	955.5756	10.25	0.00	3522415				



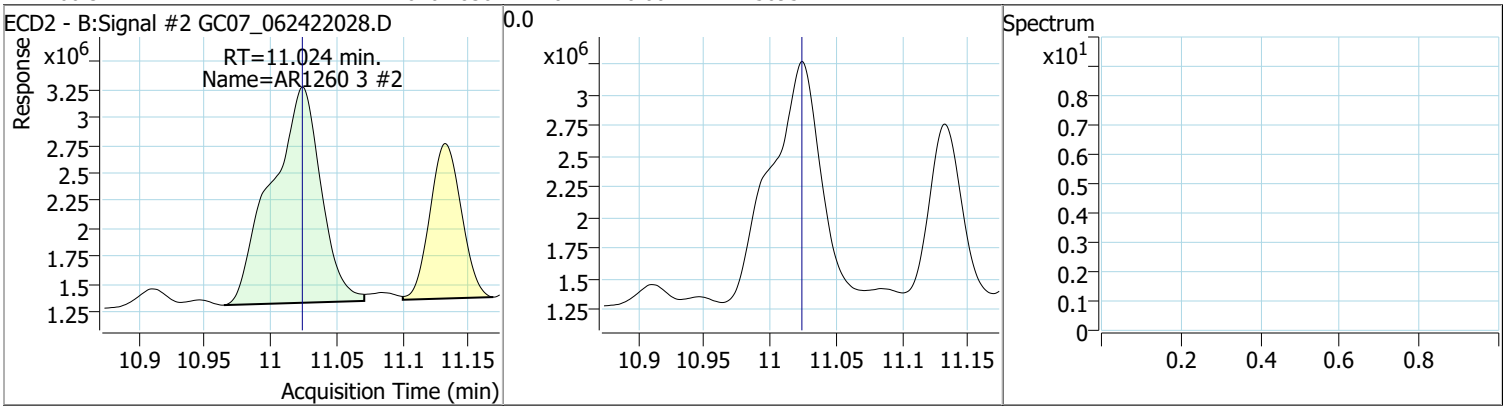
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	922.4963	10.47	0.00	9235324				



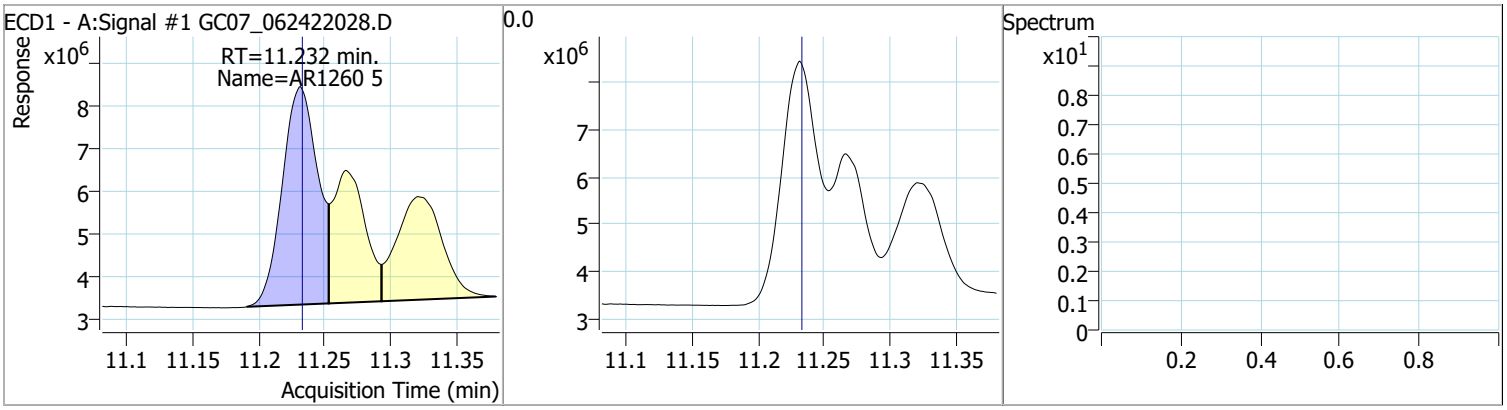
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	957.4764	10.55	0.00	3921214				



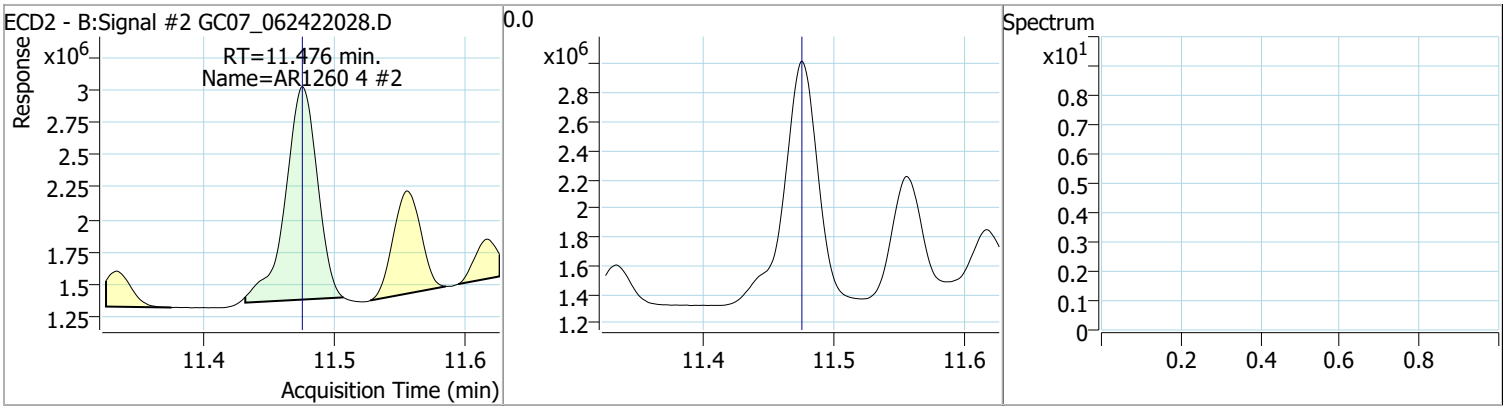
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1010.7830	11.02	0.00	5095147				



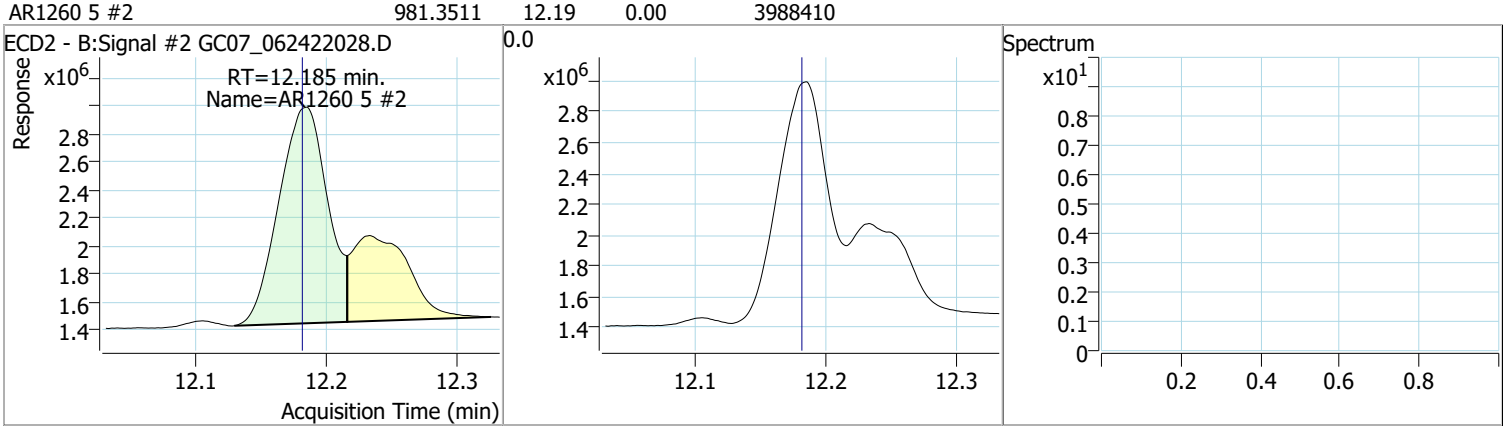
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1028.7645	11.23	0.00	9455583				



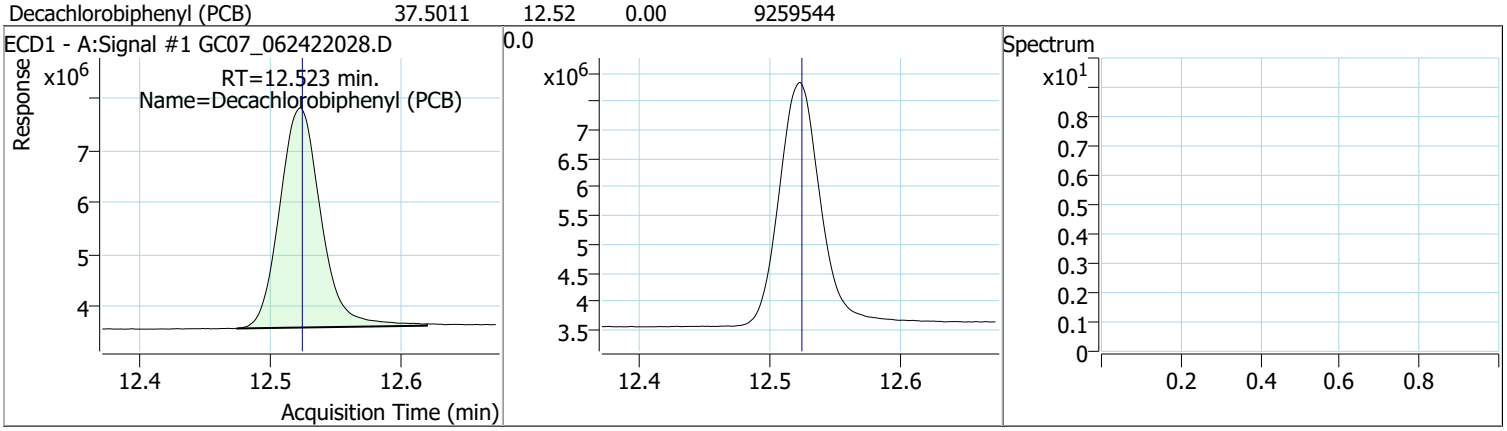
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	979.0076	11.48	0.00	2768820				



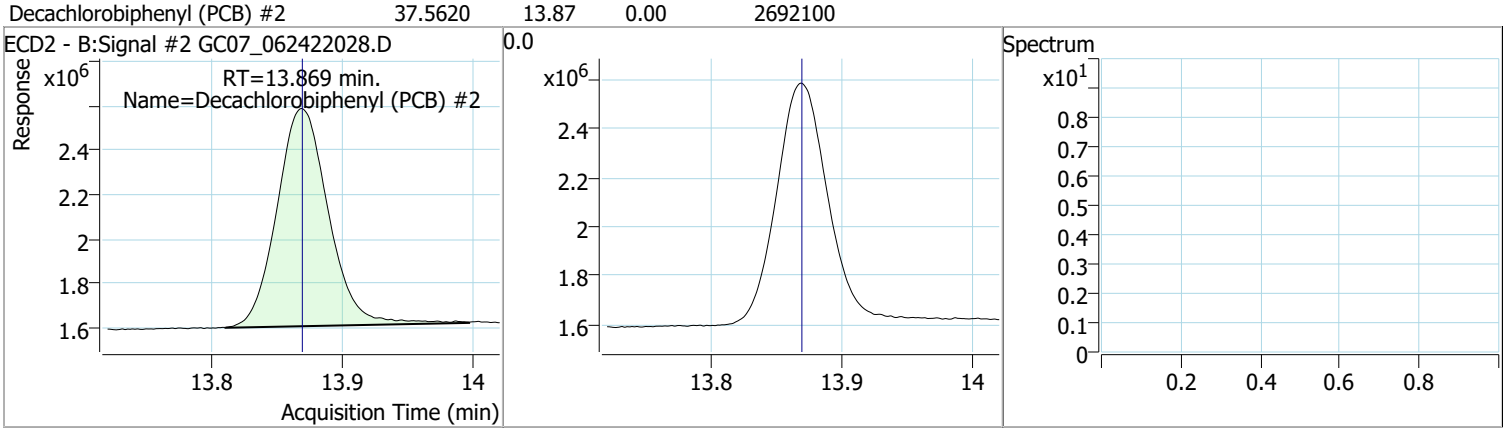
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	981.3511	12.19	0.00	3988410				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	37.5011	12.52	0.00	9259544				

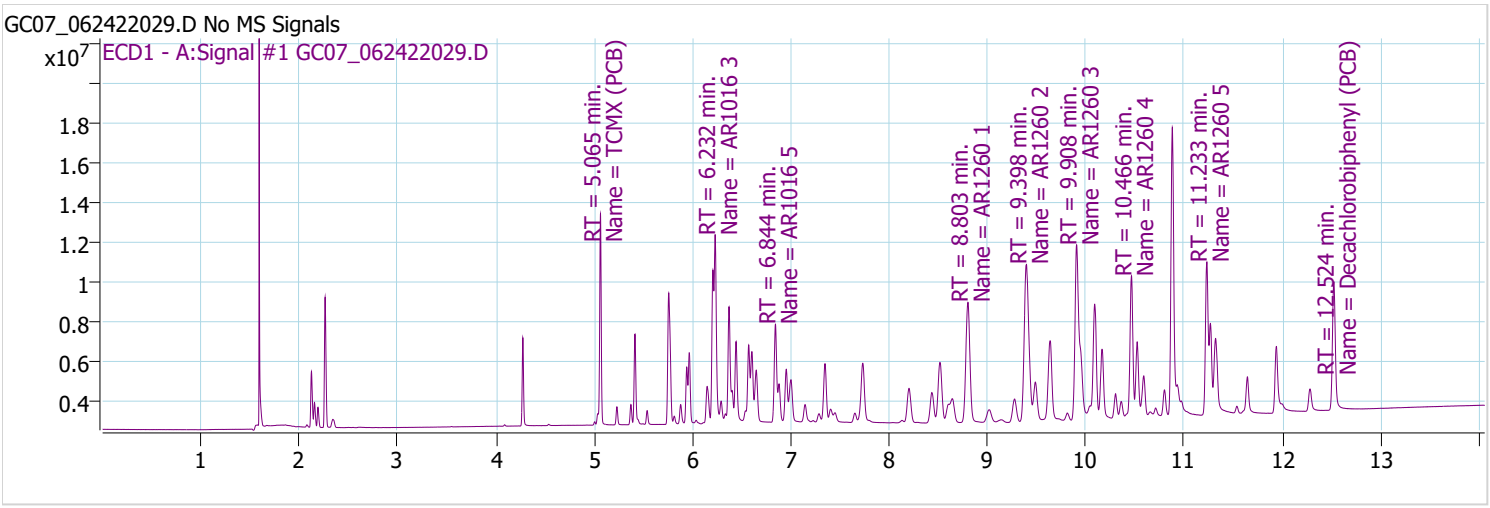


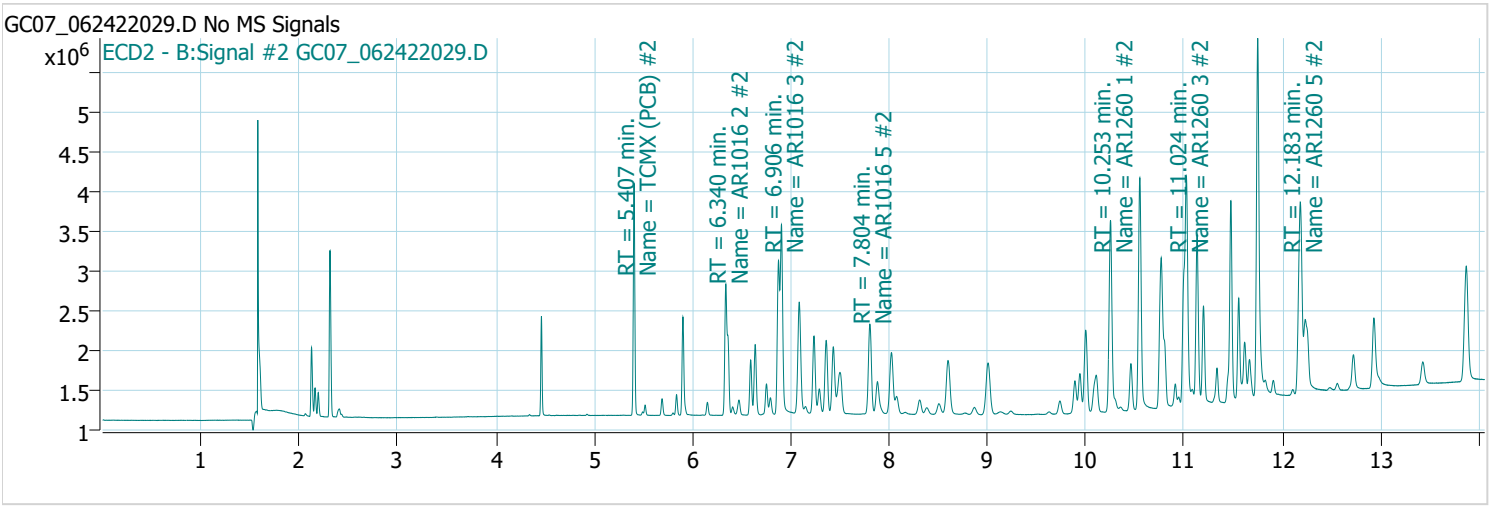
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	37.5620	13.87	0.00	2692100				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422029.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 2:42:11 AM
Sample Name	ICAL, S16726, 1.33	Instrument	SVOA-GC07
Vial	18	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	1500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



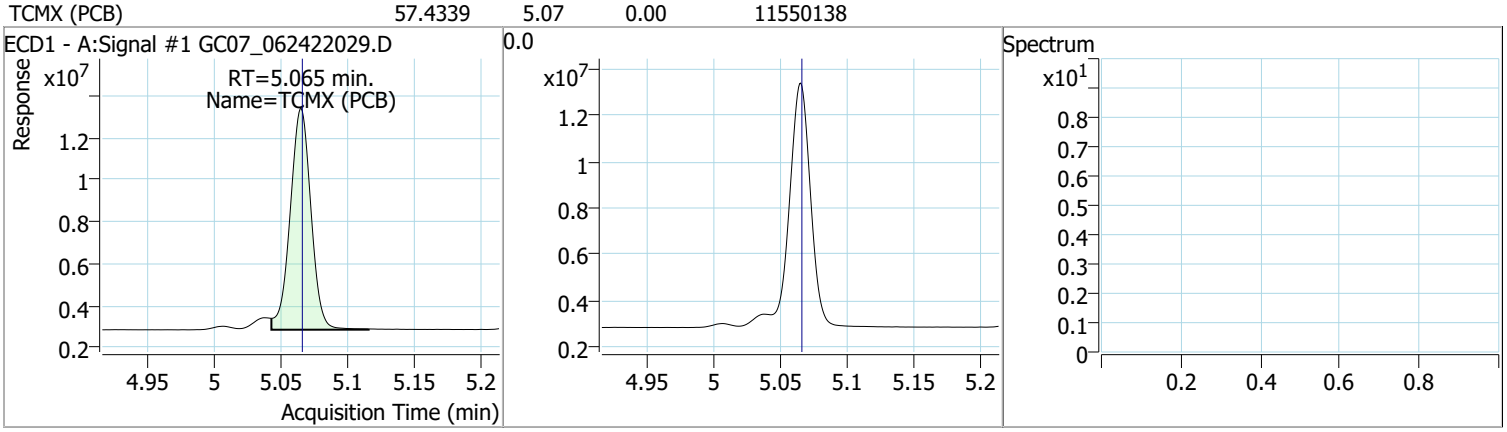


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.276	0.0	4263816.325	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.464	0.0	1124590.024	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.065	0.0	11550138.395	57.4339	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 287.17%		*	
S TCMX (PCB) #2	5.407	0.0	3155269.324	61.8233	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 309.12%		*	
S Decachlorobiphenyl (PCB)	12.524	0.0	13409186.464	56.2981	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 281.49%		*	
S Decachlorobiphenyl (PCB) #2	13.871	0.0	3975161.839	57.4041	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 287.02%		*	
Target Compounds							QValue

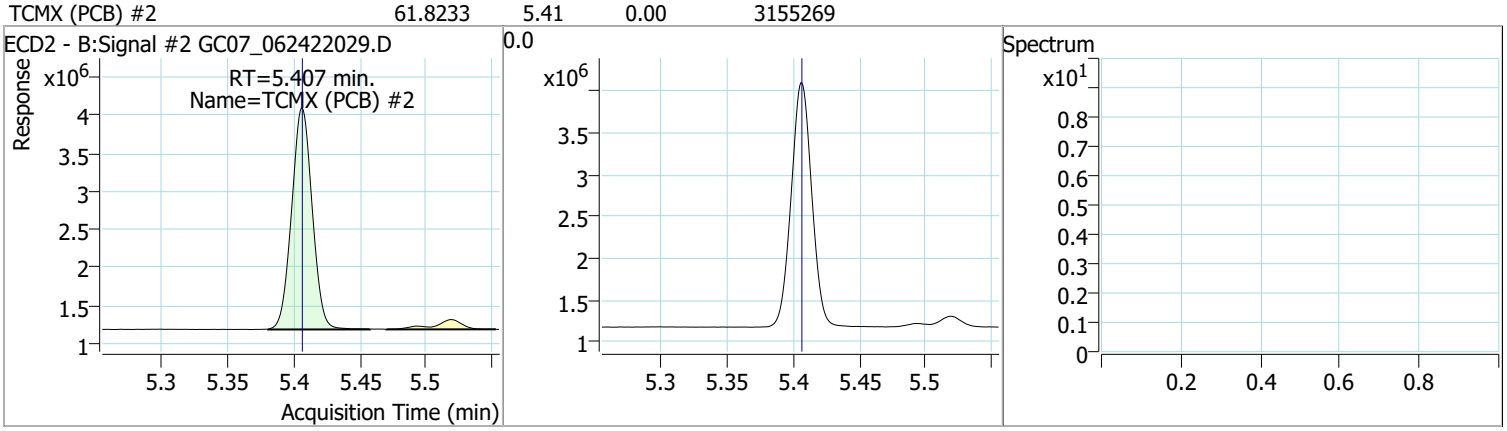
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.416	0.0	5569331.335	1361.5121	ng/ml	m	100
T AR1016 2	5.759	0.0	11740776.165	1324.3149	ng/ml		100
T AR1016 1 #2	5.903	0.0	1649630.487	1456.6039	ng/ml		100
T AR1016 3	6.232	0.0	14345444.160	1397.3492	ng/ml		100
T AR1016 2 #2	6.340	0.0	3519153.248	1427.0129	ng/ml		100
T AR1016 4	6.373	0.0	10172884.119	1377.9680	ng/ml	m	100
T AR1016 5	6.844	0.0	8352834.238	1358.3187	ng/ml		100
T AR1016 3 #2	6.906	0.0	4146580.849	1465.8500	ng/ml		100
T AR1016 4 #2	7.086	0.0	2922966.049	1488.7998	ng/ml		100
T AR1016 5 #2	7.804	0.0	2413964.960	1471.9029	ng/ml		100
T AR1260 1	8.803	0.0	17324159.160	1334.0648	ng/ml		100
T AR1260 2	9.398	0.0	25967953.560	1393.0166	ng/ml		100
T AR1260 3	9.908	0.0	27408889.638	1450.9036	ng/ml		100
T AR1260 1 #2	10.253	0.0	5120287.160	1437.6357	ng/ml		100
T AR1260 4	10.466	0.0	13414288.239	1389.0468	ng/ml		100
T AR1260 2 #2	10.551	0.0	5770452.829	1458.3018	ng/ml		100
T AR1260 3 #2	11.024	0.0	7592679.609	1558.9287	ng/ml		100
T AR1260 5	11.233	0.0	14417231.110	1626.0963	ng/ml		100
T AR1260 4 #2	11.477	0.0	4132961.015	1512.4557	ng/ml		100
T AR1260 5 #2	12.183	0.0	5965821.103	1519.2348	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

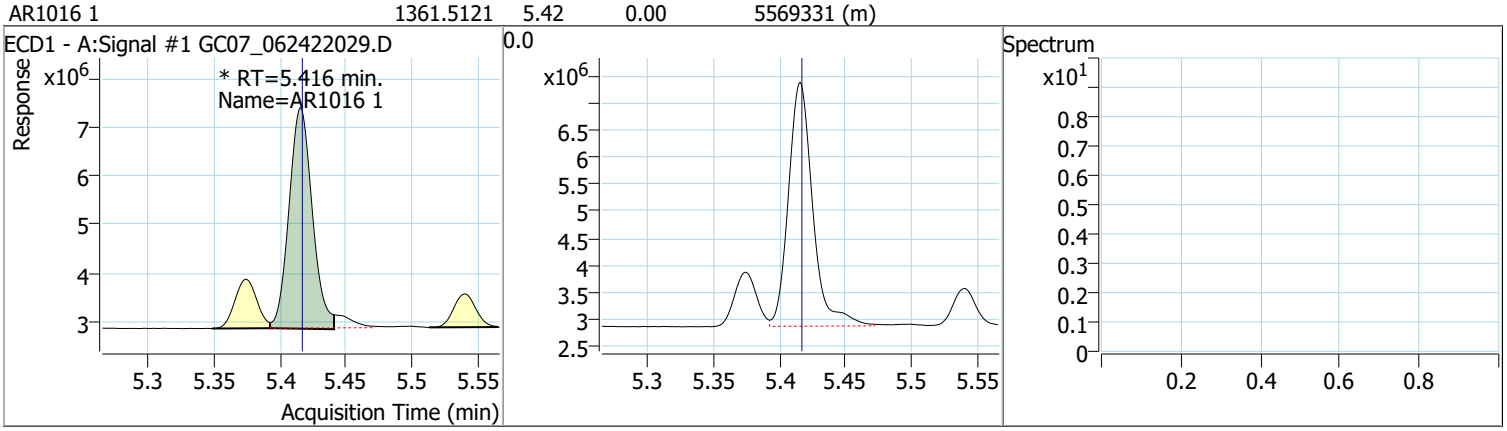
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	57.4339	5.07	0.00	11550138				



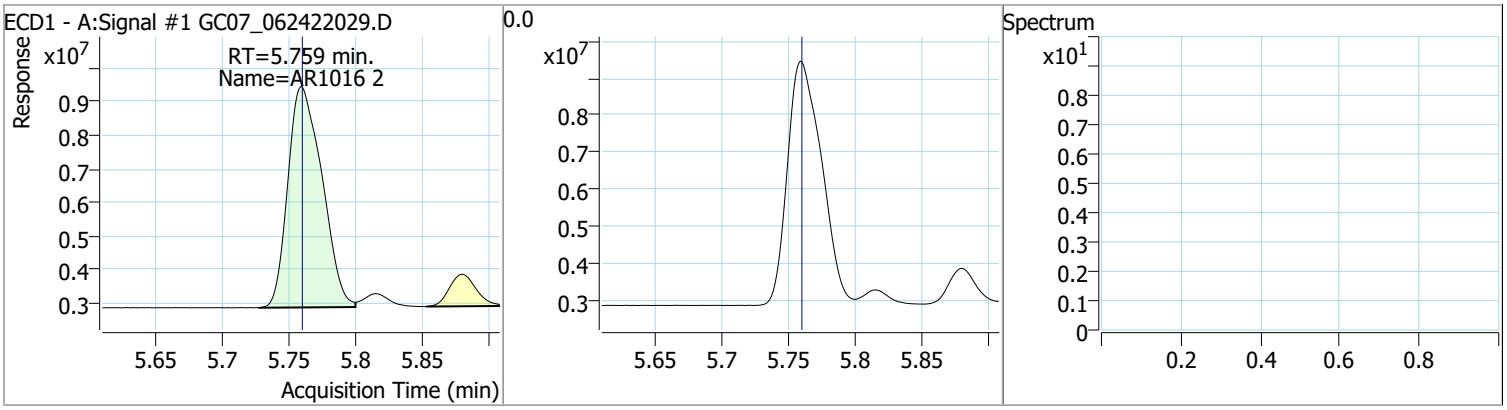
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	61.8233	5.41	0.00	3155269				



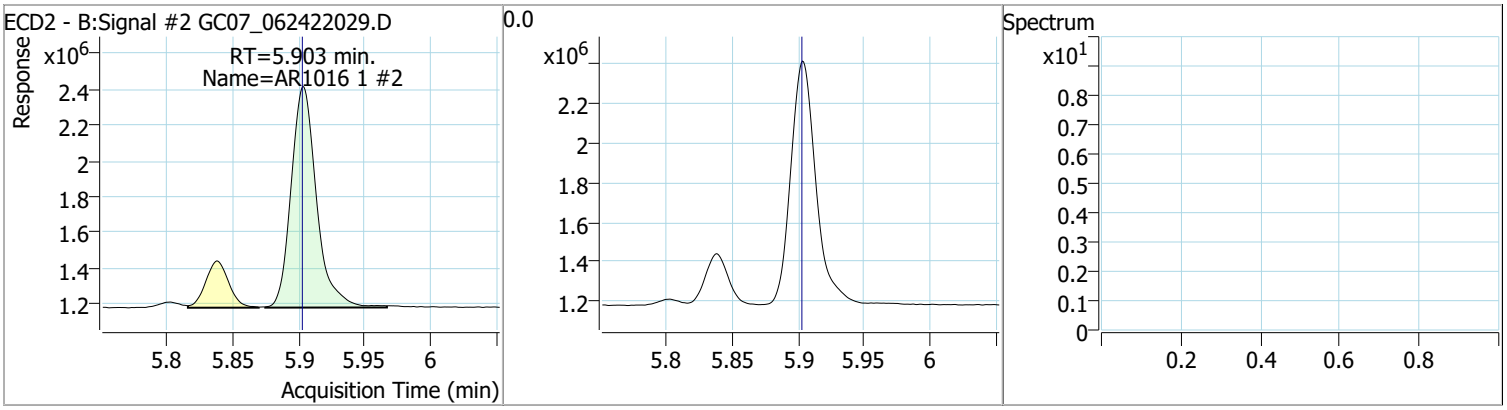
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1361.5121	5.42	0.00	5569331 (m)				



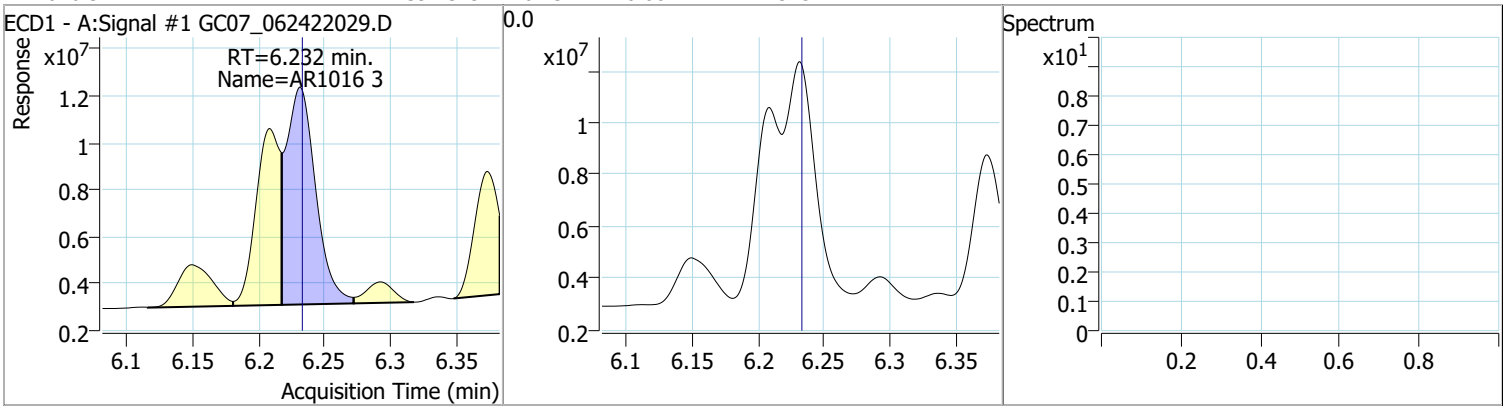
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1324.3149	5.76	0.00	11740776				



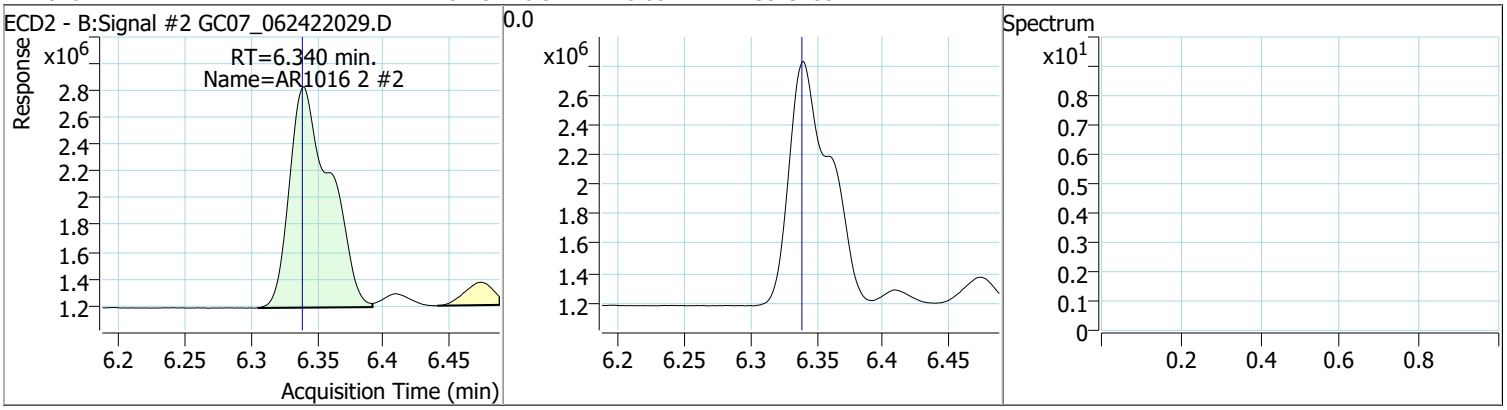
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1456.6039	5.90	0.00	1649630				



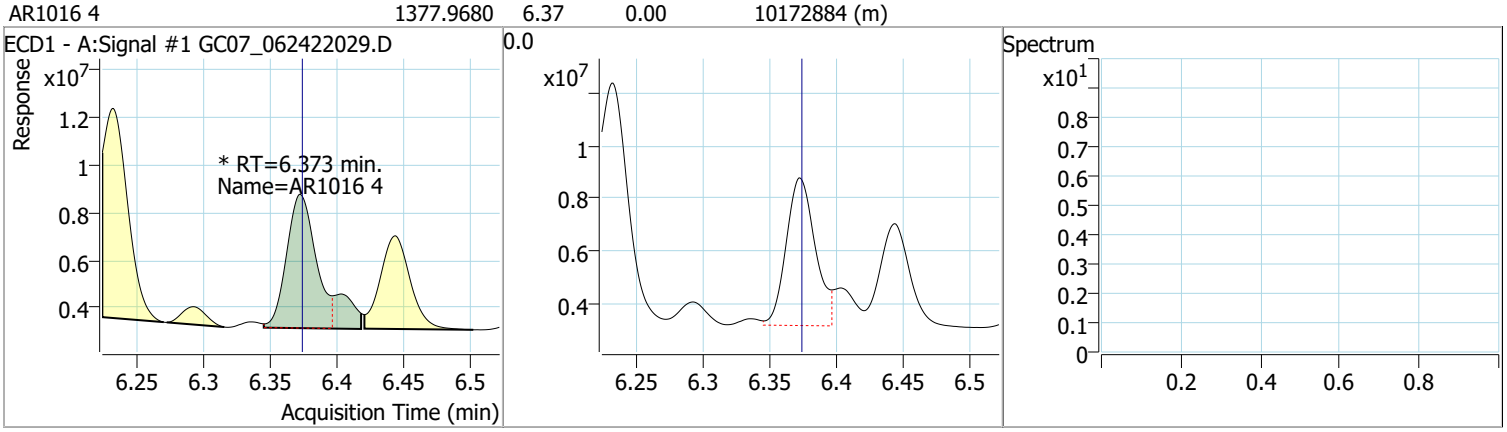
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1397.3492	6.23	0.00	14345444				



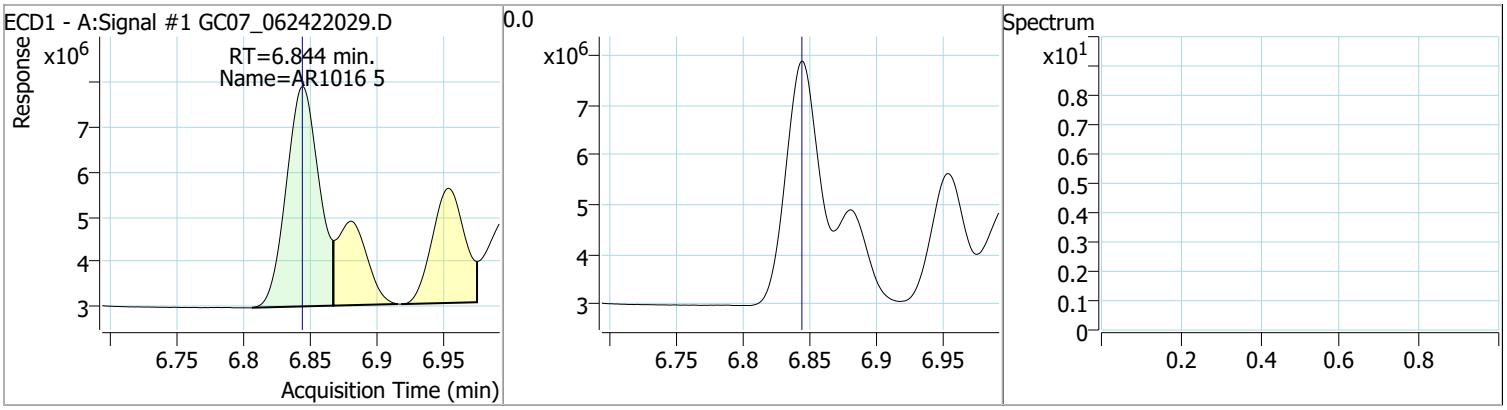
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1427.0129	6.34	0.00	3519153				



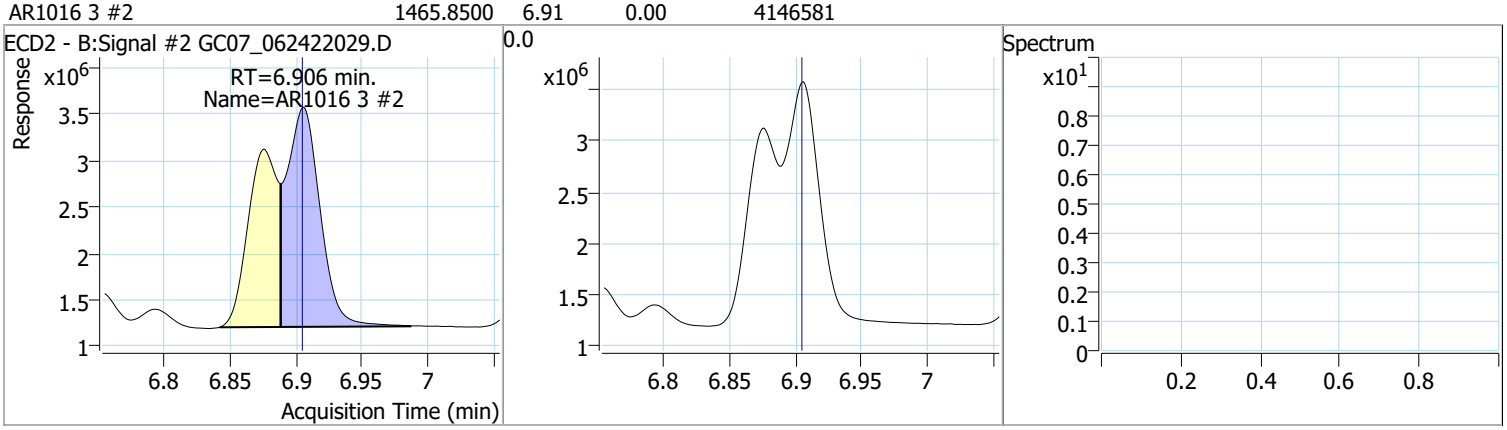
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1377.9680	6.37	0.00	10172884 (m)				



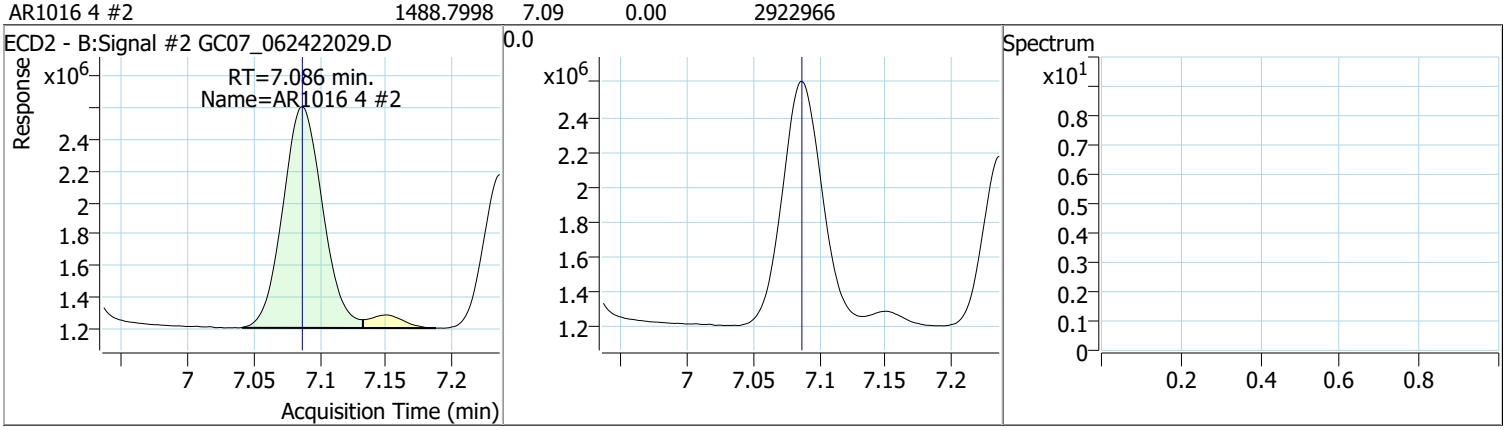
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1358.3187	6.84	0.00	8352834				



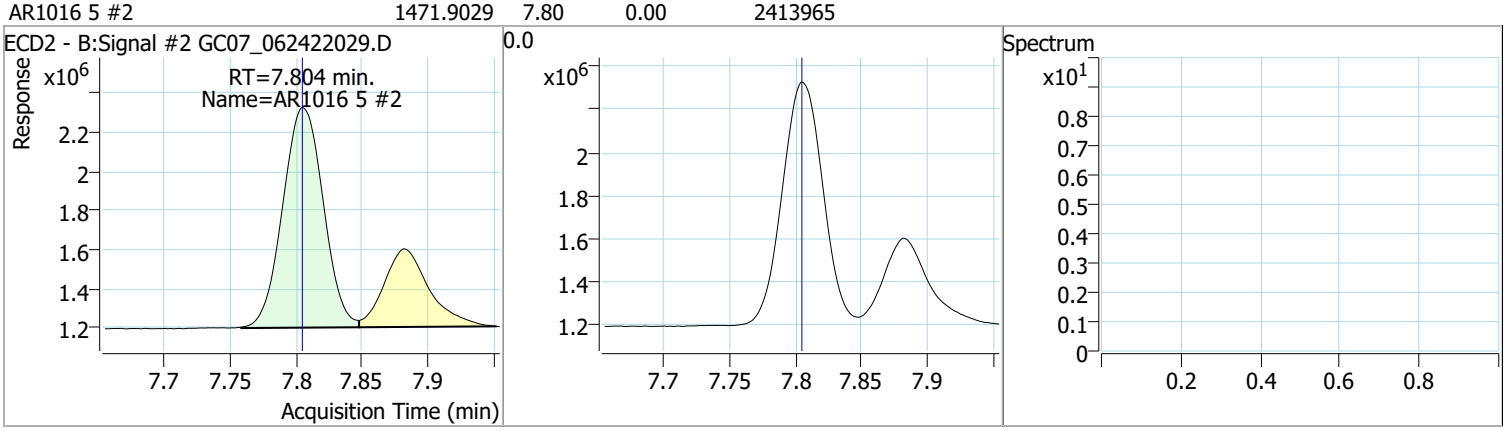
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1465.8500	6.91	0.00	4146581				



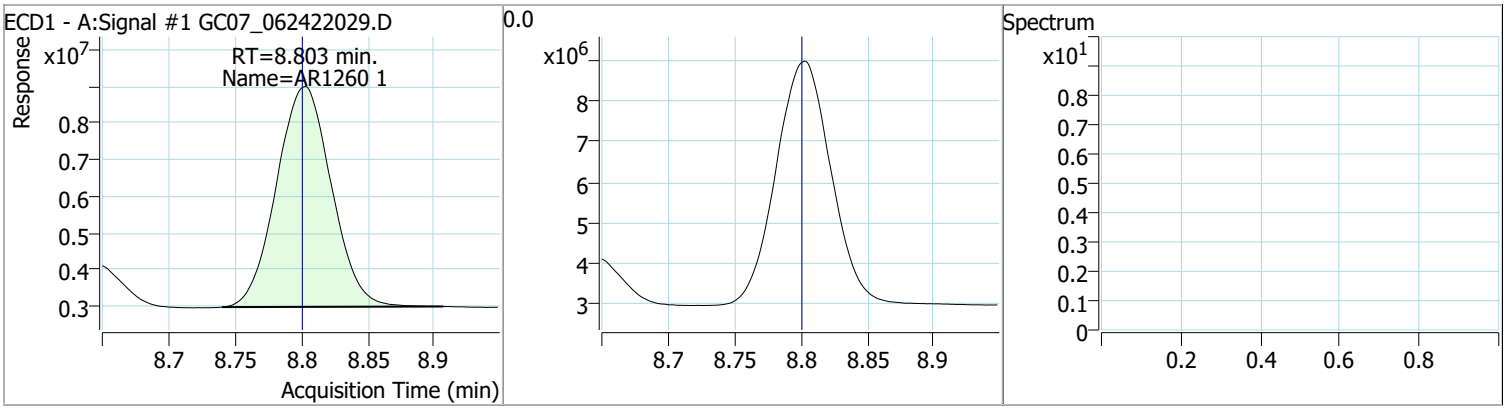
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1488.7998	7.09	0.00	2922966				



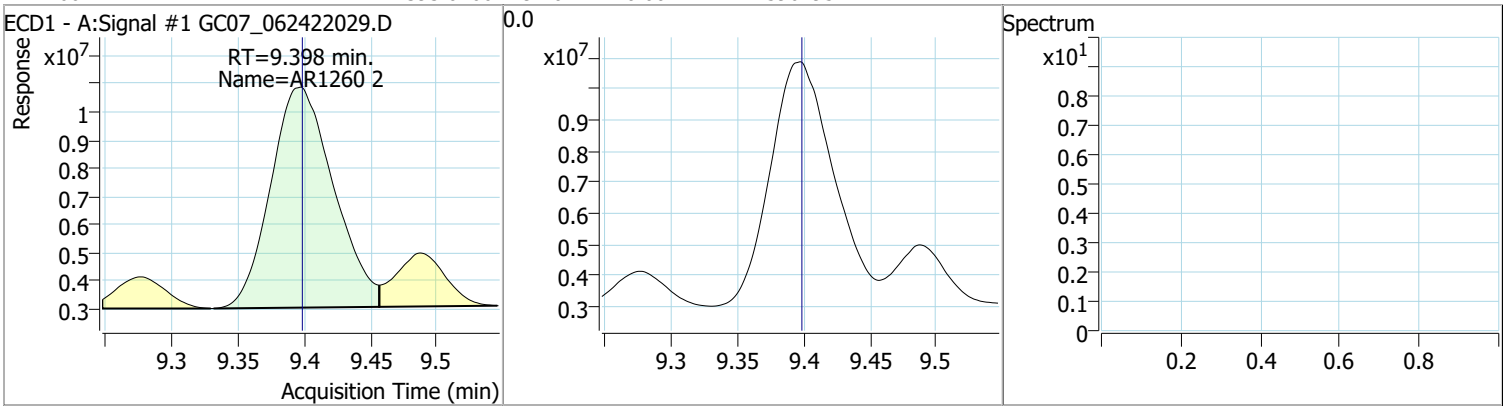
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1471.9029	7.80	0.00	2413965				



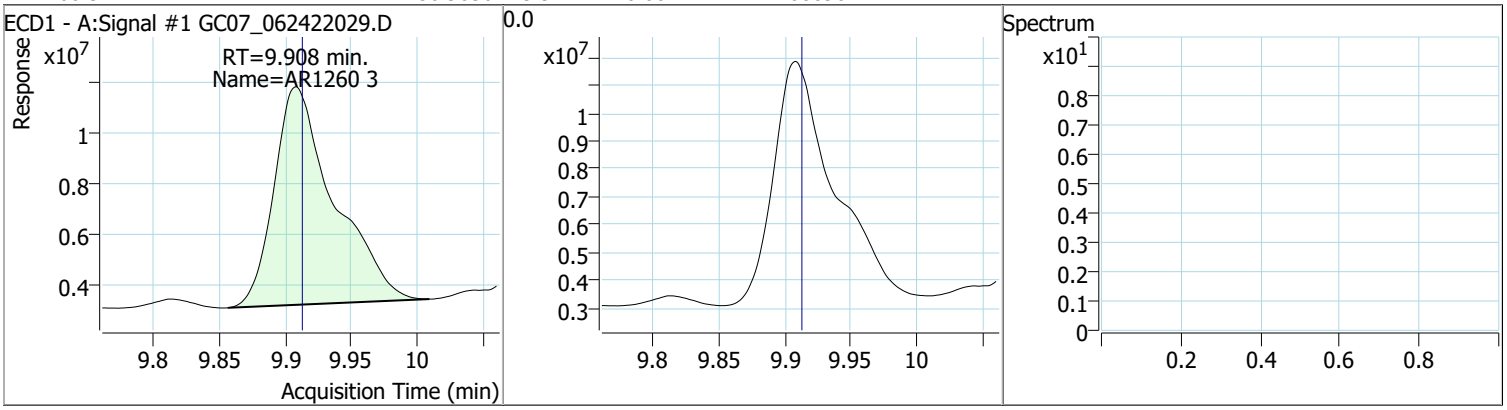
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1334.0648	8.80	0.00	17324159				



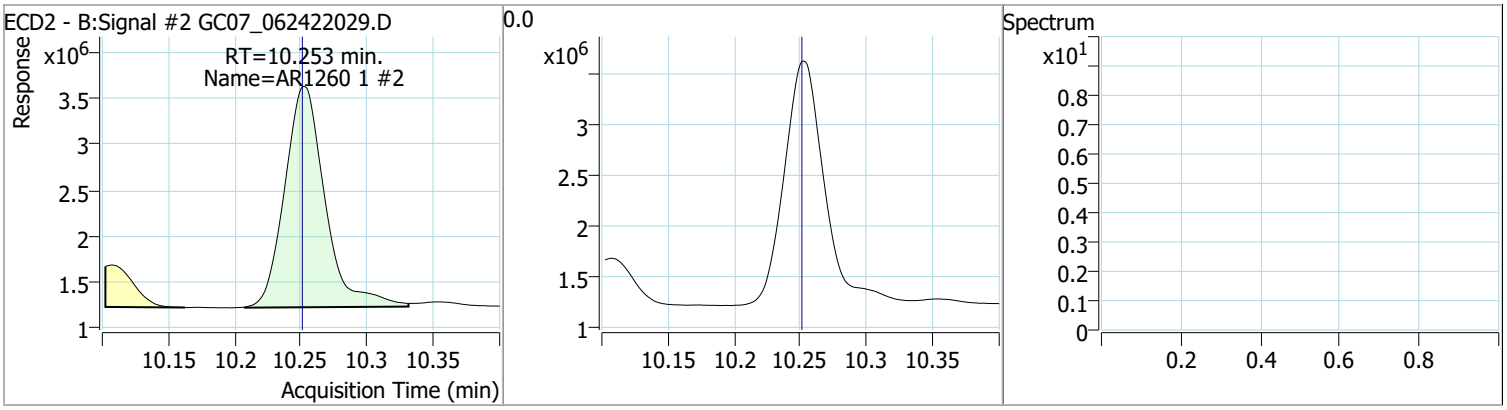
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1393.0166	9.40	0.00	25967954				



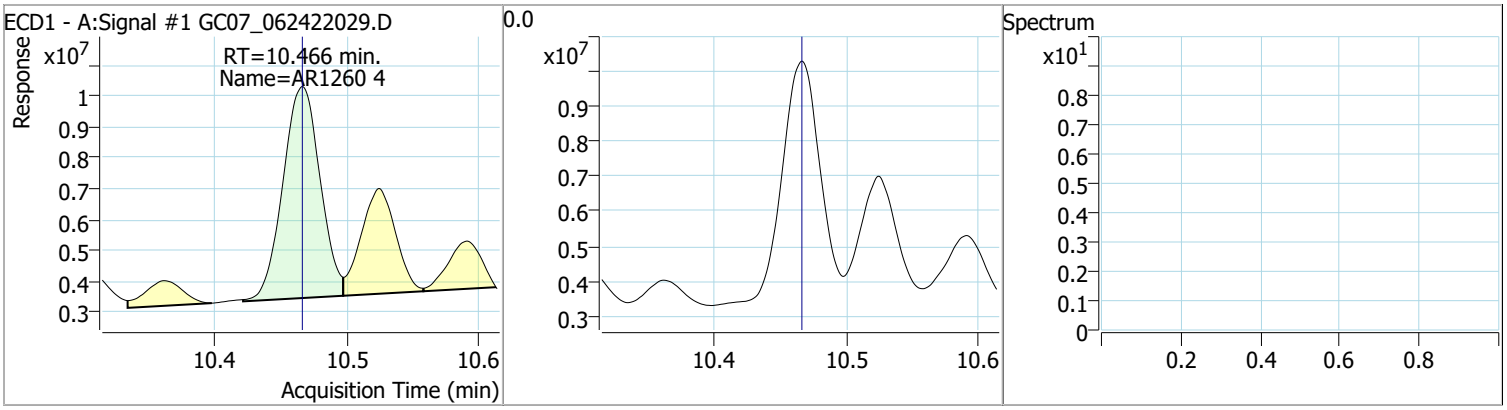
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1450.9036	9.91	0.00	27408890				



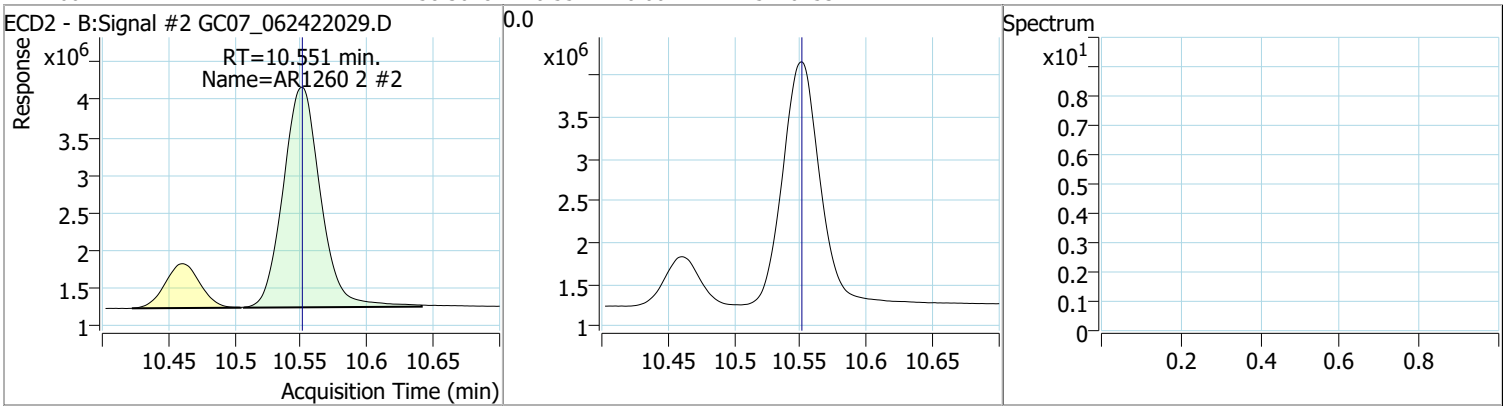
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1437.6357	10.25	0.00	5120287				



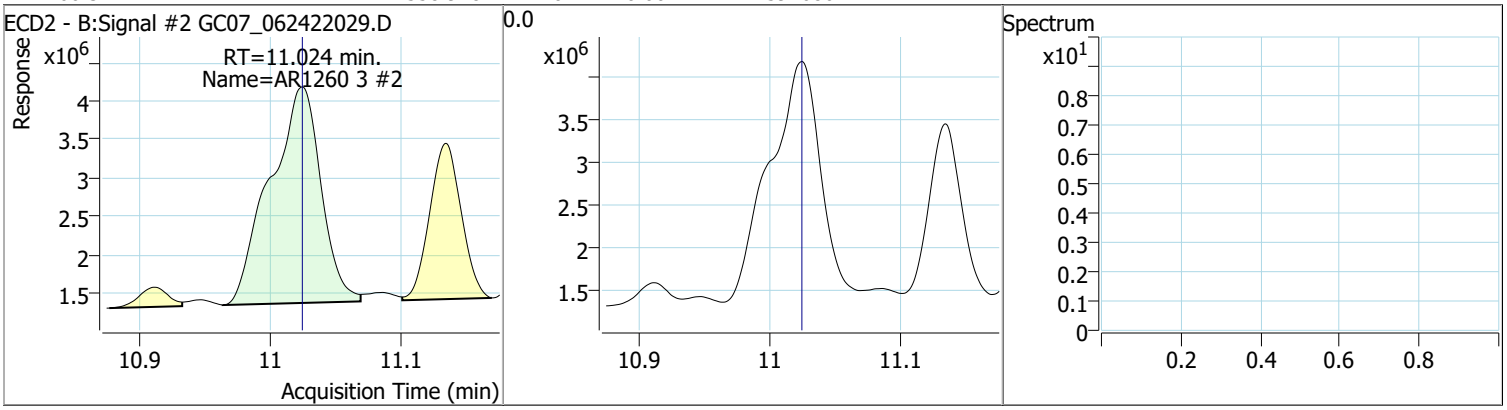
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1389.0468	10.47	0.00	13414288				



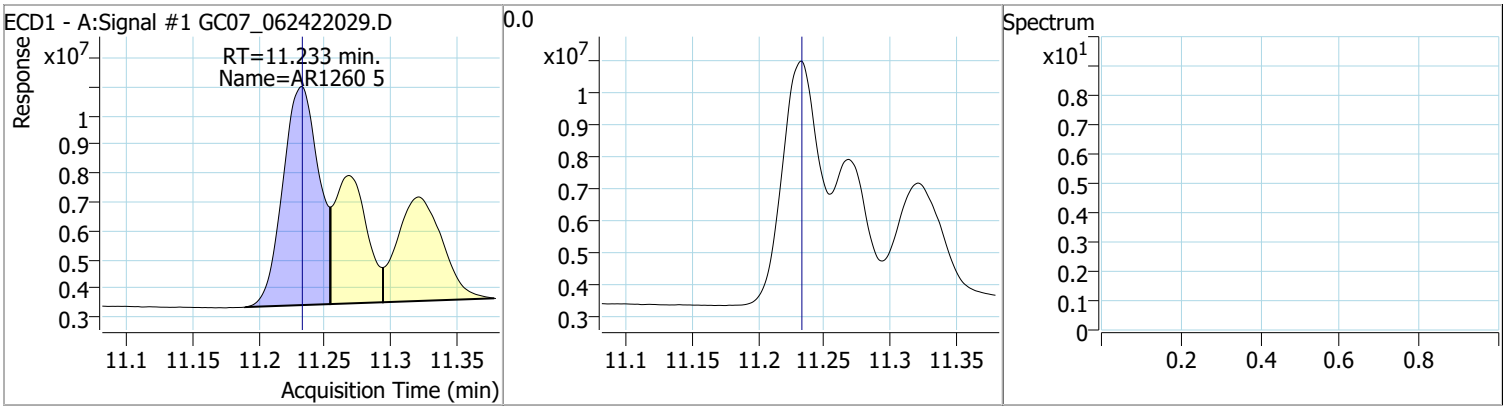
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1458.3018	10.55	0.00	5770453				



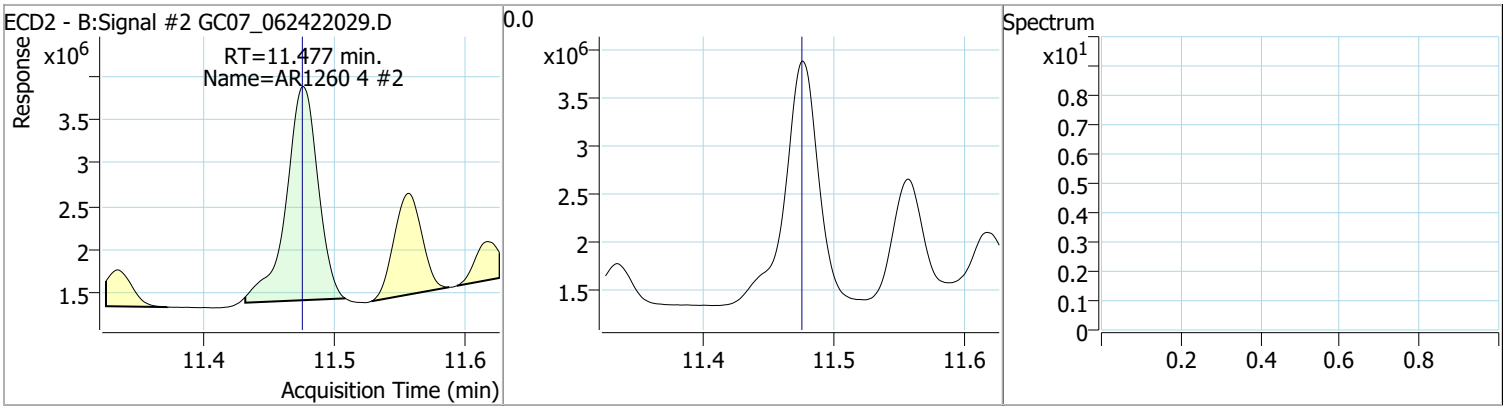
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1558.9287	11.02	0.00	7592680				



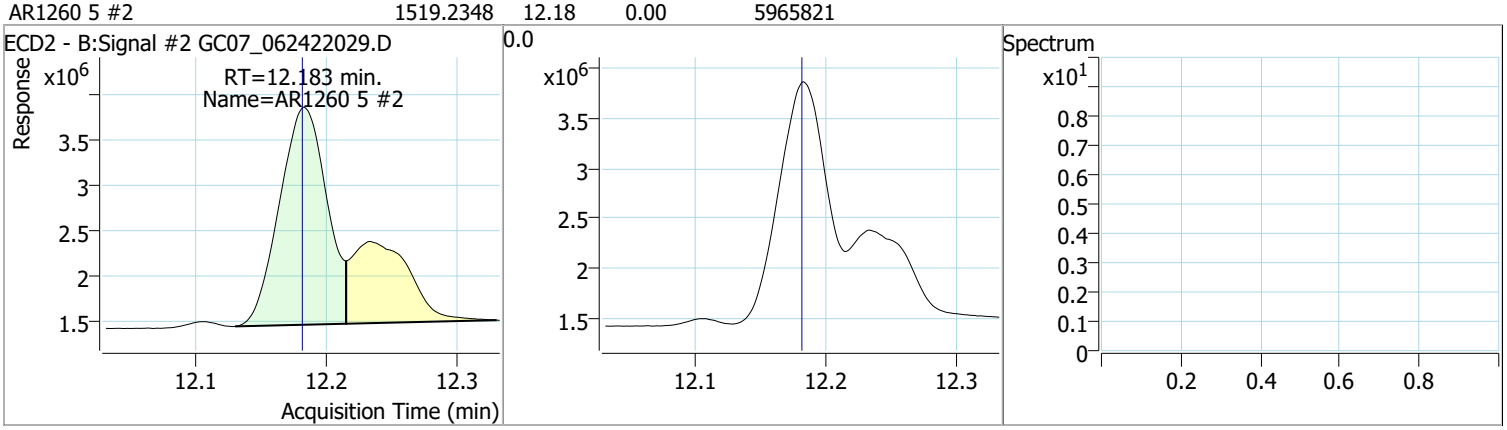
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1626.0963	11.23	0.00	14417231				



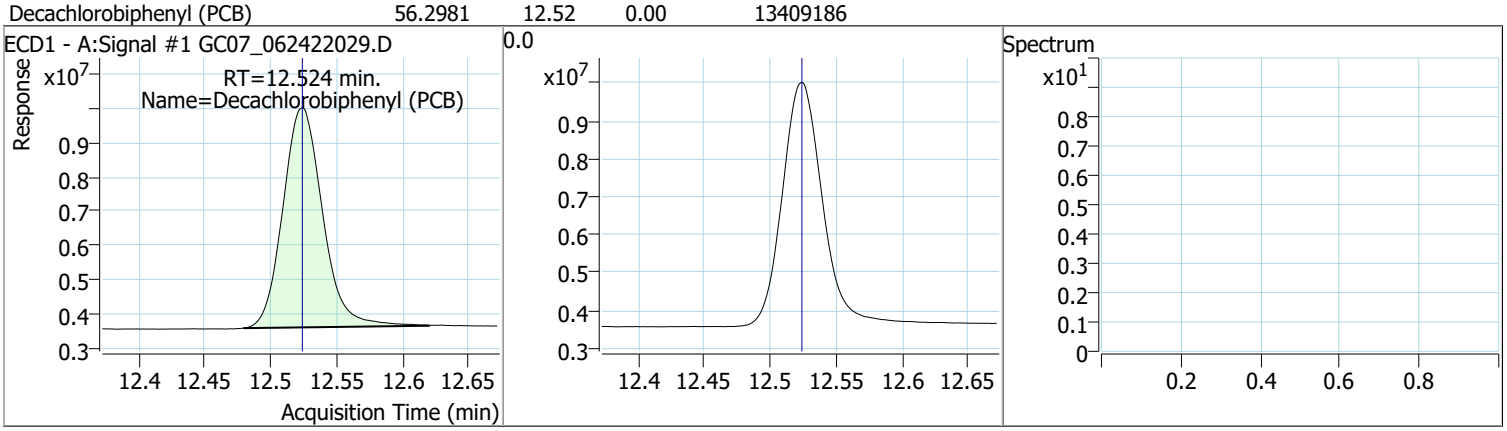
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1512.4557	11.48	0.00	4132961				



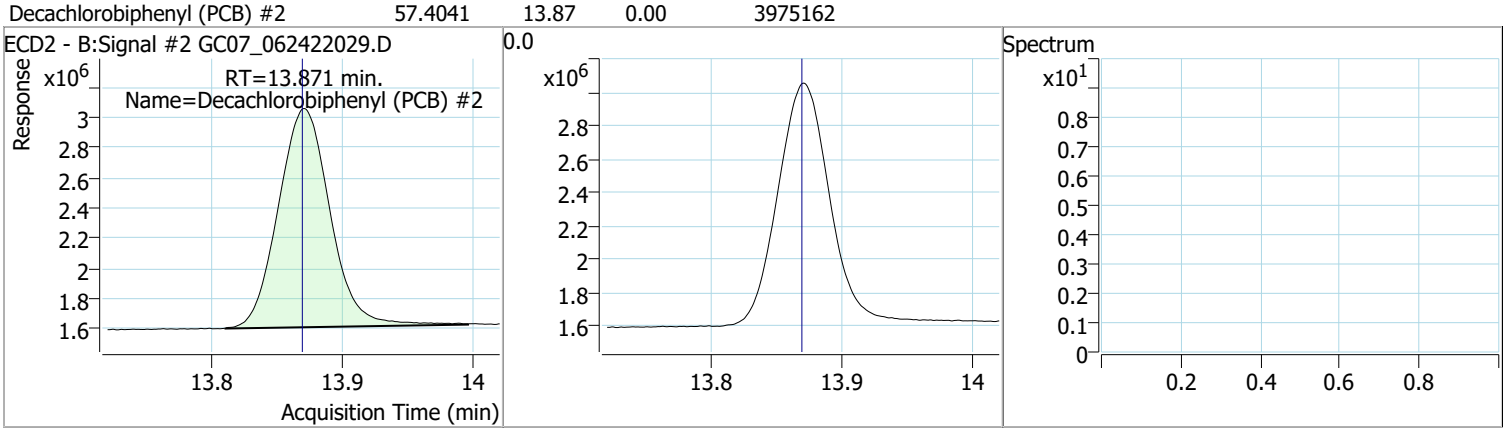
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1519.2348	12.18	0.00	5965821				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	56.2981	12.52	0.00	13409186				

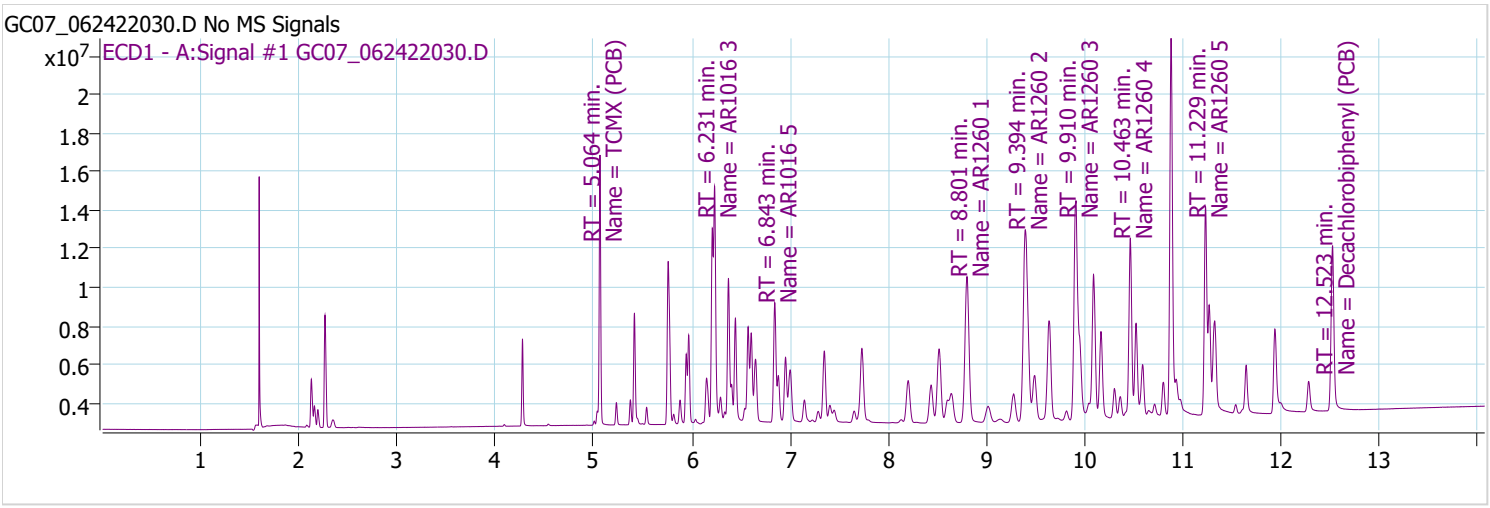


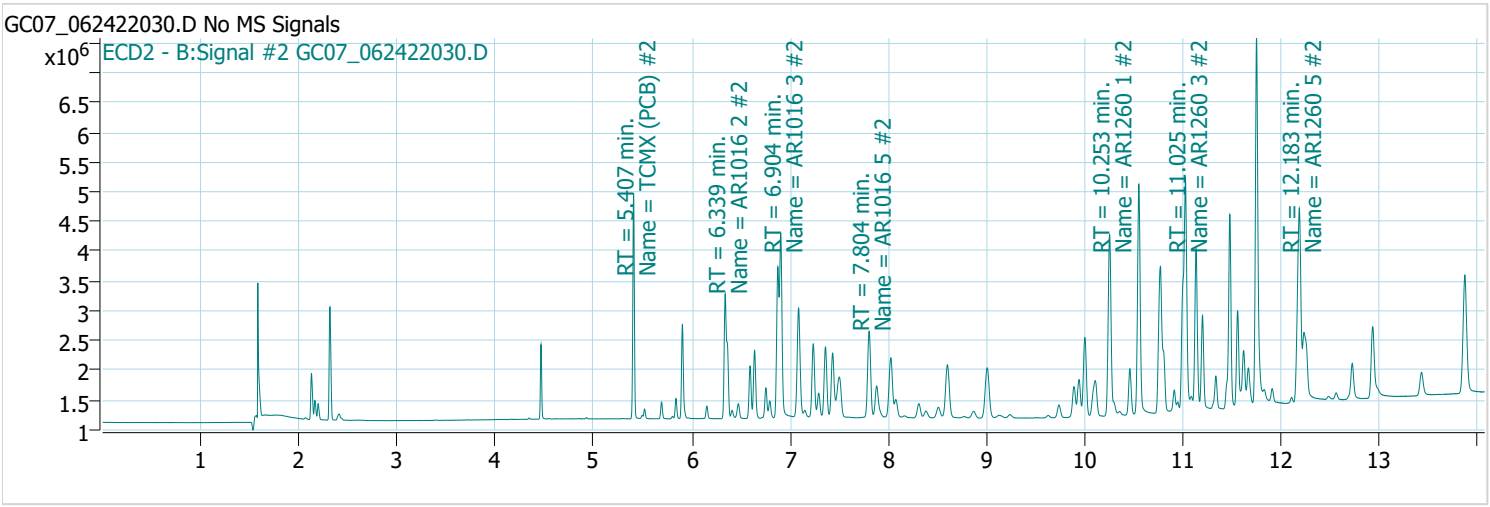
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	57.4041	13.87	0.00	3975162				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422030.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 2:59:43 AM
Sample Name	ICAL, S16726, 1	Instrument	SVOA-GC07
Vial	19	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	2000 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



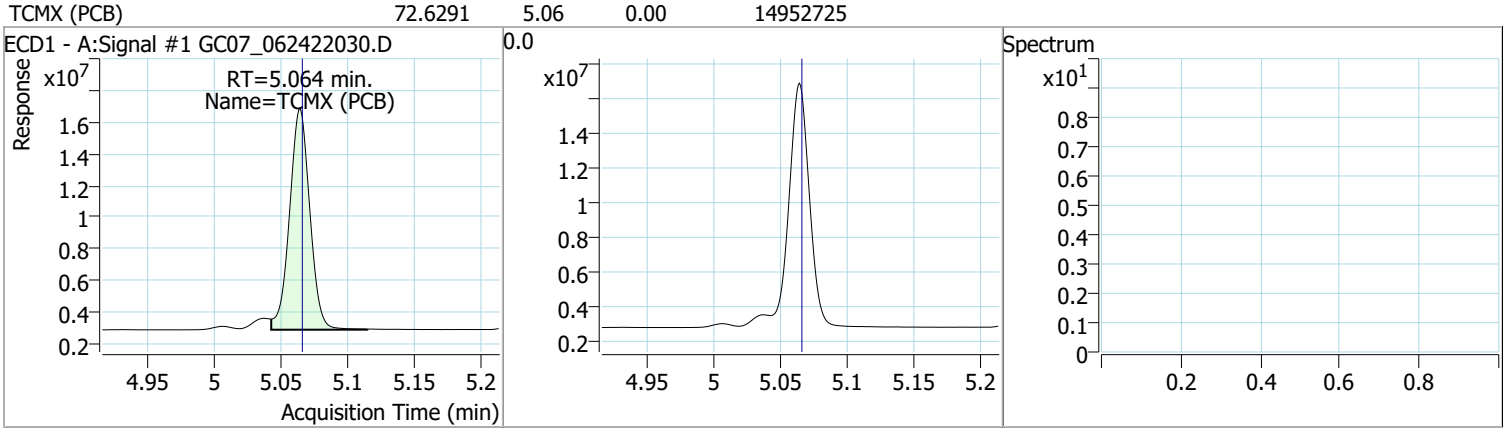


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.276	0.0	4365053.669	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.464	0.0	1150132.386	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.064	0.0	14952724.787	72.6291	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 363.15%		*	
S TCMX (PCB) #2	5.407	0.0	4167605.909	79.8452	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 399.23%		*	
S Decachlorobiphenyl (PCB)	12.523	0.0	17812393.038	73.0503	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 365.25%		*	
S Decachlorobiphenyl (PCB) #2	13.869	0.0	5273262.981	74.4584	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 372.29%		*	
Target Compounds							QValue

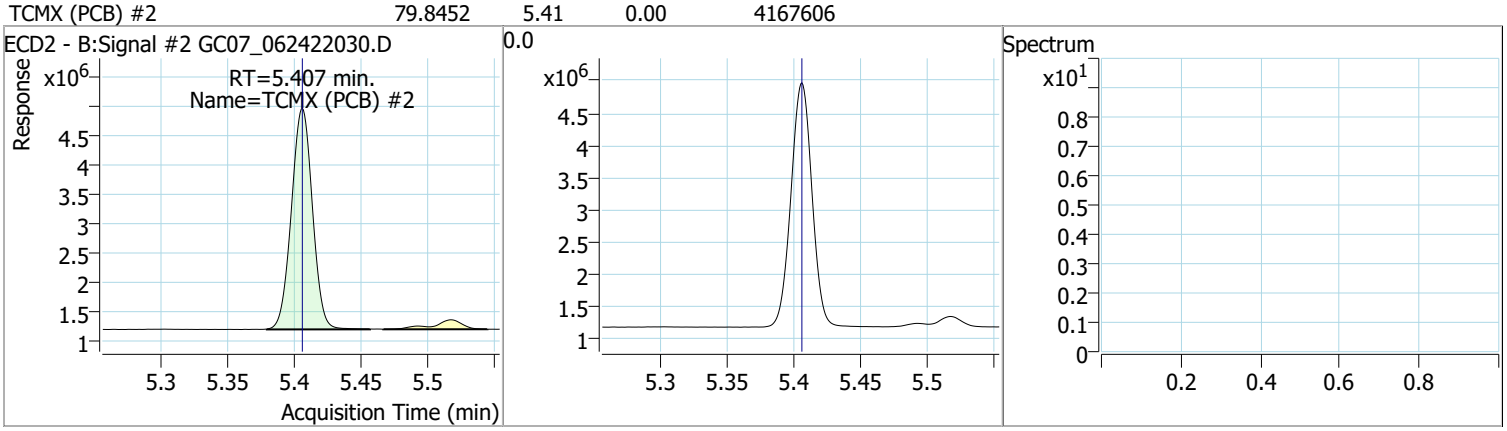
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.415	0.0	7120162.773	1700.2676	ng/ml	m	100
T AR1016 2	5.758	0.0	14810975.461	1631.8755	ng/ml		100
T AR1016 1 #2	5.903	0.0	2120457.254	1830.7570	ng/ml		100
T AR1016 3	6.231	0.0	18039417.481	1716.4153	ng/ml		100
T AR1016 2 #2	6.339	0.0	4491331.880	1780.7840	ng/ml		100
T AR1016 4	6.372	0.0	12967529.525	1715.7784	ng/ml	m	100
T AR1016 5	6.843	0.0	10714001.242	1701.8780	ng/ml		100
T AR1016 3 #2	6.904	0.0	5410319.720	1870.1167	ng/ml		100
T AR1016 4 #2	7.087	0.0	3770733.516	1877.9532	ng/ml		100
T AR1016 5 #2	7.804	0.0	3114359.024	1856.7920	ng/ml		100
T AR1260 1	8.801	0.0	21787980.965	1638.8931	ng/ml		100
T AR1260 2	9.394	0.0	32917120.413	1724.8420	ng/ml		100
T AR1260 3	9.910	0.0	35506795.463	1835.9781	ng/ml		100
T AR1260 1 #2	10.253	0.0	6584362.429	1807.6512	ng/ml		100
T AR1260 4	10.463	0.0	17362852.581	1756.2212	ng/ml		100
T AR1260 2 #2	10.550	0.0	7387670.504	1825.5404	ng/ml		100
T AR1260 3 #2	11.025	0.0	9880982.766	1983.7079	ng/ml		100
T AR1260 5	11.229	0.0	19446571.916	2142.4779	ng/ml		100
T AR1260 4 #2	11.476	0.0	5317223.956	1902.6228	ng/ml		100
T AR1260 5 #2	12.183	0.0	7951541.912	1979.9418	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

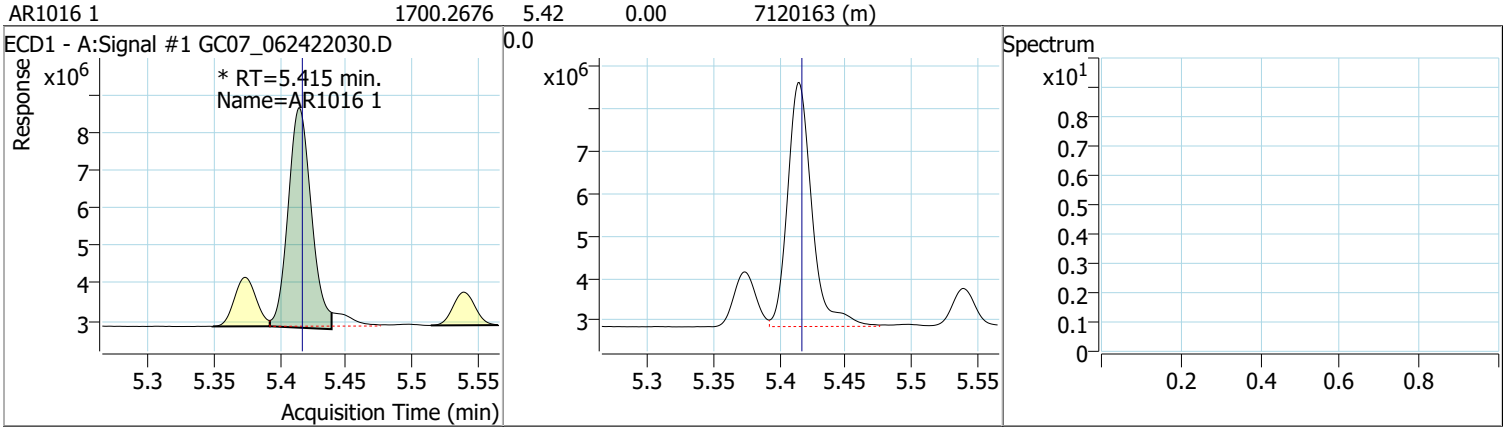
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	72.6291	5.06	0.00	14952725				



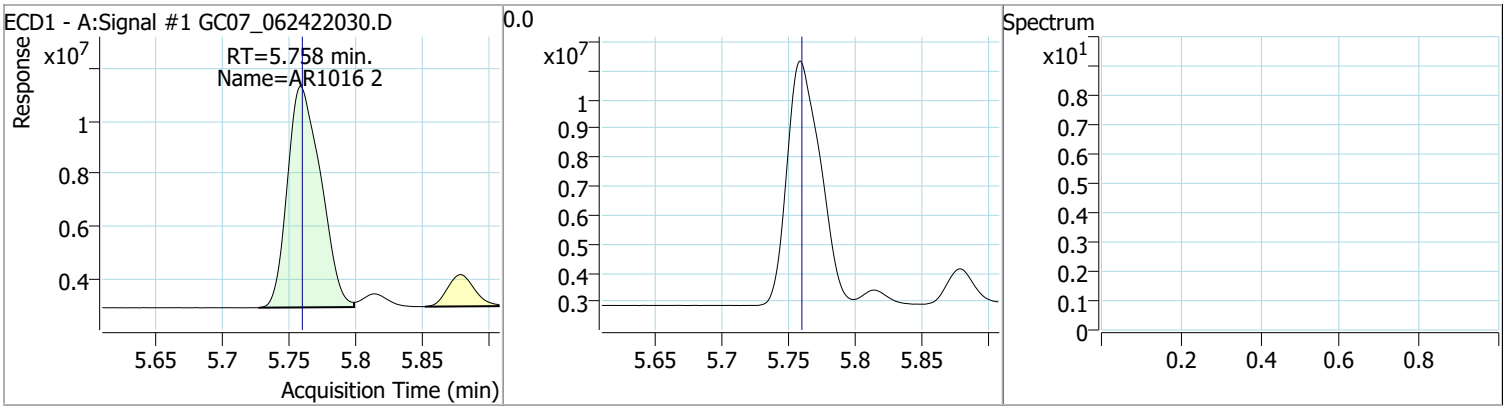
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	79.8452	5.41	0.00	4167606				



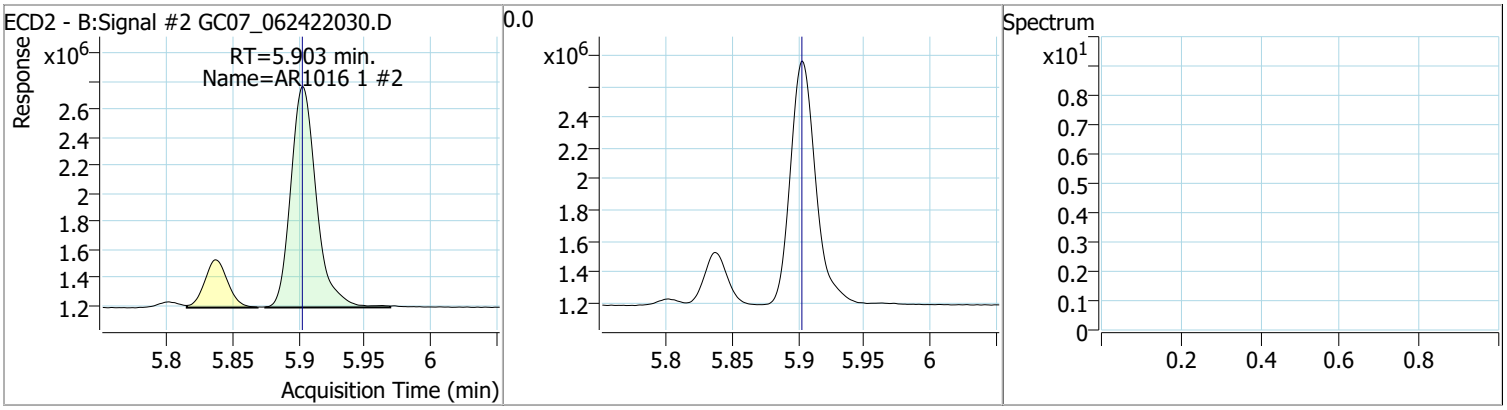
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1700.2676	5.42	0.00	7120163 (m)				



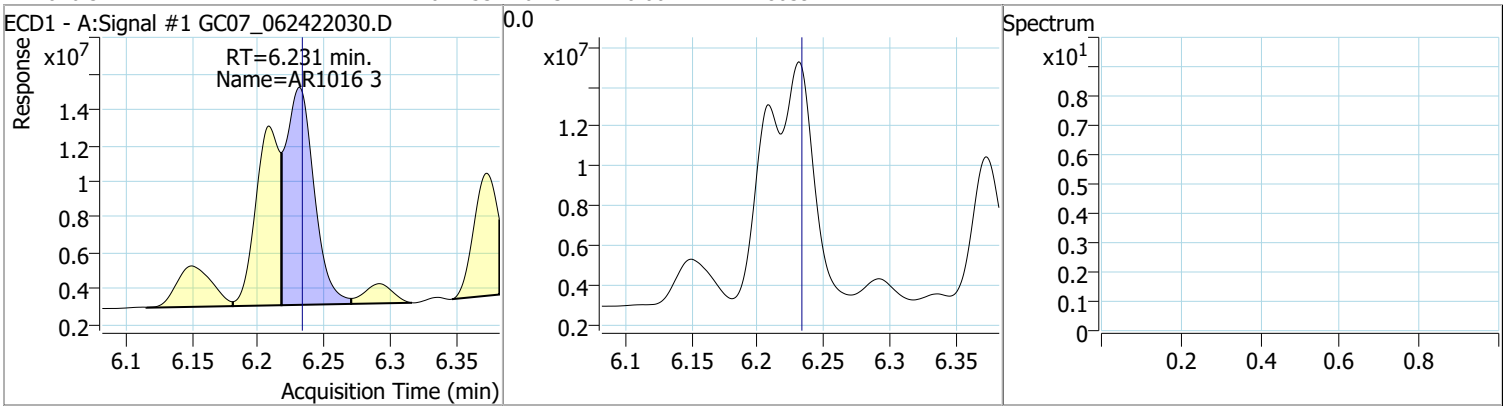
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1631.8755	5.76	0.00	14810975				



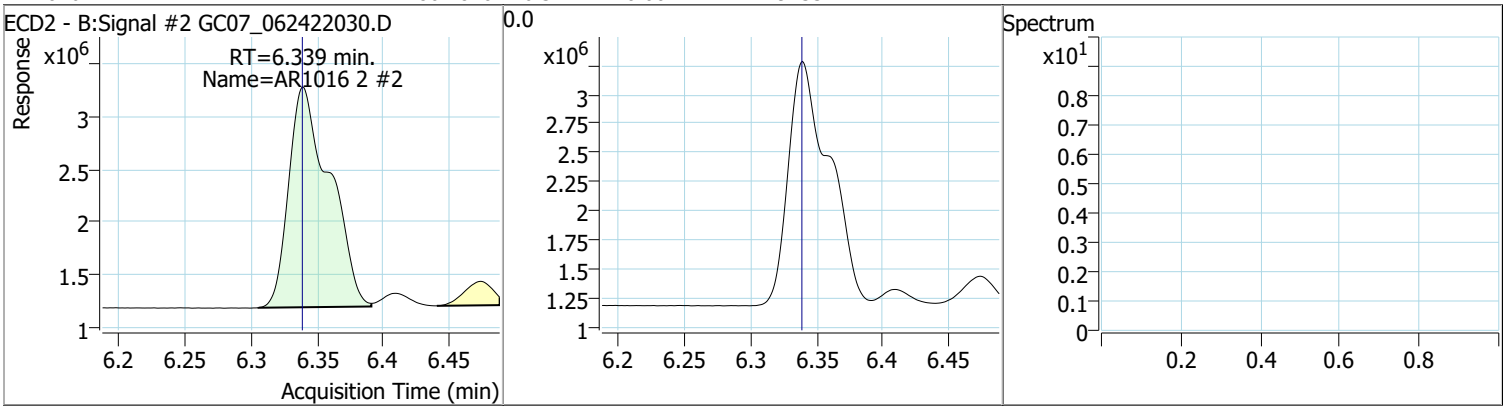
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1830.7570	5.90	0.00	2120457				



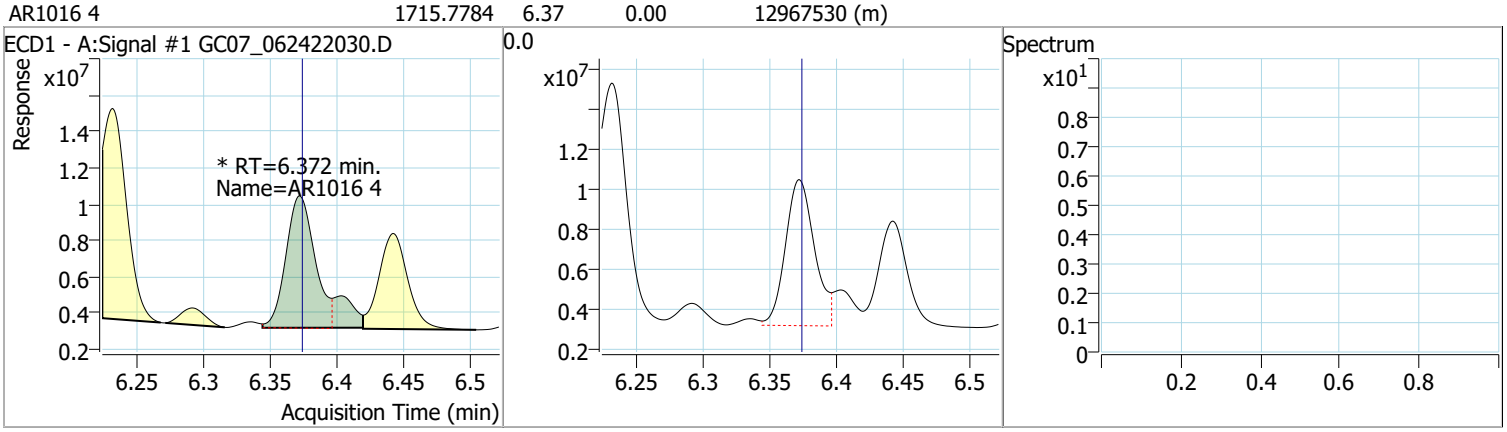
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1716.4153	6.23	0.00	18039417				



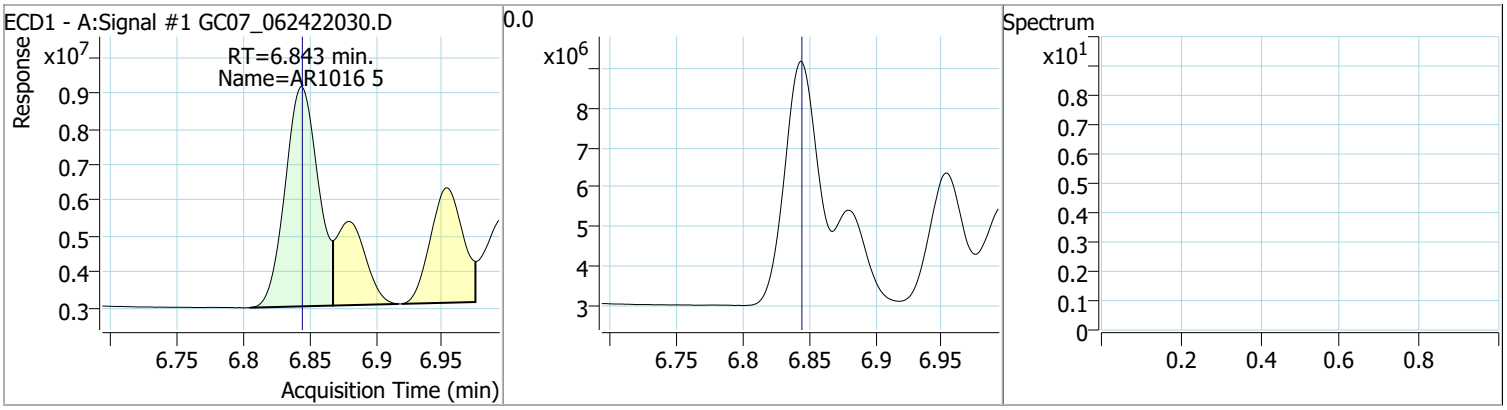
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1780.7840	6.34	0.00	4491332				



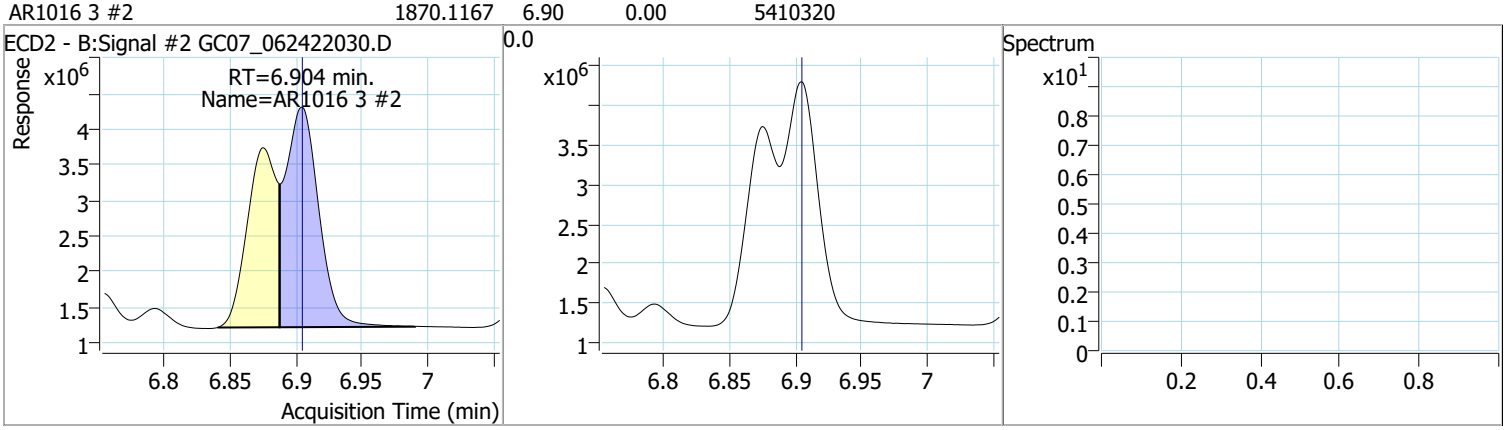
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1715.7784	6.37	0.00	12967530 (m)				



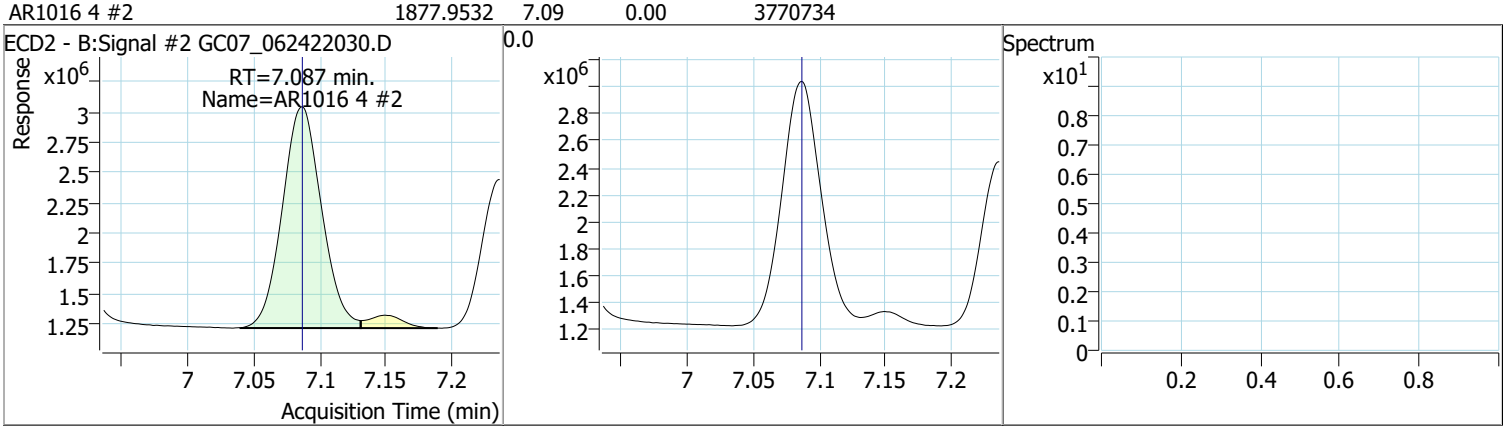
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1701.8780	6.84	0.00	10714001				



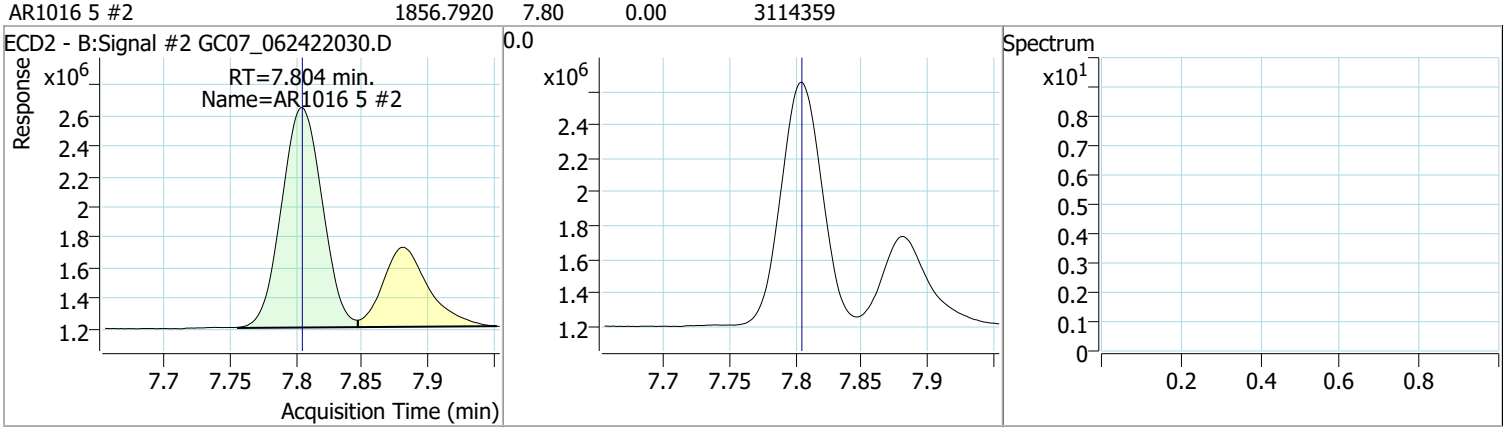
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1870.1167	6.90	0.00	5410320				



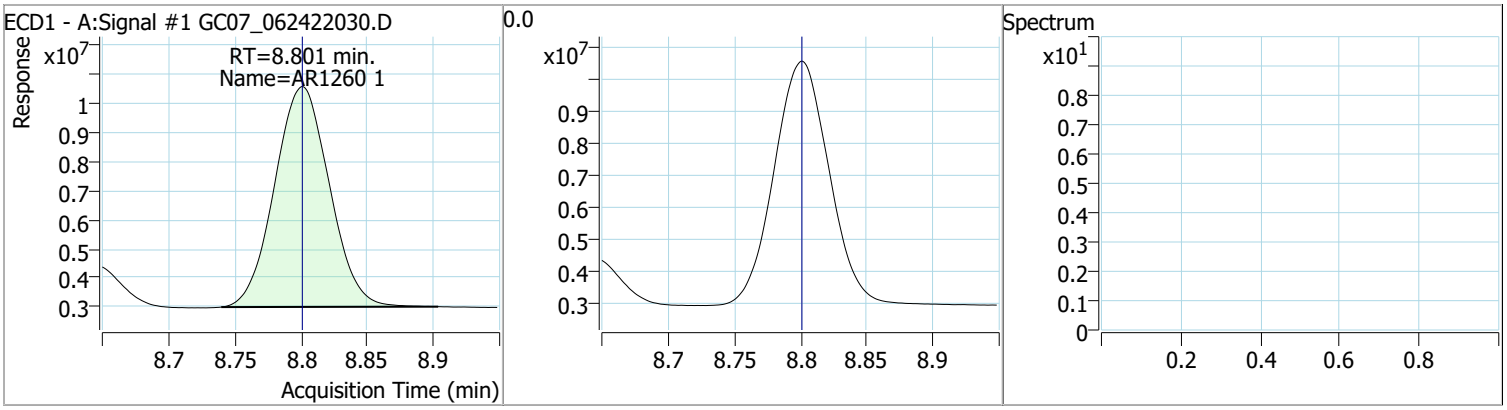
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1877.9532	7.09	0.00	3770734				



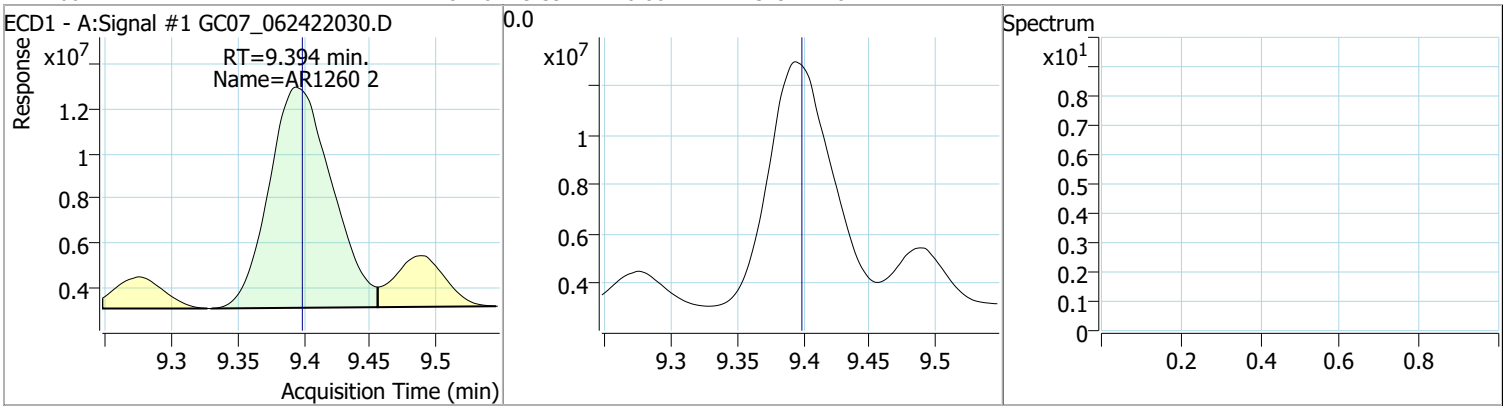
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1856.7920	7.80	0.00	3114359				



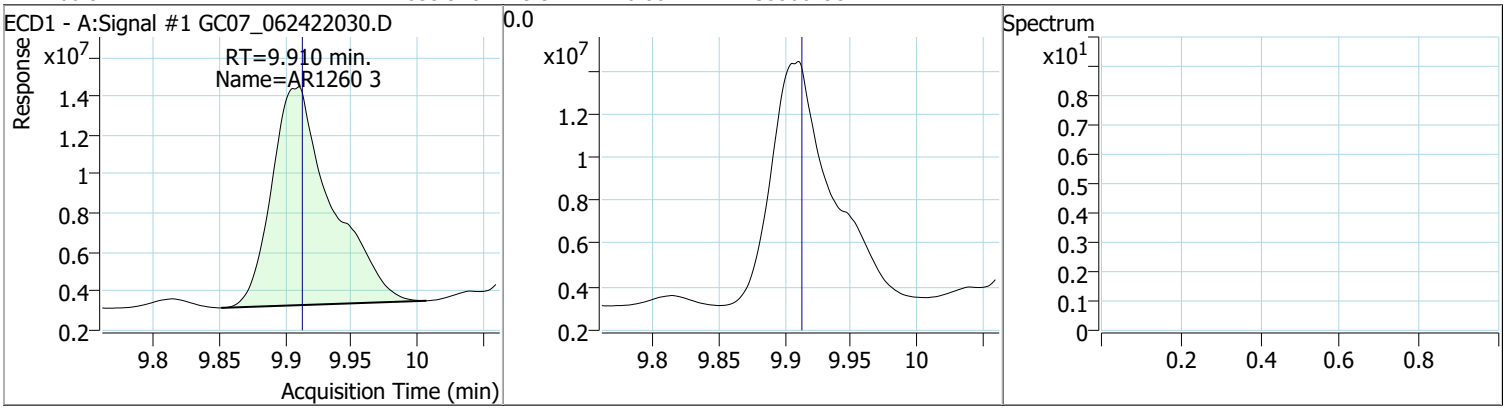
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1638.8931	8.80	0.00	21787981				



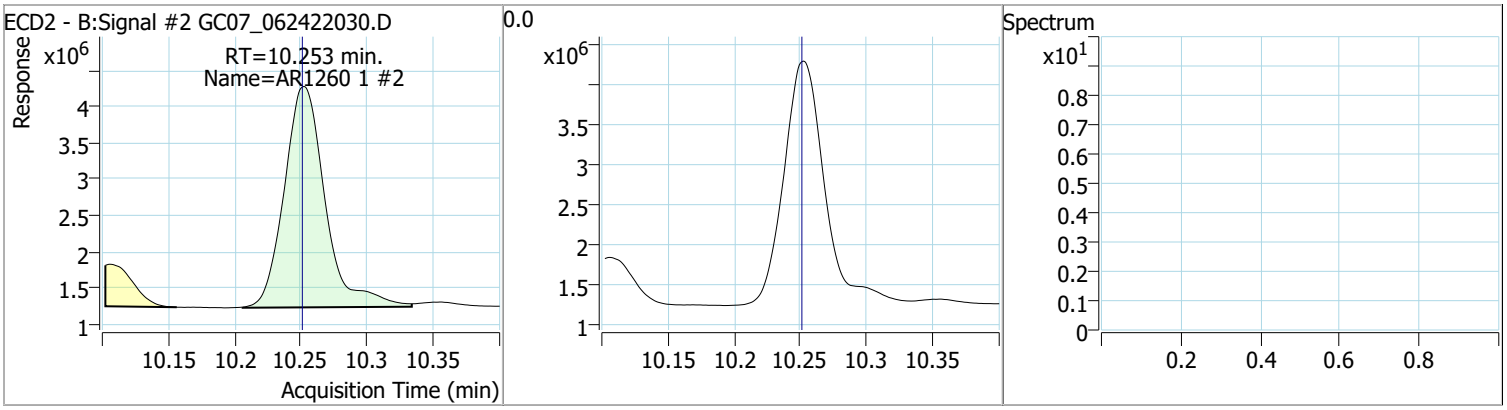
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1724.8420	9.39	0.00	32917120				



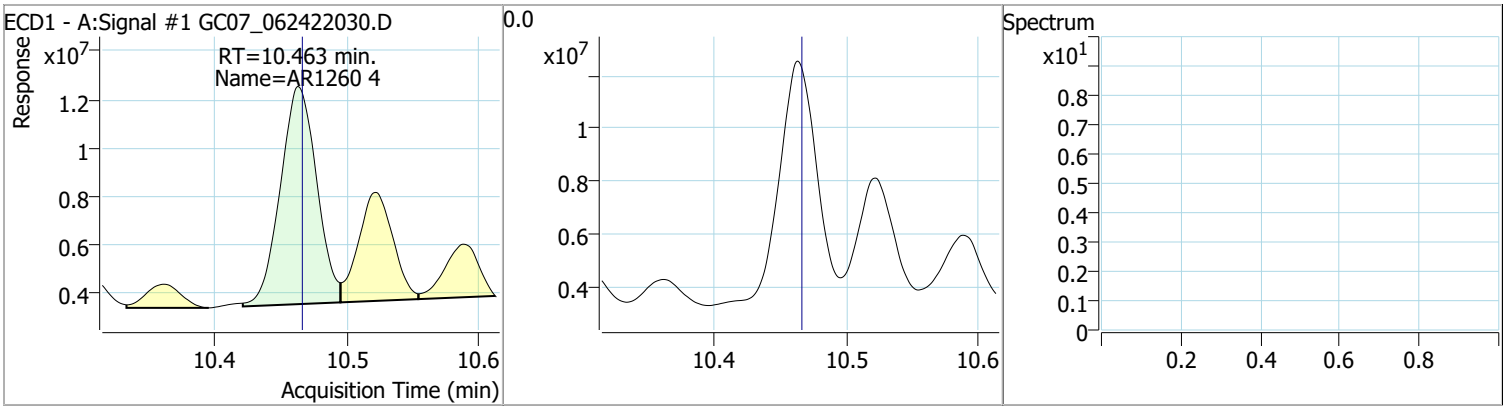
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1835.9781	9.91	0.00	35506795				



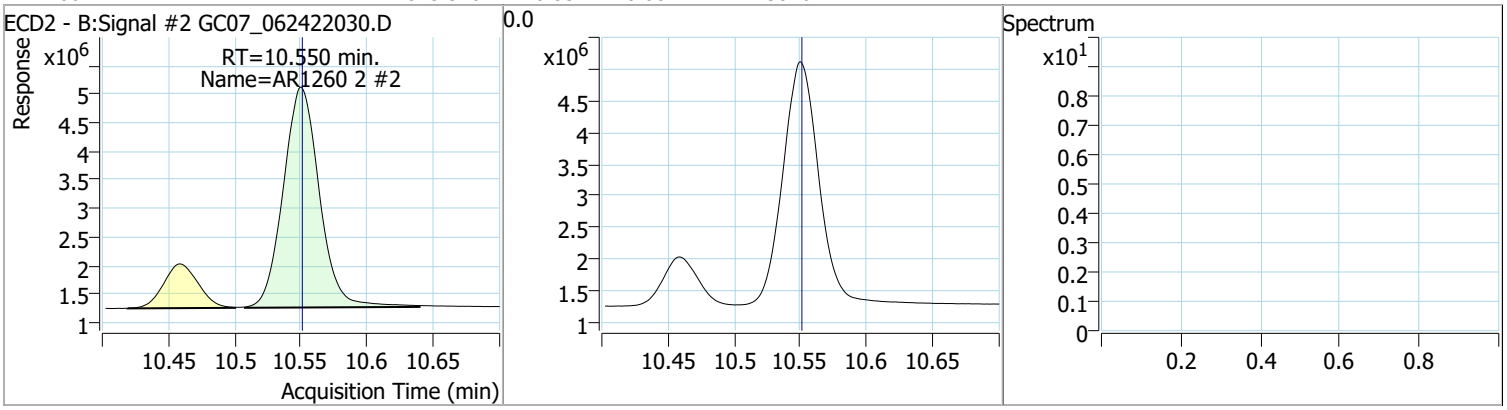
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1807.6512	10.25	0.00	6584362				



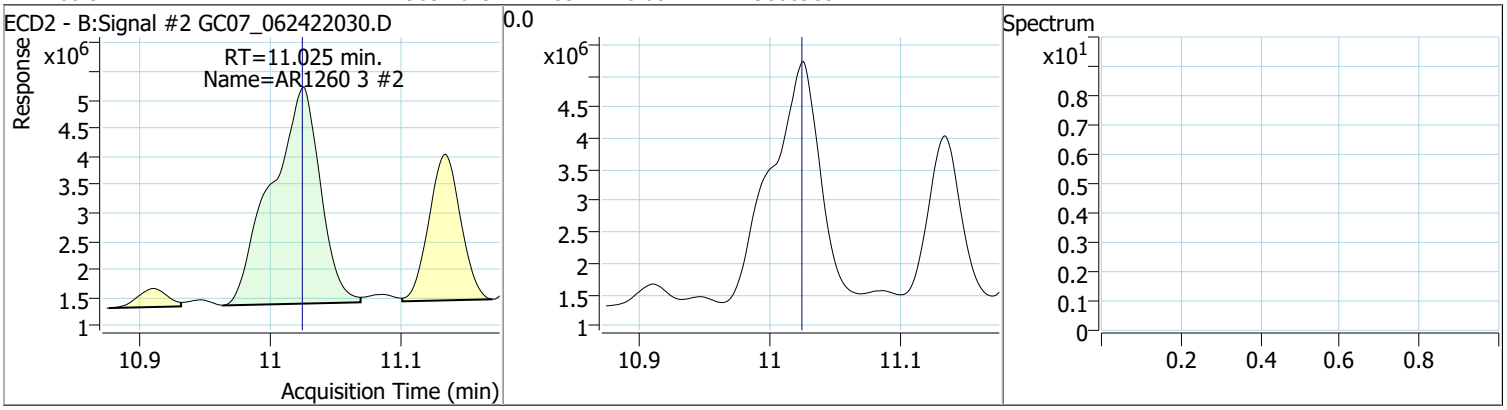
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1756.2212	10.46	0.00	17362853				



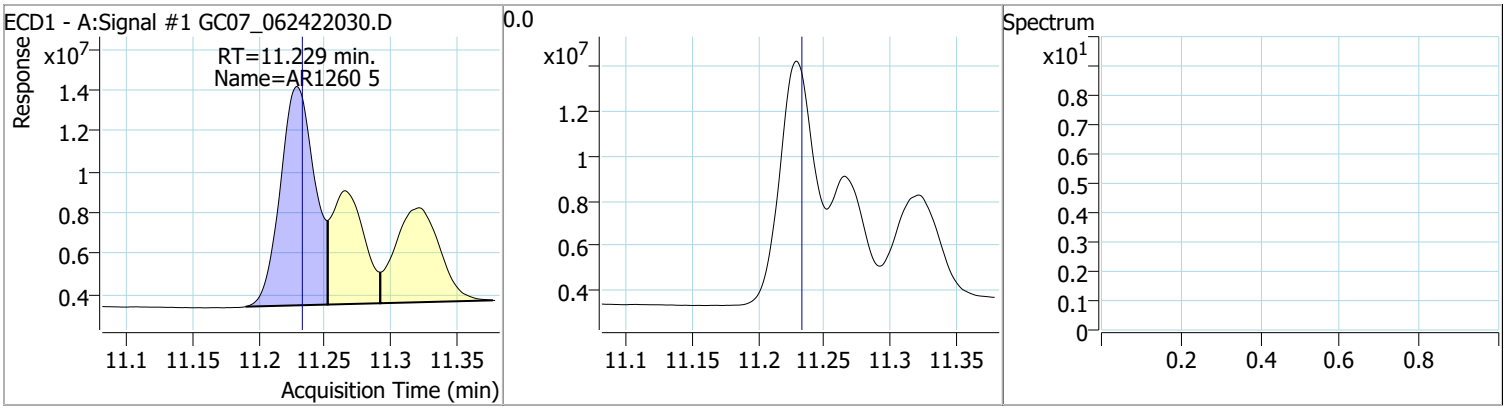
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1825.5404	10.55	0.00	7387671				



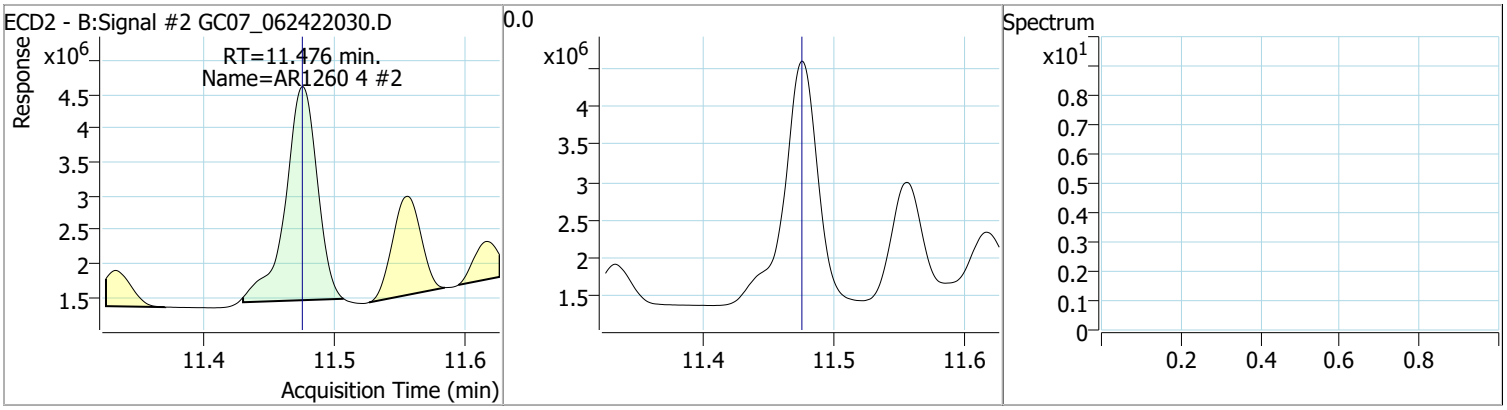
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1983.7079	11.03	0.00	9880983				



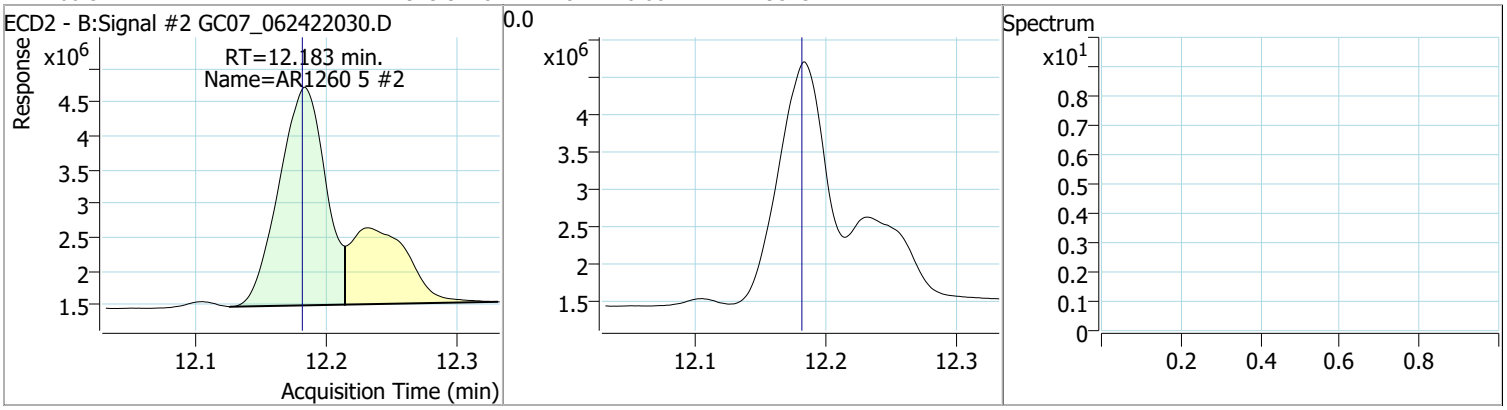
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	2142.4779	11.23	0.00	19446572				



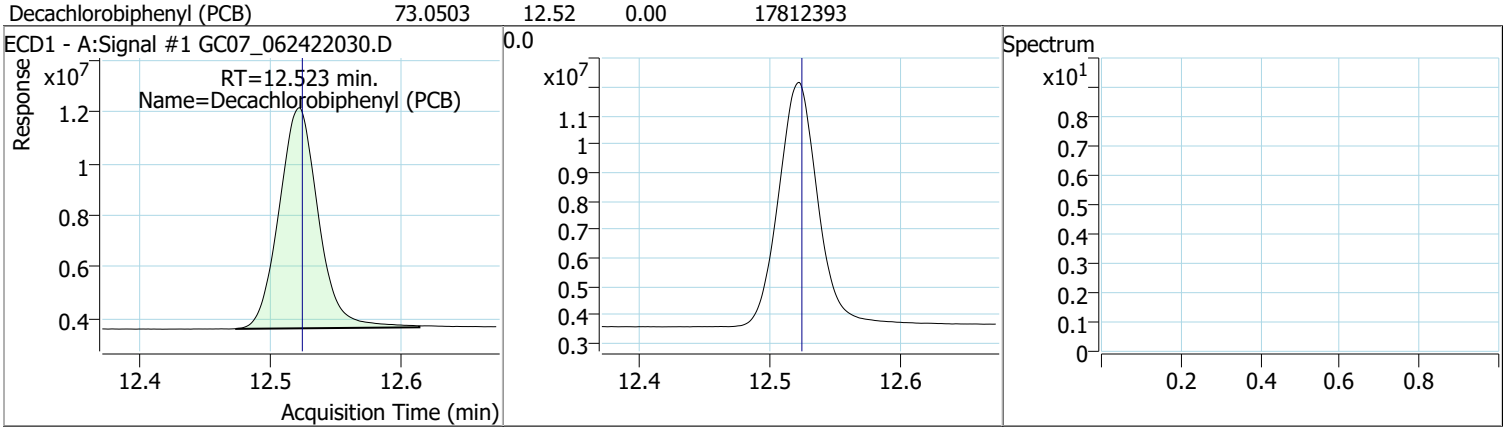
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1902.6228	11.48	0.00	5317224				



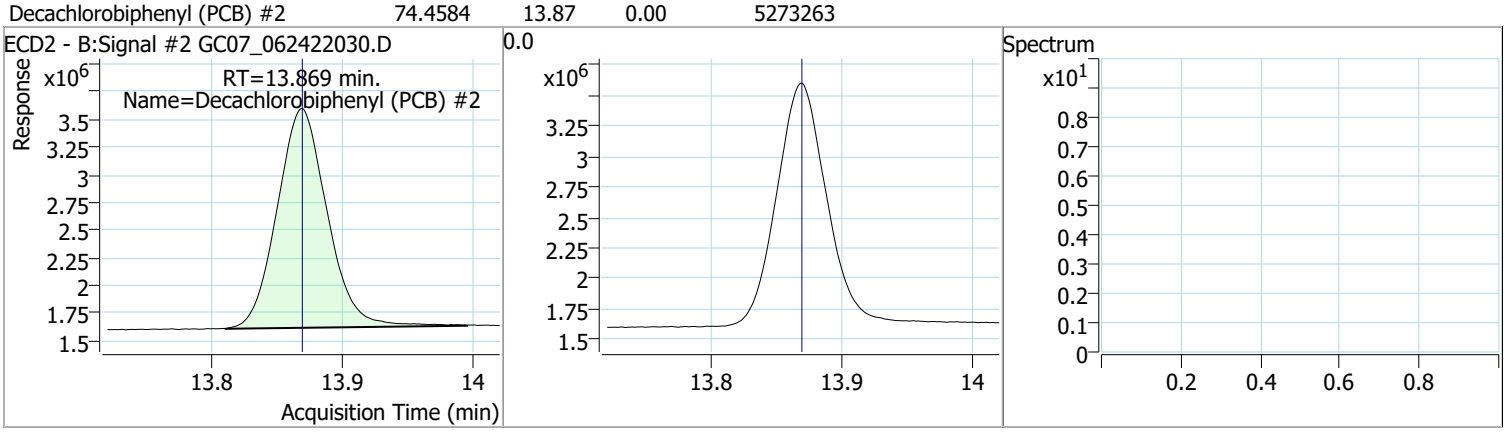
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1979.9418	12.18	0.00	7951542				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	73.0503	12.52	0.00	17812393				

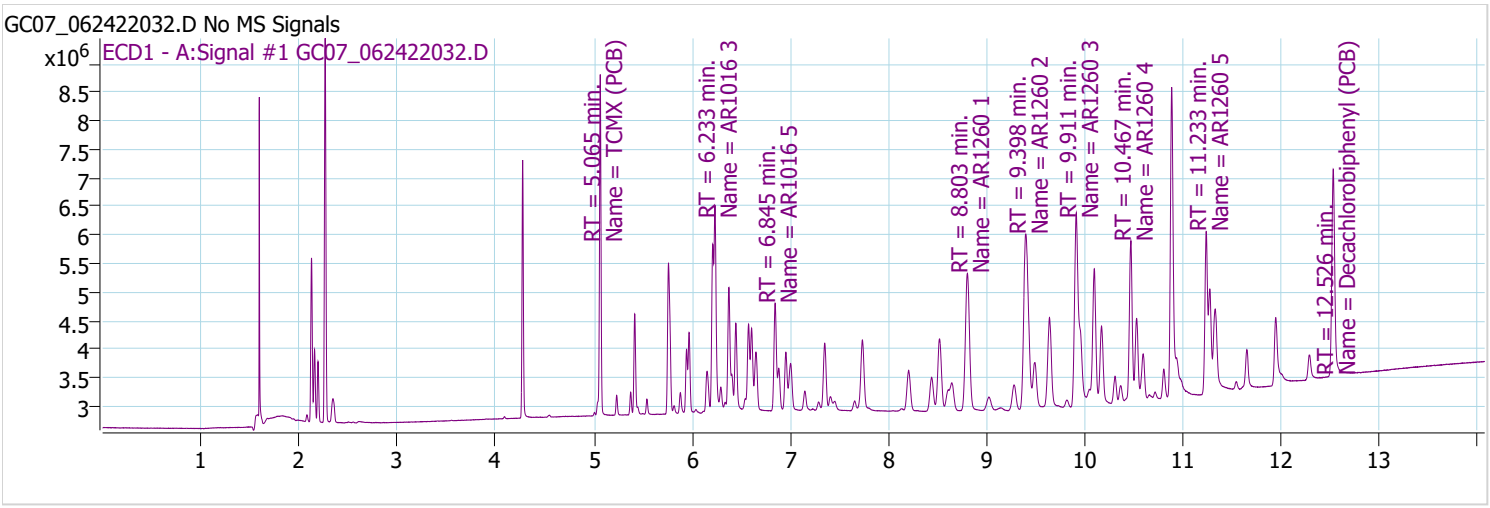


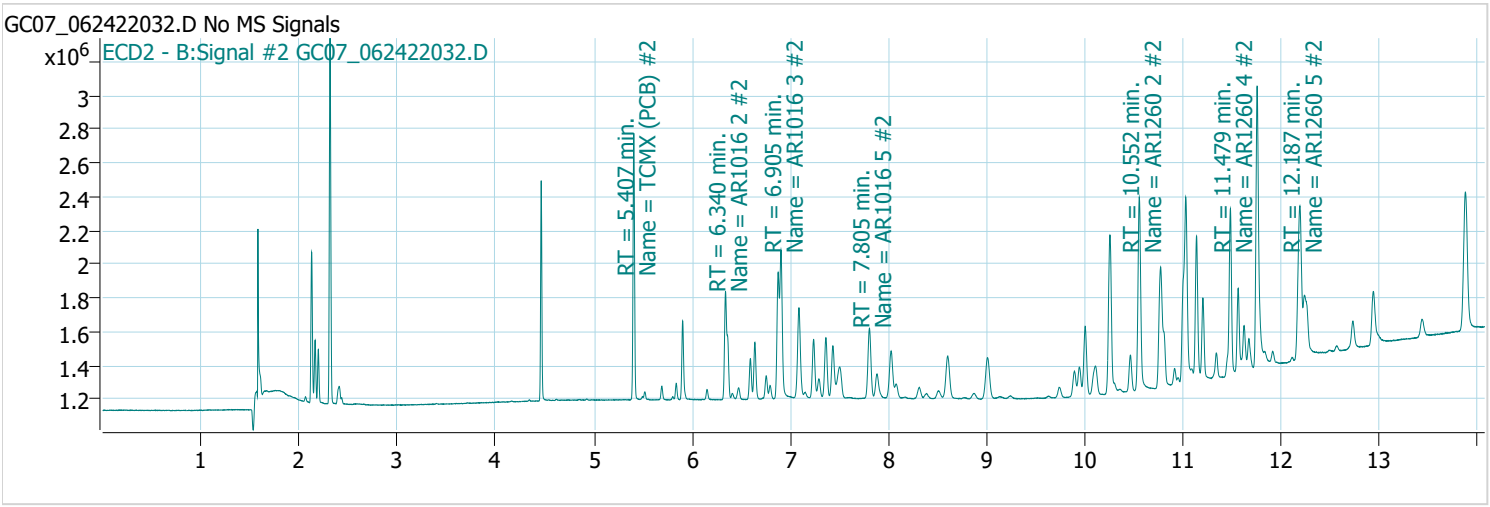
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	74.4584	13.87	0.00	5273263				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062422032.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	6/25/2022 3:34:47 AM
Sample Name	ICV, S16460	Instrument	SVOA-GC07
Vial	20	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_1.m	Comment	ICV PCB 500 PPB
Tune File	ATUNE.U	Tune Date	
Batch Name	062522PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



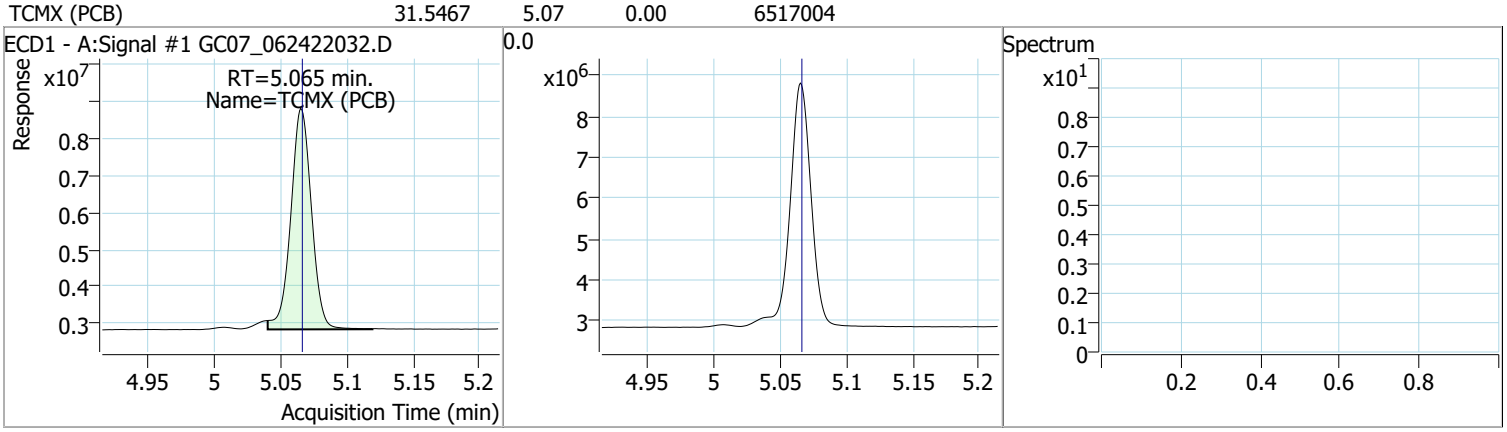


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.276	0.0	4380001.545	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.464	0.0	1162375.121	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.065	0.0	6517003.537	31.5467	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 157.73%		*	
S TCMX (PCB) #2	5.407	0.0	1736280.471	32.9142	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 164.57%		*	
S Decachlorobiphenyl (PCB)	12.526	0.0	7630932.148	31.1884	ng/ml		0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 155.94%		*	
S Decachlorobiphenyl (PCB) #2	13.871	0.0	2272784.465	31.7537	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 158.77%		*	
Target Compounds							QValue

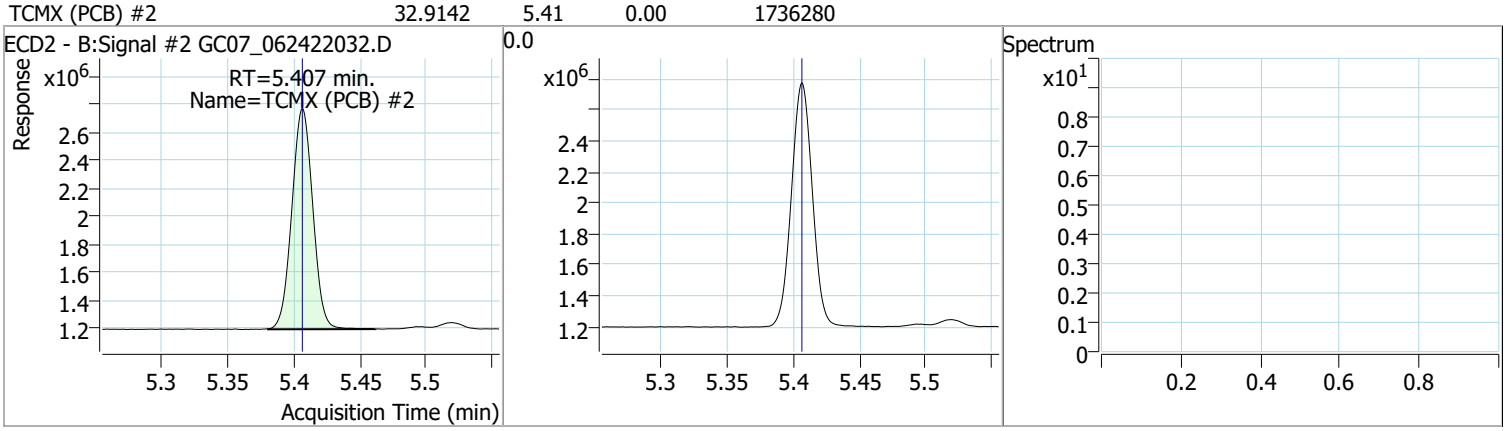
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.416	0.0	2178837.717	518.5224	ng/ml	m	100
T AR1016 2	5.760	0.0	4642693.939	509.7870	ng/ml		100
T AR1016 1 #2	5.904	0.0	621423.878	530.8730	ng/ml		100
T AR1016 3	6.233	0.0	5342379.321	506.5822	ng/ml		100
T AR1016 2 #2	6.340	0.0	1335548.891	523.9591	ng/ml		100
T AR1016 4	6.375	0.0	4069231.258	536.5765	ng/ml	m	100
T AR1016 5	6.845	0.0	3270931.448	517.8017	ng/ml		100
T AR1016 3 #2	6.905	0.0	1520880.636	520.1666	ng/ml		100
T AR1016 4 #2	7.088	0.0	1079057.494	531.7470	ng/ml		100
T AR1016 5 #2	7.805	0.0	884088.226	521.5449	ng/ml		100
T AR1260 1	8.803	0.0	7014371.141	525.8207	ng/ml		100
T AR1260 2	9.398	0.0	10362586.885	541.1417	ng/ml		100
T AR1260 3	9.911	0.0	10584612.381	545.4391	ng/ml		100
T AR1260 1 #2	10.253	0.0	2028569.774	551.0518	ng/ml		100
T AR1260 4	10.467	0.0	5296031.081	533.8558	ng/ml		100
T AR1260 2 #2	10.552	0.0	2268856.319	554.7438	ng/ml		100
T AR1260 3 #2	11.024	0.0	2956424.368	587.2809	ng/ml		100
T AR1260 5	11.233	0.0	5010403.817	550.1250	ng/ml		100
T AR1260 4 #2	11.479	0.0	1589082.205	562.6206	ng/ml		100
T AR1260 5 #2	12.187	0.0	2266612.500	558.4443	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

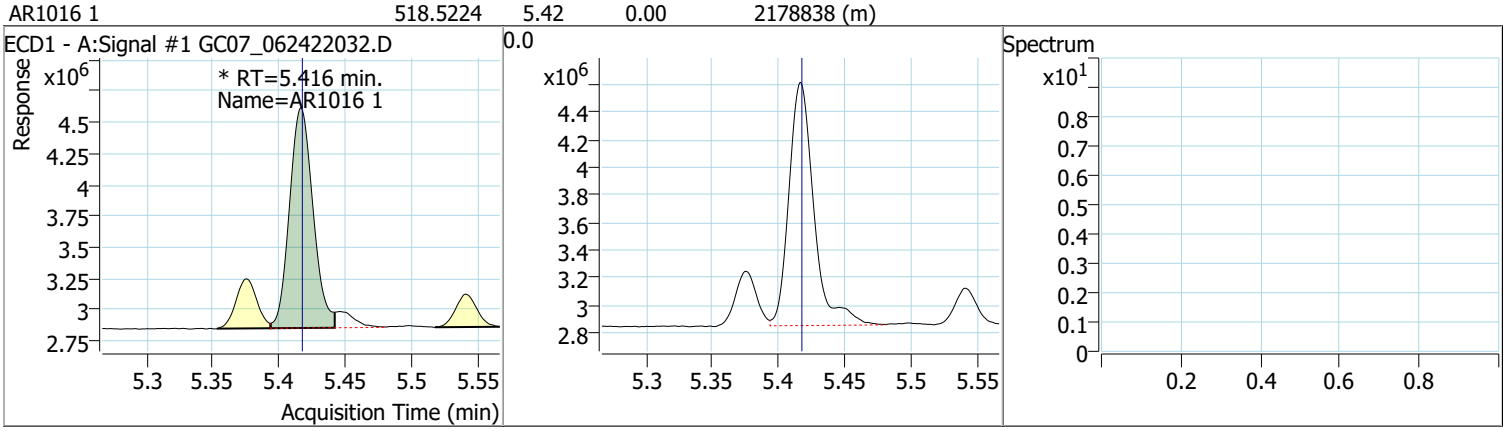
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	31.5467	5.07	0.00	6517004				



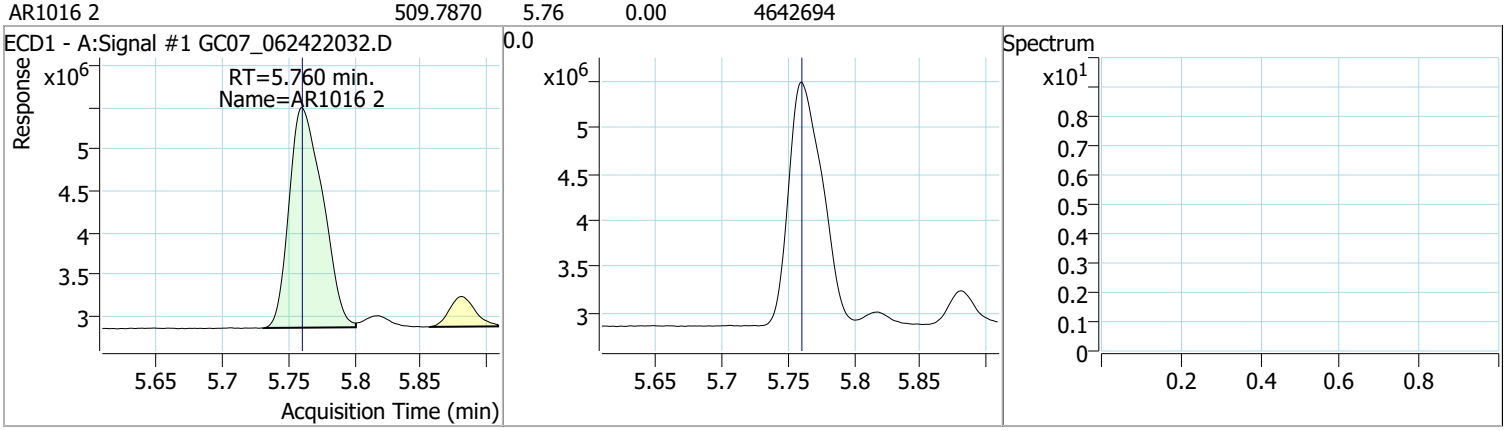
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	32.9142	5.41	0.00	1736280				



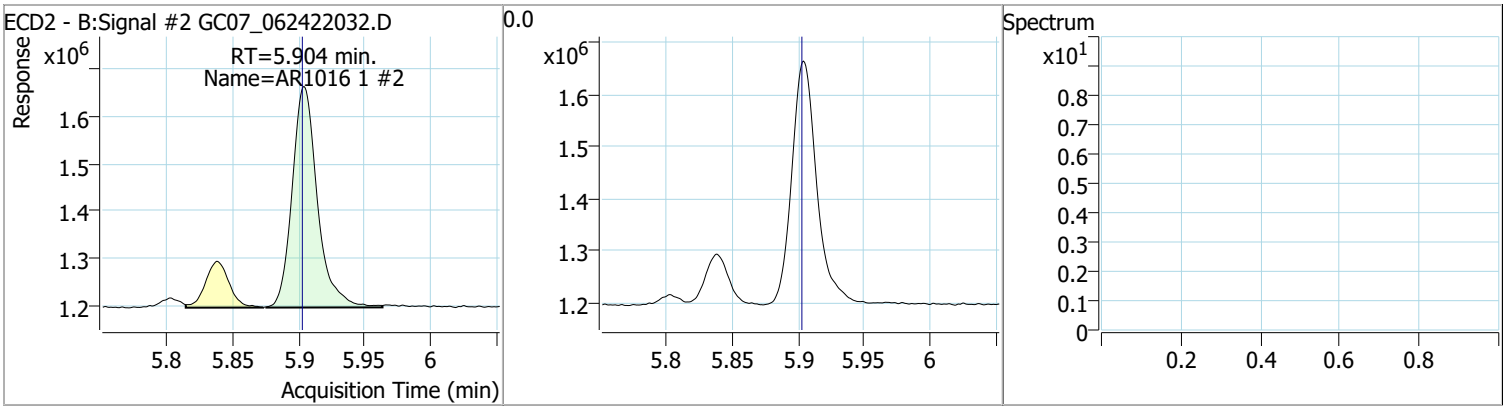
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	518.5224	5.42	0.00	2178838 (m)				



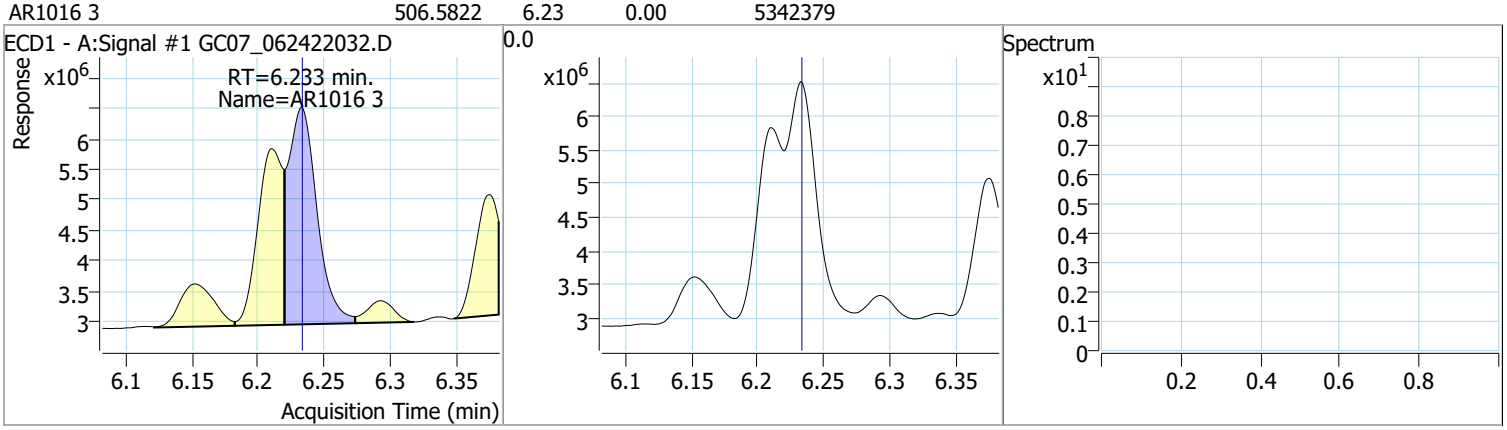
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	509.7870	5.76	0.00	4642694				



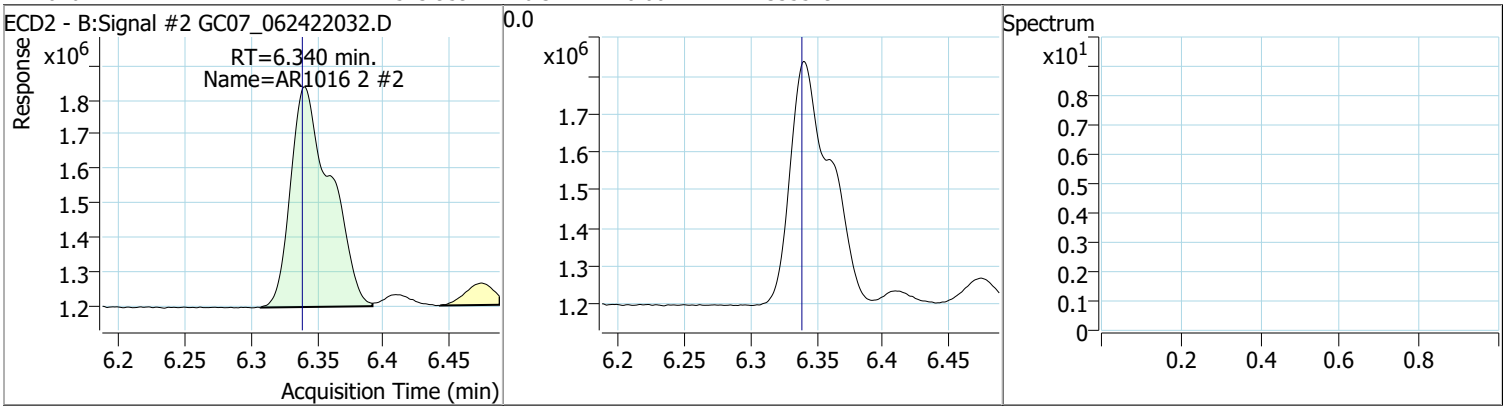
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	530.8730	5.90	0.00	621424				



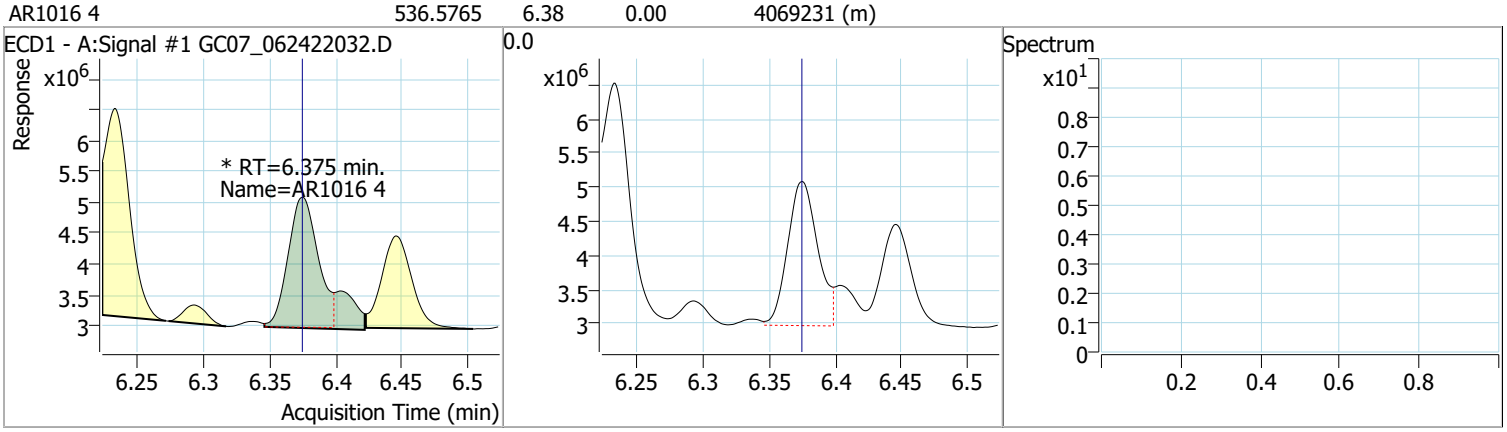
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	506.5822	6.23	0.00	5342379				



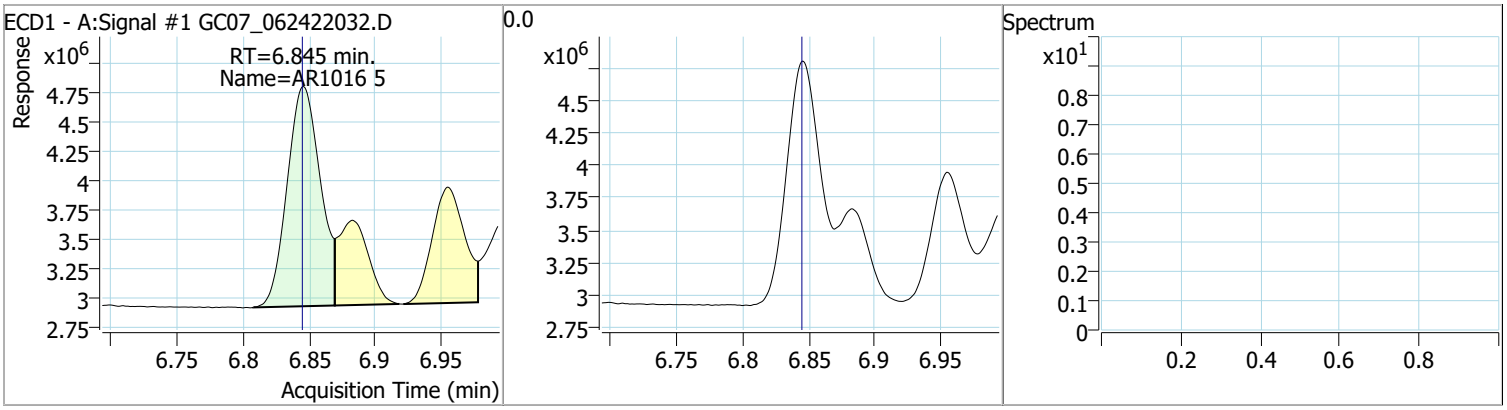
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	523.9591	6.34	0.00	1335549				



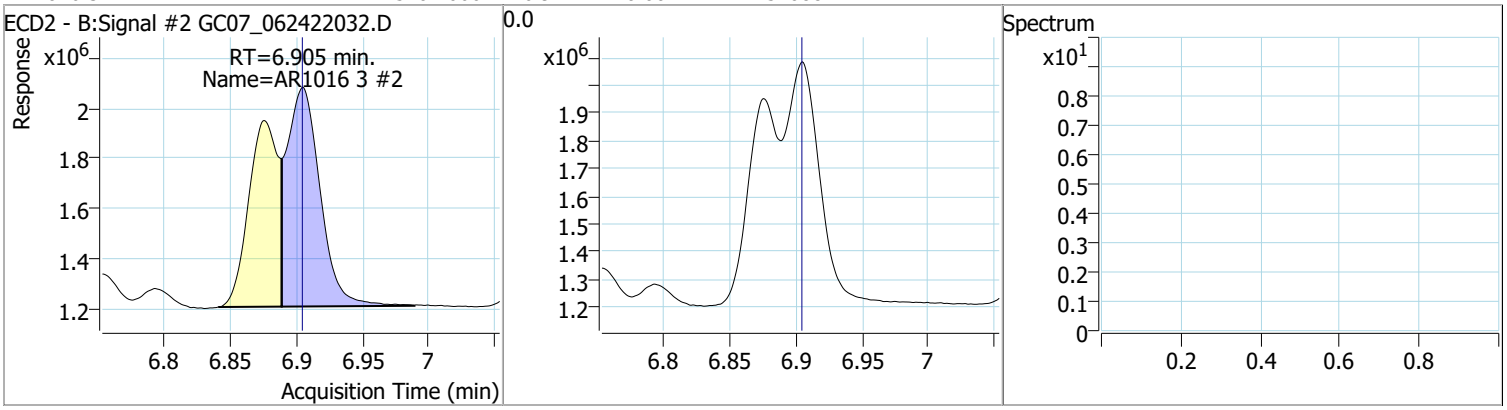
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	536.5765	6.38	0.00	4069231 (m)				



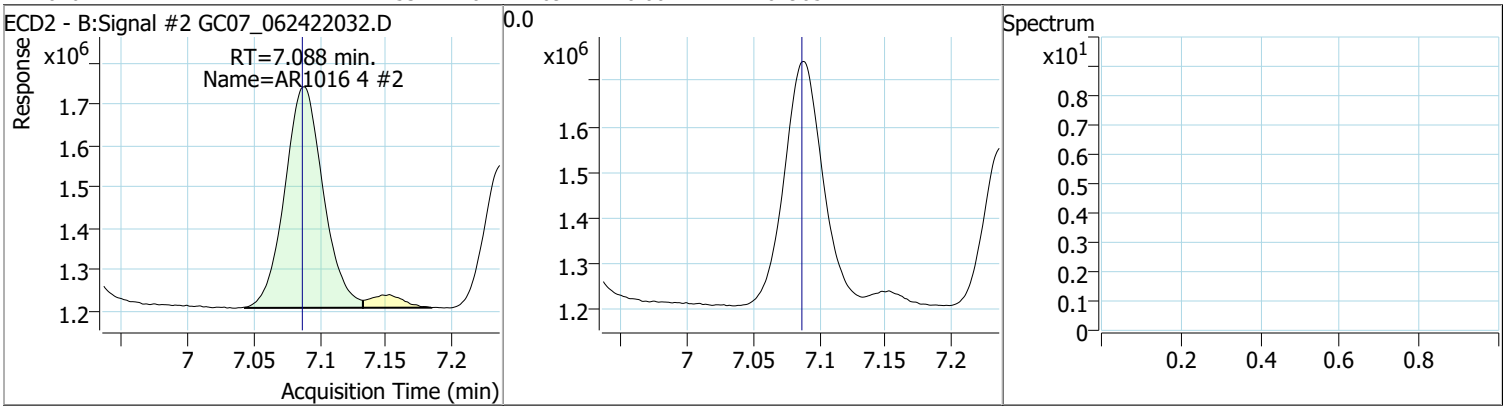
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	517.8017	6.85	0.00	3270931				



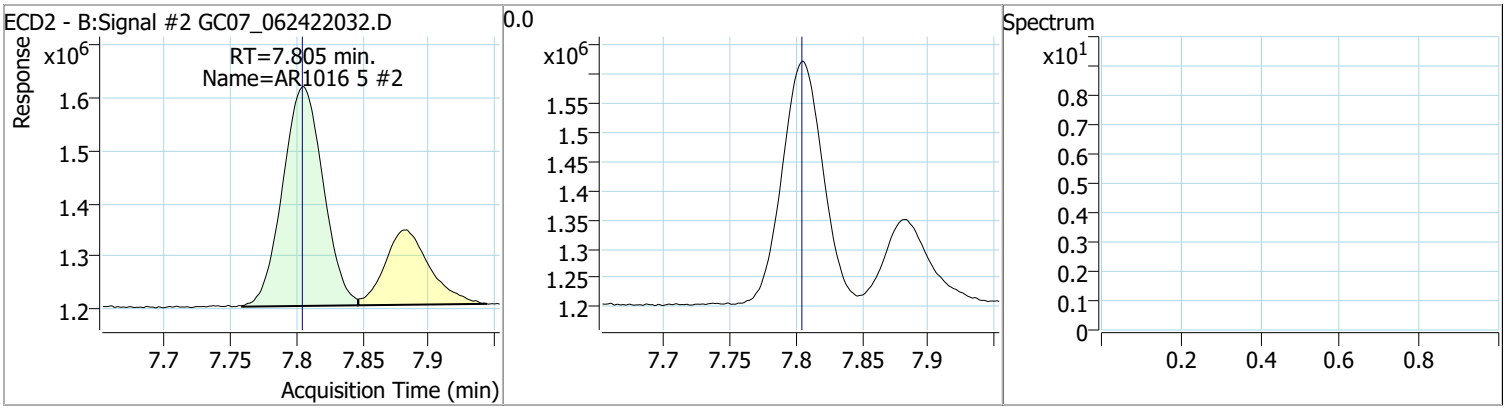
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	520.1666	6.91	0.00	1520881				



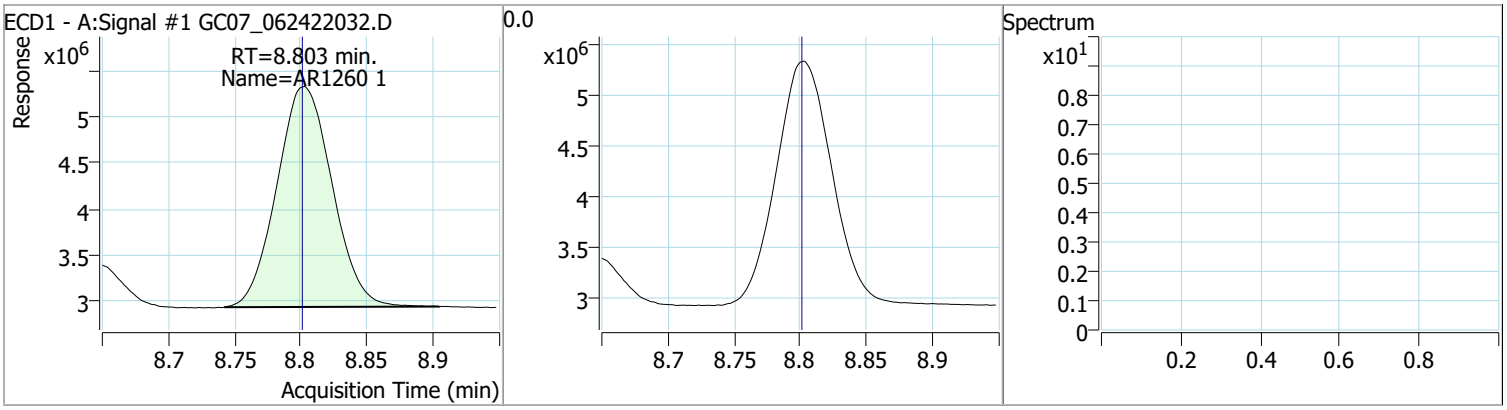
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	531.7470	7.09	0.00	1079057				



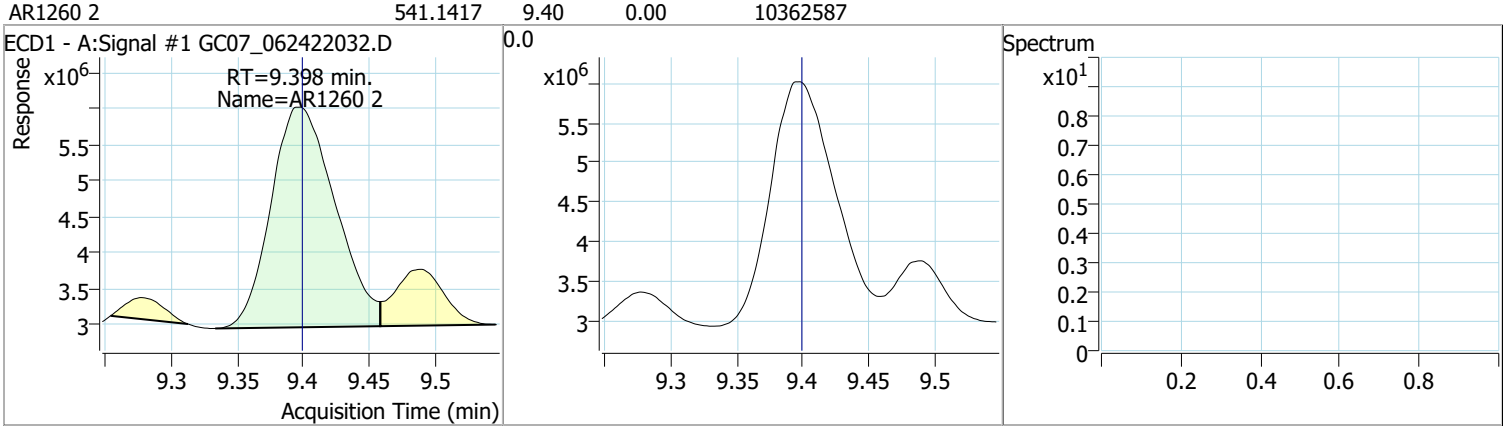
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	521.5449	7.81	0.00	884088				



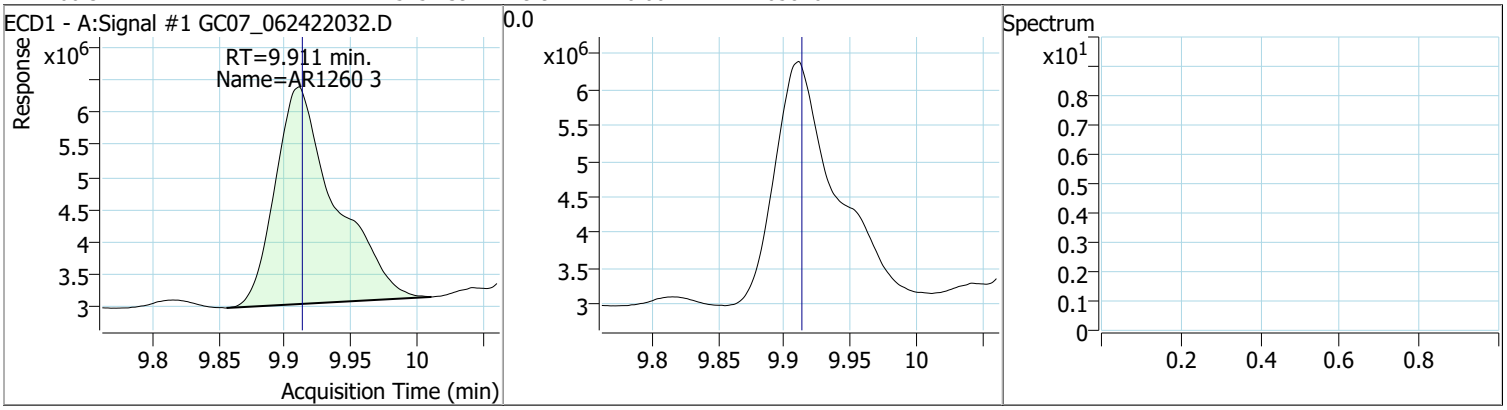
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	525.8207	8.80	0.00	7014371				



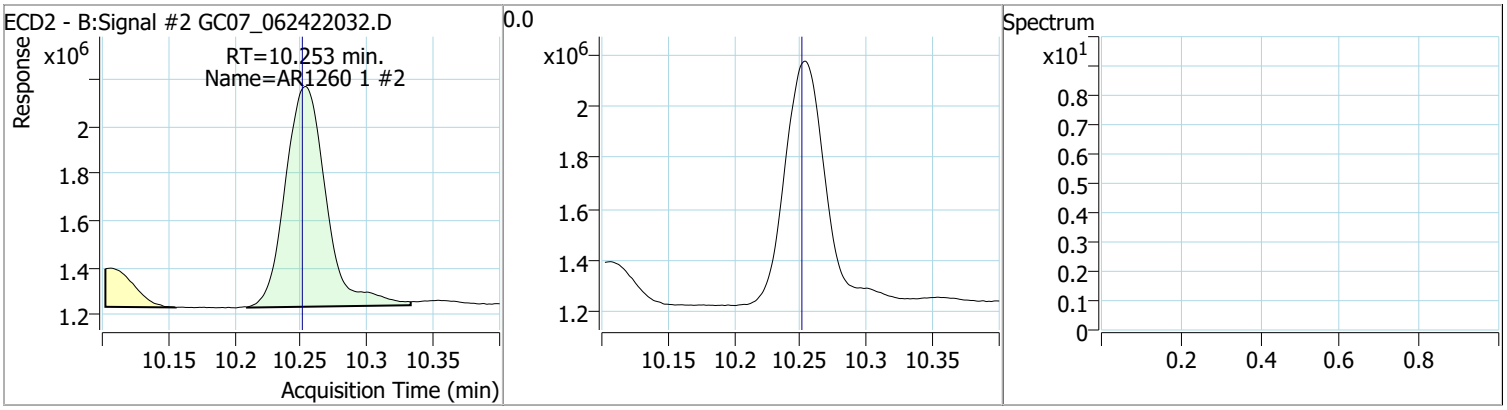
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	541.1417	9.40	0.00	10362587				



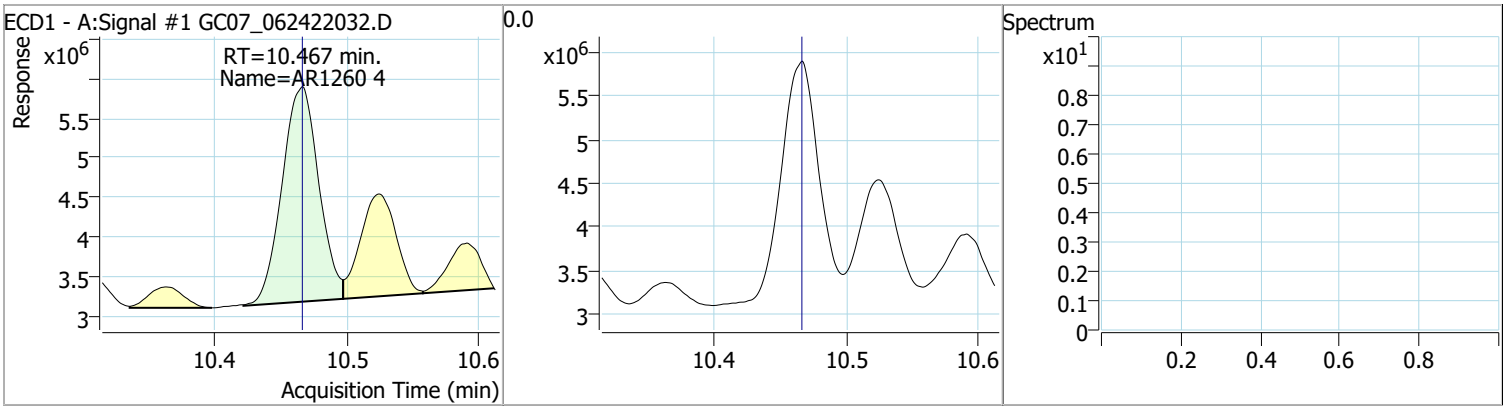
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	545.4391	9.91	0.00	10584612				



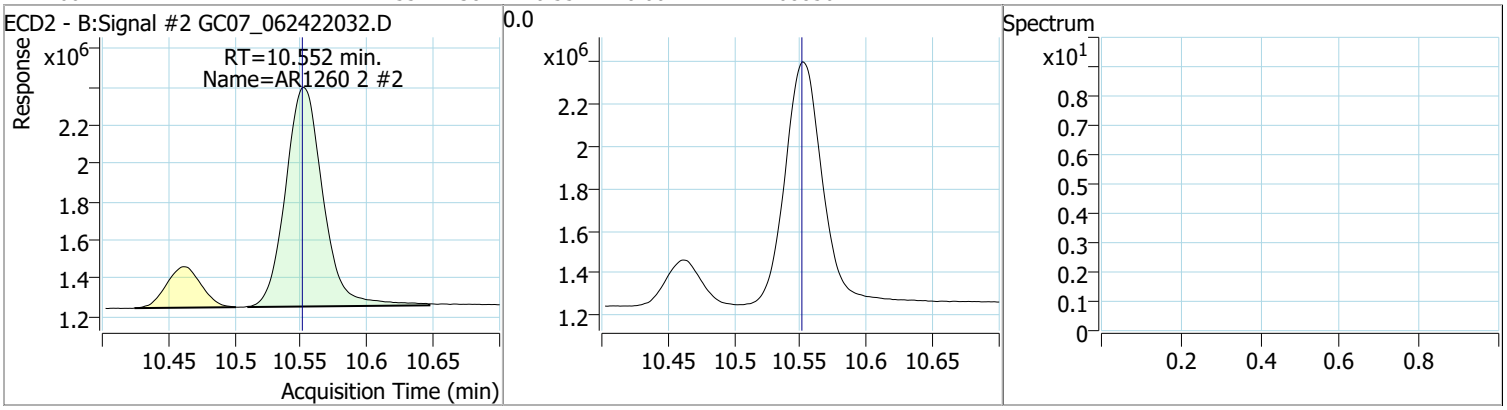
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	551.0518	10.25	0.00	2028570				



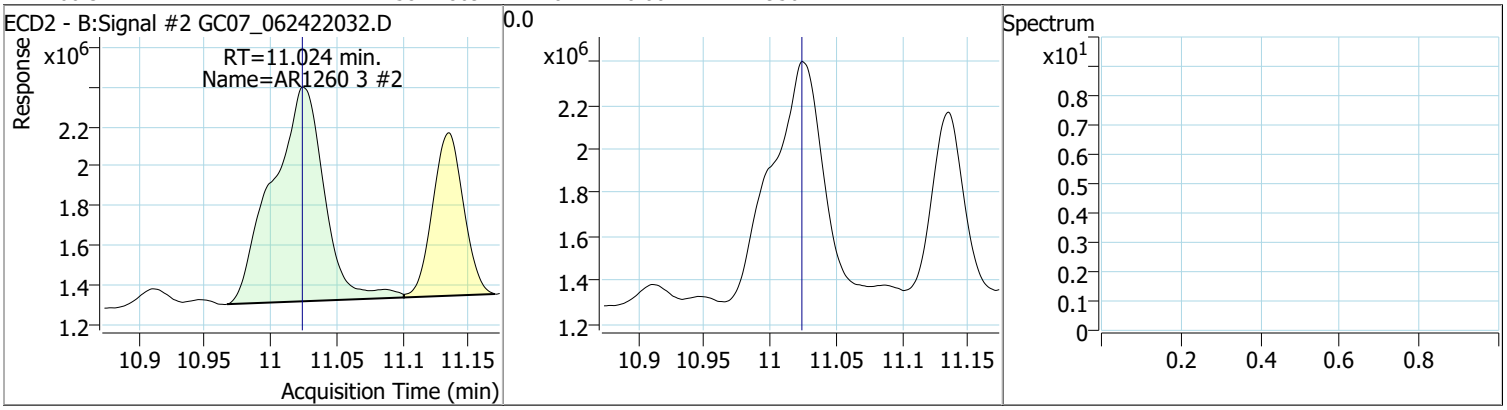
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	533.8558	10.47	0.00	5296031				



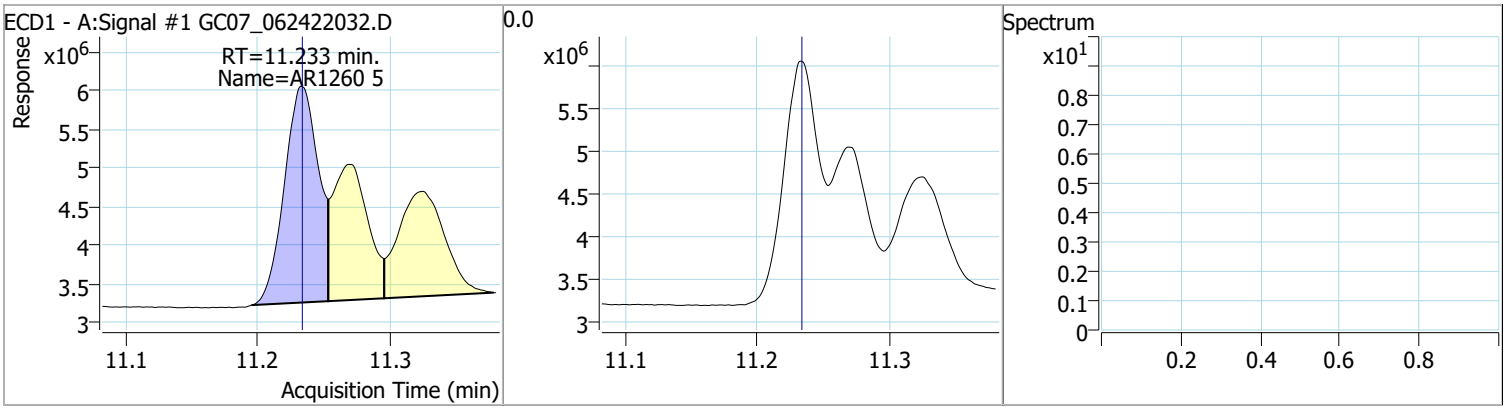
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	554.7438	10.55	0.00	2268856				



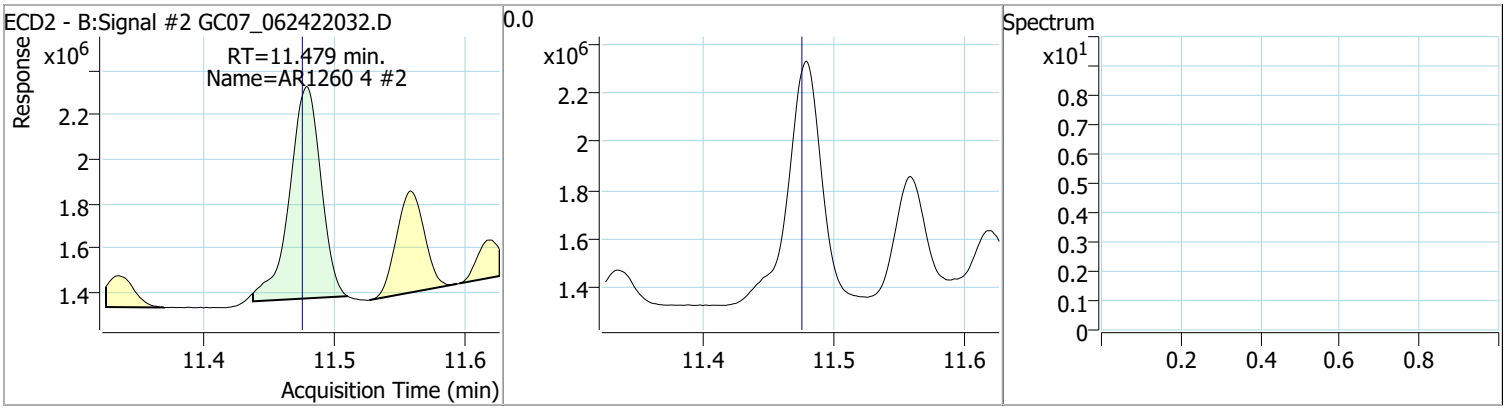
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	587.2809	11.02	0.00	2956424				



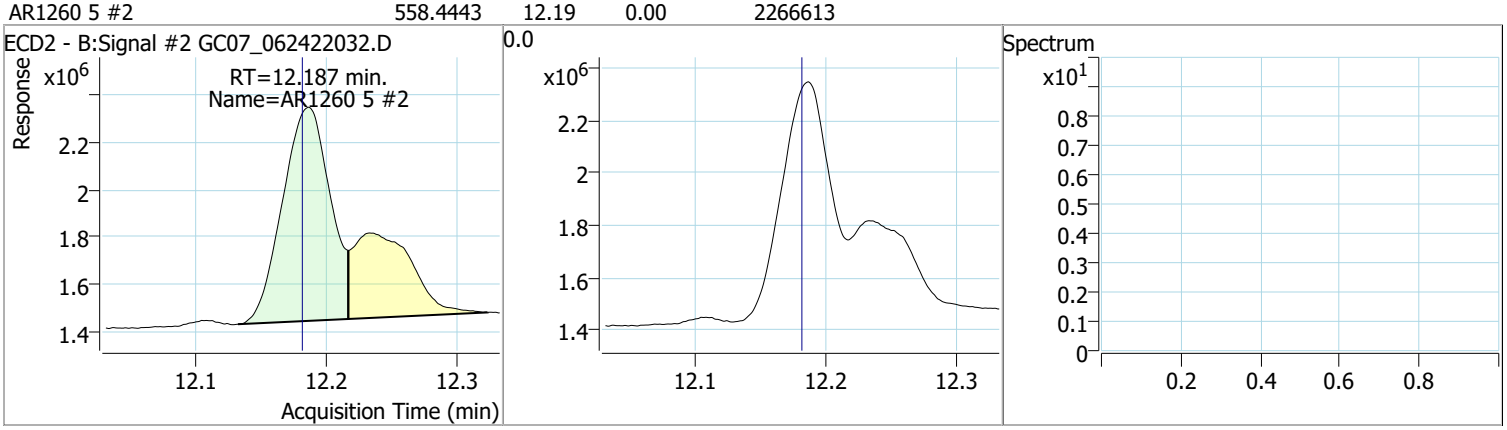
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	550.1250	11.23	0.00	5010404				



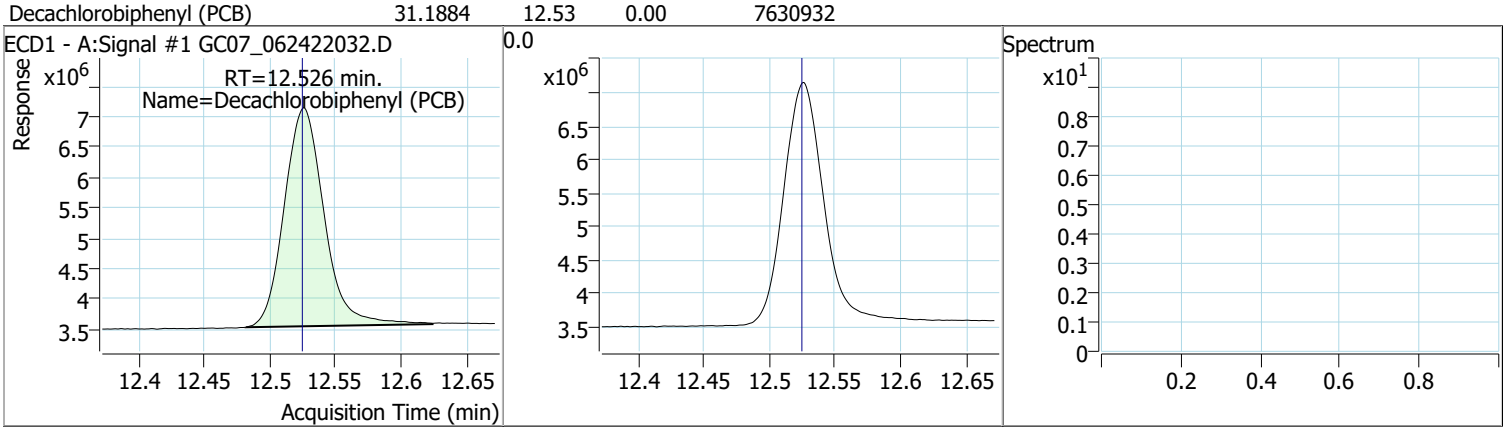
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	562.6206	11.48	0.00	1589082				



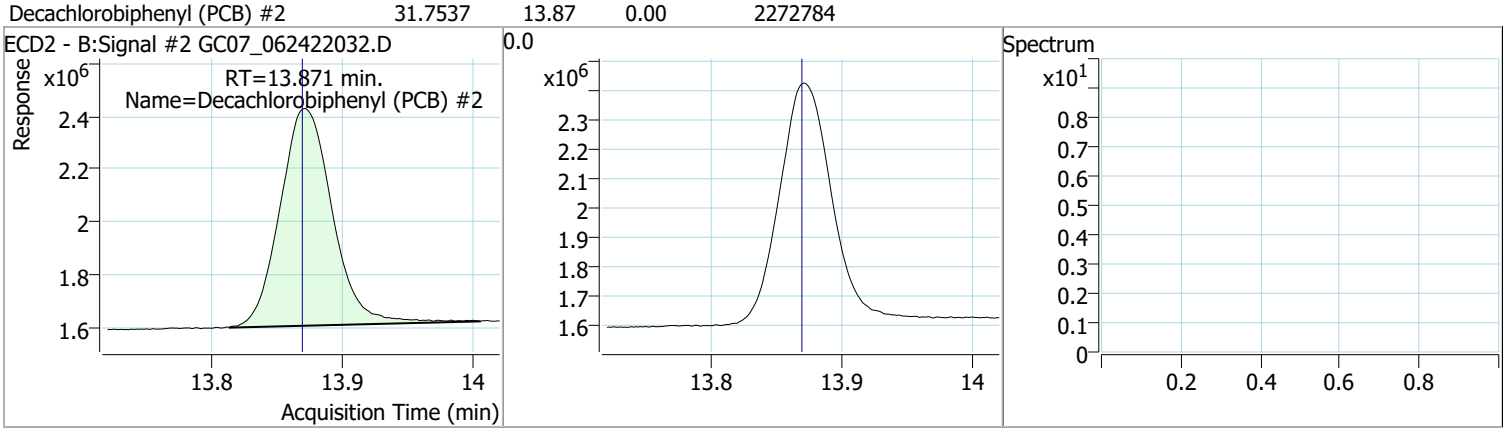
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	558.4443	12.19	0.00	2266613				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	31.1884	12.53	0.00	7630932				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	31.7537	13.87	0.00	2272784				



ENTHALPY INITIAL CALIBRATION FOR 465035 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_070822_1268_1
Calibration #:	462271307001	Date:	07-JUL-2022 15:50
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc07_070722016	462271307016		07-JUL-2022 15:50	S16847

Analyte	Ch	L1 RF	Type	a0	a1	a2	Avg RF	%RSD	Min r^2	Max %RSD	Flags
Aroclor-1268 Peak # 1	A	0.0227	AVRG		44.0027		0.0227	0	.99	20	
Aroclor-1268 Peak # 2	A	0.0289	AVRG		34.5752		0.0289	0	.99	20	
Aroclor-1268 Peak # 3	A	0.1072	AVRG		9.33237		0.1072	0	.99	20	
Aroclor-1268 Peak # 4	A	0.0855	AVRG		11.6952		0.0855	0	.99	20	
Aroclor-1268 Peak # 5	A	0.2799	AVRG		3.57318		0.2799	0	.99	20	
Aroclor-1268 Peak # 1	B	0.0229	AVRG		43.7590		0.0229	0	.99	20	
Aroclor-1268 Peak # 2	B	0.0298	AVRG		33.5258		0.0298	0	.99	20	
Aroclor-1268 Peak # 3	B	0.1150	AVRG		8.69760		0.1150	0	.99	20	
Aroclor-1268 Peak # 4	B	0.0944	AVRG		10.5968		0.0944	0	.99	20	
Aroclor-1268 Peak # 5	B	0.3097	AVRG		3.22864		0.3097	0	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

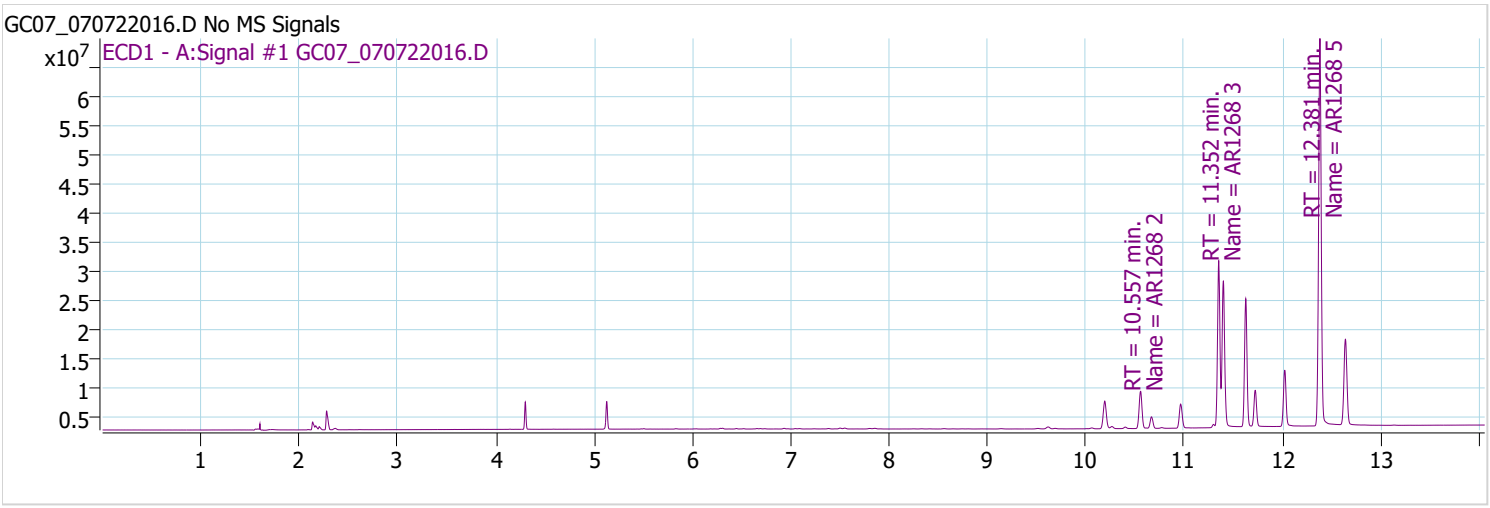
Spiked Amounts / Drifts	Ch	L1	%D
Aroclor-1268 Peak # 1	A	2000.0	0
Aroclor-1268 Peak # 2	A	2000.0	0
Aroclor-1268 Peak # 3	A	2000.0	0
Aroclor-1268 Peak # 4	A	2000.0	0
Aroclor-1268 Peak # 5	A	2000.0	0
Aroclor-1268 Peak # 1	B	2000.0	0
Aroclor-1268 Peak # 2	B	2000.0	0
Aroclor-1268 Peak # 3	B	2000.0	0
Aroclor-1268 Peak # 4	B	2000.0	0
Aroclor-1268 Peak # 5	B	2000.0	0

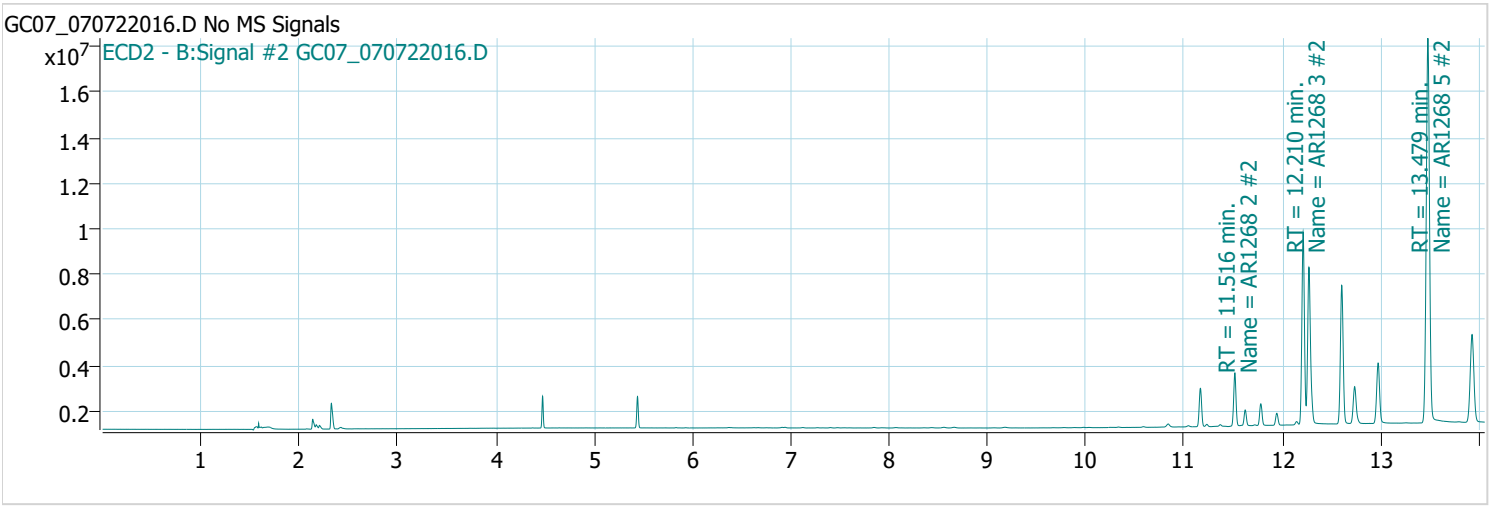
Analyst: TRN 07/09/22

Reviewer: LW 07/11/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_070722016.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/7/2022 3:50:00 PM
Sample Name	ICAL, S16847	Instrument	SVOA-GC07
Vial	150	Multiplier	1.00
DA Method File	PCB_AR1268_070822_GC07_1.m	Comment	AR1268 2000 PPB
Tune File	ATUNE.U	Tune Date	
Batch Name	070822AR1268.batch.bin	Last Calib Update	7/8/2022 7:16:21 PM
Ref Library			



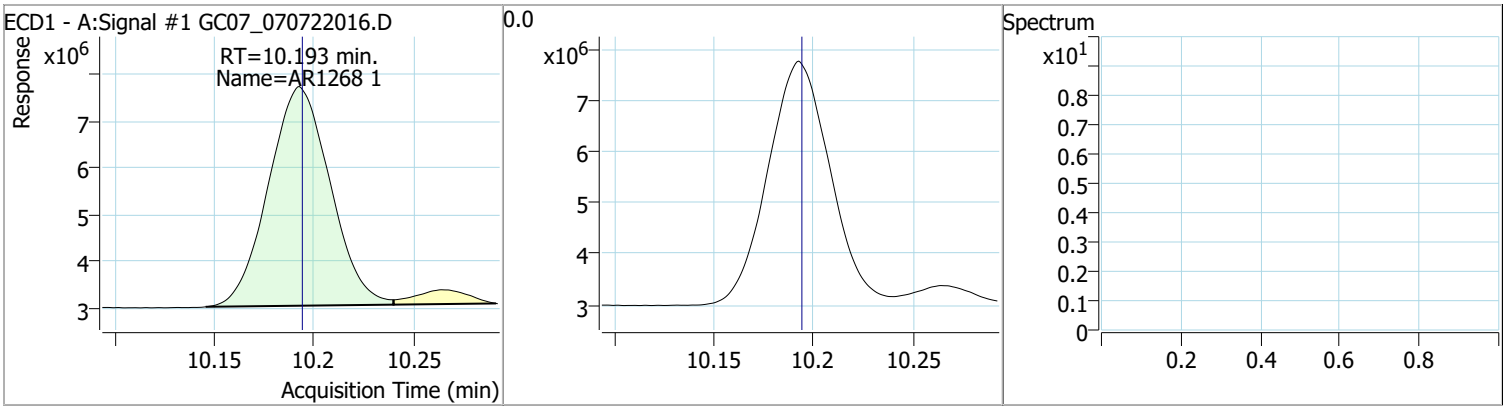


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (1268)	4.299	0.0	4484014.398	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (1268) #2	4.475	0.0	1258224.692	20.0000	ng/ml	0.000
System Monitoring Compounds						
Target Compounds						QValue
T AR1268 1	10.193	0.0	10190308.532	2000.0000	ng/ml	100
T AR1268 2	10.557	0.0	12968886.799	2000.0000	ng/ml	100
T Aroclor-1268	11.222	0.0	47007713.896	2000.0000	ng/ml	
T AR1268 1 #2	11.165	0.0	2875351.135	2000.0000	ng/ml	100
T AR1268 3	11.352	0.0	48047946.719	2000.0000	ng/ml	100
T AR1268 2 #2	11.516	0.0	3753000.456	2000.0000	ng/ml	100

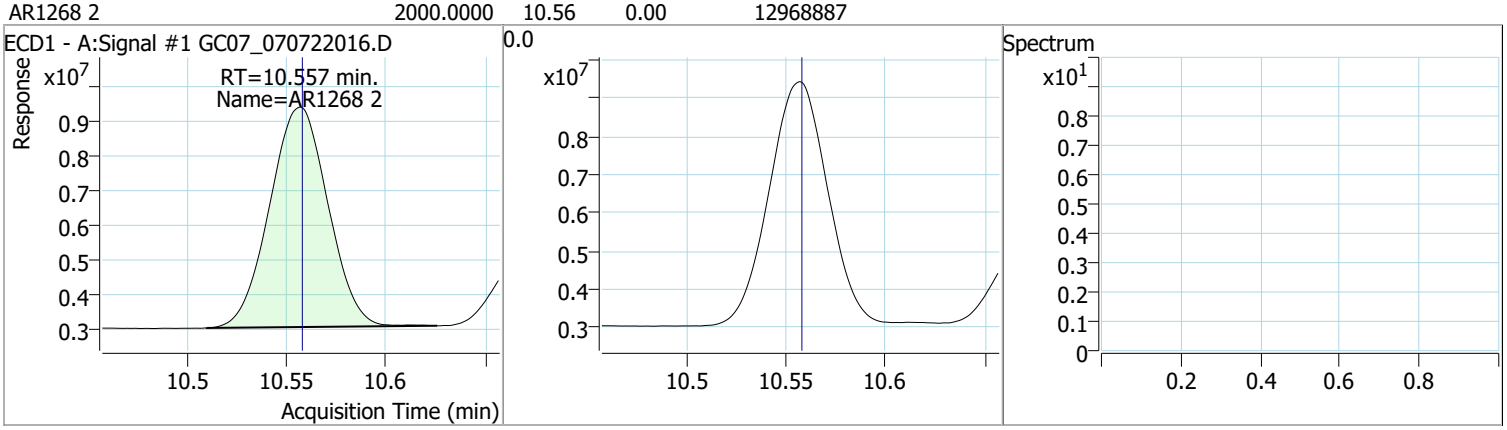
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1268 4	11.627	0.0	38340542.094	2000.0000	ng/ml	100
T AR1268 3 #2	12.210	0.0	14466345.922	2000.0000	ng/ml	100
T AR1268 5	12.381	0.0	125490885.335	2000.0000	ng/ml	100
T Aroclor-1268 #2	12.195	0.0	14387805.341	2000.0000	ng/ml	
T AR1268 4 #2	12.603	0.0	11873626.819	2000.0000	ng/ml	100
T AR1268 5 #2	13.479	0.0	38970702.374	2000.0000	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

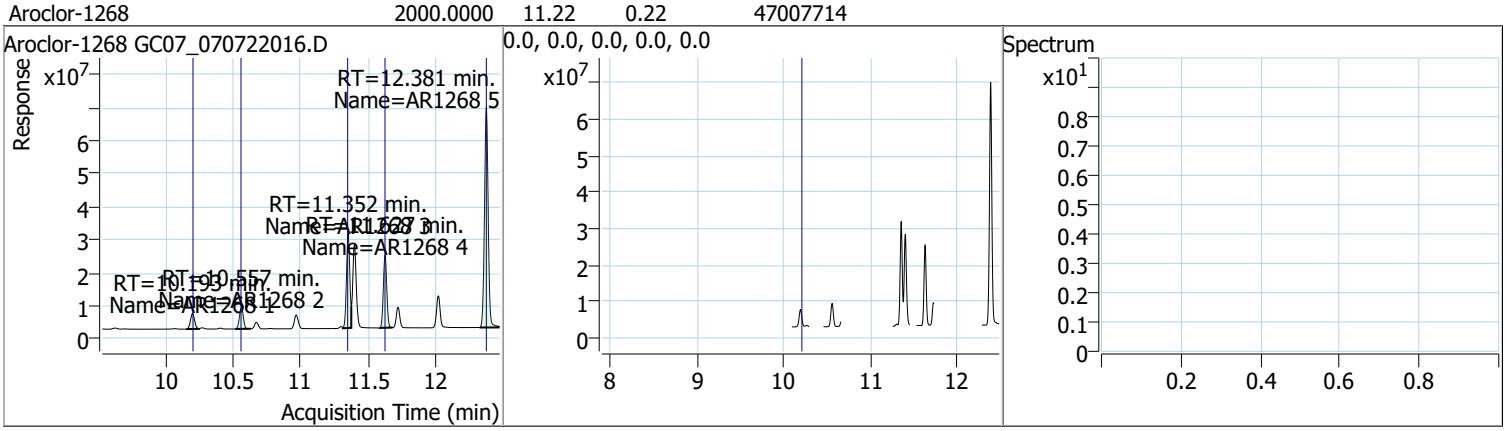
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1	2000.0000	10.19	0.00	10190309				



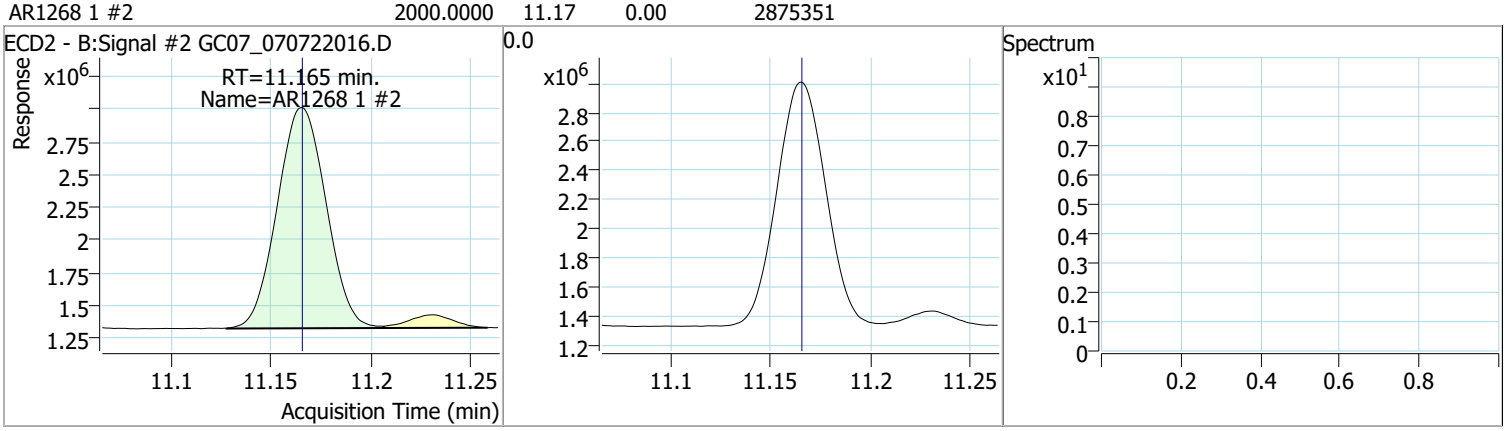
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2	2000.0000	10.56	0.00	12968887				



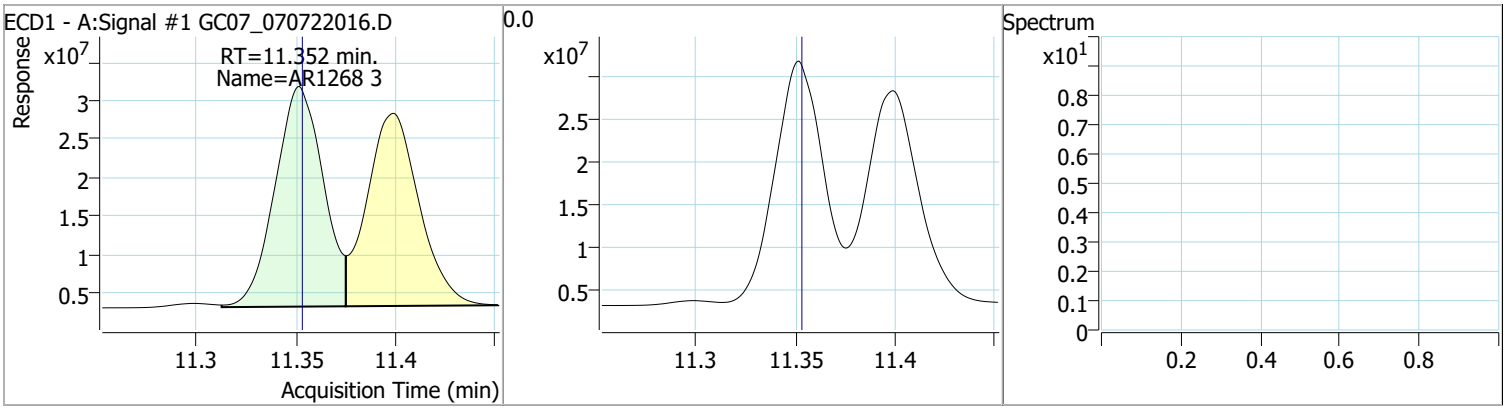
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268	2000.0000	11.22	0.22	47007714				



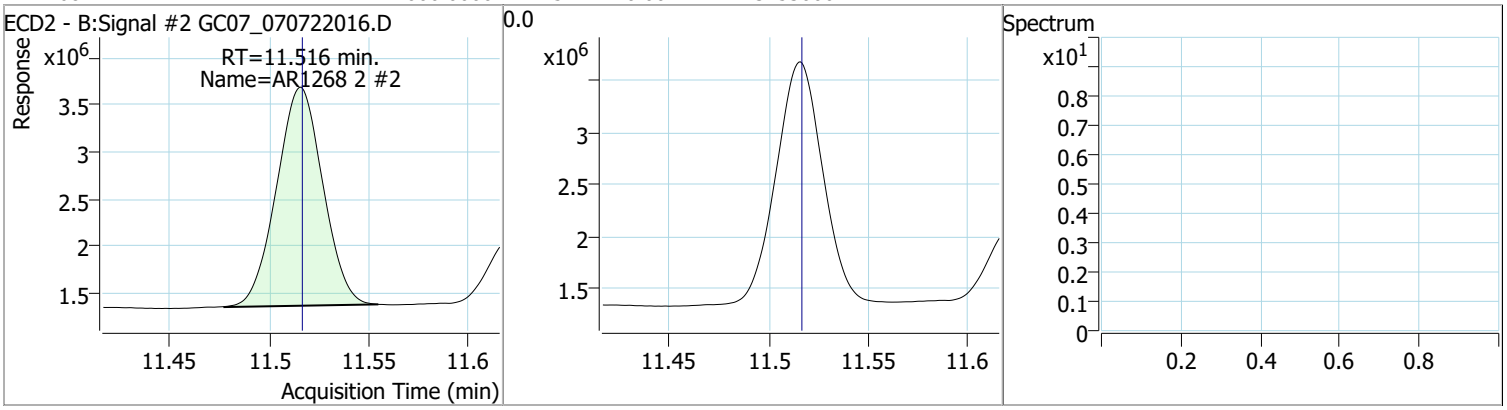
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1 #2	2000.0000	11.17	0.00	2875351				



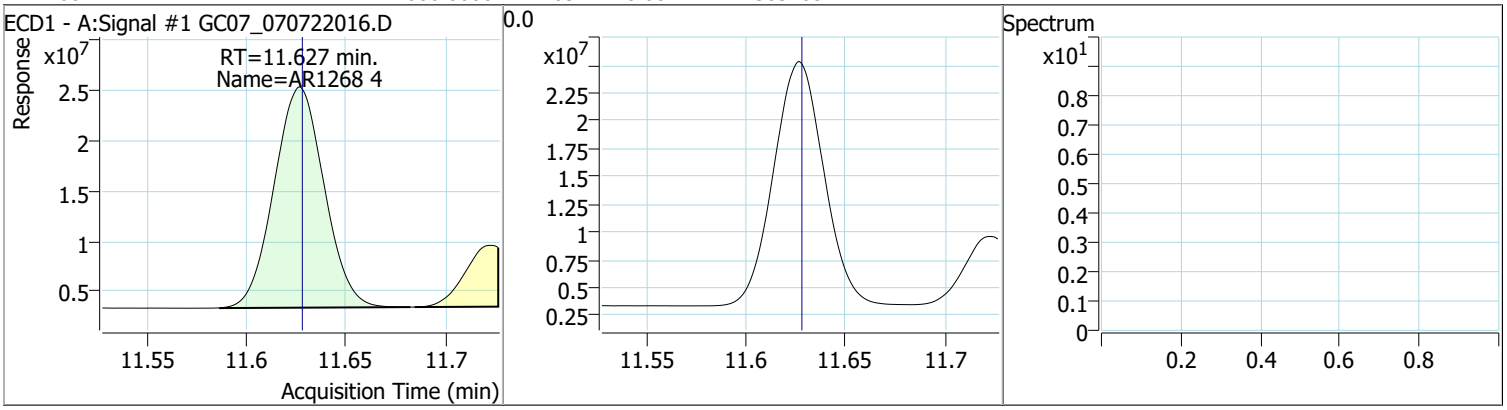
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3	2000.0000	11.35	0.00	48047947				



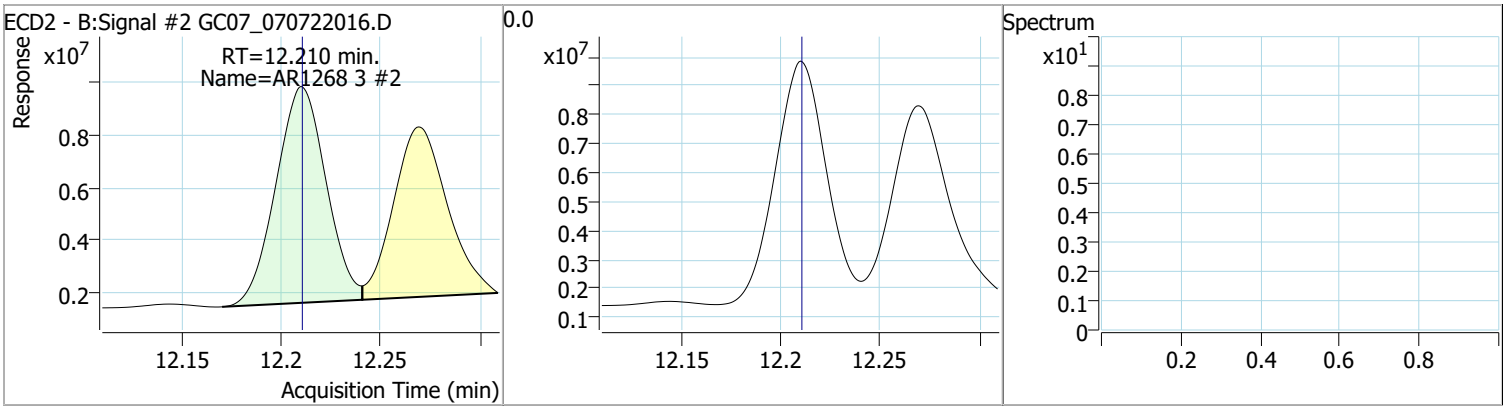
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2 #2	2000.0000	11.52	0.00	3753000				



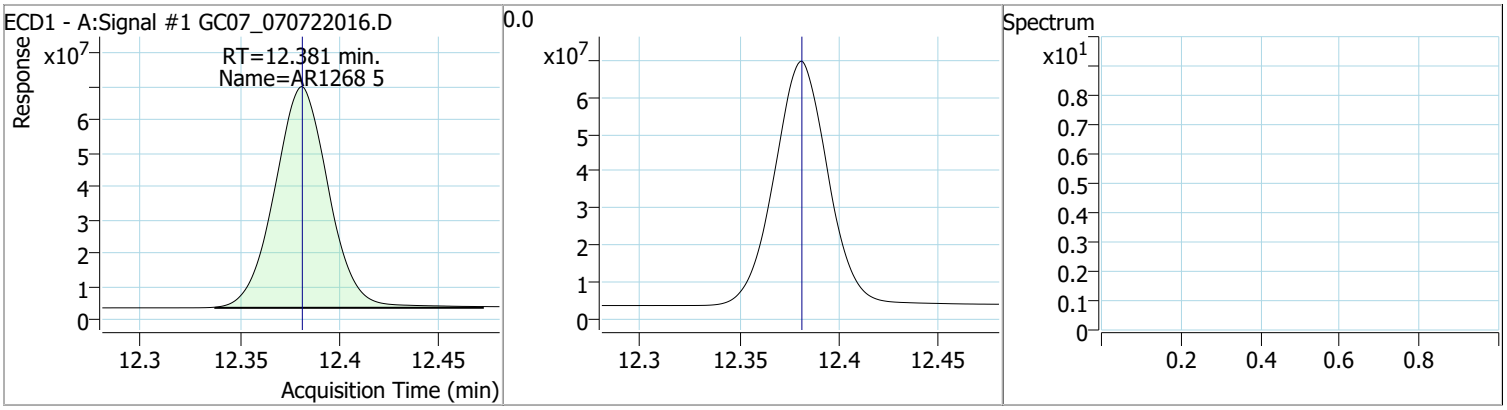
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4	2000.0000	11.63	0.00	38340542				



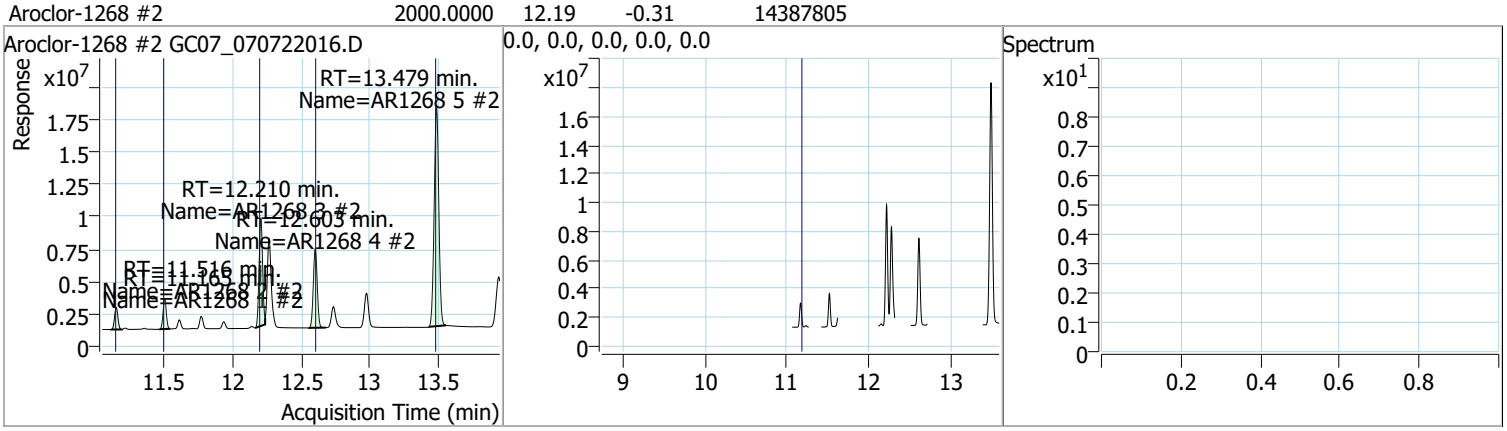
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3 #2	2000.0000	12.21	0.00	14466346				



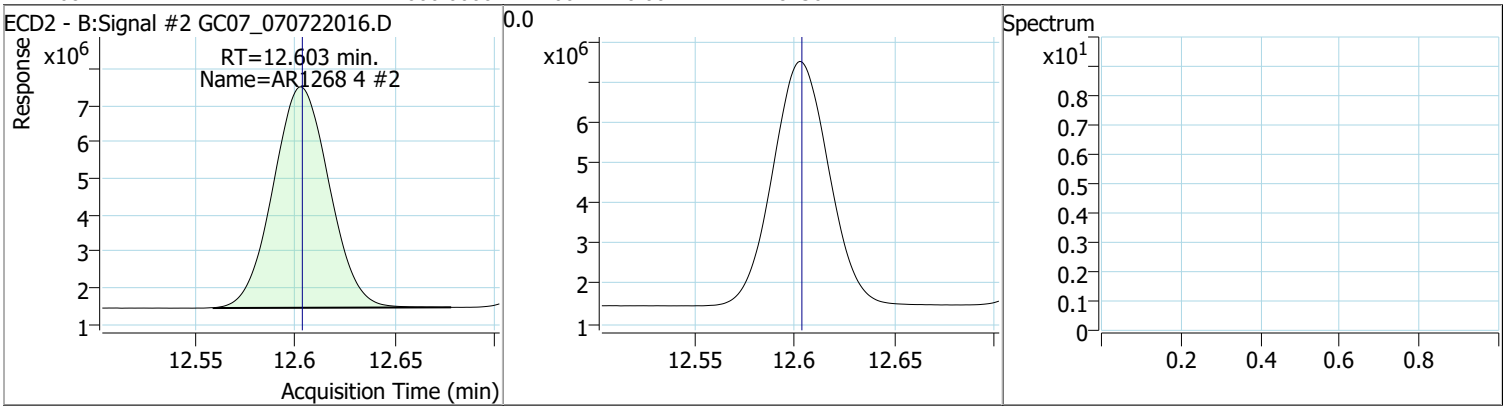
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5	2000.0000	12.38	0.00	125490885				



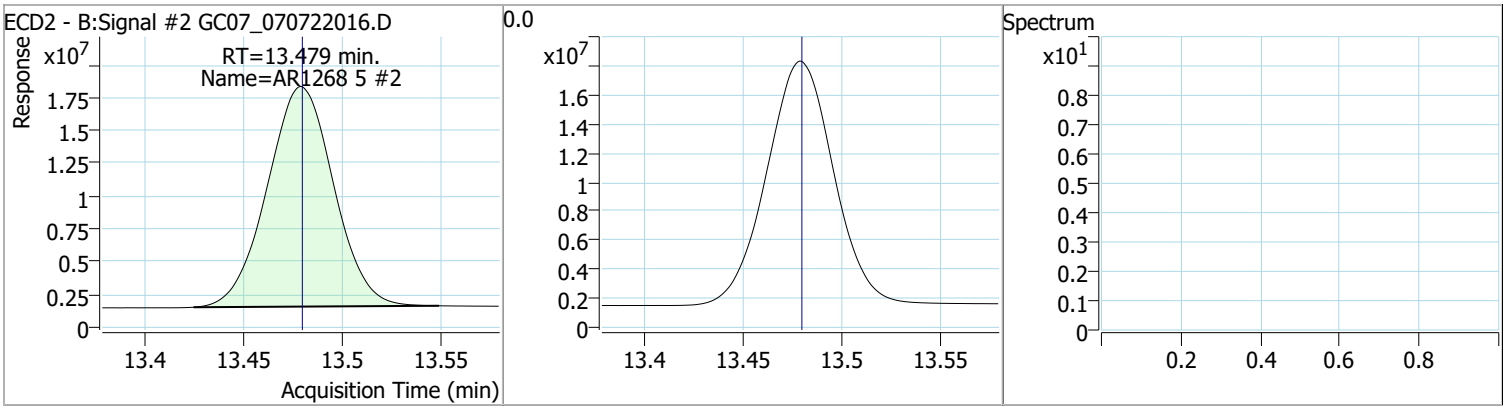
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268 #2	2000.0000	12.19	-0.31	14387805				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4 #2	2000.0000	12.60	0.00	11873627				

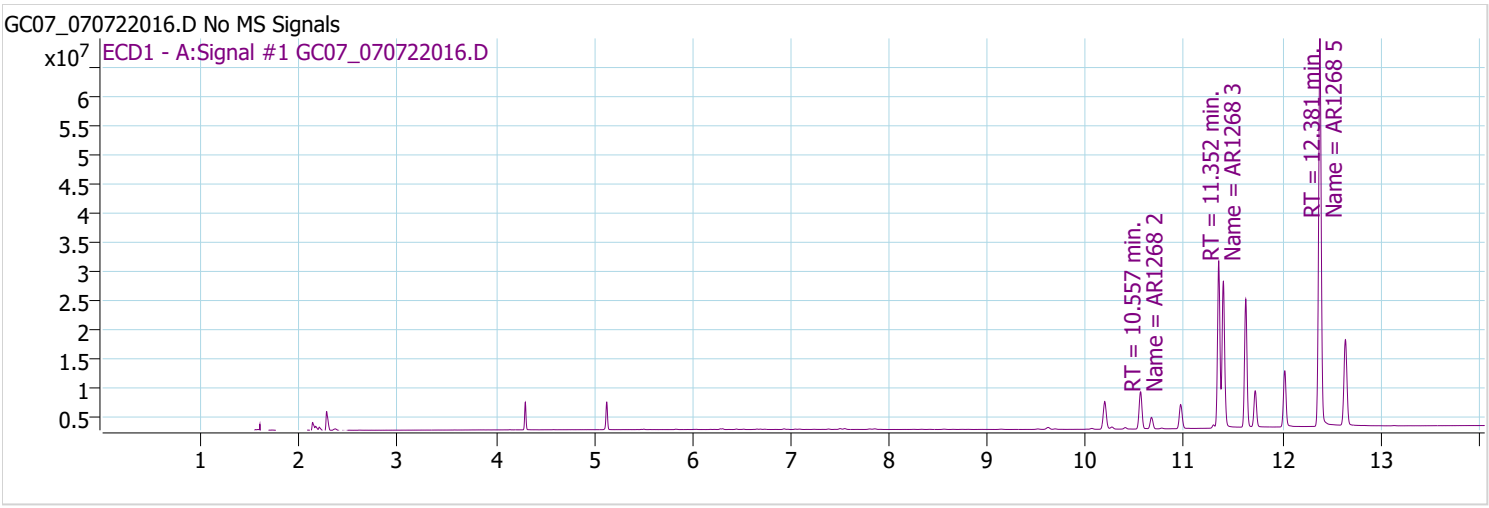


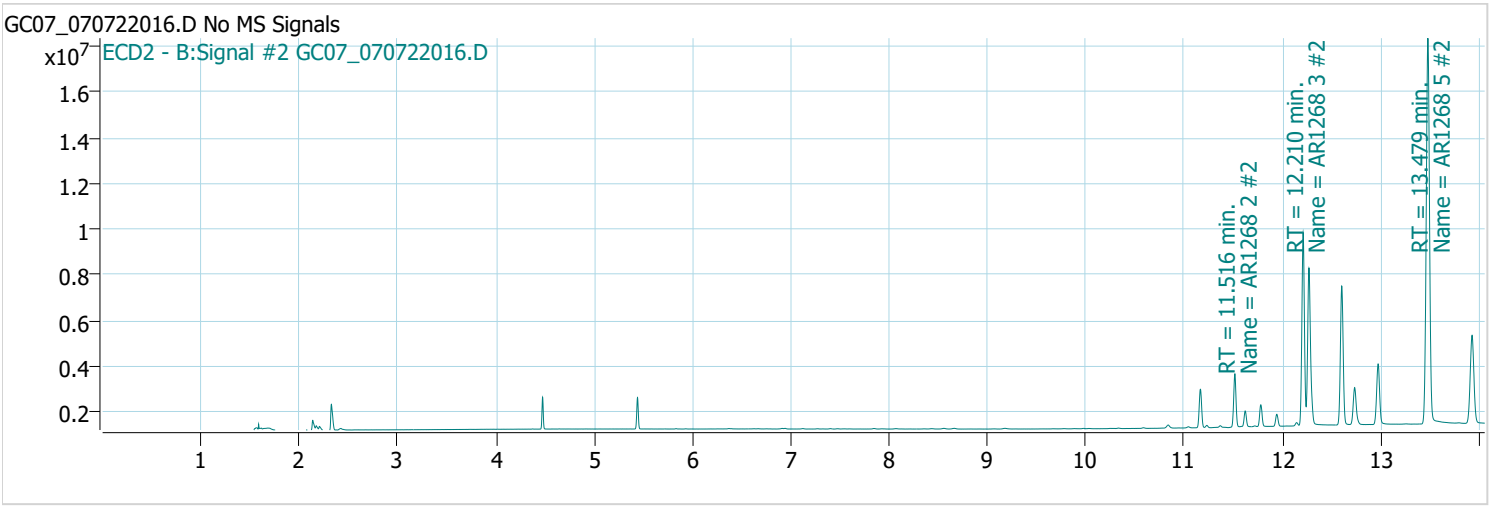
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5 #2	2000.0000	13.48	0.00	38970702				



Quantitation Results Report (Not Reviewed)

Data File	GC07_070722016.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/7/2022 3:50:00 PM
Sample Name	ICAL, S16847	Instrument	SVOA-GC07
Vial	150	Multiplier	1.00
DA Method File		Comment	AR1268 2000 PPB
Tune File	ATUNE.U	Tune Date	
Batch Name	070822AR1268.batch.bin	Last Calib Update	7/8/2022 6:49:36 PM
Ref Library			



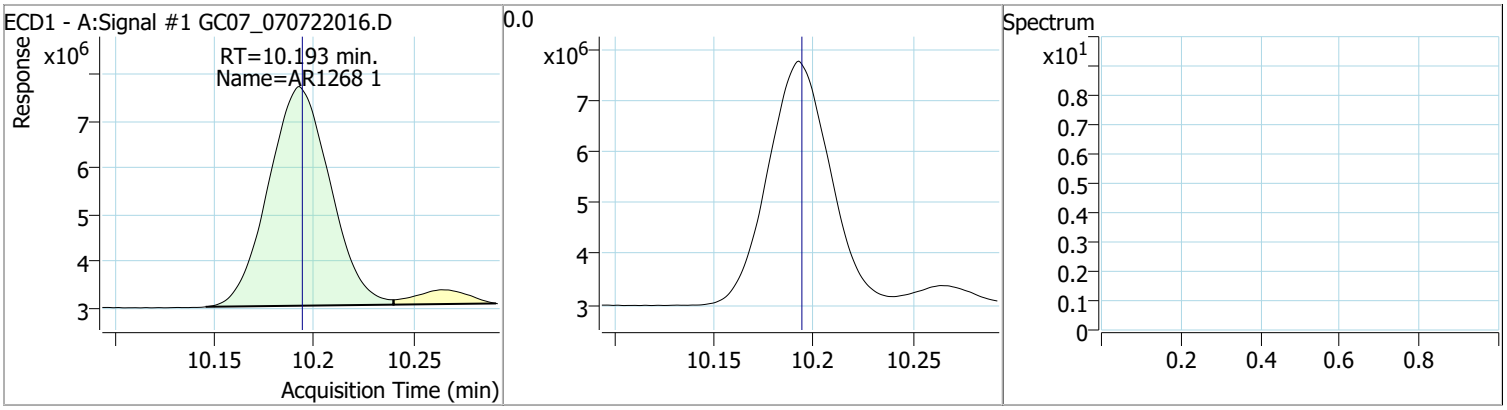


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (1268)	4.299	0.0	4484014.398	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (1268) #2	4.475	0.0	1258224.692	20.0000	ng/ml	0.000
System Monitoring Compounds						
Target Compounds						QValue
T AR1268 1	10.193	0.0	10190308.532	2000.0000	ng/ml	100
T AR1268 2	10.557	0.0	12968886.799	2000.0000	ng/ml	100
T Aroclor-1268	11.222	0.0	47007713.896	2000.0000	ng/ml	
T AR1268 1 #2	11.165	0.0	2875351.135	2000.0000	ng/ml	100
T AR1268 3	11.352	0.0	48047946.719	2000.0000	ng/ml	100
T AR1268 2 #2	11.516	0.0	3753000.456	2000.0000	ng/ml	100

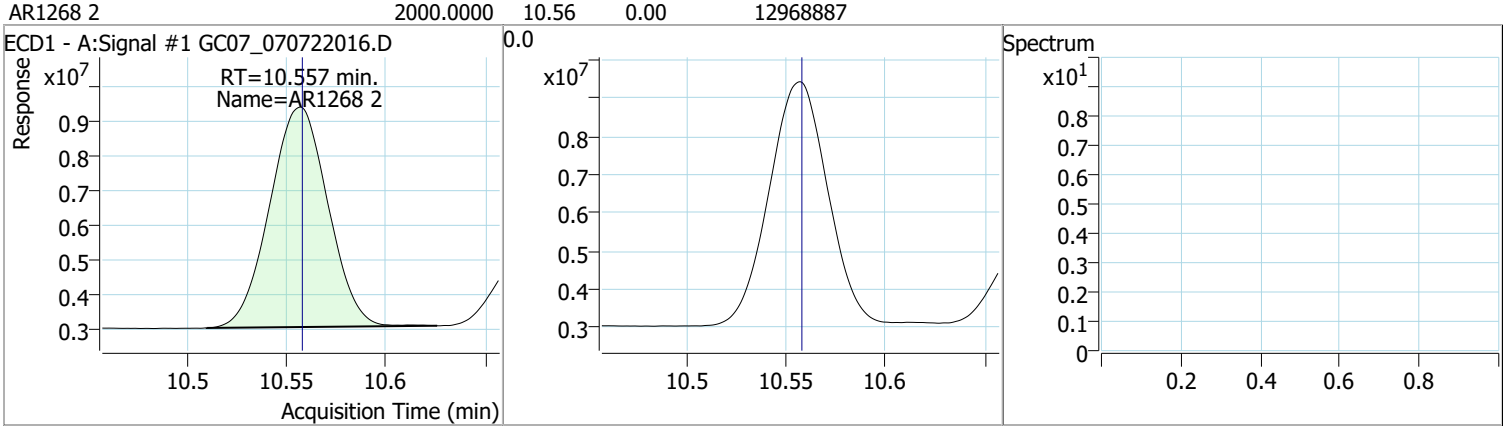
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1268 4	11.627	0.0	38340542.094	2000.0000	ng/ml	100
T AR1268 3 #2	12.210	0.0	14466345.922	2000.0000	ng/ml	100
T AR1268 5	12.381	0.0	125490885.335	2000.0000	ng/ml	100
T Aroclor-1268 #2	12.195	0.0	14387805.341	2000.0000	ng/ml	
T AR1268 4 #2	12.603	0.0	11873626.819	2000.0000	ng/ml	100
T AR1268 5 #2	13.479	0.0	38970702.374	2000.0000	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

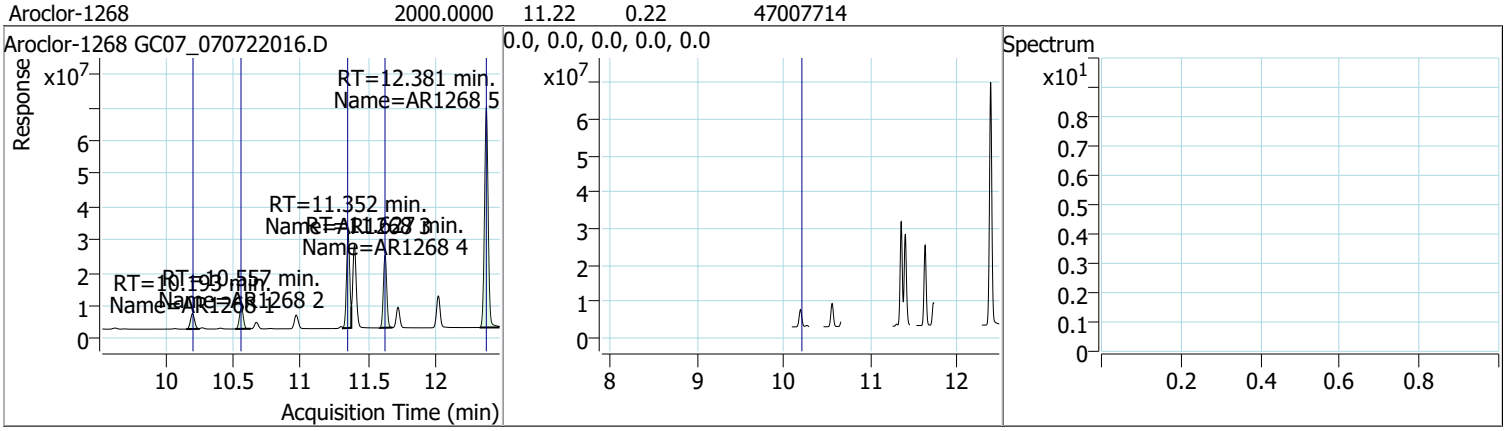
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1	2000.0000	10.19	0.00	10190309				



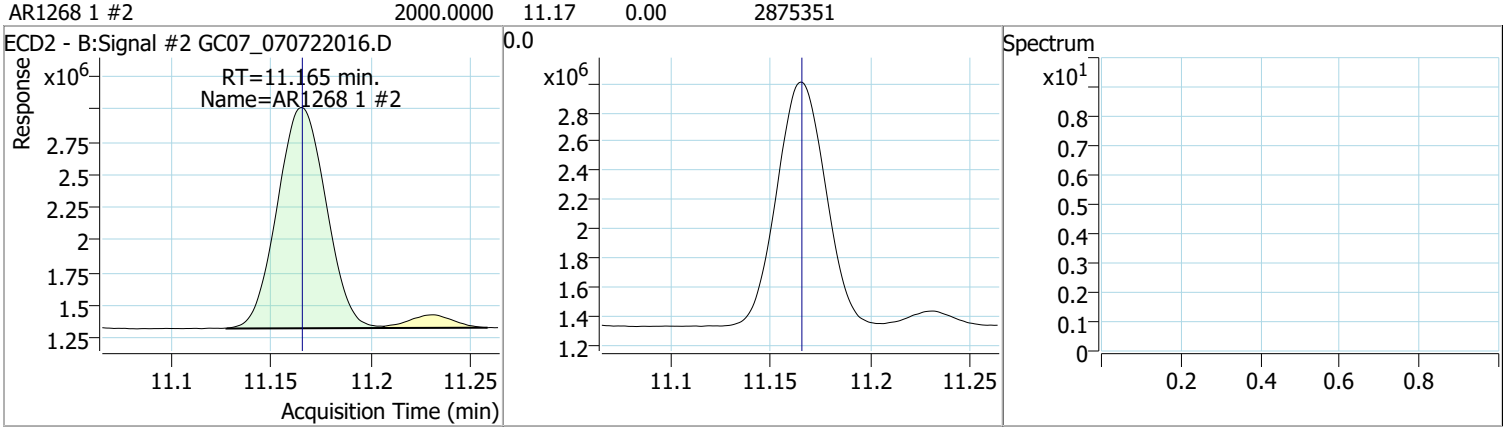
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2	2000.0000	10.56	0.00	12968887				



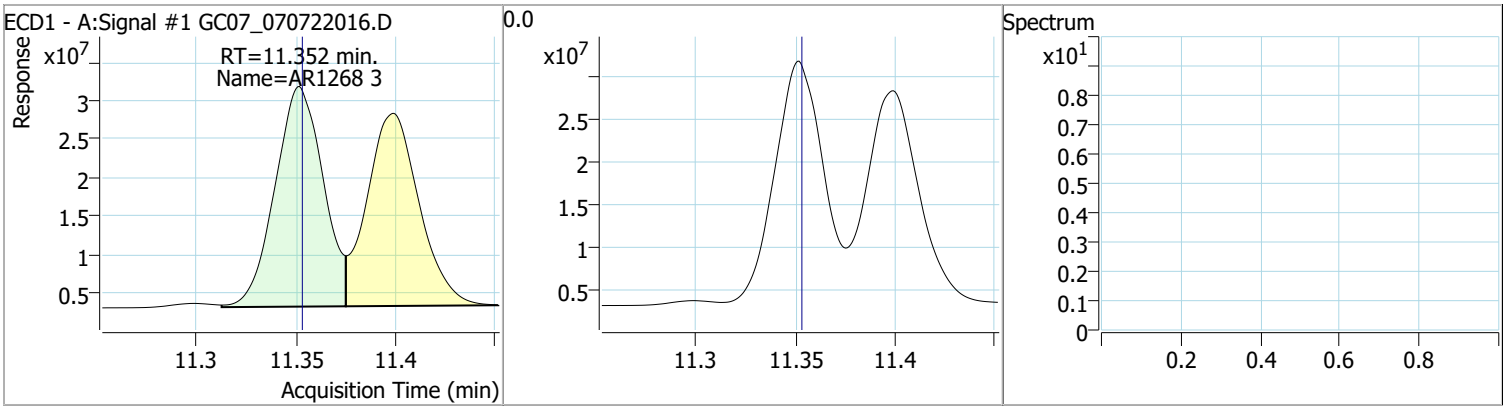
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268	2000.0000	11.22	0.22	47007714				



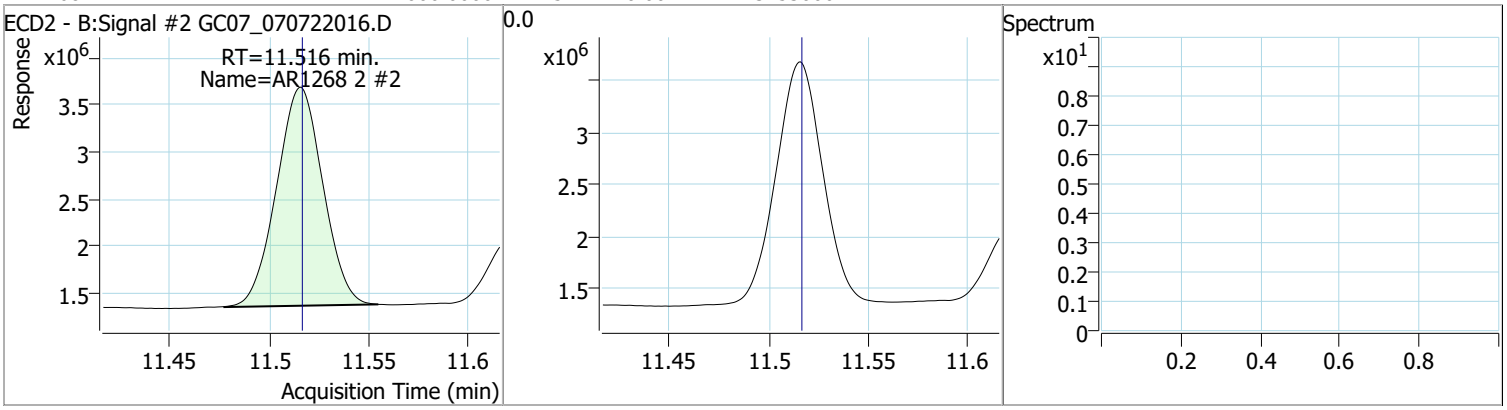
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1 #2	2000.0000	11.17	0.00	2875351				



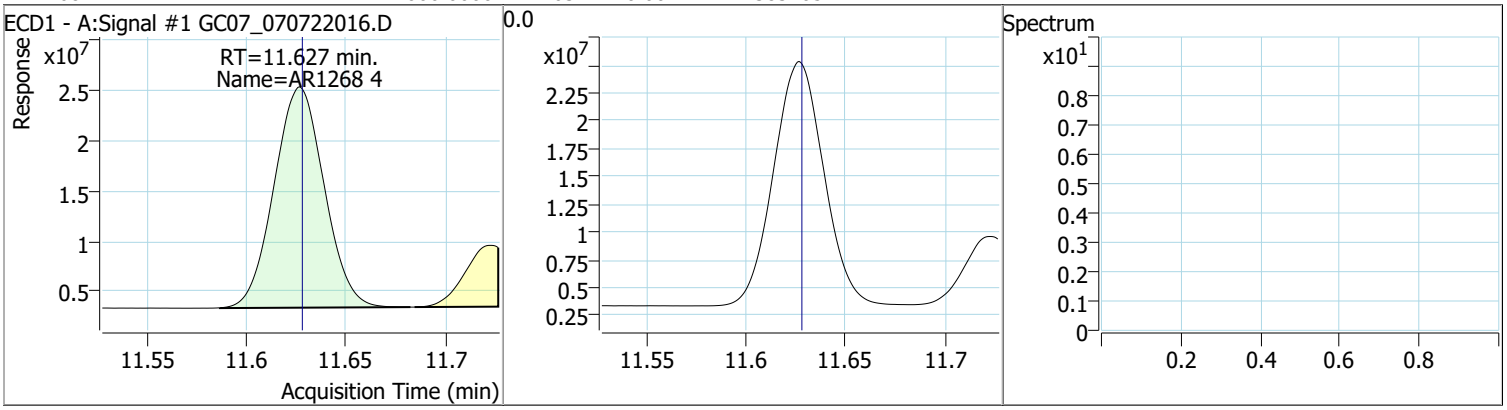
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3	2000.0000	11.35	0.00	48047947				



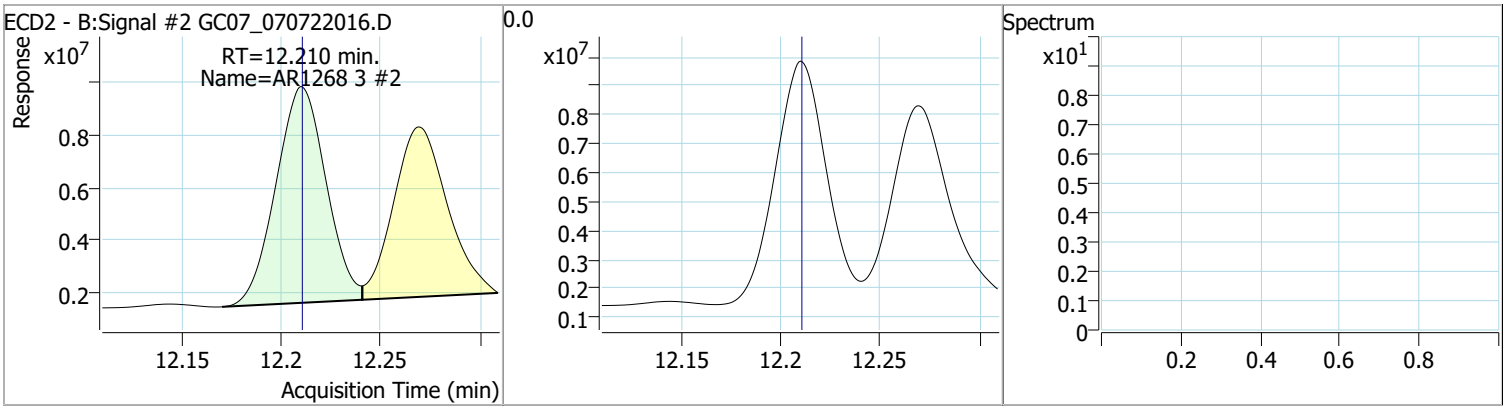
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2 #2	2000.0000	11.52	0.00	3753000				



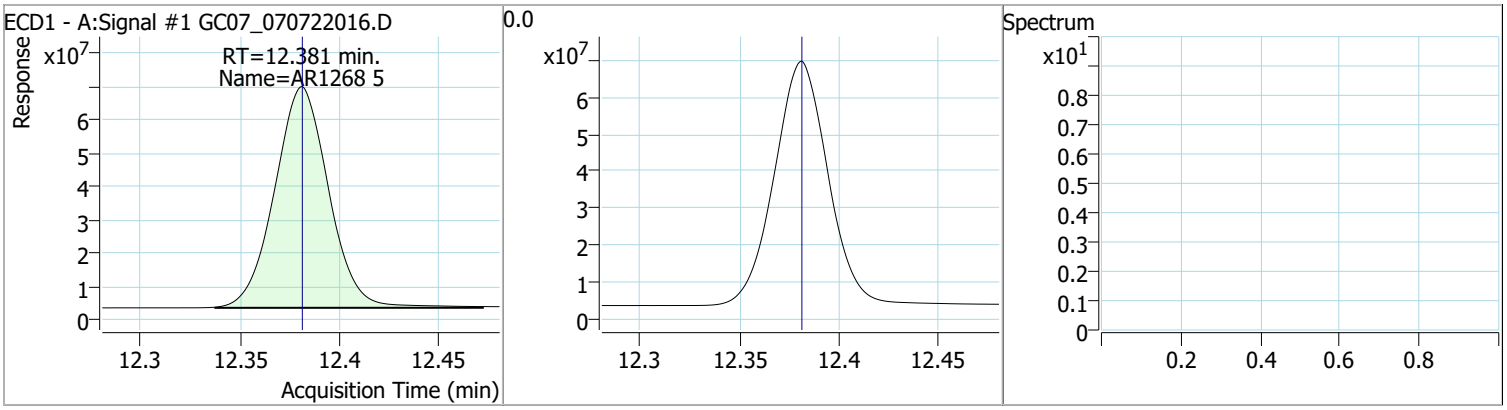
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4	2000.0000	11.63	0.00	38340542				



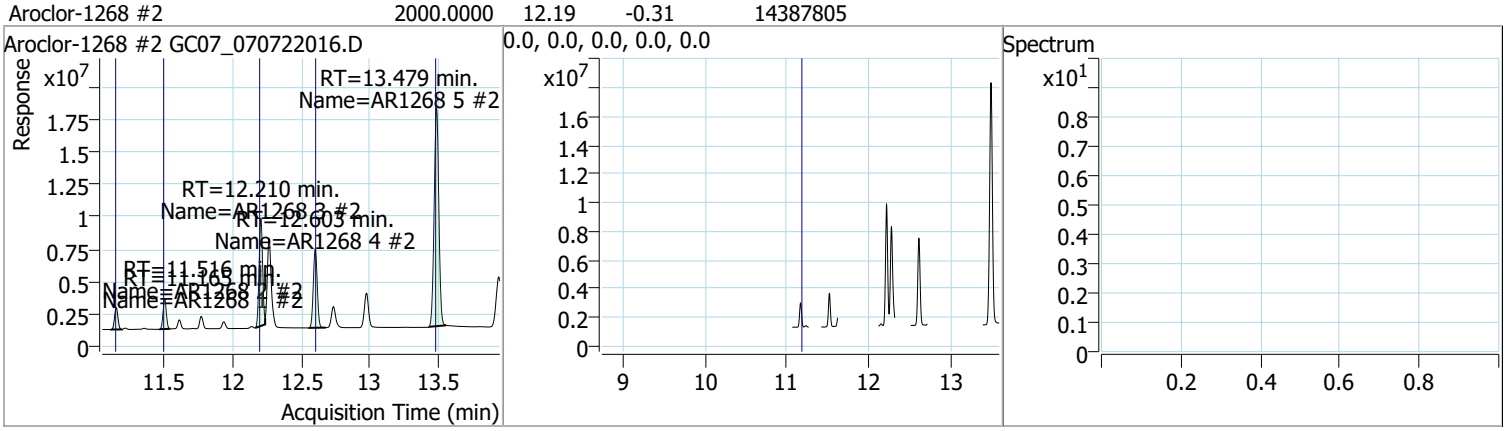
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3 #2	2000.0000	12.21	0.00	14466346				



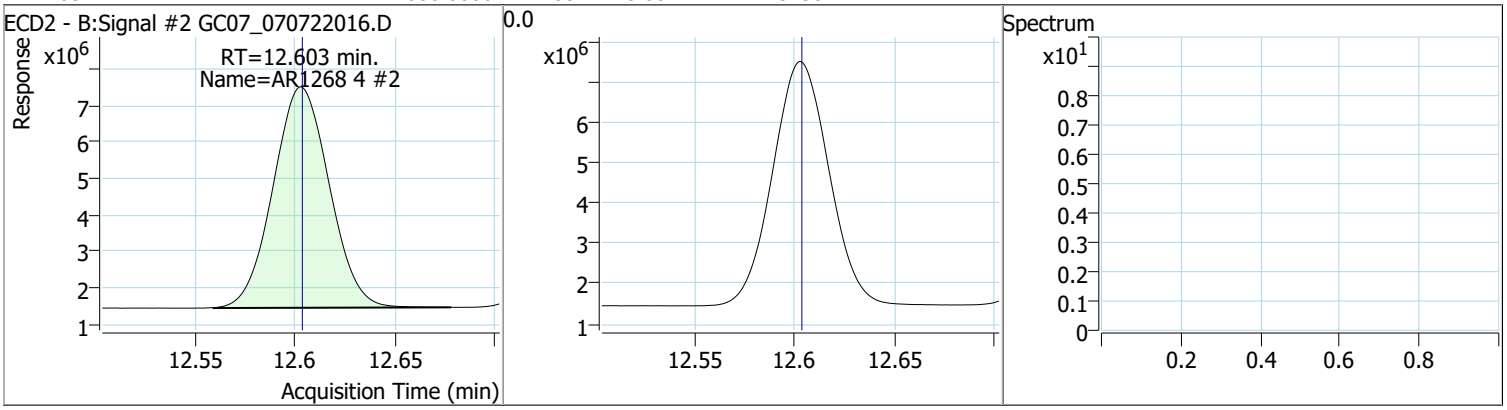
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5	2000.0000	12.38	0.00	125490885				



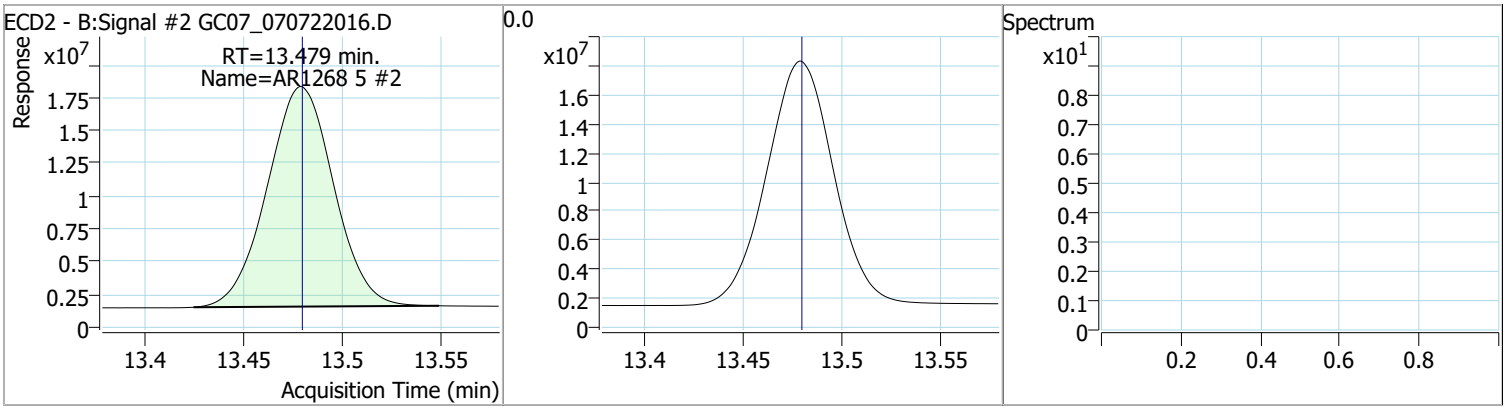
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268 #2	2000.0000	12.19	-0.31	14387805				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4 #2	2000.0000	12.60	0.00	11873627				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5 #2	2000.0000	13.48	0.00	38970702				



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 465035 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07			IDF:	1.0
Seqnum:	462271307011	File:	gc07_070722011	Time:	07-JUL-2022 14:28
Cal:	462252739001	Caldate:	25-JUN-2022		

Standards: S17006

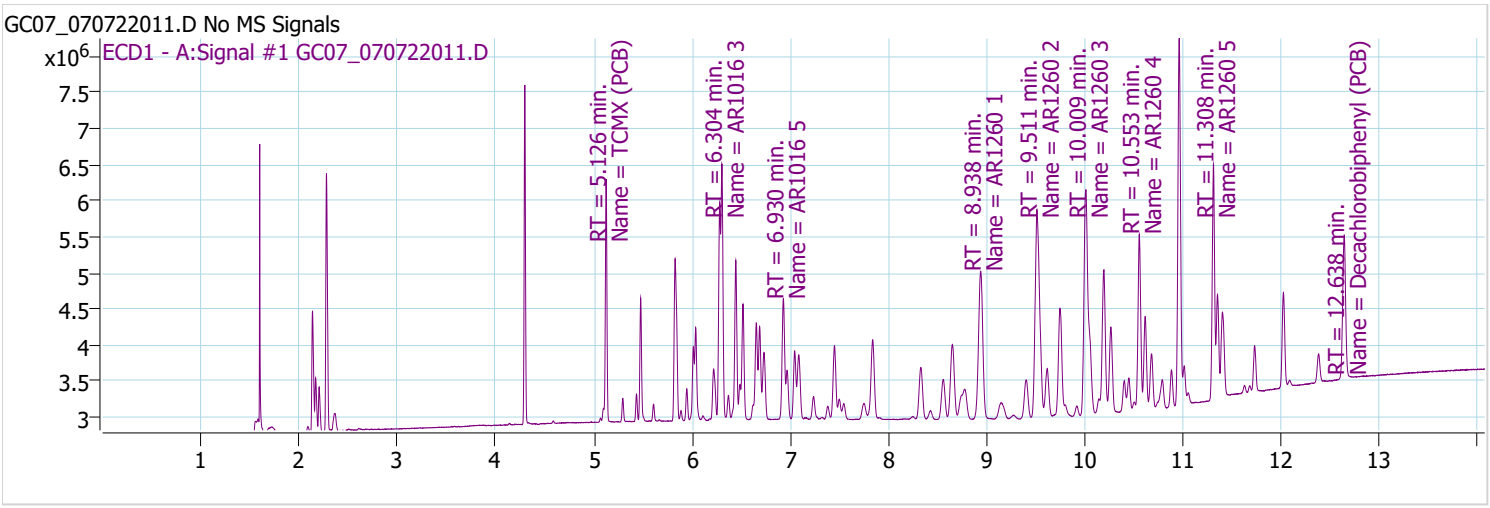
Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	469.5	ug/L	-6	15	0.0000	
Aroclor-1260	A			500.0	498.7	ug/L	0	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.1166	0.9660	20.00	17.30	pg/uL	-13	15	0.0000	
TCMX (PCB)	A	0.9428	0.8604	20.00	18.25	pg/uL	-9	15	0.0000	
Aroclor-1016	B			500.0	483.8	ug/L	-3	15	0.0000	
Aroclor-1260	B			500.0	489.8	ug/L	-2	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2309	1.0829	20.00	17.60	pg/uL	-12	15	0.0000	
TCMX (PCB)	B	0.9071	0.8428	20.00	18.58	pg/uL	-7	15	0.0000	

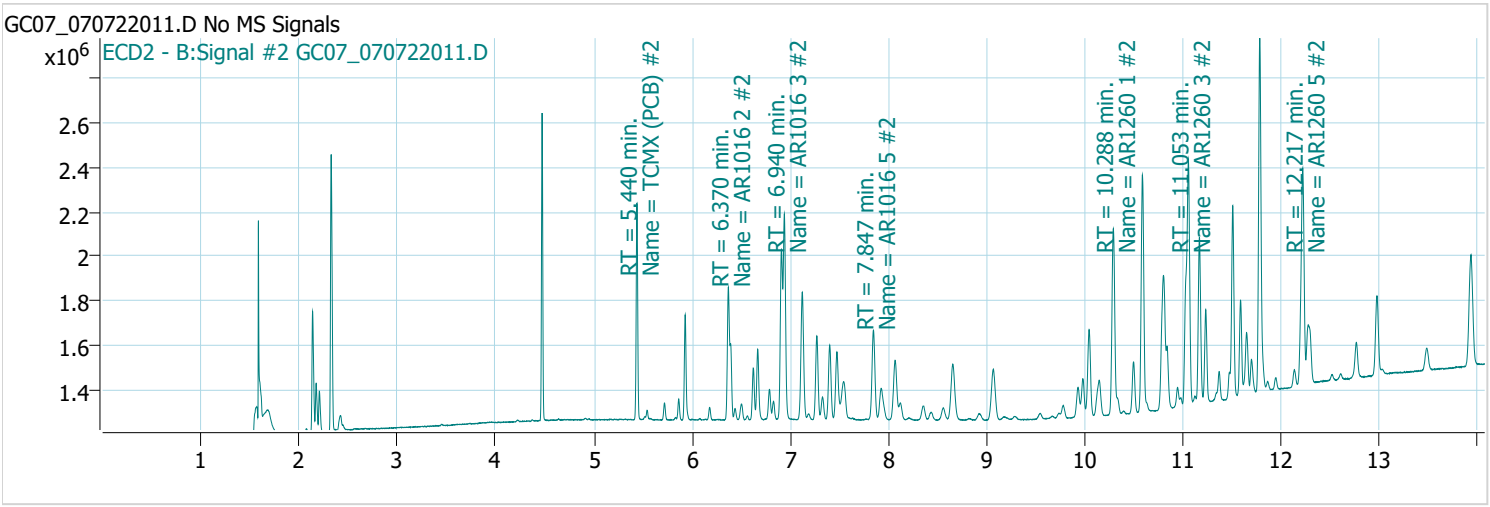
ISTD (ICAL gc07_062422023)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1166029	1232125	5.67
1-bromo-2-nitrobenzene (PCB)	A	4421081	4377739	-0.98

Analyst: TRN 07/08/22 **Reviewer:** LW 07/08/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_070722011.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/7/2022 2:28:55 PM
Sample Name	CCV, S17006	Instrument	SVOA-GC07
Vial	144	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_6.m	Comment	500 PPB PCB
Tune File	ATUNE.U	Tune Date	
Batch Name	070722PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



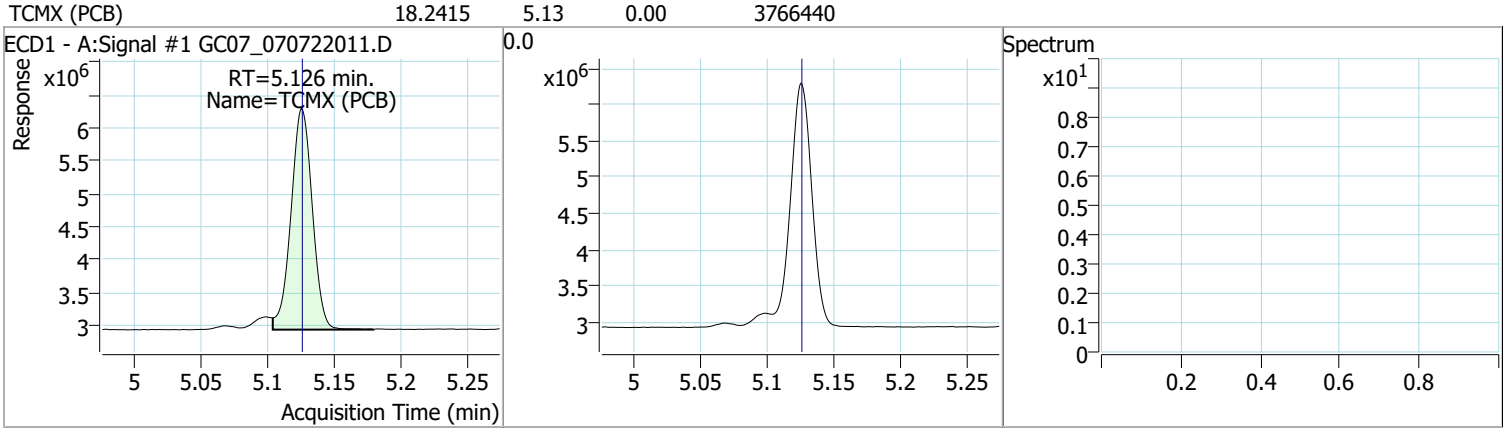


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.299	0.0	4377738.525	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.474	0.0	1232124.697	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.126	0.0	3766439.648	18.2415	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 91.21%		
S TCMX (PCB) #2	5.440	0.0	1038375.355	18.5699	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 92.85%		
S Decachlorobiphenyl (PCB)	12.638	0.0	4228715.039	17.2921	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 86.46%		
S Decachlorobiphenyl (PCB) #2	13.929	0.0	1334302.808	17.5866	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 87.93%		
Target Compounds						QValue

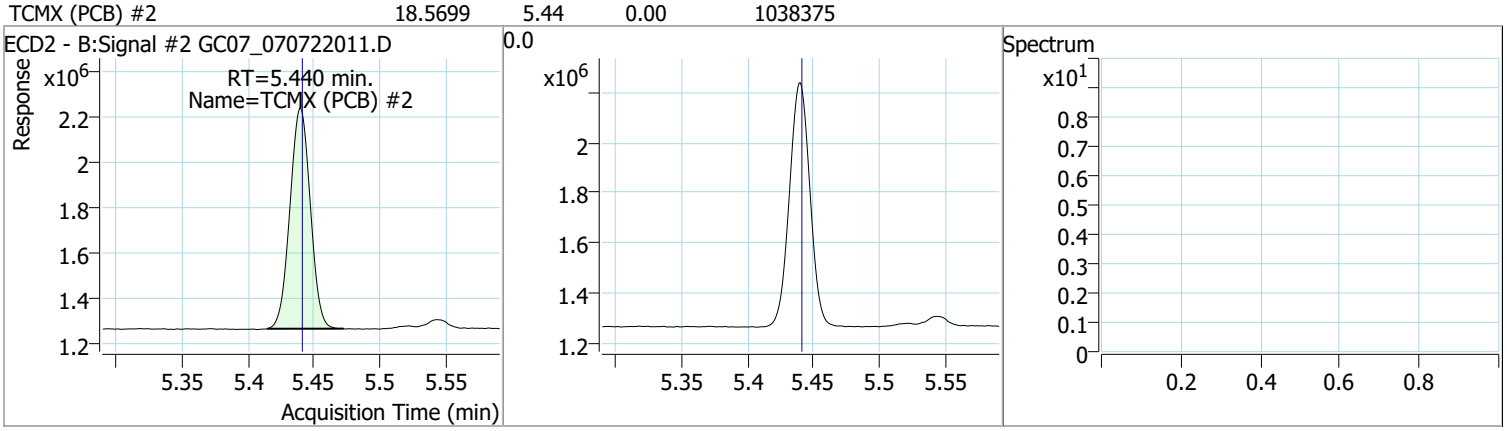
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.478	0.0	2075316.390	494.1416	ng/ml	100
T AR1016 2	5.828	0.0	4148619.200	455.7710	ng/ml	100
T AR1016 1 #2	5.931	0.0	593249.083	478.1140	ng/ml	100
T AR1016 3	6.304	0.0	4986724.797	473.1023	ng/ml	100
T AR1016 2 #2	6.370	0.0	1258987.189	465.9621	ng/ml	100
T AR1016 4	6.446	0.0	3342189.061	440.9352	ng/ml	100
T AR1016 5	6.930	0.0	3045566.047	482.3747	ng/ml	100
T AR1016 3 #2	6.940	0.0	1526061.992	492.3922	ng/ml	100
T AR1016 4 #2	7.123	0.0	1100134.017	511.4435	ng/ml	100
T AR1016 5 #2	7.847	0.0	843942.472	469.6784	ng/ml	100
T AR1260 1	8.938	0.0	6157359.619	461.8149	ng/ml	100
T AR1260 2	9.511	0.0	9150556.707	478.0956	ng/ml	100
T AR1260 3	10.009	0.0	9930123.124	511.9770	ng/ml	100
T AR1260 1 #2	10.288	0.0	1788222.635	458.2639	ng/ml	100
T AR1260 4	10.553	0.0	4423956.562	446.1786	ng/ml	100
T AR1260 2 #2	10.584	0.0	2042818.259	471.2017	ng/ml	100
T AR1260 3 #2	11.053	0.0	2698569.335	505.7132	ng/ml	100
T AR1260 5	11.308	0.0	5408793.303	594.1737	ng/ml	100
T AR1260 4 #2	11.504	0.0	1551823.910	518.3264	ng/ml	100
T AR1260 5 #2	12.217	0.0	2126723.450	494.3167	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

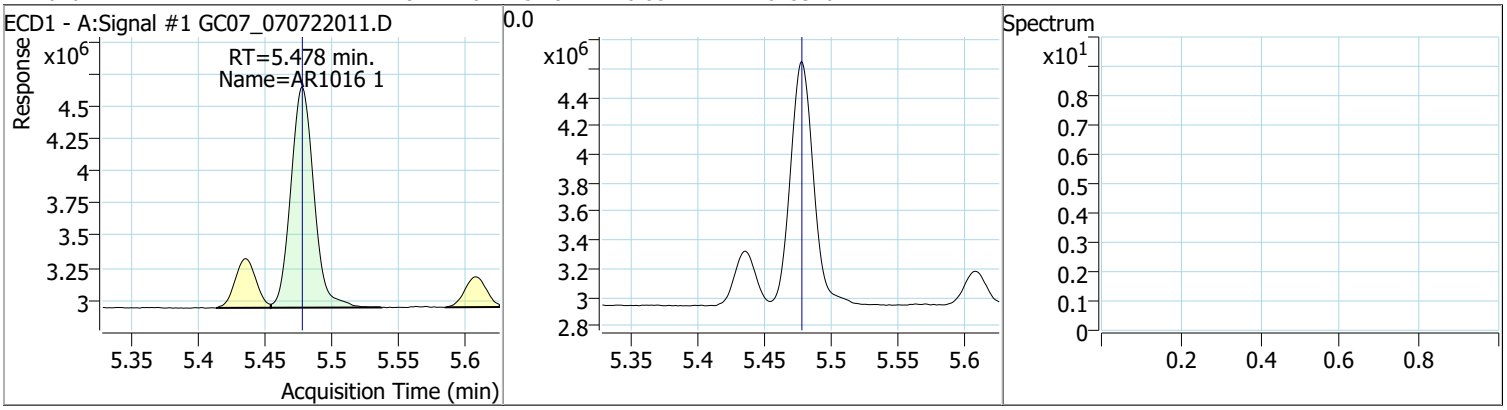
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	18.2415	5.13	0.00	3766440				



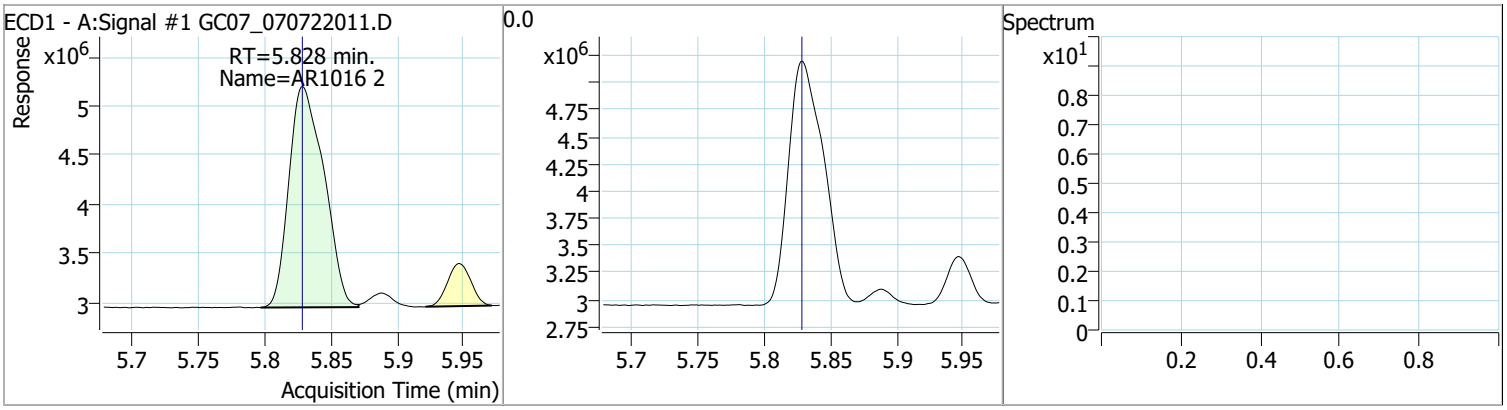
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	18.5699	5.44	0.00	1038375				



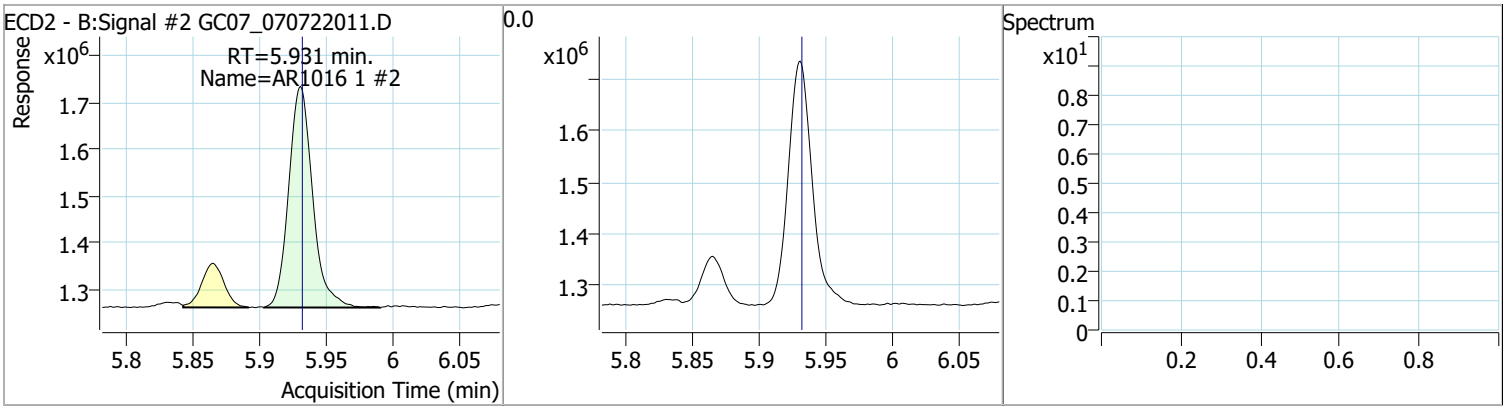
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	494.1416	5.48	0.00	2075316				



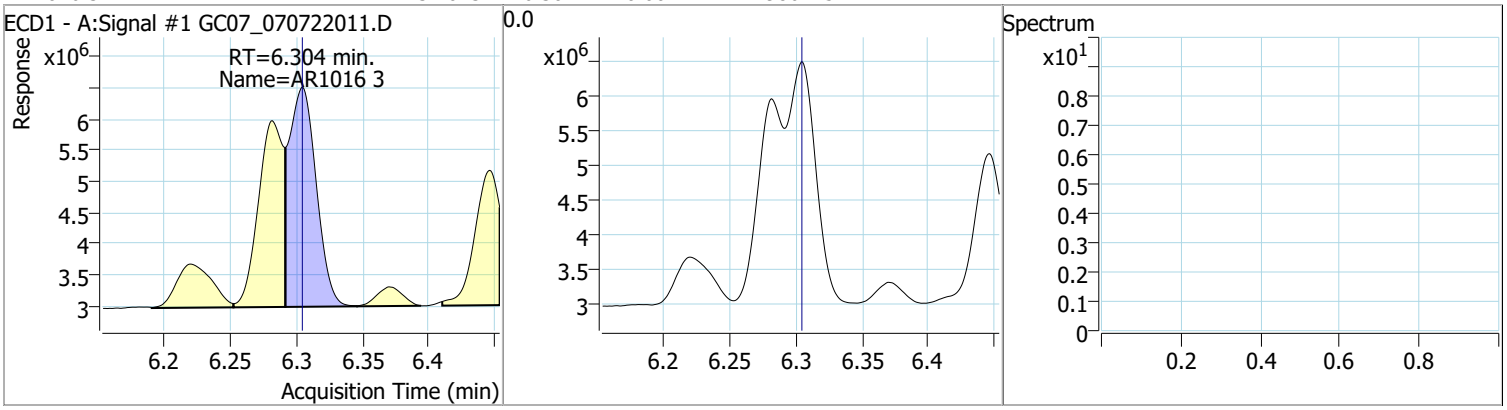
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	455.7710	5.83	0.00	4148619				



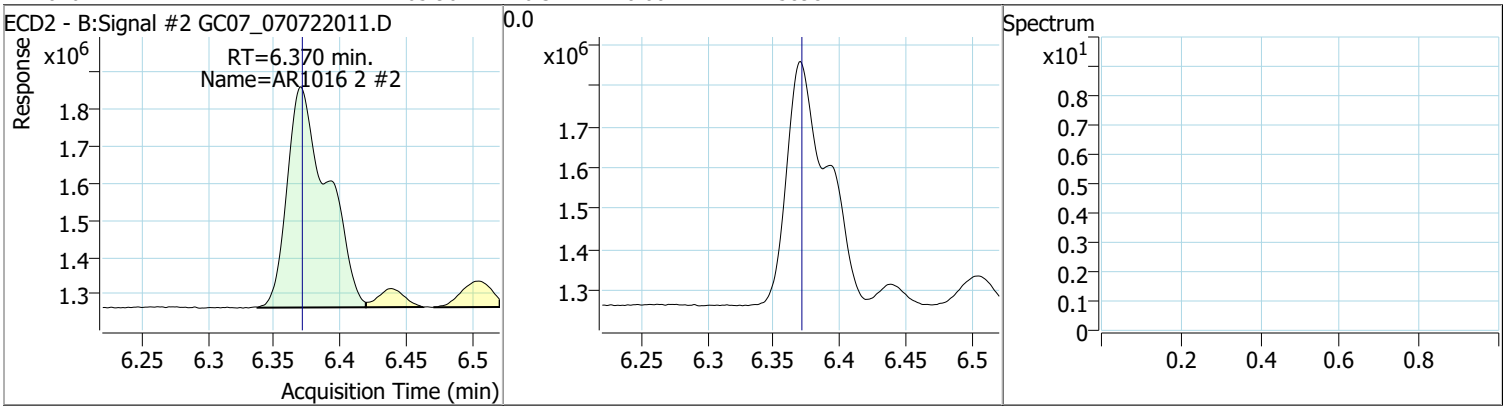
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	478.1140	5.93	0.00	593249				



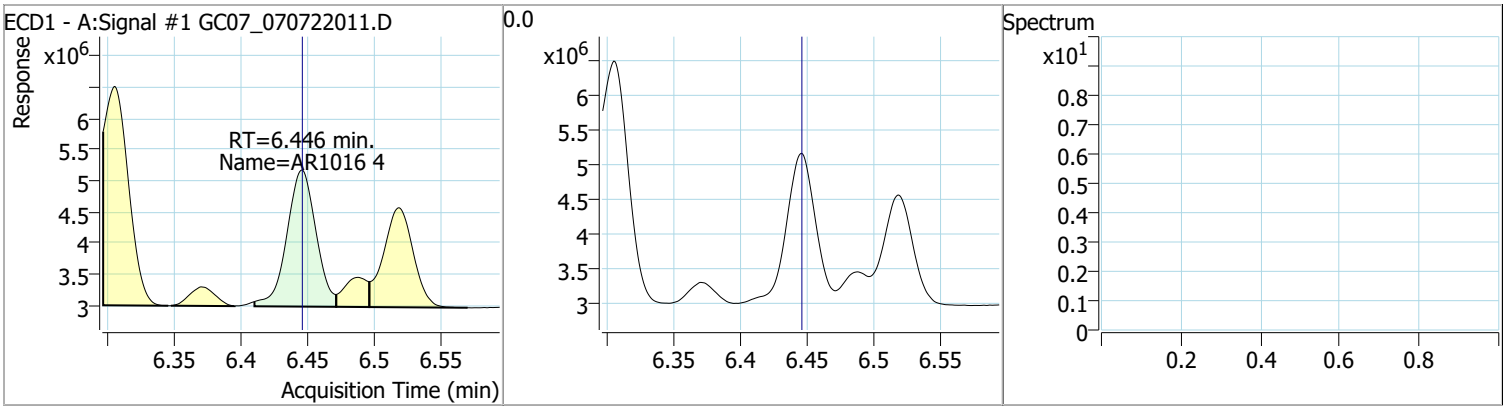
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	473.1023	6.30	0.00	4986725				



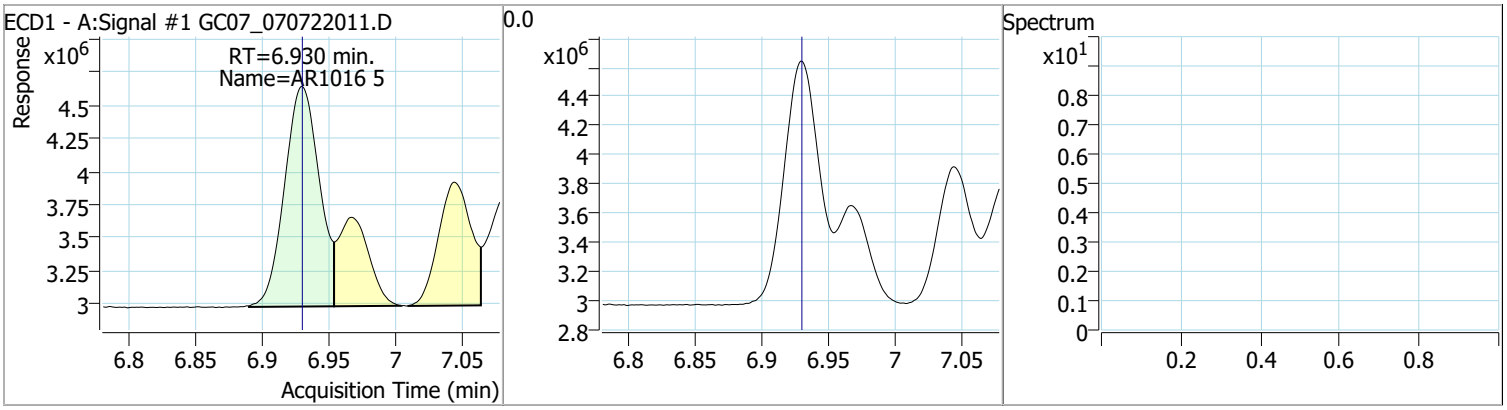
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	465.9621	6.37	0.00	1258987				



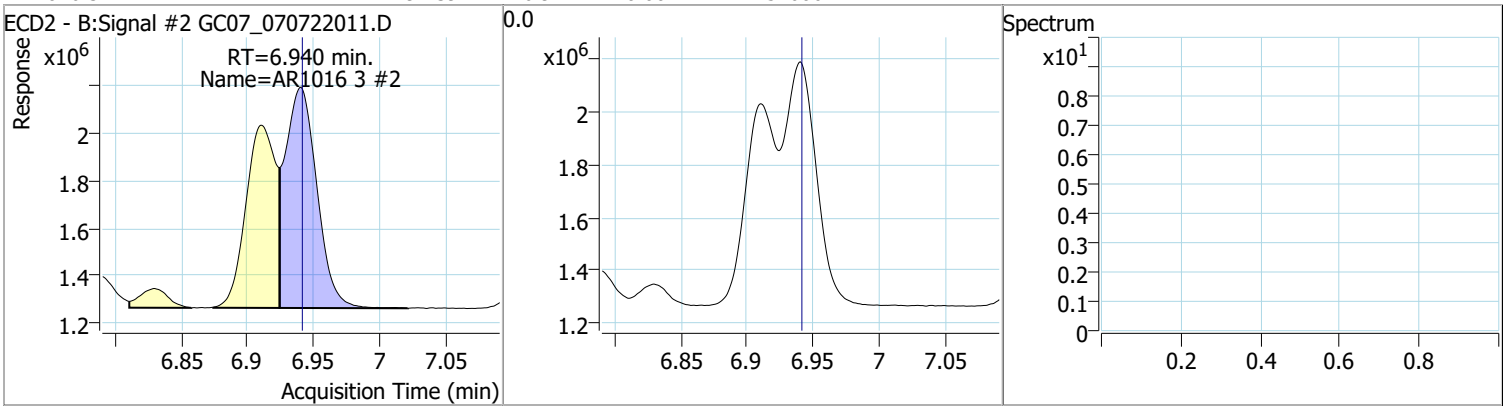
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	440.9352	6.45	0.00	3342189				



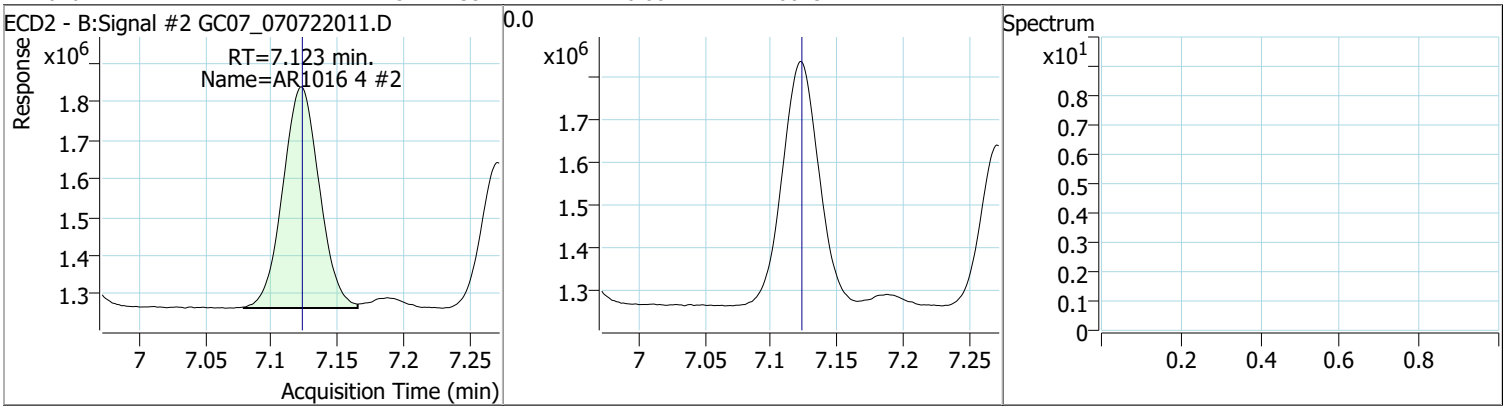
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	482.3747	6.93	0.00	3045566				



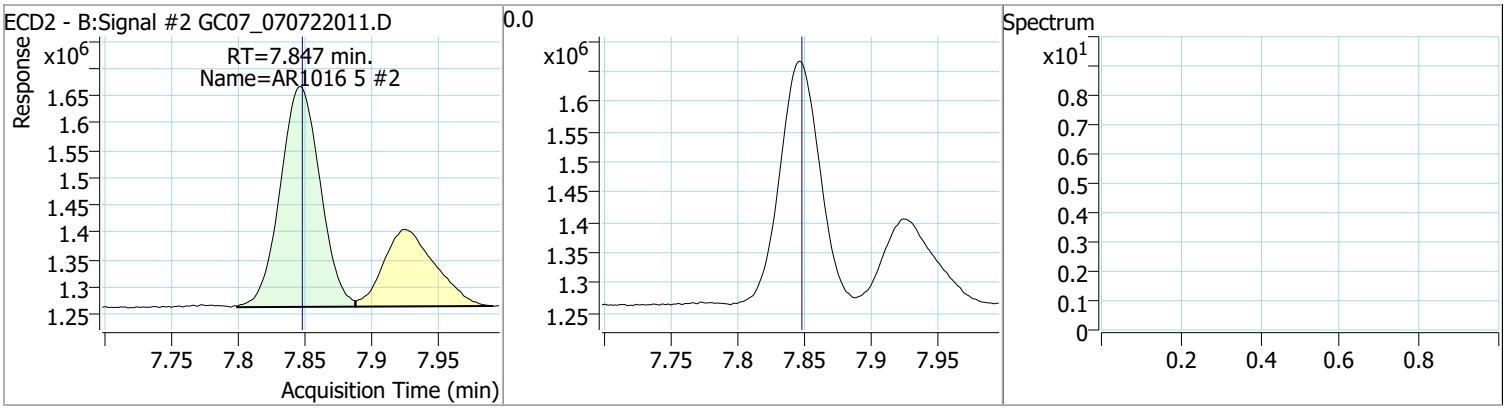
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	492.3922	6.94	0.00	1526062				



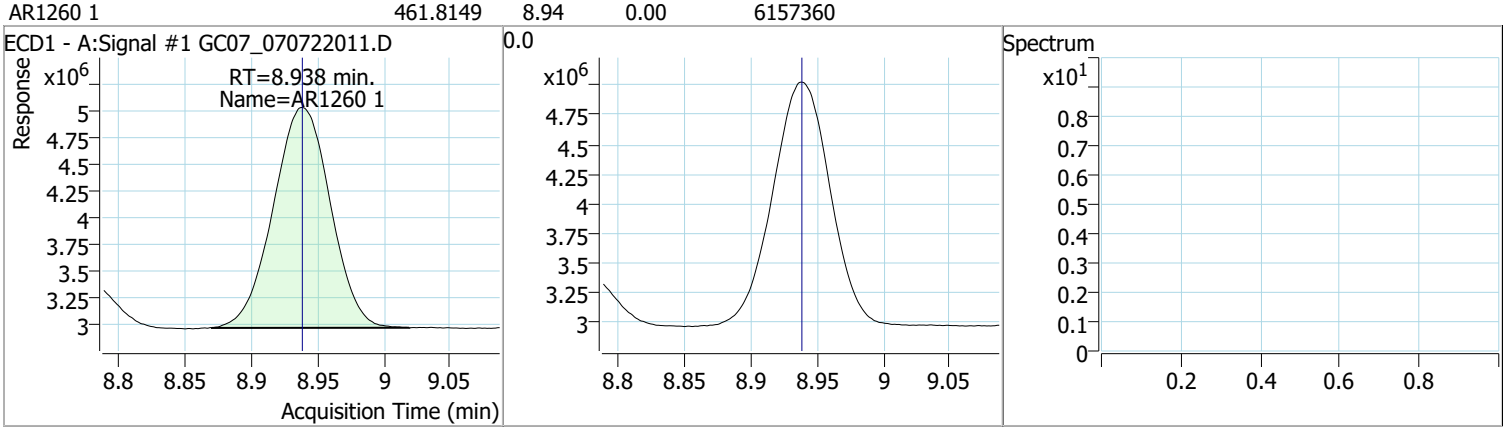
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	511.4435	7.12	0.00	1100134				



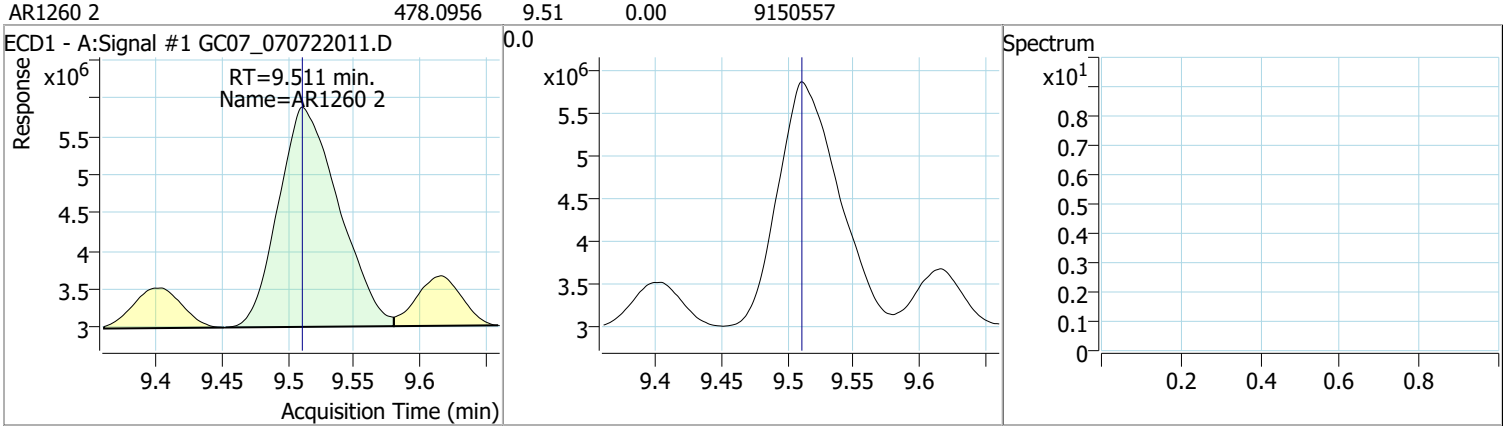
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	469.6784	7.85	0.00	843942				



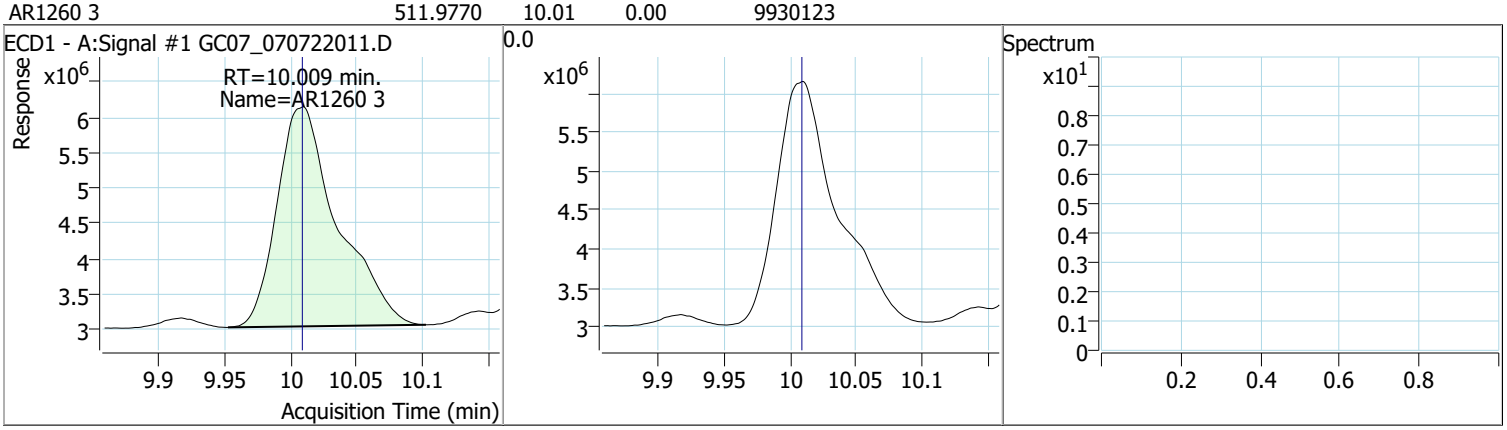
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	461.8149	8.94	0.00	6157360				



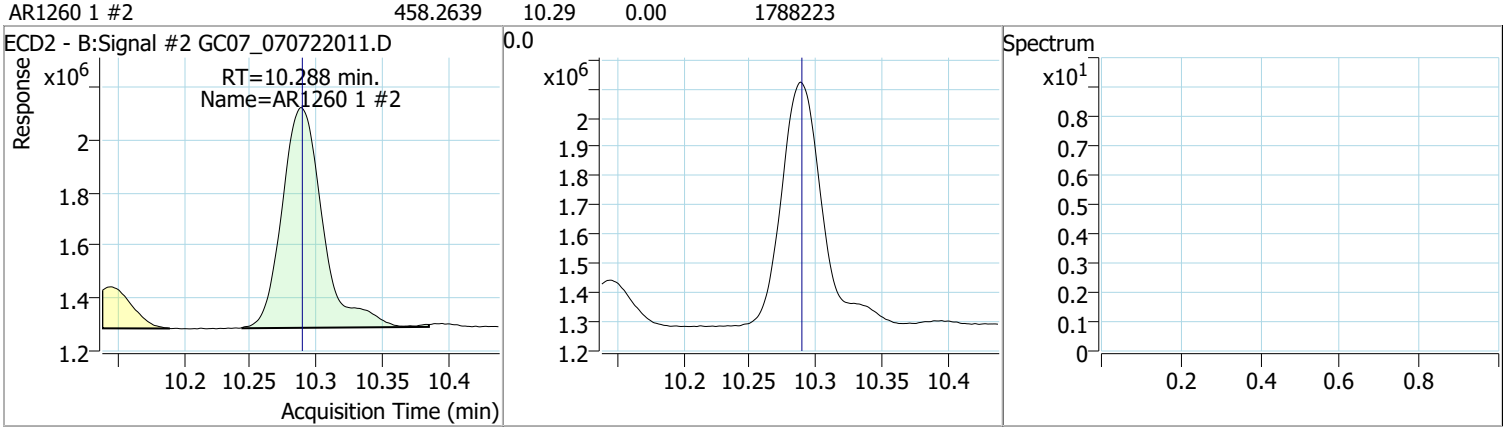
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	478.0956	9.51	0.00	9150557				



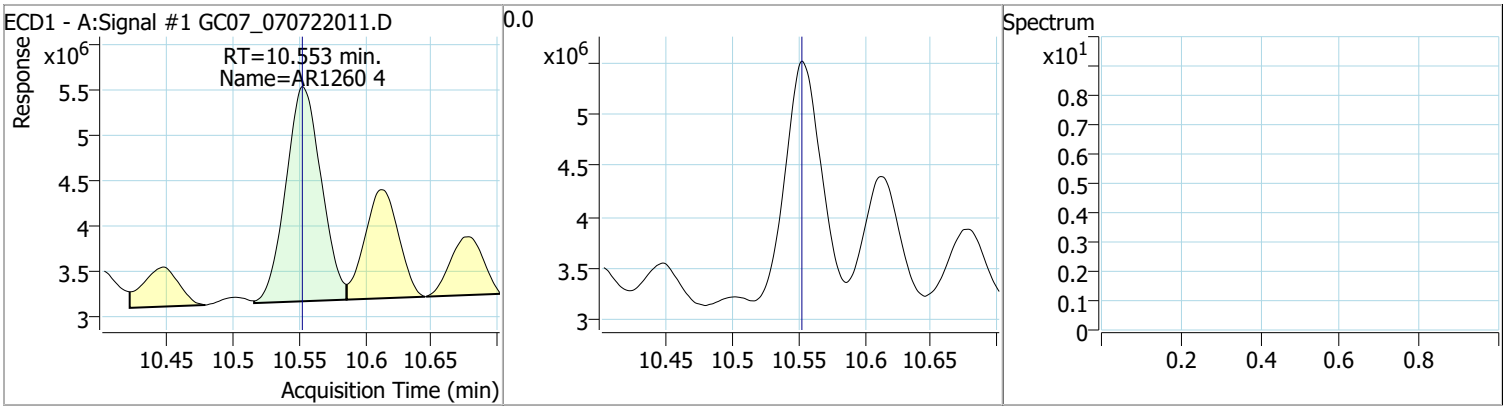
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	511.9770	10.01	0.00	9930123				



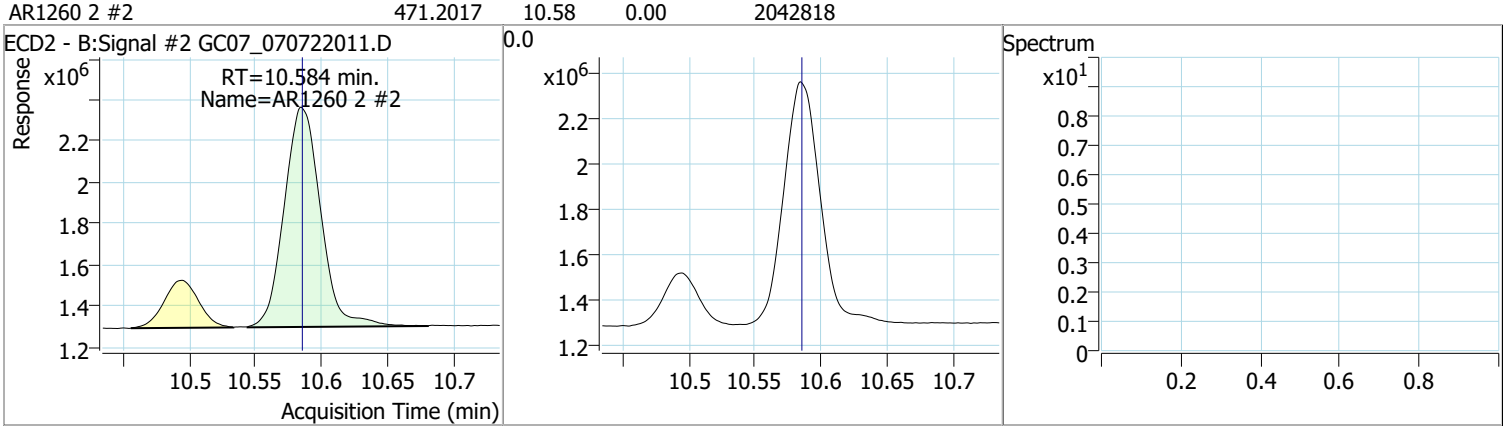
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	458.2639	10.29	0.00	1788223				



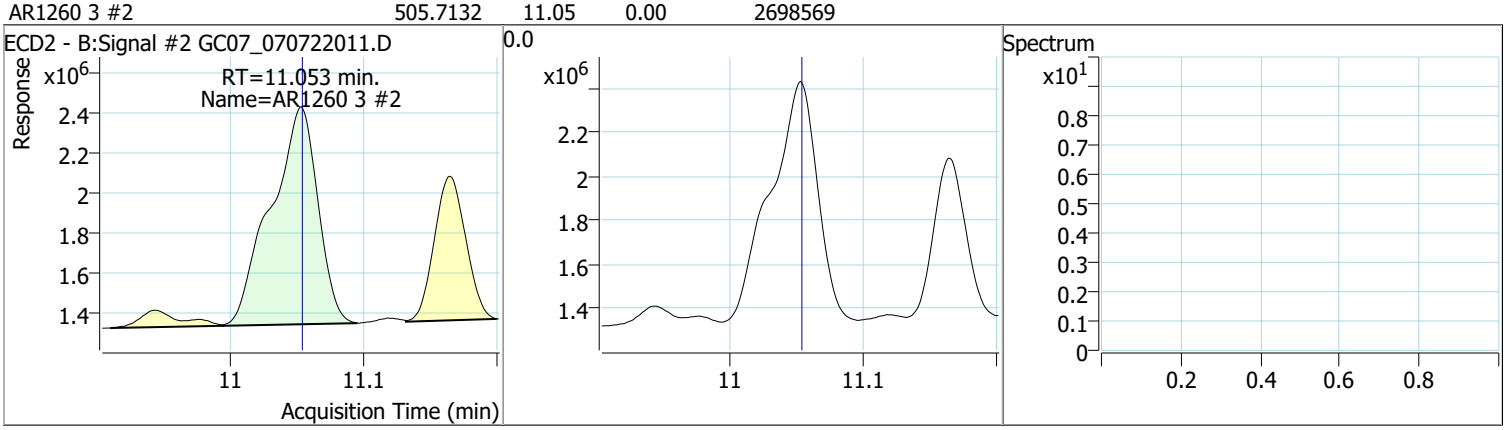
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	446.1786	10.55	0.00	4423957				



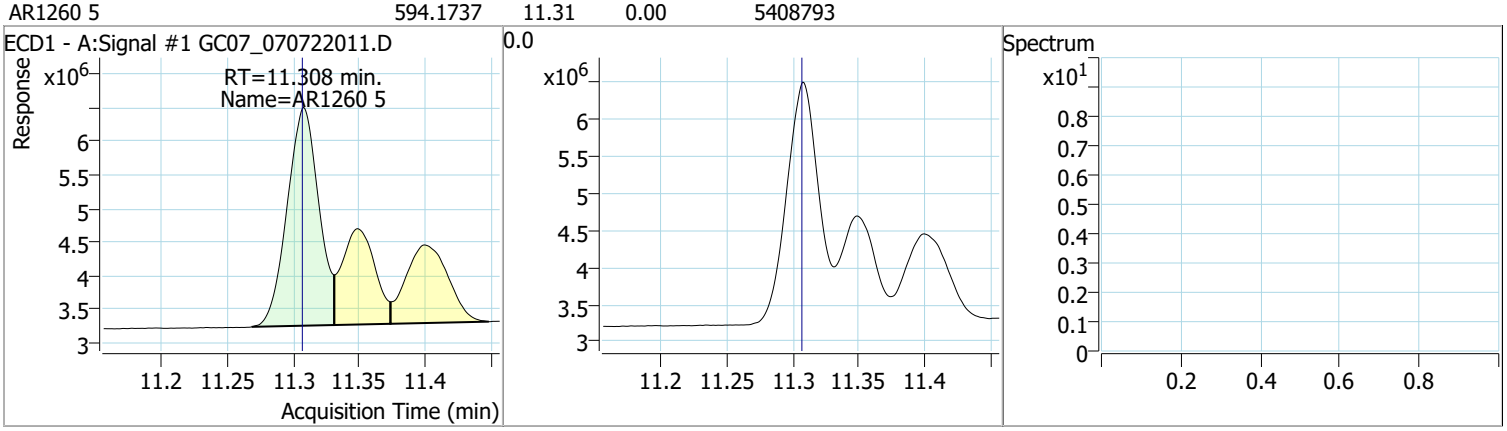
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	471.2017	10.58	0.00	2042818				



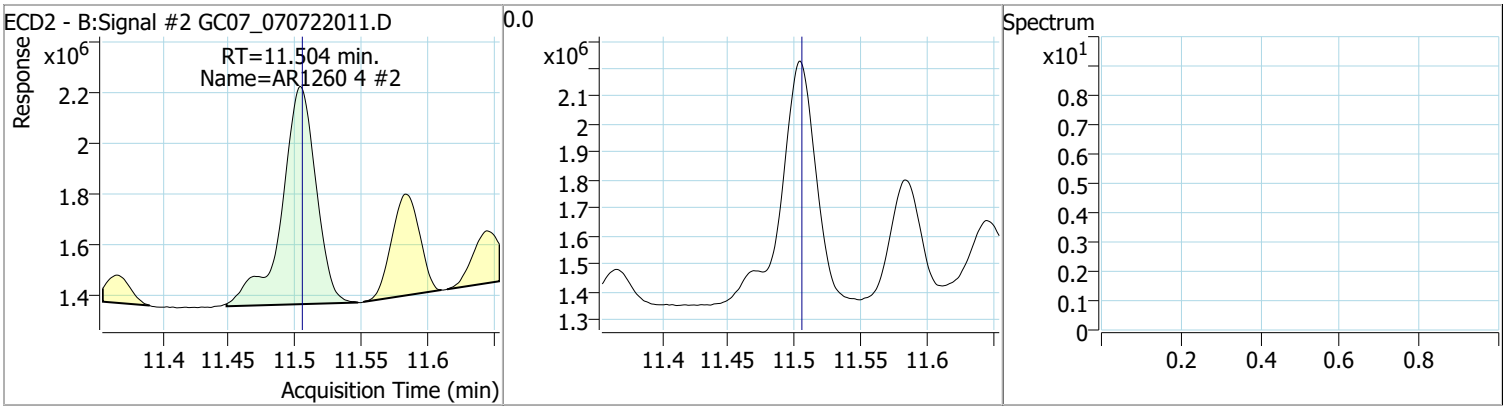
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	505.7132	11.05	0.00	2698569				



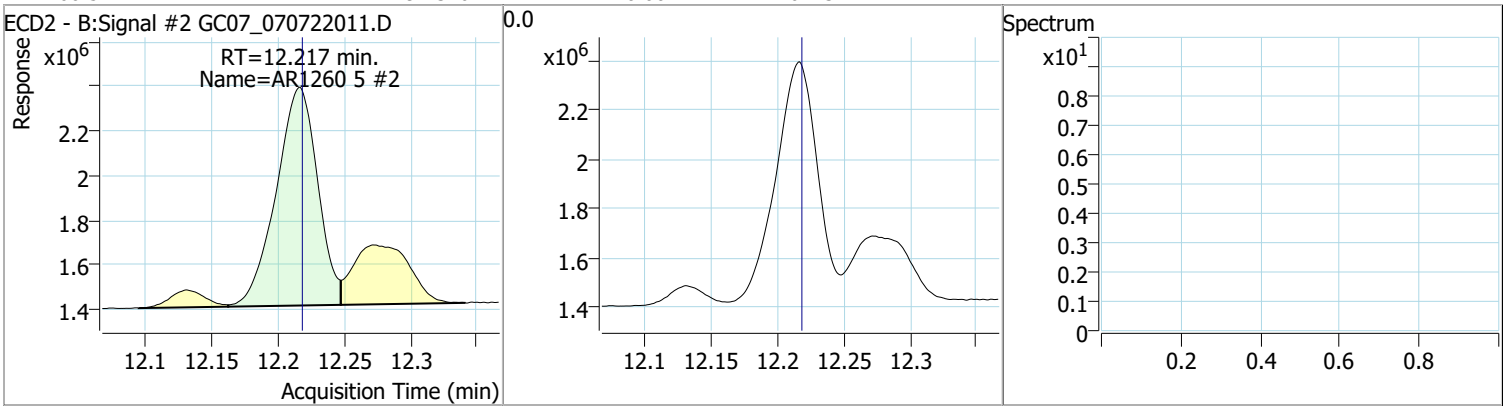
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	594.1737	11.31	0.00	5408793				



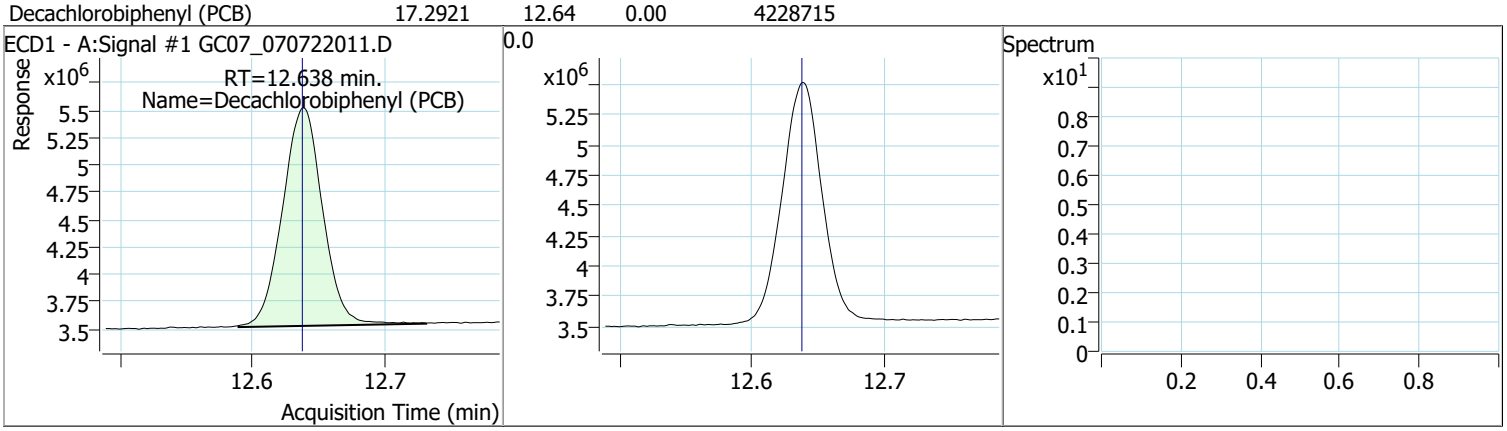
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	518.3264	11.50	0.00	1551824				



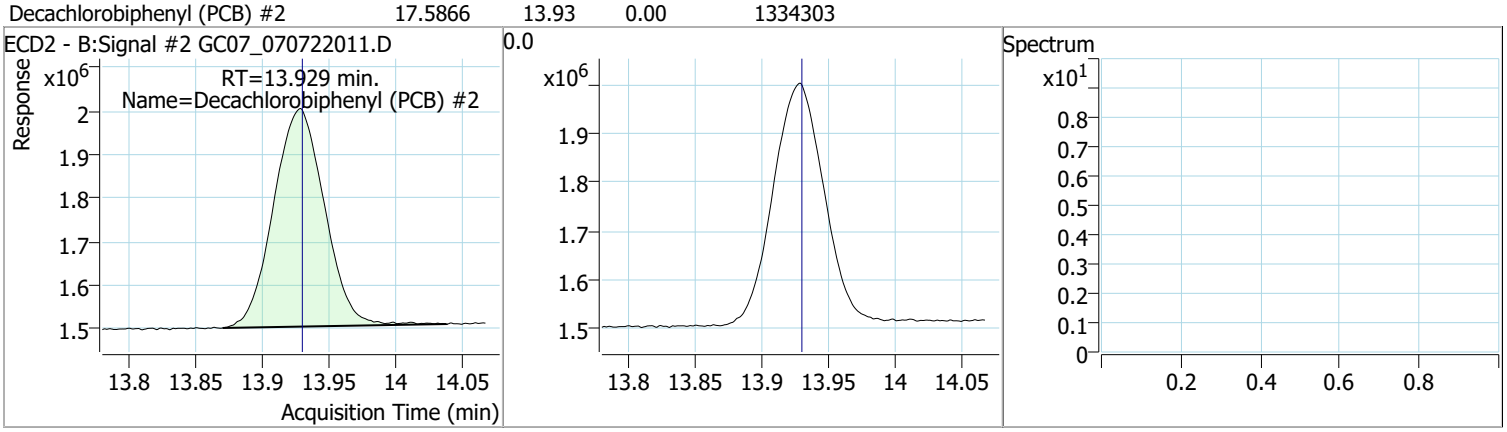
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	494.3167	12.22	0.00	2126723				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	17.2921	12.64	0.00	4228715				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	17.5866	13.93	0.00	1334303				



ENTHALPY CONTINUING CALIBRATION FOR 465035 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07			IDF:	1.0
Seqnum:	462273158004	File:	gc07_070822004	Time:	08-JUL-2022 17:14
Cal:	462252739001	Caldate:	25-JUN-2022		

Standards: S17006

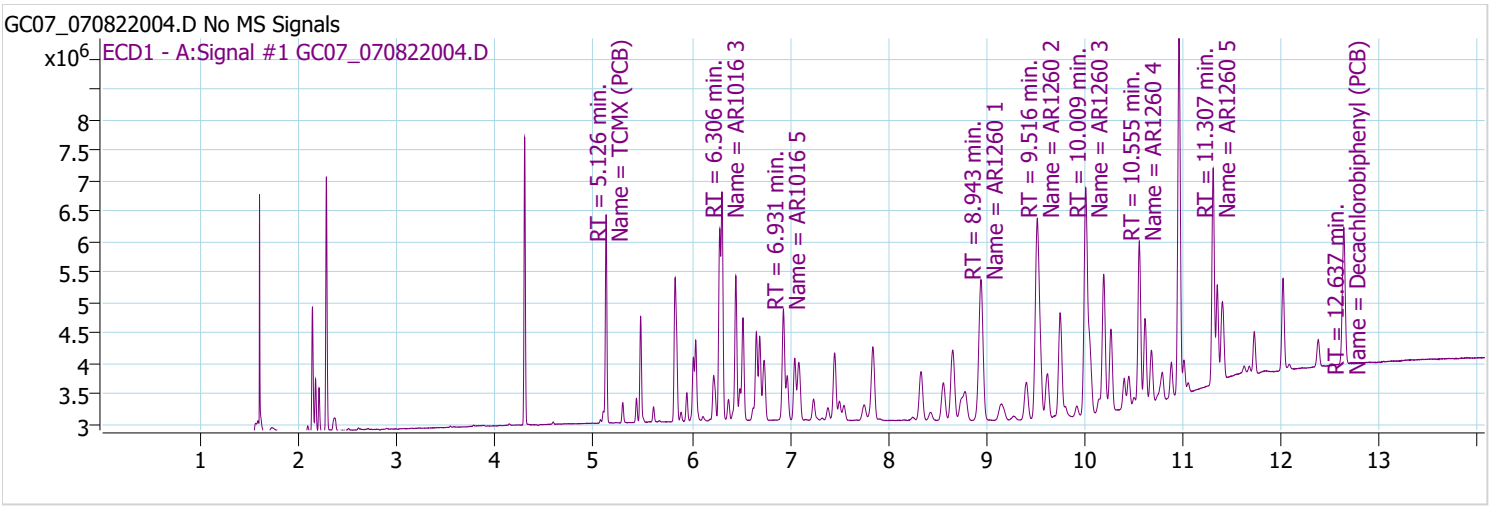
Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	499.2	ug/L	0	15	0.0000	
Aroclor-1260	A			500.0	566.2	ug/L	13	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.1166	1.0610	20.00	19.00	pg/uL	-5	15	0.0000	
TCMX (PCB)	A	0.9428	0.8693	20.00	18.44	pg/uL	-8	15	0.0000	
Aroclor-1016	B			500.0	508.3	ug/L	2	15	0.0000	
Aroclor-1260	B			500.0	545.9	ug/L	9	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2309	1.2096	20.00	19.65	pg/uL	-2	15	0.0000	
TCMX (PCB)	B	0.9071	0.8480	20.00	18.70	pg/uL	-7	15	0.0000	

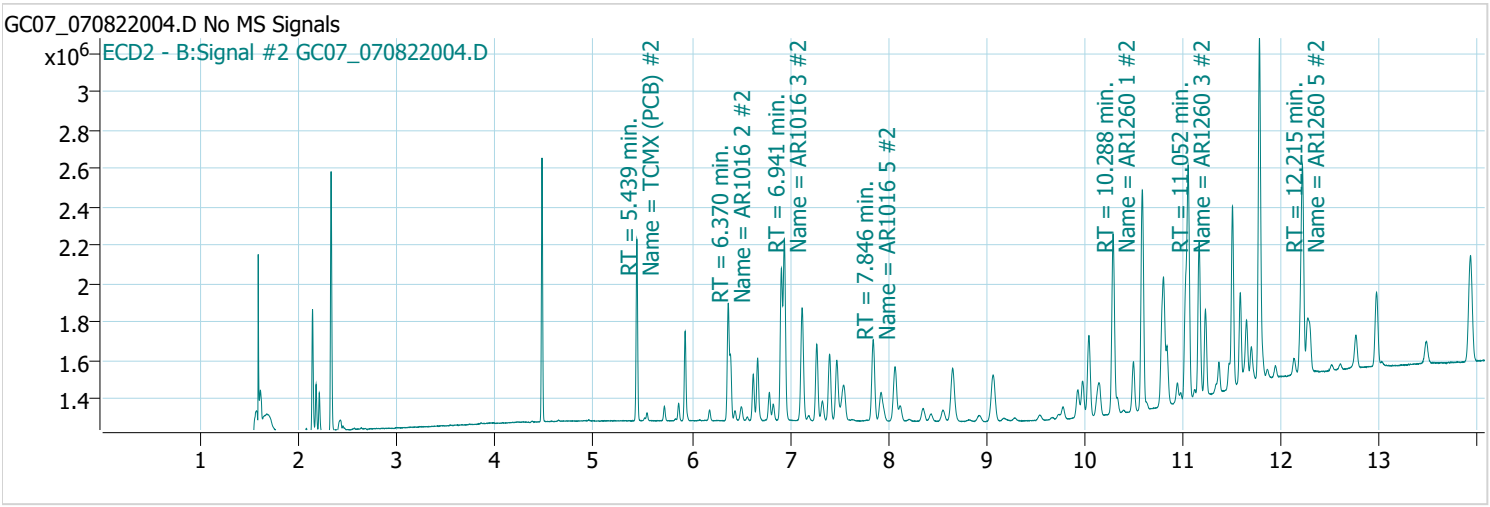
ISTD (ICAL gc07_062422023)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1166029	1196701	2.63
1-bromo-2-nitrobenzene (PCB)	A	4421081	4359760	-1.39

Analyst: TRN 07/08/22 **Reviewer:** LW 07/08/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_070822004.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	7/8/2022 5:14:14 PM
Sample Name	CCV, S17006	Instrument	SVOA-GC07
Vial	144	Multiplier	1.00
DA Method File	PCB_608_062422_GC07_6.m	Comment	500 PPB PCB
Tune File	ATUNE.U	Tune Date	
Batch Name	070822PCB.batch.bin	Last Calib Update	6/25/2022 2:22:26 PM
Ref Library			



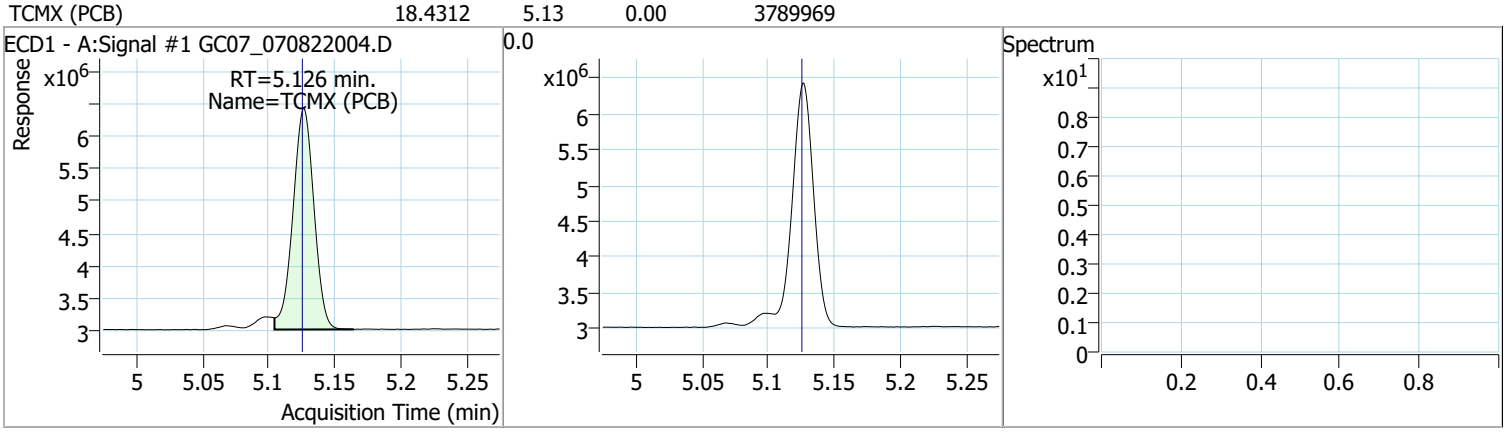


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.298	0.0	4359760.025	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.473	0.0	1196700.796	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.126	0.0	3789968.564	18.4312	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 92.16%		
S TCMX (PCB) #2	5.439	0.0	1014851.340	18.6864	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 93.43%		
S Decachlorobiphenyl (PCB)	12.637	0.0	4625572.798	18.9930	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 94.96%		
S Decachlorobiphenyl (PCB) #2	13.927	0.0	1447503.713	19.6434	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 98.22%		
Target Compounds						QValue

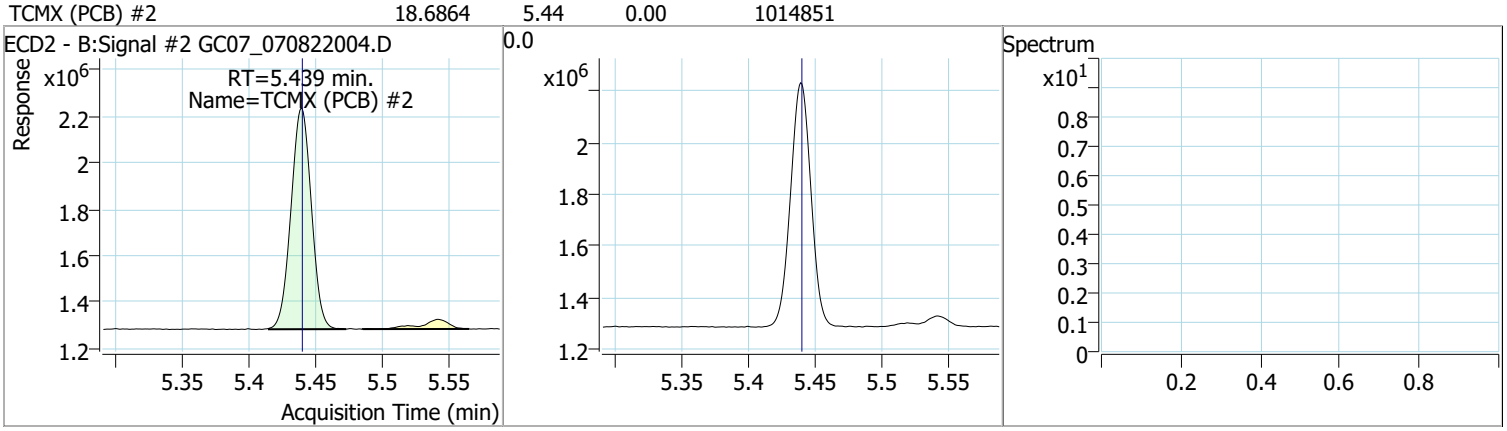
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.478	0.0	2122708.695	507.5102	ng/ml	100
T AR1016 2	5.829	0.0	4317349.316	476.2638	ng/ml	100
T AR1016 1 #2	5.931	0.0	578515.498	480.0411	ng/ml	100
T AR1016 3	6.306	0.0	5450406.671	519.2252	ng/ml	100
T AR1016 2 #2	6.370	0.0	1269673.275	483.8273	ng/ml	100
T AR1016 4	6.447	0.0	3580680.414	474.3474	ng/ml	100
T AR1016 5	6.931	0.0	3253542.522	517.4403	ng/ml	100
T AR1016 3 #2	6.941	0.0	1576088.497	523.5867	ng/ml	100
T AR1016 4 #2	7.122	0.0	1134280.699	542.9274	ng/ml	100
T AR1016 5 #2	7.846	0.0	889203.209	509.5160	ng/ml	100
T AR1260 1	8.943	0.0	7011278.498	528.0291	ng/ml	100
T AR1260 2	9.516	0.0	10348677.554	542.9244	ng/ml	100
T AR1260 3	10.009	0.0	11300320.409	585.0241	ng/ml	100
T AR1260 1 #2	10.288	0.0	1839521.361	485.3645	ng/ml	100
T AR1260 4	10.555	0.0	4970345.926	503.3520	ng/ml	100
T AR1260 2 #2	10.585	0.0	2218498.720	526.8723	ng/ml	100
T AR1260 3 #2	11.052	0.0	3010902.253	580.9470	ng/ml	100
T AR1260 5	11.307	0.0	6073664.606	669.9635	ng/ml	100
T AR1260 4 #2	11.503	0.0	1661805.003	571.4919	ng/ml	100
T AR1260 5 #2	12.215	0.0	2353509.144	563.2215	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

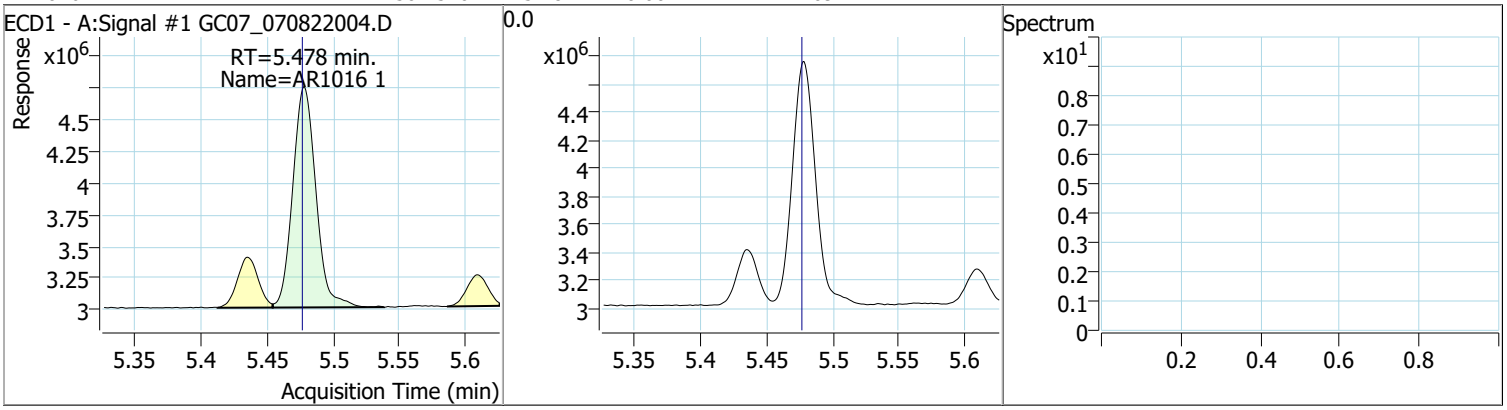
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	18.4312	5.13	0.00	3789969				



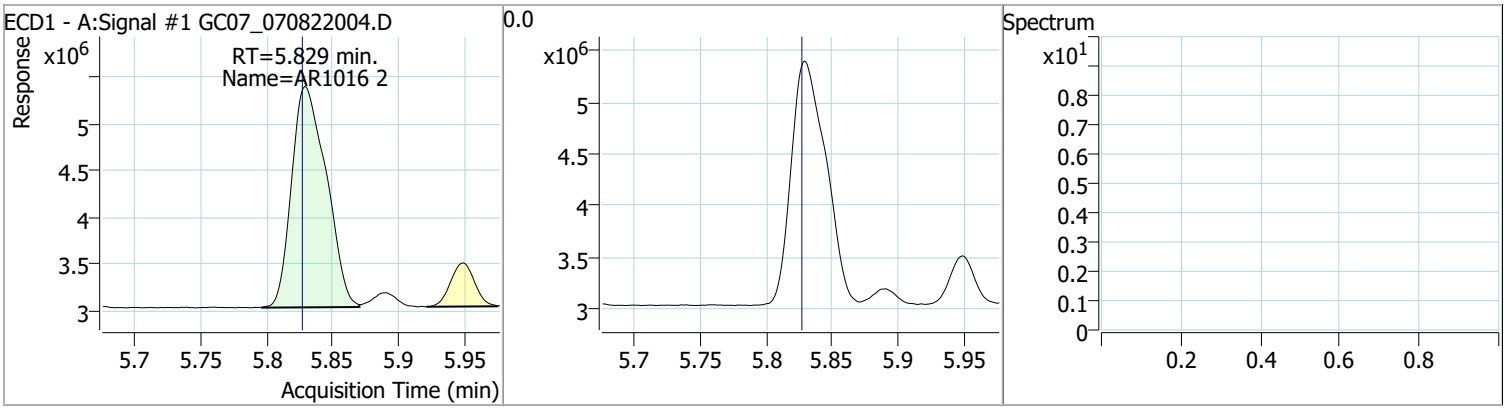
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	18.6864	5.44	0.00	1014851				



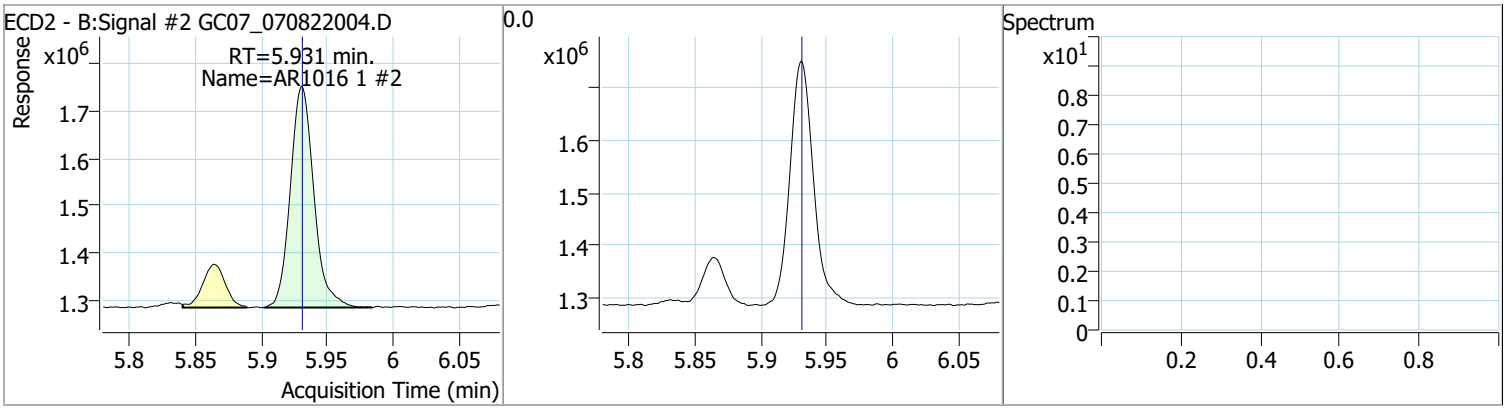
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	507.5102	5.48	0.00	2122709				



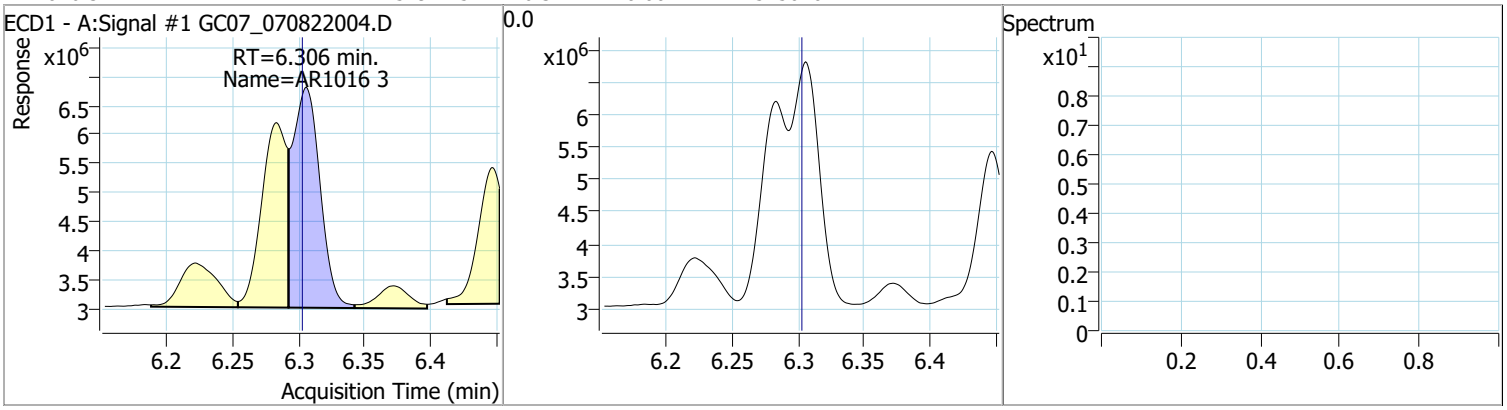
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	476.2638	5.83	0.00	4317349				



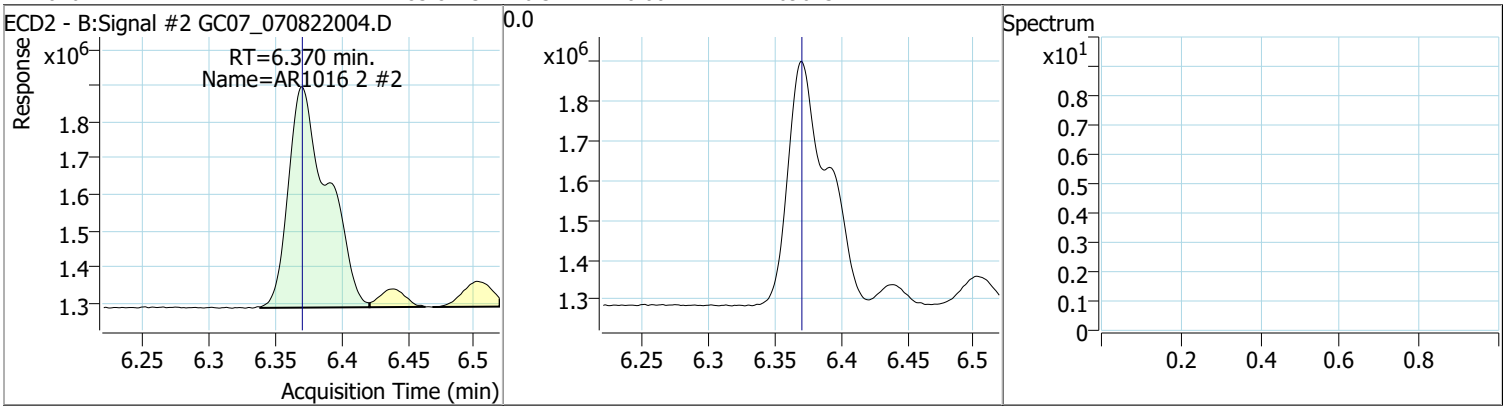
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	480.0411	5.93	0.00	578515				



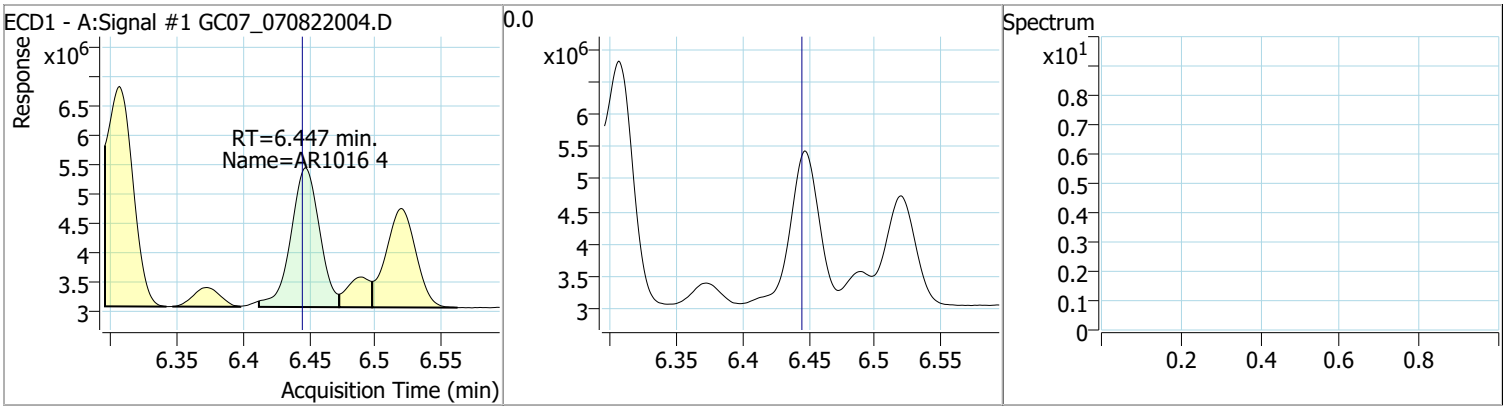
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	519.2252	6.31	0.00	5450407				



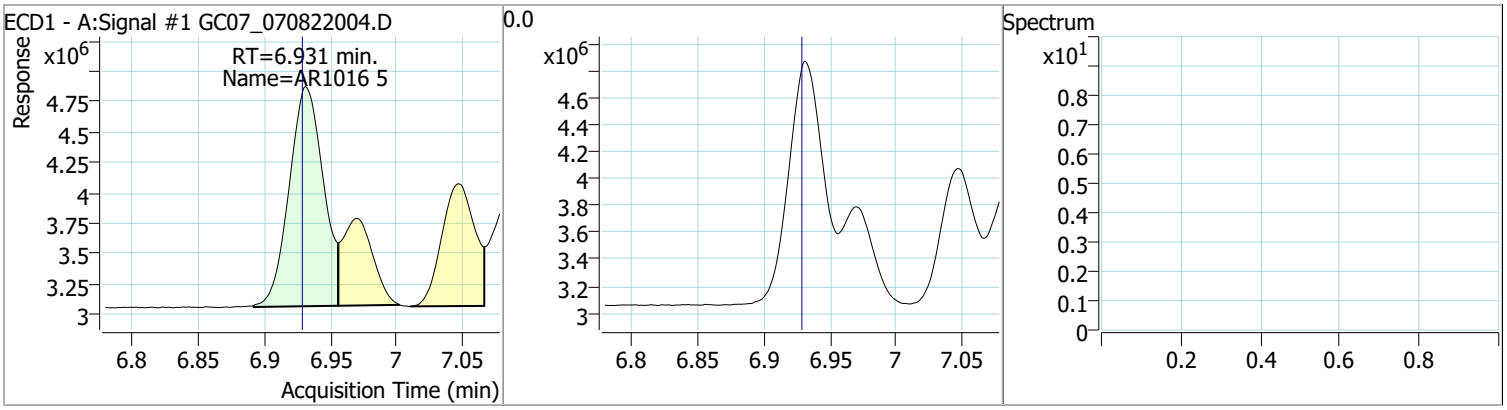
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	483.8273	6.37	0.00	1269673				



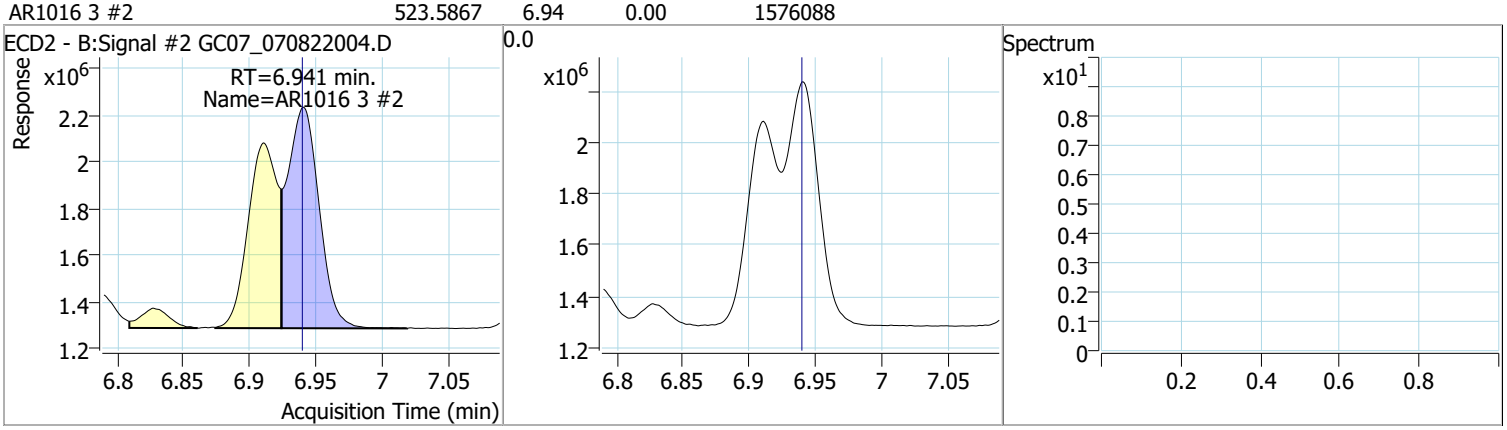
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	474.3474	6.45	0.00	3580680				



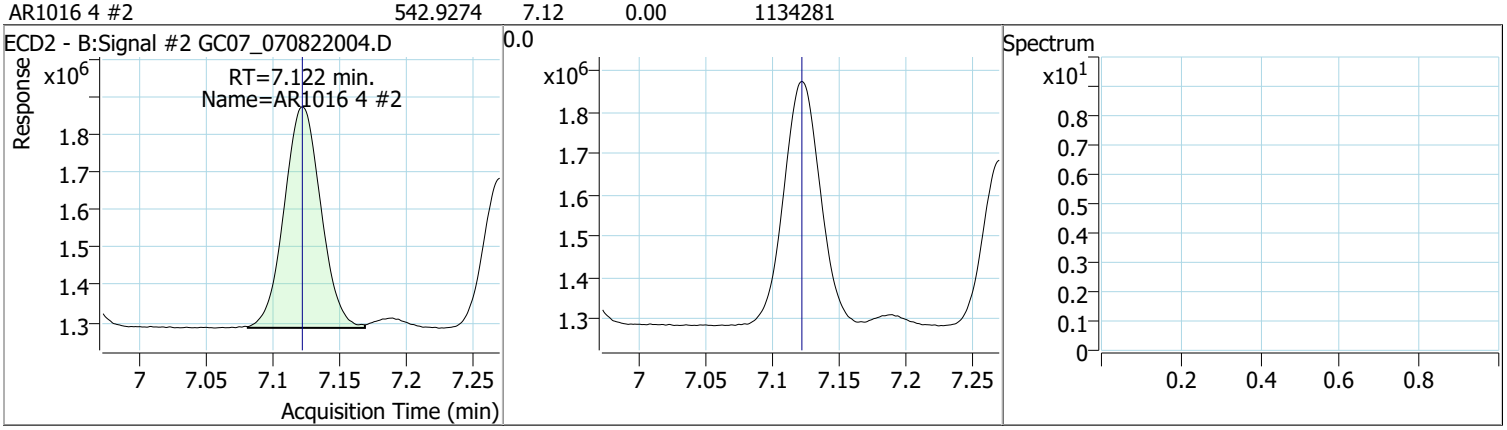
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	517.4403	6.93	0.00	3253543				



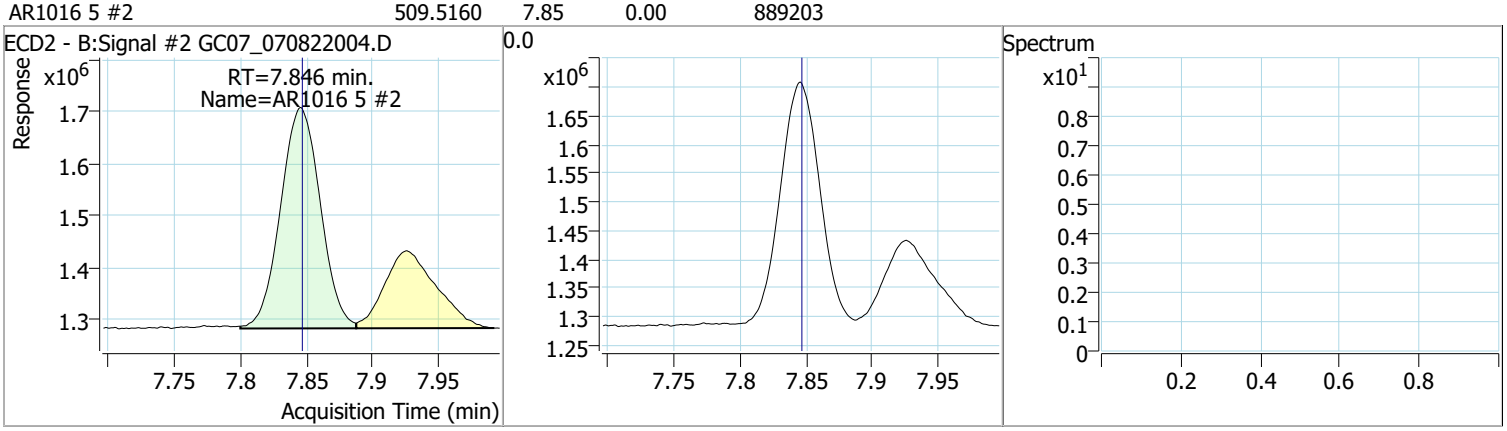
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	523.5867	6.94	0.00	1576088				



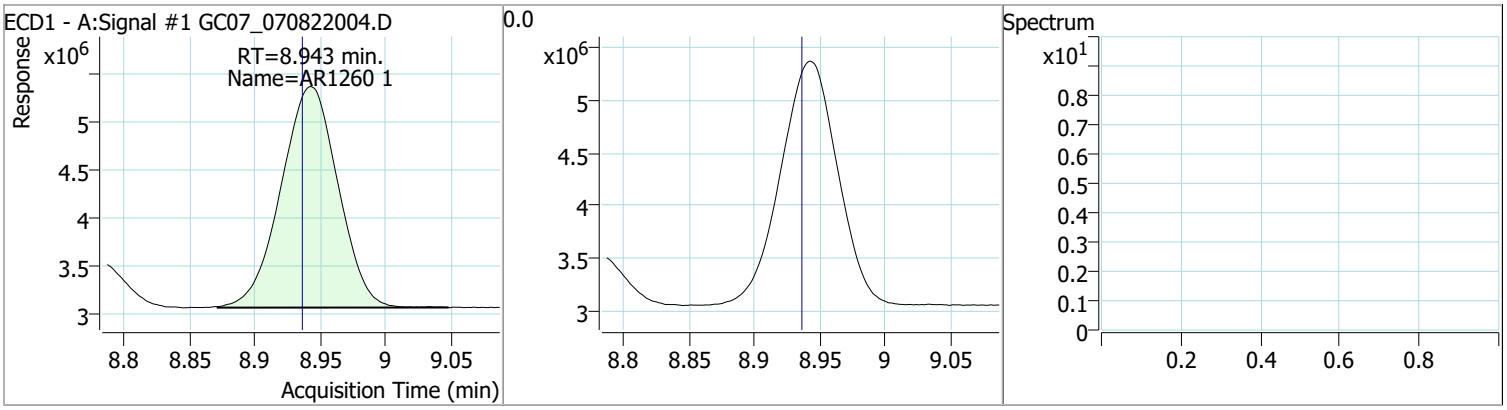
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	542.9274	7.12	0.00	1134281				



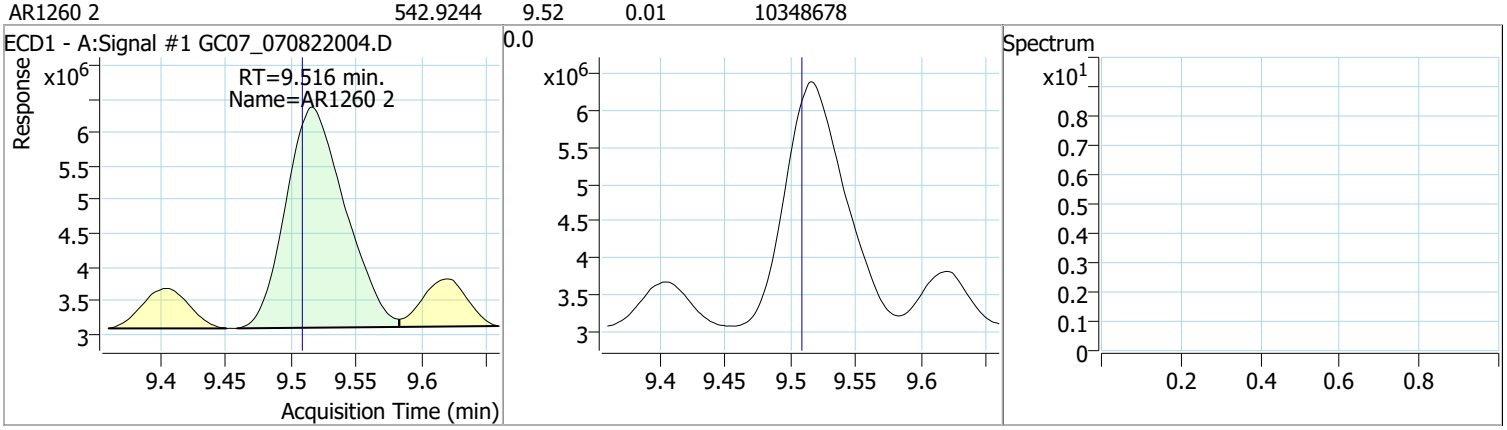
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	509.5160	7.85	0.00	889203				



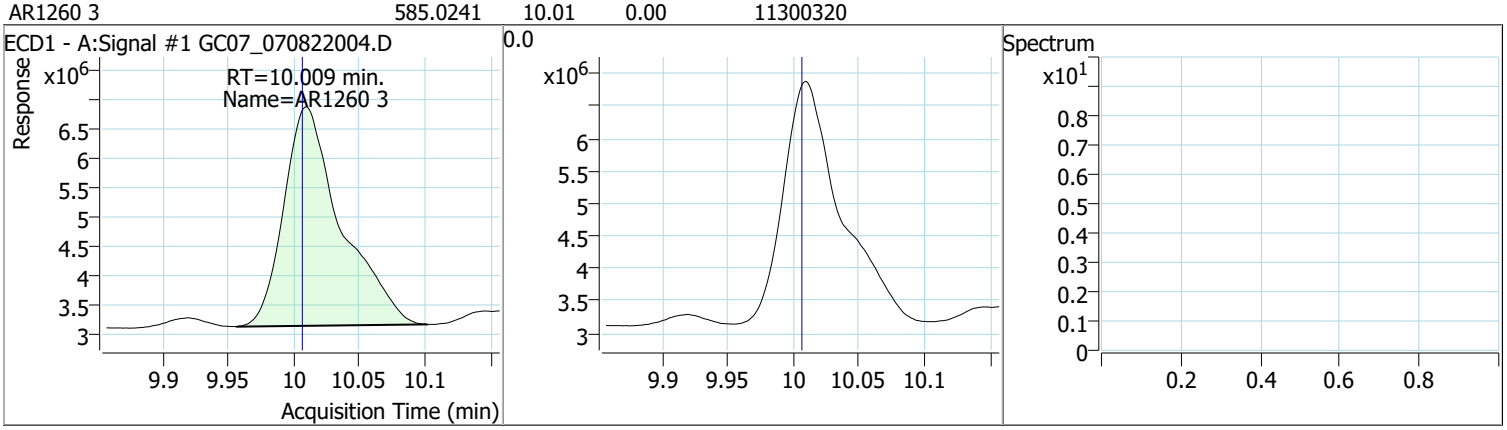
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	528.0291	8.94	0.00	7011278				



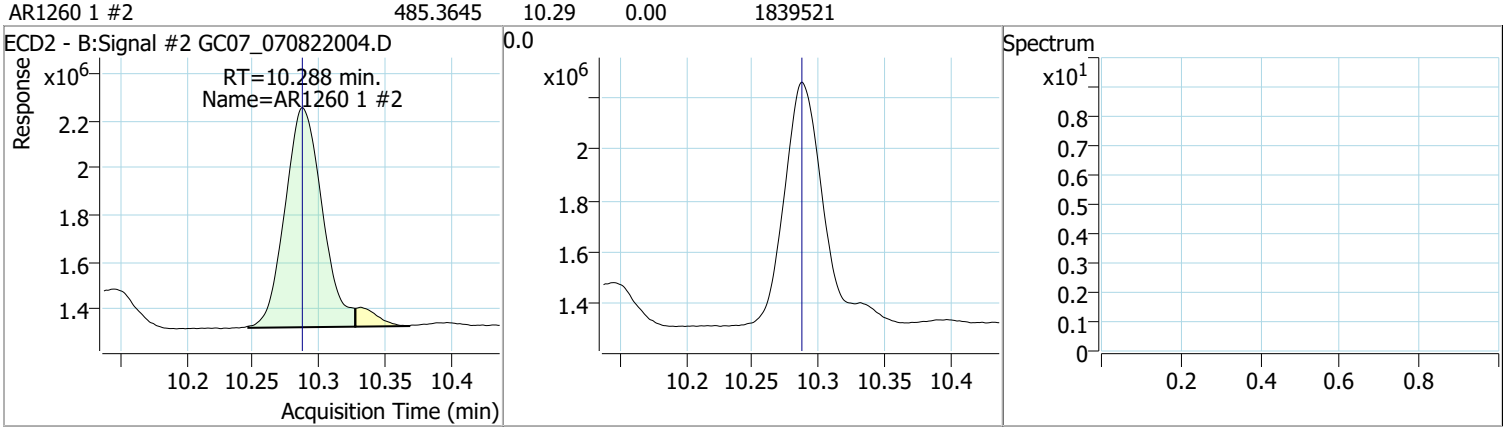
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	542.9244	9.52	0.01	10348678				



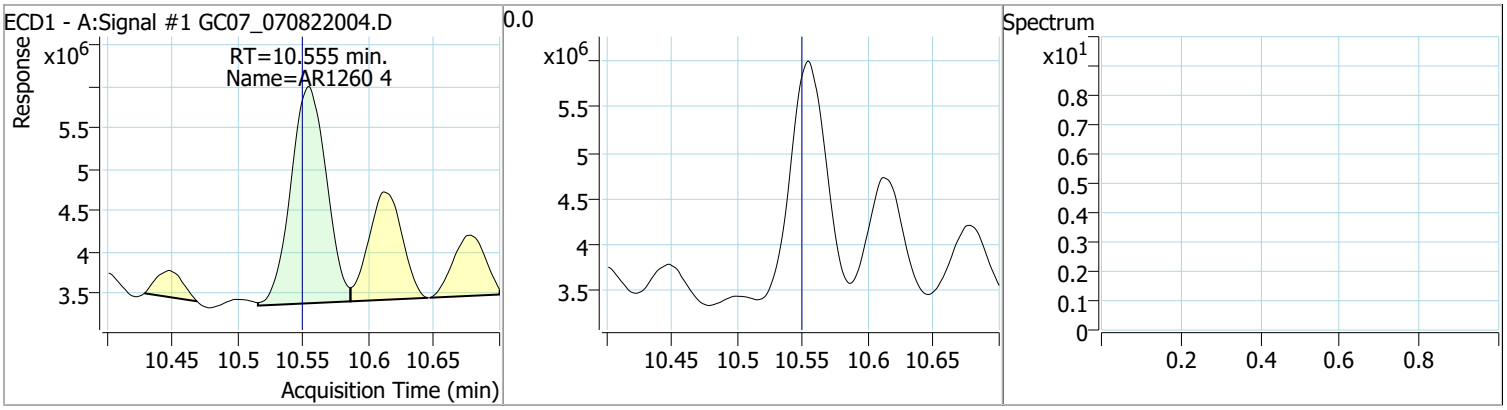
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	585.0241	10.01	0.00	11300320				



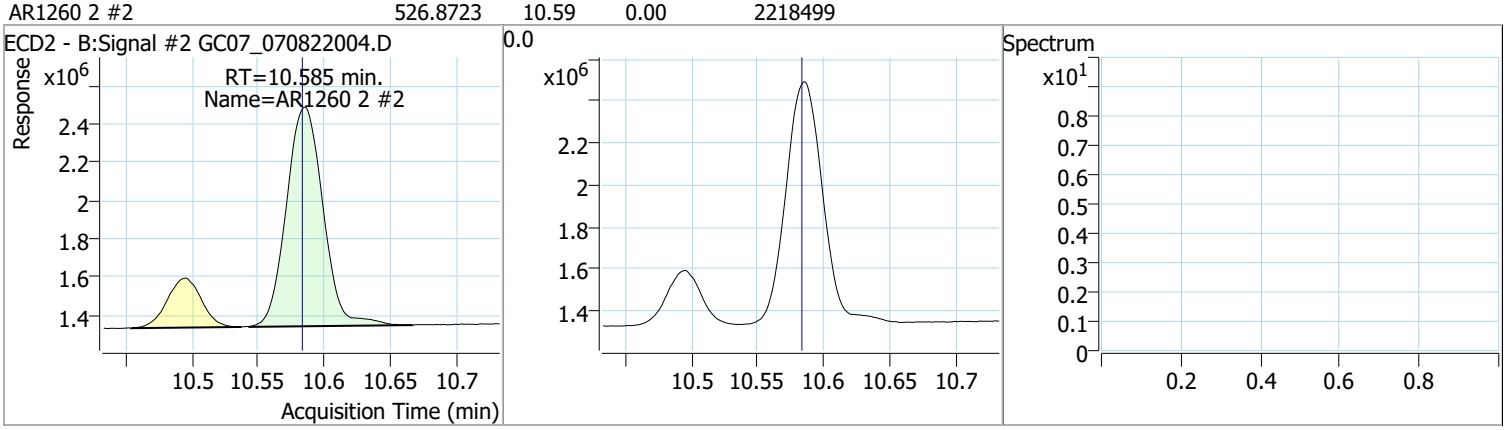
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	485.3645	10.29	0.00	1839521				



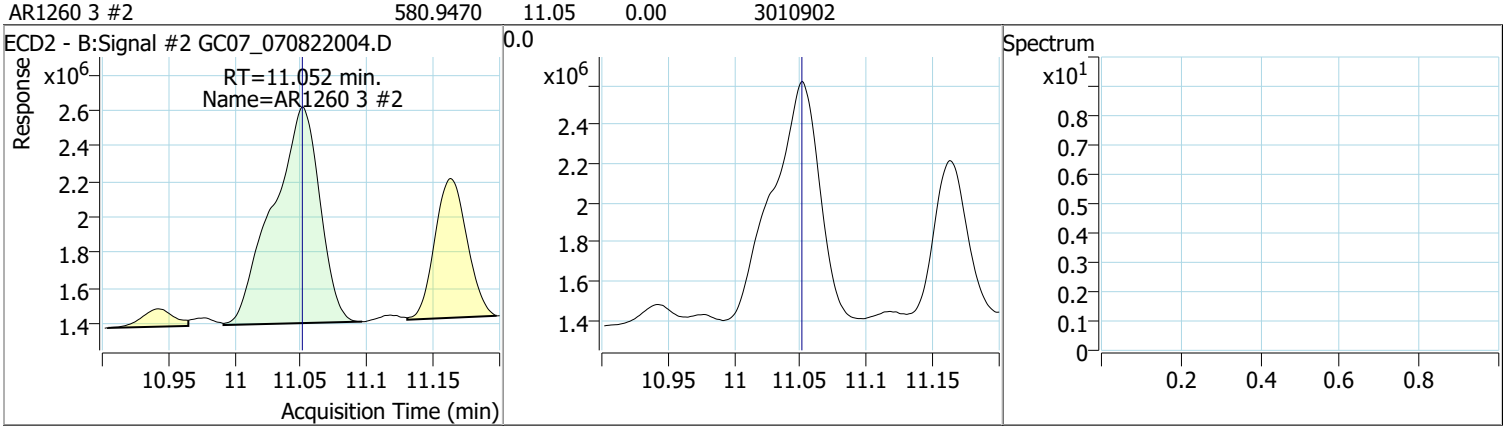
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	503.3520	10.56	0.00	4970346				



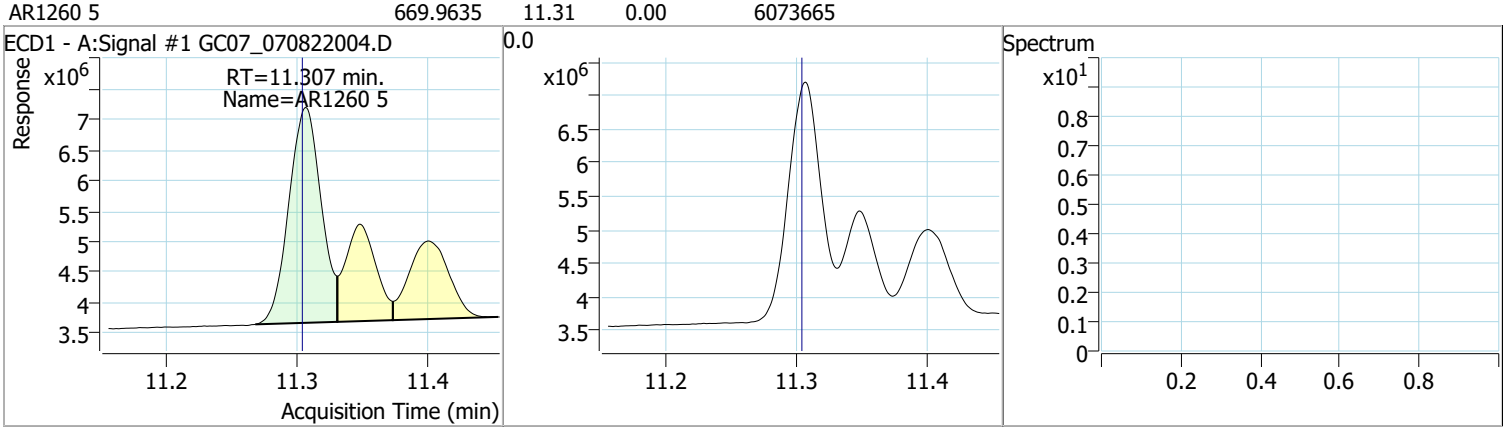
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	526.8723	10.59	0.00	2218499				



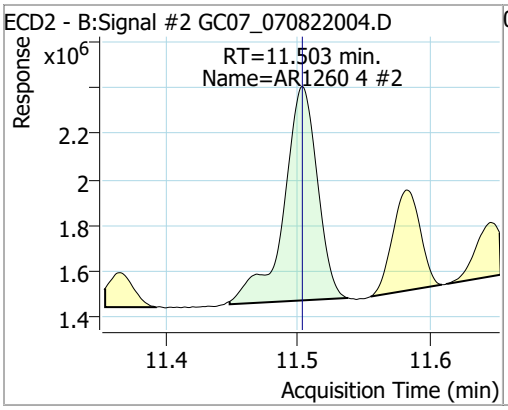
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	580.9470	11.05	0.00	3010902				

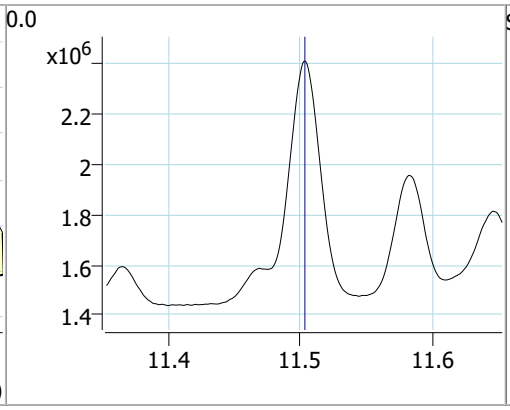


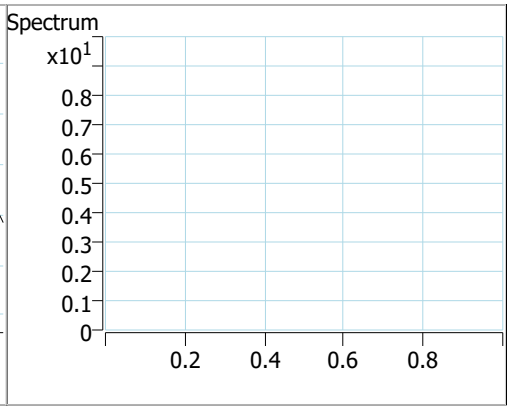
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	669.9635	11.31	0.00	6073665				



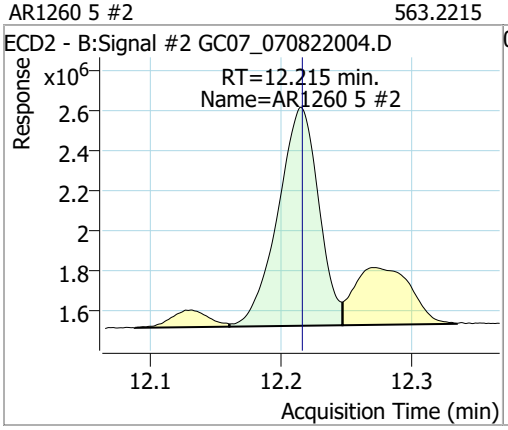
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	571.4919	11.50	0.00	1661805				

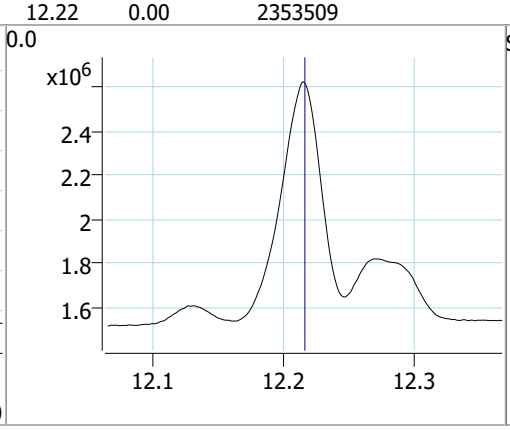


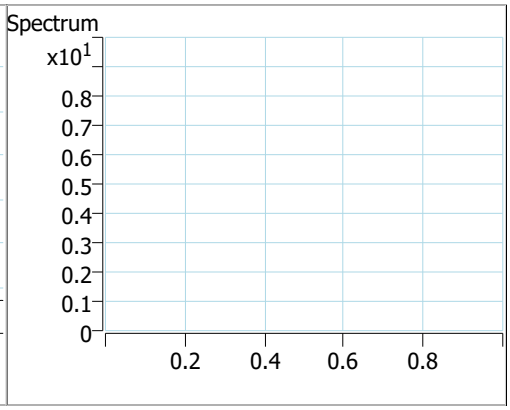




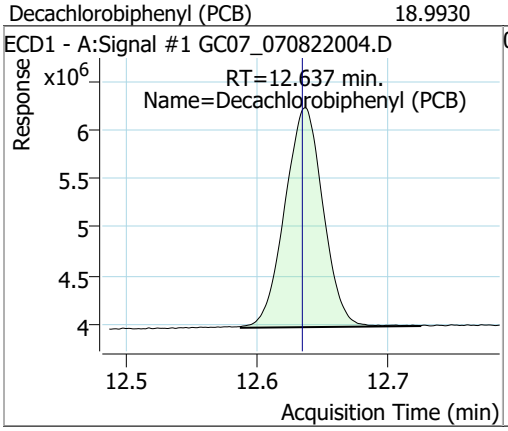
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	563.2215	12.22	0.00	2353509				

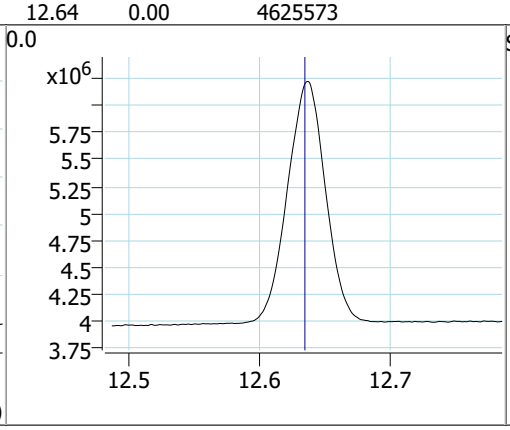


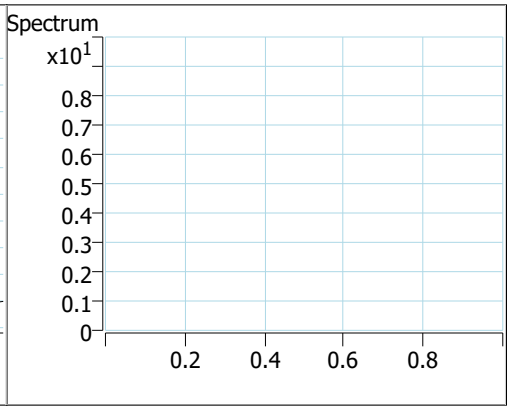




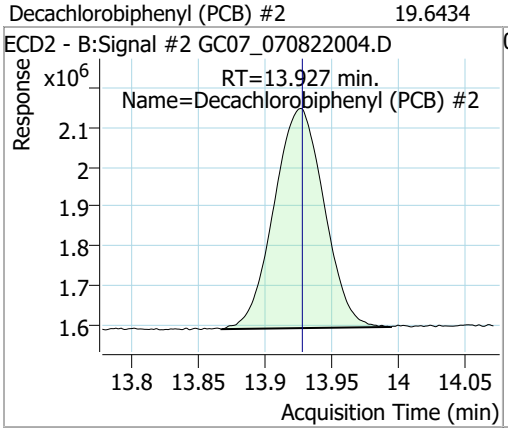
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	18.9930	12.64	0.00	4625573				

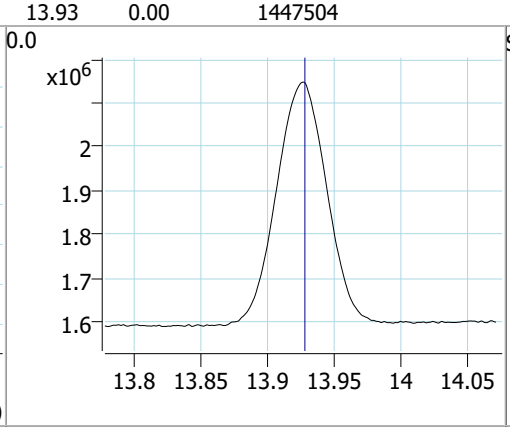


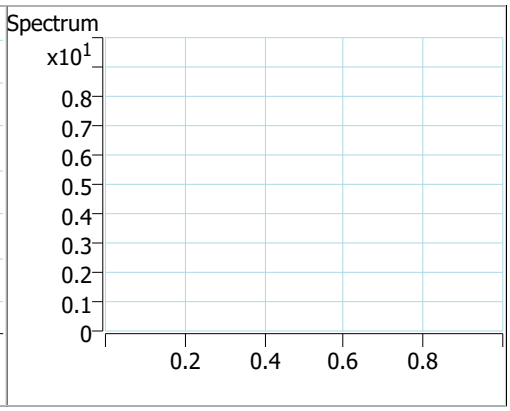




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	19.6434	13.93	0.00	1447504				







Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 465035
Report Level: IV
Report Date: 01/21/2023

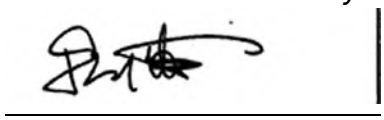
Metals

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	465035
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	06/29/22

Sample ID	Lab ID	Collected	Matrix
DOOR-N-0.1GW-INT-26 TO 27-220628-L-CB	465035-002	06/28/22 09:19	Wipe
DOOR-N-0.1GW-INT-26 TO 27-220628-L-DUP-CB	465035-003	06/28/22 09:19	Wipe
DOOR-N-0.2GW-EXT-10 TO 11-220628-L-CB	465035-005	06/28/22 12:39	Wipe
DOOR-N-0.3GW-INT-25 TO 26-220628-L-CB	465035-007	06/28/22 12:49	Wipe
DOOR-N-0.5GW-DG-12 TO 26-220628-L-LA	465035-009	06/28/22 09:37	Wipe
DOOR-N-0.7GW-EXT-11 TO 12-220628-L-CB	465035-011	06/28/22 09:53	Wipe
DOOR-N-0.9GW-INT-25 TO 26-220628-L-CB	465035-013	06/28/22 13:11	Wipe
DOOR-N-0.3GE-DG-12 TO 25-220628-L-LA	465035-015	06/28/22 10:43	Wipe
DOOR-N-0.5GE-DG-11 TO 25-220628-L-LA	465035-017	06/28/22 13:41	Wipe
DOOR-N-0.8GE-EXT-10 TO 11-220628-L-CB	465035-019	06/28/22 13:27	Wipe
DOOR-N-0.9GE-DG-12 TO 26-220628-L-LA	465035-021	06/28/22 10:27	Wipe
DOOR-N-0.9GE-PS-25-220628-L-LA	465035-024	06/28/22 10:05	Wipe
220628-L-MEDBLANK	465035-026	06/28/22 15:46	Wipe

Case Narrative

METALS (EPA 6010B)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 465035 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 06/29/22

This data package contains sample and QC results for thirteen wipe samples, requested for the above referenced project on 06/29/22. See attached cooler receipt form for any sample receipt problems or discrepancies.

Metals (EPA 6010B):

No analytical problems were encountered.

Chain of Custody

465035

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim and T. Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	DOOR-N-0.1GW-INT-26 TO 27-220628-P-CB	6/28/2022	0919	WP	1		X			**Confirmation Wipe Samples - Level II Report/Stage 2A Validation**
2	DOOR-N-0.1GW-INT-26 TO 27-220628-L-CB	6/28/2022	0919	WP	1			X		Report PCB concentrations on a µg/100cm² basis
3	DOOR-N-0.1GW-INT-26 TO 27-220628-L-DUP-CB	6/28/2022	0919	WP	1			X		Report lead concentrations on a µg/ft² basis
4	DOOR-N-0.2GW-EXT-10 TO 11-220628-P-CB	6/28/2022	1239	WP	1		X			Report Aroclor 1268 concentrations in addition to the standard Aroclors
5	DOOR-N-0.2GW-EXT-10 TO 11-220628-L-CB	6/28/2022	1239	WP	1			X		Report requires Stage 3 Data Validation
6	DOOR-N-0.3GW-INT-25 TO 26-220628-P-CB	6/28/2022	1249	WP	1		X			
7	DOOR-N-0.3GW-INT-25 TO 26-220628-L-CB	6/28/2022	1249	WP	1			X		
8	DOOR-N-0.5GW-DG-12 TO 26-220628-P-LA	6/28/2022	0937	WP	1		X			
9	DOOR-N-0.5GW-DG-12 TO 26-220628-L-LA	6/28/2022	0937	WP	1			X		Total sample area: 1.0276 ft²
10	DOOR-N-0.7GW-EXT-11 TO 12-220628-P-CB	6/28/2022	0953	WP	1		X			
11	DOOR-N-0.7GW-EXT-11 TO 12-220628-L-CB	6/28/2022	0953	WP	1			X		
12	DOOR-N-0.9GW-INT-25 TO 26-220628-P-CB	6/28/2022	1311	WP	1		X			
13	DOOR-N-0.9GW-INT-25 TO 26-220628-L-CB	6/28/2022	1311	WP	1			X		
14	DOOR-N-0.3GE-DG-12 TO 25-220628-P-LA	6/28/2022	1043	WP	1		X			
15	DOOR-N-0.3GE-DG-12 TO 25-220628-L-LA	6/28/2022	1043	WP	1			X		Total sample area: 1.0276 ft²

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Tyler Sinnott	Rincon / Envi. Scientist	6/29/22 / 1144
[1] Received By:	Audrey Hudson	Audrey Hudson	EA	6/29/22 11:44
[2] Relinquished By:	Audrey Hudson	Audrey Hudson	EA	6/29/22 15:45
[2] Received By:		Maxwell	B&A	6/29/22 15:45
[3] Relinquished By:		Lisa Fang	EA	6/29/22 17:42
[3] Received By:		Yakir	ea	6/30/2022 08:20

465035

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim and T. Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B								HOLD	Test Instructions / Comments
16	DOOR-N-0.5GE-DG-11 TO 25-220628-P-LA	6/28/2022	1341	WP	1		X										
17	DOOR-N-0.5GE-DG-11 TO 25-220628-L-LA	6/28/2022	1341	WP	1			X									Total sample area: 1.0276 ft²
18	DOOR-N-0.8GE-EXT-10 TO 11-220628-P-CB	6/28/2022	1327	WP	1		X										
19	DOOR-N-0.8GE-EXT-10 TO 11-220628-L-CB	6/28/2022	1327	WP	1			X									
20	DOOR-N-0.9GE-DG-12 TO 26-220628-P-LA	6/28/2022	1027	WP	1		X										
21	DOOR-N-0.9GE-DG-12 TO 26-220628-L-LA	6/28/2022	1027	WP	1			X									Total sample area: 1.0276 ft²
22	DOOR-N-0.9GE-PS-25-220628-P-LA	6/28/2022	1005	WP	1		X										
23	DOOR-N-0.9GE-PS-25-220628-P-DUP-LA	6/28/2022	1005	WP	1		X										
24	DOOR-N-0.9GE-PS-25-220628-L-LA	6/28/2022	1005	WP	1			X									Total sample area: 1.0276 ft²
25	220628-P-MEDBLANK	6/28/2022	1545	WP	1		X										
26	220628-L-MEDBLANK	6/28/2022	1546	WP	1			X									
27																	
28																	
29																	
30																	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	[signature]	Tyler Sinnott	Rincon / Envi. Scientist	6/29/22 / 1144
[1] Received By:	[signature]	ANDREW HUDSON	ENTHALPY	6/29/22 11:44
[2] Relinquished By:	[signature]	"	"	6/29/22 15:45
[2] Received By:	[signature]	[illegible]	BA	6/29/22 15:45
[3] Relinquished By:	[signature]	[illegible]	FEDEX	6/30/22 17:42
[3] Received By:	[signature]	[illegible]	[illegible]	6/30/22 08:20

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 465035 Client: Ramcon

Date Received: 6/24/22 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No (**skip Section 3 below**)

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☑ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 6/29/22 By (print) MY (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☐ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: 5.4, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 6/29/22 **By (print)** MY **(sign)** _____

Date Labeled 6/29/22 **By (print)** LEP **(sign)** _____

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon

Project: Hangar 1 - NCTRA WP

Date Received: 6/30/2022

Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 4.5 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: Greyhound

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.4 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Yanitz Date: 6/30/2022

$/4.5

9/1.4

Results & QC Summary

ENTHALPY ANALYTICAL

Lead

Lab #: 465035 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.1GW-INT-26 TO 27-220628-L-CB **Batch#:** 292194 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/28/22 **Analysis:** EPA 6010B
Lab ID: 465035-002 **Received:** 06/29/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/30/22
Diln Fac: 1.000 **Analyzed:** 06/30/22

Analyte	Result	RL	Units
Lead	**93**	1.0	ug/ft2

Field ID: DOOR-N-0.1GW-INT-26 TO 27-220628-L-DUP-CB **Batch#:** 292194 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/28/22 **Analysis:** EPA 6010B
Lab ID: 465035-003 **Received:** 06/29/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/30/22
Diln Fac: 1.000 **Analyzed:** 06/30/22

Analyte	Result	RL	Units
Lead	**55**	1.0	ug/ft2

Field ID: DOOR-N-0.2GW-EXT-10 TO 11-220628-L-CB **Batch#:** 292194 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/28/22 **Analysis:** EPA 6010B
Lab ID: 465035-005 **Received:** 06/29/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/30/22
Diln Fac: 1.000 **Analyzed:** 06/30/22

Analyte	Result	RL	Units
Lead	**25**	1.0	ug/ft2

Field ID: DOOR-N-0.3GW-INT-25 TO 26-220628-L-CB **Batch#:** 292194 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/28/22 **Analysis:** EPA 6010B
Lab ID: 465035-007 **Received:** 06/29/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/30/22
Diln Fac: 1.000 **Analyzed:** 06/30/22

Analyte	Result	RL	Units
Lead	**110**	1.0	ug/ft2

Field ID: DOOR-N-0.5GW-DG-12 TO 26-220628-L-LA **Batch#:** 292194 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/28/22 **Analysis:** EPA 6010B
Lab ID: 465035-009 **Received:** 06/29/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/30/22
Diln Fac: 1.000 **Analyzed:** 06/30/22

Analyte	Result	RL	Units
Lead	**81**	0.97	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 465035 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.7GW-EXT-11 TO 12-220628-L-CB **Batch#:** 292194 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/28/22 **Analysis:** EPA 6010B
Lab ID: 465035-011 **Received:** 06/29/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/30/22
Diln Fac: 1.000 **Analyzed:** 06/30/22

Analyte	Result	RL	Units
Lead	**130**	1.0	ug/ft2

Field ID: DOOR-N-0.9GW-INT-25 TO 26-220628-L-CB **Batch#:** 292194 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/28/22 **Analysis:** EPA 6010B
Lab ID: 465035-013 **Received:** 06/29/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/30/22
Diln Fac: 1.000 **Analyzed:** 06/30/22

Analyte	Result	RL	Units
Lead	**280**	1.0	ug/ft2

Field ID: DOOR-N-0.3GE-DG-12 TO 25-220628-L-LA **Batch#:** 292194 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/28/22 **Analysis:** EPA 6010B
Lab ID: 465035-015 **Received:** 06/29/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/30/22
Diln Fac: 1.000 **Analyzed:** 06/30/22

Analyte	Result	RL	Units
Lead	**30**	0.97	ug/ft2

Field ID: DOOR-N-0.5GE-DG-11 TO 25-220628-L-LA **Batch#:** 292194 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/28/22 **Analysis:** EPA 6010B
Lab ID: 465035-017 **Received:** 06/29/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/30/22
Diln Fac: 1.000 **Analyzed:** 06/30/22

Analyte	Result	RL	Units
Lead	**33**	0.97	ug/ft2

Field ID: DOOR-N-0.8GE-EXT-10 TO 11-220628-L-CB **Batch#:** 292194 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/28/22 **Analysis:** EPA 6010B
Lab ID: 465035-019 **Received:** 06/29/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/30/22
Diln Fac: 1.000 **Analyzed:** 06/30/22

Analyte	Result	RL	Units
Lead	**23**	1.0	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 465035 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.9GE-DG-12 TO 26-220628-L-LA **Batch#:** 292194 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/28/22 **Analysis:** EPA 6010B
Lab ID: 465035-021 **Received:** 06/29/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/30/22
Diln Fac: 1.000 **Analyzed:** 06/30/22

Analyte	Result	RL	Units
Lead	**60**	0.97	ug/ft2

Field ID: DOOR-N-0.9GE-PS-25-220628-L-LA **Batch#:** 292194 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/28/22 **Analysis:** EPA 6010B
Lab ID: 465035-024 **Received:** 06/29/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/30/22
Diln Fac: 1.000 **Analyzed:** 06/30/22

Analyte	Result	RL	Units
Lead	**63**	0.97	ug/ft2

Field ID: 220628-L-MEDBLANK **Batch#:** 292194 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/28/22 **Analysis:** EPA 6010B
Lab ID: 465035-026 **Received:** 06/29/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/30/22
Diln Fac: 1.000 **Analyzed:** 06/30/22

Analyte	Result	RL	Units
Lead	ND	1.0	ug/ft2

Type: BLANK **Batch#:** 292194 **Analysis:** EPA 6010B
Lab ID: QC997995 **Prepared:** 06/30/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 06/30/22
Diln Fac: 1.000 **Prep:** EPA 3050B

Analyte	Result	RL	Units
Lead	ND	1.0	ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 465035 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 292194 **Analysis:** EPA 6010B

Lab ID: QC997996 **Prepared:** 06/30/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 06/30/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	111.1	111	80-120	ug/ft2

Type: BSD **Batch#:** 292194 **Analysis:** EPA 6010B

Lab ID: QC997997 **Prepared:** 06/30/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 06/30/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	109.8	110	80-120	ug/ft2	1	20

Legend

RPD: Relative Percent Difference

REPORTING SUMMARY FOR 465035 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	PB	
465035-002	MET06	06/30/22 17:05	1.0	+	
465035-003	MET06	06/30/22 17:08	1.0	+	
465035-005	MET06	06/30/22 17:11	1.0	+	
465035-007	MET06	06/30/22 17:14	1.0	+	
465035-009	MET06	06/30/22 17:18	1.0	+	
465035-011	MET06	06/30/22 17:21	1.0	+	
465035-013	MET06	06/30/22 17:24	1.0	+	
465035-015	MET06	06/30/22 17:34	1.0	+	
465035-017	MET06	06/30/22 17:37	1.0	+	
465035-019	MET06	06/30/22 17:40	1.0	+	
465035-021	MET06	06/30/22 17:44	1.0	+	
465035-024	MET06	06/30/22 17:47	1.0	+	
465035-026	MET06	06/30/22 17:50	1.0	+	
QC997995	MET06	06/30/22 16:55	1.0	+	
QC997996	MET06	06/30/22 16:58	1.0	+	
QC997997	MET06	06/30/22 17:02	1.0	+	

Enthalpy Sequence Summary for Sequence 482261233

Instrument : MET06 Begun : 06/30/22 09:53
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master	ICALBLK	CALBLANK			06/30/22 09:53	1.0	1	
002	met06_master	ICALBLK	CALBLANK			06/30/22 09:57	1.0	1	
003	met06_master	ICAL	L1			06/30/22 10:00	1.0	2 1	
004	met06_master	ICAL	L2			06/30/22 10:03	1.0	3 1	
005	met06_master	ICAL	L3			06/30/22 10:06	1.0	4 1	
006	met06_master	ICAL	L4			06/30/22 10:10	1.0	5 1	
007	met06_master	ICAL	L5			06/30/22 10:13	1.0	6 1	
008	met06_master	ICAL	L6			06/30/22 10:16	1.0	7 1	
009	met06_master	ICAL	L7			06/30/22 10:20	1.0	8 1	
010	met06_master	ICAL	L8			06/30/22 10:23	1.0	9 1	
011	met06_master	ICV				06/30/22 10:26	1.0	10 1	
012	met06_master	CRI				06/30/22 10:30	1.0	11 1	
013	met06_master	XICB				06/30/22 10:33	1.0	1	
014	met06_master	ICSA				06/30/22 10:36	1.0	12 1	4:MGASMGCO3=1400
015	met06_master	ICSAB				06/30/22 10:39	1.0	13 1	4:MGASMGCO3=1400
016	met06_master	XBLANK	QC997849	Drinking Water	292151	06/30/22 10:43	1.0	1	
017	met06_master	XMSS	464960-001	Drinking Water	292131	06/30/22 10:50	1.0	1	
018	met06_master	XMS	QC997786	Drinking Water	292131	06/30/22 10:53	1.0	1	
019	met06_master	XMSD	QC997787	Drinking Water	292131	06/30/22 10:56	1.0	1	
020	met06_master	XCCV				06/30/22 11:03	1.0	10 1	
021	met06_master	ICB				06/30/22 11:10	1.0	1	
022	met06_master	MSS	464960-001	Drinking Water	292131	06/30/22 11:13	1.0	1	
023	met06_master	MS	QC997786	Drinking Water	292131	06/30/22 11:16	1.0	1	
024	met06_master	MSD	QC997787	Drinking Water	292131	06/30/22 11:20	1.0	1	
025	met06_master	CCV/LCS	QC997785	Drinking Water	292131	06/30/22 11:23	1.0	10 1	
026	met06_master	CCB/MB	QC997784	Drinking Water	292131	06/30/22 11:26	1.0	1	
027	met06_master	SAMPLE	465054-001	Drinking Water	292131	06/30/22 11:32	1.0	1	
028	met06_master	SAMPLE	464406-001	TCLP Leachate	292096	06/30/22 11:39	100.0	1	
029	met06_master	CCV				06/30/22 11:42	1.0	10 1	
030	met06_master	CCB				06/30/22 11:45	1.0	1	
031	met06_master	BLANK	QC997656	Water	292083	06/30/22 12:23	1.0	1	
032	met06_master	LCS	QC997657	Water	292083	06/30/22 12:27	1.0	1	
033	met06_master	SAMPLE	464671-001	Water	292083	06/30/22 12:30	1.0	1	1:SULFUR=460
034	met06_master	MSS	464947-001	Water	292083	06/30/22 12:33	1.0	1	1:SULFUR=270
035	met06_master	MS	QC997658	Water	292083	06/30/22 12:36	1.0	1	1:SULFUR=270
036	met06_master	MSD	QC997659	Water	292083	06/30/22 12:40	1.0	1	1:SULFUR=280
037	met06_master	SAMPLE	464957-001	Water	292083	06/30/22 12:43	1.0	1	1:SULFUR=480
038	met06_master	SAMPLE	464958-001	Water	292083	06/30/22 12:46	1.0	1	1:SULFUR=470
039	met06_master	SAMPLE	464988-001	Water	292083	06/30/22 12:50	1.0	1	
040	met06_master	CCV				06/30/22 12:53	1.0	10 1	
041	met06_master	CCB				06/30/22 12:56	1.0	1	
042	met06_master	BLANK	QC997988	Wipe	292192	06/30/22 14:11	1.0	1	
043	met06_master	BS	QC997989	Wipe	292192	06/30/22 14:14	1.0	1	
044	met06_master	BSD	QC997990	Wipe	292192	06/30/22 14:17	1.0	1	
045	met06_master	SAMPLE	465031-002	Wipe	292192	06/30/22 14:20	1.0	1	
046	met06_master	SAMPLE	465031-004	Wipe	292192	06/30/22 14:24	1.0	1	
047	met06_master	SAMPLE	465031-006	Wipe	292192	06/30/22 14:27	1.0	1	
048	met06_master	BLANK	QC998001	WET Leachate	292038	06/30/22 14:30	1.0	1	
049	met06_master	BS	QC998002	WET Leachate	292038	06/30/22 14:33	1.0	1	
050	met06_master	BSD	QC998003	WET Leachate	292038	06/30/22 14:37	1.0	1	
051	met06_master	SAMPLE	464403-001	WET Leachate	292038	06/30/22 14:40	1.0	1	
052	met06_master	CCV				06/30/22 14:43	1.0	10 1	

Enthalpy Sequence Summary for Sequence 482261233

Instrument : MET06 Begun : 06/30/22 09:53
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met06_master	CCB				06/30/22 14:46	1.0	1	
054	met06_master	SAMPLE	464403-002	WET Leachate	292038	06/30/22 14:50	1.0	1	
055	met06_master	SAMPLE	464403-003	WET Leachate	292038	06/30/22 14:53	1.0	1	
056	met06_master	SAMPLE	464403-004	WET Leachate	292038	06/30/22 14:56	1.0	1	
057	met06_master	SAMPLE	464406-001	WET Leachate	292038	06/30/22 14:59	1.0	1	1:SN=79
058	met06_master	SAMPLE	464895-001	WET Leachate	292038	06/30/22 15:03	1.0	1	
059	met06_master	BLANK	QC997895	Water	292163	06/30/22 15:06	1.0	1	
060	met06_master	LCS	QC997896	Water	292163	06/30/22 15:09	1.0	1	
061	met06_master	MSS	465002-001	Water	292163	06/30/22 15:13	1.0	1	2:NA=3000
062	met06_master	MS	QC997897	Water	292163	06/30/22 15:16	1.0	1	2:NA=2900
063	met06_master	MSD	QC997898	Water	292163	06/30/22 15:19	1.0	1	2:NA=3000
064	met06_master	CCV				06/30/22 15:22	1.0	10 1	
065	met06_master	CCB				06/30/22 15:26	1.0	1	
066	met06_master	BLANK	QC997915	Water	292171	06/30/22 15:29	1.0	1	
067	met06_master	LCS	QC997916	Water	292171	06/30/22 15:32	1.0	1	
068	met06_master	SAMPLE	464990-001	Water	292171	06/30/22 15:35	1.0	1	
069	met06_master	SAMPLE	464990-002	Water	292171	06/30/22 15:39	1.0	1	1:SULFUR=330
070	met06_master	SAMPLE	464990-003	Water	292171	06/30/22 15:42	1.0	1	2:NA=1200
071	met06_master	SAMPLE	464990-004	Water	292171	06/30/22 15:45	1.0	1	3:CA=1600
072	met06_master	SAMPLE	464990-005	Water	292171	06/30/22 15:48	1.0	1	1:SULFUR=120
073	met06_master	SAMPLE	464990-006	Water	292171	06/30/22 15:52	1.0	1	2:SULFUR=130
074	met06_master	SAMPLE	464990-007	Water	292171	06/30/22 15:55	1.0	1	
075	met06_master	MSS	465040-012	Water	292171	06/30/22 15:58	1.0	1	
076	met06_master	CCV				06/30/22 16:01	1.0	10 1	
077	met06_master	CCB				06/30/22 16:05	1.0	1	
078	met06_master	LCS	QC996163	Water	291593	06/30/22 16:10	1.0	1	
079	met06_master	MSS	464334-001	Water	291593	06/30/22 16:13	1.0	1	
080	met06_master	MS	QC996166	Water	291593	06/30/22 16:16	1.0	1	
081	met06_master	MSD	QC996167	Water	291593	06/30/22 16:19	1.0	1	
082	met06_master	SAMPLE	464426-001	Water	291593	06/30/22 16:23	1.0	1	1:SULFUR=270
083	met06_master	SAMPLE	464825-001	Miscell.	291940	06/30/22 16:26	25.0	1	
084	met06_master	SAMPLE	464825-004	Miscell.	291940	06/30/22 16:29	25.0	1	
085	met06_master	MS	QC997917	Water	292171	06/30/22 16:32	1.0	1	
086	met06_master	MSD	QC997918	Water	292171	06/30/22 16:36	1.0	1	
087	met06_master	SAMPLE	465040-013	Water	292171	06/30/22 16:39	1.0	1	
088	met06_master	CCV				06/30/22 16:42	1.0	10 1	
089	met06_master	CCB				06/30/22 16:45	1.0	1	
090	met06_master	SAMPLE	465041-001	Water	292171	06/30/22 16:49	1.0	1	4:SULFUR=4800
091	met06_master	BLANK	QC997995	Wipe	292194	06/30/22 16:55	1.0	1	
092	met06_master	BS	QC997996	Wipe	292194	06/30/22 16:58	1.0	1	
093	met06_master	BSD	QC997997	Wipe	292194	06/30/22 17:02	1.0	1	
094	met06_master	SAMPLE	465035-002	Wipe	292194	06/30/22 17:05	1.0	1	
095	met06_master	SAMPLE	465035-003	Wipe	292194	06/30/22 17:08	1.0	1	
096	met06_master	SAMPLE	465035-005	Wipe	292194	06/30/22 17:11	1.0	1	
097	met06_master	SAMPLE	465035-007	Wipe	292194	06/30/22 17:14	1.0	1	
098	met06_master	SAMPLE	465035-009	Wipe	292194	06/30/22 17:18	1.0	1	
099	met06_master	SAMPLE	465035-011	Wipe	292194	06/30/22 17:21	1.0	1	
100	met06_master	SAMPLE	465035-013	Wipe	292194	06/30/22 17:24	1.0	1	
101	met06_master	CCV				06/30/22 17:27	1.0	10 1	
102	met06_master	CCB				06/30/22 17:31	1.0	1	
103	met06_master	SAMPLE	465035-015	Wipe	292194	06/30/22 17:34	1.0	1	
104	met06_master	SAMPLE	465035-017	Wipe	292194	06/30/22 17:37	1.0	1	

Enthalpy Sequence Summary for Sequence 482261233

Instrument : MET06 Begun : 06/30/22 09:53
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
105	met06_master	SAMPLE	465035-019	Wipe	292194	06/30/22 17:40	1.0	1	
106	met06_master	SAMPLE	465035-021	Wipe	292194	06/30/22 17:44	1.0	1	
107	met06_master	SAMPLE	465035-024	Wipe	292194	06/30/22 17:47	1.0	1	
108	met06_master	SAMPLE	465035-026	Wipe	292194	06/30/22 17:50	1.0	1	
109	met06_master	BLANK	QC998022	WET Leachate	292040	06/30/22 17:53	1.0	1	
110	met06_master	BLANK	QC998023	WET Leachate	292040	06/30/22 17:57	1.0	1	
111	met06_master	BLANK	QC998024	WET Leachate	292040	06/30/22 18:00	1.0	1	
112	met06_master	BS	QC998025	WET Leachate	292040	06/30/22 18:03	1.0	1	
113	met06_master	CCV				06/30/22 18:06	1.0	10 1	
114	met06_master	CCB				06/30/22 18:10	1.0	1	
115	met06_master	BSD	QC998026	WET Leachate	292040	06/30/22 18:13	1.0	1	
116	met06_master	SAMPLE	463979-001	WET Leachate	292040	06/30/22 18:16	1.0	1	
117	met06_master	XBLANK	QC998037	Filtrate	292208	06/30/22 18:19	1.0	1	
118	met06_master	XLCS	QC998038	Filtrate	292208	06/30/22 18:23	1.0	1	
119	met06_master	CCV				06/30/22 18:30	1.0	10 1	

KLN 06/30/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 1 through 65.

KLN 06/30/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 66 through 119.

Standards used: 1=S13369 2=S16950 3=S16949 4=S16948 5=S16947 6=S16645 7=S16518 8=S16675 9=S16519 10=S16870 11=S16646 12=S16520 13=S16601

Enthalpy Internal Standard Summary for Sequence 482261233

Date : 06/30/22 Reference : met06_master
Sequence : MET06 06/30/22 Analyzed : 06/30/22 09:57

#	Type	Sample ID	Y H	Y A	Y R
		ICALBLK STD	32899157	1545938	312921
		LOWER LIMIT	9869747	463781	93876
		UPPER LIMIT	65798314	3091876	625842
014	ICSA		28798978	1381831	291567
015	ICSAB		29005768	1398669	292481
021	ICB		33406842	1601278	311370
022	MSS	464960-001	34241860	1657196	321283
023	MS	QC997786	34031564	1652322	320582
024	MSD	QC997787	33981369	1652152	319987
025	CCV/LCS	QC997785	30400603	1497806	301591
026	CCB/MB	QC997784	33463200	1610107	310974
027	SAMPLE	465054-001	34551018	1679882	321295
028	SAMPLE	464406-001	35929033	1729143	327013
029	CCV		30445737	1497603	300054
030	CCB		33465777	1615249	310712
031	BLANK	QC997656	36178690	1737510	330322
032	LCS	QC997657	33387905	1635111	315653
033	SAMPLE	464671-001	30031270	1509495	308100
034	MSS	464947-001	29930726	1528459	303669
035	MS	QC997658	30094943	1511338	295389
036	MSD	QC997659	29966315	1524675	300665
037	SAMPLE	464957-001	29721204	1514999	301196
038	SAMPLE	464958-001	29815967	1524371	300464
039	SAMPLE	464988-001	32503644	1615628	310621
040	CCV		30719825	1534958	302490
041	CCB		33754327	1650947	311579
042	BLANK	QC997988	35021657	1712289	321126
043	BS	QC997989	33160162	1651666	306684
044	BSD	QC997990	33056791	1647645	306589
045	SAMPLE	465031-002	33238192	1641634	308999
046	SAMPLE	465031-004	33227821	1649325	308443
047	SAMPLE	465031-006	33144409	1645704	308063
048	BLANK	QC998001	32562309	1664198	310163
049	BS	QC998002	32346349	1650763	307743
050	BSD	QC998003	32356000	1655377	305506
051	SAMPLE	464403-001	32243808	1635052	308576
052	CCV		31092125	1591542	300966
053	CCB		34035884	1712809	309751
054	SAMPLE	464403-002	32082892	1643090	307170
055	SAMPLE	464403-003	32149853	1642862	307257
056	SAMPLE	464403-004	32011179	1636487	305830
057	SAMPLE	464406-001	32424814	1657206	307316
058	SAMPLE	464895-001	32130894	1650391	306692
059	BLANK	QC997895	33310925	1666718	308618
060	LCS	QC997896	32525025	1632780	306598
061	MSS	465002-001	24933829	1369538	279332
062	MS	QC997897	24963802	1375104	280901
063	MSD	QC997898	24930911	1371491	280377
064	CCV		31398236	1604242	303645
065	CCB		33983143	1713884	314128
066	BLANK	QC997915	33375885	1673017	308021

Enthalpy Internal Standard Summary for Sequence 482261233

Date : 06/30/22 Reference : met06_master
Sequence : MET06 06/30/22 Analyzed : 06/30/22 09:57

#	Type	Sample ID	Y H	Y A	Y R
067	LCS	QC997916	32203388	1635277	305497
068	SAMPLE	464990-001	29775685	1536365	298350
069	SAMPLE	464990-002	28929568	1511022	293810
070	SAMPLE	464990-003	27966780	1489066	291552
071	SAMPLE	464990-004	26278760	1357305	277315
072	SAMPLE	464990-005	30430977	1560557	298046
073	SAMPLE	464990-006	29552812	1506658	292825
074	SAMPLE	464990-007	31999502	1630809	301913
075	MSS	465040-012	33740015	1691882	307968
076	CCV		31385489	1621178	302979
077	CCB		34030895	1709661	311796
078	LCS	QC996163	34066714	1725608	315118
079	MSS	464334-001	34848263	1756441	318389
080	MS	QC996166	30571656	1573795	302744
081	MSD	QC996167	30660409	1584453	303827
082	SAMPLE	464426-001	31236402	1597531	305855
083	SAMPLE	464825-001	35956292	1831538	329935
084	SAMPLE	464825-004	36253927	1840512	330922
085	MS	QC997917	32103236	1642098	302464
086	MSD	QC997918	32147020	1653527	303765
087	SAMPLE	465040-013	33638191	1706064	308736
088	CCV		31413251	1614099	303036
089	CCB		34025053	1731982	312708
090	SAMPLE	465041-001	21911873	1183840	258727
091	BLANK	QC997995	33490543	1679357	305095
092	BS	QC997996	33092838	1668528	306943
093	BSD	QC997997	33152524	1665187	305048
094	SAMPLE	465035-002	33461652	1666212	307453
095	SAMPLE	465035-003	33421781	1674562	308333
096	SAMPLE	465035-005	33300276	1673493	309891
097	SAMPLE	465035-007	33149326	1667921	308204
098	SAMPLE	465035-009	33118489	1650473	305435
099	SAMPLE	465035-011	33069207	1684513	308124
100	SAMPLE	465035-013	32950842	1635330	306403
101	CCV		31377856	1600437	301413
102	CCB		35786602	1805042	322322
103	SAMPLE	465035-015	32771851	1639923	303838
104	SAMPLE	465035-017	33041723	1646477	308666
105	SAMPLE	465035-019	33212724	1640831	305280
106	SAMPLE	465035-021	32960665	1640061	306372
107	SAMPLE	465035-024	33377850	1657462	306717
108	SAMPLE	465035-026	33550715	1670649	311833
109	BLANK	QC998022	32443762	1659001	305497
110	BLANK	QC998023	32254221	1649773	306586
111	BLANK	QC998024	32383564	1653905	305913
112	BS	QC998025	32122862	1646001	307576
113	CCV		30980694	1579353	300008
114	CCB		35422694	1795826	322789
115	BSD	QC998026	31922919	1616869	304222
116	SAMPLE	463979-001	32002218	1637818	305966
119	CCV		30789611	1551262	297109

ENTHALPY INITIAL CALIBRATION FOR 465035 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	482261233001	Date:	30-JUN-2022 09:57
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master	482261233003	L1	30-JUN-2022 10:00	S16950, S13369 (100X)
L2	met06_master	482261233004	L2	30-JUN-2022 10:03	S16949, S13369 (100X)
L3	met06_master	482261233005	L3	30-JUN-2022 10:06	S16948, S13369 (100X)
L4	met06_master	482261233006	L4	30-JUN-2022 10:10	S16947, S13369 (100X)

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	0.0218	0.0344	0.0340	0.0319	WB1K	3.72E-4	31.3040		0.0305	1.000		5	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
WB1K: Linear regression with ICALBLK weighting factor of 1000

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D
Lead	A	0.0033	**-21**	0.1000	8	1.0000	6	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 465035 METALS Wipe
EPA 6010B

Inst : MET06
Calnum : 482261233001 Cal Date : 30-JUN-2022

ICV 482261233011 (30-JUN-2022) stds: S16870, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	0.9557	mg/l	-4	

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 465035 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482261233014 File : met06_master Time : 30-JUN-2022 10:36
Cal : 482261233001 Caldate : 30-JUN-2022
Standards: S16520, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.01513]	0.003333	mg/l	a- ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	146.6	mg/l	92	
Iron as Fe2O3	A	228.8	209.7	mg/l	92	
Aluminum	R	400.0	382.8	mg/l	96	
Aluminum as Al2O3	R	755.8	723.3	mg/l	96	
Calcium	R	400.0	387.0	mg/l	97	
Calcium as CaCO3	R	998.9	966.4	mg/l	97	
Magnesium	R	400.0	416.8	mg/l	104	
Magnesium as MgCO3	R	1388	1446	mg/l	104	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	32899157	28798978	-12.46
Yttrium	A	1545938	1381831	-10.62
Yttrium	R	312921	291567	-6.82

-=low bias a=ICSA

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 465035 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482261233015 File : met06_master Time : 30-JUN-2022 10:39
Cal : 482261233001 Caldate : 30-JUN-2022
Standards: S16601, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	0.9725	mg/l	-3	20	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	32899157	29005768	-11.83
Yttrium	A	1545938	1398669	-9.53
Yttrium	R	312921	292481	-6.53

ENTHALPY INSTRUMENT BLANK FOR 465035 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482261233021 File : met06_master Time : 30-JUN-2022 11:10
Cal : 482261233001 Caldate : 30-JUN-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	32899157	33406842	1.54
Yttrium	A	1545938	1601278	3.58
Yttrium	R	312921	311370	-0.50

ENTHALPY CONTINUING CALIBRATION FOR 465035 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482261233088 File : met06_master Time : 30-JUN-2022 16:42
Cal : 482261233001 Caldate : 30-JUN-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0305	0.0333	1.000	1.041	mg/l	4	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	32899157	31413251	-4.52
Yttrium	A	1545938	1614099	4.41
Yttrium	R	312921	303036	-3.16

ENTHALPY INSTRUMENT BLANK FOR 465035 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482261233089 File : met06_master Time : 30-JUN-2022 16:45
Cal : 482261233001 Caldate : 30-JUN-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	32899157	34025053	3.42
Yttrium	A	1545938	1731982	12.03
Yttrium	R	312921	312708	-0.07

ENTHALPY CONTINUING CALIBRATION FOR 465035 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482261233101 File : met06_master Time : 30-JUN-2022 17:27
Cal : 482261233001 Caldate : 30-JUN-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0305	0.0329	1.000	1.030	mg/l	3	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	32899157	31377856	-4.62
Yttrium	A	1545938	1600437	3.53
Yttrium	R	312921	301413	-3.68

ENTHALPY INSTRUMENT BLANK FOR 465035 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482261233102 File : met06_master Time : 30-JUN-2022 17:31
Cal : 482261233001 Caldate : 30-JUN-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	32899157	35786602	8.78
Yttrium	A	1545938	1805042	16.76
Yttrium	R	312921	322322	3.00

ENTHALPY CONTINUING CALIBRATION FOR 465035 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482261233113 File : met06_master Time : 30-JUN-2022 18:06
Cal : 482261233001 Caldate : 30-JUN-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0305	0.0329	1.000	1.031	mg/l	3	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	32899157	30980694	-5.83
Yttrium	A	1545938	1579353	2.16
Yttrium	R	312921	300008	-4.13

ENTHALPY INSTRUMENT BLANK FOR 465035 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482261233114 File : met06_master Time : 30-JUN-2022 18:10
Cal : 482261233001 Caldate : 30-JUN-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	32899157	35422694	7.67
Yttrium	A	1545938	1795826	16.16
Yttrium	R	312921	322789	3.15

SAMPLE PREPARATION SUMMARY

Batch # : 292194 Analysis : ICP
Started By : DLS Prep Date : 30-JUN-2022 13:36 Finished By : DLS
Method : 3050B Units : ft2
Spike #1 ID : S16855 Spike #2 ID : S16906

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
465035-002		Wipe	1	100	1	100.0						6010	
465035-003		Wipe	1	100	1	100.0						6010	
465035-005		Wipe	1	100	1	100.0						6010	
465035-007		Wipe	1	100	1	100.0						6010	
465035-009		Wipe	1.0276	100	1	97.31						6010	
465035-011		Wipe	1	100	1	100.0						6010	
465035-013		Wipe	1	100	1	100.0						6010	
465035-015		Wipe	1.0276	100	1	97.31						6010	
465035-017		Wipe	1.0276	100	1	97.31						6010	
465035-019		Wipe	1	100	1	100.0						6010	
465035-021		Wipe	1.0276	100	1	97.31						6010	
465035-024		Wipe	1.0276	100	1	97.31						6010	
465035-026		Wipe	1	100	1	100.0						6010	
QC997995	BLANK	Wipe	1	100	1	100.0						ICP	
QC997996	BS	Wipe	1	100	1	100.0		1	1			ICP	
QC997997	BSD	Wipe	1	100	1	100.0		1	1			ICP	

SBW: 06/30/22 KLN: 06/30/22 SLL: 06/30/22

ICP Prep Log

Initials: RS Prep Method: 3050B / 3010A / 200.7 / STLC QC Batch #: 292194 Thermometer ID: 91862S

Prep Start, Date/Time: 6/30/22 13:36 Prep End, Date/Time: 6/30/22 14:43 HotBlock Temperature, °C: 96

HotBlock ID: 3

Sample ID	Bottle #	Sample pH (Water Only)	Sample Appearance	Initial Vol. or Weight (mL or g)	Bal. ID	Final Vol (mL) @ 6/30/22	Digestion Tube Lot#	Comment
Blank	-----	-----	-----	NA	NA	5.00	ML20150000077	
LCS	-----	-----	-----	↓	↓	↓	↓	
LCSD	—	—	—	↓	↓	↓	↓	
465035-2	A	NA	wipe	1 wipe	↓	↓	↓	
-3	A	↓	↓	↓	↓	↓	↓	
-5	A	↓	↓	↓	↓	↓	↓	
-7	A	↓	↓	↓	↓	↓	↓	
-9	A	↓	↓	↓	↓	↓	↓	
-11	A	↓	↓	↓	↓	↓	↓	
-13	A	↓	↓	↓	↓	↓	↓	
-15	A	↓	↓	↓	↓	↓	↓	
-17	A	↓	↓	↓	↓	↓	↓	
-19	A	↓	↓	↓	↓	↓	↓	
-21	A	↓	↓	↓	↓	↓	↓	
-24	A	↓	↓	↓	↓	↓	↓	
-26	A	↓	↓	↓	↓	↓	↓	

RS 6/30/22

Hydrochloric Acid ID: 10mL 22050192

Nitric Acid ID: 10mL 2021112977

H_2O_2 ID: 5mL 21CC1

LCS Spike ID: 1mL-S16855/S16926

MS/MSD Spike ID: NA

ICP Raw Data

Enthalpy Sequence Summary for Sequence 482261233

Instrument : MET06 Begun : 06/30/22 09:53
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master	ICALBLK	CALBLANK			06/30/22 09:53	1.0	1	
002	met06_master	ICALBLK	CALBLANK			06/30/22 09:57	1.0	1	
003	met06_master	ICAL	L1			06/30/22 10:00	1.0	2 1	
004	met06_master	ICAL	L2			06/30/22 10:03	1.0	3 1	
005	met06_master	ICAL	L3			06/30/22 10:06	1.0	4 1	
006	met06_master	ICAL	L4			06/30/22 10:10	1.0	5 1	
007	met06_master	ICAL	L5			06/30/22 10:13	1.0	6 1	
008	met06_master	ICAL	L6			06/30/22 10:16	1.0	7 1	
009	met06_master	ICAL	L7			06/30/22 10:20	1.0	8 1	
010	met06_master	ICAL	L8			06/30/22 10:23	1.0	9 1	
011	met06_master	ICV				06/30/22 10:26	1.0	10 1	
012	met06_master	CRI				06/30/22 10:30	1.0	11 1	
013	met06_master	XICB				06/30/22 10:33	1.0	1	
014	met06_master	ICSA				06/30/22 10:36	1.0	12 1	4:MGASMGCO3=1400
015	met06_master	ICSAB				06/30/22 10:39	1.0	13 1	4:MGASMGCO3=1400
016	met06_master	XBLANK	QC997849	Drinking Water	292151	06/30/22 10:43	1.0	1	
017	met06_master	XMSS	464960-001	Drinking Water	292131	06/30/22 10:50	1.0	1	
018	met06_master	XMS	QC997786	Drinking Water	292131	06/30/22 10:53	1.0	1	
019	met06_master	XMSD	QC997787	Drinking Water	292131	06/30/22 10:56	1.0	1	
020	met06_master	XCCV				06/30/22 11:03	1.0	10 1	
021	met06_master	ICB				06/30/22 11:10	1.0	1	
022	met06_master	MSS	464960-001	Drinking Water	292131	06/30/22 11:13	1.0	1	
023	met06_master	MS	QC997786	Drinking Water	292131	06/30/22 11:16	1.0	1	
024	met06_master	MSD	QC997787	Drinking Water	292131	06/30/22 11:20	1.0	1	
025	met06_master	CCV/LCS	QC997785	Drinking Water	292131	06/30/22 11:23	1.0	10 1	
026	met06_master	CCB/MB	QC997784	Drinking Water	292131	06/30/22 11:26	1.0	1	
027	met06_master	SAMPLE	465054-001	Drinking Water	292131	06/30/22 11:32	1.0	1	
028	met06_master	SAMPLE	464406-001	TCLP Leachate	292096	06/30/22 11:39	100.0	1	
029	met06_master	CCV				06/30/22 11:42	1.0	10 1	
030	met06_master	CCB				06/30/22 11:45	1.0	1	
031	met06_master	BLANK	QC997656	Water	292083	06/30/22 12:23	1.0	1	
032	met06_master	LCS	QC997657	Water	292083	06/30/22 12:27	1.0	1	
033	met06_master	SAMPLE	464671-001	Water	292083	06/30/22 12:30	1.0	1	1:SULFUR=460
034	met06_master	MSS	464947-001	Water	292083	06/30/22 12:33	1.0	1	1:SULFUR=270
035	met06_master	MS	QC997658	Water	292083	06/30/22 12:36	1.0	1	1:SULFUR=270
036	met06_master	MSD	QC997659	Water	292083	06/30/22 12:40	1.0	1	1:SULFUR=280
037	met06_master	SAMPLE	464957-001	Water	292083	06/30/22 12:43	1.0	1	1:SULFUR=480
038	met06_master	SAMPLE	464958-001	Water	292083	06/30/22 12:46	1.0	1	1:SULFUR=470
039	met06_master	SAMPLE	464988-001	Water	292083	06/30/22 12:50	1.0	1	
040	met06_master	CCV				06/30/22 12:53	1.0	10 1	
041	met06_master	CCB				06/30/22 12:56	1.0	1	
042	met06_master	BLANK	QC997988	Wipe	292192	06/30/22 14:11	1.0	1	
043	met06_master	BS	QC997989	Wipe	292192	06/30/22 14:14	1.0	1	
044	met06_master	BSD	QC997990	Wipe	292192	06/30/22 14:17	1.0	1	
045	met06_master	SAMPLE	465031-002	Wipe	292192	06/30/22 14:20	1.0	1	
046	met06_master	SAMPLE	465031-004	Wipe	292192	06/30/22 14:24	1.0	1	
047	met06_master	SAMPLE	465031-006	Wipe	292192	06/30/22 14:27	1.0	1	
048	met06_master	BLANK	QC998001	WET Leachate	292038	06/30/22 14:30	1.0	1	
049	met06_master	BS	QC998002	WET Leachate	292038	06/30/22 14:33	1.0	1	
050	met06_master	BSD	QC998003	WET Leachate	292038	06/30/22 14:37	1.0	1	
051	met06_master	SAMPLE	464403-001	WET Leachate	292038	06/30/22 14:40	1.0	1	
052	met06_master	CCV				06/30/22 14:43	1.0	10 1	

Enthalpy Sequence Summary for Sequence 482261233

Instrument : MET06 Begun : 06/30/22 09:53
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met06_master	CCB				06/30/22 14:46	1.0	1	
054	met06_master	SAMPLE	464403-002	WET Leachate	292038	06/30/22 14:50	1.0	1	
055	met06_master	SAMPLE	464403-003	WET Leachate	292038	06/30/22 14:53	1.0	1	
056	met06_master	SAMPLE	464403-004	WET Leachate	292038	06/30/22 14:56	1.0	1	
057	met06_master	SAMPLE	464406-001	WET Leachate	292038	06/30/22 14:59	1.0	1	1:SN=79
058	met06_master	SAMPLE	464895-001	WET Leachate	292038	06/30/22 15:03	1.0	1	
059	met06_master	BLANK	QC997895	Water	292163	06/30/22 15:06	1.0	1	
060	met06_master	LCS	QC997896	Water	292163	06/30/22 15:09	1.0	1	
061	met06_master	MSS	465002-001	Water	292163	06/30/22 15:13	1.0	1	2:NA=3000
062	met06_master	MS	QC997897	Water	292163	06/30/22 15:16	1.0	1	2:NA=2900
063	met06_master	MSD	QC997898	Water	292163	06/30/22 15:19	1.0	1	2:NA=3000
064	met06_master	CCV				06/30/22 15:22	1.0	10 1	
065	met06_master	CCB				06/30/22 15:26	1.0	1	
066	met06_master	BLANK	QC997915	Water	292171	06/30/22 15:29	1.0	1	
067	met06_master	LCS	QC997916	Water	292171	06/30/22 15:32	1.0	1	
068	met06_master	SAMPLE	464990-001	Water	292171	06/30/22 15:35	1.0	1	
069	met06_master	SAMPLE	464990-002	Water	292171	06/30/22 15:39	1.0	1	1:SULFUR=330
070	met06_master	SAMPLE	464990-003	Water	292171	06/30/22 15:42	1.0	1	2:NA=1200
071	met06_master	SAMPLE	464990-004	Water	292171	06/30/22 15:45	1.0	1	3:CA=1600
072	met06_master	SAMPLE	464990-005	Water	292171	06/30/22 15:48	1.0	1	1:SULFUR=120
073	met06_master	SAMPLE	464990-006	Water	292171	06/30/22 15:52	1.0	1	2:SULFUR=130
074	met06_master	SAMPLE	464990-007	Water	292171	06/30/22 15:55	1.0	1	
075	met06_master	MSS	465040-012	Water	292171	06/30/22 15:58	1.0	1	
076	met06_master	CCV				06/30/22 16:01	1.0	10 1	
077	met06_master	CCB				06/30/22 16:05	1.0	1	
078	met06_master	LCS	QC996163	Water	291593	06/30/22 16:10	1.0	1	
079	met06_master	MSS	464334-001	Water	291593	06/30/22 16:13	1.0	1	
080	met06_master	MS	QC996166	Water	291593	06/30/22 16:16	1.0	1	
081	met06_master	MSD	QC996167	Water	291593	06/30/22 16:19	1.0	1	
082	met06_master	SAMPLE	464426-001	Water	291593	06/30/22 16:23	1.0	1	1:SULFUR=270
083	met06_master	SAMPLE	464825-001	Miscell.	291940	06/30/22 16:26	25.0	1	
084	met06_master	SAMPLE	464825-004	Miscell.	291940	06/30/22 16:29	25.0	1	
085	met06_master	MS	QC997917	Water	292171	06/30/22 16:32	1.0	1	
086	met06_master	MSD	QC997918	Water	292171	06/30/22 16:36	1.0	1	
087	met06_master	SAMPLE	465040-013	Water	292171	06/30/22 16:39	1.0	1	
088	met06_master	CCV				06/30/22 16:42	1.0	10 1	
089	met06_master	CCB				06/30/22 16:45	1.0	1	
090	met06_master	SAMPLE	465041-001	Water	292171	06/30/22 16:49	1.0	1	4:SULFUR=4800
091	met06_master	BLANK	QC997995	Wipe	292194	06/30/22 16:55	1.0	1	
092	met06_master	BS	QC997996	Wipe	292194	06/30/22 16:58	1.0	1	
093	met06_master	BSD	QC997997	Wipe	292194	06/30/22 17:02	1.0	1	
094	met06_master	SAMPLE	465035-002	Wipe	292194	06/30/22 17:05	1.0	1	
095	met06_master	SAMPLE	465035-003	Wipe	292194	06/30/22 17:08	1.0	1	
096	met06_master	SAMPLE	465035-005	Wipe	292194	06/30/22 17:11	1.0	1	
097	met06_master	SAMPLE	465035-007	Wipe	292194	06/30/22 17:14	1.0	1	
098	met06_master	SAMPLE	465035-009	Wipe	292194	06/30/22 17:18	1.0	1	
099	met06_master	SAMPLE	465035-011	Wipe	292194	06/30/22 17:21	1.0	1	
100	met06_master	SAMPLE	465035-013	Wipe	292194	06/30/22 17:24	1.0	1	
101	met06_master	CCV				06/30/22 17:27	1.0	10 1	
102	met06_master	CCB				06/30/22 17:31	1.0	1	
103	met06_master	SAMPLE	465035-015	Wipe	292194	06/30/22 17:34	1.0	1	
104	met06_master	SAMPLE	465035-017	Wipe	292194	06/30/22 17:37	1.0	1	

Enthalpy Sequence Summary for Sequence 482261233

Instrument : MET06 Begun : 06/30/22 09:53
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used
105	met06_master	SAMPLE	465035-019	Wipe	292194	06/30/22 17:40	1.0	1
106	met06_master	SAMPLE	465035-021	Wipe	292194	06/30/22 17:44	1.0	1
107	met06_master	SAMPLE	465035-024	Wipe	292194	06/30/22 17:47	1.0	1
108	met06_master	SAMPLE	465035-026	Wipe	292194	06/30/22 17:50	1.0	1
109	met06_master	BLANK	QC998022	WET Leachate	292040	06/30/22 17:53	1.0	1
110	met06_master	BLANK	QC998023	WET Leachate	292040	06/30/22 17:57	1.0	1
111	met06_master	BLANK	QC998024	WET Leachate	292040	06/30/22 18:00	1.0	1
112	met06_master	BS	QC998025	WET Leachate	292040	06/30/22 18:03	1.0	1
113	met06_master	CCV				06/30/22 18:06	1.0	10 1
114	met06_master	CCB				06/30/22 18:10	1.0	1
115	met06_master	BSD	QC998026	WET Leachate	292040	06/30/22 18:13	1.0	1
116	met06_master	SAMPLE	463979-001	WET Leachate	292040	06/30/22 18:16	1.0	1
117	met06_master	XBLANK	QC998037	Filtrate	292208	06/30/22 18:19	1.0	1
118	met06_master	XLCS	QC998038	Filtrate	292208	06/30/22 18:23	1.0	1
119	met06_master	CCV				06/30/22 18:30	1.0	10 1

KLN 06/30/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 1 through 65.

KLN 06/30/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 66 through 119.

Standards used: 1=S13369 2=S16950 3=S16949 4=S16948 5=S16947 6=S16645 7=S16518 8=S16675 9=S16519 10=S16870 11=S16646 12=S16520 13=S16601

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 465035-002	Client ID	: DOOR-N-0.1GW-INT-26 TO 27-220628-L-CB
Seqnum	: 482261233094	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 292194	Time	: 30-JUN-2022 17:05
Cal	: 482261233001	Caldate	: 30-JUN-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.9328	93	1.0		!<a- u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1545938	1666212	7.78

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 465035-002,292194			Sample Type: Unknown Sample
Measure Date: 2022-06-30 17:05:14	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	56781.33500	4826.65220	5408.69520	11706.25200	12214.93200	65995.35800	9303.97340
Int RSD	*0.37267026*	*2.97463923*	*0.63621352*	*1.12650368*	*0.81427827*	*0.78122487*	*0.47987019*
Int SD	*211.60715000*	*143.57549000*	*34.41085000*	*131.87136000*	*99.46353700*	*515.57215000*	*44.64699500*
RelInt Mean	0.00005357	0.00758557	0.00007568	0.00234778	0.00231560	0.21473867	0.00080356
RelInt RSD	*10.90442701*	*5.42595804*	*21.54871244*	*4.12924656*	*2.55623760*	*0.39703677*	*4.70119472*
RelInt SD	*0.00000584*	*0.00041159*	*0.00001631*	*0.00009695*	*0.00005919*	*0.00085259*	*0.00003778*
Conc Mean	<0.00096974[mg/l]	0.70327304[mg/l]	0.00818449[mg/l]	0.03007485[mg/l]	0.00730611[mg/l]	14.04104800[mg/l]	0.00457060[mg/l]
Conc RSD	*27.75662760*	*5.67570115*	*11.99016492*	*5.00404990*	*2.59069424*	*0.40125314*	*4.82155735*
Conc SD	*0.00026917[mg/l]*	*0.03991568[mg/l]*	*0.00098133[mg/l]*	*0.00150496[mg/l]*	*0.00018928[mg/l]*	*0.05634015[mg/l]*	*0.00022037[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	10249.11400	1632332	11781286	2596.14120	4957.25720	339870	5952.78190
Int RSD	*1.18495335*	*1.28679792*	*0.12144357*	*4.74866313*	*4.34278092*	*0.24758740*	*1.00001294*
Int SD	*121.44722000*	*21004.80900*	*14307.61400*	*123.28200000*	*215.28282000*	*841.47619000*	*59.52858900*
RelInt Mean	0.00176304	0.04730520	7.10756760	0.00718950	0.00681907	0.19969552	0.00021343
RelInt RSD	*3.99720721*	*0.79509444*	*0.62236145*	*5.02934160*	*8.60959710*	*0.80308737*	*24.43175057*
RelInt SD	*0.00007047*	*0.00037612*	*0.04423476*	*0.00036158*	*0.00058709*	*0.00160373*	*0.00005214*
Conc Mean	0.01350970[mg/l]	1.65985610[mg/l]	28.31580000[mg/l]	5.83877690[mg/l]	2.03210450[mg/l]	0.15667524[mg/l]	0.00181556[mg/l]
Conc RSD	*4.11174029*	*0.79765168*	*0.62242285*	*5.10299974*	*8.97167739*	*0.80361211*	*22.18893594*
Conc SD	*0.00055548[mg/l]*	*0.01323987[mg/l]*	*0.17624401[mg/l]*	*0.29795277[mg/l]*	*0.18231386[mg/l]*	*0.00125906[mg/l]*	*0.00040285[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	56260.19400	17030.43900	57680.40700	6665.56420	5026.09380	9536.16330	6472.32220
Int RSD	*0.39767984*	*0.49843742*	*0.30498264*	*0.72152012*	*0.55200564*	*0.28503111*	*0.54404606*
Int SD	*223.73545000*	*84.88608000*	*175.91523000*	*48.09338700*	*27.74432100*	*27.18103200*	*35.21241400*
RelInt Mean	0.15033339	0.00519390	0.02979175	0.00032791	-0.00000515	0.00218040	0.01483937
RelInt RSD	*0.21629599*	*0.39491712*	*0.61065892*	*11.24579597*	*600.06902262*	*1.09943378*	*1.24704467*
RelInt SD	*0.00032517*	*0.00002051*	*0.00018193*	*0.00003688*	*0.00003089*	*0.00002397*	*0.00018505*
Conc Mean	6.65355720[mg/l]	0.04539920[mg/l]	0.93279028[mg/l]	0.01917875[mg/l]	<0.00098058[mg/l]	0.04125635[mg/l]	0.01431210[mg/l]
Conc RSD	*0.22042439*	*0.40672889*	*0.60976763*	*10.22625927*	*219.38355266*	*1.11071438*	*1.22742206*
Conc SD	*0.01466606[mg/l]*	*0.00018465[mg/l]*	*0.00568785[mg/l]*	*0.00196127[mg/l]*	*0.00215123[mg/l]*	*0.00045824[mg/l]*	*0.00017567[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	230816	5617.03340	14420.26800	1666212	33461652	307453	1090559
Int RSD	*4.46617073*	*0.74860543*	*1.36328930*	*0.54624856*	*0.52861733*	*0.39003511*	*0.53471273*
Int SD	*10308.64200*	*42.04941700*	*196.58997000*	*9101.65960*	*176884*	*1199.17280*	*5831.35940*
RelInt Mean	0.00513700	0.00017843	0.00004330	---	---	---	0.65491531
RelInt RSD	*6.32011133*	*8.86265781*	*20.48133652*	---	---	---	*0.21312681*
RelInt SD	*0.00032466*	*0.00001581*	*0.00000887*	---	---	---	*0.00139580*
Conc Mean	0.05032020[mg/l]	0.02602045[mg/l]	<0.00326984[mg/l]	1656226	33379590	305189	2.39515800[mg/l]
Conc RSD	*6.31749057*	*7.44740416*	*51.30951036*	---	---	---	*0.21317528*
Conc SD	*0.00317897[mg/l]*	*0.00193785[mg/l]*	*0.00167774[mg/l]*	*9080.54570*	*176799*	*1194.85520*	*0.00510588[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	286.32481000	8078.72460	139013	18979.78300	8222.51100	99759.03500	
Int RSD	*17.76504104*	*1.65669331*	*2.41147600*	*0.59576577*	*0.66065257*	*0.16960201*	
Int SD	*50.86572000*	*133.83969000*	*3352.27020*	*113.07505000*	*54.32223000*	*169.19333000*	
RelInt Mean	-0.00023915	0.00134018	0.07903796	0.00816771	0.00006375	0.05671934	
RelInt RSD	*105.81328780*	*7.92337264*	*2.06116074*	*1.37039197*	*30.89990767*	*0.46436956*	
RelInt SD	*0.00025305*	*0.00010619*	*0.00162910*	*0.00011193*	*0.00001970*	*0.00026339*	
Conc Mean	<-0.00017076[mg/l]	<0.01012324[mg/l]	1.43004530[mg/l]	0.28524233[mg/l]	<0.00001475[mg/l]	4.81360770[mg/l]	
Conc RSD	*568.19311501*	*10.71341953*	*2.09153269*	*1.40632563*	*547.96557270*	*0.46397875*	
Conc SD	*0.00097022[mg/l]*	*0.00108455[mg/l]*	*0.02990987[mg/l]*	*0.00401144[mg/l]*	*0.00008081[mg/l]*	*0.02233412[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 465035-003	Client ID	: DOOR-N-0.1GW-INT-26 TO 27-220628-L-DUP-CB
Seqnum	: 482261233095	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 292194	Time	: 30-JUN-2022 17:08
Cal	: 482261233001	Caldate	: 30-JUN-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.5537	55	1.0		!<a- u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1545938	1674562	8.32

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 465035-003,292194			Sample Type: Unknown Sample
Measure Date: 2022-06-30 17:08:29	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	57261.95300	4316.85260	5045.26830	11024.86100	11650.48000	70154.80100	8772.07880
Int RSD	*0.46926784*	*0.18081212*	*0.60354077*	*0.75512605*	*0.27871510*	*0.38619735*	*0.93054115*
Int SD	*268.71193000*	*7.80539260*	*30.45025100*	*83.25159700*	*32.47164700*	*270.93598000*	*81.62780300*
RelInt Mean	0.00005971	0.00545342	-0.00001459	0.00200079	0.00200456	0.22779225	0.00049872
RelInt RSD	*7.35388231*	*4.91001971*	*105.70073463*	*2.13325081*	*0.81645853*	*0.49307999*	*11.00658310*
RelInt SD	*0.00000439*	*0.00026776*	*0.00001543*	*0.00004268*	*0.00001637*	*0.00112320*	*0.00005489*
Conc Mean	<0.00125255[mg/l]	0.49649843[mg/l]	0.00275895[mg/l]	0.02468831[mg/l]	0.00631192[mg/l]	14.90364000[mg/l]	0.00278000[mg/l]
Conc RSD	*16.15286852*	*5.23013718*	*33.63254265*	*2.68379712*	*0.84463415*	*0.49801016*	*11.63018085*
Conc SD	*0.00020232[mg/l]*	*0.02596755[mg/l]*	*0.00092791[mg/l]*	*0.00066258[mg/l]*	*0.00005331[mg/l]*	*0.07422164[mg/l]*	*0.00032332[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	9150.84350	3141427	7164336	2752.48230	4807.75500	245636	5682.37940
Int RSD	*0.44997736*	*1.77840505*	*0.48594333*	*3.11391786*	*2.33810354*	*1.07439820*	*0.75254090*
Int SD	*41.17672400*	*55867.29300*	*34814.61300*	*85.71003800*	*112.41029000*	*2639.10350*	*42.76222900*
RelInt Mean	0.00111150	0.09249652	4.29818670	0.00767325	0.00601608	0.14213960	0.00004792
RelInt RSD	*0.94038243*	*1.37809644*	*0.06607283*	*3.43627630*	*4.63778608*	*1.28790738*	*58.74810662*
RelInt SD	*0.00001045*	*0.00127469*	*0.00283993*	*0.00026367*	*0.00027901*	*0.00183063*	*0.00002815*
Conc Mean	0.00837409[mg/l]	3.25064050[mg/l]	17.12243900[mg/l]	6.23739060[mg/l]	1.78274860[mg/l]	0.11148902[mg/l]	<0.00053690[mg/l]
Conc RSD	*0.98385529*	*1.38035947*	*0.06608083*	*3.48338759*	*4.86011314*	*1.28909484*	*40.51132589*
Conc SD	*0.00008239[mg/l]*	*0.04487052[mg/l]*	*0.01131465[mg/l]*	*0.21727249[mg/l]*	*0.08664360[mg/l]*	*0.00143720[mg/l]*	*0.00021751[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	61505.43400	16348.46200	37748.68300	6441.14270	4863.71880	10104.54200	6472.70120
Int RSD	*0.60361717*	*0.91769110*	*0.01506092*	*0.74225281*	*1.07899252*	*0.31848008*	*2.49085930*
Int SD	*371.25736000*	*150.02838000*	*5.68529870*	*47.80956300*	*52.47916200*	*32.18095300*	*161.22588000*
RelInt Mean	0.16635960	0.00476124	0.01767920	0.00012732	-0.00001777	0.00272539	0.01445399
RelInt RSD	*0.39792589*	*1.70368542*	*0.35651744*	*19.81611673*	*227.09842469*	*0.52810277*	*3.39681072*
RelInt SD	*0.00066199*	*0.00008112*	*0.00006303*	*0.00002523*	*0.00004036*	*0.00001439*	*0.00049097*
Conc Mean	7.37639380[mg/l]	0.04150423[mg/l]	0.55367540[mg/l]	0.00855603[mg/l]	<0.00010122[mg/l]	0.05167414[mg/l]	0.01394626[mg/l]
Conc RSD	*0.40477634*	*1.75942521*	*0.35560596*	*15.65860571*	*2777.21395*	*0.53242728*	*3.34196114*
Conc SD	*0.02985790[mg/l]*	*0.00073024[mg/l]*	*0.00196890[mg/l]*	*0.00133976[mg/l]*	*0.00281114[mg/l]*	*0.00027513[mg/l]*	*0.00046608[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	188423	5285.46960	14018.55300	1674562	33421781	308333	6858741
Int RSD	*4.26431659*	*0.36095849*	*0.32151141*	*0.49046787*	*0.43175452*	*0.44044562*	*0.47785271*
Int SD	*8034.97330*	*19.07835100*	*45.07124700*	*8213.18850*	*144300*	*1358.04070*	*32774.68100*
RelInt Mean	0.00386289	0.00012390	0.00003128	---	---	---	4.11641760
RelInt RSD	*6.49032586*	*5.34779379*	*6.73677894*	---	---	---	*0.01434249*
RelInt SD	*0.00025071*	*0.00000663*	*0.00000211*	---	---	---	*0.00059040*
Conc Mean	0.03784463[mg/l]	0.01939529[mg/l]	<0.00099535[mg/l]	1664614	33339850	305939	>15.05763500[mg/l]
Conc RSD	*6.48674975*	*4.18234364*	*40.04519806*	---	---	---	*0.01434083*
Conc SD	*0.00245489[mg/l]*	*0.00081118[mg/l]*	*0.00039859[mg/l]*	*8196.47400*	*144314*	*1428.12660*	*0.00215939[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	250.11648000	8102.66950	102817	16151.03000	8291.68740	83882.30600	
Int RSD	*18.76881443*	*2.43623611*	*0.58575775*	*0.90530127*	*0.57875036*	*0.38302134*	
Int SD	*46.94389800*	*197.40016000*	*602.25679000*	*146.21548000*	*47.98817100*	*321.28713000*	
RelInt Mean	-0.00045805	0.00073141	0.05695002	0.00660039	0.00014925	0.04700459	
RelInt RSD	*39.77853837*	*25.80934498*	*1.11880911*	*1.20232528*	*15.21024416*	*0.33104054*	
RelInt SD	*0.00018221*	*0.00018877*	*0.00063716*	*0.00007936*	*0.00002270*	*0.00015560*	
Conc Mean	<-0.00101007[mg/l]	<0.00390553[mg/l]	1.02465400[mg/l]	0.22907119[mg/l]	0.00038000[mg/l]	3.98983770[mg/l]	
Conc RSD	*69.16398451*	*49.36626226*	*1.14113145*	*1.24158206*	*24.72451383*	*0.33070518*	
Conc SD	*0.00069860[mg/l]*	*0.00192801[mg/l]*	*0.01169265[mg/l]*	*0.00284411[mg/l]*	*0.00009395[mg/l]*	*0.01319460[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 465035-005	Client ID	: DOOR-N-0.2GW-EXT-10 TO 11-220628-L-CB
Seqnum	: 482261233096	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 292194	Time	: 30-JUN-2022 17:11
Cal	: 482261233001	Caldate	: 30-JUN-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.2532	25	1.0		!<a- u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1545938	1673493	8.25

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 465035-005,292194			Sample Type: Unknown Sample
Measure Date: 2022-06-30 17:11:44	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	56135.77000	9135.50480	5259.02520	11123.45300	12905.95100	55355.78400	9877.33570
Int RSD	*0.47628170*	*1.86798939*	*1.01485484*	*1.27982246*	*0.62653658*	*0.38778351*	*0.38011659*
Int SD	*267.36440000*	*170.65026000*	*53.37147200*	*142.36045000*	*80.86050400*	*214.66060000*	*37.54539200*
RelInt Mean	0.00004203	0.02173356	0.00009054	0.00205028	0.00270742	0.17866473	0.00114257
RelInt RSD	*22.17147257*	*1.92973598*	*39.58414122*	*3.27176587*	*1.76740405*	*0.52817761*	*1.53654550*
RelInt SD	*0.00000932*	*0.00041940*	*0.00003584*	*0.00006708*	*0.00004785*	*0.00094367*	*0.00001756*
Conc Mean	<0.00043796[mg/l]	2.07533460[mg/l]	0.00907197[mg/l]	0.02545656[mg/l]	0.00856782[mg/l]	11.65725000[mg/l]	0.00641893[mg/l]
Conc RSD	*98.04233611*	*1.95983428*	*23.75863954*	*4.09065797*	*1.78567568*	*0.53493320*	*1.48523817*
Conc SD	*0.00042938[mg/l]*	*0.04067312[mg/l]*	*0.00215538[mg/l]*	*0.00104134[mg/l]*	*0.00015299[mg/l]*	*0.06235850[mg/l]*	*0.00009534[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	11811.07300	275654	15855380	2398.19230	6027.92880	510300	5739.59120
Int RSD	*0.72693267*	*0.76435396*	*0.15322503*	*12.29572583*	*4.12365571*	*0.62479398*	*0.85992253*
Int SD	*85.85854800*	*2106.97280*	*24294.41100*	*294.87515000*	*248.57103000*	*3188.32310*	*49.35603800*
RelInt Mean	0.00265610	0.00679357	9.52494000	0.00637754	0.01011273	0.30119440	0.00009492
RelInt RSD	*1.99749072*	*0.71813240*	*0.13468452*	*11.79520574*	*5.85568847*	*0.60787070*	*30.70019152*
RelInt SD	*0.00005306*	*0.00004879*	*0.01282862*	*0.00075224*	*0.00059217*	*0.00183087*	*0.00002914*
Conc Mean	0.02054907[mg/l]	0.23380214[mg/l]	37.94728900[mg/l]	5.16970490[mg/l]	3.05490660[mg/l]	0.23636037[mg/l]	0.00089995[mg/l]
Conc RSD	*2.03511935*	*0.73453199*	*0.13469409*	*11.99031264*	*6.01949794*	*0.60813562*	*25.01462839*
Conc SD	*0.00041820[mg/l]*	*0.00171735[mg/l]*	*0.05111276[mg/l]*	*0.61986378[mg/l]*	*0.18389004[mg/l]*	*0.00143739[mg/l]*	*0.00022512[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	52696.29000	18761.03400	21726.62300	6317.34490	4920.04980	8167.14580	6628.90940
Int RSD	*0.84423175*	*0.09741492*	*0.13030890*	*0.54880494*	*0.60918654*	*0.34623221*	*2.16985014*
Int SD	*444.87881000*	*18.27604700*	*28.31172400*	*34.66990100*	*29.97228100*	*28.27728900*	*143.83740000*
RelInt Mean	0.13730014	0.00621000	0.00808937	0.00013760	-0.00004977	0.00153474	0.01505487
RelInt RSD	*0.93141886*	*0.47810562*	*0.05357359*	*10.44677715*	*36.03198134*	*1.55933496*	*2.76120045*
RelInt SD	*0.00127884*	*0.00002969*	*0.00000433*	*0.00001438*	*0.00001793*	*0.00002393*	*0.00041570*
Conc Mean	6.06571370[mg/l]	0.05454645[mg/l]	0.25317195[mg/l]	0.00903093[mg/l]	<-0.00212680[mg/l]	0.02891408[mg/l]	0.01451668[mg/l]
Conc RSD	*0.95091681*	*0.49000751*	*0.05061988*	*8.42703682*	*58.71839883*	*1.58216377*	*2.71836677*
Conc SD	*0.05767989[mg/l]*	*0.00026728[mg/l]*	*0.00012816[mg/l]*	*0.00076104[mg/l]*	*0.00124882[mg/l]*	*0.00045747[mg/l]*	*0.00039462[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	559897	5384.30230	15042.95200	1673493	33300276	309891	279314
Int RSD	*3.44117607*	*0.13058863*	*0.31769018*	*0.17286151*	*0.11310319*	*0.38218348*	*0.32094745*
Int SD	*19267.05500*	*7.03128640*	*47.78998100*	*2892.82490*	*37663.67600*	*1184.35090*	*896.45011000*
RelInt Mean	0.01506009	0.00011423	0.00006176	---	---	---	0.16445096
RelInt RSD	*3.74116523*	*15.35976832*	*3.52846370*	---	---	---	*0.16601205*
RelInt SD	*0.00056342*	*0.00001755*	*0.00000218*	---	---	---	*0.00027301*
Conc Mean	0.14748281[mg/l]	0.01793705[mg/l]	0.00676330[mg/l]	1663553	33218287	307628	0.60099345[mg/l]
Conc RSD	*3.74063865*	*11.98890487*	*6.09537979*	---	---	---	*0.16620955*
Conc SD	*0.00551680[mg/l]*	*0.00215046[mg/l]*	*0.00041225[mg/l]*	*2874.27700*	*37167.98200*	*1189.95210*	*0.00099891[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	279.66837000	8020.95230	286721	19553.88000	8132.19810	65733.84700	
Int RSD	*34.80217731*	*3.98754971*	*0.45189656*	*0.97184942*	*0.48706997*	*0.50118634*	
Int SD	*97.33068200*	*319.83946000*	*1295.68120*	*190.03427000*	*39.60949500*	*329.44906000*	
RelInt Mean	-0.00030407	0.00084596	0.16729092	0.00864475	0.00002909	0.03612852	
RelInt RSD	*119.09792947*	*48.34678229*	*0.54185070*	*1.53777700*	*141.34906661*	*0.70236144*	
RelInt SD	*0.00036214*	*0.00040899*	*0.00090647*	*0.00013294*	*0.00004112*	*0.00025375*	
Conc Mean	<-0.00041967[mg/l]	<0.00507552[mg/l]	3.04993310[mg/l]	0.30233876[mg/l]	<-0.00012854[mg/l]	3.06759290[mg/l]	
Conc RSD	*330.84975861*	*82.30213269*	*0.54545416*	*1.57582002*	*124.65420895*	*0.70143600*	
Conc SD	*0.00138849[mg/l]*	*0.00417726[mg/l]*	*0.01663599[mg/l]*	*0.00476431[mg/l]*	*0.00016023[mg/l]*	*0.02151720[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 465035-007	Client ID	: DOOR-N-0.3GW-INT-25 TO 26-220628-L-CB
Seqnum	: 482261233097	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 292194	Time	: 30-JUN-2022 17:14
Cal	: 482261233001	Caldate	: 30-JUN-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.059	110	1.0		!<a- u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1545938	1667921	7.89

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 465035-007,292194			Sample Type: Unknown Sample
Measure Date: 2022-06-30 17:14:58	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	56461.97700	6222.70810	5670.89090	11351.66300	13801.37100	74605.48000	10501.45700
Int RSD	*0.64078291*	*1.82528247*	*0.75878037*	*0.38628413*	*1.35740565*	*0.45300044*	*0.23358546*
Int SD	*361.79870000*	*113.58200000*	*43.02960700*	*43.84967300*	*187.34059000*	*337.96315000*	*24.52987700*
RelInt Mean	0.00003578	0.01203244	0.00021650	0.00211409	0.00321640	0.24230506	0.00150703
RelInt RSD	*25.14768363*	*5.36415121*	*19.98617148*	*1.46174689*	*3.49741791*	*0.55812697*	*1.49117857*
RelInt SD	*0.00000900*	*0.00064544*	*0.00004327*	*0.00003090*	*0.00011249*	*0.00135237*	*0.00002247*
Conc Mean	<0.00015016[mg/l]	1.13452750[mg/l]	0.01665241[mg/l]	0.02644720[mg/l]	0.01020075[mg/l]	15.86265900[mg/l]	0.00870244[mg/l]
Conc RSD	*276.14130256*	*5.51720262*	*15.62958248*	*1.81390510*	*3.55056980*	*0.56337038*	*1.39880055*
Conc SD	*0.00041465[mg/l]*	*0.06259418[mg/l]*	*0.00260270[mg/l]*	*0.00047973[mg/l]*	*0.00036218[mg/l]*	*0.08936552[mg/l]*	*0.00012173[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	10958.84200	324522	21557226	2905.34960	5271.63560	542403	5930.43450
Int RSD	*0.28862551*	*1.37292093*	*0.43613807*	*2.64138925*	*3.09377568*	*0.28143020*	*0.83863284*
Int SD	*31.63001400*	*4455.43060*	*94019.26900*	*76.74159200*	*163.09258000*	*1526.48480*	*49.73457100*
RelInt Mean	0.00209682	0.00828870	12.99701800	0.00810337	0.00770598	0.32148148	0.00015349
RelInt RSD	*1.00337331*	*1.25558723*	*0.51422209*	*3.96052944*	*6.92618916*	*0.85416672*	*21.43242499*
RelInt SD	*0.00002104*	*0.00010407*	*0.06683354*	*0.00032094*	*0.00053373*	*0.00274599*	*0.00003290*
Conc Mean	0.01614062[mg/l]	0.28643232[mg/l]	51.78102300[mg/l]	6.59182320[mg/l]	2.30752280[mg/l]	0.25228744[mg/l]	0.00135245[mg/l]
Conc RSD	*1.02743917*	*1.27898968*	*0.51425286*	*4.01190766*	*7.18270736*	*0.85451491*	*18.79124206*
Conc SD	*0.00016584[mg/l]*	*0.00366344[mg/l]*	*0.26628539[mg/l]*	*0.26445786[mg/l]*	*0.16574261[mg/l]*	*0.00215583[mg/l]*	*0.00025414[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	60780.23600	23804.59100	64436.33900	6303.71560	5059.67210	8006.69920	7176.22870
Int RSD	*0.36509690*	*0.32156822*	*0.30460354*	*0.34277330*	*0.31409399*	*0.52218474*	*1.42243683*
Int SD	*221.90676000*	*76.54800000*	*196.27537000*	*21.60745400*	*15.89212600*	*41.80976100*	*102.07732000*
RelInt Mean	0.16470034	0.00923514	0.03382770	0.00011836	-0.00002985	0.00123614	0.01690020
RelInt RSD	*0.48680844*	*1.02580234*	*0.22744568*	*18.12328535*	*100.09566674*	*2.38669037*	*1.42562195*
RelInt SD	*0.00080178*	*0.00009473*	*0.00007694*	*0.00002145*	*0.00002988*	*0.00002950*	*0.00024093*
Conc Mean	7.30155570[mg/l]	0.08177973[mg/l]	1.05904050[mg/l]	0.00803473[mg/l]	<-0.00074004[mg/l]	0.02320617[mg/l]	0.01626843[mg/l]
Conc RSD	*0.49527256*	*1.04283548*	*0.22848718*	*14.17616504*	*281.21498288*	*2.43022682*	*1.40588880*
Conc SD	*0.03616260[mg/l]*	*0.00085283[mg/l]*	*0.00241977[mg/l]*	*0.00113902[mg/l]*	*0.00208110[mg/l]*	*0.00056396[mg/l]*	*0.00022872[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	327270	5672.84180	14772.42700	1667921	33149326	308204	326355
Int RSD	*7.27834324*	*0.39429220*	*0.35305691*	*0.57448267*	*0.40733368*	*0.22949991*	*0.07991026*
Int SD	*23819.80700*	*22.36757300*	*52.15507500*	*9581.91530*	*135028*	*707.32876000*	*260.79102000*
RelInt Mean	0.00809827	0.00018526	0.00004474	---	---	---	0.19336153
RelInt RSD	*9.19318458*	*16.29318535*	*3.41737331*	---	---	---	*0.51064021*
RelInt SD	*0.00074449*	*0.00003018*	*0.00000153*	---	---	---	*0.00098738*
Conc Mean	0.07931561[mg/l]	0.02678204[mg/l]	0.00354213[mg/l]	1657826	33067175	305954	0.70675304[mg/l]
Conc RSD	*9.19076700*	*13.73975713*	*8.16893612*	---	---	---	*0.51104983*
Conc SD	*0.00728971[mg/l]*	*0.00367979[mg/l]*	*0.00028935[mg/l]*	*9613.27960*	*135010*	*686.99574000*	*0.00361186[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	243.90356000	7982.98670	192356	18627.11100	8195.94920	86302.82400	
Int RSD	*39.55860874*	*0.96850862*	*0.34435776*	*0.89831896*	*0.15235292*	*0.33139469*	
Int SD	*96.48485500*	*77.31591400*	*662.39374000*	*167.33087000*	*12.48676800*	*286.00298000*	
RelInt Mean	-0.00044635	0.00094769	0.11097854	0.00796297	-0.00002674	0.04853942	
RelInt RSD	*67.21198054*	*33.26158687*	*0.89634814*	*1.88391147*	*66.49007197*	*0.93256234*	
RelInt SD	*0.00030000*	*0.00031522*	*0.00099475*	*0.00015002*	*0.00001778*	*0.00045266*	
Conc Mean	<-0.00096521[mg/l]	<0.00611454[mg/l]	2.01631930[mg/l]	0.27790471[mg/l]	<-0.00038171[mg/l]	4.11998490[mg/l]	
Conc RSD	*119.17084279*	*52.65259236*	*0.90544419*	*1.93461615*	*21.16982405*	*0.93164635*	
Conc SD	*0.00115025[mg/l]*	*0.00321946[mg/l]*	*0.01825665[mg/l]*	*0.00537639[mg/l]*	*0.00008081[mg/l]*	*0.03838369[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 465035-009	Client ID	: DOOR-N-0.5GW-DG-12 TO 26-220628-L-LA
Seqnum	: 482261233098	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 292194	Time	: 30-JUN-2022 17:18
Cal	: 482261233001	Caldate	: 30-JUN-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.03 ft2 --> 100.0 ml = 97.31 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.8355	81	0.97		!<a- u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1545938	1650473	6.76

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 465035-009,292194			Sample Type: Unknown Sample
Measure Date: 2022-06-30 17:18:12	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	56726.44100	4921.52720	5107.86530	10830.59800	11894.42900	64968.91600	9232.80320
Int RSD	*0.34799213*	*0.27196599*	*0.56238533*	*0.97449070*	*0.11448839*	*0.73780862*	*0.33633479*
Int SD	*197.40355000*	*13.38488000*	*28.72588500*	*105.54317000*	*13.61774000*	*479.34626000*	*31.05312900*
RelInt Mean	0.00006725	0.00794755	-0.00006951	0.00197618	0.00217966	0.21309691	0.00081089
RelInt RSD	*8.90190489*	*3.49085651*	*23.01978640*	*3.49377778*	*1.69494875*	*1.51895103*	*4.30765919*
RelInt SD	*0.00000599*	*0.00027744*	*0.00001600*	*0.00006904*	*0.00003694*	*0.00323684*	*0.00003493*
Conc Mean	<0.00160004[mg/l]	0.73837773[mg/l]	<-0.00055131[mg/l]	0.02430617[mg/l]	0.00687393[mg/l]	13.93255800[mg/l]	0.00462202[mg/l]
Conc RSD	*17.23989411*	*3.64389376*	*174.58164315*	*4.40962580*	*1.72008254*	*1.53520301*	*4.56903365*
Conc SD	*0.00027585[mg/l]*	*0.02690570[mg/l]*	*0.00096248[mg/l]*	*0.00107181[mg/l]*	*0.00011824[mg/l]*	*0.21389305[mg/l]*	*0.00021118[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	10786.55000	3044628	13783201	2949.02840	5184.89700	390594	5640.34490
Int RSD	*0.59989461*	*1.06168711*	*0.09102396*	*0.85553035*	*3.18196562*	*0.63169225*	*1.15520655*
Int SD	*64.70793200*	*32324.42500*	*12546.01500*	*25.22983300*	*164.98164000*	*2467.35140*	*65.15763400*
RelInt Mean	0.00212326	0.09043360	8.39583020	0.00836550	0.00740264	0.23252406	0.00005893
RelInt RSD	*0.48784164*	*0.76956057*	*0.25738084*	*0.26707141*	*8.84688389*	*0.54868103*	*65.79967410*
RelInt SD	*0.00001036*	*0.00069594*	*0.02160926*	*0.00002234*	*0.00065490*	*0.00127582*	*0.00003877*
Conc Mean	0.01634908[mg/l]	3.17802330[mg/l]	33.44859900[mg/l]	6.80782490[mg/l]	2.21332600[mg/l]	0.18244840[mg/l]	<0.00062190[mg/l]
Conc RSD	*0.49939645*	*0.77085237*	*0.25740209*	*0.27042651*	*9.18848014*	*0.54898837*	*48.16569688*
Conc SD	*0.00008165[mg/l]*	*0.02449787[mg/l]*	*0.08609739[mg/l]*	*0.01841016[mg/l]*	*0.20337102[mg/l]*	*0.00100162[mg/l]*	*0.00029954[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	62417.55800	18120.07000	52031.26800	6229.16430	5002.34730	9696.24640	6568.96570
Int RSD	*0.60285736*	*0.80462559*	*0.26654515*	*1.02279900*	*0.52837203*	*0.76503943*	*0.74484338*
Int SD	*376.28884000*	*145.79872000*	*138.68682000*	*63.71183000*	*26.43100400*	*74.18010800*	*48.92850600*
RelInt Mean	0.17140263	0.00595071	0.02668290	0.00009742	-0.00000826	0.00233470	0.01511822
RelInt RSD	*1.26737104*	*0.74443955*	*0.08225434*	*35.41479544*	*351.21357782*	*2.06285060*	*1.14102530*
RelInt SD	*0.00217231*	*0.00004430*	*0.00002195*	*0.00003450*	*0.00002903*	*0.00004816*	*0.00017250*
Conc Mean	7.60385160[mg/l]	0.05221226[mg/l]	0.83546751[mg/l]	0.00692129[mg/l]	<0.00076352[mg/l]	0.04420588[mg/l]	0.01457682[mg/l]
Conc RSD	*1.28853658*	*0.76380071*	*0.08177354*	*26.46876857*	*264.75095574*	*2.08260392*	*1.12340060*
Conc SD	*0.09797841[mg/l]*	*0.00039880[mg/l]*	*0.00068319[mg/l]*	*0.00183198[mg/l]*	*0.00202143[mg/l]*	*0.00092063[mg/l]*	*0.00016376[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	213376	5551.69890	14104.01800	1650473	33118489	305435	1358207
Int RSD	*3.42036613*	*0.96693088*	*0.46592799*	*0.34513204*	*0.37503118*	*0.83638756*	*0.05107953*
Int SD	*7298.22710*	*53.68109100*	*65.71456800*	*5696.31050*	*124205*	*2554.62000*	*693.76588000*
RelInt Mean	0.00467182	0.00016107	0.00003400	---	---	---	0.82434422
RelInt RSD	*4.52405876*	*17.76320869*	*7.15228957*	---	---	---	*0.29554249*
RelInt SD	*0.00021136*	*0.00002861*	*0.00000243*	---	---	---	*0.00243629*
Conc Mean	0.04576532[mg/l]	0.02391501[mg/l]	<0.00151113[mg/l]	1640502	33037534	303118	3.01494220[mg/l]
Conc RSD	*4.52199627*	*14.60533064*	*30.44105617*	---	---	---	*0.29560075*
Conc SD	*0.00206951[mg/l]*	*0.00349287[mg/l]*	*0.00046000[mg/l]*	*5647.80850*	*124483*	*2530.03310*	*0.00891219[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	249.19512000	8003.85430	141391	18398.30400	8228.88450	93450.04600	
Int RSD	*33.98051736*	*3.22967511*	*1.55125897*	*0.06836005*	*0.46562030*	*0.23103915*	
Int SD	*84.67779100*	*258.49849000*	*2193.34600*	*12.57709000*	*38.31535700*	*215.90619000*	
RelInt Mean	-0.00028487	0.00076135	0.08128386	0.00793714	0.00008280	0.05345699	
RelInt RSD	*42.43460198*	*108.58441179*	*1.50427265*	*0.34704325*	*31.04066233*	*0.59909877*	
RelInt SD	*0.00012088*	*0.00082671*	*0.00122273*	*0.00002755*	*0.00002570*	*0.00032026*	
Conc Mean	<-0.00034607[mg/l]	<0.00421141[mg/l]	1.47129520[mg/l]	0.27697876[mg/l]	<0.00012350[mg/l]	4.53697390[mg/l]	
Conc RSD	*133.92803696*	*200.49403154*	*1.52499403*	*0.35641530*	*86.73473948*	*0.59856417*	
Conc SD	*0.00046349[mg/l]*	*0.00844363[mg/l]*	*0.02243716[mg/l]*	*0.00098719[mg/l]*	*0.00010712[mg/l]*	*0.02715670[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 465035-011	Client ID	: DOOR-N-0.7GW-EXT-11 TO 12-220628-L-CB
Seqnum	: 482261233099	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 292194	Time	: 30-JUN-2022 17:21
Cal	: 482261233001	Caldate	: 30-JUN-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.277	130	1.0		!<a- u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1545938	1684513	8.96

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 465035-011,292194			Sample Type: Unknown Sample
Measure Date: 2022-06-30 17:21:29	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	59504.43800	7987.41160	5584.09090	10895.00400	12936.33400	61374.71100	10005.15000
Int RSD	*0.80966141*	*2.01129775*	*0.44723215*	*0.64524651*	*0.55160174*	*1.00129566*	*0.55201694*
Int SD	*481.78447000*	*160.65063000*	*24.97385000*	*70.29963300*	*71.35704400*	*614.54232000*	*55.23012300*
RelInt Mean	0.00013030	0.01803638	0.00021346	0.00188671	0.00269506	0.19931963	0.00123146
RelInt RSD	*2.09551470*	*1.38581650*	*1.49804879*	*0.57893501*	*2.14100621*	*1.45149517*	*2.84390814*
RelInt SD	*0.00000273*	*0.00024995*	*0.00000320*	*0.00001092*	*0.00005770*	*0.00289311*	*0.00003502*
Conc Mean	0.00450513[mg/l]	1.71678520[mg/l]	0.01646267[mg/l]	0.02291725[mg/l]	0.00852873[mg/l]	13.02214400[mg/l]	0.00697405[mg/l]
Conc RSD	*2.79261123*	*1.41194827*	*1.16848761*	*0.73989110*	*2.17785595*	*1.46810802*	*3.02621187*
Conc SD	*0.00012581[mg/l]*	*0.02424012[mg/l]*	*0.00019236[mg/l]*	*0.00016956[mg/l]*	*0.00018574[mg/l]*	*0.19117914[mg/l]*	*0.00021105[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	12594.89500	11063091	20094911	2734.19350	5719.09460	623033	5819.28880
Int RSD	*0.79492294*	*1.05548811*	*0.55369611*	*4.11874470*	*4.51554867*	*0.90376618*	*0.35539181*
Int SD	*100.11971000*	*116770*	*111265*	*112.61445000*	*258.24850000*	*5630.76110*	*20.68127600*
RelInt Mean	0.00308943	0.33298857	11.99776500	0.00759197	0.00942530	0.36658230	0.00007398
RelInt RSD	*1.57002408*	*1.07375196*	*0.29863190*	*2.61081315*	*4.49191048*	*0.93293615*	*34.16205470*
RelInt SD	*0.00004850*	*0.00357547*	*0.03582915*	*0.00019821*	*0.00042338*	*0.00341998*	*0.00002527*
Conc Mean	0.02396466[mg/l]	11.71622500[mg/l]	47.79971800[mg/l]	6.17041520[mg/l]	2.84143310[mg/l]	0.28769536[mg/l]	0.00073821[mg/l]
Conc RSD	*1.59538470*	*1.07423893*	*0.29864691*	*2.64699546*	*4.62701374*	*0.93326820*	*26.44926197*
Conc SD	*0.00038233[mg/l]*	*0.12586025[mg/l]*	*0.14275238[mg/l]*	*0.16333061[mg/l]*	*0.13147350[mg/l]*	*0.00268497[mg/l]*	*0.00019525[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	58833.31900	34862.39300	76685.56100	6643.35020	4992.57010	19341.04000	6565.49570
Int RSD	*1.06964868*	*0.18022664*	*0.07483642*	*0.36795759*	*0.49165996*	*0.30388408*	*0.96083846*
Int SD	*629.30982000*	*62.83132000*	*57.38873100*	*24.44471100*	*24.54646800*	*58.77434200*	*63.08380800*
RelInt Mean	0.15840816	0.01579783	0.04078682	0.00026253	-0.00002211	0.00810099	0.01485043
RelInt RSD	*1.46398696*	*0.75477596*	*0.35077591*	*6.50526289*	*103.42701931*	*1.03844683*	*2.82305586*
RelInt SD	*0.00231907*	*0.00011924*	*0.00014307*	*0.00001708*	*0.00002287*	*0.00008412*	*0.00041924*
Conc Mean	7.01775660[mg/l]	0.14085912[mg/l]	1.27676380[mg/l]	0.01564525[mg/l]	<-0.00020061[mg/l]	0.15443162[mg/l]	0.01432260[mg/l]
Conc RSD	*1.49047746*	*0.76204942*	*0.35113012*	*5.81110860*	*793.79904292*	*1.04129180*	*2.77867266*
Conc SD	*0.10459808[mg/l]*	*0.00107342[mg/l]*	*0.00448310[mg/l]*	*0.00090916[mg/l]*	*0.00159245[mg/l]*	*0.00160808[mg/l]*	*0.00039798[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	504102	5536.58450	14867.90400	1684513	33069207	308124	4087257
Int RSD	*1.24463252*	*0.52875819*	*1.30406404*	*0.42601626*	*0.11501861*	*0.43215226*	*0.38967155*
Int SD	*6274.22290*	*29.27514400*	*193.88699000*	*7176.30050*	*38035.74200*	*1331.56480*	*15926.87700*
RelInt Mean	0.01346794	0.00015787	0.00005064	---	---	---	2.43781510
RelInt RSD	*1.29492409*	*7.38700543*	*8.16809293*	---	---	---	*0.11278024*
RelInt SD	*0.00017440*	*0.00001166*	*0.00000414*	---	---	---	*0.00274937*
Conc Mean	0.13189313[mg/l]	0.02330548[mg/l]	0.00465795[mg/l]	1674014	32987299	305827	>8.91715410[mg/l]
Conc RSD	*1.29471626*	*6.09267143*	*16.79874601*	---	---	---	*0.11278921*
Conc SD	*0.00170764[mg/l]*	*0.00141993[mg/l]*	*0.00078248[mg/l]*	*7168.30300*	*38015.46400*	*1426.88610*	*0.01005759[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	301.42671000	7929.23850	276395	23491.92600	8664.70860	81452.92800	
Int RSD	*54.28987033*	*2.84339070*	*2.00215652*	*0.76158715*	*0.32448410*	*0.51591172*	
Int SD	*163.64417000*	*225.45923000*	*5533.85490*	*178.91149000*	*28.11560200*	*420.22520000*	
RelInt Mean	-0.00023256	0.00078634	0.16007416	0.01078823	0.00031477	0.04524177	
RelInt RSD	*192.43647443*	*51.28431412*	*2.13271898*	*0.43432032*	*12.31408606*	*0.85888619*	
RelInt SD	*0.00044752*	*0.00040327*	*0.00341393*	*0.00004686*	*0.00003876*	*0.00038858*	
Conc Mean	<-0.00014548[mg/l]	<0.00446659[mg/l]	2.91747430[mg/l]	0.37915875[mg/l]	0.00099899[mg/l]	3.84035770[mg/l]	
Conc RSD	*1179.43151*	*92.21320748*	*2.14778166*	*0.44288971*	*15.62131598*	*0.85798185*	
Conc SD	*0.00171585[mg/l]*	*0.00411878[mg/l]*	*0.06266098[mg/l]*	*0.00167926[mg/l]*	*0.00015605[mg/l]*	*0.03294957[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 465035-013	Client ID	: DOOR-N-0.9GW-INT-25 TO 26-220628-L-CB
Seqnum	: 482261233100	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 292194	Time	: 30-JUN-2022 17:24
Cal	: 482261233001	Caldate	: 30-JUN-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	2.756	280	1.0		!<a- u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1545938	1635330	5.78

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 465035-013,292194			Sample Type: Unknown Sample
Measure Date: 2022-06-30 17:24:44	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	55526.25000	7860.64950	5366.88280	10964.76500	13759.44000	63967.82300	10045.13500
Int RSD	*0.33981900*	*1.27713836*	*1.07371340*	*0.68272839*	*1.97847078*	*0.30823392*	*0.09826375*
Int SD	*188.68875000*	*100.39137000*	*57.62494000*	*74.85956400*	*272.22650000*	*197.17053000*	*9.87072600*
RelInt Mean	0.00003908	0.01797017	0.00012493	0.00198080	0.00332087	0.20913900	0.00132134
RelInt RSD	*24.84613391*	*2.90690484*	*40.86006050*	*3.09817359*	*4.48958300*	*0.80874112*	*1.72034760*
RelInt SD	*0.00000971*	*0.00052238*	*0.00005105*	*0.00006137*	*0.00014909*	*0.00169139*	*0.00002273*
Conc Mean	<0.00030186[mg/l]	1.71036430[mg/l]	0.01114340[mg/l]	0.02437803[mg/l]	0.01053704[mg/l]	13.67101700[mg/l]	0.00755321[mg/l]
Conc RSD	*148.20414593*	*2.96192115*	*27.55353234*	*3.90792421*	*4.53810093*	*0.81755820*	*1.80256898*
Conc SD	*0.00044736[mg/l]*	*0.05065964[mg/l]*	*0.00307040[mg/l]*	*0.00095267[mg/l]*	*0.00047818[mg/l]*	*0.11176852[mg/l]*	*0.00013615[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	11001.82300	263774	18726809	2561.32540	5273.18950	622370	5770.26150
Int RSD	*0.12525689*	*0.27796525*	*0.70408995*	*6.67193712*	*1.77070985*	*0.25001926*	*0.75899221*
Int SD	*13.78054100*	*733.20129000*	*131854*	*170.89002000*	*93.37288600*	*1556.04490*	*43.79583500*
RelInt Mean	0.00223779	0.00652364	11.51576100	0.00715392	0.00817685	0.37718081	0.00012543
RelInt RSD	*0.63944161*	*0.52246814*	*1.22480790*	*6.29225286*	*3.60091249*	*0.54817171*	*26.61044645*
RelInt SD	*0.00001431*	*0.00003408*	*0.14104595*	*0.00045014*	*0.00029444*	*0.00206760*	*0.00003338*
Conc Mean	0.01725186[mg/l]	0.22430038[mg/l]	45.87927800[mg/l]	5.80945470[mg/l]	2.45374630[mg/l]	0.29601608[mg/l]	0.00113566[mg/l]
Conc RSD	*0.65379004*	*0.53490400*	*1.22488011*	*6.38487240*	*3.72632843*	*0.54835997*	*22.70515175*
Conc SD	*0.00011279[mg/l]*	*0.00119979[mg/l]*	*0.56196615[mg/l]*	*0.37092627[mg/l]*	*0.09143465[mg/l]*	*0.00162323[mg/l]*	*0.00025785[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	54118.91300	20058.38500	151490	6229.76970	4930.08390	7301.41400	6637.32850
Int RSD	*0.16490371*	*1.23956291*	*0.06875094*	*0.43237550*	*0.50398645*	*0.13578494*	*0.39773764*
Int SD	*89.24409700*	*248.63630000*	*104.15068000*	*26.93599800*	*24.84695500*	*9.91422090*	*26.39915400*
RelInt Mean	0.14408632	0.00717421	0.08804656	0.00010041	-0.00004548	0.00095585	0.01553790
RelInt RSD	*0.73643633*	*2.18259505*	*0.64299711*	*13.60892126*	*67.94920382*	*1.05354591*	*1.69155916*
RelInt SD	*0.00106110*	*0.00015658*	*0.00056614*	*0.00001366*	*0.00003090*	*0.00001007*	*0.00026283*
Conc Mean	6.37179370[mg/l]	0.06322661[mg/l]	2.75612560[mg/l]	0.00707498[mg/l]	<-0.00182835[mg/l]	0.01784836[mg/l]	0.01497521[mg/l]
Conc RSD	*0.75111005*	*2.22947095*	*0.64315534*	*10.25069864*	*117.71497624*	*1.07853216*	*1.66612448*
Conc SD	*0.04785918[mg/l]*	*0.00140962[mg/l]*	*0.01772617[mg/l]*	*0.00072524[mg/l]*	*0.00215224[mg/l]*	*0.00019250[mg/l]*	*0.00024951[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	413867	5517.28790	14530.80800	1635330	32950842	306403	375342
Int RSD	*1.74518038*	*0.23057439*	*0.19929388*	*0.59264293*	*0.81792851*	*0.79382639*	*0.33964890*
Int SD	*7222.73320*	*12.72145300*	*28.95901100*	*9691.66830*	*269514*	*2432.30430*	*1274.84340*
RelInt Mean	0.01080057	0.00015129	0.00005228	---	---	---	0.22734733
RelInt RSD	*1.21165928*	*16.96260348*	*5.85670188*	---	---	---	*0.59745707*
RelInt SD	*0.00013087*	*0.00002566*	*0.00000306*	---	---	---	*0.00135830*
Conc Mean	0.10577537[mg/l]	0.02256751[mg/l]	0.00496820[mg/l]	1625366	32869967	304191	0.83107546[mg/l]
Conc RSD	*1.21141774*	*13.89918986*	*11.66098523*	---	---	---	*0.59788109*
Conc SD	*0.00128138[mg/l]*	*0.00313670[mg/l]*	*0.00057934[mg/l]*	*9692.00620*	*269366*	*2443.41570*	*0.00496884[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	230.71797000	7808.11490	256895	18547.07400	8226.40430	79434.64000	
Int RSD	*31.35412729*	*1.55861513*	*0.28167300*	*0.90129074*	*0.35123228*	*1.04281410*	
Int SD	*72.33960600*	*121.69846000*	*723.60452000*	*167.16306000*	*28.89378700*	*828.35563000*	
RelInt Mean	-0.00045466	0.00062011	0.15292419	0.00817449	0.00007763	0.04538588	
RelInt RSD	*53.91636577*	*36.74277116*	*0.44088150*	*1.95844303*	*21.43103764*	*1.21430753*	
RelInt SD	*0.00024513*	*0.00022785*	*0.00067421*	*0.00016009*	*0.00001664*	*0.00055112*	
Conc Mean	<-0.00099705[mg/l]	<0.00276880[mg/l]	2.78622890[mg/l]	0.28548532[mg/l]	<0.00006008[mg/l]	3.85257770[mg/l]	
Conc RSD	*94.26600008*	*84.04717771*	*0.44434788*	*2.00975437*	*93.32735807*	*1.21303186*	
Conc SD	*0.00093988[mg/l]*	*0.00232710[mg/l]*	*0.01238055[mg/l]*	*0.00573755[mg/l]*	*0.00005607[mg/l]*	*0.04673299[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 465035-015	Client ID	: DOOR-N-0.3GE-DG-12 TO 25-220628-L-LA
Seqnum	: 482261233103	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 292194	Time	: 30-JUN-2022 17:34
Cal	: 482261233001	Caldate	: 30-JUN-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.03 ft2 --> 100.0 ml = 97.31 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.3045	30	0.97		!<a- u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1545938	1639923	6.08

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 465035-015,292194			Sample Type: Unknown Sample
Measure Date: 2022-06-30 17:34:28	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	55155.57700	5050.78150	5066.16080	10821.69900	13160.21800	62276.41300	9302.99670
Int RSD	*0.39687667*	*0.40650610*	*0.45819781*	*0.17908139*	*0.83915046*	*0.50256433*	*0.19272268*
Int SD	*218.89962000*	*20.53173500*	*23.21303800*	*19.37964900*	*110.43403000*	*312.97904000*	*17.92898500*
RelInt Mean	0.00003487	0.00885571	0.00000985	0.00197995	0.00300406	0.20519364	0.00090741
RelInt RSD	*10.32584784*	*5.28620201*	*189.17858836*	*1.76456655*	*1.88694474*	*0.66921572*	*1.26748627*
RelInt SD	*0.00000360*	*0.00046813*	*0.00001864*	*0.00003494*	*0.00005668*	*0.00137319*	*0.00001150*
Conc Mean	<0.00010815[mg/l]	0.82645026[mg/l]	0.00422091[mg/l]	0.02436475[mg/l]	0.00951330[mg/l]	13.41030400[mg/l]	0.00518516[mg/l]
Conc RSD	*153.41435143*	*5.49324965*	*26.56605733*	*2.22601306*	*1.94611186*	*0.67665453*	*1.22812815*
Conc SD	*0.00016592[mg/l]*	*0.04539898[mg/l]*	*0.00112133[mg/l]*	*0.00054236[mg/l]*	*0.00018514[mg/l]*	*0.09074143[mg/l]*	*0.00006368[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	11092.59700	215033	15627421	2708.01610	4944.98740	400561	6021.16460
Int RSD	*0.42031245*	*0.81772434*	*0.20722353*	*1.90410951*	*1.92830960*	*0.44437620*	*3.44530857*
Int SD	*46.62356600*	*1758.37490*	*32383.69300*	*51.56359200*	*95.35466700*	*1779.99820*	*207.44770000*
RelInt Mean	0.00235038	0.00508003	9.58065630	0.00777590	0.00705071	0.24012969	0.00034873
RelInt RSD	*1.91680050*	*0.79605167*	*0.38641095*	*1.42469008*	*5.83903414*	*0.25246469*	*34.94516456*
RelInt SD	*0.00004505*	*0.00004044*	*0.03702071*	*0.00011078*	*0.00041169*	*0.00060624*	*0.00012186*
Conc Mean	0.01813928[mg/l]	0.17348363[mg/l]	38.16927900[mg/l]	6.32198150[mg/l]	2.10403920[mg/l]	0.18841946[mg/l]	0.00286080[mg/l]
Conc RSD	*1.95770862*	*0.82054970*	*0.38643832*	*1.44396035*	*6.07620286*	*0.25260266*	*32.90930071*
Conc SD	*0.00035511[mg/l]*	*0.00142352[mg/l]*	*0.14750072[mg/l]*	*0.09128691[mg/l]*	*0.12784569[mg/l]*	*0.00047595[mg/l]*	*0.00094147[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	59679.78300	17565.16700	23974.83900	6079.30440	4894.00500	7128.40820	5916.79420
Int RSD	*0.18787366*	*1.16764236*	*0.15484579*	*0.52066078*	*1.01029568*	*2.46835640*	*3.26915393*
Int SD	*112.12259000*	*205.09833000*	*37.12402800*	*31.65255400*	*49.44392100*	*175.95452000*	*193.42911000*
RelInt Mean	0.16390493	0.00569906	0.00972263	0.00006512	-0.00000662	0.00095645	0.01314590
RelInt RSD	*0.66888519*	*1.69406615*	*0.71449176*	*19.09881117*	*811.19484668*	*12.87153178*	*3.33961045*
RelInt SD	*0.00109634*	*0.00009655*	*0.00006947*	*0.00001244*	*0.00005367*	*0.00012311*	*0.00043902*
Conc Mean	7.26568000[mg/l]	0.04994685[mg/l]	0.30454678[mg/l]	0.00519561[mg/l]	<0.00087829[mg/l]	0.01785986[mg/l]	0.01270450[mg/l]
Conc RSD	*0.68057678*	*1.74012271*	*0.71125139*	*12.67373736*	*425.58596491*	*13.17660538*	*3.28041335*
Conc SD	*0.04944853[mg/l]*	*0.00086914[mg/l]*	*0.00216609[mg/l]*	*0.00065848[mg/l]*	*0.00373787[mg/l]*	*0.00235332[mg/l]*	*0.00041676[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	231580	5338.93180	14144.08700	1639923	32771851	303838	361902
Int RSD	*3.88155203*	*0.55672253*	*0.71943887*	*0.45215406*	*0.50014255*	*0.36697635*	*0.45369511*
Int SD	*8988.89430*	*29.72303600*	*101.75806000*	*7414.97940*	*163906*	*1115.01280*	*1641.93380*
RelInt Mean	0.00530231	0.00014772	0.00003808	---	---	---	0.21855894
RelInt RSD	*5.31483034*	*8.49510991*	*6.66046645*	---	---	---	*0.22233067*
RelInt SD	*0.00028181*	*0.00001255*	*0.00000254*	---	---	---	*0.00048592*
Conc Mean	0.05193877[mg/l]	0.02226250[mg/l]	<0.00228073[mg/l]	1630123	32690898	301618	0.79892631[mg/l]
Conc RSD	*5.31269655*	*6.86753706*	*21.02188029*	---	---	---	*0.22247705*
Conc SD	*0.00275935[mg/l]*	*0.00152889[mg/l]*	*0.00047945[mg/l]*	*7429.94280*	*163822*	*1046.91490*	*0.00177743[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	245.49683000	7878.11080	154588	16137.25700	7992.34370	80411.06800	
Int RSD	*39.03018666*	*0.31635555*	*0.91942267*	*1.32992100*	*0.43220036*	*0.22422599*	
Int SD	*95.81787100*	*24.92284100*	*1421.31390*	*214.61277000*	*34.54293800*	*180.30251000*	
RelInt Mean	-0.00030231	0.00113669	0.08987394	0.00674091	0.00003353	0.04589924	
RelInt RSD	*78.24032558*	*30.15550548*	*1.05801363*	*1.60711018*	*61.07194200*	*0.37208758*	
RelInt SD	*0.00023653*	*0.00034277*	*0.00095088*	*0.00010833*	*0.00002048*	*0.00017079*	
Conc Mean	<-0.00041291[mg/l]	<0.00804487[mg/l]	1.62891430[mg/l]	0.23410739[mg/l]	<-0.00009293[mg/l]	3.89610840[mg/l]	
Conc RSD	*219.62676619*	*43.51742031*	*1.07085941*	*1.65845803*	*90.79289998*	*0.37170034*	
Conc SD	*0.00090686[mg/l]*	*0.00350092[mg/l]*	*0.01744338[mg/l]*	*0.00388257[mg/l]*	*0.00008438[mg/l]*	*0.01448185[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 465035-017	Client ID	: DOOR-N-0.5GE-DG-11 TO 25-220628-L-LA
Seqnum	: 482261233104	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 292194	Time	: 30-JUN-2022 17:37
Cal	: 482261233001	Caldate	: 30-JUN-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.03 ft2 --> 100.0 ml = 97.31 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.3404	33	0.97		!<a- u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1545938	1646477	6.50

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 465035-017,292194			Sample Type: Unknown Sample
Measure Date: 2022-06-30 17:37:43	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	55258.84800	6998.92990	5074.64150	10667.68800	13104.96000	58643.87100	9217.52120
Int RSD	*0.77219004*	*2.35378040*	*0.69287393*	*1.45342721*	*0.95402000*	*0.58797940*	*0.43062110*
Int SD	*426.70332000*	*164.73944000*	*35.16086800*	*155.04708000*	*125.02394000*	*344.81388000*	*39.69259100*
RelInt Mean	0.00003178	0.01500253	-0.00002910	0.00191242	0.00295881	0.19020771	0.00084026
RelInt RSD	*2.67362744*	*3.34547084*	*85.49906725*	*6.26499872*	*2.88967048*	*0.77832597*	*0.91907244*
RelInt SD	*0.00000085*	*0.00050191*	*0.00002488*	*0.00011981*	*0.00008550*	*0.00148044*	*0.00000772*
Conc Mean	<-0.00003440[mg/l]	1.42256500[mg/l]	<0.00187915[mg/l]	0.02331646[mg/l]	0.00937538[mg/l]	12.42002100[mg/l]	0.00472378[mg/l]
Conc RSD	*113.79359988*	*3.42159761*	*79.62719147*	*7.97699462*	*2.93312688*	*0.78767028*	*0.99895484*
Conc SD	*0.00003915[mg/l]*	*0.04867445[mg/l]*	*0.00149632[mg/l]*	*0.00185995[mg/l]*	*0.00027499[mg/l]*	*0.09782881[mg/l]*	*0.00004719[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	10813.40900	179609	14218242	2644.13070	5415.90950	470161	5637.37060
Int RSD	*0.16581597*	*0.74322400*	*0.94704746*	*2.50110575*	*1.66836809*	*0.78579953*	*0.25555505*
Int SD	*17.93035900*	*1334.89950*	*134654*	*66.13250500*	*90.35730600*	*3694.52440*	*14.40658500*
RelInt Mean	0.00218788	0.00396209	8.68132860	0.00729213	0.00848366	0.28173359	0.00008686
RelInt RSD	*0.63773062*	*1.03193117*	*1.28991477*	*2.99949415*	*6.17857941*	*1.13300746*	*17.26782743*
RelInt SD	*0.00001395*	*0.00004089*	*0.11198174*	*0.00021873*	*0.00052417*	*0.00319206*	*0.00001500*
Conc Mean	0.01685840[mg/l]	0.13413117[mg/l]	34.58610500[mg/l]	5.92334310[mg/l]	2.54902170[mg/l]	0.22108201[mg/l]	0.00083774[mg/l]
Conc RSD	*0.65237553*	*1.07300622*	*1.29001774*	*3.04279673*	*6.38572790*	*1.13353343*	*13.83243312*
Conc SD	*0.00010998[mg/l]*	*0.00143924[mg/l]*	*0.44616689[mg/l]*	*0.18023529[mg/l]*	*0.16277359[mg/l]*	*0.00250604[mg/l]*	*0.00011588[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	63004.60100	16145.21000	25936.45800	6131.36320	4868.67330	7048.21010	6294.69590
Int RSD	*0.63467451*	*1.03468118*	*0.68936649*	*0.16621896*	*0.37863009*	*0.43872366*	*0.57400721*
Int SD	*399.87414000*	*167.05145000*	*178.79725000*	*10.19148800*	*18.43426200*	*30.92216500*	*36.13200800*
RelInt Mean	0.17177948	0.00478655	0.01087218	0.00007343	-0.00003981	0.00083168	0.01419456
RelInt RSD	*1.40093683*	*2.42433548*	*1.29042505*	*19.75980665*	*31.02891891*	*3.68561342*	*1.64800093*
RelInt SD	*0.00240652*	*0.00011604*	*0.00014030*	*0.00001451*	*0.00001235*	*0.00003065*	*0.00023393*
Conc Mean	7.62084910[mg/l]	0.04173212[mg/l]	0.34041168[mg/l]	0.00564434[mg/l]	<-0.00143317[mg/l]	0.01547474[mg/l]	0.01369999[mg/l]
Conc RSD	*1.42427961*	*2.50322030*	*1.28910947*	*13.64010178*	*60.02051739*	*3.78643055*	*1.62091367*
Conc SD	*0.10854220[mg/l]*	*0.00104465[mg/l]*	*0.00438828[mg/l]*	*0.00076989[mg/l]*	*0.00086020[mg/l]*	*0.00058594[mg/l]*	*0.00022207[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	355516	5397.18600	14434.07900	1646477	33041723	308666	294510
Int RSD	*0.71197137*	*0.09967229*	*1.65239847*	*0.34710590*	*0.12512736*	*0.70207078*	*0.04089143*
Int SD	*2531.17070*	*5.37949870*	*238.50850000*	*5715.01770*	*41344.23600*	*2167.05260*	*120.42955000*
RelInt Mean	0.00900184	0.00014921	0.00005068	---	---	---	0.17649356
RelInt RSD	*0.85747329*	*9.86394157*	*5.94554391*	---	---	---	*0.31912675*
RelInt SD	*0.00007719*	*0.00001472*	*0.00000301*	---	---	---	*0.00056324*
Conc Mean	0.08816304[mg/l]	0.02235823[mg/l]	0.00466615[mg/l]	1636709	32961170	306472	0.64504817[mg/l]
Conc RSD	*0.85727111*	*8.03128190*	*12.21818951*	---	---	---	*0.31942117*
Conc SD	*0.00075580[mg/l]*	*0.00179565[mg/l]*	*0.00057012[mg/l]*	*5688.73210*	*41354.42900*	*2180.83440*	*0.00206042[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	270.55921000	8005.35820	237654	17567.56200	7959.34510	82869.22500	
Int RSD	*39.21842099*	*0.47789261*	*0.56586541*	*0.42522564*	*0.35114929*	*0.27202614*	
Int SD	*106.10905000*	*38.25701500*	*1344.80070*	*74.70177800*	*27.94918400*	*225.42595000*	
RelInt Mean	-0.00044414	0.00133558	0.14019653	0.00754783	-0.00003994	0.04717698	
RelInt RSD	*88.57384288*	*22.32231415*	*0.66587393*	*0.93168956*	*63.30145337*	*0.58220477*	
RelInt SD	*0.00039339*	*0.00029813*	*0.00093353*	*0.00007032*	*0.00002528*	*0.00027467*	
Conc Mean	<-0.00095671[mg/l]	<0.01007630[mg/l]	2.55262180[mg/l]	0.26302642[mg/l]	<-0.00038130[mg/l]	4.00445550[mg/l]	
Conc RSD	*157.65469039*	*30.21925903*	*0.67135288*	*0.95818386*	*27.33282677*	*0.58161600*	
Conc SD	*0.00150830[mg/l]*	*0.00304498[mg/l]*	*0.01713710[mg/l]*	*0.00252028[mg/l]*	*0.00010422[mg/l]*	*0.02329055[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 465035-019	Client ID	: DOOR-N-0.8GE-EXT-10 TO 11-220628-L-CB
Seqnum	: 482261233105	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 292194	Time	: 30-JUN-2022 17:40
Cal	: 482261233001	Caldate	: 30-JUN-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.2311	23	1.0		!<a- u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1545938	1640831	6.14

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 465035-019,292194			Sample Type: Unknown Sample
Measure Date: 2022-06-30 17:40:57	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	55426.92000	4173.90980	5020.48020	10664.60800	13330.15100	52478.52400	9201.02060
Int RSD	*0.33060634*	*2.78491021*	*0.42787791*	*0.53999090*	*0.66743693*	*0.77324884*	*0.61726530*
Int SD	*183.24491000*	*116.23964000*	*21.48152600*	*57.58791300*	*88.97035000*	*405.78958000*	*56.79470700*
RelInt Mean	0.00003921	0.00593293	-0.00007358	0.00191386	0.00312346	0.17203464	0.00085658
RelInt RSD	*12.98797369*	*0.52645071*	*27.01463801*	*1.04465648*	*1.92116293*	*1.18716196*	*1.28065199*
RelInt SD	*0.00000509*	*0.00003123*	*0.00001988*	*0.00001999*	*0.00006001*	*0.00204233*	*0.00001097*
Conc Mean	<0.00030806[mg/l]	0.54300118[mg/l]	<-0.00079800[mg/l]	0.02333881[mg/l]	0.00990422[mg/l]	11.21912800[mg/l]	0.00489856[mg/l]
Conc RSD	*76.17242260*	*0.55783407*	*149.81249904*	*1.32985011*	*1.94723097*	*1.20293547*	*1.38901342*
Conc SD	*0.00023466[mg/l]*	*0.00302905[mg/l]*	*0.00119551[mg/l]*	*0.00031037[mg/l]*	*0.00019286[mg/l]*	*0.13495887[mg/l]*	*0.00006804[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	11164.59600	229982	15554526	2210.14060	4521.37320	368211	5619.55090
Int RSD	*0.10155206*	*1.21659011*	*0.38376700*	*0.82658891*	*2.95355225*	*0.85329522*	*0.43562426*
Int SD	*11.33787700*	*2797.93560*	*59693.13800*	*18.26877700*	*133.54112000*	*3141.92500*	*24.48012700*
RelInt Mean	0.00240673	0.00545823	9.53038720	0.00603812	0.00547156	0.22018116	0.00008439
RelInt RSD	*0.65316894*	*1.30676582*	*0.21739122*	*2.72733078*	*8.64218115*	*0.76329887*	*10.86113781*
RelInt SD	*0.00001572*	*0.00007133*	*0.02071823*	*0.00016468*	*0.00047286*	*0.00168064*	*0.00000917*
Conc Mean	0.01858346[mg/l]	0.18679697[mg/l]	37.96899300[mg/l]	4.89001430[mg/l]	1.61365420[mg/l]	0.17275819[mg/l]	0.00081864[mg/l]
Conc RSD	*0.66677659*	*1.34411431*	*0.21740711*	*2.77502542*	*9.09988150*	*0.76375163*	*8.64993576*
Conc SD	*0.00012391[mg/l]*	*0.00251076[mg/l]*	*0.08254729[mg/l]*	*0.13569914[mg/l]*	*0.14684062[mg/l]*	*0.00131944[mg/l]*	*0.00007081[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	55161.80500	16666.40000	20148.19200	6131.35070	4871.72200	7452.89660	5212.84910
Int RSD	*1.02052475*	*0.33329511*	*0.23301158*	*0.40122970*	*0.47559974*	*0.46134672*	*1.46031714*
Int SD	*562.93987000*	*55.54829600*	*46.94762000*	*24.60080000*	*23.16989700*	*34.38369400*	*76.12412900*
RelInt Mean	0.14826353	0.00514751	0.00737556	0.00011021	-0.00004715	0.00107871	0.01076391
RelInt RSD	*1.60920605*	*1.33761861*	*1.07387232*	*17.89330857*	*49.17388939*	*0.63715521*	*2.23458694*
RelInt SD	*0.00238587*	*0.00006885*	*0.00007920*	*0.00001972*	*0.00002319*	*0.00000687*	*0.00024053*
Conc Mean	6.56019960[mg/l]	0.04498162[mg/l]	0.23113357[mg/l]	0.00758787[mg/l]	<-0.00194481[mg/l]	0.02019684[mg/l]	0.01044330[mg/l]
Conc RSD	*1.64035314*	*1.37799805*	*1.07291066*	*13.79308950*	*83.03196093*	*0.65051176*	*2.18640150*
Conc SD	*0.10761044[mg/l]*	*0.00061985[mg/l]*	*0.00247986[mg/l]*	*0.00104660[mg/l]*	*0.00161481[mg/l]*	*0.00013138[mg/l]*	*0.00022833[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	203416	5407.07780	13891.82500	1640831	33212724	305280	271482
Int RSD	*7.29538878*	*0.68185906*	*0.81879717*	*0.30031194*	*0.28892331*	*0.49423913*	*0.29418980*
Int SD	*14840.00700*	*36.86865000*	*113.74587000*	*4927.61260*	*95959.30300*	*1508.81500*	*798.67184000*
RelInt Mean	0.00437667	0.00014280	0.00003022	---	---	---	0.16300638
RelInt RSD	*10.53083101*	*17.48773093*	*2.86210657*	---	---	---	*0.11728234*
RelInt SD	*0.00046090*	*0.00002497*	*0.00000087*	---	---	---	*0.00019118*
Conc Mean	0.04287532[mg/l]	0.02169087[mg/l]	<0.00079595[mg/l]	1631054	33131737	303082	0.59571004[mg/l]
Conc RSD	*10.52570786*	*14.08029629*	*20.56454211*	---	---	---	*0.11740062*
Conc SD	*0.00451293[mg/l]*	*0.00305414[mg/l]*	*0.00016368[mg/l]*	*4906.55350*	*95770.18900*	*1487.09030*	*0.00069937[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	230.14761000	7943.97680	118586	16428.02000	7973.42400	72332.35200	
Int RSD	*26.97958280*	*0.33704234*	*0.44312422*	*1.17194269*	*0.12832063*	*0.52137096*	
Int SD	*62.09286500*	*26.77456500*	*525.48440000*	*192.52698000*	*10.23154800*	*377.11988000*	
RelInt Mean	-0.00041090	0.00103311	0.06784646	0.00685922	0.00002601	0.04090955	
RelInt RSD	*66.41587638*	*2.08804700*	*0.23931066*	*1.45154650*	*181.78253093*	*0.28929300*	
RelInt SD	*0.00027290*	*0.00002157*	*0.00016236*	*0.00009956*	*0.00004728*	*0.00011835*	
Conc Mean	<-0.00082927[mg/l]	<0.00698702[mg/l]	1.22464990[mg/l]	0.23834735[mg/l]	<-0.00010508[mg/l]	3.47300440[mg/l]	
Conc RSD	*126.17558025*	*3.15333884*	*0.24346837*	*1.49709800*	*181.19553263*	*0.28895587*	
Conc SD	*0.00104634[mg/l]*	*0.00022032[mg/l]*	*0.00298164[mg/l]*	*0.00356829[mg/l]*	*0.00019039[mg/l]*	*0.01003545[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 465035-021	Client ID	: DOOR-N-0.9GE-DG-12 TO 26-220628-L-LA
Seqnum	: 482261233106	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 292194	Time	: 30-JUN-2022 17:44
Cal	: 482261233001	Caldate	: 30-JUN-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.03 ft2 --> 100.0 ml = 97.31 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.6159	60	0.97		!<a- u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1545938	1640061	6.09

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 465035-021,292194			Sample Type: Unknown Sample
Measure Date: 2022-06-30 17:44:12	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	55295.41000	6131.14810	5224.08420	10624.99300	14791.11300	61148.41600	9584.62380
Int RSD	*0.09608601*	*1.11330953*	*0.32379804*	*0.73884808*	*1.56672956*	*0.46181242*	*0.62898822*
Int SD	*53.13115200*	*68.25865600*	*16.91548200*	*78.50255700*	*231.73674000*	*282.39098000*	*60.28615500*
RelInt Mean	0.00003755	0.01226894	0.00000762	0.00189082	0.00400827	0.19986520	0.00107799
RelInt RSD	*3.98646848*	*1.69339510*	*167.21606374*	*4.14095916*	*2.21557657*	*0.38002531*	*4.73856248*
RelInt SD	*0.00000150*	*0.00020776*	*0.00001274*	*0.00007830*	*0.00008881*	*0.00075954*	*0.00005108*
Conc Mean	<0.00023138[mg/l]	1.15746330[mg/l]	0.00408386[mg/l]	0.02298106[mg/l]	0.01274488[mg/l]	13.05819600[mg/l]	0.00617327[mg/l]
Conc RSD	*29.80799744*	*1.74075204*	*18.77894716*	*5.28904761*	*2.23750643*	*0.38436444*	*4.94139842*
Conc SD	*0.00006897[mg/l]*	*0.02014857[mg/l]*	*0.00076691[mg/l]*	*0.00121548[mg/l]*	*0.00028517[mg/l]*	*0.05019106[mg/l]*	*0.00030505[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	11712.66600	210194	17278234	2546.75100	5154.80670	508904	5709.89020
Int RSD	*0.74161719*	*1.01902628*	*0.19460789*	*4.03545655*	*2.57642076*	*0.69494639*	*0.79160897*
Int SD	*86.86314500*	*2141.93190*	*33624.80600*	*102.77303000*	*132.80951000*	*3536.60770*	*45.20000300*
RelInt Mean	0.00273472	0.00490527	10.59303800	0.00712151	0.00777913	0.30654251	0.00011759
RelInt RSD	*3.11837251*	*0.65193241*	*0.94165940*	*6.07886736*	*5.11918314*	*0.55963896*	*28.58295519*
RelInt SD	*0.00008528*	*0.00003198*	*0.09975034*	*0.00043291*	*0.00039823*	*0.00171553*	*0.00003361*
Conc Mean	0.02116874[mg/l]	0.16733218[mg/l]	42.20289100[mg/l]	5.78274860[mg/l]	2.33023870[mg/l]	0.24055909[mg/l]	0.00107512[mg/l]
Conc RSD	*3.17539825*	*0.67273258*	*0.94172063*	*6.16875944*	*5.30692757*	*0.55987687*	*24.15200137*
Conc SD	*0.00067219[mg/l]*	*0.00112570[mg/l]*	*0.39743333[mg/l]*	*0.35672385[mg/l]*	*0.12366408[mg/l]*	*0.00134683[mg/l]*	*0.00025966[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	63479.35500	17721.07200	40236.29100	6126.96160	4958.44070	7098.00080	6106.27700
Int RSD	*0.32172855*	*0.45634397*	*0.29057420*	*0.61326732*	*0.62765595*	*0.82974509*	*2.38734863*
Int SD	*204.23121000*	*80.86904300*	*116.91628000*	*37.57465300*	*31.12194800*	*58.89531300*	*145.77812000*
RelInt Mean	0.17508871	0.00578494	0.01967182	0.00007273	-0.00002321	0.00076309	0.01393134
RelInt RSD	*0.39082691*	*1.80254138*	*0.51042326*	*46.86432807*	*26.69629099*	*6.47264737*	*2.01208039*
RelInt SD	*0.00068429*	*0.00010428*	*0.00010041*	*0.00003408*	*0.00000620*	*0.00004939*	*0.00028031*
Conc Mean	7.77010620[mg/l]	0.05071993[mg/l]	0.61591790[mg/l]	0.00558193[mg/l]	<-0.00027714[mg/l]	0.01416358[mg/l]	0.01345011[mg/l]
Conc RSD	*0.39721384*	*1.85080008*	*0.51030756*	*32.37434921*	*155.68606090*	*6.66609322*	*1.97838896*
Conc SD	*0.03086394[mg/l]*	*0.00093872[mg/l]*	*0.00314308[mg/l]*	*0.00180712[mg/l]*	*0.00043147[mg/l]*	*0.00094416[mg/l]*	*0.00026610[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	283087	5556.97560	14323.24600	1640061	32960665	306372	493890
Int RSD	*1.02477932*	*0.14906481*	*0.24239876*	*0.76819483*	*0.93312723*	*0.63209876*	*0.28249389*
Int SD	*2901.01930*	*8.28349490*	*34.71937000*	*12598.86000*	*307565*	*1936.57140*	*1395.20890*
RelInt Mean	0.00683912	0.00017258	0.00004392	---	---	---	0.29948337
RelInt RSD	*1.82952786*	*10.62046657*	*10.45046968*	---	---	---	*0.72531921*
RelInt SD	*0.00012512*	*0.00001833*	*0.00000459*	---	---	---	*0.00217221*
Conc Mean	0.06698663[mg/l]	0.02526553[mg/l]	0.00338638[mg/l]	1630220	32879914	304183	1.09495340[mg/l]
Conc RSD	*1.82895834*	*8.84875502*	*25.64135557*	---	---	---	*0.72567577*
Conc SD	*0.00122516[mg/l]*	*0.00223568[mg/l]*	*0.00086831[mg/l]*	*12594.29400*	*307761*	*1975.13960*	*0.00794581[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	239.58984000	7877.90220	205006	18721.96700	8011.32730	77455.57200	
Int RSD	*28.31616942*	*0.90155995*	*0.55170343*	*0.89997029*	*0.44483277*	*0.25673471*	
Int SD	*67.84266500*	*71.02401100*	*1131.02630*	*168.49214000*	*35.63700900*	*198.85534000*	
RelInt Mean	-0.00031977	0.00085104	0.12082713	0.00818674	0.00001479	0.04401926	
RelInt RSD	*57.30214793*	*13.85035363*	*0.77852242*	*1.09049699*	*325.97077548*	*0.60041435*	
RelInt SD	*0.00018324*	*0.00011787*	*0.00094067*	*0.00008928*	*0.00004820*	*0.00026430*	
Conc Mean	<-0.00047988[mg/l]	<0.00512745[mg/l]	2.19709450[mg/l]	0.28592418[mg/l]	<-0.00016819[mg/l]	3.73669400[mg/l]	
Conc RSD	*146.40135123*	*23.47934364*	*0.78583761*	*1.11902404*	*117.45098163*	*0.59976402*	
Conc SD	*0.00070255[mg/l]*	*0.00120389[mg/l]*	*0.01726560[mg/l]*	*0.00319956[mg/l]*	*0.00019754[mg/l]*	*0.02241135[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 465035-024	Client ID	: DOOR-N-0.9GE-PS-25-220628-L-LA
Seqnum	: 482261233107	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 292194	Time	: 30-JUN-2022 17:47
Cal	: 482261233001	Caldate	: 30-JUN-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.03 ft2 --> 100.0 ml = 97.31 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.6455	63	0.97		!<a- u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1545938	1657462	7.21

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 465035-024,292194			Sample Type: Unknown Sample
Measure Date: 2022-06-30 17:47:28	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	55441.26500	5461.70320	5200.36750	10810.78400	15753.90800	67294.59600	9515.10110
Int RSD	*1.14252034*	*1.14452600*	*0.27506841*	*1.03961054*	*0.37967499*	*1.16166262*	*0.46447977*
Int SD	*633.42773000*	*62.51061300*	*14.30456800*	*112.39005000*	*59.81364900*	*781.73617000*	*44.19572000*
RelInt Mean	0.00003286	0.00964291	0.00005092	0.00191520	0.00452840	0.21974825	0.00099032
RelInt RSD	*12.18778672*	*2.57869775*	*47.25740045*	*2.15004219*	*1.34112406*	*1.11215725*	*2.40424224*
RelInt SD	*0.00000401*	*0.00024866*	*0.00002407*	*0.00004118*	*0.00006073*	*0.00244395*	*0.00002381*
Conc Mean	<0.00001557[mg/l]	0.90279272[mg/l]	0.00668895[mg/l]	0.02335960[mg/l]	0.01441478[mg/l]	14.37208600[mg/l]	0.00565289[mg/l]
Conc RSD	*1185.65911*	*2.67115778*	*21.63896758*	*2.73648433*	*1.35400947*	*1.12369262*	*2.63422481*
Conc SD	*0.00018455[mg/l]*	*0.02411502[mg/l]*	*0.00144742[mg/l]*	*0.00063923[mg/l]*	*0.00019518[mg/l]*	*0.16149807[mg/l]*	*0.00014891[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	11702.73000	211896	18645267	2942.32300	5098.71370	561423	5725.04810
Int RSD	*0.18334521*	*0.95792964*	*0.16337905*	*1.86349449*	*1.79052499*	*0.20049930*	*0.55245768*
Int SD	*21.45639500*	*2029.80990*	*30462.46000*	*54.83002700*	*91.29374300*	*1125.64910*	*31.62846800*
RelInt Mean	0.00267114	0.00488244	11.31062900	0.00824774	0.00720915	0.33515888	0.00013437
RelInt RSD	*0.49132197*	*1.72845056*	*0.59703230*	*3.14365326*	*4.80207916*	*0.80272807*	*8.38865715*
RelInt SD	*0.00001312*	*0.00008439*	*0.06752811*	*0.00025928*	*0.00034619*	*0.00269041*	*0.00001127*
Conc Mean	0.02066764[mg/l]	0.16652842[mg/l]	45.06197400[mg/l]	6.71078860[mg/l]	2.15323820[mg/l]	0.26302534[mg/l]	0.00120474[mg/l]
Conc RSD	*0.50052442*	*1.78386602*	*0.59706632*	*3.18371123*	*4.99267243*	*0.80304175*	*7.22815456*
Conc SD	*0.00010345[mg/l]*	*0.00297064[mg/l]*	*0.26904987[mg/l]*	*0.21365213[mg/l]*	*0.10750413[mg/l]*	*0.00211220[mg/l]*	*0.00008708[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	63176.83800	26279.54400	42143.87700	6163.59540	4934.12840	7561.45080	6619.39130
Int RSD	*0.43777306*	*0.40934763*	*0.50975597*	*0.49651729*	*0.92412007*	*0.53994684*	*2.82477680*
Int SD	*276.57118000*	*107.57469000*	*214.83093000*	*30.60331700*	*45.59727100*	*40.82781500*	*186.98303000*
RelInt Mean	0.17354038	0.01088188	0.02061573	0.00009680	-0.00001753	0.00112148	0.01517671
RelInt RSD	*0.40344237*	*1.33075320*	*0.06412041*	*24.61752302*	*94.93941275*	*1.83113038*	*3.44020070*
RelInt SD	*0.00070014*	*0.00014481*	*0.00001322*	*0.00002383*	*0.00001664*	*0.00002054*	*0.00052211*
Conc Mean	7.70027120[mg/l]	0.09660417[mg/l]	0.64551571[mg/l]	0.00686334[mg/l]	<0.00011823[mg/l]	0.02101435[mg/l]	0.01463234[mg/l]
Conc RSD	*0.41009632*	*1.34945596*	*0.06344181*	*18.43313751*	*980.31693324*	*1.86801532*	*3.38725459*
Conc SD	*0.03157853[mg/l]*	*0.00130363[mg/l]*	*0.00040953[mg/l]*	*0.00126513[mg/l]*	*0.00115906[mg/l]*	*0.00039255[mg/l]*	*0.00049563[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	284971	5434.23780	14158.90400	1657462	33377850	306717	406174
Int RSD	*6.02621069*	*0.26797657*	*3.17728477*	*0.63376251*	*0.32729819*	*0.02878998*	*0.42390667*
Int SD	*17172.93600*	*14.56248400*	*449.86870000*	*10504.37400*	*109245*	*88.30371600*	*1721.79660*
RelInt Mean	0.00679557	0.00014754	0.00003678	---	---	---	0.24308784
RelInt RSD	*7.19615858*	*7.84536118*	*17.63708369*	---	---	---	*0.99460458*
RelInt SD	*0.00048902*	*0.00001158*	*0.00000649*	---	---	---	*0.00241776*
Conc Mean	0.06656016[mg/l]	0.02220874[mg/l]	<0.00203686[mg/l]	1647608	33296240	304469	0.88865387[mg/l]
Conc RSD	*7.19390351*	*6.39891691*	*60.25958759*	---	---	---	*0.99525212*
Conc SD	*0.00478827[mg/l]*	*0.00142112[mg/l]*	*0.00122740[mg/l]*	*10485.56300*	*109168*	*130.42726000*	*0.00884435[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	316.31131000	7881.24730	168898	17130.48200	8058.97980	82053.36100	
Int RSD	*5.30184457*	*0.42096058*	*0.96800738*	*0.92006786*	*0.60677200*	*0.32684571*	
Int SD	*16.77033400*	*33.17694400*	*1634.94820*	*157.61206000*	*48.89963300*	*268.18789000*	
RelInt Mean	-0.00024534	0.00085527	0.09756558	0.00721144	-0.00000094	0.04637008	
RelInt RSD	*44.95772175*	*25.48496656*	*0.89867314*	*1.31297618*	*3482.32285*	*0.54819059*	
RelInt SD	*0.00011030*	*0.00021797*	*0.00087680*	*0.00009468*	*0.00003267*	*0.00025420*	
Conc Mean	<-0.00019449[mg/l]	<0.00517065[mg/l]	1.77013020[mg/l]	0.25097038[mg/l]	<-0.00024121[mg/l]	3.93603400[mg/l]	
Conc RSD	*217.43525878*	*43.05449444*	*0.90923289*	*1.35210669*	*55.64595932*	*0.54762715*	
Conc SD	*0.00042290[mg/l]*	*0.00222620[mg/l]*	*0.01609461[mg/l]*	*0.00339339[mg/l]*	*0.00013422[mg/l]*	*0.02155479[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst : MET06 Lab ID : 465035-026 Client ID : 220628-L-MEDBLANK
Seqnum : 482261233108 Matrix : Wipe Acct : RINCON-BERK (JG)
File : met06_master Batch : 292194 Time : 30-JUN-2022 17:50
Cal : 482261233001 Caldate : 30-JUN-2022
IDF : 1.0 Raw Units : mg/l Units : ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.004357	ND	1.0		!<a- u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1545938	1670649	8.07

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 465035-026,292194			Sample Type: Unknown Sample
Measure Date: 2022-06-30 17:50:42	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	54767.65000	2306.74650	4672.94700	10072.37100	12844.42700	12629.01900	7628.02880
Int RSD	*0.11128380*	*3.94253456*	*0.67289374*	*0.72503598*	*0.69870029*	*1.63668611*	*0.78296482*
Int SD	*60.94752000*	*90.94427800*	*31.44396800*	*73.02831400*	*89.74404900*	*206.69740000*	*59.72478200*
RelInt Mean	0.00004394	0.00062134	-0.00022912	0.00171428	0.00293058	0.03968999	0.00000455
RelInt RSD	*2.85543288*	*25.23629749*	*9.25476157*	*1.67002488*	*3.54345261*	*1.76043855*	*212.99732443*
RelInt SD	*0.00000125*	*0.00015680*	*0.00002120*	*0.00002863*	*0.00010384*	*0.00069872*	*0.00000970*
Conc Mean	<0.00052583[mg/l]	<0.02788708[mg/l]	<-0.01013835[mg/l]	0.02024060[mg/l]	0.00928727[mg/l]	2.47367890[mg/l]	<-0.00009823[mg/l]
Conc RSD	*10.99375173*	*54.52938748*	*12.58141760*	*2.19572910*	*3.57856232*	*1.86652576*	*57.37949316*
Conc SD	*0.00005781[mg/l]*	*0.01520666[mg/l]*	*0.00127555[mg/l]*	*0.00044443[mg/l]*	*0.00033235[mg/l]*	*0.04617185[mg/l]*	*0.00005637[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7219.10750	56922.66500	37531.82600	799.45143000	4542.89030	37192.32500	5264.19750
Int RSD	*0.67969226*	*0.05908527*	*1.98727587*	*3.06632074*	*3.42176279*	*0.66239865*	*0.09591544*
Int SD	*49.06771500*	*33.63290900*	*745.86092000*	*24.51374500*	*155.44693000*	*246.36146000*	*5.04917800*
RelInt Mean	0.00018476	0.00027767	0.01740089	0.00136665	0.00570706	0.01733314	-0.00000333
RelInt RSD	*8.61391899*	*2.18996918*	*2.69000876*	*1.56460271*	*2.25258995*	*0.81242836*	*1221.65783*
RelInt SD	*0.00001592*	*0.00000608*	*0.00046809*	*0.00002138*	*0.00012856*	*0.00014082*	*0.00004063*
Conc Mean	0.00106924[mg/l]	0.00443531[mg/l]	0.06658814[mg/l]	1.04063120[mg/l]	1.68678570[mg/l]	0.01350548[mg/l]	<0.00014097[mg/l]
Conc RSD	*11.73246673*	*4.82608912*	*2.80077237*	*1.69317420*	*2.36671600*	*0.81859347*	*222.66543465*
Conc SD	*0.00012545[mg/l]*	*0.00021405[mg/l]*	*0.00186498[mg/l]*	*0.01761970[mg/l]*	*0.03992143[mg/l]*	*0.00011056[mg/l]*	*0.00031390[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	34021.08500	8352.85860	8153.40300	5794.43850	4750.59910	5580.79630	3316.18380
Int RSD	*1.33068590*	*0.43697232*	*0.38447521*	*0.94030217*	*0.79376433*	*0.38085459*	*1.64711956*
Int SD	*452.71378000*	*36.49968000*	*31.34781300*	*54.48523100*	*37.70856100*	*21.25471900*	*54.62151200*
RelInt Mean	0.07715444	0.00017191	0.00012766	-0.00000577	-0.00001982	-0.00007096	0.00473294
RelInt RSD	*1.64154368*	*14.98270826*	*16.53463534*	*489.16586127*	*128.77344424*	*33.55741934*	*2.94664496*
RelInt SD	*0.00126652*	*0.00002576*	*0.00002111*	*0.00002824*	*0.00002552*	*0.00002381*	*0.00013946*
Conc Mean	3.35293880[mg/l]	<0.00018970[mg/l]	0.00435727[mg/l]	<0.00153103[mg/l]	<-0.00004118[mg/l]	<-0.00177976[mg/l]	0.00471815[mg/l]
Conc RSD	*1.70371520*	*122.23226741*	*15.22826323*	*97.99540115*	*4316.16485*	*25.57603195*	*2.80600201*
Conc SD	*0.05712453[mg/l]*	*0.00023187[mg/l]*	*0.00066354[mg/l]*	*0.00150034[mg/l]*	*0.00177740[mg/l]*	*0.00045519[mg/l]*	*0.00013239[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	69128.82800	5287.97930	13329.77500	1670649	33550715	311833	263804
Int RSD	*7.22905703*	*0.22141125*	*1.85602915*	*0.61692609*	*0.68699654*	*0.10408316*	*0.31044329*
Int SD	*4997.36240*	*11.70818100*	*247.40451000*	*10306.66900*	*230492*	*324.56581000*	*818.96058000*
RelInt Mean	0.00034259	0.00012088	0.00002802	---	---	---	0.15550904
RelInt RSD	*44.55254460*	*8.42149732*	*23.67512128*	---	---	---	*0.89122980*
RelInt SD	*0.00015263*	*0.00001018*	*0.00000663*	---	---	---	*0.00138594*
Conc Mean	0.00337538[mg/l]	0.01911473[mg/l]	<0.00037862[mg/l]	1661263	33471109	309645	0.56829297[mg/l]
Conc RSD	*44.27723135*	*6.50559838*	*331.40074951*	---	---	---	*0.89213203*
Conc SD	*0.00149452[mg/l]*	*0.00124353[mg/l]*	*0.00125476[mg/l]*	*10200.71400*	*230577*	*381.43331000*	*0.00506992[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	263.07729000	7758.01990	49270.99600	18035.09600	7739.89750	37677.02200	
Int RSD	*21.50713731*	*2.52750641*	*0.57154889*	*0.28469223*	*0.80306724*	*0.80830858*	
Int SD	*56.58039400*	*196.08445000*	*281.60783000*	*51.34451700*	*62.15658100*	*304.54660000*	
RelInt Mean	-0.00024084	0.00073338	0.02503099	0.00770215	0.00007020	0.01935541	
RelInt RSD	*76.59776112*	*21.87406601*	*0.64616106*	*0.45169363*	*11.47603818*	*1.44905027*	
RelInt SD	*0.00018448*	*0.00016042*	*0.00016174*	*0.00003479*	*0.00000806*	*0.00028047*	
Conc Mean	<-0.00017724[mg/l]	<0.00392565[mg/l]	0.43879497[mg/l]	0.26855715[mg/l]	0.00010746[mg/l]	1.64530450[mg/l]	
Conc RSD	*399.06341106*	*41.73680794*	*0.67504937*	*0.46427366*	*31.50342410*	*1.44548593*	
Conc SD	*0.00070731[mg/l]*	*0.00163844[mg/l]*	*0.00296208[mg/l]*	*0.00124684[mg/l]*	*0.00003386[mg/l]*	*0.02378264[mg/l]*	

ENTHALPY BLANK USER REPORT FOR 465035 METALS Wipe
EPA 6010B

Inst : MET06 Lab ID : QC997995
Seqnum : 482261233091.1 Matrix : Wipe
File : met06_master Batch : 292194 Time : 30-JUN-2022 16:55
Cal : 482261233001 Caldate : 30-JUN-2022
IDF : 1.0 Raw Units : mg/l Units : ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Flags
Lead	A	-0.0007380	ND	1.0	!<a- u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	1545938	1679357	8.63

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BLANK,QC997995,292194			Sample Type: Unknown Sample
Measure Date: 2022-06-30 16:55:30	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	57299.38800	2328.56610	4003.46280	11052.46700	8525.72460	1778.22940	7836.90770
Int RSD	*1.20961042*	*3.09264289*	*0.75532197*	*0.63894672*	*0.41368371*	*10.78347372*	*0.87663852*
Int SD	*693.09937000*	*72.01423400*	*30.23903400*	*70.61937500*	*35.26953400*	*191.75490000*	*68.70135200*
RelInt Mean	0.00003665	0.00042079	-0.00008902	0.00209921	0.00021680	0.00467068	-0.00001093
RelInt RSD	*3.30324489*	*67.18367985*	*20.30094645*	*3.04131125*	*6.73281279*	*14.33511593*	*411.55837225*
RelInt SD	*0.00000121*	*0.00028270*	*0.00001807*	*0.00006384*	*0.00001460*	*0.00066955*	*0.00004499*
Conc Mean	<0.00018990[mg/l]	<0.00843805[mg/l]	<-0.00171028[mg/l]	0.02621616[mg/l]	0.00057005[mg/l]	0.15957284[mg/l]	<-0.00018723[mg/l]
Conc RSD	*29.37236983*	*324.91325247*	*63.55964248*	*3.78046552*	*8.16966432*	*27.72671151*	*143.23975608*
Conc SD	*0.00005578[mg/l]*	*0.02741634[mg/l]*	*0.00108705[mg/l]*	*0.00099109[mg/l]*	*0.00004657[mg/l]*	*0.04424430[mg/l]*	*0.00026819[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7285.76030	56200.64300	15773.26300	585.89439000	2995.30200	12811.26200	5233.15320
Int RSD	*0.23247625*	*0.92940744*	*5.77382784*	*10.66974988*	*1.66370893*	*1.28099254*	*0.15445876*
Int SD	*16.93766200*	*522.33296000*	*910.72105000*	*62.51346600*	*49.83310700*	*164.11131000*	*8.08306350*
RelInt Mean	0.00004778	0.00018185	0.00407404	0.00056241	0.00006141	0.00244154	0.00006336
RelInt RSD	*13.34870217*	*8.19889532*	*13.71062261*	*28.69013591*	*144.75569978*	*4.16543452*	*29.55578477*
RelInt SD	*0.00000638*	*0.00001491*	*0.00055858*	*0.00016136*	*0.00008889*	*0.00010170*	*0.00001873*
Conc Mean	<-0.00001052[mg/l]	<0.00106256[mg/l]	0.01349023[mg/l]	<0.37792328[mg/l]	<-0.06639099[mg/l]	0.00181433[mg/l]	0.00065619[mg/l]
Conc RSD	*478.03972629*	*49.39468645*	*16.49728315*	*35.18188930*	*41.57943758*	*4.40072820*	*22.04884811*
Conc SD	*0.00005027[mg/l]*	*0.00052485[mg/l]*	*0.00222552[mg/l]*	*0.13296055[mg/l]*	*0.02760500[mg/l]*	*0.00007984[mg/l]*	*0.00014468[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	16916.77800	8558.83820	8094.52240	5706.46250	4354.92090	4291.81900	2063.17920
Int RSD	*1.68574169*	*0.56318511*	*0.93121646*	*0.43909794*	*1.00882434*	*0.41594767*	*3.13466562*
Int SD	*285.17318000*	*48.20210200*	*75.37752500*	*25.05695900*	*43.93350200*	*17.85172100*	*64.67376900*
RelInt Mean	0.02067545	0.00017773	-0.00003523	-0.00000861	-0.00001710	0.00015350	0.00017978
RelInt RSD	*4.70382632*	*23.78083082*	*85.51502960*	*248.92328004*	*90.05555315*	*10.06631465*	*31.83751814*
RelInt SD	*0.00097254*	*0.00004227*	*0.00003013*	*0.00002142*	*0.00001540*	*0.00001545*	*0.00005724*
Conc Mean	0.80554478[mg/l]	<0.00024207[mg/l]	<-0.00073795[mg/l]	<0.00138690[mg/l]	<0.00014787[mg/l]	0.00251091[mg/l]	<0.00039586[mg/l]
Conc RSD	*5.44534942*	*157.18212724*	*127.99494242*	*82.01596859*	*725.48360296*	*11.76335420*	*13.72569558*
Conc SD	*0.04386473[mg/l]*	*0.00038049[mg/l]*	*0.00094454[mg/l]*	*0.00113748[mg/l]*	*0.00107275[mg/l]*	*0.00029537[mg/l]*	*0.00005433[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	65944.34900	4150.35940	13846.71700	1679357	33490543	305095	7537.56140
Int RSD	*4.85048537*	*0.54938782*	*1.29264359*	*0.03644430*	*0.11236102*	*0.60494007*	*0.60909336*
Int SD	*3198.62100*	*22.80156900*	*178.98870000*	*612.02991000*	*37630.31700*	*1845.64270*	*45.91078600*
RelInt Mean	0.00016081	-0.00005642	0.00002538	---	---	---	0.00124407
RelInt RSD	*59.80659159*	*20.28974992*	*17.04164191*	---	---	---	*1.30110071*
RelInt SD	*0.00009617*	*0.00001145*	*0.00000433*	---	---	---	*0.00001619*
Conc Mean	0.00159543[mg/l]	<-0.00253429[mg/l]	<-0.00011992[mg/l]	1669664	33408131	302748	0.00397891[mg/l]
Conc RSD	*59.02470011*	*55.08233894*	*682.38582894*	---	---	---	*1.48773193*
Conc SD	*0.00094170[mg/l]*	*0.00139594[mg/l]*	*0.00081830[mg/l]*	*573.69775000*	*37209.42300*	*1814.80340*	*0.00005920[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	252.09480000	8156.23450	16196.22000	4513.38850	7969.20460	6981.43790	
Int RSD	*31.70423190*	*3.10027391*	*0.18627606*	*1.54773654*	*0.29027723*	*3.09802054*	
Int SD	*79.92472000*	*252.86561000*	*30.16968100*	*69.85536300*	*23.13278600*	*216.28638000*	
RelInt Mean	-0.00037180	0.00081576	0.00491585	0.00032240	0.00007923	0.00131390	
RelInt RSD	*57.59915158*	*12.16160139*	*0.62163217*	*13.38039003*	*29.93346675*	*10.34258624*	
RelInt SD	*0.00021415*	*0.00009921*	*0.00003056*	*0.00004314*	*0.00002372*	*0.00013589*	
Conc Mean	<-0.00067934[mg/l]	<0.00476710[mg/l]	0.06957359[mg/l]	<0.00407478[mg/l]	<0.00011331[mg/l]	0.11546071[mg/l]	
Conc RSD	*120.86375086*	*21.25564971*	*0.80275616*	*37.94150055*	*87.70617562*	*9.97999926*	
Conc SD	*0.00082108[mg/l]*	*0.00101328[mg/l]*	*0.00055851[mg/l]*	*0.00154603[mg/l]*	*0.00009938[mg/l]*	*0.01152298[mg/l]*	

ENTHALPY SPIKE USER REPORT FOR 465035 METALS Wipe
EPA 6010B

Type : BS
Inst : MET06
Seqnum : 482261233092.1
File : met06_master
IDF : 1.0
Lab ID : QC997996
Matrix : Wipe
Batch : 292194
Time : 30-JUN-2022 16:58
Cal : 482261233001
Units : ug/ft2

Type : BSD
Inst : MET06
Seqnum : 482261233093.1
File : met06_master
IDF : 1.0
Lab ID : QC997997
Matrix : Wipe
Batch : 292194
Time : 30-JUN-2022 17:02
Cal : 482261233001

BS: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF
BSD: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Lead	100.0	1.111	111.1	A	111	1.098	109.8	A	110	80-120	1	20	!<a- u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	1545938	1668528	7.93

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	1545938	1665187	7.71

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BS,QC997996,292194				Sample Type: Unknown Sample			
Measure Date: 2022-06-30 16:58:44		Recalculation Date:		State: Measured		Quality:	

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	429387	5758.95830	32824.61100	112919	557171	7355.47880	315858
Int RSD	*1.02964212*	*1.78287886*	*0.55482257*	*0.42544494*	*0.39679782*	*1.38942022*	*0.19344886*
Int SD	*4421.15280*	*102.67525000*	*182.11835000*	*480.40745000*	*2210.84090*	*102.19851000*	*611.02450000*
RelInt Mean	0.01125257	0.01170537	0.01723578	0.06345952	0.33081712	0.02287409	0.18545472
RelInt RSD	*1.00160710*	*1.83434531*	*0.92339209*	*0.38142561*	*0.26805746*	*1.08125365*	*0.46353513*
RelInt SD	*0.00011271*	*0.00021472*	*0.00015915*	*0.00024205*	*0.00088678*	*0.00024733*	*0.00085965*
Conc Mean	0.51700229[mg/l]	1.10280810[mg/l]	1.03945000[mg/l]	0.97875951[mg/l]	1.05847270[mg/l]	1.36246950[mg/l]	1.10043000[mg/l]
Conc RSD	*1.00451099*	*1.88818998*	*0.92051645*	*0.38390829*	*0.26867710*	*1.19955294*	*0.46545807*
Conc SD	*0.00519334[mg/l]*	*0.02082311[mg/l]*	*0.00956831[mg/l]*	*0.00375754[mg/l]*	*0.00284387[mg/l]*	*0.01634354[mg/l]*	*0.00512204[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	226616	996663	462428	4296.12340	4039.86510	2252460	229521
Int RSD	*0.18751411*	*1.70338659*	*0.15148099*	*4.51176123*	*3.70952708*	*0.42815012*	*0.36815255*
Int SD	*424.93678000*	*16977.02800*	*700.49095000*	*193.83083000*	*149.85989000*	*9643.90940*	*844.98661000*
RelInt Mean	0.13202111	0.02856803	0.27323627	0.01255714	0.00344557	1.35240270	0.13516121
RelInt RSD	*0.51151848*	*1.56720050*	*0.32693796*	*4.39500775*	*2.99862908*	*0.08598906*	*0.11722392*
RelInt SD	*0.00067531*	*0.00044772*	*0.00089331*	*0.00055189*	*0.00010332*	*0.00116292*	*0.00015844*
Conc Mean	1.04024250[mg/l]	1.00028720[mg/l]	1.08590800[mg/l]	10.26181200[mg/l]	0.98451354[mg/l]	1.06164700[mg/l]	1.04437250[mg/l]
Conc RSD	*0.51170849*	*1.57556370*	*0.32776200*	*4.43163235*	*3.25892501*	*0.08599405*	*0.11720538*
Conc SD	*0.00532301[mg/l]*	*0.01576016[mg/l]*	*0.00355919[mg/l]*	*0.45476578[mg/l]*	*0.03208456[mg/l]*	*0.00091295[mg/l]*	*0.00122406[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	22901.70500	212583	67207.20100	37434.35700	24454.52500	4462.06910	331904
Int RSD	*1.12952887*	*0.42611291*	*0.43228506*	*0.39959236*	*1.16142669*	*0.50375580*	*0.43613056*
Int SD	*258.68137000*	*905.84289000*	*290.52669000*	*149.58483000*	*284.02138000*	*22.47793200*	*1447.53330*
RelInt Mean	0.04053563	0.12294918	0.03547778	0.01902729	0.01202701	0.00019752	1.08256850
RelInt RSD	*2.31745478*	*0.34325430*	*0.18564496*	*0.33942159*	*0.94069516*	*5.36346642*	*0.32431760*
RelInt SD	*0.00093939*	*0.00042203*	*0.00006586*	*0.00006458*	*0.00011314*	*0.00001059*	*0.00351096*
Conc Mean	1.70130600[mg/l]	1.10546920[mg/l]	1.11069900[mg/l]	1.00619570[mg/l]	0.83894306[mg/l]	0.00335249[mg/l]	1.02789970[mg/l]
Conc RSD	*2.49043617*	*0.34367956*	*0.18533197*	*0.33885153*	*0.93919606*	*6.04068249*	*0.32424531*
Conc SD	*0.04236994[mg/l]*	*0.00379927[mg/l]*	*0.00205848[mg/l]*	*0.00340951[mg/l]*	*0.00787932[mg/l]*	*0.00020251[mg/l]*	*0.00333292[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3669627	18223.10100	198029	1668528	33092838	306943	506939
Int RSD	*1.13253752*	*1.01946063*	*1.67678884*	*0.47620448*	*0.22680270*	*0.28743987*	*0.12913287*
Int SD	*41559.90700*	*185.77734000*	*3320.52130*	*7945.60650*	*75055.45000*	*882.27576000*	*654.62493000*
RelInt Mean	0.10914130	0.00831496	0.00558651	---	---	---	0.30216866
RelInt RSD	*0.92257633*	*0.96458814*	*1.59757993*	---	---	---	*0.40773421*
RelInt SD	*0.00100691*	*0.00008021*	*0.00008925*	---	---	---	*0.00123205*
Conc Mean	1.06868570[mg/l]	1.01430650[mg/l]	1.05161120[mg/l]	1658663	33009989	304623	1.10426180[mg/l]
Conc RSD	*0.92255408*	*0.96337656*	*1.60569667*	---	---	---	*0.40790284*
Conc SD	*0.00985920[mg/l]*	*0.00977159[mg/l]*	*0.01688569[mg/l]*	*7989.66810*	*74783.31700*	*928.40728000*	*0.00450432[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	79275.10300	39070.26000	412842	5122.52630	414621	6269.86170	
Int RSD	*0.93295526*	*1.44236734*	*0.12920389*	*0.31610534*	*0.28101397*	*0.30109610*	
Int SD	*739.60124000*	*563.53667000*	*533.40845000*	*16.19257900*	*1165.14270*	*18.87830900*	
RelInt Mean	0.25867224	0.10186111	0.24388435	0.00062467	0.24486030	0.00083993	
RelInt RSD	*0.67297759*	*1.64447275*	*0.40739813*	*1.40849333*	*0.33627209*	*1.44177256*	
RelInt SD	*0.00174081*	*0.00167508*	*0.00099358*	*0.00000880*	*0.00082340*	*0.00001211*	
Conc Mean	0.99252563[mg/l]	1.03679420[mg/l]	4.43230700[mg/l]	0.01490771[mg/l]	0.98545597[mg/l]	0.07527050[mg/l]	
Conc RSD	*0.67247291*	*1.65012536*	*0.41086906*	*2.11518147*	*0.33414764*	*1.36423820*	
Conc SD	*0.00667447[mg/l]*	*0.01710840[mg/l]*	*0.01821098[mg/l]*	*0.00031533[mg/l]*	*0.00329288[mg/l]*	*0.00102687[mg/l]*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BSD,QC997997,292194			Sample Type: Unknown Sample
Measure Date: 2022-06-30 17:02:00	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	425390	5816.02460	32583.62500	112319	550584	7106.44160	311971
Int RSD	*0.92515007*	*2.50985957*	*0.44219389*	*0.41926383*	*0.35939399*	*3.03520977*	*0.39973027*
Int SD	*3935.49540*	*145.97405000*	*144.08280000*	*470.91374000*	*1978.76420*	*215.69541000*	*1247.04340*
RelInt Mean	0.01111655	0.01201761	0.01712086	0.06323825	0.32752654	0.02225172	0.18351294
RelInt RSD	*0.87844901*	*0.36912786*	*0.45295112*	*0.32758051*	*0.52589231*	*3.76116413*	*0.56499198*
RelInt SD	*0.00009765*	*0.00004436*	*0.00007755*	*0.00020716*	*0.00172244*	*0.00083692*	*0.00103683*
Conc Mean	0.51073468[mg/l]	1.13308970[mg/l]	1.03254900[mg/l]	0.97532452[mg/l]	1.04794970[mg/l]	1.32134300[mg/l]	1.08891430[mg/l]
Conc RSD	*0.88102981*	*0.37967203*	*0.45196960*	*0.32972078*	*0.52647878*	*4.18548923*	*0.56729386*
Conc SD	*0.00449972[mg/l]*	*0.00430202[mg/l]*	*0.00466681[mg/l]*	*0.00321585[mg/l]*	*0.00551723[mg/l]*	*0.05530467[mg/l]*	*0.00617734[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	223540	984306	457750	4259.55210	4120.41340	2216582	226460
Int RSD	*0.37473502*	*1.36851852*	*0.42621494*	*5.62967430*	*4.50083577*	*0.22253091*	*0.26131878*
Int SD	*837.68215000*	*13470.41400*	*1950.99810*	*239.79891000*	*185.45304000*	*4932.58040*	*591.78297000*
RelInt Mean	0.13041901	0.02815645	0.27097578	0.01263712	0.00402393	1.33348040	0.13358409
RelInt RSD	*0.55614973*	*1.34978676*	*0.59514164*	*4.94039576*	*6.48004410*	*0.38316507*	*0.42343411*
RelInt SD	*0.00072532*	*0.00038005*	*0.00161269*	*0.00062432*	*0.00026075*	*0.00510943*	*0.00056564*
Conc Mean	1.02761430[mg/l]	0.98579898[mg/l]	1.07690160[mg/l]	10.32772100[mg/l]	1.16411550[mg/l]	1.04679150[mg/l]	1.03218820[mg/l]
Conc RSD	*0.55635934*	*1.35709686*	*0.59665780*	*4.98130430*	*6.95576358*	*0.38320215*	*0.42336714*
Conc SD	*0.00571723[mg/l]*	*0.01337825[mg/l]*	*0.00642542[mg/l]*	*0.51445521[mg/l]*	*0.08097312[mg/l]*	*0.00401133[mg/l]*	*0.00436995[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	22146.35500	209685	66418.33300	37196.28700	24199.16900	4345.55420	325771
Int RSD	*2.35043392*	*0.47680536*	*0.55192605*	*0.72569251*	*0.45573966*	*0.32325638*	*0.30760482*
Int SD	*520.53544000*	*999.79070000*	*366.58008000*	*269.93067000*	*110.28521000*	*14.04728100*	*1002.08700*
RelInt Mean	0.03835093	0.12147894	0.03507647	0.01892277	0.01191946	0.00013922	1.06897340
RelInt RSD	*1.15851150*	*0.65782011*	*0.45893227*	*0.69635966*	*0.56185925*	*10.87962416*	*0.21076045*
RelInt SD	*0.00044430*	*0.00079911*	*0.00016098*	*0.00013177*	*0.00006697*	*0.00001515*	*0.00225297*
Conc Mean	1.60276900[mg/l]	1.09223360[mg/l]	1.09813070[mg/l]	1.00071930[mg/l]	0.83145257[mg/l]	<0.00223787[mg/l]	1.01499390[mg/l]
Conc RSD	*1.25030132*	*0.65863717*	*0.45886206*	*0.70166247*	*0.56095090*	*12.93755549*	*0.21071664*
Conc SD	*0.02003944[mg/l]*	*0.00719386[mg/l]*	*0.00503891[mg/l]*	*0.00702167[mg/l]*	*0.00466404[mg/l]*	*0.00028953[mg/l]*	*0.00213876[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3623542	18005.06500	194888	1665187	33152524	305048	498137
Int RSD	*1.52037316*	*0.48605121*	*1.64005518*	*0.16546840*	*0.69265043*	*0.51429898*	*0.17559221*
Int SD	*55091.35400*	*87.51383600*	*3196.26960*	*2755.35870*	*229631*	*1568.86090*	*874.68889000*
RelInt Mean	0.10755483	0.00819762	0.00548453	---	---	---	0.29746517
RelInt RSD	*1.18097579*	*0.52404495*	*1.31978301*	---	---	---	*0.33196780*
RelInt SD	*0.00127020*	*0.00004296*	*0.00007238*	---	---	---	*0.00098749*
Conc Mean	1.05315170[mg/l]	1.00004880[mg/l]	1.03232120[mg/l]	1655346	33069988	302770	1.08706250[mg/l]
Conc RSD	*1.18095532*	*0.52446700*	*1.32667391*	---	---	---	*0.33204256*
Conc SD	*0.01243725[mg/l]*	*0.00524493[mg/l]*	*0.01369554[mg/l]*	*2724.96440*	*229547*	*1406.62600*	*0.00360951[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	78543.47900	38895.51800	421346	5099.63090	408599	6100.43950	
Int RSD	*1.21766548*	*1.81898706*	*0.43583807*	*2.35589109*	*0.25575354*	*0.59387316*	
Int SD	*956.39683000*	*707.50444000*	*1836.38630*	*120.14175000*	*1045.00690*	*36.22887300*	
RelInt Mean	0.25816927	0.10223087	0.24953311	0.00061890	0.24175778	0.00074665	
RelInt RSD	*0.67139424*	*1.08423698*	*0.57291127*	*9.77482360*	*0.42791554*	*3.23827009*	
RelInt SD	*0.00173333*	*0.00110842*	*0.00142960*	*0.00006050*	*0.00103452*	*0.00002418*	
Conc Mean	0.99059718[mg/l]	1.04057080[mg/l]	4.53626320[mg/l]	0.01470108[mg/l]	0.97294420[mg/l]	0.06736036[mg/l]	
Conc RSD	*0.67088811*	*1.08795432*	*0.57631502*	*14.74810419*	*0.43008462*	*3.04367609*	
Conc SD	*0.00664580[mg/l]*	*0.01132094[mg/l]*	*0.02614317[mg/l]*	*0.00216813[mg/l]*	*0.00418448[mg/l]*	*0.00205023[mg/l]*	

ENTHALPY INITIAL CALIBRATION FOR 465035 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	482261233001	Date:	30-JUN-2022 09:57
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master	482261233003	L1	30-JUN-2022 10:00	S16950, S13369 (100X)
L2	met06_master	482261233004	L2	30-JUN-2022 10:03	S16949, S13369 (100X)
L3	met06_master	482261233005	L3	30-JUN-2022 10:06	S16948, S13369 (100X)
L4	met06_master	482261233006	L4	30-JUN-2022 10:10	S16947, S13369 (100X)

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	0.0218	0.0344	0.0340	0.0319	WB1K	3.72E-4	31.3040		0.0305	1.000		5	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
WB1K: Linear regression with ICALBLK weighting factor of 1000

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D
Lead	A	0.0033	**-21**	0.1000	8	1.0000	6	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 465035 METALS Wipe
EPA 6010B

Inst : MET06
Calnum : 482261233001 Cal Date : 30-JUN-2022

ICV 482261233011 (30-JUN-2022) stds: S16870, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	0.9557	mg/l	-4	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICALBLK,CALBLANK			Sample Type: Calibration Sample
Measure Date: 2022-06-30 09:57:03	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	47303.18300	1933.51920	3264.83240	6711.02620	6657.48070	994.61086000	6400.18850
Int RSD	*0.85786990*	*1.42873942*	*1.09197844*	*0.07763852*	*0.66875028*	*4.08809914*	*0.41217788*
Int SD	*405.79977000*	*27.62495100*	*35.65126600*	*5.21034120*	*44.52192100*	*40.66067800*	*26.38016100*
RelInt Mean	0.00003252	0.00033265	-0.00006093	0.00041077	0.00002892	0.00224564	0.00001657
RelInt RSD	*9.23260119*	*49.61287782*	*28.07866718*	*0.84790461*	*87.59872927*	*13.90208887*	*96.28605279*
RelInt SD	*0.00000300*	*0.00016504*	*0.00001711*	*0.00000348*	*0.00002534*	*0.00031219*	*0.00001596*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	5878.12160	46339.55000	8262.78570	363.36195000	2498.68170	7154.81140	4035.82480
Int RSD	*0.21548574*	*0.52714578*	*1.61529918*	*26.12973290*	*2.20203394*	*0.21407916*	*0.83001998*
Int SD	*12.66651400*	*244.27698000*	*133.46871000*	*94.94550700*	*55.02181900*	*15.31696000*	*33.49815200*
RelInt Mean	0.00004375	0.00015149	0.00066376	0.00010378	0.00027160	0.00004409	-0.00002214
RelInt RSD	*36.13471328*	*3.22872575*	*15.02767595*	*211.27371184*	*64.37604355*	*29.54751590*	*97.53377139*
RelInt SD	*0.00001581*	*0.00000489*	*0.00009975*	*0.00021925*	*0.00017485*	*0.00001303*	*0.00002159*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	10243.78700	6949.50660	6555.34630	4558.49610	3451.32830	3292.65470	1594.81090
Int RSD	*1.71351981*	*0.59646970*	*0.19072782*	*0.22844993*	*0.51365203*	*1.71545200*	*4.50743809*
Int SD	*175.52932000*	*41.45170100*	*12.50286900*	*10.41388100*	*17.72781800*	*56.48391100*	*71.88511400*
RelInt Mean	0.00278184	0.00014544	-0.00001395	-0.00003523	-0.00001932	0.00002073	-0.00025346
RelInt RSD	*22.18038222*	*38.40767439*	*155.86562628*	*54.47462552*	*100.46333747*	*215.11244826*	*106.23213444*
RelInt SD	*0.00061702*	*0.00005586*	*0.00002174*	*0.00001919*	*0.00001941*	*0.00004459*	*0.00026925*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	49751.25200	3261.38390	11336.26200	1545938	32899157	312921	4621.20280
Int RSD	*1.07581978*	*0.71943383*	*2.05951283*	*0.17241496*	*0.15029921*	*0.21281214*	*0.29192140*
Int SD	*535.23381000*	*23.46349900*	*233.47177000*	*2665.42770*	*49447.17300*	*665.93431000*	*13.49028000*
RelInt Mean	-0.00000221	-0.00003704	0.00002601	---	---	---	0.00015643
RelInt RSD	*153.98767035*	*34.34313940*	*24.37264906*	---	---	---	*4.36776920*
RelInt SD	*0.00000340*	*0.00001272*	*0.00000634*	---	---	---	*0.00000683*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	257.58425000	7186.45610	8147.15300	3714.68200	6422.47370	4079.54130	
Int RSD	*29.33301861*	*4.47441097*	*0.52902744*	*1.43697547*	*0.07811218*	*0.89261332*	
Int SD	*75.55723600*	*321.55158000*	*43.10067500*	*53.37906900*	*5.01673430*	*36.41452900*	
RelInt Mean	-0.00019663	0.00034262	0.00112456	0.00020870	0.00004949	-0.00004774	
RelInt RSD	*77.10389651*	*138.81238922*	*1.46847265*	*20.96573102*	*26.68550409*	*48.17699841*	
RelInt SD	*0.00015161*	*0.00047560*	*0.00001651*	*0.00004376*	*0.00001321*	*0.00002300*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L1,S16950				Sample Type: Calibration Sample			
Measure Date: 2022-06-30 10:00:20		Recalculation Date:		State: Measured		Quality:	

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	47522.78000	1995.31170	3416.10540	7085.02170	8494.68570	1511.35380	6941.93200
Int RSD	*0.76690067*	*5.39578553*	*0.97151200*	*0.48898665*	*0.75893048*	*7.91440032*	*0.27174566*
Int SD	*364.45252000*	*107.66274000*	*33.18787400*	*34.64481000*	*64.46875900*	*119.61459000*	*18.86439900*
RelInt Mean	0.00003520	0.00062920	0.00002915	0.00063633	0.00117782	0.00384652	0.00032396
RelInt RSD	*9.79683834*	*80.41645584*	*68.09086428*	*4.76514762*	*3.42436240*	*9.57687956*	*5.61863410*
RelInt SD	*0.00000345*	*0.00050598*	*0.00001985*	*0.00003032*	*0.00004033*	*0.00036838*	*0.00001820*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6622.50260	49597.12300	10510.93000	522.49571000	2597.65590	14174.96000	4799.94130
Int RSD	*0.35449049*	*0.27720937*	*0.14639451*	*18.58825673*	*6.60373685*	*0.64180304*	*0.55066217*
Int SD	*23.47614200*	*137.48787000*	*15.38742400*	*97.12284400*	*171.54236000*	*90.97532400*	*26.43146100*
RelInt Mean	0.00050467	0.00024827	0.00206422	0.00054391	0.00022191	0.00454449	0.00043819
RelInt RSD	*1.62023892*	*2.75411095*	*0.57275187*	*61.04553374*	*233.60236615*	*1.35864526*	*4.07217046*
RelInt SD	*0.00000818*	*0.00000684*	*0.00001182*	*0.00033203*	*0.00051838*	*0.00006174*	*0.00001784*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	14516.97700	7621.36390	6733.42000	4950.68920	3727.67890	3614.40230	7687.10700
Int RSD	*1.02369880*	*0.39743334*	*0.23040345*	*0.48069735*	*0.93694076*	*0.26037045*	*2.53254872*
Int SD	*148.61012000*	*30.28984100*	*15.51403200*	*23.79783200*	*34.92614300*	*9.41083570*	*194.67973000*
RelInt Mean	0.01610595	0.00053141	0.00007268	0.00019336	0.00014230	0.00020975	0.01913554
RelInt RSD	*0.79075734*	*1.13528274*	*16.47185502*	*5.71197287*	*19.60235630*	*4.29906895*	*1.08486336*
RelInt SD	*0.00012736*	*0.00000603*	*0.00001197*	*0.00001104*	*0.00002789*	*0.00000902*	*0.00020759*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	61385.76800	3424.12030	11772.91700	1557216	32981627	311647	9331.33110
Int RSD	*0.62568979*	*0.35797778*	*0.85677483*	*0.63057455*	*0.62095148*	*0.24714202*	*0.62082652*
Int SD	*384.08448000*	*12.25759000*	*100.86739000*	*9819.41030*	*204800*	*770.21095000*	*57.93137800*
RelInt Mean	0.00034823	0.00006311	0.00003826	---	---	---	0.00317236
RelInt RSD	*1.10587936*	*12.16747954*	*6.56563207*	---	---	---	*0.89645849*
RelInt SD	*0.00000385*	*0.00000768*	*0.00000251*	---	---	---	*0.00002844*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	330.45494000	7587.48750	16332.33300	49349.28400	7172.75970	23432.12000	
Int RSD	*29.06576915*	*3.45477656*	*0.98822789*	*0.46824645*	*0.79546821*	*0.59947700*	
Int SD	*96.04927000*	*262.13074000*	*161.40067000*	*231.07627000*	*57.05702300*	*140.47017000*	
RelInt Mean	0.00007603	0.00128668	0.00639060	0.02961988	0.00049756	0.01242036	
RelInt RSD	*375.60492245*	*19.24792373*	*2.40939165*	*0.55356592*	*5.45018230*	*0.74199198*	
RelInt SD	*0.00028559*	*0.00024766*	*0.00015397*	*0.00016397*	*0.00002712*	*0.00009216*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L2,S16949				Sample Type: Calibration Sample			
Measure Date: 2022-06-30 10:03:37		Recalculation Date:		State: Measured		Quality:	

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	47987.32800	2593.42030	6110.76890	16770.23800	58029.88400	946.39523000	20756.38500
Int RSD	*0.46813348*	*8.46582176*	*0.69820631*	*0.47643036*	*0.21848076*	*6.52994384*	*0.58368319*
Int SD	*224.64475000*	*219.55434000*	*42.66577400*	*79.89850500*	*126.78413000*	*61.79907700*	*121.15153000*
RelInt Mean	0.00003267	0.00278923	0.00173192	0.00679178	0.03289204	0.00214567	0.00915173
RelInt RSD	*21.50990623*	*16.14864234*	*1.65383942*	*0.94491944*	*0.53032885*	*7.09637337*	*0.97597549*
RelInt SD	*0.00000703*	*0.00045042*	*0.00002864*	*0.00006418*	*0.00017444*	*0.00015226*	*0.00008932*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	27310.03000	140082	90516.06900	321.36189000	2362.43150	221244	24943.40000
Int RSD	*0.25130471*	*0.45793692*	*0.44001548*	*16.80650559*	*7.04300887*	*0.03997870*	*0.41947782*
Int SD	*68.63139300*	*641.48573000*	*398.28472000*	*54.00970400*	*166.38626000*	*88.45054100*	*104.63203000*
RelInt Mean	0.01371358	0.00295054	0.05330441	0.00011414	-0.00014679	0.13722283	0.01332039
RelInt RSD	*0.44984877*	*0.50894562*	*0.75242144*	*194.30970287*	*85.69385082*	*0.28526121*	*0.64183928*
RelInt SD	*0.00006169*	*0.00001502*	*0.00040107*	*0.00022179*	*0.00012579*	*0.00039144*	*0.00008550*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	9961.15430	25464.00700	12082.61600	13447.62400	10396.75800	11900.02900	169675
Int RSD	*3.44444750*	*0.53935207*	*0.45259724*	*0.46343332*	*0.42685201*	*0.28865365*	*0.43539680*
Int SD	*343.10673000*	*137.34065000*	*54.68558700*	*62.32077100*	*44.37877100*	*34.34986800*	*738.76095000*
RelInt Mean	0.00204707	0.01191378	0.00343814	0.00559721	0.00439575	0.00549524	0.53951624
RelInt RSD	*22.23158592*	*0.66002129*	*1.81395920*	*1.15123040*	*0.37452298*	*0.17647758*	*0.70297191*
RelInt SD	*0.00045510*	*0.00007863*	*0.00006237*	*0.00006444*	*0.00001646*	*0.00000970*	*0.00379265*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	390629	7485.61310	20493.76500	1567143	33247255	313296	132509
Int RSD	*0.73803565*	*0.64955317*	*1.14597450*	*0.27039519*	*0.16057401*	*0.35504003*	*0.29766924*
Int SD	*2882.97980*	*48.62303700*	*234.85332000*	*4237.47960*	*53386.45000*	*1112.32550*	*394.43832000*
RelInt Mean	0.01023433	0.00262630	0.00029584	---	---	---	0.08209906
RelInt RSD	*0.63187739*	*0.70363675*	*0.15983324*	---	---	---	*0.52493402*
RelInt SD	*0.00006467*	*0.00001848*	*0.00000047*	---	---	---	*0.00043097*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	3956.36460	10414.08600	8632.79580	3714.36910	27306.01200	4173.58150	
Int RSD	*2.34226489*	*2.99824267*	*1.44984479*	*2.66781142*	*0.08443047*	*0.22439060*	
Int SD	*92.66853900*	*312.23957000*	*125.16214000*	*99.09236300*	*23.05459400*	*9.36512440*	
RelInt Mean	0.01170275	0.01109742	0.00135214	0.00017819	0.01333509	-0.00002523	
RelInt RSD	*2.91977825*	*1.93250493*	*4.48230150*	*33.94767076*	*0.42804190*	*97.35015247*	
RelInt SD	*0.00034169*	*0.00021446*	*0.00006061*	*0.00006049*	*0.00005708*	*0.00002456*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L3,S16948			Sample Type: Calibration Sample
Measure Date: 2022-06-30 10:06:55	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	48805.85700	8640.05800	30172.98900	108398	513788	998.76185000	144865
Int RSD	*0.55925362*	*3.40205124*	*0.17377365*	*0.15820831*	*0.41453942*	*16.16562747*	*0.32238794*
Int SD	*272.94852000*	*293.93920000*	*52.43270300*	*171.49493000*	*2129.85420*	*161.45612000*	*467.02742000*
RelInt Mean	0.00003131	0.02178782	0.01684975	0.06452413	0.32025389	0.00235131	0.08728409
RelInt RSD	*28.88878235*	*1.20816755*	*0.54135900*	*0.43856136*	*0.53477096*	*10.43036688*	*0.24291268*
RelInt SD	*0.00000904*	*0.00026323*	*0.00009122*	*0.00028298*	*0.00171262*	*0.00024525*	*0.00021202*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	214932	1007749	842141	359.84136000	2471.44430	2160004	209346
Int RSD	*0.48178972*	*0.81367924*	*0.43817138*	*10.65349742*	*6.23459529*	*0.39549328*	*0.36275956*
Int SD	*1035.51830*	*8199.84520*	*3690.02140*	*38.33569000*	*154.08455000*	*8542.66980*	*759.42390000*
RelInt Mean	0.13182251	0.02880202	0.52726610	0.00009277	-0.00008129	1.35991240	0.12952807
RelInt RSD	*0.56847245*	*0.68744054*	*0.47911935*	*116.64894569*	*185.30897911*	*0.32087611*	*0.22121448*
RelInt SD	*0.00074937*	*0.00019800*	*0.00252623*	*0.00010821*	*0.00015063*	*0.00436363*	*0.00028653*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	10203.36000	191549	60640.96800	95139.77500	71753.88400	88335.97200	1648009
Int RSD	*3.15793856*	*0.59790699*	*0.38605451*	*0.81936652*	*0.58698035*	*0.45159004*	*0.07364095*
Int SD	*322.21584000*	*1145.28330*	*234.10719000*	*779.54346000*	*421.18120000*	*398.91645000*	*1213.60930*
RelInt Mean	0.00191721	0.11653796	0.03396364	0.05704249	0.04304621	0.05364840	5.26550370
RelInt RSD	*21.32219142*	*0.54424910*	*0.71956847*	*1.18457433*	*1.09312650*	*0.77889829*	*0.91963363*
RelInt SD	*0.00040879*	*0.00063426*	*0.00024439*	*0.00067571*	*0.00047055*	*0.00041787*	*0.04842334*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3471607	44353.73300	100128	1590839	33488070	314609	1303165
Int RSD	*1.28289312*	*0.33686578*	*1.25054879*	*0.54402180*	*0.36307383*	*1.01405775*	*0.43818680*
Int SD	*44537.00600*	*149.41255000*	*1252.15550*	*8654.51310*	*121586*	*3190.32050*	*5710.29750*
RelInt Mean	0.10219183	0.02583064	0.00266934	---	---	---	0.82026401
RelInt RSD	*1.13482448*	*0.79308191*	*1.19597226*	---	---	---	*0.42417611*
RelInt SD	*0.00115970*	*0.00020486*	*0.00003192*	---	---	---	*0.00347936*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	42270.44800	39995.63300	10166.04300	4221.01880	206873	4423.89410	
Int RSD	*1.53016254*	*1.83756877*	*0.53949390*	*0.98245923*	*0.58931831*	*0.32424890*	
Int SD	*646.80656000*	*734.94726000*	*54.84518200*	*41.46978900*	*1219.14300*	*14.34442800*	
RelInt Mean	0.13406597	0.10435982	0.00227097	0.00042789	0.12640290	0.00007695	
RelInt RSD	*0.74898507*	*0.30595945*	*2.51117379*	*7.93482125*	*0.70751216*	*23.13897955*	
RelInt SD	*0.00100413*	*0.00031930*	*0.00005703*	*0.00003395*	*0.00089432*	*0.00001780*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L4,S16947			Sample Type: Calibration Sample
Measure Date: 2022-06-30 10:10:12	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	55265.06000	65224.80500	264266	1014586	4873919	1090.58300	1322738
Int RSD	*0.60806130*	*1.56634228*	*0.20701177*	*0.16787966*	*0.40042534*	*9.50224238*	*0.43000427*
Int SD	*336.04544000*	*1021.64370*	*547.06081000*	*1703.28390*	*19516.40700*	*103.62984000*	*5687.82950*
RelInt Mean	-0.00003418	0.20647221	0.16616111	0.64461463	3.11291010	0.00223631	0.84083803
RelInt RSD	*25.44789001*	*1.04033942*	*0.40980424*	*0.33604610*	*0.18103122*	*10.21779578*	*0.18893614*
RelInt SD	*0.00000870*	*0.00214801*	*0.00068094*	*0.00216620*	*0.00563534*	*0.00022850*	*0.00158865*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	1991397	9254836	7851941	418.88536000	2537.05180	19903803	2029103
Int RSD	*0.38077820*	*0.72654568*	*0.37102316*	*11.77469941*	*2.89952921*	*0.60103936*	*0.47199263*
Int SD	*7582.80710*	*67240.61300*	*29132.52000*	*49.32249200*	*73.56255800*	*119630*	*9577.21530*
RelInt Mean	1.26819440	0.28420969	5.01780730	0.00024775	-0.00005598	12.72832700	1.29435570
RelInt RSD	*0.19044064*	*0.99628852*	*0.19442564*	*74.78960981*	*537.43703125*	*0.63900146*	*0.29266331*
RelInt SD	*0.00241516*	*0.00283155*	*0.00975590*	*0.00018529*	*0.00030084*	*0.08133419*	*0.00378810*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	10182.07300	1744952	507637	889904	4612.70280	821892	15119258
Int RSD	*4.54017458*	*0.38898048*	*0.10478180*	*0.11888337*	*0.75273230*	*0.15855337*	*0.89044641*
Int SD	*462.28389000*	*6787.52110*	*531.91068000*	*1057.94790*	*34.72130400*	*1303.13690*	*134629*
RelInt Mean	0.00209790	1.11041340	0.31923011	0.56481914	0.00002790	0.52301912	49.31516600
RelInt RSD	*10.73283103*	*0.23520492*	*0.35557401*	*0.28663588*	*46.65050551*	*0.26343588*	*0.85392449*
RelInt SD	*0.00022516*	*0.00261175*	*0.00113510*	*0.00161897*	*0.00001301*	*0.00137782*	*0.42111428*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	33093971	389368	868338	1572192	32370863	308496	12098660
Int RSD	*0.62779695*	*0.03633132*	*0.98000595*	*0.24768703*	*0.46968933*	*0.43303741*	*0.22535149*
Int SD	*207763*	*141.46241000*	*8509.76060*	*3894.11670*	*152042*	*1335.90290*	*27264.51000*
RelInt Mean	1.02127760	0.24548435	0.02645359	---	---	---	7.73530450
RelInt RSD	*0.32907733*	*0.29017785*	*1.14703829*	---	---	---	*0.38353168*
RelInt SD	*0.00336079*	*0.00071234*	*0.00030343*	---	---	---	*0.02966734*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	400167	308783	25302.69300	8772.73220	1944039	6895.47500	
Int RSD	*0.44581616*	*0.51055256*	*0.17298475*	*1.35158281*	*0.40921276*	*0.16414069*	
Int SD	*1784.00760*	*1576.50070*	*43.76979900*	*118.57074000*	*7955.25490*	*11.31828000*	
RelInt Mean	1.30350020	0.97878572	0.01159107	0.00266031	1.23713060	0.00108692	
RelInt RSD	*0.57276586*	*0.09576793*	*1.02313367*	*2.67604428*	*0.22505681*	*2.02032313*	
RelInt SD	*0.00746600*	*0.00093736*	*0.00011859*	*0.00007119*	*0.00278425*	*0.00002196*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L5,S16645				Sample Type: Calibration Sample			
Measure Date: 2022-06-30 10:13:28		Recalculation Date:		State: Measured		Quality:	

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	1492076	1962.57820	3503.62550	11745.31800	7353.92010	994.21128000	6615.08240
Int RSD	*0.21235335*	*8.18758101*	*0.87377272*	*2.32833721*	*1.18906526*	*10.33915246*	*0.55442112*
Int SD	*3168.47400*	*160.68768000*	*30.61372400*	*273.47061000*	*87.44290900*	*102.79302000*	*36.67541400*
RelInt Mean	0.04343677	0.00066718	0.00004309	0.00351482	0.00037278	0.00233852	0.00005268
RelInt RSD	*0.44189522*	*65.90385430*	*64.49221621*	*4.89155558*	*20.31431417*	*22.33178746*	*48.89671195*
RelInt SD	*0.00019195*	*0.00043970*	*0.00002779*	*0.00017193*	*0.00007573*	*0.00052223*	*0.00002576*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6325.62110	52284.20300	13863.52900	371.39913000	2396.59820	9201.85520	8691.18560
Int RSD	*1.52926169*	*6.02478190*	*8.45730261*	*19.23201086*	*3.79629151*	*2.97036211*	*21.88893193*
Int SD	*96.73530000*	*3150.00920*	*1172.48060*	*71.42752100*	*90.98185400*	*273.32842000*	*1902.40770*
RelInt Mean	0.00024334	0.00031039	0.00407836	0.00012667	-0.00028247	0.00123915	0.00286023
RelInt RSD	*33.81692283*	*31.81712849*	*18.33136359*	*277.51766835*	*171.33793026*	*15.11972827*	*42.30409805*
RelInt SD	*0.00008229*	*0.00009876*	*0.00074762*	*0.00035152*	*0.00048398*	*0.00018736*	*0.00120999*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	10105.57600	7256.56040	6750.28320	6704.19760	3553.69540	4594.17770	2607.92010
Int RSD	*2.92436136*	*0.87766872*	*0.12243290*	*11.36382391*	*0.88877862*	*10.33345924*	*8.15657504*
Int SD	*295.52356000*	*63.68856100*	*8.26456750*	*761.85321000*	*31.58448500*	*474.73748000*	*212.71696000*
RelInt Mean	0.00205787	0.00023137	0.00000601	0.00124356	-0.00000703	0.00080298	0.00304716
RelInt RSD	*31.10761100*	*23.63490367*	*585.67748635*	*39.41509740*	*419.14487503*	*37.18103127*	*12.37939652*
RelInt SD	*0.00064015*	*0.00005468*	*0.00003518*	*0.00049015*	*0.00002948*	*0.00029856*	*0.00037722*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	121611	4325.54630	12182.30600	1584173	33279150	311291	7621.31680
Int RSD	*18.13580065*	*15.10994299*	*3.20006237*	*0.43578190*	*0.26775708*	*0.78620622*	*4.06100413*
Int SD	*22055.19200*	*653.58758000*	*389.84139000*	*6903.53870*	*89107.28000*	*2447.39250*	*309.50199000*
RelInt Mean	0.00213595	0.00058652	0.00004736	---	---	---	0.00199083
RelInt RSD	*31.18087629*	*73.66177573*	*27.48679710*	---	---	---	*10.44867215*
RelInt SD	*0.00066601*	*0.00043204*	*0.00001302*	---	---	---	*0.00020801*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	158.17935000	7426.10960	11828.84300	3811.63320	6807.27300	4201.77330	
Int RSD	*34.18133467*	*4.69646960*	*0.76317827*	*1.57562026*	*0.95880631*	*0.47915479*	
Int SD	*54.06781300*	*348.76498000*	*90.27515900*	*60.05686500*	*65.26856300*	*20.13299800*	
RelInt Mean	-0.00051497	0.00116643	0.00334685	0.00021941	0.00017001	-0.00002565	
RelInt RSD	*5.54275744*	*23.89178492*	*1.98207378*	*17.07182574*	*28.18745214*	*26.26326860*	
RelInt SD	*0.00002854*	*0.00027868*	*0.00006634*	*0.00003746*	*0.00004792*	*0.00000674*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L6,S16518			Sample Type: Calibration Sample
Measure Date: 2022-06-30 10:16:46	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	48701.09000	2286.32830	3537.45760	9477.96830	7202.34700	50443.39200	6754.62960
Int RSD	*0.45760744*	*5.62956554*	*0.56992765*	*0.87195241*	*0.33059830*	*0.86637124*	*0.53774980*
Int SD	*222.85981000*	*128.71035000*	*20.16094900*	*82.64337300*	*23.81083700*	*437.02704000*	*36.32300700*
RelInt Mean	0.00004510	0.00049746	-0.00000425	0.00201424	0.00012411	0.16439842	0.00002294
RelInt RSD	*10.46423980*	*66.69125178*	*151.25991286*	*3.07272123*	*6.86621412*	*1.15899593*	*189.22033836*
RelInt SD	*0.00000472*	*0.00033176*	*0.00000643*	*0.00006189*	*0.00000852*	*0.00190537*	*0.00004340*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6254.38460	47849.44600	8896.89820	19189.83700	13632.82600	7971.99570	4939.17590
Int RSD	*0.77061670*	*0.49438742*	*1.06394967*	*2.88715407*	*2.52926048*	*0.82623380*	*2.61282090*
Int SD	*48.19733200*	*236.56164000*	*94.65851900*	*554.04016000*	*344.80968000*	*65.86732300*	*129.05182000*
RelInt Mean	0.00007295	0.00017110	0.00082721	0.06156241	0.03629367	0.00030078	0.00041960
RelInt RSD	*41.32485716*	*1.89889597*	*8.38833923*	*3.12366031*	*2.33022758*	*16.78391412*	*17.51088175*
RelInt SD	*0.00003015*	*0.00000325*	*0.00006939*	*0.00192300*	*0.00084573*	*0.00005048*	*0.00007348*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	363225	7342.42740	6905.33840	5207.08180	3672.70550	3713.81820	2037.12090
Int RSD	*0.42264667*	*0.15673776*	*0.51388074*	*1.39445635*	*0.31955748*	*1.25873235*	*10.97595631*
Int SD	*1535.15920*	*11.50835600*	*35.48520400*	*72.61048300*	*11.73640500*	*46.74703100*	*223.59350000*
RelInt Mean	1.15691800	0.00014942	-0.00001763	0.00021660	-0.00000336	0.00017226	0.00082720
RelInt RSD	*0.26210685*	*18.54453157*	*116.52330362*	*21.31995158*	*334.89616263*	*19.45142848*	*57.52284062*
RelInt SD	*0.00303236*	*0.00002771*	*0.00002054*	*0.00004618*	*0.00001127*	*0.00003351*	*0.00047583*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	70810.16200	3476.20360	11807.50900	1524390	31926028	307047	5535.13790
Int RSD	*6.01132546*	*0.55997376*	*0.17414007*	*0.20061917*	*0.28238890*	*0.26804645*	*0.83216498*
Int SD	*4256.62930*	*19.46582800*	*20.56160400*	*3058.21820*	*90155.55900*	*823.02723000*	*46.06147900*
RelInt Mean	0.00061792	0.00000502	0.00003024	---	---	---	0.00061536
RelInt RSD	*21.61280804*	*343.27116805*	*11.28502009*	---	---	---	*4.70788955*
RelInt SD	*0.00013355*	*0.00001725*	*0.00000341*	---	---	---	*0.00002897*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	285.42134000	7420.85190	835493	3871.16890	6813.89660	4258.65380	
Int RSD	*20.76671142*	*5.01626936*	*0.54051385*	*3.67303788*	*0.65928042*	*0.25174580*	
Int SD	*59.27262600*	*372.24992000*	*4515.95680*	*142.18950000*	*44.92268600*	*10.72098200*	
RelInt Mean	-0.00016059	0.00064783	0.54594064	0.00018581	0.00008937	-0.00006615	
RelInt RSD	*88.06156376*	*63.72425095*	*0.46772025*	*49.17362705*	*22.67887388*	*25.88793070*	
RelInt SD	*0.00014142*	*0.00041283*	*0.00255347*	*0.00009137*	*0.00002027*	*0.00001712*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L7,S16675			Sample Type: Calibration Sample	
Measure Date: 2022-06-30 10:20:03	Recalculation Date:	State: Measured	Quality:	

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	48845.87200	2064.69080	3402.64240	8491.87680	6997.27600	1061.10270	6605.79610
Int RSD	*0.74283274*	*4.66707020*	*0.59477605*	*0.64050548*	*0.42435226*	*8.22656968*	*0.26158643*
Int SD	*362.84313000*	*96.36056900*	*20.23810200*	*54.39093600*	*29.69309900*	*87.29235300*	*17.27986600*
RelInt Mean	0.00004656	0.00073487	-0.00003400	0.00139895	0.00009105	0.00243583	0.00000570
RelInt RSD	*6.07315970*	*37.16952771*	*30.85626091*	*2.80542171*	*45.14934003*	*5.51171240*	*146.02580719*
RelInt SD	*0.00000283*	*0.00027315*	*0.00001049*	*0.00003925*	*0.00004111*	*0.00013426*	*0.00000832*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6128.18310	47813.24700	8474.18830	398.63202000	2499.52620	7664.29540	4426.47930
Int RSD	*0.65299385*	*0.84582486*	*0.68573153*	*10.18446662*	*4.55238917*	*0.40159729*	*0.72735508*
Int SD	*40.01665900*	*404.41633000*	*58.11018100*	*40.59854500*	*113.78816000*	*30.77960300*	*32.19622200*
RelInt Mean	0.00005930	0.00015803	0.00061076	0.00005183	-0.00001418	0.00020569	0.00012044
RelInt RSD	*47.50338589*	*5.76102309*	*5.83089554*	*255.74684442*	*3666.29053*	*10.38083783*	*15.83256628*
RelInt SD	*0.00002817*	*0.00000910*	*0.00003561*	*0.00013256*	*0.00051978*	*0.00002135*	*0.00001907*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	10269.22900	7215.91590	6748.34820	4881.85220	3624.89140	3537.98970	1710.99760
Int RSD	*0.81423869*	*0.53030668*	*0.31813563*	*1.14744084*	*0.45600036*	*0.67083104*	*2.89027483*
Int SD	*83.61603600*	*38.26648400*	*21.46890000*	*56.01636600*	*16.52951800*	*23.73393300*	*49.45253300*
RelInt Mean	0.00214792	0.00015882	-0.00004427	0.00005190	0.00000890	0.00010370	0.00008008
RelInt RSD	*10.94053033*	*11.26254989*	*14.84648845*	*61.00016536*	*77.59570463*	*15.53322574*	*200.30109353*
RelInt SD	*0.00023499*	*0.00001789*	*0.00000657*	*0.00003166*	*0.00000691*	*0.00001611*	*0.00016041*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	53551.69500	3397.69980	11649.20200	1592085	33760911	315799	5252.67450
Int RSD	*0.97367323*	*0.56551927*	*0.36151397*	*0.68609228*	*0.58272684*	*0.63385248*	*0.73487242*
Int SD	*521.41852000*	*19.21464700*	*42.11349300*	*10923.17500*	*196734*	*2001.70030*	*38.60045600*
RelInt Mean	0.00007144	-0.00001442	0.00002709	---	---	---	0.00046154
RelInt RSD	*15.47887182*	*67.28612974*	*5.53006987*	---	---	---	*2.31919656*
RelInt SD	*0.00001106*	*0.00000971*	*0.00000150*	---	---	---	*0.00001070*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	227.07845000	7463.10200	8536.25190	446195	6677.58500	191100	
Int RSD	*28.57471063*	*1.35490899*	*0.35034745*	*0.46263696*	*0.34691259*	*0.47412242*	
Int SD	*64.88701000*	*101.11824000*	*29.90654100*	*2064.26080*	*23.16538300*	*906.05027000*	
RelInt Mean	-0.00025883	0.00086747	0.00119503	0.27923499	0.00005023	0.11788269	
RelInt RSD	*82.35128394*	*59.61878464*	*0.91918908*	*0.94252400*	*29.32598836*	*1.14342547*	
RelInt SD	*0.00021315*	*0.00051718*	*0.00001098*	*0.00263186*	*0.00001473*	*0.00134790*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L8,S16519			Sample Type: Calibration Sample
Measure Date: 2022-06-30 10:23:19	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	49054.31600	5559.52090	3938.24110	8970.68340	7774.97740	893463	7251.47740
Int RSD	*0.75132202*	*4.81133671*	*1.02351794*	*0.25330041*	*0.95567128*	*0.54063871*	*0.94344875*
Int SD	*368.55588000*	*267.48727000*	*40.30860400*	*22.72277800*	*74.30322600*	*4830.40750*	*68.41397300*
RelInt Mean	0.00004298	0.00038197	-0.00004340	0.00124869	0.00017556	3.02827110	-0.00000944
RelInt RSD	*16.64992963*	*140.74436246*	*58.97825936*	*1.35240043*	*22.52016880*	*0.50029481*	*450.79550989*
RelInt SD	*0.00000716*	*0.00053759*	*0.00002560*	*0.00001689*	*0.00003954*	*0.01515028*	*0.00004256*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7000.68930	49067.19900	9590.86270	71993.50200	193136	8814.12570	4811.64500
Int RSD	*0.40142606*	*0.58642055*	*2.12039705*	*0.51942570*	*0.28225913*	*0.37321844*	*0.36845690*
Int SD	*28.10259100*	*287.74014000*	*203.36437000*	*373.95275000*	*545.14371000*	*32.89594200*	*17.72883800*
RelInt Mean	0.00007095	0.00018888	0.00078881	0.24281648	0.64410936	0.00039944	0.00005599
RelInt RSD	*50.23666293*	*3.76778364*	*19.68949962*	*0.70835073*	*0.12570381*	*2.51465289*	*40.40068087*
RelInt SD	*0.00003565*	*0.00000712*	*0.00015531*	*0.00171999*	*0.00080967*	*0.00001004*	*0.00002262*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	1316759	7881.56480	7436.68290	5317.94970	4027.86270	3896.82380	2509.52560
Int RSD	*0.30571298*	*0.58902589*	*0.33860082*	*0.66748954*	*0.97413303*	*0.23269963*	*7.33331670*
Int SD	*4025.50170*	*46.42445700*	*25.18066900*	*35.49675800*	*39.23674100*	*9.06789450*	*184.03146000*
RelInt Mean	4.42518750	0.00014557	-0.00001363	0.00003464	0.00001170	0.00006438	0.00265149
RelInt RSD	*0.25909234*	*23.42898966*	*156.82641734*	*85.47044237*	*133.73575533*	*35.38998181*	*17.41349700*
RelInt SD	*0.01146532*	*0.00003410*	*0.00002138*	*0.00002961*	*0.00001565*	*0.00002278*	*0.00046172*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	57177.67700	3791.19440	13193.03800	1426107	29393542	296747	5602.91020
Int RSD	*0.99395323*	*0.37204426*	*1.55001107*	*0.22940485*	*0.10138940*	*0.20699929*	*0.27407766*
Int SD	*568.31937000*	*14.10492100*	*204.49355000*	*3271.55910*	*29801.93500*	*614.26444000*	*15.35632500*
RelInt Mean	0.00012677	-0.00000905	0.00002857	---	---	---	0.00043387
RelInt RSD	*6.67295863*	*93.15787297*	*9.84754212*	---	---	---	*3.22908716*
RelInt SD	*0.00000846*	*0.00000843*	*0.00000281*	---	---	---	*0.00001401*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	186.23684000	7202.61970	9262.72520	4317.12030	7330.87760	4798.33470	
Int RSD	*38.71801519*	*4.88450140*	*0.31360979*	*0.38194794*	*0.43371084*	*0.20476640*	
Int SD	*72.10720800*	*351.81206000*	*29.04881300*	*16.48915200*	*31.79481100*	*9.82537710*	
RelInt Mean	-0.00049680	0.00068403	0.00123825	0.00027411	0.00004788	-0.00000927	
RelInt RSD	*71.29099625*	*54.16680208*	*3.10392726*	*8.76179327*	*7.85019484*	*224.52922455*	
RelInt SD	*0.00035417*	*0.00037052*	*0.00003843*	*0.00002402*	*0.00000376*	*0.00002081*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICV,S16870			Sample Type: Control Sample
Measure Date: 2022-06-30 10:26:49	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	365399	6769.47060	28927.45800	106212	442698	430522	238415
Int RSD	*0.50352915*	*2.36928926*	*0.60504646*	*0.16920089*	*0.35362466*	*0.94736024*	*0.36041891*
Int SD	*1839.88840*	*160.38834000*	*175.02456000*	*179.71209000*	*1565.48910*	*4078.59370*	*859.29389000*
RelInt Mean	0.01039784	0.01066802	0.01708621	0.06778677	0.29732221	1.43582490	0.15786917
RelInt RSD	*0.56670255*	*1.14157609*	*1.53098069*	*0.62344919*	*0.56973342*	*0.50659846*	*0.48073360*
RelInt SD	*0.00005892*	*0.00012178*	*0.00026159*	*0.00042262*	*0.00169394*	*0.00727387*	*0.00075893*
Conc Mean	0.47761765[mg/l]	1.00220660[mg/l]	1.03056090[mg/l]	1.04593480[mg/l]	0.95103132[mg/l]	94.73148400[mg/l]	0.93660681[mg/l]
Conc RSD	*0.56847815*	*1.17844933*	*1.52645060*	*0.62724530*	*0.56979092*	*0.50739694*	*0.48366794*
Conc SD	*0.00271515[mg/l]*	*0.01181050[mg/l]*	*0.01573100[mg/l]*	*0.00656058[mg/l]*	*0.00541889[mg/l]*	*0.48066465[mg/l]*	*0.00453007[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	177589	852684	371236	38084.53800	102015	1806975	195914
Int RSD	*0.42724560*	*0.68738768*	*0.60868296*	*1.07235020*	*0.05273972*	*0.31002714*	*0.17453760*
Int SD	*758.73977000*	*5861.24480*	*2259.64850*	*408.39962000*	*53.80261800*	*5602.11160*	*341.94389000*
RelInt Mean	0.11658138	0.02654914	0.24797406	0.12590525	0.33126141	1.22898560	0.13064336
RelInt RSD	*0.57726911*	*0.77193509*	*0.97844932*	*0.95495938*	*1.12339228*	*0.36365629*	*0.60915382*
RelInt SD	*0.00067299*	*0.00020494*	*0.00242630*	*0.00120234*	*0.00372137*	*0.00446928*	*0.00079582*
Conc Mean	0.91854194[mg/l]	0.92922014[mg/l]	0.98525631[mg/l]	103.66287000[mg/l]	102.78314000[mg/l]	0.96475428[mg/l]	1.00946920[mg/l]
Conc RSD	*0.57751267*	*0.77637185*	*0.98117250*	*0.95575110*	*1.12432379*	*0.36369684*	*0.60905491*
Conc SD	*0.00530470[mg/l]*	*0.00721420[mg/l]*	*0.00966706[mg/l]*	*0.99075902[mg/l]*	*1.15561530[mg/l]*	*0.00350878[mg/l]*	*0.00614822[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	662518	159116	52114.37300	33030.12900	23998.49800	364162	300586
Int RSD	*1.05858404*	*0.41034143*	*0.47825367*	*0.84371944*	*0.26899616*	*0.18298999*	*0.97641138*
Int SD	*7013.31150*	*652.92039000*	*249.23890000*	*278.68162000*	*64.55503700*	*666.37994000*	*2934.96020*
RelInt Mean	2.17644760	0.10342993	0.03052487	0.01897665	0.01368336	0.24624751	0.99745458
RelInt RSD	*0.20201054*	*0.65738206*	*0.20721055*	*1.51382233*	*0.83559199*	*0.52261170*	*0.29825625*
RelInt SD	*0.00439665*	*0.00067993*	*0.00006325*	*0.00028727*	*0.00011434*	*0.00128692*	*0.00297497*
Conc Mean	98.03818000[mg/l]	0.92975074[mg/l]	0.95567926[mg/l]	1.00422040[mg/l]	0.95429708[mg/l]	4.70673500[mg/l]	0.94710164[mg/l]
Conc RSD	*0.20227179*	*0.65834173*	*0.20723827*	*1.51610971*	*0.83441832*	*0.52266042*	*0.29818743*
Conc SD	*0.19830358[mg/l]*	*0.00612094[mg/l]*	*0.00198053[mg/l]*	*0.01522508[mg/l]*	*0.00796283[mg/l]*	*0.02460024[mg/l]*	*0.00282414[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3100017	15359.58000	165445	1472179	30459127	301417	386004
Int RSD	*1.05660485*	*0.24848454*	*0.57262499*	*0.64915655*	*0.09423133*	*1.13110193*	*0.33391061*
Int SD	*32754.93000*	*38.16618100*	*947.38091000*	*9556.74450*	*28702.04200*	*3409.33780*	*1288.90860*
RelInt Mean	0.10012880	0.00784246	0.00504880	---	---	---	0.26028815
RelInt RSD	*1.12119930*	*0.92013342*	*0.75282280*	---	---	---	*0.67361595*
RelInt SD	*0.00112264*	*0.00007216*	*0.00003801*	---	---	---	*0.00175334*
Conc Mean	0.98043918[mg/l]	0.95692097[mg/l]	0.94989315[mg/l]	1463492	30384297	299572	0.95112079[mg/l]
Conc RSD	*1.12117592*	*0.92189105*	*0.75719732*	---	---	---	*0.67407320*
Conc SD	*0.01099245[mg/l]*	*0.00882177[mg/l]*	*0.00719257[mg/l]*	*9544.88560*	*28715.59900*	*3426.57430*	*0.00641125[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	77551.48100	35614.40100	418476	217935	362186	4874.01490	
Int RSD	*0.33442929*	*0.82207436*	*0.39316481*	*0.52702614*	*0.44253397*	*0.85511087*	
Int SD	*259.35487000*	*292.77686000*	*1645.30040*	*1148.57500*	*1602.79530*	*41.67823100*	
RelInt Mean	0.25796881	0.09527472	0.28072299	0.14609494	0.24231067	0.00010091	
RelInt RSD	*1.35022463*	*1.70285269*	*0.54312410*	*0.47448498*	*0.47511370*	*16.69240165*	
RelInt SD	*0.00348316*	*0.00162239*	*0.00152467*	*0.00069320*	*0.00115125*	*0.00001684*	
Conc Mean	0.98982863[mg/l]	0.96952410[mg/l]	5.10925910[mg/l]	5.22840500[mg/l]	0.97518557[mg/l]	0.01260418[mg/l]	
Conc RSD	*1.34920911*	*1.70911337*	*0.54523761*	*0.47516457*	*0.47324653*	*11.33164754*	
Conc SD	*0.01335486[mg/l]*	*0.01657027[mg/l]*	*0.02785760[mg/l]*	*0.02484353[mg/l]*	*0.00461503[mg/l]*	*0.00142826[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 465035 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482261233014 File : met06_master Time : 30-JUN-2022 10:36
Cal : 482261233001 Caldate : 30-JUN-2022
Standards: S16520, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.01513]	0.003333	mg/l	a- ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	146.6	mg/l	92	
Iron as Fe2O3	A	228.8	209.7	mg/l	92	
Aluminum	R	400.0	382.8	mg/l	96	
Aluminum as Al2O3	R	755.8	723.3	mg/l	96	
Calcium	R	400.0	387.0	mg/l	97	
Calcium as CaCO3	R	998.9	966.4	mg/l	97	
Magnesium	R	400.0	416.8	mg/l	104	
Magnesium as MgCO3	R	1388	1446	mg/l	104	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	32899157	28798978	-12.46
Yttrium	A	1545938	1381831	-10.62
Yttrium	R	312921	291567	-6.82

-=low bias a=ICSA

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICSA,S16520			Sample Type: Control Sample
Measure Date: 2022-06-30 10:36:37	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	50126.58600	1155430	10143.34800	10748.83100	8879.23430	1698026	8414.34550
Int RSD	*0.04249059*	*0.10871801*	*0.32330572*	*0.29870588*	*0.12715542*	*0.21621788*	*0.49218438*
Int SD	*21.29908400*	*1256.16040*	*32.79402400*	*32.10739000*	*11.29042800*	*3671.43600*	*41.41409400*
RelInt Mean	0.00002807	3.94763330	-0.00009865	0.00131645	0.00019627	5.85836390	0.00014084
RelInt RSD	*30.88544736*	*0.29520351*	*26.91999593*	*0.72641223*	*6.65904410*	*0.11818637*	*20.07012932*
RelInt SD	*0.00000867*	*0.01165355*	*0.00002656*	*0.00000956*	*0.00001307*	*0.00692379*	*0.00002827*
Conc Mean	<-0.00020524[mg/l]	>382.80627000[mg/l]	<-0.00228768[mg/l]	0.01406476[mg/l]	0.00051204[mg/l]	>386.97670000[mg/l]	0.00071046[mg/l]
Conc RSD	*194.64421540*	*0.29522800*	*69.80943007*	*1.05548968*	*8.50049064*	*0.11823199*	*23.41163877*
Conc SD	*0.00039949[mg/l]*	*1.13015130[mg/l]*	*0.00159702[mg/l]*	*0.00014845[mg/l]*	*0.00004353[mg/l]*	*0.45753027[mg/l]*	*0.00016633[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	8068.29570	51729.27900	50497538	356.12917000	392607	13664.92800	14342.53400
Int RSD	*1.01587413*	*0.53298756*	*0.40222620*	*27.21221404*	*0.11532948*	*1.66985234*	*0.79139704*
Int SD	*81.96372900*	*275.71062000*	*203114*	*96.91063200*	*452.79123000*	*228.18412000*	*113.50639000*
RelInt Mean	-0.00020774	0.00018546	36.80672500	0.00024918	1.34236880	0.00157320	-0.00021619
RelInt RSD	*55.28020457*	*2.95167589*	*0.31501026*	*141.54329079*	*0.31084028*	*9.06767821*	*28.73654656*
RelInt SD	*0.00011484*	*0.00000547*	*0.11594496*	*0.00035269*	*0.00417262*	*0.00014265*	*0.00006213*
Conc Mean	<-0.00202455[mg/l]	0.00118951[mg/l]	>146.64557000[mg/l]	<0.11981345[mg/l]	>416.76842000[mg/l]	0.00113261[mg/l]	<-0.00150352[mg/l]
Conc RSD	*44.71036177*	*16.19969989*	*0.31501511*	*242.56545488*	*0.31090419*	*9.88818485*	*31.92201214*
Conc SD	*0.00090519[mg/l]*	*0.00019270[mg/l]*	*0.46195570[mg/l]*	*0.29062604[mg/l]*	*1.29575050[mg/l]*	*0.00011199[mg/l]*	*0.00047996[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	10502.66600	8660.89990	17311.11400	16972.00400	11574.33800	9882.37230	7278.41690
Int RSD	*1.22746958*	*1.41367515*	*0.98369088*	*0.53086511*	*0.92018118*	*0.82442538*	*1.25139281*
Int SD	*128.91703000*	*122.43699000*	*170.28785000*	*90.09844700*	*106.50488000*	*81.47278500*	*91.08158600*
RelInt Mean	0.00564227	-0.00002155	0.00194689	0.00007133	-0.00016889	-0.00021629	0.01927910
RelInt RSD	*5.32322652*	*410.61540382*	*4.83376661*	*141.53149343*	*35.18576128*	*24.94334178*	*0.92753738*
RelInt SD	*0.00030035*	*0.00008850*	*0.00009411*	*0.00010096*	*0.00005943*	*0.00005395*	*0.00017882*
Conc Mean	0.12749708[mg/l]	<-0.00155193[mg/l]	<-0.01512902[mg/l]	<0.00564394[mg/l]	<-0.01042334[mg/l]	<-0.00455775[mg/l]	0.01852671[mg/l]
Conc RSD	*10.62520804*	*51.33735975*	*20.09616815*	*94.92708935*	*39.70603563*	*22.62672091*	*0.91626466*
Conc SD	*0.01354683[mg/l]*	*0.00079672[mg/l]*	*0.00304035[mg/l]*	*0.00535762[mg/l]*	*0.00413869[mg/l]*	*0.00103127[mg/l]*	*0.00016975[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	67615.29000	10843.55300	14857.40600	1381831	28798978	291567	16887.16500
Int RSD	*4.21983267*	*0.87684511*	*1.07909234*	*0.13914638*	*0.19443544*	*0.19017699*	*0.40517357*
Int SD	*2853.25210*	*95.08116400*	*160.32513000*	*1922.76710*	*55995.42000*	*554.49248000*	*68.42232900*
RelInt Mean	0.00042702	0.00039270	0.00001548	---	---	---	0.00068223
RelInt RSD	*23.78772758*	*9.28418546*	*16.84067097*	---	---	---	*2.61133792*
RelInt SD	*0.00010158*	*0.00003646*	*0.00000261*	---	---	---	*0.00001782*
Conc Mean	0.00420206[mg/l]	0.05231239[mg/l]	<-0.00199170[mg/l]	1371595	28714166	289630	0.00192468[mg/l]
Conc RSD	*23.66965024*	*8.50715051*	*24.77899124*	---	---	---	*3.40787682*
Conc SD	*0.00099461[mg/l]*	*0.00445029[mg/l]*	*0.00049352[mg/l]*	*1826.66650*	*55935.11000*	*581.33833000*	*0.00006559[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	221.07620000	6878.12850	11778.76600	8224.49330	8855.32280	9838.58370	
Int RSD	*19.88393278*	*1.06122171*	*0.61687159*	*0.58508373*	*0.75204231*	*0.50791152*	
Int SD	*43.95864300*	*72.99219300*	*72.65986100*	*48.12017200*	*66.59577400*	*49.97130000*	
RelInt Mean	-0.00039966	0.00099567	0.00186132	0.00014719	-0.00017873	-0.00000099	
RelInt RSD	*37.52656003*	*19.69777785*	*1.60003860*	*31.75523483*	*44.67457084*	*3801.65346*	
RelInt SD	*0.00014998*	*0.00019612*	*0.00002978*	*0.00004674*	*0.00007985*	*0.00003767*	
Conc Mean	<-0.00078616[mg/l]	<0.00660457[mg/l]	0.01355687[mg/l]	<-0.00220460[mg/l]	<-0.00092699[mg/l]	<0.00396379[mg/l]	
Conc RSD	*73.14379565*	*30.32925773*	*3.97392967*	*75.98252837*	*34.49911827*	*80.59630431*	
Conc SD	*0.00057503[mg/l]*	*0.00200312[mg/l]*	*0.00053874[mg/l]*	*0.00167511[mg/l]*	*0.00031980[mg/l]*	*0.00319467[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 465035 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482261233015 File : met06_master Time : 30-JUN-2022 10:39
Cal : 482261233001 Caldate : 30-JUN-2022
Standards: S16601, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	0.9725	mg/l	-3	20	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	32899157	29005768	-11.83
Yttrium	A	1545938	1398669	-9.53
Yttrium	R	312921	292481	-6.53

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICSAB,S16601			Sample Type: Control Sample
Measure Date: 2022-06-30 10:39:53	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	708131	1135771	10096.05200	10675.27200	228493	1676732	115203
Int RSD	*0.25910413*	*0.65295251*	*0.72193663*	*1.12198603*	*0.31116651*	*0.34428089*	*0.40558309*
Int SD	*1834.79610*	*7416.04400*	*72.88709800*	*119.77506000*	*710.99303000*	*5772.66930*	*467.24571000*
RelInt Mean	0.02272966	3.86780490	-0.00007786	0.00125319	0.15828269	5.76592170	0.07692445
RelInt RSD	*0.78982814*	*0.52635282*	*60.96762086*	*8.82619804*	*0.33466246*	*0.19520473*	*0.46564528*
RelInt SD	*0.00017953*	*0.02035830*	*0.00004747*	*0.00011061*	*0.00052971*	*0.01125535*	*0.00035820*
Conc Mean	1.04584840[mg/l]	>375.06458000[mg/l]	<-0.00149801[mg/l]	0.01308268[mg/l]	0.50820725[mg/l]	>380.86804000[mg/l]	0.45712841[mg/l]
Conc RSD	*0.79096403*	*0.52639871*	*190.60748826*	*13.12474274*	*0.33500512*	*0.19528099*	*0.46586982*
Conc SD	*0.00827228[mg/l]*	*1.97433510[mg/l]*	*0.00285532[mg/l]*	*0.00171707[mg/l]*	*0.00170252[mg/l]*	*0.74376287[mg/l]*	*0.00212962[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	99937.87300	474132	49171516	322.22628000	380077	903163	14315.23600
Int RSD	*0.09416639*	*0.21461004*	*0.13545425*	*20.02913232*	*0.14872828*	*0.29543100*	*0.69337015*
Int SD	*94.10788800*	*1017.53460*	*66604.90700*	*64.53912800*	*565.28197000*	*2668.22200*	*99.25757300*
RelInt Mean	0.06594243	0.01474507	35.40844600	0.00026836	1.29505260	0.64221590	-0.00017533
RelInt RSD	*0.11781325*	*0.78772128*	*0.19901230*	*35.20916494*	*0.15663151*	*0.36804368*	*29.38126046*
RelInt SD	*0.00007769*	*0.00011615*	*0.07046716*	*0.00009449*	*0.00202846*	*0.00236364*	*0.00005152*
Conc Mean	0.51939075[mg/l]	0.51370386[mg/l]	>141.07443000[mg/l]	<0.13562364[mg/l]	>402.07501000[mg/l]	0.50409086[mg/l]	<-0.00118790[mg/l]
Conc RSD	*0.11790060*	*0.79591099*	*0.19901860*	*57.40918102*	*0.15666351*	*0.36811764*	*33.50354246*
Conc SD	*0.00061236[mg/l]*	*0.00408863[mg/l]*	*0.28076436[mg/l]*	*0.07786042[mg/l]*	*0.62990484[mg/l]*	*0.00185565[mg/l]*	*0.00039799[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	10812.25300	153655	61205.52200	16826.43800	11475.56500	9816.40700	8627.23840
Int RSD	*0.78866464*	*0.33826285*	*0.13742746*	*0.50853142*	*0.72283365*	*0.60604929*	*1.03495599*
Int SD	*85.27241600*	*519.75791000*	*84.11319400*	*85.56772400*	*82.94924500*	*59.49226500*	*89.28812100*
RelInt Mean	0.00665156	0.10433935	0.03344735	0.00006038	-0.00018837	-0.00020486	0.02405030
RelInt RSD	*10.60684145*	*0.31554279*	*0.13059465*	*64.10120422*	*35.98563774*	*26.79477603*	*1.51359322*
RelInt SD	*0.00070552*	*0.00032924*	*0.00004368*	*0.00003871*	*0.00006779*	*0.00005489*	*0.00036402*
Conc Mean	0.17301978[mg/l]	0.93793757[mg/l]	0.97246798[mg/l]	<0.00200377[mg/l]	<-0.01177979[mg/l]	<-0.00433937[mg/l]	0.02305598[mg/l]
Conc RSD	*18.39175671*	*0.31599753*	*0.17772005*	*102.42103876*	*40.07632140*	*24.18095970*	*1.49881105*
Conc SD	*0.03182138[mg/l]*	*0.00296386[mg/l]*	*0.00172827[mg/l]*	*0.00205228[mg/l]*	*0.00472091[mg/l]*	*0.00104930[mg/l]*	*0.00034557[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	69781.09300	10677.96200	92626.33200	1398669	29005768	292481	375175
Int RSD	*1.73448946*	*0.70941139*	*0.55851625*	*0.08114824*	*0.58901216*	*0.21286600*	*0.28539686*
Int SD	*1210.34570*	*75.75067900*	*517.33312000*	*1134.99490*	*170848*	*622.59332000*	*1070.73850*
RelInt Mean	0.00049386	0.00023826	0.00269876	---	---	---	0.25875623
RelInt RSD	*6.34733606*	*43.77867096*	*1.17872415*	---	---	---	*0.32884251*
RelInt SD	*0.00003135*	*0.00010431*	*0.00003181*	---	---	---	*0.00085090*
Conc Mean	0.00485649[mg/l]	0.03344982[mg/l]	0.50567134[mg/l]	1388317	28920899	290585	0.94571838[mg/l]
Conc RSD	*6.32007450*	*38.08539108*	*1.19020985*	---	---	---	*0.32912023*
Conc SD	*0.00030693[mg/l]*	*0.01273949[mg/l]*	*0.00601855[mg/l]*	*1111.27140*	*170742*	*626.96752000*	*0.00311255[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	38298.84800	6972.66080	12662.07300	8473.52920	368450	10258.52100	
Int RSD	*0.42415150*	*2.88893072*	*1.05638595*	*0.97042007*	*0.30041763*	*0.60387946*	
Int SD	*162.44514000*	*201.43534000*	*133.76036000*	*82.22882800*	*1106.88760*	*61.94910100*	
RelInt Mean	0.13057216	0.00113280	0.00246880	0.00032587	0.25849534	0.00031192	
RelInt RSD	*0.11227963*	*24.90554955*	*2.50673348*	*7.24423050*	*0.35776693*	*10.96575305*	
RelInt SD	*0.00014661*	*0.00028213*	*0.00006189*	*0.00002361*	*0.00092481*	*0.00003420*	
Conc Mean	0.50137501[mg/l]	<0.00800518[mg/l]	0.02469997[mg/l]	0.00419923[mg/l]	1.04434070[mg/l]	0.03049717[mg/l]	
Conc RSD	*0.11211394*	*35.99592724*	*4.58202102*	*20.14766727*	*0.35690393*	*9.51029384*	
Conc SD	*0.00056211[mg/l]*	*0.00288154[mg/l]*	*0.00113176[mg/l]*	*0.00084605[mg/l]*	*0.00372729[mg/l]*	*0.00290037[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 465035 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482261233021 File : met06_master Time : 30-JUN-2022 11:10
Cal : 482261233001 Caldate : 30-JUN-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	32899157	33406842	1.54
Yttrium	A	1545938	1601278	3.58
Yttrium	R	312921	311370	-0.50

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICB,1			Sample Type: Control Sample
Measure Date: 2022-06-30 11:10:28	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	50932.02100	2164.50420	3518.76980	7837.82710	7230.49880	1140.00790	6821.16750
Int RSD	*0.42091668*	*2.78451684*	*0.76105757*	*0.56349171*	*0.10323162*	*5.31132846*	*1.12560847*
Int SD	*214.38137000*	*60.27098400*	*26.77986400*	*44.16550600*	*7.46416120*	*60.54956400*	*76.77963900*
RelInt Mean	0.00005660	0.00082884	-0.00004479	0.00083577	0.00008539	0.00253695	-0.00000787
RelInt RSD	*3.64618330*	*17.68931424*	*37.62751093*	*3.52904112*	*5.63134076*	*13.08872794*	*780.38358720*
RelInt SD	*0.00000206*	*0.00014662*	*0.00001685*	*0.00002949*	*0.00000481*	*0.00033205*	*0.00006138*
Conc Mean	<0.00110915[mg/l]	0.04801009[mg/l]	<0.00094998[mg/l]	0.00660275[mg/l]	<0.00014487[mg/l]	<0.01857362[mg/l]	<-0.00016762[mg/l]
Conc RSD	*8.57288672*	*29.61603511*	*106.73169778*	*6.93450005*	*10.09660049*	*118.13751146*	*217.50834845*
Conc SD	*0.00009509[mg/l]*	*0.01421869[mg/l]*	*0.00101393[mg/l]*	*0.00045787[mg/l]*	*0.00001463[mg/l]*	*0.02194242[mg/l]*	*0.00036460[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6332.24470	49409.81700	9626.07630	373.52273000	2608.54320	7702.93230	4666.36450
Int RSD	*0.64842922*	*0.57772019*	*2.47200233*	*4.68485572*	*2.59122164*	*0.46330429*	*0.91207684*
Int SD	*41.06012500*	*285.45049000*	*237.95683000*	*17.49900100*	*67.59313600*	*35.68801600*	*42.56083000*
RelInt Mean	0.00005978	0.00016210	0.00115283	0.00005851	-0.00010994	0.00008972	0.00017538
RelInt RSD	*48.24322492*	*3.84745533*	*13.72361157*	*250.47367791*	*391.27141033*	*4.49723343*	*26.52669605*
RelInt SD	*0.00002884*	*0.00000624*	*0.00015821*	*0.00014655*	*0.00043018*	*0.00000403*	*0.00004652*
Conc Mean	<0.00008413[mg/l]	<0.00036711[mg/l]	0.00185135[mg/l]	<-0.03729918[mg/l]	<-0.11960244[mg/l]	<-0.00003205[mg/l]	0.00152157[mg/l]
Conc RSD	*270.21526504*	*59.80111056*	*34.04841224*	*323.76956531*	*111.69129158*	*9.88428414*	*23.62107336*
Conc SD	*0.00022734[mg/l]*	*0.00021954[mg/l]*	*0.00063036[mg/l]*	*0.12076338[mg/l]*	*0.13358551[mg/l]*	*0.00000317[mg/l]*	*0.00035941[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	10757.68800	7450.76160	7002.75490	4973.83520	3752.74500	3670.34300	1755.51580
Int RSD	*1.37747386*	*0.42068964*	*0.65884469*	*0.50593200*	*0.55650456*	*1.42749555*	*2.13712021*
Int SD	*148.18434000*	*31.34458200*	*46.13727900*	*25.16422400*	*20.88419700*	*52.39398300*	*37.51748300*
RelInt Mean	0.00245933	0.00016075	-0.00001890	0.00000804	0.00000790	0.00010975	-0.00021233
RelInt RSD	*6.23234513*	*21.88586911*	*247.97376223*	*176.38045288*	*107.78303513*	*29.33678312*	*69.06948957*
RelInt SD	*0.00015327*	*0.00003518*	*0.00004686*	*0.00001418*	*0.00000851*	*0.00003220*	*0.00014666*
Conc Mean	<-0.01606420[mg/l]	<0.00008919[mg/l]	<-0.00023445[mg/l]	<0.00227034[mg/l]	<0.00188893[mg/l]	<0.00167462[mg/l]	<0.00002363[mg/l]
Conc RSD	*43.03464804*	*355.11232997*	*624.85664729*	*33.22588336*	*31.37505872*	*36.75239095*	*589.06471075*
Conc SD	*0.00691317[mg/l]*	*0.00031671[mg/l]*	*0.00146496[mg/l]*	*0.00075434[mg/l]*	*0.00059265[mg/l]*	*0.00061546[mg/l]*	*0.00013922[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	55619.10100	3522.11240	12162.80600	1601278	33406842	311370	5031.51180
Int RSD	*1.27151545*	*0.23509751*	*1.38929479*	*0.60316943*	*0.32943066*	*0.65973983*	*1.08795792*
Int SD	*707.20546000*	*8.28039870*	*168.97723000*	*9658.41940*	*110052*	*2054.23480*	*54.74073100*
RelInt Mean	0.00007861	-0.00000929	0.00002615	---	---	---	0.00021994
RelInt RSD	*23.16884129*	*144.59033074*	*15.84440565*	---	---	---	*8.83798890*
RelInt SD	*0.00001821*	*0.00001343*	*0.00000414*	---	---	---	*0.00001944*
Conc Mean	0.00079057[mg/l]	<0.00322163[mg/l]	<0.00002598[mg/l]	1592848	33332505	309273	0.00023252[mg/l]
Conc RSD	*22.55756036*	*50.93188443*	*3018.10784*	---	---	---	*30.60333863*
Conc SD	*0.00017833[mg/l]*	*0.00164084[mg/l]*	*0.00078409[mg/l]*	*9627.37730*	*110190*	*1968.47660*	*0.00007116[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	212.28925000	7687.89490	8698.19800	3822.98390	6918.70220	4303.30240	
Int RSD	*35.55118735*	*3.91461075*	*0.66710309*	*1.91092929*	*0.14599562*	*0.53347717*	
Int SD	*75.47134900*	*300.95116000*	*58.02594800*	*73.05451900*	*10.10100200*	*22.95713600*	
RelInt Mean	-0.00037936	0.00085057	0.00115498	0.00015050	0.00005893	-0.00005482	
RelInt RSD	*45.36075017*	*71.64593095*	*4.06088266*	*28.25701125*	*20.96397365*	*22.11435747*	
RelInt SD	*0.00017208*	*0.00060940*	*0.00004690*	*0.00004253*	*0.00001235*	*0.00001212*	
Conc Mean	<-0.00070835[mg/l]	<0.00512259[mg/l]	<0.00052415[mg/l]	<-0.00208599[mg/l]	<0.00002157[mg/l]	<-0.00060033[mg/l]	
Conc RSD	*93.14273401*	*121.50261453*	*164.45994289*	*73.06346645*	*216.49909266*	*171.22364460*	
Conc SD	*0.00065978[mg/l]*	*0.00622408[mg/l]*	*0.00086202[mg/l]*	*0.00152410[mg/l]*	*0.00004671[mg/l]*	*0.00102791[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 465035 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482261233088 File : met06_master Time : 30-JUN-2022 16:42
Cal : 482261233001 Caldate : 30-JUN-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0305	0.0333	1.000	1.041	mg/l	4	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	32899157	31413251	-4.52
Yttrium	A	1545938	1614099	4.41
Yttrium	R	312921	303036	-3.16

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S16870	Sample Type: Control Sample		
Measure Date: 2022-06-30 16:42:35	Recalculation Date:	State: Check failed	Quality: Failed

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	409950	7532.40320	33787.66900	114689	504241	444702	281742
Int RSD	*0.62739863*	*2.98991323*	*0.57174791*	*0.41143898*	*0.22206074*	*0.53118729*	*0.10846037*
Int SD	*2572.01830*	*225.21232000*	*193.18029000*	*471.87328000*	*1119.72030*	*2362.19930*	*305.57857000*
RelInt Mean	0.01116803	0.01148955	0.01810131	0.06619430	0.30867810	1.47700970	0.17006123
RelInt RSD	*0.65096730*	*5.64461576*	*0.20811745*	*0.91041016*	*0.97554028*	*0.28620336*	*0.77090451*
RelInt SD	*0.00007270*	*0.00064854*	*0.00003767*	*0.00060264*	*0.00301128*	*0.00422725*	*0.00131101*
Conc Mean	0.51310694[mg/l]	1.08187840[mg/l]	1.09157950[mg/l]	1.02121360[mg/l]	0.98742786[mg/l]	97.45301200[mg/l]	1.00898870[mg/l]
Conc RSD	*0.65286987*	*5.81350057*	*0.20693154*	*0.91608721*	*0.97467112*	*0.28663811*	*0.77087209*
Conc SD	*0.00334992[mg/l]*	*0.06289501[mg/l]*	*0.00225882[mg/l]*	*0.00935521[mg/l]*	*0.00962417[mg/l]*	*0.27933747[mg/l]*	*0.00777801[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	204420	901125	412490	39352.28500	102708	1980004	219456
Int RSD	*0.21034888*	*0.51872630*	*0.23214087*	*1.28058627*	*0.47432964*	*0.54431896*	*0.52254425*
Int SD	*429.99579000*	*4674.37180*	*957.55721000*	*503.93996000*	*487.17653000*	*10777.53500*	*1146.75660*
RelInt Mean	0.12219245	0.02700119	0.25087853	0.12938726	0.33045234	1.22840380	0.13322326
RelInt RSD	*0.83449043*	*0.51856770*	*1.00899655*	*1.95679868*	*1.13762995*	*0.27557929*	*1.28934895*
RelInt SD	*0.00101968*	*0.00014002*	*0.00253136*	*0.00253185*	*0.00375932*	*0.00338523*	*0.00171771*
Conc Mean	0.96277005[mg/l]	0.94513270[mg/l]	0.99682857[mg/l]	106.53211000[mg/l]	102.53189000[mg/l]	0.96429751[mg/l]	1.02940060[mg/l]
Conc RSD	*0.83482779*	*0.52149692*	*1.01177297*	*1.95837199*	*1.13857776*	*0.27561193*	*1.28913807*
Conc SD	*0.00803747[mg/l]*	*0.00492884[mg/l]*	*0.01008564[mg/l]*	*2.08629500[mg/l]*	*1.16740530[mg/l]*	*0.00265772[mg/l]*	*0.01327039[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	672544	190104	62426.00100	38372.36200	27690.81300	431337	302621
Int RSD	*0.58979838*	*0.07524064*	*0.27413918*	*0.28016568*	*0.37480481*	*0.23351376*	*0.50137528*
Int SD	*3966.65590*	*143.03547000*	*171.13413000*	*107.50619000*	*103.78650000*	*1007.23030*	*1517.26660*
RelInt Mean	2.19793160	0.11264083	0.03326182	0.01990465	0.01420970	0.26610525	0.99939667
RelInt RSD	*0.64820529*	*0.84832668*	*0.82367738*	*0.56581201*	*0.46853775*	*0.84361973*	*0.34841608*
RelInt SD	*0.01424711*	*0.00095556*	*0.00027397*	*0.00011262*	*0.00006658*	*0.00224492*	*0.00348206*
Conc Mean	99.00718000[mg/l]	1.01267010[mg/l]	1.04133750[mg/l]	1.05324300[mg/l]	0.99095291[mg/l]	5.08632670[mg/l]	0.94894525[mg/l]
Conc RSD	*0.64903530*	*0.84946725*	*0.82257047*	*0.56340814*	*0.46790465*	*0.84368879*	*0.34833479*
Conc SD	*0.64259155[mg/l]*	*0.00860230[mg/l]*	*0.00856573[mg/l]*	*0.00593406[mg/l]*	*0.00463671[mg/l]*	*0.04291277[mg/l]*	*0.00330551[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3374744	17250.27400	187442	1614099	31413251	303036	475279
Int RSD	*1.23823865*	*0.22214976*	*0.94895323*	*0.76914026*	*0.09478719*	*0.71758118*	*0.22720707*
Int SD	*41787.38700*	*38.32144200*	*1778.73920*	*12414.68600*	*29775.73800*	*2174.53010*	*1079.86790*
RelInt Mean	0.10550659	0.00780617	0.00550335	---	---	---	0.29249437
RelInt RSD	*1.21582150*	*1.07126324*	*0.94904027*	---	---	---	*1.00005186*
RelInt SD	*0.00128277*	*0.00008362*	*0.00005223*	---	---	---	*0.00292510*
Conc Mean	1.03309620[mg/l]	0.95230304[mg/l]	1.03588400[mg/l]	1603601	31325060	300666	1.06891160[mg/l]
Conc RSD	*1.21579481*	*1.06641411*	*0.95372381*	---	---	---	*1.00068640*
Conc SD	*0.01256033[mg/l]*	*0.01015549[mg/l]*	*0.00987947[mg/l]*	*12444.35800*	*29535.06300*	*2176.80670*	*0.01069645[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	76373.83800	35980.64700	479007	261042	408458	5999.09230	
Int RSD	*0.19082182*	*1.01569455*	*0.42720917*	*0.38585305*	*0.34535013*	*1.03009835*	
Int SD	*145.73795000*	*365.45347000*	*2046.36220*	*1007.23810*	*1410.60930*	*61.79655100*	
RelInt Mean	0.25264971	0.09311154	0.29287982	0.15974416	0.24892553	0.00026416	
RelInt RSD	*0.78089090*	*1.75364357*	*1.17593414*	*1.11351457*	*0.98804052*	*13.05797841*	
RelInt SD	*0.00197292*	*0.00163284*	*0.00344407*	*0.00177877*	*0.00245949*	*0.00003449*	
Conc Mean	0.96943458[mg/l]	0.94743044[mg/l]	5.33194670[mg/l]	5.71757810[mg/l]	1.00169340[mg/l]	0.02644758[mg/l]	
Conc RSD	*0.78029023*	*1.76024131*	*1.18030756*	*1.11497218*	*0.99134722*	*11.05944530*	
Conc SD	*0.00756440[mg/l]*	*0.01667706[mg/l]*	*0.06293337[mg/l]*	*0.06374940[mg/l]*	*0.00993026[mg/l]*	*0.00292496[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 465035 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482261233089 File : met06_master Time : 30-JUN-2022 16:45
Cal : 482261233001 Caldate : 30-JUN-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	32899157	34025053	3.42
Yttrium	A	1545938	1731982	12.03
Yttrium	R	312921	312708	-0.07

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2022-06-30 16:45:50	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	59834.51700	2500.28770	4238.45760	9306.03330	8678.39000	1571.72690	8215.80670
Int RSD	*0.37599067*	*3.89796414*	*0.80670081*	*0.60268474*	*0.45088664*	*8.52345659*	*0.70008756*
Int SD	*224.97220000*	*97.46031800*	*34.19167200*	*56.08604300*	*39.12970100*	*133.96546000*	*57.51784100*
RelInt Mean	0.00005170	0.00074087	-0.00002832	0.00087351	0.00010698	0.00373239	0.00001345
RelInt RSD	*4.59456034*	*16.34446671*	*78.81561578*	*2.62936995*	*26.58489231*	*9.98824586*	*202.78016898*
RelInt SD	*0.00000238*	*0.00012109*	*0.00002232*	*0.00002297*	*0.00002844*	*0.00037280*	*0.00002728*
Conc Mean	<0.00088375[mg/l]	0.03947942[mg/l]	<0.00194045[mg/l]	0.00718860[mg/l]	<0.00021015[mg/l]	0.09756936[mg/l]	<-0.00004509[mg/l]
Conc RSD	*12.38611934*	*29.74563353*	*69.20175815*	*4.95988189*	*43.98982299*	*25.24864698*	*354.51366410*
Conc SD	*0.00010946[mg/l]*	*0.01174340[mg/l]*	*0.00134283[mg/l]*	*0.00035655[mg/l]*	*0.00009244[mg/l]*	*0.02463494[mg/l]*	*0.00015984[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7557.66020	58553.27500	11938.19900	642.61455000	3063.22570	9391.30980	5845.63740
Int RSD	*0.23622150*	*0.47915018*	*8.18239242*	*22.00803265*	*3.78345742*	*1.22172468*	*3.69411897*
Int SD	*17.85281800*	*280.55812000*	*976.83029000*	*141.42682000*	*115.89584000*	*114.73595000*	*215.94480000*
RelInt Mean	0.00005073	0.00019647	0.00150753	0.00048631	-0.00018320	0.00018862	0.00031782
RelInt RSD	*33.17608708*	*4.10342154*	*36.43326007*	*82.88851161*	*62.86452193*	*26.79605032*	*33.83440660*
RelInt SD	*0.00001683*	*0.00000806*	*0.00054924*	*0.00040309*	*0.00011517*	*0.00005054*	*0.00010753*
Conc Mean	<0.00001280[mg/l]	0.00157707[mg/l]	0.00326456[mg/l]	<0.31521281[mg/l]	<-0.14235174[mg/l]	<0.00004560[mg/l]	0.00262203[mg/l]
Conc RSD	*1036.83278*	*17.99481723*	*67.03310451*	*105.37509564*	*25.12372943*	*87.02358960*	*31.68375174*
Conc SD	*0.00013267[mg/l]*	*0.00028379[mg/l]*	*0.00218834[mg/l]*	*0.33215580[mg/l]*	*0.03576407[mg/l]*	*0.00003968[mg/l]*	*0.00083076[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	12854.81100	8819.53870	8360.07560	5976.50740	4556.36380	4630.88060	2097.44820
Int RSD	*1.09708124*	*0.29872322*	*0.86250525*	*0.60007146*	*1.14101523*	*3.83581473*	*5.97761079*
Int SD	*141.02772000*	*26.34601000*	*72.10609100*	*35.86331500*	*51.98880500*	*177.63200000*	*125.37729000*
RelInt Mean	0.00612877	0.00009974	-0.00005071	0.00000711	0.00001643	0.00026271	-0.00027269
RelInt RSD	*4.31947698*	*39.45128475*	*53.20186310*	*233.41749102*	*199.21881487*	*40.87301586*	*115.44126977*
RelInt SD	*0.00026473*	*0.00003935*	*0.00002698*	*0.00001660*	*0.00003273*	*0.00010738*	*0.00031480*
Conc Mean	0.14943992[mg/l]	<-0.00046000[mg/l]	<-0.00122860[mg/l]	<0.00222153[mg/l]	<0.00248318[mg/l]	0.00459861[mg/l]	<-0.00003367[mg/l]
Conc RSD	*7.99000160*	*77.00660171*	*68.69099369*	*39.65280264*	*91.78843269*	*44.63538552*	*887.56446967*
Conc SD	*0.01194025[mg/l]*	*0.00035423[mg/l]*	*0.00084393[mg/l]*	*0.00088090[mg/l]*	*0.00227927[mg/l]*	*0.00205261[mg/l]*	*0.00029884[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	73899.82200	4274.91880	14548.24300	1731982	34025053	312708	6133.01990
Int RSD	*6.28159172*	*1.39863375*	*0.56452773*	*0.13530633*	*0.63392715*	*0.25494242*	*0.50727841*
Int SD	*4642.08510*	*59.79045700*	*82.12886600*	*2343.48190*	*215694*	*797.22526000*	*31.11148600*
RelInt Mean	0.00032769	0.00001602	0.00002780	---	---	---	0.00027294
RelInt RSD	*42.48956967*	*161.19808840*	*17.17267444*	---	---	---	*7.45568359*
RelInt SD	*0.00013923*	*0.00002582*	*0.00000477*	---	---	---	*0.00002035*
Conc Mean	0.00322947[mg/l]	0.00630337[mg/l]	<0.00033763[mg/l]	1721997	33939780	310256	0.00042643[mg/l]
Conc RSD	*42.21514242*	*49.94486045*	*267.63580932*	---	---	---	*17.46000942*
Conc SD	*0.00136332[mg/l]*	*0.00314821[mg/l]*	*0.00090363[mg/l]*	*2334.86560*	*215603*	*880.39104000*	*0.00007446[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	329.19311000	8442.68230	10386.15700	4510.31990	8320.70600	5244.08560	
Int RSD	*20.53334288*	*1.16202014*	*0.40085694*	*1.51669393*	*0.30049647*	*1.26225007*	
Int SD	*67.59435000*	*98.10566900*	*41.63363100*	*68.40774800*	*25.00342800*	*66.19347400*	
RelInt Mean	-0.00021429	0.00103495	0.00127841	0.00015495	0.00007658	0.00006328	
RelInt RSD	*68.56870908*	*14.44769645*	*0.32468601*	*25.54197217*	*6.13810485*	*52.82815997*	
RelInt SD	*0.00014694*	*0.00014953*	*0.00000415*	*0.00003958*	*0.00000470*	*0.00003343*	
Conc Mean	<-0.00007547[mg/l]	<0.00700581[mg/l]	0.00276491[mg/l]	<-0.00192641[mg/l]	0.00008930[mg/l]	0.00941404[mg/l]	
Conc RSD	*746.53996292*	*21.79895284*	*2.71199042*	*73.62983511*	*23.68024926*	*30.11327012*	
Conc SD	*0.00056338[mg/l]*	*0.00152719[mg/l]*	*0.00007498[mg/l]*	*0.00141841[mg/l]*	*0.00002115[mg/l]*	*0.00283488[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 465035 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482261233101 File : met06_master Time : 30-JUN-2022 17:27
Cal : 482261233001 Caldate : 30-JUN-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0305	0.0329	1.000	1.030	mg/l	3	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	32899157	31377856	-4.62
Yttrium	A	1545938	1600437	3.53
Yttrium	R	312921	301413	-3.68

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S16870 | Sample Type: Control Sample

Measure Date: 2022-06-30 17:27:59 | Recalculation Date: | State: Check failed | Quality: Failed

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	406104	7465.17150	33102.19600	117215	500811	442495	279172
Int RSD	*0.63958313*	*0.65111702*	*0.77094088*	*0.06512120*	*0.39644046*	*0.31520813*	*0.29848803*
Int SD	*2597.37090*	*48.60700200*	*255.19836000*	*76.33173800*	*1985.41840*	*1394.77970*	*833.29356000*
RelInt Mean	0.01113076	0.01136239	0.01791352	0.06848371	0.30928842	1.47749140	0.17005479
RelInt RSD	*1.34868632*	*1.94182582*	*1.18036741*	*0.44843439*	*0.65354196*	*0.42102381*	*0.59988942*
RelInt SD	*0.00015012*	*0.00022064*	*0.00021145*	*0.00030710*	*0.00202133*	*0.00622059*	*0.00102014*
Conc Mean	0.51138930[mg/l]	1.06954690[mg/l]	1.08028000[mg/l]	1.05675390[mg/l]	0.98938147[mg/l]	97.48484500[mg/l]	1.00896190[mg/l]
Conc RSD	*1.35264123*	*2.00060100*	*1.17692358*	*0.45113897*	*0.65394306*	*0.42166707*	*0.60401661*
Conc SD	*0.00691726[mg/l]*	*0.02139737[mg/l]*	*0.01271407[mg/l]*	*0.00476743[mg/l]*	*0.00646999[mg/l]*	*0.41106149[mg/l]*	*0.00609430[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	203597	899154	409707	39984.56200	103917	1964110	217877
Int RSD	*0.16921238*	*1.17491642*	*0.31291735*	*1.18005974*	*0.16947940*	*0.37228257*	*0.46160803*
Int SD	*344.51181000*	*10564.30800*	*1282.04490*	*471.84172000*	*176.11784000*	*7312.03950*	*1005.73870*
RelInt Mean	0.12283290	0.02702497	0.25141416	0.13208853	0.33634328	1.22885670	0.13345080
RelInt RSD	*0.69313998*	*1.77239752*	*0.71193766*	*1.15311731*	*0.35571381*	*0.22874129*	*0.58213816*
RelInt SD	*0.00085140*	*0.00047899*	*0.00178991*	*0.00152314*	*0.00119642*	*0.00281090*	*0.00077687*
Conc Mean	0.96781827[mg/l]	0.94596990[mg/l]	0.99896261[mg/l]	108.75801000[mg/l]	104.36124000[mg/l]	0.96465305[mg/l]	1.03115850[mg/l]
Conc RSD	*0.69341797*	*1.78240037*	*0.71389138*	*1.15402130*	*0.35600641*	*0.22876757*	*0.58204390*
Conc SD	*0.00671103[mg/l]*	*0.01686097[mg/l]*	*0.00713151[mg/l]*	*1.25509060[mg/l]*	*0.37153270[mg/l]*	*0.00220681[mg/l]*	*0.00600180[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	679483	187761	61126.88300	37676.01600	27121.49100	424774	304406
Int RSD	*0.26012343*	*0.34438473*	*0.24836328*	*0.36298562*	*0.21411968*	*0.36938699*	*0.29554271*
Int SD	*1767.49560*	*646.62170000*	*151.81673000*	*136.75852000*	*58.07244900*	*1569.05930*	*899.64849000*
RelInt Mean	2.23269740	0.11232409	0.03289732	0.01976208	0.01406809	0.26427537	1.01072820
RelInt RSD	*0.27430176*	*0.64708022*	*0.82675550*	*0.25943623*	*0.70826054*	*0.47688076*	*0.35499117*
RelInt SD	*0.00612433*	*0.00072683*	*0.00027198*	*0.00005127*	*0.00009964*	*0.00126028*	*0.00358800*
Conc Mean	100.57523000[mg/l]	1.00981880[mg/l]	1.02992990[mg/l]	1.04564200[mg/l]	0.98109069[mg/l]	5.05134750[mg/l]	0.95970215[mg/l]
Conc RSD	*0.27464536*	*0.64794886*	*0.82693204*	*0.25990463*	*0.70729551*	*0.47692049*	*0.35490511*
Conc SD	*0.27622520[mg/l]*	*0.00654311[mg/l]*	*0.00851682[mg/l]*	*0.00271767[mg/l]*	*0.00693921[mg/l]*	*0.02409091[mg/l]*	*0.00340603[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3347512	16980.02000	185381	1600437	31377856	301413	468053
Int RSD	*1.25410253*	*0.24985112*	*1.08833009*	*0.49106864*	*0.71385773*	*0.26297656*	*0.17873835*
Int SD	*41981.22900*	*42.42477000*	*2017.55830*	*7859.24420*	*223993*	*792.64542000*	*836.59105000*
RelInt Mean	0.10482877	0.00778226	0.00546929	---	---	---	0.29052395
RelInt RSD	*1.75840468*	*0.38819908*	*1.84406460*	---	---	---	*0.47050679*
RelInt SD	*0.00184331*	*0.00003021*	*0.00010086*	---	---	---	*0.00136693*
Conc Mean	1.02645930[mg/l]	0.94939601[mg/l]	1.02943950[mg/l]	1590287	31291698	299066	1.06170110[mg/l]
Conc RSD	*1.75836792*	*0.39047163*	*1.85381948*	---	---	---	*0.47068120*
Conc SD	*0.01804893[mg/l]*	*0.00370712[mg/l]*	*0.01908395[mg/l]*	*7863.13340*	*224090*	*802.47086000*	*0.00499723[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	77055.78400	36644.61600	476574	258510	406898	6131.69330	
Int RSD	*0.44416070*	*1.00186101*	*0.36938707*	*0.22300553*	*0.13067483*	*1.07577616*	
Int SD	*342.25151000*	*367.12812000*	*1760.40110*	*576.49255000*	*531.71283000*	*65.96329500*	
RelInt Mean	0.25633307	0.09588934	0.29402801	0.15954497	0.25021885	0.00042360	
RelInt RSD	*0.62940654*	*1.19650588*	*0.64058557*	*0.54094281*	*0.58291971*	*11.17805087*	
RelInt SD	*0.00161338*	*0.00114732*	*0.00188350*	*0.00086305*	*0.00145858*	*0.00004735*	
Conc Mean	0.98355700[mg/l]	0.97580155[mg/l]	5.35298210[mg/l]	5.71043950[mg/l]	1.00696070[mg/l]	0.03996726[mg/l]	
Conc RSD	*0.62892817*	*1.20087665*	*0.64337942*	*0.54165307*	*0.58151554*	*10.04595512*	
Conc SD	*0.00618587[mg/l]*	*0.01171817[mg/l]*	*0.03443998[mg/l]*	*0.03093077[mg/l]*	*0.00585563[mg/l]*	*0.00401509[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 465035 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482261233102 File : met06_master Time : 30-JUN-2022 17:31
Cal : 482261233001 Caldate : 30-JUN-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	32899157	35786602	8.78
Yttrium	A	1545938	1805042	16.76
Yttrium	R	312921	322322	3.00

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2022-06-30 17:31:13	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	59324.37700	2503.85080	4182.25370	8948.87530	8595.66840	1453.93180	8158.07790
Int RSD	*0.56108564*	*3.29905440*	*0.70356179*	*0.63392855*	*0.56196728*	*6.24467310*	*0.62603753*
Int SD	*332.86056000*	*82.60340000*	*29.42473900*	*56.72947500*	*48.30484400*	*90.79328800*	*51.07262900*
RelInt Mean	0.00003970	0.00083155	-0.00002811	0.00066988	0.00011487	0.00329352	0.00002976
RelInt RSD	*15.49960100*	*18.59921617*	*94.33001687*	*2.38165419*	*16.98901810*	*15.08866007*	*70.81072907*
RelInt SD	*0.00000615*	*0.00015466*	*0.00002652*	*0.00001595*	*0.00001951*	*0.00049695*	*0.00002108*
Conc Mean	<0.00033048[mg/l]	0.04827342[mg/l]	<0.00195338[mg/l]	0.00402747[mg/l]	<0.00024225[mg/l]	0.06856853[mg/l]	<0.00005726[mg/l]
Conc RSD	*85.78914094*	*31.07101603*	*81.63979329*	*6.14947778*	*25.76718664*	*47.89184351*	*218.82294635*
Conc SD	*0.00028351[mg/l]*	*0.01499904[mg/l]*	*0.00159473[mg/l]*	*0.00024767[mg/l]*	*0.00006242[mg/l]*	*0.03283874[mg/l]*	*0.00012529[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7530.51090	57674.99600	9835.56380	606.73754000	2997.20790	9433.48350	5351.06300
Int RSD	*0.36575318*	*0.73410299*	*0.42492064*	*19.21165781*	*3.36754985*	*1.43264744*	*0.38788570*
Int SD	*27.54308300*	*423.39387000*	*41.79334100*	*116.56434000*	*100.93247000*	*135.14856000*	*20.75600800*
RelInt Mean	0.00005456	0.00016963	0.00030324	0.00034340	-0.00031818	0.00025639	0.00007932
RelInt RSD	*47.85736115*	*2.15996971*	*9.46323141*	*19.24101551*	*101.79067049*	*26.85400689*	*13.34308529*
RelInt SD	*0.00002611*	*0.00000366*	*0.00002870*	*0.00006607*	*0.00032388*	*0.00006885*	*0.00001058*
Conc Mean	<0.00004293[mg/l]	<0.00063241[mg/l]	<-0.00153366[mg/l]	<0.19745438[mg/l]	<-0.18426731[mg/l]	0.00009880[mg/l]	0.00077947[mg/l]
Conc RSD	*479.42834779*	*20.39481493*	*7.45506487*	*27.57387909*	*54.58133079*	*54.70897935*	*10.49006135*
Conc SD	*0.00020580[mg/l]*	*0.00012898[mg/l]*	*0.00011434[mg/l]*	*0.05444583[mg/l]*	*0.10057555[mg/l]*	*0.00005405[mg/l]*	*0.00008177[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	12965.26700	8741.98400	8284.22440	5857.96980	4436.14110	4180.20050	2120.71010
Int RSD	*0.98328172*	*0.34804388*	*0.26136652*	*1.01838437*	*0.60694774*	*0.51361895*	*5.33883108*
Int SD	*127.48510000*	*30.42594000*	*21.65218900*	*59.65664900*	*26.92505800*	*21.47030200*	*113.22113000*
RelInt Mean	0.00628763	0.00012728	-0.00002667	-0.00002329	-0.00000023	0.00002231	-0.00013907
RelInt RSD	*7.45742302*	*11.43415649*	*62.07027234*	*148.28545500*	*5072.51272*	*80.53728017*	*302.30679766*
RelInt SD	*0.00046890*	*0.00001455*	*0.00001655*	*0.00003454*	*0.00001180*	*0.00001797*	*0.00042041*
Conc Mean	0.15660512[mg/l]	<-0.00021213[mg/l]	<-0.00047780[mg/l]	<0.00060675[mg/l]	<0.00132287[mg/l]	<0.00000315[mg/l]	<0.00009318[mg/l]
Conc RSD	*13.50451313*	*61.76016018*	*107.83640471*	*302.09659085*	*62.13005668*	*10918.83793*	*428.28945406*
Conc SD	*0.02114876[mg/l]*	*0.00013101[mg/l]*	*0.00051524[mg/l]*	*0.00183296[mg/l]*	*0.00082190[mg/l]*	*0.00034345[mg/l]*	*0.00039909[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	62547.03400	4133.33410	14410.79100	1805042	35786602	322322	7392.92630
Int RSD	*0.76101818*	*0.38777269*	*0.85878096*	*0.36377219*	*0.20124544*	*0.70171493*	*2.42986096*
Int SD	*475.99430000*	*16.02794100*	*123.75713000*	*6566.24160*	*72018.90500*	*2261.78390*	*179.63783000*
RelInt Mean	0.00000690	-0.00000007	0.00002810	---	---	---	0.00099968
RelInt RSD	*33.12772573*	*7601.73745*	*17.23510804*	---	---	---	*8.86146488*
RelInt SD	*0.00000229*	*0.00000522*	*0.00000484*	---	---	---	*0.00008859*
Conc Mean	<0.00008844[mg/l]	0.00435142[mg/l]	<0.00039361[mg/l]	1795210	35700691	319824	0.00308491[mg/l]
Conc RSD	*25.31496833*	*14.63970912*	*232.75895815*	---	---	---	*10.50151914*
Conc SD	*0.00002239[mg/l]*	*0.00063704[mg/l]*	*0.00091616[mg/l]*	*6548.74920*	*72181.71800*	*2218.87320*	*0.00032396[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	288.03432000	8295.00230	11811.67000	4438.65550	8268.21620	5202.17340	
Int RSD	*8.44824707*	*2.74035536*	*1.16725865*	*3.29713559*	*0.64083916*	*1.41096062*	
Int SD	*24.33385100*	*227.31254000*	*137.87274000*	*146.34849000*	*52.98596700*	*73.40061800*	
RelInt Mean	-0.00032742	0.00035264	0.00204057	0.00015343	0.00010016	0.00006174	
RelInt RSD	*28.15963962*	*137.29768717*	*5.31863995*	*63.99223968*	*28.52812464*	*62.19679098*	
RelInt SD	*0.00009220*	*0.00048416*	*0.00010853*	*0.00009819*	*0.00002857*	*0.00003840*	
Conc Mean	<-0.00050922[mg/l]	<0.00003696[mg/l]	0.01679570[mg/l]	<-0.00198076[mg/l]	0.00018455[mg/l]	<0.00928283[mg/l]	
Conc RSD	*69.42213562*	*13380.58010*	*11.86089941*	*177.65324302*	*59.52783139*	*35.07558208*	
Conc SD	*0.00035351[mg/l]*	*0.00494497[mg/l]*	*0.00199212[mg/l]*	*0.00351888[mg/l]*	*0.00010986[mg/l]*	*0.00325601[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 465035 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482261233113 File : met06_master Time : 30-JUN-2022 18:06
Cal : 482261233001 Caldate : 30-JUN-2022
Standards: S16870, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0305	0.0329	1.000	1.031	mg/l	3	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	32899157	30980694	-5.83
Yttrium	A	1545938	1579353	2.16
Yttrium	R	312921	300008	-4.13

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S16870	Sample Type: Control Sample		
Measure Date: 2022-06-30 18:06:55	Recalculation Date:	State: Check failed	Quality: Failed

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	402906	7310.51460	32824.49500	116636	494138	439301	275314
Int RSD	*1.02961849*	*3.93086295*	*1.04026502*	*0.21058787*	*0.35419771*	*0.29117250*	*0.17762097*
Int SD	*4148.39520*	*287.36631000*	*341.46174000*	*245.62163000*	*1750.22660*	*1279.12390*	*489.01626000*
RelInt Mean	0.01117711	0.01126144	0.01799799	0.06910080	0.30923883	1.47369800	0.16993915
RelInt RSD	*1.58078890*	*6.21376726*	*1.12088726*	*0.37063003*	*0.35048015*	*0.43764241*	*0.22367526*
RelInt SD	*0.00017669*	*0.00069976*	*0.00020174*	*0.00025611*	*0.00108382*	*0.00644953*	*0.00038011*
Conc Mean	0.51352517[mg/l]	1.05975670[mg/l]	1.08536180[mg/l]	1.06633340[mg/l]	0.98923358[mg/l]	97.23417000[mg/l]	1.00826220[mg/l]
Conc RSD	*1.58540453*	*6.40356716*	*1.11781546*	*0.37284754*	*0.35172072*	*0.43831563*	*0.22119996*
Conc SD	*0.00814145[mg/l]*	*0.06786223[mg/l]*	*0.01213234[mg/l]*	*0.00397580[mg/l]*	*0.00347934[mg/l]*	*0.42619256[mg/l]*	*0.00223028[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	200562	894341	403126	39881.93100	103619	1944518	214367
Int RSD	*0.23796583*	*1.25689272*	*0.22149393*	*0.34504628*	*0.51534577*	*0.27593456*	*0.10696613*
Int SD	*477.26910000*	*11240.90100*	*892.89908000*	*137.61112000*	*533.99866000*	*5365.59670*	*229.30021000*
RelInt Mean	0.12267544	0.02723520	0.25065446	0.13253145	0.33717665	1.23288830	0.13304984
RelInt RSD	*0.32795551*	*1.71807259*	*0.30660951*	*0.47994408*	*0.34880084*	*0.22759053*	*0.09259988*
RelInt SD	*0.00040232*	*0.00046792*	*0.00076853*	*0.00063608*	*0.00117608*	*0.00280594*	*0.00012320*
Conc Mean	0.96657717[mg/l]	0.95337009[mg/l]	0.99593576[mg/l]	109.12298000[mg/l]	104.62003000[mg/l]	0.96781820[mg/l]	1.02806080[mg/l]
Conc RSD	*0.32808635*	*1.72769423*	*0.30745413*	*0.48031662*	*0.34908428*	*0.22761233*	*0.09258309*
Conc SD	*0.00317121[mg/l]*	*0.01647132[mg/l]*	*0.00306205[mg/l]*	*0.52413581[mg/l]*	*0.36521208[mg/l]*	*0.00220287[mg/l]*	*0.00095181[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	677360	185319	60412.40700	37500.67100	26801.04600	419201	303800
Int RSD	*0.92206888*	*0.19650980*	*0.14874095*	*0.72074870*	*0.14755601*	*0.24645295*	*0.57950276*
Int SD	*6245.72510*	*364.17006000*	*89.85798700*	*270.28560000*	*39.54655400*	*1033.13420*	*1760.52990*
RelInt Mean	2.23664500	0.11229187	0.03293341	0.01993974	0.01409984	0.26429665	1.01330580
RelInt RSD	*0.21502498*	*0.29800494*	*0.09047904*	*0.70169480*	*0.30197555*	*0.34601831*	*0.20844293*
RelInt SD	*0.00480935*	*0.00033464*	*0.00002980*	*0.00013992*	*0.00004258*	*0.00091451*	*0.00211216*
Conc Mean	100.75328000[mg/l]	1.00952860[mg/l]	1.03106160[mg/l]	1.05508430[mg/l]	0.98330209[mg/l]	5.05175440[mg/l]	0.96214910[mg/l]
Conc RSD	*0.21529566*	*0.29840644*	*0.08952982*	*0.70531974*	*0.30156568*	*0.34604649*	*0.20839525*
Conc SD	*0.21691744[mg/l]*	*0.00301250[mg/l]*	*0.00092311[mg/l]*	*0.00744172[mg/l]*	*0.00296530[mg/l]*	*0.01748142[mg/l]*	*0.00200507[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3328024	16881.39100	183874	1579353	30980694	300008	460161
Int RSD	*1.24421132*	*0.35731500*	*1.35578655*	*0.18694493*	*0.49405859*	*0.75332639*	*0.27286121*
Int SD	*41407.64900*	*60.31974200*	*2492.93570*	*2952.52070*	*153063*	*2260.03710*	*1255.60080*
RelInt Mean	0.10555818	0.00786193	0.00548835	---	---	---	0.28941321
RelInt RSD	*1.66380929*	*0.65472700*	*1.80645157*	---	---	---	*0.26838661*
RelInt SD	*0.00175629*	*0.00005147*	*0.00009914*	---	---	---	*0.00077675*
Conc Mean	1.03360140[mg/l]	0.95911505[mg/l]	1.03304560[mg/l]	1569303	30895986	297732	1.05763850[mg/l]
Conc RSD	*1.66377416*	*0.65083917*	*1.81573698*	---	---	---	*0.26852836*
Conc SD	*0.01719679[mg/l]*	*0.00624230[mg/l]*	*0.01875739[mg/l]*	*2948.60480*	*152628*	*2174.00880*	*0.00284006[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	76044.22400	36114.31700	469936	255373	401483	5813.62440	
Int RSD	*0.59716478*	*0.61431083*	*0.13485525*	*0.29873932*	*0.37081811*	*0.43541160*	
Int SD	*454.10932000*	*221.85416000*	*633.73313000*	*762.90053000*	*1488.77230*	*25.31319500*	
RelInt Mean	0.25423955	0.09507391	0.29380018	0.15969276	0.25019521	0.00025363	
RelInt RSD	*0.11775693*	*0.33380241*	*0.27635747*	*0.35416927*	*0.42204897*	*11.03916219*	
RelInt SD	*0.00029938*	*0.00031736*	*0.00081194*	*0.00056558*	*0.00105595*	*0.00002800*	
Conc Mean	0.97553021[mg/l]	0.96747313[mg/l]	5.34887010[mg/l]	5.71573610[mg/l]	1.00684670[mg/l]	0.02555434[mg/l]	
Conc RSD	*0.11766577*	*0.33503253*	*0.27822831*	*0.35463436*	*0.41969317*	*9.29055380*	
Conc SD	*0.00114787[mg/l]*	*0.00324135[mg/l]*	*0.01488207[mg/l]*	*0.02026996[mg/l]*	*0.00422567[mg/l]*	*0.00237414[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 465035 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482261233114 File : met06_master Time : 30-JUN-2022 18:10
Cal : 482261233001 Caldate : 30-JUN-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	32899157	35422694	7.67
Yttrium	A	1545938	1795826	16.16
Yttrium	R	312921	322789	3.15

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2022-06-30 18:10:10	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	58868.22100	2439.88550	4136.18160	8730.40880	8493.91720	1390.81450	8000.77800
Int RSD	*0.39005964*	*2.73320371*	*0.74863106*	*0.65712523*	*0.22325028*	*0.39475600*	*0.39860641*
Int SD	*229.62117000*	*66.68704100*	*30.96474000*	*57.36971900*	*18.96269400*	*5.49032370*	*31.89161400*
RelInt Mean	0.00004468	0.00062372	-0.00001224	0.00060805	0.00011681	0.00321730	0.00000411
RelInt RSD	*5.57609908*	*29.55635779*	*84.66885036*	*5.72855289*	*8.42272949*	*3.15397872*	*548.61260841*
RelInt SD	*0.00000249*	*0.00018435*	*0.00001036*	*0.00003483*	*0.00000984*	*0.00010147*	*0.00002254*
Conc Mean	<0.00056012[mg/l]	<0.02811832[mg/l]	0.00290810[mg/l]	0.00306771[mg/l]	<0.00024978[mg/l]	0.06353190[mg/l]	<-0.00009518[mg/l]
Conc RSD	*20.49570444*	*63.58183399*	*21.43400404*	*17.62655846*	*12.60333264*	*10.55441184*	*140.76279139*
Conc SD	*0.00011480[mg/l]*	*0.01787814[mg/l]*	*0.00062332[mg/l]*	*0.00054073[mg/l]*	*0.00003148[mg/l]*	*0.00670542[mg/l]*	*0.00013398[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	7427.97600	56788.84600	9534.39720	586.29443000	2999.98520	9297.96750	5202.72730
Int RSD	*0.53152761*	*0.39645525*	*0.51911289*	*4.38118165*	*4.29128317*	*1.63363617*	*0.69714776*
Int SD	*39.48174300*	*225.14236000*	*49.49428500*	*25.68662400*	*128.73786000*	*151.89496000*	*36.27069700*
RelInt Mean	0.00006003	0.00016263	0.00021445	0.00040169	-0.00009199	0.00022596	0.00003360
RelInt RSD	*44.68464431*	*8.09093405*	*11.18084951*	*31.84281656*	*313.99484102*	*36.04943534*	*37.93756420*
RelInt SD	*0.00002682*	*0.00001316*	*0.00002398*	*0.00012791*	*0.00028883*	*0.00008146*	*0.00001275*
Conc Mean	<0.00008606[mg/l]	<0.00038597[mg/l]	<-0.00188745[mg/l]	<0.24548629[mg/l]	<-0.11402625[mg/l]	<0.00007491[mg/l]	<0.00042622[mg/l]
Conc RSD	*245.67766466*	*120.00760522*	*5.06134378*	*42.93500464*	*78.66017693*	*85.36971765*	*23.10256909*
Conc SD	*0.00021143[mg/l]*	*0.00046320[mg/l]*	*0.00009553[mg/l]*	*0.10539955[mg/l]*	*0.08969325[mg/l]*	*0.00006395[mg/l]*	*0.00009847[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	12946.75500	8624.23960	8213.78850	5777.96440	4403.74730	4087.93460	2045.34710
Int RSD	*1.05517452*	*0.22994388*	*0.45766646*	*0.46791083*	*0.79377422*	*1.18628745*	*0.68343691*
Int SD	*136.61086000*	*19.83091100*	*37.59175500*	*27.03572100*	*34.95581100*	*48.49465500*	*13.97865700*
RelInt Mean	0.00642361	0.00010888	-0.00002237	-0.00003336	0.00000253	0.00000349	-0.00035480
RelInt RSD	*1.17237154*	*2.67431698*	*37.30438095*	*56.62716686*	*803.00386666*	*531.00092129*	*68.80833024*
RelInt SD	*0.00007531*	*0.00000291*	*0.00000835*	*0.00001889*	*0.00002032*	*0.00001855*	*0.00024413*
Conc Mean	0.16273823[mg/l]	<-0.00037774[mg/l]	<-0.00033924[mg/l]	<0.00007197[mg/l]	<0.00151533[mg/l]	<-0.00035654[mg/l]	<-0.00011161[mg/l]
Conc RSD	*2.08719875*	*6.93945591*	*75.97442985*	*1393.32859*	*93.40362014*	*99.43437530*	*207.63986280*
Conc SD	*0.00339667[mg/l]*	*0.00002621[mg/l]*	*0.00025774[mg/l]*	*0.00100273[mg/l]*	*0.00141538[mg/l]*	*0.00035452[mg/l]*	*0.00023175[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	61724.40800	4060.57670	14074.14700	1795826	35422694	322789	6415.54430
Int RSD	*0.33044254*	*0.17773820*	*0.93172368*	*0.20394053*	*1.43957458*	*0.15825155*	*0.29332161*
Int SD	*203.96370000*	*7.21719580*	*131.13216000*	*3662.41620*	*509936*	*510.81917000*	*18.81817800*
RelInt Mean	0.00000325	-0.00000329	0.00002063	---	---	---	0.00049297
RelInt RSD	*130.89297776*	*77.03300918*	*20.97767544*	---	---	---	*0.97633697*
RelInt SD	*0.00000426*	*0.00000253*	*0.00000433*	---	---	---	*0.00000481*
Conc Mean	<0.00005271[mg/l]	0.00395954[mg/l]	<-0.00101876[mg/l]	1786108	35337374	320324	0.00123130[mg/l]
Conc RSD	*79.09958809*	*7.80274512*	*80.37164043*	---	---	---	*1.43509904*
Conc SD	*0.00004170[mg/l]*	*0.00030895[mg/l]*	*0.00081879[mg/l]*	*3672.47150*	*509287*	*479.58835000*	*0.00001767[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	316.87274000	8295.19690	11844.05200	4395.31720	8153.87260	5061.60410	
Int RSD	*18.66378913*	*0.89109460*	*1.34191846*	*2.25456850*	*1.03752622*	*1.03091131*	
Int SD	*59.14046000*	*73.91805200*	*158.93752000*	*99.09543700*	*84.59856600*	*52.18064900*	
RelInt Mean	-0.00020061	0.00064307	0.00212975	0.00015014	0.00008026	0.00001354	
RelInt RSD	*150.31979215*	*62.38418518*	*4.26573869*	*42.58293387*	*73.79329143*	*171.55010371*	
RelInt SD	*0.00030156*	*0.00040117*	*0.00009085*	*0.00006394*	*0.00005923*	*0.00002322*	
Conc Mean	<-0.00002300[mg/l]	<0.00300331[mg/l]	0.01844040[mg/l]	<-0.00209868[mg/l]	<0.00010065[mg/l]	<0.00519559[mg/l]	
Conc RSD	*5027.39122*	*136.42913378*	*9.03123370*	*109.18230419*	*237.41362943*	*37.89759309*	
Conc SD	*0.00115620[mg/l]*	*0.00409739[mg/l]*	*0.00166540[mg/l]*	*0.00229139[mg/l]*	*0.00023897[mg/l]*	*0.00196901[mg/l]*	

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

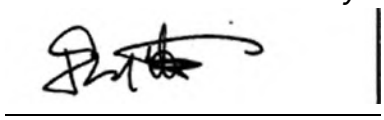
Lab Job Number: 466145
Report Level: II
Report Date: 01/21/2023

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	466145
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	07/22/22

Sample ID	Lab ID	Collected	Matrix
ARCH-C1W-EXT-2 TO 3-220721-P-WF	466145-001	07/21/22 09:48	Wipe
ARCH-C1W-EXT-2 TO 3-220721-L-WF	466145-002	07/21/22 09:48	Wipe
ARCH-C1W-EXT-2 TO 3-220721-L-DUP-WF	466145-003	07/21/22 09:48	Wipe
DOOR-N-0.1GW-DG-10 TO 23-220721-P-LA	466145-004	07/21/22 12:43	Wipe
DOOR-N-0.1GW-DG-10 TO 23-220721-L-LA	466145-005	07/21/22 12:43	Wipe
DOOR-N-0.4GW-DG-10 TO 24-220721-P-G	466145-006	07/21/22 10:08	Wipe
DOOR-N-0.4GW-DG-10 TO 24-220721-L-G	466145-007	07/21/22 10:08	Wipe
DOOR-N-0.5GW-EXT-9 TO 10-220721-P-CB	466145-008	07/21/22 10:52	Wipe
DOOR-N-0.5GW-EXT-9 TO 10-220721-L-CB	466145-009	07/21/22 10:52	Wipe
DOOR-N-0.8GW-DG-10 TO 24-220721-P-G	466145-010	07/21/22 10:26	Wipe
DOOR-N-0.8GW-DG-10 TO 24-220721-L-G	466145-011	07/21/22 10:26	Wipe
DOOR-N-0.9GE-INT-23 TO 24-220721-P-CB	466145-012	07/21/22 10:38	Wipe
DOOR-N-0.9GE-INT-23 TO 24-220721-L-CB	466145-013	07/21/22 10:38	Wipe
DOOR-N-0.8GE-DG-10 TO 24-220721-P-G	466145-014	07/21/22 10:15	Wipe

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	466145
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	07/22/22

Sample ID	Lab ID	Collected	Matrix
DOOR-N-0.8GE-DG-10 TO 24-220721-L-G	466145-015	07/21/22 10:15	Wipe
DOOR-N-0.5GE-EXT-9 TO 10-220721-P-CB	466145-016	07/21/22 10:52	Wipe
DOOR-N-0.5GE-EXT-9 TO 10-220721-L-CB	466145-017	07/21/22 10:52	Wipe
DOOR-N-0.4GE-DG-10 TO 24-220721-P-LA	466145-018	07/21/22 09:53	Wipe
DOOR-N-0.4GE-DG-10 TO 24-220721-P-DUP-LA	466145-019	07/21/22 09:53	Wipe
DOOR-N-0.4GE-DG-10 TO 24-220721-L-LA	466145-020	07/21/22 09:53	Wipe
DOOR-N-0.1GE-PS-23-220721-P-LA	466145-021	07/21/22 13:03	Wipe
DOOR-N-0.1GE-PS-23-220721-L-LA	466145-022	07/21/22 13:03	Wipe
ARCH-C1E-EXT-3 TO 4-220721-P-WF	466145-023	07/21/22 13:40	Wipe
ARCH-C1E-EXT-3 TO 4-220721-L-WF	466145-024	07/21/22 13:40	Wipe
220721-P-MEDBLANK	466145-025	07/21/22 10:03	Wipe
220721-L-MEDBLANK	466145-026	07/21/22 10:03	Wipe
DOOR-N-0.7GE-PS-23-220721-P-LA	466145-027	07/21/22 14:31	Wipe
DOOR-N-0.7GE-PS-23-220721-L-LA	466145-028	07/21/22 14:31	Wipe

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 466145 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 07/22/22

This data package contains sample and QC results for twenty eight wipe samples, requested for the above referenced project on 07/23/22. The samples were received cold and intact. Reissued on 1/21/23 to revise the PCB extraction method.

PCBs (EPA 8082):

- High surrogate recoveries were observed for decachlorobiphenyl (PCB) in a number of samples; no target analytes were detected in these samples so reanalysis was not required.
- High surrogate recovery was observed for TCMX (PCB) in ARCH-C1E-EXT-3 TO 4-220721-P-WF (lab # 466145-023); no target analytes were detected in the sample so reanalysis was not required.
- No other analytical problems were encountered.

Metals (EPA 6010B):

No analytical problems were encountered.

466145

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Chain of Custody Record

COC ID:

Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	Tyler Sinnott and Michaela Kim

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B							HOLD	Test Instructions / Comments
1	ARCH-C1W-EXT-2 TO 3-220721-P- WF	7/21/2022	0948	WP	1		X									—
2	ARCH-C1W-EXT-2 TO 3-220721-L- WF	7/21/2022	0948	WP	1			X								—
3	ARCH-C1W-EXT-2 TO 3-220721-L-DUP- WF	7/21/2022	0948	WP	1			X								—
4	DOOR-N-0.1GW-DG-10 TO 23-220721-P- LA	7/21/2022	1243	WP	1		X									—
5	DOOR-N-0.1GW-DG-10 TO 23-220721-L- LA	7/21/2022	1243	WP	1			X								2x Rivet Type 1 = 0.0276 ft² added area
6	DOOR-N-0.4GW-DG-10 TO 24-220721-P- LA TS GA	7/21/2022	1008 1245	WP	1		X									—
7	DOOR-N-0.4GW-DG-10 TO 24-220721-L- GA	7/21/2022	1008	WP	1			X								6x Rivet Type 2 = 0.0600 ft² added area
8	DOOR-N-0.5GW-EXT-9 TO 10-220721-P- CB	7/21/2022	1052	WP	1		X									—
9	DOOR-N-0.5GW-EXT-9 TO 10-220721-L- CB	7/21/2022	1052	WP	1			X								—
10	DOOR-N-0.8GW-DG-10 TO 24-220721-P- GA	7/21/2022	1026	WP	1		X									—
11	DOOR-N-0.8GW-DG-10 TO 24-220721-L- GA	7/21/2022	1026	WP	1			X								6x Rivet Type 2 = 0.0600 ft² added area
12	DOOR-N-0.9GE-INT-23 TO 24-220721-P- CB	7/21/2022	1038	WP	1		X									—
13	DOOR-N-0.9GE-INT-23 TO 24-220721-L- CB	7/21/2022	1038	WP	1			X								—
14	DOOR-N-0.8GE-DG-10 TO 24-220721-P- GA	7/21/2022	1015	WP	1		X									—
15	DOOR-N-0.8GE-DG-10 TO 24-220721-L- GA	7/21/2022	1015	WP	1			X								6x Rivet Type 2 = 0.060 ft² added area

Analysis Request

Confirmation Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure D

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Donald Welsh	Rincon Consultants	7/22/22 1430
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY "	7/22/22 1430
2 Relinquished By:	Audrey Hudson		"	7/22/22 1612
2 Received By:		Management Corp	BA	7/22/22 1612
3 Relinquished By:		Lisa Fong	EA	7/22/22 1733
3 Received By:		George Sylvestri	EA.	7/23/22 08:33

466145

ENTHALPY ANALYTICAL

Chain of Custody Record — COC ID:

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	Tyler Sinnott and Michaela Kim

Test Instructions / Comments

Confirmation Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure D

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	
16	DOOR-N-0.5GE-EXT-9 TO 10-220721-P- CB	7/21/2022	1052	WP	1		X			
17	DOOR-N-0.5GE-EXT-9 TO 10-220721-L- CB	7/21/2022	1052	WP	1			X		
18	DOOR-N-0.4GE-DG-10 TO 24-220721-P- LA	7/21/2022	0953	WP	1		X			
19	DOOR-N-0.4GE-DG-10 TO 24-220721-P-DUP- LA	7/21/2022	0953	WP	1		X			
20	DOOR-N-0.4GE-DG-10 TO 24-220721-L- LA	7/21/2022	0953	WP	1			X		2x Rivet Type 1 = 0.0276 ft² added area
21	DOOR-N-0.1GE-PS-23-220721-P- LA	7/21/2022	1303	WP	1		X			2x ~~Rivet Type 1 = TS~~
22	DOOR-N-0.1GE-PS-23-220721-L- LA	7/21/2022	1303	WP	1			X		2x Rivet Type 1 = 0.0276 ft² added area
23	ARCH-C1E-EXT-2 TO 3-220721-P- WF	7/21/2022	1340	WP	1		X			
24	ARCH-C1E-EXT-2 TO 3-220721-L- WF	7/21/2022	1340	WP	1			X		
25	220721-P-MEDBLANK	7/21/2022	1003	WP	1		X			
26	220721-L-MEDBLANK	7/21/2022	1003	WP	1			X		
27	~~DOOR-N-0.3GE-PS-23-220721-P-G~~		1407							TS
28	~~DOOR-N-0.3GE-PS-23-220721-L-G~~		1407							6x TS
29	DOOR-N-0.7GE-PS-23-220721-P-LA	7/21/22	1431	WP	1		X			
30	DOOR-N-0.7GE-PS-23-220721-L-LA	7/21/22	1431	WP	1			X		2x Rivet Type 1 = 0.0276 ft² added area

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Donald Welsh	Rincon Consultants	7/22/22 14:30
[1] Received By:	Lindsay Hudson	AUDREY HUDSON	ENTHALPY	7/22/22 14:30
[2] Relinquished By:	Audrey Hudson		" "	7/22/22 16:12
[2] Received By:		Marcel Hill Jr	BK	7/22/22 16:12
[3] Relinquished By:		Lisa Perez	IEA	7/22/22 17:33
[3] Received By:	Vanessa Sylvestri	Geena Sylvestri	E.A.	7/23/22 08:33

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 46145 Client: Rincon

Date Received: 7/22/22 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☒ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☒ No ☐ N/A

Samples received in a cooler? ☒ Yes, how many? 1 ☐ No (**skip Section 3 below**)

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☐ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 7/22/22 By (print) UER (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☒ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☐ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☒ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: 1.5, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer?			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? By Date:			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 7/22/22 **By (print)** MMP **(sign)** _____

Date Labeled 7/22/22 **By (print)** UER **(sign)** _____

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 - NCTRA WP

Date Received: 7/23/22 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.8 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☑ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.0 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Elena Sylvestrini Date: 7/23/22

3

3.8/1.0

STD PPD 22JUL22 06:40P

Schd: GLI

Pcs: 2 of 4 LOS ANGELES, CA

From: ENTHALPY ANALYTICAL
000-000-0000

RECV: ENTHALPY ANALYTICAL
931 W. BARKLEY AVE
ORANGE, CA 92868
Phone: 925-487-8029

LOS ANGELES

Manual Wght:
143.4
Tariff Wght:
146.0

PO/Ref #:

Standard

Agency Phone: (213)629-8420

WWW.SHIPGREYHOUND.COM

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466145 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C1W-EXT-2 TO 3-220721-P-WF **Batch#:** 293750 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 8082

Lab ID: 466145-001 **Received:** 07/22/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/26/22

DiIn Fac: 1.000 **Analyzed:** 07/29/22

466145-001 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466145-001 Surrogate	%REC	Limits
TCMX (PCB)	161	52-186
Decachlorobiphenyl (PCB)	138	50-150

Field ID: DOOR-N-0.1GW-DG-10 TO 23-220721-P-LA **Batch#:** 293750 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 8082

Lab ID: 466145-004 **Received:** 07/22/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/26/22

DiIn Fac: 1.000 **Analyzed:** 07/29/22

466145-004 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466145-004 Surrogate	%REC	Limits
TCMX (PCB)	171	52-186
Decachlorobiphenyl (PCB)	129	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466145 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.4GW-DG-10 TO 24-220721-P-G **Batch#:** 293750 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 8082

Lab ID: 466145-006 **Received:** 07/22/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/26/22

Diln Fac: 1.000 **Analyzed:** 07/29/22

466145-006 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466145-006 Surrogate	%REC	Limits
TCMX (PCB)	182	52-186
Decachlorobiphenyl (PCB)	139	50-150

Field ID: DOOR-N-0.5GW-EXT-9 TO 10-220721-P-CB **Batch#:** 293750 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 8082

Lab ID: 466145-008 **Received:** 07/22/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 07/26/22

Diln Fac: 1.000 **Analyzed:** 07/30/22

466145-008 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466145-008 Surrogate	%REC	Limits
TCMX (PCB)	157	52-186
Decachlorobiphenyl (PCB)	157 *	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466145 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.8GW-DG-10 TO 24-220721-P-G **Batch#:** 293750 **Prep:** EPA 3572M
Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 8082
Lab ID: 466145-010 **Received:** 07/22/22 **Analyst:** TRN
Matrix: Wipe **Prepared:** 07/26/22
Diln Fac: 1.000 **Analyzed:** 07/29/22

466145-010 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466145-010 Surrogate	%REC	Limits
TCMX (PCB)	175	52-186
Decachlorobiphenyl (PCB)	133	50-150

Field ID: DOOR-N-0.9GE-INT-23 TO 24-220721-P-CB **Batch#:** 293750 **Prep:** EPA 3572M
Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 8082
Lab ID: 466145-012 **Received:** 07/22/22 **Analyst:** TRN
Matrix: Wipe **Prepared:** 07/26/22
Diln Fac: 1.000 **Analyzed:** 07/29/22

466145-012 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466145-012 Surrogate	%REC	Limits
TCMX (PCB)	156	52-186
Decachlorobiphenyl (PCB)	107	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466145 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.8GE-DG-10 TO 24-220721-P-G **Batch#:** 293750 **Prep:** EPA 3572M
Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 8082
Lab ID: 466145-014 **Received:** 07/22/22 **Analyst:** TJW
Matrix: Wipe **Prepared:** 07/26/22
Diln Fac: 1.000 **Analyzed:** 07/30/22

466145-014 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466145-014 Surrogate	%REC	Limits
TCMX (PCB)	183	52-186
Decachlorobiphenyl (PCB)	192 *	50-150

Field ID: DOOR-N-0.5GE-EXT-9 TO 10-220721-P-CB **Batch#:** 293750 **Prep:** EPA 3572M
Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 8082
Lab ID: 466145-016 **Received:** 07/22/22 **Analyst:** TRN
Matrix: Wipe **Prepared:** 07/26/22
Diln Fac: 1.000 **Analyzed:** 07/29/22

466145-016 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466145-016 Surrogate	%REC	Limits
TCMX (PCB)	140	52-186
Decachlorobiphenyl (PCB)	127	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466145 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.4GE-DG-10 TO 24-220721-P-LA **Batch#:** 293750 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 8082

Lab ID: 466145-018 **Received:** 07/22/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/26/22

Diln Fac: 1.000 **Analyzed:** 07/29/22

466145-018 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466145-018 Surrogate	%REC	Limits
TCMX (PCB)	138	52-186
Decachlorobiphenyl (PCB)	118	50-150

Field ID: DOOR-N-0.4GE-DG-10 TO 24-220721-P-DUP-LA **Batch#:** 293750 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 8082

Lab ID: 466145-019 **Received:** 07/22/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/26/22

Diln Fac: 1.000 **Analyzed:** 07/29/22

466145-019 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466145-019 Surrogate	%REC	Limits
TCMX (PCB)	162	52-186
Decachlorobiphenyl (PCB)	136	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466145 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.1GE-PS-23-220721-P-LA **Batch#:** 293750 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 8082

Lab ID: 466145-021 **Received:** 07/22/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 07/26/22

Dil n Fac: 1.000 **Analyzed:** 07/30/22

466145-021 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466145-021 Surrogate	%REC	Limits
TCMX (PCB)	151	52-186
Decachlorobiphenyl (PCB)	170 *	50-150

Field ID: ARCH-C1E-EXT-3 TO 4-220721-P-WF **Batch#:** 293750 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 8082

Lab ID: 466145-023 **Received:** 07/22/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 07/26/22

Dil n Fac: 1.000 **Analyzed:** 07/30/22

466145-023 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466145-023 Surrogate	%REC	Limits
TCMX (PCB)	187 *	52-186
Decachlorobiphenyl (PCB)	189 *	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466145 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: 220721-P-MEDBLANK **Batch#:** 293750 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 8082

Lab ID: 466145-025 **Received:** 07/22/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 07/26/22

Diln Fac: 1.000 **Analyzed:** 07/31/22

466145-025 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466145-025 Surrogate	%REC	Limits
TCMX (PCB)	149	52-186
Decachlorobiphenyl (PCB)	157 *	50-150

Field ID: DOOR-N-0.7GE-PS-23-220721-P-LA **Batch#:** 293750 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 8082

Lab ID: 466145-027 **Received:** 07/22/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/26/22

Diln Fac: 1.000 **Analyzed:** 07/29/22

466145-027 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466145-027 Surrogate	%REC	Limits
TCMX (PCB)	177	52-186
Decachlorobiphenyl (PCB)	126	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466145 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 293750 **Analysis:** EPA 8082

Lab ID: QC1002789 **Prepared:** 07/26/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/29/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1002789 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1002789 Surrogate	%REC	Limits
TCMX (PCB)	108	52-186
Decachlorobiphenyl (PCB)	88	60-140

Legend

*: Value is outside QC limits

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 466145 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 293750 **Analysis:** EPA 8082

Lab ID: QC1002790 **Prepared:** 07/26/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/29/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1002790 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.590	92	60-140	ug/100 cm2
Aroclor-1260	5.000	4.933	99	60-140	ug/100 cm2

QC1002790 Surrogate	%REC	Limits
TCMX (PCB)	86	52-186
Decachlorobiphenyl (PCB)	77	60-140

Type: BSD **Batch#:** 293750 **Analysis:** EPA 8082

Lab ID: QC1002791 **Prepared:** 07/26/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/29/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1002791 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.506	90	60-140	ug/100 cm2	2	20
Aroclor-1260	5.000	4.852	97	60-140	ug/100 cm2	2	20

QC1002791 Surrogate	%REC	Limits
TCMX (PCB)	85	52-186
Decachlorobiphenyl (PCB)	78	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Lead

Lab #: 466145 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C1W-EXT-2 TO 3-220721-L-WF **Batch#:** 293662 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 6010B
Lab ID: 466145-002 **Received:** 07/22/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/25/22
Diln Fac: 1.000 **Analyzed:** 07/25/22

466145-002 Analyte	Result	RL	Units
Lead	ND	1.0	ug/ft2

Field ID: ARCH-C1W-EXT-2 TO 3-220721-L-DUP-WF **Batch#:** 293662 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 6010B
Lab ID: 466145-003 **Received:** 07/22/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/25/22
Diln Fac: 1.000 **Analyzed:** 07/25/22

466145-003 Analyte	Result	RL	Units
Lead	**190**	1.0	ug/ft2

Field ID: DOOR-N-0.1GW-DG-10 TO 23-220721-L-LA **Batch#:** 293662 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 6010B
Lab ID: 466145-005 **Received:** 07/22/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/25/22
Diln Fac: 1.000 **Analyzed:** 07/25/22

466145-005 Analyte	Result	RL	Units
Lead	**230**	0.97	ug/ft2

Field ID: DOOR-N-0.4GW-DG-10 TO 24-220721-L-G **Batch#:** 293662 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 6010B
Lab ID: 466145-007 **Received:** 07/22/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/25/22
Diln Fac: 1.000 **Analyzed:** 07/25/22

466145-007 Analyte	Result	RL	Units
Lead	**170**	0.94	ug/ft2

Field ID: DOOR-N-0.5GW-EXT-9 TO 10-220721-L-CB **Batch#:** 293662 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 6010B
Lab ID: 466145-009 **Received:** 07/22/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/25/22
Diln Fac: 1.000 **Analyzed:** 07/25/22

466145-009 Analyte	Result	RL	Units
Lead	**96**	1.0	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 466145 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.8GW-DG-10 TO 24-220721-L-G **Batch#:** 293662 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 6010B
Lab ID: 466145-011 **Received:** 07/22/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/25/22
Diln Fac: 1.000 **Analyzed:** 07/25/22

466145-011 Analyte	Result	RL	Units
Lead	**93**	0.94	ug/ft2

Field ID: DOOR-N-0.9GE-INT-23 TO 24-220721-L-CB **Batch#:** 293662 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 6010B
Lab ID: 466145-013 **Received:** 07/22/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/25/22
Diln Fac: 1.000 **Analyzed:** 07/25/22

466145-013 Analyte	Result	RL	Units
Lead	**220**	1.0	ug/ft2

Field ID: DOOR-N-0.8GE-DG-10 TO 24-220721-L-G **Batch#:** 293662 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 6010B
Lab ID: 466145-015 **Received:** 07/22/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/25/22
Diln Fac: 1.000 **Analyzed:** 07/25/22

466145-015 Analyte	Result	RL	Units
Lead	**270**	0.94	ug/ft2

Field ID: DOOR-N-0.5GE-EXT-9 TO 10-220721-L-CB **Batch#:** 293662 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 6010B
Lab ID: 466145-017 **Received:** 07/22/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/25/22
Diln Fac: 1.000 **Analyzed:** 07/25/22

466145-017 Analyte	Result	RL	Units
Lead	**100**	1.0	ug/ft2

Field ID: DOOR-N-0.4GE-DG-10 TO 24-220721-L-LA **Batch#:** 293662 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 6010B
Lab ID: 466145-020 **Received:** 07/22/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/25/22
Diln Fac: 1.000 **Analyzed:** 07/25/22

466145-020 Analyte	Result	RL	Units
Lead	**170**	0.97	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 466145 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.1GE-PS-23-220721-L-LA **Batch#:** 293662 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 6010B
Lab ID: 466145-022 **Received:** 07/22/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/25/22
Diln Fac: 1.000 **Analyzed:** 07/25/22

466145-022 Analyte	Result	RL	Units
Lead	**170**	0.97	ug/ft2

Field ID: ARCH-C1E-EXT-3 TO 4-220721-L-WF **Batch#:** 293662 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 6010B
Lab ID: 466145-024 **Received:** 07/22/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/25/22
Diln Fac: 1.000 **Analyzed:** 07/25/22

466145-024 Analyte	Result	RL	Units
Lead	**43**	1.0	ug/ft2

Field ID: 220721-L-MEDBLANK **Batch#:** 293662 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 6010B
Lab ID: 466145-026 **Received:** 07/22/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/25/22
Diln Fac: 1.000 **Analyzed:** 07/25/22

466145-026 Analyte	Result	RL	Units
Lead	**1.6**	1.0	ug/ft2

Field ID: DOOR-N-0.7GE-PS-23-220721-L-LA **Batch#:** 293662 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 6010B
Lab ID: 466145-028 **Received:** 07/22/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/25/22
Diln Fac: 1.000 **Analyzed:** 07/25/22

466145-028 Analyte	Result	RL	Units
Lead	**160**	0.97	ug/ft2

Type: BLANK **Batch#:** 293662 **Analysis:** EPA 6010B
Lab ID: QC1002498 **Prepared:** 07/25/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 07/25/22
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1002498 Analyte	Result	RL	Units
Lead	ND	1.0	ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 466145 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 293662 **Analysis:** EPA 6010B

Lab ID: QC1002499 **Prepared:** 07/25/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 07/25/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1002499 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	99.04	99	80-120	ug/ft2

Type: BSD **Batch#:** 293662 **Analysis:** EPA 6010B

Lab ID: QC1002500 **Prepared:** 07/25/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 07/25/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1002500 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	97.82	98	80-120	ug/ft2	1	20

Legend

RPD: Relative Percent Difference

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

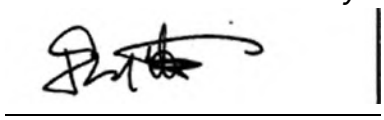
Lab Job Number:	466154
Report Level:	II
Report Date:	01/21/2023

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	466154
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	07/22/22

Sample ID	Lab ID	Collected	Matrix
ARCH-C1W-INT-2.5 TO 3.5-220721-P-WF	466154-001	07/21/22 13:08	Wipe
ARCH-C1W-INT-2.5 TO 3.5-220721-L-WF	466154-002	07/21/22 13:08	Wipe
DOOR-N-0.2GW-INT-23 TO 24-220721-P-CB	466154-003	07/21/22 13:34	Wipe
DOOR-N-0.2GW-INT-23 TO 24-220721-L-CB	466154-004	07/21/22 13:34	Wipe
DOOR-N-0.3GW-PS-23-220721-P-G	466154-005	07/21/22 14:39	Wipe
DOOR-N-0.3GW-PS-23-220721-L-G	466154-006	07/21/22 14:39	Wipe
DOOR-N-0.6GW-DG-9 TO 23-220721-P-G	466154-007	07/21/22 14:18	Wipe
DOOR-N-0.6GW-DG-9 TO 23-220721-P-DUP-G	466154-008	07/21/22 14:18	Wipe
DOOR-N-0.6GW-DG-9 TO 23-220721-L-G	466154-009	07/21/22 14:18	Wipe
DOOR-N-0.9GW-EXT-9 TO 10-220721-P-CB	466154-010	07/21/22 13:46	Wipe
DOOR-N-0.9GW-EXT-9 TO 10-220721-L-CB	466154-011	07/21/22 13:46	Wipe
DOOR-N-0.9GW-EXT-9 TO 10-220721-L-DUP-CB	466154-012	07/21/22 13:46	Wipe
DOOR-N-0.3GE-PS-23-220721-P-G	466154-013	07/21/22 14:07	Wipe
DOOR-N-0.3GE-PS-23-220721-L-G	466154-014	07/21/22 14:07	Wipe
ARCH-C1E-INT-2.5 TO 3.5-220721-P-WF	466154-015	07/21/22 13:20	Wipe

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	466154
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	07/22/22

Sample ID	Lab ID	Collected	Matrix
ARCH-C1E-INT-2.5 TO 3.5-220721-L-WF	466154-016	07/21/22 13:20	Wipe
DOOR-N-0.2GE-EXT-9 TO 10-220721-P-CB	466154-017	07/21/22 12:50	Wipe
DOOR-N-0.2GE-EXT-9 TO 10-220721-L-CB	466154-018	07/21/22 12:50	Wipe

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 466154 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 07/22/22

This data package contains sample and QC results for eighteen wipe samples, requested for the above referenced project on 07/23/22. The samples were received cold and intact. Reissued on 1/21/23 to revise the PCB extraction method.

PCBs (EPA 8082):

- High surrogate recovery was observed for decachlorobiphenyl (PCB) in ARCH-C1E-INT-2.5 TO 3.5-220721-P-WF (lab # 466154-015); no target analytes were detected in the sample so reanalysis was not required.
- No other analytical problems were encountered.

Metals (EPA 6010B):

No analytical problems were encountered.

466154

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

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931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	Michaela Kim and Tyler Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	ARCH-C1W-INT-2.5 TO 3.5-220721-P- WF	7/21/2022	1308	WP	1		X			Confirmation Wipe Samples - Level II Report/Stage 2A Validation Report PCB concentrations on a µg/100cm² basis Report lead concentrations on a µg/ft² basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 1 Enclosure D
2	ARCH-C1W-INT-2.5 TO 3.5-220721-L- WF	7/21/2022	1308	WP	1			X		
3	DOOR-N-0.2GW-INT-23 TO 24-220721-P- CB	7/21/2022	1334	WP	1		X			
4	DOOR-N-0.2GW-INT-23 TO 24-220721-L- CB	7/21/2022	1334	WP	1			X		
5	DOOR-N-0.3GW-PS-23-220721-P- G	7/21/2022	1439	WP	1		X			
6	DOOR-N-0.3GW-PS-23-220721-L- G	7/21/2022	1439	WP	1			X		
7	DOOR-N-0.6GW-DG-9 TO 23-220721-P- G	7/21/2022	1418	WP	1		X			4x Rivet Type 2 = 0.0400 ft² added area
8	DOOR-N-0.6GW-DG-9 TO 23-220721-P-DUP- G	7/21/2022	1418	WP	1		X			
9	DOOR-N-0.6GW-DG-9 TO 23-220721-L- G	7/21/2022	1418	WP	1			X		4x Rivet Type 2 = 0.0400 ft² added area
10	~~DOOR-N-0.7GW-PS-23-220721-P- LA~~	~~7/21/2022~~	~~1451~~	WP	1		X			TS
11	~~DOOR-N-0.7GW-PS-23-220721-L- LA~~	7/21/2022	1451	WP	1			X		TS
12	DOOR-N-0.9GW-EXT-9 TO 10-220721-P- CB	7/21/2022	1346	WP	1		X			
13	DOOR-N-0.9GW-EXT-9 TO 10-220721-L- CB	7/21/2022	1346	WP	1			X		
14	DOOR-N-0.9GW-EXT-9 TO 10-220721-L-DUP- CB	7/21/2022	1346	WP	1			X		
15	~~DOOR-N-0.7GE-PS-23-220721-P-~~	~~7/21/2022~~		WP	1		X			TS

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Donald Welsh	Rincon Consultants	7/22/22 14:30
[1] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY "	7/22/22 14:30
[2] Relinquished By:	Audrey Hudson			7/22/22 16:12
[2] Received By:				7/22/22 16:12
[3] Relinquished By:				7/22/22 17:26
[3] Received By:			EA.O.	7/23/22 08:33

466154

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	Michaela Kim and Tyler Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
16	~~DOOR-N-0.7GE-PS-23-220721-L-~~	~~7/21/2022~~		WP	1			X		TS
17	~~DOOR-N-0.6GE-DG-9 TO 22-220721-P-~~	~~7/21/2022~~		WP	1		X			TS
18	~~DOOR-N-0.6GE-DG-9 TO 22-220721-L-~~	~~7/21/2022~~		WP	1			X		TS
19	DOOR-N-0.3GE-PS-23-220721-P- G	7/21/2022	1407	WP	1		X			
20	DOOR-N-0.3GE-PS-23-220721-L- G	7/21/2022	1407	WP	1			X		6 x Rivet Type 2 = 0.0600 ft² added area
21	~~DOOR-N-0.2GE-INT-23 TO 24-220721-P-~~	~~7/21/2022~~		WP	1		X			TS
22	~~DOOR-N-0.2GE-INT-23 TO 24-220721-L-~~	~~7/21/2022~~		WP	1			X		TS
23	ARCH-C1E-INT-2.5 TO 3.5-220721-P- WP	7/21/2022	1320	WP	1		X			
24	ARCH-C1E-INT-2.5 TO 3.5-220721-L- WP	7/21/2022	1320	WP	1			X		
25	~~ARCH-C1E-INT-2.5 TO 3.5-220721-L-DUP WP~~	~~7/21/22~~	~~1320~~	~~WP~~	~~1~~			~~X~~		MK
26	~~DOOR-N-0.2GE-EXT-9TO10-220721-P-CB~~	~~1250~~								TS
27	~~DOOR-N-0.2GE-EXT-9TO10-220721-L-CB~~	~~1250~~								TS
28	DOOR-N-0.2GE-EXT-9TO10-220721-P-CB	7/21/22	1250	WP	1		X			
29	DOOR-N-0.2GE-EXT-9TO10-220721-L-CB	7/21/22	1250	WP	1			X		
30										

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Donald Welsh	Rincon Consultants	7/22/22 14:30
[1] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	7/22/22 14:30
[2] Relinquished By:	Audrey Hudson	"	"	7/22/22 16:12
[2] Received By:		Maceewill Vip	EA	7/22/22 16:12
[3] Relinquished By:		Maceewill VP	EA	7/22/22 17:26
[3] Received By:		Geena Sylvestre	EA.	7/23/22 08:33

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 466154 Client: Rincon

Date Received: 7/22/22 Project: _____

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☒ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☒ No ☐ N/A

Samples received in a cooler? ☒ Yes, how many? 1 ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☐ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 7/22/22 By (print) VER (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☒ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☐ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☒ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: 1.5, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer?			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 7/22/22 **By (print)** MM **(sign)** _____

Date Labeled 7/22/22 **By (print)** MM **(sign)** _____

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Harbor I - NCTRA WP

Date Received: 7/23/22 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.8 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☑ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.0 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Deena Sylvester Date: 7/23/22

(3) 8.8/1.0

STD PPD 22JUL22 06:40P

Schd: GLI

Pcs: 2 of 4 LOS ANGELES, CA

From: ENTHALPY ANALYTICAL
000-000-0000

RECV: ENTHALPY ANALYTICAL
931 W. BARKLEY AVE
ORANGE, CA 92868
Phone: 925-487-8029

LOS ANGELES

Manual Wght:
143.4
Tariff Wght:
146.0

PO/Ref #:

Standard

Agency Phone: (213)629-8420

WWW.SHIPGREYHOUND.COM

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466154 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C1W-INT-2.5 TO 3.5-220721-P-WF **Batch#:** 293813 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 8082

Lab ID: 466154-001 **Received:** 07/22/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/27/22

DiIn Fac: 1.000 **Analyzed:** 07/29/22

466154-001 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466154-001 Surrogate	%REC	Limits
TCMX (PCB)	136	52-186
Decachlorobiphenyl (PCB)	130	50-150

Field ID: DOOR-N-0.2GW-INT-23 TO 24-220721-P-CB **Batch#:** 293813 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 8082

Lab ID: 466154-003 **Received:** 07/22/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/27/22

DiIn Fac: 1.000 **Analyzed:** 07/29/22

466154-003 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466154-003 Surrogate	%REC	Limits
TCMX (PCB)	151	52-186
Decachlorobiphenyl (PCB)	131	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466154 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.3GW-PS-23-220721-P-G **Batch#:** 293813 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 8082

Lab ID: 466154-005 **Received:** 07/22/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/27/22

Dil n Fac: 1.000 **Analyzed:** 07/29/22

466154-005 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466154-005 Surrogate	%REC	Limits
TCMX (PCB)	157	52-186
Decachlorobiphenyl (PCB)	143	50-150

Field ID: DOOR-N-0.6GW-DG-9 TO 23-220721-P-G **Batch#:** 293813 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 8082

Lab ID: 466154-007 **Received:** 07/22/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/27/22

Dil n Fac: 1.000 **Analyzed:** 07/29/22

466154-007 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466154-007 Surrogate	%REC	Limits
TCMX (PCB)	149	52-186
Decachlorobiphenyl (PCB)	134	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466154 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.6GW-DG-9 TO 23-220721-P-DUP-G **Batch#:** 293813 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 8082

Lab ID: 466154-008 **Received:** 07/22/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/27/22

DiIn Fac: 1.000 **Analyzed:** 07/29/22

466154-008 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466154-008 Surrogate	%REC	Limits
TCMX (PCB)	135	52-186
Decachlorobiphenyl (PCB)	122	50-150

Field ID: DOOR-N-0.9GW-EXT-9 TO 10-220721-P-CB **Batch#:** 293813 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 8082

Lab ID: 466154-010 **Received:** 07/22/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/27/22

DiIn Fac: 1.000 **Analyzed:** 07/29/22

466154-010 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466154-010 Surrogate	%REC	Limits
TCMX (PCB)	132	52-186
Decachlorobiphenyl (PCB)	113	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466154 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.3GE-PS-23-220721-P-G **Batch#:** 293813 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 8082

Lab ID: 466154-013 **Received:** 07/22/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/27/22

Dil n Fac: 1.000 **Analyzed:** 07/29/22

466154-013 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466154-013 Surrogate	%REC	Limits
TCMX (PCB)	141	52-186
Decachlorobiphenyl (PCB)	137	50-150

Field ID: ARCH-C1E-INT-2.5 TO 3.5-220721-P-WF **Batch#:** 293813 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 8082

Lab ID: 466154-015 **Received:** 07/22/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/27/22

Dil n Fac: 1.000 **Analyzed:** 07/29/22

466154-015 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466154-015 Surrogate	%REC	Limits
TCMX (PCB)	157	52-186
Decachlorobiphenyl (PCB)	155 *	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466154 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.2GE-EXT-9 TO 10-220721-P-CB **Batch#:** 293813 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 8082

Lab ID: 466154-017 **Received:** 07/22/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/27/22

DiIn Fac: 1.000 **Analyzed:** 07/29/22

466154-017 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466154-017 Surrogate	%REC	Limits
TCMX (PCB)	143	52-186
Decachlorobiphenyl (PCB)	136	50-150

Type: BLANK **Batch#:** 293813 **Analysis:** EPA 8082

Lab ID: QC1002967 **Prepared:** 07/27/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/29/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1002967 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1002967 Surrogate	%REC	Limits
TCMX (PCB)	96	52-186
Decachlorobiphenyl (PCB)	92	60-140

Legend

***:** Value is outside QC limits

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 466154 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 293813 **Analysis:** EPA 8082

Lab ID: QC1002968 **Prepared:** 07/27/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/29/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1002968 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.987	100	60-140	ug/100 cm2
Aroclor-1260	5.000	4.901	98	60-140	ug/100 cm2

QC1002968 Surrogate	%REC	Limits
TCMX (PCB)	88	52-186
Decachlorobiphenyl (PCB)	86	60-140

Type: BSD **Batch#:** 293813 **Analysis:** EPA 8082

Lab ID: QC1002969 **Prepared:** 07/27/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/29/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1002969 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.761	95	60-140	ug/100 cm2	5	20
Aroclor-1260	5.000	4.645	93	60-140	ug/100 cm2	5	20

QC1002969 Surrogate	%REC	Limits
TCMX (PCB)	83	52-186
Decachlorobiphenyl (PCB)	80	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Lead

Lab #: 466154 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C1W-INT-2.5 TO 3.5-220721-L-WF **Batch#:** 293662 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 6010B
Lab ID: 466154-002 **Received:** 07/22/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/25/22
Diln Fac: 1.000 **Analyzed:** 07/25/22

466154-002 Analyte	Result	RL	Units
Lead	**910**	1.0	ug/ft2

Field ID: DOOR-N-0.2GW-INT-23 TO 24-220721-L-CB **Batch#:** 293662 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 6010B
Lab ID: 466154-004 **Received:** 07/22/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/25/22
Diln Fac: 1.000 **Analyzed:** 07/25/22

466154-004 Analyte	Result	RL	Units
Lead	**690**	1.0	ug/ft2

Field ID: DOOR-N-0.3GW-PS-23-220721-L-G **Batch#:** 293662 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 6010B
Lab ID: 466154-006 **Received:** 07/22/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/25/22
Diln Fac: 1.000 **Analyzed:** 07/25/22

466154-006 Analyte	Result	RL	Units
Lead	**450**	0.96	ug/ft2

Field ID: DOOR-N-0.6GW-DG-9 TO 23-220721-L-G **Batch#:** 293662 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 6010B
Lab ID: 466154-009 **Received:** 07/22/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/25/22
Diln Fac: 1.000 **Analyzed:** 07/25/22

466154-009 Analyte	Result	RL	Units
Lead	**550**	0.96	ug/ft2

Field ID: DOOR-N-0.9GW-EXT-9 TO 10-220721-L-CB **Batch#:** 293662 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 6010B
Lab ID: 466154-011 **Received:** 07/22/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/25/22
Diln Fac: 1.000 **Analyzed:** 07/25/22

466154-011 Analyte	Result	RL	Units
Lead	**560**	1.0	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 466154 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.9GW-EXT-9 TO 10-220721-L-DUP-CB **Batch#:** 293662 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 6010B
Lab ID: 466154-012 **Received:** 07/22/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/25/22
Dln Fac: 1.000 **Analyzed:** 07/25/22

466154-012 Analyte	Result	RL	Units
Lead	**1,100**	1.0	ug/ft2

Field ID: DOOR-N-0.3GE-PS-23-220721-L-G **Batch#:** 293664 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 6010B
Lab ID: 466154-014 **Received:** 07/22/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/25/22
Dln Fac: 1.000 **Analyzed:** 07/25/22

466154-014 Analyte	Result	RL	Units
Lead	**130**	0.94	ug/ft2

Field ID: ARCH-C1E-INT-2.5 TO 3.5-220721-L-WF **Batch#:** 293664 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 6010B
Lab ID: 466154-016 **Received:** 07/22/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/25/22
Dln Fac: 1.000 **Analyzed:** 07/25/22

466154-016 Analyte	Result	RL	Units
Lead	**130**	1.0	ug/ft2

Field ID: DOOR-N-0.2GE-EXT-9 TO 10-220721-L-CB **Batch#:** 293664 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/21/22 **Analysis:** EPA 6010B
Lab ID: 466154-018 **Received:** 07/22/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/25/22
Dln Fac: 1.000 **Analyzed:** 07/25/22

466154-018 Analyte	Result	RL	Units
Lead	**35**	1.0	ug/ft2

Type: BLANK **Batch#:** 293662 **Analysis:** EPA 6010B
Lab ID: QC1002498 **Prepared:** 07/25/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 07/25/22
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1002498 Analyte	Result	RL	Units
Lead	ND	1.0	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 466154 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type:	BLANK	**Batch#:**	293664	**Analysis:**	EPA 6010B
Lab ID:	QC1002501	**Prepared:**	07/25/22	**Analyst:**	SBW
Matrix:	Wipe	**Analyzed:**	07/25/22		
DiIn Fac:	1.000	**Prep:**	EPA 3050B		

QC1002501 Analyte	Result	RL	Units
Lead	ND	1.0	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 466154 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 293662 **Analysis:** EPA 6010B
Lab ID: QC1002499 **Prepared:** 07/25/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 07/25/22
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1002499 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	99.04	99	80-120	ug/ft2

Type: BS **Batch#:** 293664 **Analysis:** EPA 6010B
Lab ID: QC1002502 **Prepared:** 07/25/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 07/25/22
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1002502 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	98.20	98	80-120	ug/ft2

Type: BSD **Batch#:** 293662 **Analysis:** EPA 6010B
Lab ID: QC1002500 **Prepared:** 07/25/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 07/25/22
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1002500 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	97.82	98	80-120	ug/ft2	1	20

Type: BSD **Batch#:** 293664 **Analysis:** EPA 6010B
Lab ID: QC1002503 **Prepared:** 07/25/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 07/25/22
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1002503 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	102.4	102	80-120	ug/ft2	4	20

Legend

RPD: Relative Percent Difference

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

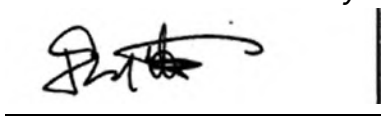
Lab Job Number: 466742
Report Level: II
Report Date: 01/05/2023

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	466742
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	08/03/22

Sample ID	Lab ID	Collected	Matrix
DOOR-N-0.3GE-PS-22-220802-P-G	466742-001	08/02/22 11:20	Wipe
DOOR-N-0.3GE-PS-22-220802-L-G	466742-002	08/02/22 11:20	Wipe
DOOR-N-0.3GE-INT-22 TO 23-220802-P-CB	466742-003	08/02/22 10:25	Wipe
DOOR-N-0.3GE-INT-22 TO 23-220802-L-CB	466742-004	08/02/22 10:25	Wipe
DOOR-N-0.4GE-DG-8 TO 21-220802-P-LA	466742-005	08/02/22 13:35	Wipe
DOOR-N-0.4GE-DG-8 TO 21-220802-L-LA	466742-006	08/02/22 13:35	Wipe
DOOR-N-0.5GE-DG-8 TO 21-220802-P-LA	466742-007	08/02/22 14:00	Wipe
DOOR-N-0.5GE-DG-8 TO 21-220802-L-LA	466742-008	08/02/22 14:00	Wipe
DOOR-N-0.8GE-PS-22-220802-P-G	466742-009	08/02/22 11:00	Wipe
DOOR-N-0.8GE-PS-22-220802-L-G	466742-010	08/02/22 11:00	Wipe
DOOR-N-0.7GE-DG-9 TO 22-220802-P-LA	466742-011	08/02/22 10:41	Wipe
DOOR-N-0.7GE-DG-9 TO 22-220802-L-LA	466742-012	08/02/22 10:41	Wipe
DOOR-N-0.8GE-EXT-7 TO 8-220802-P-CB	466742-013	08/02/22 14:15	Wipe
DOOR-N-0.8GE-EXT-7 TO 8-220802-L-CB	466742-014	08/02/22 14:15	Wipe
DOOR-N-0.8GE-EXT-7 TO 8-220802-L-DUP-CB	466742-015	08/02/22 14:15	Wipe

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	466742
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	08/03/22

Sample ID	Lab ID	Collected	Matrix
ARCH-C1E-EXT-4 TO 5-220802-P-WF	466742-016	08/02/22 13:15	Wipe
ARCH-C1E-EXT-4 TO 5-220802-L-WF	466742-017	08/02/22 13:15	Wipe
ARCH-C1E-EXT-4 TO 5-220802-L-DUP-WF	466742-018	08/02/22 13:15	Wipe
220802-P-MEDBLANK	466742-019	08/02/22 10:20	Wipe
220802-L-MEDBLANK	466742-020	08/02/22 10:20	Wipe

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants
449 15th Street
#303
Oakland, CA 94612
Lindsay Parker

Lab Job Number: 466742
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 08/03/22

This data package contains sample and QC results for twenty wipe samples, requested for the above referenced project on 08/04/22. The samples were received cold and intact. Reissued 1/5/23 to revise the preparation method reference.

PCBs (EPA 8082):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

466742

ENTHALPY ANALYTICAL

Chain of Custody Record — COC ID:

Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	Michaela Kim

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
1	DOOR-N-~~0.2~~0.3GE-PS-22-220802-P- G	8/2/2022	1120	WP	1		X		
2	DOOR-N-~~0.2~~0.3GE-PS-22-220802-L- G	8/2/2022	1120	WP	1			X	
3	DOOR-N-0.3GE-INT-22 TO 23-220802-P- CB	8/2/2022	1025	WP	1		X		
4	DOOR-N-0.3GE-INT-22 TO 23-220802-L- CB	8/2/2022	1025	WP	1			X	
5	DOOR-N-0.4GE-DG-8 TO 21-220802-P- LA	8/2/2022	1335	WP	1		X		
6	~~DOOR-N-0.4GE-DG-8 TO 21-220802-P-DUP-~~	~~8/2/2022~~		~~WP~~	~~1~~		X		
7	DOOR-N-0.4GE-DG-8 TO 21-220802-L- LA	8/2/2022	1335	WP	1			X	
8	DOOR-N-0.5GE-DG-8 TO 21-220802-P- LA	8/2/2022	1400	WP	1		X		
9	DOOR-N-0.5GE-DG-8 TO 21-220802-L- LA	8/2/2022	1400	WP	1			X	
10	DOOR-N-~~0.6~~0.8GE-PS-22-220802-P- G	8/2/2022	1100	WP	1		X		
11	DOOR-N-~~0.6~~0.8GE-PS-22-220802-L- G	8/2/2022	1100	WP	1			X	
12	DOOR-N-0.7GE-DG-9 TO 22-220802-P- LA	8/2/2022	1041	WP	1		X		
13	DOOR-N-0.7GE-DG-9 TO 22-220802-L- LA	8/2/2022	1041	WP	1			X	
14	DOOR-N-0.8GE-EXT-7 TO 8-220802-P- CB	8/2/2022	1415	WP	1		X		
15	DOOR-N-0.8GE-EXT-7 TO 8-220802-L- CB	8/2/2022	1415	WP	1			X	

Test Instructions / Comments

Confirmation Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure D

4x Rivet Type 1 = 0.0552 ft² added area

TS

2x Rivet Type 1 = 0.0276 ft² added area

2x Rivet Type 1 = 0.0276 ft² added area

4x Rivet Type 1 = 0.0552 ft² added area

2x Rivet Type 1 = 0.0276 ft² added area

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michaela Kim	Rincon/Env Scientist	8/3/22 1235
[1] Received By:		Luis Moreno	McCarthy	8.3.22 12:35
[2] Relinquished By:		Luis Moreno	McCarthy	8.3.22 14:10
[2] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	8/3/22 14:10
[3] Relinquished By:	Audrey Hudson	"	"	8/3/22 16:23
[3] Received By:		yanira	ea	8/3/22 16:23
				8/4/22 08:32

466742

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	Michaela Kim

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
16	DOOR-N-0.8GE-EXT-7 TO 8-220802-L-DUP - CB	8/2/2022	1415	WP	1			X	
17	ARCH-C1E-EXT-4 TO 5-220802-P- WF	8/2/2022	1315	WP	1		X		
18	ARCH-C1E-EXT-4 TO 5-220802-L- WF	8/2/2022	1315	WP	1			X	
19	ARCH-C1E-EXT-4 TO 5-220802-L-DUP- WF	8/2/2022	1315	WP	1			X	
20	220802-P-MEDBLANK	8/2/2022	1020	WP	1		X		
21	220802-L-MEDBLANK	8/2/2022	1020	WP	1			X	
22									
23									
24									
25									
26									
27									
28									
29									
30									

Test Instructions / Comments

Confirmation Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure D

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michaela Kim	Rincon / Env. Scientist	8/3/22 1735
1 Received By:		Luis Moreno	McCarthy	8.3.22 12:35
2 Relinquished By:		Luis Moreno	McCarthy	8.3.22 14:16
2 Received By:	Audrey Hudson	Audrey Hudson	ENTHALPY	8/3/22 14:10
3 Relinquished By:	Audrey Hudson	"	"	8/3/22 16:23
3 Received By:				8/3/22 16:23

08/4 /2022

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 466742 Client: Rincon

Date Received: 8.3.22 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☐ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 8.3.22 By (print) JH (sign) JH

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☐ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☐ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☐ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: 1.9, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 8.3.22 **By (print)** MAY **(sign)** _____

Date Labeled 8.3.22 **By (print)** JH **(sign)** JH

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: Rincon Consultants, Inc. Project: Hangar 1 - NCTRA WP / 158 Cody Road. Mountain View CA
Date Received: 8/4/2022 Sampler's Name Present: ☑ Yes ☐ No

Section 2
Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____
Sample Temp (°C), One from each cooler: #1: 5.5 #2: _____ #3: _____ #4: _____
(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)
Shipping Information: Greyhound

Section 3
Was the cooler packed with: ☑ Ice ☑ Ice Packs ☑ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____
Cooler Temp (°C): #1: 2.8 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6
For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____
☐ Email (email sent to/on): _____ / _____
Project Manager's response:

Completed By: Yanita Date: 8/4/2022

PACKAGE
EXPRESS
A8673594B
LBLBC-GPX (REV 11/19)

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466742 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.3GE-PS-22-220802-P-G **Batch#:** 294523 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/02/22 **Analysis:** EPA 8082

Lab ID: 466742-001 **Received:** 08/03/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/05/22

Diln Fac: 1.000 **Analyzed:** 08/09/22

466742-001 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466742-001 Surrogate	%REC	Limits
TCMX (PCB)	79	52-186
Decachlorobiphenyl (PCB)	68	50-150

Field ID: DOOR-N-0.3GE-INT-22 TO 23-220802-P-CB **Batch#:** 294523 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/02/22 **Analysis:** EPA 8082

Lab ID: 466742-003 **Received:** 08/03/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/05/22

Diln Fac: 1.000 **Analyzed:** 08/09/22

466742-003 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466742-003 Surrogate	%REC	Limits
TCMX (PCB)	74	52-186
Decachlorobiphenyl (PCB)	68	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466742 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.4GE-DG-8 TO 21-220802-P-LA **Batch#:** 294523 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/02/22 **Analysis:** EPA 8082

Lab ID: 466742-005 **Received:** 08/03/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/05/22

DiIn Fac: 1.000 **Analyzed:** 08/09/22

466742-005 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466742-005 Surrogate	%REC	Limits
TCMX (PCB)	88	52-186
Decachlorobiphenyl (PCB)	83	50-150

Field ID: DOOR-N-0.5GE-DG-8 TO 21-220802-P-LA **Batch#:** 294523 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/02/22 **Analysis:** EPA 8082

Lab ID: 466742-007 **Received:** 08/03/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/05/22

DiIn Fac: 1.000 **Analyzed:** 08/09/22

466742-007 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466742-007 Surrogate	%REC	Limits
TCMX (PCB)	87	52-186
Decachlorobiphenyl (PCB)	79	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466742 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.8GE-PS-22-220802-P-G **Batch#:** 294523 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/02/22 **Analysis:** EPA 8082

Lab ID: 466742-009 **Received:** 08/03/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/05/22

Dil n Fac: 1.000 **Analyzed:** 08/09/22

466742-009 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466742-009 Surrogate	%REC	Limits
TCMX (PCB)	83	52-186
Decachlorobiphenyl (PCB)	78	50-150

Field ID: DOOR-N-0.7GE-DG-9 TO 22-220802-P-LA **Batch#:** 294523 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/02/22 **Analysis:** EPA 8082

Lab ID: 466742-011 **Received:** 08/03/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/05/22

Dil n Fac: 1.000 **Analyzed:** 08/09/22

466742-011 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466742-011 Surrogate	%REC	Limits
TCMX (PCB)	79	52-186
Decachlorobiphenyl (PCB)	70	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466742 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.8GE-EXT-7 TO 8-220802-P-CB **Batch#:** 294523 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/02/22 **Analysis:** EPA 8082

Lab ID: 466742-013 **Received:** 08/03/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/05/22

Diln Fac: 1.000 **Analyzed:** 08/09/22

466742-013 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466742-013 Surrogate	%REC	Limits
TCMX (PCB)	86	52-186
Decachlorobiphenyl (PCB)	83	50-150

Field ID: ARCH-C1E-EXT-4 TO 5-220802-P-WF **Batch#:** 294523 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/02/22 **Analysis:** EPA 8082

Lab ID: 466742-016 **Received:** 08/03/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/05/22

Diln Fac: 1.000 **Analyzed:** 08/09/22

466742-016 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466742-016 Surrogate	%REC	Limits
TCMX (PCB)	84	52-186
Decachlorobiphenyl (PCB)	74	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466742 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: 220802-P-MEDBLANK **Batch#:** 294523 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/02/22 **Analysis:** EPA 8082

Lab ID: 466742-019 **Received:** 08/03/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/05/22

Dil n Fac: 1.000 **Analyzed:** 08/09/22

466742-019 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466742-019 Surrogate	%REC	Limits
TCMX (PCB)	74	52-186
Decachlorobiphenyl (PCB)	67	50-150

Type: BLANK **Batch#:** 294523 **Analysis:** EPA 8082

Lab ID: QC1005136 **Prepared:** 08/05/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/09/22

Dil n Fac: 1.000 **Prep:** EPA 3572M

QC1005136 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1005136 Surrogate	%REC	Limits
TCMX (PCB)	111	52-186
Decachlorobiphenyl (PCB)	97	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 466742 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 294523 **Analysis:** EPA 8082

Lab ID: QC1005137 **Prepared:** 08/05/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/09/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1005137 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	5.781	116	60-140	ug/100 cm2
Aroclor-1260	5.000	6.054	121	60-140	ug/100 cm2

QC1005137 Surrogate	%REC	Limits
TCMX (PCB)	112	52-186
Decachlorobiphenyl (PCB)	106	60-140

Type: BSD **Batch#:** 294523 **Analysis:** EPA 8082

Lab ID: QC1005138 **Prepared:** 08/05/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/09/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1005138 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	5.877	118	60-140	ug/100 cm2	2	20
Aroclor-1260	5.000	6.148	123	60-140	ug/100 cm2	2	20

QC1005138 Surrogate	%REC	Limits
TCMX (PCB)	113	52-186
Decachlorobiphenyl (PCB)	107	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Lead

Lab #: 466742 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.3GE-PS-22-220802-L-G **Batch#:** 294327 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/02/22 **Analysis:** EPA 6010B
Lab ID: 466742-002 **Received:** 08/03/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/04/22
Dln Fac: 1.000 **Analyzed:** 08/04/22

466742-002 Analyte	Result	RL	Units
Lead	**100**	0.47	ug/ft2

Field ID: DOOR-N-0.3GE-INT-22 TO 23-220802-L-CB **Batch#:** 294327 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/02/22 **Analysis:** EPA 6010B
Lab ID: 466742-004 **Received:** 08/03/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/04/22
Dln Fac: 1.000 **Analyzed:** 08/04/22

466742-004 Analyte	Result	RL	Units
Lead	**79**	0.50	ug/ft2

Field ID: DOOR-N-0.4GE-DG-8 TO 21-220802-L-LA **Batch#:** 294327 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/02/22 **Analysis:** EPA 6010B
Lab ID: 466742-006 **Received:** 08/03/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/04/22
Dln Fac: 1.000 **Analyzed:** 08/04/22

466742-006 Analyte	Result	RL	Units
Lead	**70**	0.49	ug/ft2

Field ID: DOOR-N-0.5GE-DG-8 TO 21-220802-L-LA **Batch#:** 294327 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/02/22 **Analysis:** EPA 6010B
Lab ID: 466742-008 **Received:** 08/03/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/04/22
Dln Fac: 1.000 **Analyzed:** 08/04/22

466742-008 Analyte	Result	RL	Units
Lead	**50**	0.49	ug/ft2

Field ID: DOOR-N-0.8GE-PS-22-220802-L-G **Batch#:** 294327 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/02/22 **Analysis:** EPA 6010B
Lab ID: 466742-010 **Received:** 08/03/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/04/22
Dln Fac: 1.000 **Analyzed:** 08/04/22

466742-010 Analyte	Result	RL	Units
Lead	**130**	0.49	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 466742 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.7GE-DG-9 TO 22-220802-L-LA **Batch#:** 294327 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/02/22 **Analysis:** EPA 6010B
Lab ID: 466742-012 **Received:** 08/03/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/04/22
Dln Fac: 1.000 **Analyzed:** 08/04/22

466742-012 Analyte	Result	RL	Units
Lead	**120**	0.47	ug/ft2

Field ID: DOOR-N-0.8GE-EXT-7 TO 8-220802-L-CB **Batch#:** 294327 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/02/22 **Analysis:** EPA 6010B
Lab ID: 466742-014 **Received:** 08/03/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/04/22
Dln Fac: 1.000 **Analyzed:** 08/04/22

466742-014 Analyte	Result	RL	Units
Lead	**100**	0.49	ug/ft2

Field ID: DOOR-N-0.8GE-EXT-7 TO 8-220802-L-DUP-CB **Batch#:** 294327 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/02/22 **Analysis:** EPA 6010B
Lab ID: 466742-015 **Received:** 08/03/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/04/22
Dln Fac: 1.000 **Analyzed:** 08/04/22

466742-015 Analyte	Result	RL	Units
Lead	**77**	0.50	ug/ft2

Field ID: ARCH-C1E-EXT-4 TO 5-220802-L-WF **Batch#:** 294327 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/02/22 **Analysis:** EPA 6010B
Lab ID: 466742-017 **Received:** 08/03/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/04/22
Dln Fac: 1.000 **Analyzed:** 08/04/22

466742-017 Analyte	Result	RL	Units
Lead	**170**	0.50	ug/ft2

Field ID: ARCH-C1E-EXT-4 TO 5-220802-L-DUP-WF **Batch#:** 294327 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/02/22 **Analysis:** EPA 6010B
Lab ID: 466742-018 **Received:** 08/03/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/04/22
Dln Fac: 1.000 **Analyzed:** 08/04/22

466742-018 Analyte	Result	RL	Units
Lead	**150**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 466742 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID:	220802-L-MEDBLANK	**Batch#:**	294327	**Prep:**	EPA 3050B
Type:	SAMPLE	**Sampled:**	08/02/22	**Analysis:**	EPA 6010B
Lab ID:	466742-020	**Received:**	08/03/22	**Analyst:**	SBW
Matrix:	Wipe	**Prepared:**	08/04/22		
Diln Fac:	1.000	**Analyzed:**	08/04/22		

466742-020 Analyte	Result	RL	Units
Lead	**2.7**	0.50	ug/ft2

Type:	BLANK	**Batch#:**	294327	**Analysis:**	EPA 6010B
Lab ID:	QC1004534	**Prepared:**	08/04/22	**Analyst:**	SBW
Matrix:	Wipe	**Analyzed:**	08/04/22		
Diln Fac:	1.000	**Prep:**	EPA 3050B		

QC1004534 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 466742 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 294327 **Analysis:** EPA 6010B

Lab ID: QC1004535 **Prepared:** 08/04/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 08/04/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1004535 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	105.1	105	80-120	ug/ft2

Type: BSD **Batch#:** 294327 **Analysis:** EPA 6010B

Lab ID: QC1004536 **Prepared:** 08/04/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 08/04/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1004536 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	105.3	105	80-120	ug/ft2	0	20

Legend

RPD: Relative Percent Difference

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

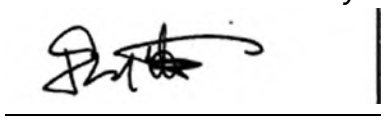
Lab Job Number: 466745
Report Level: II
Report Date: 01/05/2023

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	466745
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	08/03/22

Sample ID	Lab ID	Collected	Matrix
DOOR-N-0.3GW-PS-22-220802-P-G	466745-001	08/02/22 11:29	Wipe
DOOR-N-0.3GW-PS-22-220802-L-G	466745-002	08/02/22 11:29	Wipe
DOOR-N-0.3GW-EXT-8 TO 9-220802-P-CB	466745-003	08/02/22 10:53	Wipe
DOOR-N-0.3GW-EXT-8 TO 9-220802-P-DUP-CB	466745-004	08/02/22 10:53	Wipe
DOOR-N-0.3GW-EXT-8 TO 9-220802-L-CB	466745-005	08/02/22 10:53	Wipe
DOOR-N-0.4GW-DG-8 TO 21-220802-P-LA	466745-006	08/02/22 13:34	Wipe
DOOR-N-0.4GW-DG-8 TO 21-220802-L-LA	466745-007	08/02/22 13:34	Wipe
DOOR-N-0.5GW-PS-22-220802-P-G	466745-008	08/02/22 13:13	Wipe
DOOR-N-0.5GW-PS-22-220802-P-DUP-G	466745-009	08/02/22 13:13	Wipe
DOOR-N-0.5GW-PS-22-220802-L-G	466745-010	08/02/22 13:13	Wipe
DOOR-N-0.7GW-DG-9 TO 22-220802-P-LA	466745-011	08/02/22 11:07	Wipe
DOOR-N-0.7GW-DG-9 TO 22-220802-L-LA	466745-012	08/02/22 11:07	Wipe
DOOR-N-0.8GW-INT-21 TO 22-220802-P-CB	466745-013	08/02/22 14:11	Wipe
DOOR-N-0.8GW-INT-21 TO 22-220802-L-CB	466745-014	08/02/22 14:11	Wipe
DOOR-N-0.9GW-EXT-9 TO 10-220802-L-CB	466745-015	08/02/22 10:26	Wipe
DOOR-N-0.9GW-EXT-9 TO 10-220802-L-DUP-CB	466745-016	08/02/22 10:26	Wipe

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	466745
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	08/03/22

Sample ID	Lab ID	Collected	Matrix
ARCH-C1W-INT-2.5 TO 3.5-220802-L-WF	466745-017	08/02/22 10:18	Wipe
ARCH-C1W-EXT-4 TO 5-220802-P-WF	466745-018	08/02/22 13:53	Wipe
ARCH-C1W-EXT-4 TO 5-220802-L-WF	466745-019	08/02/22 13:53	Wipe

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 466745 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 08/03/22

This data package contains sample and QC results for nineteen wipe samples, requested for the above referenced project on 08/04/22. The samples were received cold and intact. Reissued 1/5/23 to revise the preparation method reference.

PCBs (EPA 8082):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

466745

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

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Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	Tyler Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	DOOR-N-~~0.3~~-0.3GW-PS-22-220802-P- G	8/2/2022	1129	WP	1		X			
2	DOOR-N-~~0.3~~-0.3GW-PS-22-220802-L- G	8/2/2022	1129	WP	1			X		4x Rivet Type 1 = 0.0552 ft² added area
3	DOOR-N-0.3GW-EXT-8 TO 9-220802-P- CB	8/2/2022	1053	WP	1		X			
4	DOOR-N-0.3GW-EXT-8 TO 9-220802-P-DUP- CB	8/2/2022	1053	WP	1		X			
5	DOOR-N-0.3GW-EXT-8 TO 9-220802-L- CB	8/2/2022	1053	WP	1			X		
6	DOOR-N-0.4GW-DG-8 TO 21-220802-P- LA	8/2/2022	1334	WP	1		X			
7	DOOR-N-0.4GW-DG-8 TO 21-220802-L- LA	8/2/2022	1334	WP	1			X		2x Rivet Type 1 = 0.0276 ft² added area
8	DOOR-N-~~0.5~~-0.5GW-PS-22-220802-P- G	8/2/2022	1313	WP	1		X			
9	DOOR-N-~~0.5~~-0.5GW-PS-22-220802-P-DUP- G	8/2/2022	1313	WP	1		X			
10	DOOR-N-~~0.5~~-0.5GW-PS-22-220802-L- G	8/2/2022	1313	WP	1			X		4x Rivet Type 1 = 0.0552 ft² added area
11	DOOR-N-0.7GW-DG-9 TO 22-220802-P- LA	8/2/2022	1107	WP	1		X			
12	DOOR-N-0.7GW-DG-9 TO 22-220802-L- LA	8/2/2022	1107	WP	1			X		2x Rivet Type 1 = 0.0276 ft² added area
13	DOOR-N-0.8GW-INT-21 TO 22-220802-P- CB	8/2/2022	1411	WP	1		X			
14	DOOR-N-0.8GW-INT-21 TO 22-220802-L- CB	8/2/2022	1411	WP	1			X		
15	~~DOOR-N-0.9GW-EXT-9 TO 10-220802-P-~~	8/2/2022		WP	1		X			TS

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michaylakim	Rincon / Env. Scientist	8/3/22 1235
[1] Received By:		Luis Moreno	NCCarthy	8.3.22 12:35
[2] Relinquished By:		Luis Moreno	McCarthy	8.3.22 17:10
[2] Received By:	Lindsey Hudgson	AUDREY HUDSON	ENTHALPY	8/3/22 14:10
[3] Relinquished By:	Audrey Hudson	11	11	8/3/22 16:23
[3] Received By:		Rmccarthy	RA	8/3/22 16:23

2 yanitn ea 8/4/2022 08:32

466745

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	Tyler Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
16	DOOR-N-0.9GW-EXT-9 TO 10-220802-L- CB	8/2/2022	1026	WP	1			X	
17	DOOR-N-0.9GW-EXT-9 TO 10-220802-L-DUP- CB	8/2/2022	1026	WP	1			X	
18	~~ARCH-C1W-INT-2.5 TO 3.5-220802-P-~~	~~8/2/2022~~		WP	1		X		
19	ARCH-C1W-INT-2.5 TO 3.5-220802-L- WF	8/2/2022	1018	WP	1			X	
20	ARCH-C1W-EXT-4 TO 5-220802-P- WF	8/2/2022	1353	WP	1		X		
21	ARCH-C1W-EXT-4 TO 5-220802-L- WF	8/2/2022	1353	WP	1			X	
22									
23									
24									
25									
26									
27									
28									
29									
30									

Analysis Request

Test Instructions / Comments

Confirmation Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure D

TS

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michaela Kim	Rincon/Env. Scientist	8/3/22 1235
1 Received By:		Luis Moreno	Mc Carthy	8.3.22 12:35
~~2 Relinquished By:~~ REC'D	Audrey Hudson	AUDREY HUDSON	ENTHALPY	8/3/22 14:10
2 Received By:				8/3/22 1623
3 Relinquished By:				
3 Received By:		yanitz		08/4/2022 08:32

SAMPLE RECEIPT CHECKLIST 466745

Section 1: Login # 466742 v# Client: Rincon

Date Received: 8.3.22 Project:

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☐ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 8.3.22 By (print) JH (sign) JH

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☐ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☐ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☐ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: 1.9, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 8.3 **By (print)** MAY **(sign)** _____

Date Labeled 8.3 **By (print)** JH **(sign)** JH

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: Rincon Consultants, Inc. Project: Hangar 1 - NCTRA WP / 158 Cody Road, Mountain View CA
Date Received: 8/4/2022 Sampler's Name Present: ☑ Yes ☐ No

Section 2
Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____
Sample Temp (°C), One from each cooler: #1: 5.5 #2: _____ #3: _____ #4: _____
(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)
Shipping Information: Greyhound

Section 3
Was the cooler packed with: ☑ Ice ☑ Ice Packs ☑ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____
Cooler Temp (°C): #1: 2.8 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6
For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____
☐ Email (email sent to/on): _____ / _____
Project Manager's response:

Completed By: Yanita Date: 8/4/2022

Enthalpy Analytical, a subsidiary of Montrose Environmental Group ,Inc.
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www.enthalpy.com/socal

PACKAGE
EXPRESS
A8673594B
LBLBC-GPX (REV 11/19)

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466745 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.3GW-PS-22-220802-P-G **Batch#:** 294523 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/02/22 **Analysis:** EPA 8082

Lab ID: 466745-001 **Received:** 08/03/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/05/22

Dil Fac: 1.000 **Analyzed:** 08/09/22

466745-001 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466745-001 Surrogate	%REC	Limits
TCMX (PCB)	86	52-186
Decachlorobiphenyl (PCB)	78	50-150

Field ID: DOOR-N-0.3GW-EXT-8 TO 9-220802-P-CB **Batch#:** 294523 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/02/22 **Analysis:** EPA 8082

Lab ID: 466745-003 **Received:** 08/03/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/05/22

Dil Fac: 1.000 **Analyzed:** 08/09/22

466745-003 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466745-003 Surrogate	%REC	Limits
TCMX (PCB)	80	52-186
Decachlorobiphenyl (PCB)	70	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466745 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.3GW-EXT-8 TO 9-220802-P-DUP-CB **Batch#:** 294523 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/02/22 **Analysis:** EPA 8082

Lab ID: 466745-004 **Received:** 08/03/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/05/22

Diln Fac: 1.000 **Analyzed:** 08/09/22

466745-004 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466745-004 Surrogate	%REC	Limits
TCMX (PCB)	81	52-186
Decachlorobiphenyl (PCB)	78	50-150

Field ID: DOOR-N-0.4GW-DG-8 TO 21-220802-P-LA **Batch#:** 294523 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/02/22 **Analysis:** EPA 8082

Lab ID: 466745-006 **Received:** 08/03/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/05/22

Diln Fac: 1.000 **Analyzed:** 08/09/22

466745-006 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466745-006 Surrogate	%REC	Limits
TCMX (PCB)	82	52-186
Decachlorobiphenyl (PCB)	85	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466745 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.5GW-PS-22-220802-P-G **Batch#:** 294523 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/02/22 **Analysis:** EPA 8082

Lab ID: 466745-008 **Received:** 08/03/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/05/22

Dil n Fac: 1.000 **Analyzed:** 08/09/22

466745-008 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466745-008 Surrogate	%REC	Limits
TCMX (PCB)	90	52-186
Decachlorobiphenyl (PCB)	85	50-150

Field ID: DOOR-N-0.5GW-PS-22-220802-P-DUP-G **Batch#:** 294523 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/02/22 **Analysis:** EPA 8082

Lab ID: 466745-009 **Received:** 08/03/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/05/22

Dil n Fac: 1.000 **Analyzed:** 08/09/22

466745-009 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466745-009 Surrogate	%REC	Limits
TCMX (PCB)	77	52-186
Decachlorobiphenyl (PCB)	73	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466745 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.7GW-DG-9 TO 22-220802-P-LA **Batch#:** 294523 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/02/22 **Analysis:** EPA 8082

Lab ID: 466745-011 **Received:** 08/03/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/05/22

Diln Fac: 1.000 **Analyzed:** 08/10/22

466745-011 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466745-011 Surrogate	%REC	Limits
TCMX (PCB)	82	52-186
Decachlorobiphenyl (PCB)	83	50-150

Field ID: DOOR-N-0.8GW-INT-21 TO 22-220802-P-CB **Batch#:** 294523 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/02/22 **Analysis:** EPA 8082

Lab ID: 466745-013 **Received:** 08/03/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/05/22

Diln Fac: 1.000 **Analyzed:** 08/10/22

466745-013 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466745-013 Surrogate	%REC	Limits
TCMX (PCB)	89	52-186
Decachlorobiphenyl (PCB)	82	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466745 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C1W-EXT-4 TO 5-220802-P-WF **Batch#:** 294523 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 08/02/22 **Analysis:** EPA 8082

Lab ID: 466745-018 **Received:** 08/03/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/05/22

DiIn Fac: 1.000 **Analyzed:** 08/10/22

466745-018 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466745-018 Surrogate	%REC	Limits
TCMX (PCB)	96	52-186
Decachlorobiphenyl (PCB)	88	50-150

Type: BLANK **Batch#:** 294523 **Analysis:** EPA 8082

Lab ID: QC1005136 **Prepared:** 08/05/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/09/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1005136 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1005136 Surrogate	%REC	Limits
TCMX (PCB)	111	52-186
Decachlorobiphenyl (PCB)	97	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 466745 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 294523 **Analysis:** EPA 8082

Lab ID: QC1005137 **Prepared:** 08/05/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/09/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1005137 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	5.781	116	60-140	ug/100 cm2
Aroclor-1260	5.000	6.054	121	60-140	ug/100 cm2

QC1005137 Surrogate	%REC	Limits
TCMX (PCB)	112	52-186
Decachlorobiphenyl (PCB)	106	60-140

Type: BSD **Batch#:** 294523 **Analysis:** EPA 8082

Lab ID: QC1005138 **Prepared:** 08/05/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/09/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1005138 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	5.877	118	60-140	ug/100 cm2	2	20
Aroclor-1260	5.000	6.148	123	60-140	ug/100 cm2	2	20

QC1005138 Surrogate	%REC	Limits
TCMX (PCB)	113	52-186
Decachlorobiphenyl (PCB)	107	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Lead

Lab #: 466745 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.3GW-PS-22-220802-L-G **Batch#:** 294328 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/02/22 **Analysis:** EPA 6010B
Lab ID: 466745-002 **Received:** 08/03/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/04/22
Diln Fac: 1.000 **Analyzed:** 08/04/22

466745-002 Analyte	Result	RL	Units
Lead	**91**	0.47	ug/ft2

Field ID: DOOR-N-0.3GW-EXT-8 TO 9-220802-L-CB **Batch#:** 294328 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/02/22 **Analysis:** EPA 6010B
Lab ID: 466745-005 **Received:** 08/03/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/04/22
Diln Fac: 1.000 **Analyzed:** 08/04/22

466745-005 Analyte	Result	RL	Units
Lead	**200**	0.50	ug/ft2

Field ID: DOOR-N-0.4GW-DG-8 TO 21-220802-L-LA **Batch#:** 294328 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/02/22 **Analysis:** EPA 6010B
Lab ID: 466745-007 **Received:** 08/03/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/04/22
Diln Fac: 1.000 **Analyzed:** 08/04/22

466745-007 Analyte	Result	RL	Units
Lead	**300**	0.49	ug/ft2

Field ID: DOOR-N-0.5GW-PS-22-220802-L-G **Batch#:** 294328 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/02/22 **Analysis:** EPA 6010B
Lab ID: 466745-010 **Received:** 08/03/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/04/22
Diln Fac: 1.000 **Analyzed:** 08/04/22

466745-010 Analyte	Result	RL	Units
Lead	**38**	0.47	ug/ft2

Field ID: DOOR-N-0.7GW-DG-9 TO 22-220802-L-LA **Batch#:** 294328 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/02/22 **Analysis:** EPA 6010B
Lab ID: 466745-012 **Received:** 08/03/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/04/22
Diln Fac: 1.000 **Analyzed:** 08/04/22

466745-012 Analyte	Result	RL	Units
Lead	**95**	0.49	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 466745 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-N-0.8GW-INT-21 TO 22-220802-L-CB **Batch#:** 294328 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/02/22 **Analysis:** EPA 6010B
Lab ID: 466745-014 **Received:** 08/03/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/04/22
Diln Fac: 1.000 **Analyzed:** 08/04/22

466745-014 Analyte	Result	RL	Units
Lead	**61**	0.50	ug/ft2

Field ID: DOOR-N-0.9GW-EXT-9 TO 10-220802-L-CB **Batch#:** 294328 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/02/22 **Analysis:** EPA 6010B
Lab ID: 466745-015 **Received:** 08/03/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/04/22
Diln Fac: 1.000 **Analyzed:** 08/04/22

466745-015 Analyte	Result	RL	Units
Lead	**37**	0.50	ug/ft2

Field ID: DOOR-N-0.9GW-EXT-9 TO 10-220802-L-DUP-CB **Batch#:** 294328 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/02/22 **Analysis:** EPA 6010B
Lab ID: 466745-016 **Received:** 08/03/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/04/22
Diln Fac: 1.000 **Analyzed:** 08/04/22

466745-016 Analyte	Result	RL	Units
Lead	**14**	0.50	ug/ft2

Field ID: ARCH-C1W-INT-2.5 TO 3.5-220802-L-WF **Batch#:** 294328 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/02/22 **Analysis:** EPA 6010B
Lab ID: 466745-017 **Received:** 08/03/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/04/22
Diln Fac: 1.000 **Analyzed:** 08/04/22

466745-017 Analyte	Result	RL	Units
Lead	**70**	0.50	ug/ft2

Field ID: ARCH-C1W-EXT-4 TO 5-220802-L-WF **Batch#:** 294328 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/02/22 **Analysis:** EPA 6010B
Lab ID: 466745-019 **Received:** 08/03/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/04/22
Diln Fac: 1.000 **Analyzed:** 08/04/22

466745-019 Analyte	Result	RL	Units
Lead	**200**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 466745 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type:	BLANK	**Batch#:**	294328	**Analysis:**	EPA 6010B
Lab ID:	QC1004537	**Prepared:**	08/04/22	**Analyst:**	SBW
Matrix:	Wipe	**Analyzed:**	08/04/22		
DiIn Fac:	1.000	**Prep:**	EPA 3050B		

QC1004537 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 466745 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 294328 **Analysis:** EPA 6010B

Lab ID: QC1004538 **Prepared:** 08/04/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 08/04/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1004538 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	105.5	106	80-120	ug/ft2

Type: BSD **Batch#:** 294328 **Analysis:** EPA 6010B

Lab ID: QC1004539 **Prepared:** 08/04/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 08/04/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1004539 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	105.1	105	80-120	ug/ft2	0	20

Legend

RPD: Relative Percent Difference

Attachment 4

ProUCL Input and Output Files

Attachment 4
Hangar 1 Data Summary Submittal for the Low Occupancy Area of Zone 1
ProUCL Lead Input File

Sample ID	LeadResults	d_LeadResults
DOOR-N-0.1GW-DG-13 TO 27-220615-DUP-LA	100	1
DOOR-N-0.9GW-INT-27 TO 15-220615-CB	98	1
DOOR-N-0.7GW-EXT-12 TO 13-220615-CB	85	1
DOOR-N-0.9GW-PS-26-220615-LA	76	1
DOOR-N-0.1GE-PS-26-220615-LA	260	1
DOOR-N-0.1GE-DG-14 TO 27-220615-LA	170	1
DOOR-N-0.9GE-PS-26-220615-LA	270	1
DOOR-N-0.3GW-DG-11 TO 25-220628-LA	50	1
DOOR-N-0.7GW-DG-11 TO 25-220628-LA	71	1
DOOR-N-0.5GE-INT-25 TO 26-220628-CB	190	1
DOOR-N-0.1GW-INT-26 TO 27-220628-CB	93	1
DOOR-N-0.2GW-EXT-10 TO 11-220628-CB	25	1
DOOR-N-0.3GW-INT-25 TO 26-220628-CB	110	1
DOOR-N-0.5GW-DG-12 TO 26-220628-LA	81	1
DOOR-N-0.7GW-EXT-11 TO 12-220628-CB	130	1
DOOR-N-0.9GW-INT-25 TO 26-220628-CB	280	1
DOOR-N-0.3GE-DG-12 TO 25-220628-LA	30	1
DOOR-N-0.5GE-DG-11 TO 25-220628-LA	33	1
DOOR-N-0.8GE-EXT-10 TO 11-220628-CB	23	1
DOOR-N-0.9GE-DG-12 TO 26-220628-LA	60	1
DOOR-N-0.9GE-PS-25-220628-LA	63	1
ARCH-C1W-EXT-2 TO 3-220721-DUP-WF	190	1
DOOR-N-0.1GW-DG-10 TO 23-220721-LA	230	1
DOOR-N-0.4GW-DG-10 TO 24-220721-G	170	1
DOOR-N-0.5GW-EXT-9 TO 10-220721-CB	96	1
DOOR-N-0.8GW-DG-10 TO 24-220721-G	93	1
DOOR-N-0.9GE-INT-23 TO 24-220721-CB	220	1
DOOR-N-0.8GE-DG-10 TO 24-220721-G	270	1
DOOR-N-0.5GE-EXT-9 TO 10-220721-CB	100	1
DOOR-N-0.4GE-DG-10 TO 24-220721-LA	170	1
DOOR-N-0.1GE-PS-23-220721-LA	170	1
ARCH-C1E-EXT-3 TO 4-220721-WF	43	1
DOOR-N-0.7GE-PS-23-220721-LA	160	1
ARCH-C1W-INT-2.5 TO 3.5-220802-WF	70	1
DOOR-N-0.2GW-INT-23 TO 24-220721-CB	690	1
DOOR-N-0.3GW-PS-23-220721-G	450	1
DOOR-N-0.6GW-DG-9 TO 23-220721-G	550	1
DOOR-N-0.9GW-EXT-9 TO 10-220802-CB	37	1
DOOR-N-0.3GE-PS-23-220721-G	130	1
ARCH-C1E-INT-2.5 TO 3.5-220721-WF	130	1

DOOR-N-0.2GE-EXT-9 TO 10-220721-CB	35	1
DOOR-N-0.3GE-PS-22-220802-G	100	1
DOOR-N-0.3GE-INT-22 TO 23-220802-CB	79	1
DOOR-N-0.4GE-DG-8 TO 21-220802-LA	70	1
DOOR-N-0.5GE-DG-8 TO 21-220802-LA	50	1
DOOR-N-0.8GE-PS-22-220802-G	130	1
DOOR-N-0.7GE-DG-9 TO 22-220802-LA	120	1
DOOR-N-0.8GE-EXT-7 TO 8-220802-CB	100	1
ARCH-C1E-EXT-4 TO 5-220802-WF	170	1
DOOR-N-0.3GW-PS-22-220802-G	91	1
DOOR-N-0.3GW-EXT-8 TO 9-220802-CB	200	1
DOOR-N-0.4GW-DG-8 TO 21-220802-LA	300	1
DOOR-N-0.5GW-PS-22-220802-G	38	1
DOOR-N-0.7GW-DG-9 TO 22-220802-LA	95	1
DOOR-N-0.8GW-INT-21 TO 22-220802-CB	61	1
ARCH-C1W-EXT-4 TO 5-220802-WF	200	1
DOOR-N-0.2GW-DG-7 TO 21-220623-LA	37	1
DOOR-N-0.3GW-DG-6 TO 20-220623-G	150	1
DOOR-N-0.4GW-EXT-6 TO 7-220623-CB	170	1
ARCH-C1W-PS-5.5-220623-G	120	1
ARCH-C1W-EXT-5 TO 6-220623-DUP-I	160	1
DOOR-N-0.1GW-DG-6 TO 19-220716-LA	73	1
DOOR-N-0.3GW-DG-5 TO 19-220716-LA	130	1
ARCH-C1W-PS-6.5-220716-G	110	1
DOOR-N-0.3GW-EXT-4 TO 5-220716-CB	100	1
DOOR-N-0.4GW-PS-19-220716-G	68	1
DOOR-N-0.2GW-PS-19-220716-G	89	1
ARCH-C1W-DG-6.5 TO 7-220716-FB	41	1
DOOR-N-0.7GW-PS-19-220815-G	4.2	1
DOOR-N-0.6GE-DG-5 TO 19-220805-LA	86	1
DOOR-N-0.7GE-PS-19-220815-G	4.6	1
DOOR-N-0.5GW-DG-7 TO 20-220805-LA	120	1
DOOR-N-0.8GW-EXT-5 TO 6-220805-CB	120	1
DOOR-N-0.9GW-PS-21-220805-G	150	1
DOOR-N-0.8GE-INT-20 TO 21-220805-DUP-CB	380	1
DOOR-N-0.9GE-PS-20-220805-G	180	1
DOOR-N-0.5GE-PS-21-220811-G	680	1
DOOR-N-0.2GE-DG-4 TO 18-220822-LA	68	1
DOOR-N-0.5GE-EXT-4 TO 5-220822-CB	50	1
ARCH-C1E-PS-6.5-220822-G	20	1
ARCH-C1E-INT-6.5 TO 7.5-220822-WF	20	1

DOOR-N-0.3GE-PS-20-220822-LA	29	1
DOOR-N-0.4GE-PS-20-220822-G	18	0
ARCH-C1E-EXT-5 TO 6-220822-WF	53	1
DOOR-N-0.2GE-PS-19-220822-G	26	1
DOOR-N-0.1GE-EXT-5 TO 6-220822-DUP-CB	130	1

Attachment 4
Hangar 1 Data Summary Submittal for the Low Occupancy Area of Zone 1
ProUCL Lead Output File

UCL Statistics for Data Sets with Non-Detects

User Selected Options

Date/Time of Computation	ProUCL 5.2 11/10/2022 4:30:10 PM
From File	Tabulated Wipe Sampling Data LO_b.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Lead Results

General Statistics			
Total Number of Observations	86	Number of Distinct Observations	56
Number of Detects	85	Number of Non-Detects	1
Number of Distinct Detects	55	Number of Distinct Non-Detects	1
Minimum Detect	4.2	Minimum Non-Detect	18
Maximum Detect	690	Maximum Non-Detect	18
Variance Detects	16301	Percent Non-Detects	1.163%
Mean Detects	135	SD Detects	127.7
Median Detects	100	CV Detects	0.946
Skewness Detects	2.579	Kurtosis Detects	8.016
Mean of Logged Detects	4.546	SD of Logged Detects	0.91

Normal GOF Test on Detects Only		
Shapiro Wilk Test Statistic	0.736	**Normal GOF Test on Detected Observations Only**
1% Shapiro Wilk P Value	0	Detected Data Not Normal at 1% Significance Level
Lilliefors Test Statistic	0.198	**Lilliefors GOF Test**
1% Lilliefors Critical Value	0.111	Detected Data Not Normal at 1% Significance Level
Detected Data Not Normal at 1% Significance Level		

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs			
KM Mean	133.5	KM Standard Error of Mean	13.77
90KM SD	127	95% KM (BCA) UCL	158.7
95% KM (t) UCL	156.4	95% KM (Percentile Bootstrap) UCL	155.9
95% KM (z) UCL	156.1	95% KM Bootstrap t UCL	163
90% KM Chebyshev UCL	174.8	95% KM Chebyshev UCL	193.5
97.5% KM Chebyshev UCL	219.5	99% KM Chebyshev UCL	270.5

Gamma GOF Tests on Detected Observations Only		
A-D Test Statistic	0.732	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.77	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.093	**Kolmogorov-Smirnov GOF**
5% K-S Critical Value	0.0987	Detected data appear Gamma Distributed at 5% Significance Level
Detected data appear Gamma Distributed at 5% Significance Level		

Gamma Statistics on Detected Data Only			
k hat (MLE)	1.538	k star (bias corrected MLE)	1.491
Theta hat (MLE)	87.79	Theta star (bias corrected MLE)	90.52
nu hat (MLE)	261.4	nu star (bias corrected)	253.5
Mean (detects)	135		

Attachment 4
Hangar 1 Data Summary Submittal for the Low Occupancy Area of Zone 1
ProUCL Lead Output File

Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)			
For such situations, GROS method may yield incorrect values of UCLs and BTVs			
This is especially true when the sample size is small.			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.01	Mean	133.4
Maximum	690	Median	100
SD	127.8	CV	0.957
k hat (MLE)	1.242	k star (bias corrected MLE)	1.206
Theta hat (MLE)	107.4	Theta star (bias corrected MLE)	110.6
nu hat (MLE)	213.6	nu star (bias corrected)	207.5
Adjusted Level of Significance (β)	0.0472		
Approximate Chi Square Value (207.49, α)	175.2	Adjusted Chi Square Value (207.49, β)	174.7
95% Gamma Approximate UCL	158.1	95% Gamma Adjusted UCL	158.5

Estimates of Gamma Parameters using KM Estimates			
Mean (KM)	133.5	SD (KM)	127
Variance (KM)	16118	SE of Mean (KM)	13.77
k hat (KM)	1.105	k star (KM)	1.075
nu hat (KM)	190.1	nu star (KM)	184.8
theta hat (KM)	120.8	theta star (KM)	124.2
80% gamma percentile (KM)	213.5	90% gamma percentile (KM)	301.9
95% gamma percentile (KM)	389.9	99% gamma percentile (KM)	593

Gamma Kaplan-Meier (KM) Statistics			
Approximate Chi Square Value (184.82, α)	154.4	Adjusted Chi Square Value (184.82, β)	153.9
95% KM Approximate Gamma UCL	159.8	95% KM Adjusted Gamma UCL	160.3

Lognormal GOF Test on Detected Observations Only		
Shapiro Wilk Approximate Test Statistic	0.959	**Shapiro Wilk GOF Test**
10% Shapiro Wilk P Value	0.0325	Detected Data Not Lognormal at 10% Significance Level
Lilliefors Test Statistic	0.0893	**Lilliefors GOF Test**
10% Lilliefors Critical Value	0.0881	Detected Data Not Lognormal at 10% Significance Level
Detected Data Not Lognormal at 10% Significance Level		

Lognormal ROS Statistics Using Imputed Non-Detects			
Mean in Original Scale	133.6	Mean in Log Scale	4.523
SD in Original Scale	127.6	SD in Log Scale	0.93
95% t UCL (assumes normality of ROS data)	156.5	95% Percentile Bootstrap UCL	156.7
95% BCA Bootstrap UCL	159.4	95% Bootstrap t UCL	161.6
95% H-UCL (Log ROS)	176.8		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution			
KM Mean (logged)	4.51	KM Geo Mean	90.97
KM SD (logged)	0.958	95% Critical H Value (KM-Log)	2.199
KM Standard Error of Mean (logged)	0.104	95% H-UCL (KM -Log)	180.9
KM SD (logged)	0.958	95% Critical H Value (KM-Log)	2.199

DL/2 Statistics			
DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	133.5	Mean in Log Scale	4.519
SD in Original Scale	127.6	SD in Log Scale	0.94
95% t UCL (Assumes normality)	156.4	95% H-Stat UCL	178.2
DL/2 is not a recommended method, provided for comparisons and historical reasons			

Nonparametric Distribution Free UCL Statistics
Detected Data appear Gamma Distributed at 5% Significance Level

Suggested UCL to Use			
95% KM Approximate Gamma UCL	159.8	95% GROS Approximate Gamma UCL	158.1

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness using results from simulation studies.
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

UCL Statistics for Data Sets with Non-Detects

User Selected Options

Date/Time of Computation	ProUCL 5.2 11/10/2022 5:07:09 PM
From File	Tabulated Wipe Sampling Data LO_e.xls
Full Precision	OFF
Confidence Coefficient	95%
umber of Bootstrap Operations	2000

Aroclor 1016

General Statistics			
Total Number of Observations	90	Number of Distinct Observations	1
Number of Detects	0	Number of Non-Detects	90
Number of Distinct Detects	0	Number of Distinct Non-Detects	1

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Aroclor1016 was not processed!

Aroclor 1221

General Statistics			
Total Number of Observations	90	Number of Distinct Observations	1
Number of Detects	0	Number of Non-Detects	90
Number of Distinct Detects	0	Number of Distinct Non-Detects	1

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Aroclor1221 was not processed!

Aroclor 1232

General Statistics			
Total Number of Observations	90	Number of Distinct Observations	1
Number of Detects	0	Number of Non-Detects	90
Number of Distinct Detects	0	Number of Distinct Non-Detects	1

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Aroclor1232 was not processed!

Aroclor 1242

General Statistics			
Total Number of Observations	90	Number of Distinct Observations	1
Number of Detects	0	Number of Non-Detects	90
Number of Distinct Detects	0	Number of Distinct Non-Detects	1

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Aroclor1242 was not processed!

Aroclor 1248

General Statistics			
Total Number of Observations	90	Number of Distinct Observations	1
Number of Detects	0	Number of Non-Detects	90
Number of Distinct Detects	0	Number of Distinct Non-Detects	1

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Aroclor1248 was not processed!

Aroclor 1254

General Statistics			
Total Number of Observations	90	Number of Distinct Observations	1
Number of Detects	0	Number of Non-Detects	90
Number of Distinct Detects	0	Number of Distinct Non-Detects	1

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Aroclor1254 was not processed!

Aroclor 1260

General Statistics			
Total Number of Observations	90	Number of Distinct Observations	1
Number of Detects	0	Number of Non-Detects	90
Number of Distinct Detects	0	Number of Distinct Non-Detects	1

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Aroclor1260 was not processed!

Aroclor 1262

General Statistics			
Total Number of Observations	90	Number of Distinct Observations	1
Number of Detects	0	Number of Non-Detects	90
Number of Distinct Detects	0	Number of Distinct Non-Detects	1

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Aroclor1262 was not processed!

Aroclor 1268

General Statistics			
Total Number of Observations	90	Number of Distinct Observations	1
Number of Detects	0	Number of Non-Detects	90
Number of Distinct Detects	0	Number of Distinct Non-Detects	1

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Aroclor1268 was not processed!

Attachment 5

Data Validation Reports

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Rincon Consultants, Inc.
250 E. 1st Street Suite 1400
Los Angeles, CA - 90012
ATTN: Mr. Ryan Thacher
rthacher@rinconconsultants.com

April 10, 2023

SUBJECT: Hangar 1 NTCRA - Data Validation

Dear Mr. Thacher,

Enclosed are the final validation reports for the fraction listed below. These SDGs were received on August 2, 2022. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #54592 RV6:

SDG #	Fraction
465921, 465924, 465944, 466145, 466154	Polychlorinated Biphenyls, Lead

The data validation was performed under Stage 2A guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020)
- USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
Project Manager/Senior Chemist
pgeng@lab-data.com

143 pages-ADV EDD

Attachment 1

Stage 2A/3 (client select) **LDC# 54592 (Rincon Consultants, Inc., Los Angeles, CA / NTCRA Mockup Investigation)** **Project# 20-10491**

LDC	SDG#	DATE REC'D	(3) DATE DUE	PCBs (8082)		Pb (6010B)																															
Matrix: Water/Soil/Wipe				W	WP	W	WP	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	465921	08/02/22	08/23/22	0	13	0	13																														
B	465924	08/02/22	08/23/22	0	2	0	2																														
C	465944	08/02/22	08/23/22	0	10	0	10																														
D	466145	08/02/22	08/23/22	0	14	0	14																														
E	466154	08/02/22	08/23/22	0	9	0	9																														
Total	T/PG			0	48	0	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	96

Shaded cells indicate Stage 3 validation (all other cells are Stage 2A validation). Sample counts do not include MS, MSD, and DUP's. V:\LOGIN\Rincon\Moffett Field, Hanger 1 NTCRA\54592ST-Wipe.wpd

LDC Report# 54592_RV5

Automated Data Review Data Validation Report
Hangar 1 NTCRA

Sample Delivery Groups

465921
465924
465944
466145
466154

April 7, 2023

Introduction

This Data Validation Report (DVR) presents Stage 2A and Stage 3 data validation results for samples collected during the July 2022 sampling period. Data validation was performed in accordance with a modified outline of the US Environmental Protection Agency (EPA) National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020) and USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Polychlorinated Biphenyls (PCBs) by EPA SW 846 Method 8082
Lead by EPA SW 846 Method 6010B

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary results. Selected samples were subjected to Stage 3 data validation as indicated on the Sample Summary Report. Stage 3 data validation is comprised of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

NJ Presumptive evidence of presence of the compound at an estimated quantity.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Initial Calibration and Initial Calibration Verification

8082
The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all analytes.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 20.0% for all analytes.

Initial calibration data were not reviewed for Stage 2A validation.

6010B
An initial calibration was performed as required by the method.

The initial calibration verification (ICV) standards were within QC limits.

Initial calibration data were not reviewed for Stage 2A validation.

Continuing Calibration

8082
Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all analytes.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

Continuing calibration data were not reviewed for Stage 2A validation.

6010B
Continuing calibrations were performed as required by the method.

The continuing calibration verification (CCV) standards were within QC limits.

Continuing calibration data were not reviewed for Stage 2A validation.

ICP Interference Check Sample Analysis

6010B
The frequency of interference check sample (ICS) analysis was met. All criteria were within QC limits.

Interference check sample (ICS) analysis data were not reviewed for Stage 2A validation.

Laboratory Blanks

Laboratory blanks were performed as required by the methods. No contaminants were detected in the laboratory blanks.

Field Blanks

8082
Three media blanks were collected and analyzed. No contaminants were found.

6010B
Three media blanks were collected and analyzed. Two media blanks had detections for lead. The associated sample results were not detected or were significantly greater than the concentrations found in the media blank, therefore no data were qualified. The details are presented in Enclosure I.

Surrogate Spikes

8082
Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits with the exception of six samples. No data were qualified due to high %Rs when the associated results were non-detected. The details regarding the qualification of data are presented in Enclosure I.

Internal Standards

8082
All internal standard areas and retention times were within QC limits.

Internal standard data were not reviewed for Stage 2A validation.

Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for these methods, and therefore matrix spike and matrix spike duplicate analyses were not performed. The lack of MS/MSD samples for wipe samples is consistent with the UFP-QAPP for the Hangar 1 NTCRA (EKI, 2022).

Duplicate Sample Analysis

6010B
The laboratory has indicated that there were no laboratory duplicate (DUP) analyses specified for this method, and therefore laboratory duplicate analyses were not performed. The lack of laboratory duplicate samples is consistent with the UFP-QAPP for the Hangar 1 NTCRA (EKI, 2022).

Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed as required by the methods. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

Field Duplicates

8082
Five field duplicate pairs were collected and analyzed. No results were detected in the field duplicates. The field duplicates are identified in Attachment 1.

6010B
Five field duplicate pairs were collected and analyzed. All RPDs were within QC limits. The field duplicate result comparisons are presented in Enclosure I.

Target Analyte Quantitation

The laboratory reporting limits were evaluated. While the reporting limits were not achieved in accordance with the UFP-QAPP, the achieved reporting limits are acceptable with respect to the Cleanup Goals(EKI, 2022).

Overall Assessment of Data

The analyses were conducted within all specifications of the methods. No results were rejected in these SDGs.

Data flags are summarized and are presented as Attachment 2.

Attachment 1

Sample Summary Report by Analysis Method

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 465921						
Method: 6010B						
220718-L-MEDBLANK	465921-021	WIPE	FB	3050B	7/18/2022	S2AVE
AFRAME-C1W-LAT-L2-INT-0.5 TO 1-220718-L-FB	465921-016	WIPE	N	3050B	7/18/2022	S2AVE
AFRAME-C1W-MED-L2-EXT-0 TO 1-220718-L-DUP-WF	465921-019	WIPE	FD	3050B	7/18/2022	S2AVE
AFRAME-C1W-MED-L2-EXT-0 TO 1-220718-L-WF	465921-018	WIPE	N	3050B	7/18/2022	S2AVE
DOOR-N-0.2GW-DG-3 TO 17-220718-L-LA	465921-003	WIPE	N	3050B	7/18/2022	S2AVE
DOOR-N-0.2GW-PS-16-220718-L-LA	465921-005	WIPE	N	3050B	7/18/2022	S2AVE
DOOR-N-0.2GW-PS-17-220718-L-G	465921-007	WIPE	N	3050B	7/18/2022	S2AVE
DOOR-N-0.3GW-INT-16 TO 17-220718-L-CB	465921-011	WIPE	N	3050B	7/18/2022	S2AVE
DOOR-N-0.3GW-INT-16 TO 17-220718-L-DUP-CB	465921-012	WIPE	FD	3050B	7/18/2022	S2AVE
DOOR-N-0.3GW-PS-17-220718-L-LA	465921-009	WIPE	N	3050B	7/18/2022	S2AVE
DOOR-N-0.4GW-EXT-2 TO 3-220718-L-CB	465921-026	WIPE	N	3050B	7/18/2022	S2AVE
DOOR-N-0.4GW-PS-16-220718-L-LA	465921-023	WIPE	N	3050B	7/18/2022	S2AVE
DOOR-N-0.4GW-PS-17-220718-L-G	465921-014	WIPE	N	3050B	7/18/2022	S2AVE
Method: 8082						
220718-P-MEDBLANK	465921-020	WIPE	FB	3572M	7/18/2022	S2AVE
AFRAME-C1W-LAT-L2-INT-0.5 TO 1-220718-P-FB	465921-015	WIPE	N	3572M	7/18/2022	S2AVE
AFRAME-C1W-MED-L2-EXT-0 TO 1-220718-P-WF	465921-017	WIPE	N	3572M	7/18/2022	S2AVE
DOOR-N-0.2GW-DG-3 TO 17-220718-P-DUP-LA	465921-002	WIPE	FD	3572M	7/18/2022	S2AVE
DOOR-N-0.2GW-DG-3 TO 17-220718-P-LA	465921-001	WIPE	N	3572M	7/18/2022	S2AVE
DOOR-N-0.2GW-PS-16-220718-P-LA	465921-004	WIPE	N	3572M	7/18/2022	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Method: 8082						
DOOR-N-0.2GW-PS-17-220718-P-G	465921-006	WIPE	N	3572M	7/18/2022	S2AVE
DOOR-N-0.3GW-INT-16 TO 17-220718-P-CB	465921-010	WIPE	N	3572M	7/18/2022	S2AVE
DOOR-N-0.3GW-PS-17-220718-P-LA	465921-008	WIPE	N	3572M	7/18/2022	S2AVE
DOOR-N-0.4GW-EXT-2 TO 3-220718-P-CB	465921-024	WIPE	N	3572M	7/18/2022	S2AVE
DOOR-N-0.4GW-EXT-2 TO 3-220718-P-DUP-CB	465921-025	WIPE	FD	3572M	7/18/2022	S2AVE
DOOR-N-0.4GW-PS-16-220718-P-LA	465921-022	WIPE	N	3572M	7/18/2022	S2AVE
DOOR-N-0.4GW-PS-17-220718-P-G	465921-013	WIPE	N	3572M	7/18/2022	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 465924						
Method: 6010B						
DOOR-N-0.1GW-DG-3 TO 16-220718-L-LA	465924-002	WIPE	N	3050B	7/18/2022	S3VEM
DOOR-N-0.2GW-EXT-3 TO 4-220718-L-CB	465924-004	WIPE	N	3050B	7/18/2022	S3VEM
Method: 8082						
DOOR-N-0.1GW-DG-3 TO 16-220718-P-LA	465924-001	WIPE	N	3572M	7/18/2022	S3VEM
DOOR-N-0.2GW-EXT-3 TO 4-220718-P-CB	465924-003	WIPE	N	3572M	7/18/2022	S3VEM

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 465944						
Method: 6010B						
220719-L-MEDBLANK	465944-020	WIPE	FB	3050B	7/19/2022	S2AVE
AFRAME-C1W-LAT-L1-EXT-1 TO 2-220719-L-DUP-WF	465944-018	WIPE	FD	3050B	7/19/2022	S2AVE
AFRAME-C1W-LAT-L1-EXT-1 TO 2-220719-L-WF	465944-017	WIPE	N	3050B	7/19/2022	S2AVE
AFRAME-C1W-MED-L1-INT-2 TO 3-220719-L-FB	465944-015	WIPE	N	3050B	7/19/2022	S2AVE
DOOR-N-0.1GW-DG-2 TO 16-220719-L-LA	465944-005	WIPE	N	3050B	7/19/2022	S2AVE
DOOR-N-0.1GW-INT-1 TO 16-220719-L-CB	465944-002	WIPE	N	3050B	7/19/2022	S2AVE
DOOR-N-0.2GW-EXT-1 TO 2-220719-L-CB	465944-007	WIPE	N	3050B	7/19/2022	S2AVE
DOOR-N-0.3GW-DG-2 TO 16-220719-L-LA	465944-009	WIPE	N	3050B	7/19/2022	S2AVE
DOOR-N-0.3GW-INT-1 TO 16-220719-L-CB	465944-011	WIPE	N	3050B	7/19/2022	S2AVE
DOOR-N-0.4GW-EXT-1 TO 2-220719-L-CB	465944-013	WIPE	N	3050B	7/19/2022	S2AVE
Method: 8082						
220719-P-MEDBLANK	465944-019	WIPE	FB	3572M	7/19/2022	S2AVE
AFRAME-C1W-LAT-L1-EXT-1 TO 2-220719-P-WF	465944-016	WIPE	N	3572M	7/19/2022	S2AVE
AFRAME-C1W-MED-L1-INT-2 TO 3-220719-P-FB	465944-014	WIPE	N	3572M	7/19/2022	S2AVE
DOOR-N-0.1GW-DG-2 TO 16-220719-P-DUP-LA	465944-004	WIPE	FD	3572M	7/19/2022	S2AVE
DOOR-N-0.1GW-DG-2 TO 16-220719-P-LA	465944-003	WIPE	N	3572M	7/19/2022	S2AVE
DOOR-N-0.1GW-INT-1 TO 16-220719-P-CB	465944-001	WIPE	N	3572M	7/19/2022	S2AVE
DOOR-N-0.2GW-EXT-1 TO 2-220719-P-CB	465944-006	WIPE	N	3572M	7/19/2022	S2AVE
DOOR-N-0.3GW-DG-2 TO 16-220719-P-LA	465944-008	WIPE	N	3572M	7/19/2022	S2AVE
DOOR-N-0.3GW-INT-1 TO 16-220719-P-CB	465944-010	WIPE	N	3572M	7/19/2022	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Method: 8082						
DOOR-N-0.4GW-EXT-1 TO 2-220719-P-CB	465944-012	WIPE	N	3572M	7/19/2022	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 466145						
Method: 6010B						
220721-L-MEDBLANK	466145-026	WIPE	FB	3050B	7/21/2022	S2AVE
ARCH-C1E-EXT-3 TO 4-220721-L-WF	466145-024	WIPE	N	3050B	7/21/2022	S2AVE
ARCH-C1W-EXT-2 TO 3-220721-L-DUP-WF	466145-003	WIPE	FD	3050B	7/21/2022	S2AVE
ARCH-C1W-EXT-2 TO 3-220721-L-WF	466145-002	WIPE	N	3050B	7/21/2022	S2AVE
DOOR-N-0.1GE-PS-23-220721-L-LA	466145-022	WIPE	N	3050B	7/21/2022	S2AVE
DOOR-N-0.1GW-DG-10 TO 23-220721-L-LA	466145-005	WIPE	N	3050B	7/21/2022	S2AVE
DOOR-N-0.4GE-DG-10 TO 24-220721-L-LA	466145-020	WIPE	N	3050B	7/21/2022	S2AVE
DOOR-N-0.4GW-DG-10 TO 24-220721-L-G	466145-007	WIPE	N	3050B	7/21/2022	S2AVE
DOOR-N-0.5GE-EXT-9 TO 10-220721-L-CB	466145-017	WIPE	N	3050B	7/21/2022	S2AVE
DOOR-N-0.5GW-EXT-9 TO 10-220721-L-CB	466145-009	WIPE	N	3050B	7/21/2022	S2AVE
DOOR-N-0.7GE-PS-23-220721-L-LA	466145-028	WIPE	N	3050B	7/21/2022	S2AVE
DOOR-N-0.8GE-DG-10 TO 24-220721-L-G	466145-015	WIPE	N	3050B	7/21/2022	S2AVE
DOOR-N-0.8GW-DG-10 TO 24-220721-L-G	466145-011	WIPE	N	3050B	7/21/2022	S2AVE
DOOR-N-0.9GE-INT-23 TO 24-220721-L-CB	466145-013	WIPE	N	3050B	7/21/2022	S2AVE
Method: 8082						
220721-P-MEDBLANK	466145-025	WIPE	FB	3572M	7/21/2022	S2AVE
ARCH-C1E-EXT-3 TO 4-220721-P-WF	466145-023	WIPE	N	3572M	7/21/2022	S2AVE
ARCH-C1W-EXT-2 TO 3-220721-P-WF	466145-001	WIPE	N	3572M	7/21/2022	S2AVE
DOOR-N-0.1GE-PS-23-220721-P-LA	466145-021	WIPE	N	3572M	7/21/2022	S2AVE
DOOR-N-0.1GW-DG-10 TO 23-220721-P-LA	466145-004	WIPE	N	3572M	7/21/2022	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Method: 8082						
DOOR-N-0.4GE-DG-10 TO 24-220721-P-DUP-LA	466145-019	WIPE	FD	3572M	7/21/2022	S2AVE
DOOR-N-0.4GE-DG-10 TO 24-220721-P-LA	466145-018	WIPE	N	3572M	7/21/2022	S2AVE
DOOR-N-0.4GW-DG-10 TO 24-220721-P-G	466145-006	WIPE	N	3572M	7/21/2022	S2AVE
DOOR-N-0.5GE-EXT-9 TO 10-220721-P-CB	466145-016	WIPE	N	3572M	7/21/2022	S2AVE
DOOR-N-0.5GW-EXT-9 TO 10-220721-P-CB	466145-008	WIPE	N	3572M	7/21/2022	S2AVE
DOOR-N-0.7GE-PS-23-220721-P-LA	466145-027	WIPE	N	3572M	7/21/2022	S2AVE
DOOR-N-0.8GE-DG-10 TO 24-220721-P-G	466145-014	WIPE	N	3572M	7/21/2022	S2AVE
DOOR-N-0.8GW-DG-10 TO 24-220721-P-G	466145-010	WIPE	N	3572M	7/21/2022	S2AVE
DOOR-N-0.9GE-INT-23 TO 24-220721-P-CB	466145-012	WIPE	N	3572M	7/21/2022	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 466154						
Method: 6010B						
ARCH-C1E-INT-2.5 TO 3.5-220721-L-WF	466154-016	WIPE	N	3050B	7/21/2022	S2AVE
ARCH-C1W-INT-2.5 TO 3.5-220721-L-WF	466154-002	WIPE	N	3050B	7/21/2022	S2AVE
DOOR-N-0.2GE-EXT-9 TO 10-220721-L-CB	466154-018	WIPE	N	3050B	7/21/2022	S2AVE
DOOR-N-0.2GW-INT-23 TO 24-220721-L-CB	466154-004	WIPE	N	3050B	7/21/2022	S2AVE
DOOR-N-0.3GE-PS-23-220721-L-G	466154-014	WIPE	N	3050B	7/21/2022	S2AVE
DOOR-N-0.3GW-PS-23-220721-L-G	466154-006	WIPE	N	3050B	7/21/2022	S2AVE
DOOR-N-0.6GW-DG-9 TO 23-220721-L-G	466154-009	WIPE	N	3050B	7/21/2022	S2AVE
DOOR-N-0.9GW-EXT-9 TO 10-220721-L-CB	466154-011	WIPE	N	3050B	7/21/2022	S2AVE
DOOR-N-0.9GW-EXT-9 TO 10-220721-L-DUP-CB	466154-012	WIPE	FD	3050B	7/21/2022	S2AVE
Method: 8082						
ARCH-C1E-INT-2.5 TO 3.5-220721-P-WF	466154-015	WIPE	N	3572M	7/21/2022	S2AVE
ARCH-C1W-INT-2.5 TO 3.5-220721-P-WF	466154-001	WIPE	N	3572M	7/21/2022	S2AVE
DOOR-N-0.2GE-EXT-9 TO 10-220721-P-CB	466154-017	WIPE	N	3572M	7/21/2022	S2AVE
DOOR-N-0.2GW-INT-23 TO 24-220721-P-CB	466154-003	WIPE	N	3572M	7/21/2022	S2AVE
DOOR-N-0.3GE-PS-23-220721-P-G	466154-013	WIPE	N	3572M	7/21/2022	S2AVE
DOOR-N-0.3GW-PS-23-220721-P-G	466154-005	WIPE	N	3572M	7/21/2022	S2AVE
DOOR-N-0.6GW-DG-9 TO 23-220721-P-DUP-G	466154-008	WIPE	FD	3572M	7/21/2022	S2AVE
DOOR-N-0.6GW-DG-9 TO 23-220721-P-G	466154-007	WIPE	N	3572M	7/21/2022	S2AVE
DOOR-N-0.9GW-EXT-9 TO 10-220721-P-CB	466154-010	WIPE	N	3572M	7/21/2022	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (10/5/2022) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*

Validation Label Legend

Label Code	*Label Decription*	*EPA Level*
S1VE	Stage_1_Validation_Electronic	N/A
S1VM	Stage_1_Validation_Manual	N/A
S1VEM	Stage_1_Validation_Electronic_and_Manual	N/A
S2AVE	Stage_2A_Validation_Electronic	Level 3 w/o calibration
S2AVM	Stage_2A_Validation_Manual	Level 3 w/o calibration
S2AVEM	Stage_2A_Validation_Electronic_and_Manual	Level 3 w/o calibration
S2BVE	Stage_2B_Validation_Electronic	Level 3 with calibration
S2BVM	Stage_2B_Validation_Manual	Level 3 with calibration
S2BVEM	Stage_2B_Validation_Electronic_and_Manual	Level 3 with calibration
S3VE	Stage_3_Validation_Electronic	Level 4
S3VM	Stage_3_Validation_Manual	Level 4
S3VEM	Stage_3_Validation_Electronic_and_Manual	Level 4
S4VE	Stage_4_Validation_Electronic	Level 4
S4VM	Stage_4_Validation_Manual	Level 4
S4VEM	Stage_4_Validation_Electronic_and_Manual	Level 4
NV	Not_Validated	N/A

Attachment 2

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: 465921

Laboratory: Enthalpy Orange

EDD Filename: Prep465921

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 465924
Laboratory: Enthalpy Orange
EDD Filename: Prep465924
eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 465944
Laboratory: Enthalpy Orange
EDD Filename: Prep465944
eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 466145
EDD Filename: Prep466145

Laboratory: Enthalpy Orange
eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 466154

Laboratory: Enthalpy Orange

EDD Filename: Prep466154

eQAPP Name:

No Data Review Qualifiers Applied.

Enclosure I

Validation Outlier Reports

Quality Control
Outlier Reports

465921

(No Outliers)

LDC #: 54592A3b

SDG #: 465921

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

ADR2

Date: 8/25/2022

Page: 1 of 1

Reviewer: GN

2nd Reviewer: AB

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Initial calibration/ICV	N/N	
III.	Continuing calibration	N	
IV.	Laboratory Blanks	A	
V.	Field blanks	~~ND~~	FB= 10
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	
IX.	Field duplicates	ND	FD= 2/1, 13/12
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.2GW-DG3 TO 17-220718-P-LA	465921-001	Wipe	07/18/22
2	DOOR-N-0.2GW-DG3 TO 17-220718-P-DUP-LA	465921-002	Wipe	07/18/22
3	DOOR-N-0.2GW-PS-16-220718-P-LA	465921-004	Wipe	07/18/22
4	DOOR-N-0.2GW-PS-17-220718-P-G	465921-006	Wipe	07/18/22
5	DOOR-N-0.3GW-PS-17-220718-P-LA	465921-008	Wipe	07/18/22
6	DOOR-N-0.3GW-INT-16-TO 17-220718-P-CB	465921-010	Wipe	07/18/22
7	DOOR-N-0.4GW-PS-17-220718-P-G	465921-013	Wipe	07/18/22
8	AFRAME-C1W-LAT-L2-INT-0.5 TO 1-220718-P-FB	465921-015	Wipe	07/18/22
9	AFRAME-C1W-MED-L2-EXT-0 TO 1-220718-P-WF	465921-017	Wipe	07/18/22
10	220718-P-MEDBLANK	465921-020	Wipe	07/18/22
11	DOOR-N-0.4GW-PS-16-220718-P-LA	465921-022	Wipe	07/18/22
12	DOOR-N-0.4GW-EXT-2 TO3-220718-P-CB	465921-024	Wipe	07/18/22
13	DOOR-N-0.4GW-EXT-2 TO3-220718-P-DUP-CB	465921-025	Wipe	07/18/22
14				

Notes:

LDC #: 54592A4b

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 9/25/2022

SDG #: 465921

Page: 1 of 1

Laboratory: Enthalpy Analytical, Orange, CA

Reviewer: BN

2nd Reviewer: [illegible]

ADR

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	A	
V.	Field Blanks	ND	FB = 11
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	
X.	Field Duplicates	~~NB~~	FD = 6/5, 10/9, Detect no qual
XI.	Target Analyte Quantitation	N	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.2GW-DG3 TO 17-220718-L-LA	465921-003	Wipe	07/18/22
2	DOOR-N-0.2GW-PS-16-220718-L-LA	465921-005	Wipe	07/18/22
3	DOOR-N-0.2GW-PS-17-220718-L-G	465921-007	Wipe	07/18/22
4	DOOR-N-0.3GW-PS-17-220718-L-LA	465921-009	Wipe	07/18/22
5	DOOR-N-0.3GW-INT-16-TO 17-220718-L-CB	465921-011	Wipe	07/18/22
6	DOOR-N-0.3GW-INT-16-TO 17-220718-L-DUP-CB	465921-012	Wipe	07/18/22
7	DOOR-N-0.4GW-PS-17-220718-L-G	465921-014	Wipe	07/18/22
8	AFRAME-C1W-LAT-L2-INT-0.5 TO 1-220718-L-FB	465921-016	Wipe	07/18/22
9	AFRAME-C1W-MED-L2-EXT-0 TO 1-220718-L-WF	465921-018	Wipe	07/18/22
10	AFRAME-C1W-MED-L2-EXT-0 TO 1-220718-L-DUP-WF	465921-019	Wipe	07/18/22
11	220718-L-MEDBLANK	465921-021	Wipe	07/18/22
12	DOOR-N-0.4GW-PS-16-220718-L-LA	465921-023	Wipe	07/18/22
13	DOOR-N-0.4GW-EXT-2 TO3-220718-L-CB	465921-026	Wipe	07/18/22
14				
15				

Notes:

Field Duplicate RPD Report

Lab Reporting Batch ID: 465921 **Laboratory: Enthalpy Orange**

EDD Filename: Prep465921 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	DOOR-N-0.3GW-INT-16 TO 17-220718-	DOOR-N-0.3GW-INT-16 TO 17-220718-L-DUP-			
LEAD	32	51	46	100.00	No Qualifiers Applied

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	AFRAME-C1W-MED-L2-EXT-0 TO 1-220718-	AFRAME-C1W-MED-L2-EXT-0 TO 1-220718-			
LEAD	42	61	37	100.00	No Qualifiers Applied

Quality Control
Outlier Reports

465924

(No Outliers)

LDC #: 54592B3b

SDG #: 465924

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 3

Date: 8/24/22

Page: 1 of 1

Reviewer: [illegible]

2nd Reviewer: [illegible]

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Initial calibration/ICV	A/A	%RSD/ICV ≤ 20
III.	Continuing calibration	A	CCV ≤ 20
IV.	Laboratory Blanks	A	
V.	Field blanks	N	
VI.	Surrogate spikes /13	A/A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	LCS ID
IX.	Field duplicates	N	
X.	Target analyte quantitation	A	
XI.	Target analyte identification	A	
XII	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.1GW-DG-3 TO 16-220718-P-LA	465924-001	Wipe	07/18/22
2	DOOR-N-0.2GW-EXT-3 TO 4-220718-P-CB	465924-003	Wipe	07/18/22
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				

Notes:

	293716						

IS = 1-bromo-2-nitrobenzene

LDC #: 54592B3b

VALIDATION FINDINGS CHECKLIST

Reviewer: FT

Method: ✓ GC HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
IIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥0.990?			✓	
Were the RT windows properly established?	✓			
IIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
Were all the retention times within the acceptance windows?	✓			
IV. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
V. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	
VI. Surrogate spikes				
Were all surrogate percent recovery (%R) within the QC limits?	✓			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
VIII. Laboratory control samples				
Was an LCS analyzed per analytical or extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			

Validation Area	Yes	No	NA	Findings/Comments
IX. Field duplicates				
Were field duplicate pairs identified in this SDG?		/		
Were target analytes detected in the field duplicates?			/	
X. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	/			
Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	/			
XI. Target analyte identification				
Were the retention times of reported detects within the RT windows?	/			
Were manual integrations reviewed and found acceptable?	/			
Did the laboratory provide before and after integration printouts?	/			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	/			

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes:_____

LDC #: 54592B3b

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 1
Reviewer: FT
2nd Reviewer: [illegible]

METHOD: GC ✓ HPLC ____

The calibration factors (CF) and relative standard deviation (%RSD) were recalculated using the following calculations:

CF = A/C
Average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where: A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported CF (50.0 std)	Recalculated CF (50.0 std)	Reported CF (initial)	Recalculated CF (intial)	Reported %RSD	Recalculated %RSD
1	ICAL	7/27/22	Aroclor 1260-1 (A)	0.0338	0.0338	0.0410	0.0410	12	12
			(B)	0.0471	0.0471	0.0567	0.0567	16	16
2									
3									
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54592B3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the target analytes identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of target analyte
C = Concentration of target analyte

#	Standard ID	Calibration Date	Target Analyte	Average CF(Ical)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1	ccv	7/27/22 1101	Aroclor 1260 - ChA	500.0	526.6	526.6	5	5
			↓ ChB	500.0	492.4	492.4	2	2
2								
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54592B3b

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: ✓ GC ___ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
TCMX	ch B	1.0	0.670	67	67	0
DCB	✓	1.0	0.634	63	63	0

Sample ID:

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene	Y	Tetrachloro-m- xylene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene	Z	2-Bromonaphthalene
C	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decachlorobiphenyl (DCB)	U	Tripentyltin	AA	Chloro-octadecane
D	Bromochlorobenene	J	n-Triacontane	P	1-methylnaphthalene	V	Tri-n-propyltin	BB	2,4-Dichlorophenylacetic acid
E	1,4-Dichlorobutane	K	Hexacosane	Q	Dichlorophenyl Acetic Acid (DCAA)	W	Tributyl Phosphate	CC	2,5-Dibromotoluene
F	1,4-Difluorobenzene (DFB)	L	Bromobenzene	R	4-Nitrophenol	X	Triphenyl Phosphate		

LDC #: 54592B3b

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: ✓ GC __HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the target analytes identified below using the following calculation:

%Recovery = 100 * (SSC/SA)
RPD =(((SSCLCS - SSCLCSD) * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration
LCS = Laboratory Control Sample
SA = Spike added
LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: 293716 LCSD

Compound	Spike Added (ug/100cm2)		Spike Sample Concentration (ug/100cm2)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1260	5.0	5.0	4.397	3.792	88	88	76	76	15	15

Comments: _____

LDC #: 91592B3b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT

METHOD: ✓ GC __ HPLC

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

Concentration= $\frac{(A)(Fv)(Df)}{(RF)(Vs \text{ or } Ws)(\%S/100)}$

A= Area or height of the target analyte to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the target analyte in the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. 293716-LCS Aroclor 1260

Concentration = $\frac{(439.69)(10)}{(1000)}$ =

4.3969

#	Sample ID	Target analyte	Reported Concentrations (ug/100cm²) 2	Recalculated Results Concentrations (ug/100cm²) 2	Qualifications
	LCS	Aroclor 1260	4.397	4.3969	
	1260-1 = 5772254.72 (20)		= 418.76	1260-1 =	418.76
	4862879.23 (0.0567)			2	453.6
				3	419.1
				4	445.3
				5	461.7
					439.69

Comments: _____

LDC #: 54592B4b

SDG #: 465924

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 3

Date: 8/23/22

Page: 1 of 1

Reviewer: ATV

2nd Reviewer: (AV)

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	A	
IV.	Laboratory Blanks	A	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	C,S
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	N	
XI.	Target Analyte Quantitation	A	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.1GW-DG-3 TO 16-220718-L-LA	465924-002	Wipe	07/18/22
2	DOOR-N-0.2GW-EXT-3 TO 4-220718-L-CB	465924-004	Wipe	07/18/22
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
I. Technical holding times				
Were all technical holding times met?	✓			
Were all water samples preserved to a pH of <2.			✓	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			✓	
Were %RSDs of isoptoes in the tuning solution ≤5%?			✓	
III. Calibration				
Were all instruments calibrated daily?	✓			
Were the proper standards used?	✓			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	✓			
Were the low level standard checks within 70-130%?			✓	
Were all initial calibration correlation coefficients within limits as specifed by the method?	✓			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks?		✓		
Was there contamination in the initial and continuing calibration blanks?		✓		
V. Interference Check Sample				
Were the interference check samples performed daily?	✓			
Were the AB solution recoveries within 80-120%?	✓			
VI. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			✓	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			✓	
VII. Laboratory Control Samples				
SDG?	✓			

Were the LCS recoveries and RPDs (if applicable) within QC limits?	✓			
METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
VIII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			✓	
If the recoveries were outside the limits, was a reanalysis performed?			✓	
IX. Serial Dilution				
Were all percent differences <10%?			✓	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			✓	
X. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?	✓			
Were all soil samples dry weight corrected?			✓	
XI. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	✓			
XII. Field Duplicates				
Were field duplicates identifed in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
XIII. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	

LDC #: 54592B4b

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

METHOD: Trace metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

%R = Found / True x 100 Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (~~ug/L~~ mg/L)	True (~~ug/L~~ mg/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
	ICP (Low Level calibration)						
	ICP/MS (Low Level calibration)						
ICV	ICP (Initial calibration)	Pb	0.9846	1.000	98	98	Y
	ICP/MS (Initial calibration)						
	CVAA (Initial calibration)						
CCV	ICP (Continuing calibration) 7/20 @ 20:07	Pb	0.9708	1.000	97	97	Y
	ICP/MS (Continuing calibration)						
	CVAA (Continuing calibration)						

ICP-MS TUNE	Calculation	Mass	Actual (Mean Counts / Axis)	Required (Counts / Axis)	Recalculated %RSD	Acceptable (Y/N)
	Mass Axis			± 0.1 AMU	NA	
	%RSD			≤ 5% RSD		

Comments:

LDC #: 54592B46

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

$\%D = \frac{|I-SDR|}{I} \times 100$ Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	µg/ft2 Found / S / I (units)	µg/ft2 True / D / SDR (units)	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
ICSAB	ICP interference check	Pb	0.9605 mg/L	1.000 mg/L	96	96	Y
LCS	Laboratory control sample	Pb	114.00	100.00	114	114	Y
	Matrix spike		(SSR-SR)				
	Duplicate						
	Post digestion spike						
	ICP serial dilution						

Comments: _____

LDC #: 54592B46

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Have results been reported and calculated correctly?
(Y) N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
(Y) N N/A Are all detection limits below the CRDL?

Detected analyte results for Pb were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$

Recalculation: #2

$1.419 \times 100 = 141.9$

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

#	Sample ID	Analyte	Reported Concentration (µg/L)	Calculated Concentration (µg/L)	Acceptable (Y/N)
	1	Pb	59	58.981	Y
	2	Pb	140	141.9	Y

Note: _____

Quality Control
Outlier Reports

465944

(No Outliers)

LDC #: 54592C3b

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 8/25/2022

SDG #: 465944

Page: 1 of 3

Laboratory: Enthalpy Analytical, Orange, CA

Reviewer: ADR

2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	Initial calibration/ICV	N/N	
III.	Continuing calibration	N	
IV.	Laboratory Blanks	A	
V.	Field blanks	ND	FB=10
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	
IX.	Field duplicates	ND	FD= 3/2,
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.1GW-INT1 TO 16-220719-P-CB	465944-001	Wipe	07/19/22
2	DOOR-N-0.1GW-DG-2 TO 16-220719-P-LA	465944-003	Wipe	07/19/22
3	DOOR-N-0.1GW-DG-2 TO 16-220719-P-DUP-LA	465944-004	Wipe	07/19/22
4	DOOR-N-0.2GW-EST-1 TO 2-220719-P-CB	465944-006	Wipe	07/19/22
5	DOOR-N-0.3GW-DG-2 TO 16-220719-P-LA	465944-008	Wipe	07/19/22
6	DOOR-N-0.3GW-INT-1 TO 16-220719-P-CB	465944-010	Wipe	07/19/22
7	DOOR-N-0.4GW-EXT1 TO 2-220719-P-CB	465944-012	Wipe	07/19/22
8	AFRAME-C1W-MED-L1-INT2 TO 3-220719-P-FB	465944-014	Wipe	07/19/22
9	AFRAME-C1W-LAT-L1-EXT-1 TO 2-220719-P-WF	465944-016	Wipe	07/19/22
10	220719-P-MEDBLANK	465944-019	Wipe	07/19/22
11				
12				
13				

Notes:

LDC #: 54592C4b

SDG #: 465944

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 9/25/2022

Page: 1 of 1

Reviewer: BN

2nd Reviewer:

ADR

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	A	
V.	Field Blanks	~~ANSW~~	FB= 10 Detect no qual
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	
X.	Field Duplicates	~~NDA~~	FD= 9/8 Detect no qual
XI.	Target Analyte Quantitation	N	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.1GW-INT1 TO 16-220719-L-CB	465944-002	Wipe	07/19/22
2	DOOR-N-0.1GW-DG-2 TO 16-220719-L-LA	465944-005	Wipe	07/19/22
3	DOOR-N-0.2GW-EST-1 TO 2-220719-L-CB	465944-007	Wipe	07/19/22
4	DOOR-N-0.3GW-DG-2 TO 16-220719-L-LA	465944-009	Wipe	07/19/22
5	DOOR-N-0.3GW-INT-1 TO 16-220719-L-CB	465944-011	Wipe	07/19/22
6	DOOR-N-0.4GW-EXT1 TO 2-220719-L-CB	465944-013	Wipe	07/19/22
7	AFRAME-C1W-MED-L1-INT2 TO 3-220719-L-FB	465944-015	Wipe	07/19/22
8	AFRAME-C1W-LAT-L1-EXT-1 TO 2-220719-L-WF	465944-017	Wipe	07/19/22
9	AFRAME-C1W-LAT-L1-EXT-1 TO 2-220719-L-DUP-WF	465944-018	Wipe	07/19/22
10	220719-L-MEDBLANK	465944-020	Wipe	07/19/22
11				
12				
13				
14				
15				

Notes:

Field Blank Contamination Report

Lab Reporting Batch ID: 465944

Laboratory: Enthalpy Orange

EDD Filename: Prep465944

Moffett_Hangar_1_NTCRA_Enthalpy_220609

Method: 6010B
Matrix: WIPE

Analyte	*Sample*	*Concentration (ug/ft2)*	*Flag*
LEAD	220719-L-MEDBLANK	1.6	No Qualifiers Applied

Field Duplicate RPD Report

Lab Reporting Batch ID: 465944 **Laboratory: Enthalpy Orange**

EDD Filename: Prep465944 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	AFRAME-C1W-LAT-L1-EXT-1 TO 2-220719-	AFRAME-C1W-LAT-L1-EXT-1 TO 2-220719-L-			
LEAD	240	220	9	100.00	No Qualifiers Applied

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Quality Control
Outlier Reports

466145

(No Outliers)

LDC #: 54592D3b

SDG #: 46614 5

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

4DR

Date: 8/25/2022

Page: 1 of 1

Reviewer: BN

2nd Reviewer: [illegible]

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	Initial calibration/ICV	N/N	
III.	Continuing calibration	N	
IV.	Laboratory Blanks	A	
V.	Field blanks	ND	FB= 13
VI.	Surrogate spikes	~~AGW~~	BN 4/4/2023
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	
IX.	Field duplicates	ND	FD= 10/9
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C1W-EXT-2 TO 3-220721-P-WF	466145-001	Wipe	07/21/22
2	DOOR-N-0.1GW-DG-10 TO 23-220721-P-LA	466145-004	Wipe	07/21/22
3	DOOR-N-0.4GW-DG-10 TO 24-220721-P-G	466145-006	Wipe	07/21/22
4	DOOR-N-0.5GW-EXT-9 TO 10-220721-P-CB	466145-008	Wipe	07/21/22
5	DOOR-N-0.8GW-DG-10 TO 24-220721-P-G	466145-010	Wipe	07/21/22
6	DOOR-N-0.9GE-INT-23 TO 24-220721-P-CB	466145-012	Wipe	07/21/22
7	DOOR-N-0.8GE-DG-10 TO 24-220721-P-G	466145-014	Wipe	07/21/22
8	DOOR-N-0.5GE-EXT-9 TO 10-220721-P-CB	466145-016	Wipe	07/21/22
9	DOOR-N-0.4GE-DG-10 TO 24-220721-P-LA	466145-018	Wipe	07/21/22
10	DOOR-N-0.4GE-DG-10 TO 24-220721-P-DUP-LA	466145-019	Wipe	07/21/22
11	DOOR-N-0.1GE-PS-23-220721-P-LA	466145-021	Wipe	07/21/22
12	ARCH-C1E-EXT-3 TO 4-220721-P-WF	466145-023	Wipe	07/21/22
13	220721-P-MEDBLANK	466145-025	Wipe	07/21/22
14	DOOR-N-0.7GE-PS-23-220721-P-LA	466145-027	Wipe	07/21/22
15				
16				
17				

Surrogate Outlier Report

Lab Reporting Batch ID: 466145 **Laboratory: Enthalpy Orange**

EDD Filename: Prep466145 **eQAPP Name:**

Method: 8082
Matrix: WIPE

Sample ID (Analysis Type)	*Surrogate*	*Sample % Recovery*	*% Recovery Limits*	*Affected Compounds*	*Flag*
220721-P-MEDBLANK	Decachlorobiphenyl (PCB) TCMX (PCB)	157	50.00-150.00 52.00-186.00	All Target Analytes	J (all detects)
ARCH-C1E-EXT-3 TO 4-220721-P-WF	Decachlorobiphenyl (PCB) TCMX (PCB)	189 187	50.00-150.00 52.00-186.00	All Target Analytes	J(all detects)
ARCH-C1W-EXT-2 TO 3-220721-P-WF	Decachlorobiphenyl (PCB) TCMX (PCB)		50.00-150.00 52.00-186.00	All Target Analytes	J(all detects)
DOOR-N-0.1GE-PS-23-220721-P-LA	Decachlorobiphenyl (PCB) TCMX (PCB)	170	50.00-150.00 52.00-186.00	All Target Analytes	J(all detects)
DOOR-N-0.1GW-DG-10 TO 23-220721-P-LA	Decachlorobiphenyl (PCB) TCMX (PCB)		50.00-150.00 52.00-186.00	All Target Analytes	J(all detects)
DOOR-N-0.4GE-DG-10 TO 24-220721-P-DUP-LA	Decachlorobiphenyl (PCB) TCMX (PCB)		50.00-150.00 52.00-186.00	All Target Analytes	J(all detects)
DOOR-N-0.4GE-DG-10 TO 24-220721-P-LA	TCMX (PCB)		52.00-186.00	All Target Analytes	J(all detects)
DOOR-N-0.4GW-DG-10 TO 24-220721-P-G	Decachlorobiphenyl (PCB) TCMX (PCB)		50.00-150.00 52.00-186.00	All Target Analytes	J(all detects)
DOOR-N-0.5GE-EXT-9 TO 10-220721-P-CB	Decachlorobiphenyl (PCB) TCMX (PCB)		50.00-150.00 52.00-186.00	All Target Analytes	J(all detects)
DOOR-N-0.5GW-EXT-9 TO 10-220721-P-CB	Decachlorobiphenyl (PCB) TCMX (PCB)	157	50.00-150.00 52.00-186.00	All Target Analytes	J(all detects)
DOOR-N-0.7GE-PS-23-220721-P-LA	Decachlorobiphenyl (PCB) TCMX (PCB)		50.00-150.00 52.00-186.00	All Target Analytes	J(all detects)
DOOR-N-0.8GE-DG-10 TO 24-220721-P-G	Decachlorobiphenyl (PCB) TCMX (PCB)	192	50.00-150.00 52.00-186.00	All Target Analytes	J(all detects)
DOOR-N-0.8GW-DG-10 TO 24-220721-P-G	Decachlorobiphenyl (PCB) TCMX (PCB)		50.00-150.00 52.00-186.00	All Target Analytes	J(all detects)
DOOR-N-0.9GE-INT-23 TO 24-220721-P-CB	TCMX (PCB)		52.00-186.00	All Target Analytes	J(all detects)

Project Name and Number: 20-10491 - Hangar 1 NTCRA

LDC #: 54592D4b

SDG #: 466145

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

ADR

Date: 8/25/2022

Page: of

Reviewer: BN

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	A	
V.	Field Blanks	SW ~~ND~~ A	FB= 13
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	
X.	Field Duplicates	~~ND~~ A	FD= 2/1 Detect no qual
XI.	Target Analyte Quantitation	N	
XII	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C1W-EXT-2 TO 3-220721-L-WF	466145-002	Wipe	07/21/22
2	ARCH-C1W-EXT-2 TO 3-220721-L-DUP-WF	466145-003	Wipe	07/21/22
3	DOOR-N-0.1GW-DG-10 TO 23-220721-L-LA	466145-005	Wipe	07/21/22
4	DOOR-N-0.4GW-DG-10 TO 24-220721-L-G	466145-007	Wipe	07/21/22
5	DOOR-N-0.5GW-EXT-9 TO 10-220721-L-CB	466145-009	Wipe	07/21/22
6	DOOR-N-0.8GW-DG-10 TO 24-220721-L-G	466145-011	Wipe	07/21/22
7	DOOR-N-0.9GE-INT-23 TO 24-220721-L-CB	466145-013	Wipe	07/21/22
8	DOOR-N-0.8GE-DG-10 TO 24-220721-L-G	466145-015	Wipe	07/21/22
9	DOOR-N-0.5GE-EXT-9 TO 10-220721-L-CB	466145-017	Wipe	07/21/22
10	DOOR-N-0.4GE-DG-10 TO 24-220721-L-LA	466145-020	Wipe	07/21/22
11	DOOR-N-0.1GE-PS-23-220721-L-LA	466145-022	Wipe	07/21/22
12	ARCH-C1E-EXT-3 TO 4-220721-L-WF	466145-024	Wipe	07/21/22
13	220721-L-MEDBLANK	466145-026	Wipe	07/21/22
14	DOOR-N-0.7GE-PS-23-220721-L-LA	466145-028	Wipe	07/21/22
15				

Notes:

Field Blank Contamination Report

Lab Reporting Batch ID: 466145

Laboratory: Enthalpy Orange

EDD Filename: Prep466145

Moffett_Hangar_1_NTCRA_Enthalpy_220609

Method: 6010B
Matrix: WIPE

Analyte	*Sample*	*Concentration (ug/ft2)*	*Flag*
LEAD	220721-L-MEDBLANK	1.6	No Qualifiers Applied

Field Duplicate RPD Report

Lab Reporting Batch ID: 466145 **Laboratory: Enthalpy Orange**

EDD Filename: Prep466145 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	ARCH-C1W-EXT-2 TO 3-220721-L-WF (TOT)	ARCH-C1W-EXT-2 TO 3-220721-L-DUP-WF			
LEAD	1.0 U	190	200	100.00	No Qualifiers Applied

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Quality Control
Outlier Reports

466154

LDC #: 54592E3b

SDG #: 466154

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 8/25/2022

Page: 1 of 1

Reviewer: ADR

2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Initial calibration/ICV	N/N	
III.	Continuing calibration	N	
IV.	Laboratory Blanks	A	
V.	Field blanks	N	
VI.	Surrogate spikes	A/SW	BN 4/4/2023
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	
IX.	Field duplicates	~~AND~~	FD = 5/4 ~~Detect no qual~~
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII	Overall assessment of data		

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C1W-INT-2.5 TO 3.5-220721-P-WF	466154-001	Wipe	07/21/22
2	DOOR-N-0.2GW-INT-23 TO 24-220721-P-CB	466154-003	Wipe	07/21/22
3	DOOR-N-0.3GW-PS-23-2520721-P-G	466154-005	Wipe	07/21/22
4	DOOR-N-0.6GW-DG-9 TO 23-220721-P-G	466154-007	Wipe	07/21/22
5	DOOR-N-0.6GW-DG-9 TO 23-220721-P-DUP-G	466154-008	Wipe	07/21/22
6	DOR-N-0.9GW-EXT-9 TO 10-2207231-P-CB	466154-010	Wipe	07/21/22
7	DOOR-N-0.3GE-PS-23-220721-P-G	466154-013	Wipe	07/21/22
8	ARCH-C1E-INT-2.5 TO 3.5-220721-P-WF	466154-015	Wipe	07/21/22
9	DOOR-N-0.2GE-EXT-9 TO 10-220721-P-CB	466154-017	Wipe	07/21/22
10				
11				
12				
13				

Notes:

Surrogate Outlier Report

Lab Reporting Batch ID: 466154 **Laboratory: Enthalpy Orange**

EDD Filename: Prep466154 **eQAPP Name:**

Method: 8082
Matrix: WIPE

Sample ID (Analysis Type)	*Surrogate*	*Sample % Recovery*	*% Recovery Limits*	*Affected Compounds*	*Flag*
ARCH-C1E-INT-2.5 TO 3.5-220721-P-WF	Decachlorobiphenyl (PCB) TCMX (PCB)	155	50.00-150.00 52.00-186.00	All Target Analytes	J (all detects)
ARCH-C1W-INT-2.5 TO 3.5-220721-P-WF	Decachlorobiphenyl (PCB) TCMX (PCB)		50.00-150.00 52.00-186.00	All Target Analytes	J(all detects)
DOOR-N-0.2GE-EXT-9 TO 10-220721-P-CB	Decachlorobiphenyl (PCB) TCMX (PCB)		50.00-150.00 52.00-186.00	All Target Analytes	J(all detects)
DOOR-N-0.2GW-INT-23 TO 24-220721-P-CB	Decachlorobiphenyl (PCB) TCMX (PCB)		50.00-150.00 52.00-186.00	All Target Analytes	J(all detects)
DOOR-N-0.3GE-PS-23-220721-P-G	Decachlorobiphenyl (PCB) TCMX (PCB)		50.00-150.00 52.00-186.00	All Target Analytes	J(all detects)
DOOR-N-0.3GW-PS-23-220721-P-G	Decachlorobiphenyl (PCB) TCMX (PCB)		50.00-150.00 52.00-186.00	All Target Analytes	J(all detects)
DOOR-N-0.6GW-DG-9 TO 23-220721-P-DUP-G	Decachlorobiphenyl (PCB) TCMX (PCB)		50.00-150.00 52.00-186.00	All Target Analytes	J(all detects)
DOOR-N-0.6GW-DG-9 TO 23-220721-P-G	Decachlorobiphenyl (PCB) TCMX (PCB)		50.00-150.00 52.00-186.00	All Target Analytes	J(all detects)
DOOR-N-0.9GW-EXT-9 TO 10-220721-P-CB	TCMX (PCB)		52.00-186.00	All Target Analytes	J(all detects)

LDC #: 54592E4b

SDG #: 466154

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

ADR

Date: 8/25/2022

Page: 1 of 1

Reviewer: ON

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	A	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	
X.	Field Duplicates	~~NB~~ SW	FD= 6/5 Detect no qual
XI.	Target Analyte Quantitation	N	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C1W-INT-2.5 TO 3.5-220721-L-WF	466154-002	Wipe	07/21/22
2	DOOR-N-0.2GW-INT-23 TO 24-220721-L-CB	466154-004	Wipe	07/21/22
3	DOOR-N-0.3GW-PS-23-2520721-L-G	466154-006	Wipe	07/21/22
4	DOOR-N-0.6GW-DG-9 TO 23-220721-L-G	466154-009	Wipe	07/21/22
5	DOR-N-0.9GW-EXT-9 TO 10-2207231-L-CB	466154-011	Wipe	07/21/22
6	DOR-N-0.9GW-EXT-9 TO 10-2207231-L-DUP-CB	466154-012	Wipe	07/21/22
7	DOOR-N-0.3GE-PS-23-220721-L-G	466154-014	Wipe	07/21/22
8	ARCH-C1E-INT-2.5 TO 3.5-220721-L-WF	466154-016	Wipe	07/21/22
9	DOOR-N-0.2GE-EXT-9 TO 10-220721-L-CB	466154-018	Wipe	07/21/22
10				
11				
12				
13				
14				
15				

Notes:

Field Duplicate RPD Report

Lab Reporting Batch ID: 466154 **Laboratory: Enthalpy Orange**

EDD Filename: Prep466154 **eQAPP Name:**

Method: ***6010B***
Matrix: ***WIPE***

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	DOOR-N-0.9GW-EXT-9 TO 10-220721-L-CB	DOOR-N-0.9GW-EXT-9 TO 10-220721-L-DUP-			
LEAD	560	1100	65	100.00	No Qualifiers Applied

Project Name and Number: 20-10491 - Hangar 1 NTCRA

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Rincon Consultants, Inc.
250 E. 1st Street Suite 1400
Los Angeles, CA - 90012
ATTN: Mr. Ryan Thacher
rthacher@rinconconsultants.com

April 18, 2023

SUBJECT: Hangar 1 NTCRA - Data Validation

Dear Mr. Thacher,

Enclosed are the final validation reports for the fractions listed below. These SDGs were received on July 20, 2022. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #54662 RV5:

SDG #	Fraction
464405, 465031, 465035, 464779, 464785	Polychlorinated Biphenyls, Lead

The data validation was performed under Stage 2A & 3 guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020)
- USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
Project Manager/Senior Chemist
pgeng@lab-data.com

348 pages-ADV EDD

Attachment 1

Stage 2A/3 (client select) **LDC# 54662 (Rincon Consultants, Inc., Los Angeles, CA / NTCRA Mockup Investigation)** **Project# 20-10491**

LDC	SDG#	DATE REC'D	(3) DATE DUE	PCBs (8082)		Pb (6010B)																													
Matrix: Water/Soil/Wipe				W	WP	W	WP	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	464405	07/20/22	08/10/22	0	8	0	8																												
B	465031	07/20/22	08/10/22	0	3	0	3																												
C	465035	07/20/22	08/10/22	0	13	0	13																												
D	464779	07/20/22	08/10/22	0	3	0	3																												
E	464785	07/20/22	08/10/22	0	3	0	3																												
Total	TR/PG			0	30	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60

Shaded cells indicate Stage 3 validation (all other cells are Stage 2A validation). Sample counts do not include MS, MSD, and DUP's. V:\LOGIN\Rincon\Moffett Field, Hanger 1 NTCRA\54662ST-Wipe.wpd

LDC Report# 54662_RV2

Automated Data Review Data Validation Report
Hangar 1 NTCRA

Sample Delivery Groups

464405
465031
465035
464779
464785

April 7, 2023

Introduction

This Data Validation Report (DVR) presents Stage 2A and Stage 3 data validation results for samples collected during the June 2022 sampling period. Data validation was performed in accordance with a modified outline of the US Environmental Protection Agency (EPA) National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020) and USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Polychlorinated Biphenyls (PCBs) by EPA SW 846 Method 8082
Lead by EPA SW 846 Method 6010B

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary results. Selected samples were subjected to Stage 3 data validation as indicated on the Sample Summary Report. Stage 3 data validation is comprised of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

NJ Presumptive evidence of presence of the compound at an estimated quantity.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Initial Calibration and Initial Calibration Verification

8082
The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all analytes.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 20.0% for all analytes.

Initial calibration data were not reviewed for Stage 2A validation.

6010B
An initial calibration was performed as required by the method.

The initial calibration verification (ICV) standards were within QC limits.

Initial calibration data were not reviewed for Stage 2A validation.

Continuing Calibration

8082
Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all analytes.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

Continuing calibration data were not reviewed for Stage 2A validation.

6010B
Continuing calibrations were performed as required by the method.

The continuing calibration verification (CCV) standards were within QC limits.

Continuing calibration data were not reviewed for Stage 2A validation.

ICP Interference Check Sample Analysis

6010B
The frequency of interference check sample (ICS) analysis was met. All criteria were within QC limits.

Although lead was found in the ICSA standard, no qualification was necessary since the interferent concentrations in the samples were less than ninety percent of the spiked interference concentrations in the ICSA.

Interference check sample (ICS) analysis data were not reviewed for Stage 2A validation.

Laboratory Blanks

Laboratory blanks were performed as required by the methods. No contaminants were detected in the laboratory blanks.

Field Blanks

8082
One media blank was collected and analyzed. No contaminants were found.

6010B
One media blank was collected and analyzed. No contaminants were found.

Surrogate Spikes

8082
Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits with the exception of two surrogates for PCBs. The associated sample results were qualified as detected estimated (J) or non-detected estimated (UJ) due to low %R as applicable.

Internal Standards

8082
All internal standard areas and retention times were within QC limits.
Internal standard data were not reviewed for Stage 2A validation.

Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for these methods, and therefore matrix spike and matrix spike duplicate analyses were not performed. The lack of MS/MSD samples for wipe samples is consistent with the UFP-QAPP for the Hangar 1 NTCRA (EKI, 2022).

Duplicate Sample Analysis

6010B
The laboratory has indicated that there were no laboratory duplicate (DUP) analyses specified for this method, and therefore laboratory duplicate analyses were not performed.
The lack of laboratory duplicate samples is consistent with the UFP-QAPP for the Hangar 1 NTCRA (EKI, 2022).

Laboratory Control Samples

8082
Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) and relative percent differences (RPO) were within QC limits with the exception of two LCS/LCSD pairs for Aroclor-1016. The associated sample results were qualified as detected estimated (J) or non-detected estimated (UJ) as applicable. The details regarding the qualification of data are presented in Enclosure I.

6010B
Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) and relative percent differences (RPO) were within QC limits.

Field Duplicates

8082
Three field duplicate pairs were collected and analyzed. No results were detected in the field duplicates. The field duplicates are identified in Attachment 1.

6010B
Three field duplicate pairs were collected and analyzed. All RPDs and absolute differences were within QC limits. The field duplicate result comparisons are presented in Enclosure I.

Target Analyte Quantitation

The laboratory reporting limits were evaluated. While the reporting limits were not achieved in accordance with the UFP-QAPP, the achieved reporting limits are acceptable with respect to the Cleanup Goals (EKI, 2022).

Overall Assessment of Data

The analyses were conducted within all specifications of the methods. No results were rejected in these SDGs.

Due to LCS/LCSD %R, data were qualified as estimated in eighteen samples.

Due to Surrogate %R, data were qualified as non-detected estimated in two samples.

Data flags are summarized and are presented as Attachment 2.

Attachment 1

Sample Summary Report by Analysis Method

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 464405						
Method: 6010B						
DOOR-N-0.1GE-DG-14 TO 27-220615-L-LA	464405-013	WIPE	N	3050B	6/15/2022	S3VEM
DOOR-N-0.1GE-PS-26-220615-L-LA	464405-011	WIPE	N	3050B	6/15/2022	S3VEM
DOOR-N-0.1GW-DG-13 TO 27-220615-L-DUP-LA	464405-003	WIPE	FD	3050B	6/15/2022	S3VEM
DOOR-N-0.1GW-DG-13 TO 27-220615-L-LA	464405-002	WIPE	N	3050B	6/15/2022	S3VEM
DOOR-N-0.7GW-EXT-12 TO 13-220615-L-CB	464405-007	WIPE	N	3050B	6/15/2022	S3VEM
DOOR-N-0.9GE-PS-26-220615-L-LA	464405-016	WIPE	N	3050B	6/15/2022	S3VEM
DOOR-N-0.9GW-INT-27 TO 15-220615-L-CB	464405-005	WIPE	N	3050B	6/15/2022	S3VEM
DOOR-N-0.9GW-PS-26-220615-L-LA	464405-009	WIPE	N	3050B	6/15/2022	S3VEM
Method: 8082						
DOOR-N-0.1GE-DG-14 TO 27-220615-P-LA	464405-012	WIPE	N	3572M	6/15/2022	S3VEM
DOOR-N-0.1GE-PS-26-220615-P-LA	464405-010	WIPE	N	3572M	6/15/2022	S3VEM
DOOR-N-0.1GW-DG-13 TO 27-220615-P-LA	464405-001	WIPE	N	3572M	6/15/2022	S3VEM
DOOR-N-0.7GW-EXT-12 TO 13-220615-P-CB	464405-006	WIPE	N	3572M	6/15/2022	S3VEM
DOOR-N-0.9GE-PS-26-220615-P-DUP-LA	464405-015	WIPE	FD	3572M	6/15/2022	S3VEM
DOOR-N-0.9GE-PS-26-220615-P-LA	464405-014	WIPE	N	3572M	6/15/2022	S3VEM
DOOR-N-0.9GW-INT-27 TO 15-220615-P-CB	464405-004	WIPE	N	3572M	6/15/2022	S3VEM
DOOR-N-0.9GW-PS-26-220615-P-LA	464405-008	WIPE	N	3572M	6/15/2022	S3VEM

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 465031						
Method: 6010B						
DOOR-N-0.3GW-DG-11 TO 25-220628-L-LA	465031-002	WIPE	N	3050B	6/28/2022	S3VEM
DOOR-N-0.5GE-INT-25 TO 26-220628-L-CB	465031-006	WIPE	N	3050B	6/28/2022	S3VEM
DOOR-N-0.7GW-DG-11 TO 25-220628-L-LA	465031-004	WIPE	N	3050B	6/28/2022	S3VEM
Method: 8082						
DOOR-N-0.3GW-DG-11 TO 25-220628-P-LA	465031-001	WIPE	N	3572M	6/28/2022	S3VEM
DOOR-N-0.5GE-INT-25 TO 26-220628-P-CB	465031-005	WIPE	N	3572M	6/28/2022	S3VEM
DOOR-N-0.7GW-DG-11 TO 25-220628-P-LA	465031-003	WIPE	N	3572M	6/28/2022	S3VEM

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 465035						
Method: 6010B						
220628-L-MEDBLANK	465035-026	WIPE	FB	3050B	6/28/2022	S2AVE
DOOR-N-0.1GW-INT-26 TO 27-220628-L-CB	465035-002	WIPE	N	3050B	6/28/2022	S2AVE
DOOR-N-0.1GW-INT-26 TO 27-220628-L-DUP-CB	465035-003	WIPE	FD	3050B	6/28/2022	S2AVE
DOOR-N-0.2GW-EXT-10 TO 11-220628-L-CB	465035-005	WIPE	N	3050B	6/28/2022	S2AVE
DOOR-N-0.3GE-DG-12 TO 25-220628-L-LA	465035-015	WIPE	N	3050B	6/28/2022	S2AVE
DOOR-N-0.3GW-INT-25 TO 26-220628-L-CB	465035-007	WIPE	N	3050B	6/28/2022	S2AVE
DOOR-N-0.5GE-DG-11 TO 25-220628-L-LA	465035-017	WIPE	N	3050B	6/28/2022	S2AVE
DOOR-N-0.5GW-DG-12 TO 26-220628-L-LA	465035-009	WIPE	N	3050B	6/28/2022	S2AVE
DOOR-N-0.7GW-EXT-11 TO 12-220628-L-CB	465035-011	WIPE	N	3050B	6/28/2022	S2AVE
DOOR-N-0.8GE-EXT-10 TO 11-220628-L-CB	465035-019	WIPE	N	3050B	6/28/2022	S2AVE
DOOR-N-0.9GE-DG-12 TO 26-220628-L-LA	465035-021	WIPE	N	3050B	6/28/2022	S2AVE
DOOR-N-0.9GE-PS-25-220628-L-LA	465035-024	WIPE	N	3050B	6/28/2022	S2AVE
DOOR-N-0.9GW-INT-25 TO 26-220628-L-CB	465035-013	WIPE	N	3050B	6/28/2022	S2AVE
Method: 8082						
220628-P-MEDBLANK	465035-025	WIPE	FB	3572M	6/28/2022	S2AVE
DOOR-N-0.1GW-INT-26 TO 27-220628-P-CB	465035-001	WIPE	N	3572M	6/28/2022	S2AVE
DOOR-N-0.2GW-EXT-10 TO 11-220628-P-CB	465035-004	WIPE	N	3572M	6/28/2022	S2AVE
DOOR-N-0.3GE-DG-12 TO 25-220628-P-LA	465035-014	WIPE	N	3572M	6/28/2022	S2AVE
DOOR-N-0.3GW-INT-25 TO 26-220628-P-CB	465035-006	WIPE	N	3572M	6/28/2022	S2AVE
DOOR-N-0.5GE-DG-11 TO 25-220628-P-LA	465035-016	WIPE	N	3572M	6/28/2022	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Method: 8082						
DOOR-N-0.5GW-DG-12 TO 26-220628-P-LA	465035-008	WIPE	N	3572M	6/28/2022	S2AVE
DOOR-N-0.7GW-EXT-11 TO 12-220628-P-CB	465035-010	WIPE	N	3572M	6/28/2022	S2AVE
DOOR-N-0.8GE-EXT-10 TO 11-220628-P-CB	465035-018	WIPE	N	3572M	6/28/2022	S2AVE
DOOR-N-0.9GE-DG-12 TO 26-220628-P-LA	465035-020	WIPE	N	3572M	6/28/2022	S2AVE
DOOR-N-0.9GE-PS-25-220628-P-DUP-LA	465035-023	WIPE	FD	3572M	6/28/2022	S2AVE
DOOR-N-0.9GE-PS-25-220628-P-LA	465035-022	WIPE	N	3572M	6/28/2022	S2AVE
DOOR-N-0.9GW-INT-25 TO 26-220628-P-CB	465035-012	WIPE	N	3572M	6/28/2022	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 464779						
Method: 6010B						
ARCH-C1W-EXT-5 TO 6-220623-L-DUP-I	464779-005	WIPE	FD	3050B	6/23/2022	S3VEM
ARCH-C1W-EXT-5 TO 6-220623-L-I	464779-004	WIPE	N	3050B	6/23/2022	S3VEM
ARCH-C1W-PS-5.5-220623-L-G	464779-001	WIPE	N	3050B	6/23/2022	S3VEM
Method: 8082						
ARCH-C1W-EXT-5 TO 6-220623-P-I	464779-006	WIPE	N	3572M	6/23/2022	S3VEM
ARCH-C1W-PS-5.5-220623-P-DUP-G	464779-003	WIPE	FD	3572M	6/23/2022	S3VEM
ARCH-C1W-PS-5.5-220623-P-G	464779-002	WIPE	N	3572M	6/23/2022	S3VEM

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 464785						
Method: 6010B						
DOOR-N-0.2GW-DG-7 TO 21-220623-L-LA	464785-001	WIPE	N	3050B	6/23/2022	S3VEM
DOOR-N-0.3GW-DG-6 TO 20-220623-L-G	464785-003	WIPE	N	3050B	6/23/2022	S3VEM
DOOR-N-0.4GW-EXT-6 TO 7-220623-L-CB	464785-005	WIPE	N	3050B	6/23/2022	S3VEM
Method: 8082						
DOOR-N-0.2GW-DG-7 TO 21-220623-P-LA	464785-002	WIPE	N	3572M	6/23/2022	S3VEM
DOOR-N-0.3GW-DG-6 TO 20-220623-P-G	464785-004	WIPE	N	3572M	6/23/2022	S3VEM
DOOR-N-0.4GW-EXT-6 TO 7-220623-P-CB	464785-006	WIPE	N	3572M	6/23/2022	S3VEM

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (8/25/2022) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*

Validation Label Legend

Label Code	*Label Decription*	*EPA Level*
S1VE	Stage_1_Validation_Electronic	N/A
S1VM	Stage_1_Validation_Manual	N/A
S1VEM	Stage_1_Validation_Electronic_and_Manual	N/A
S2AVE	Stage_2A_Validation_Electronic	Level 3 w/o calibration
S2AVM	Stage_2A_Validation_Manual	Level 3 w/o calibration
S2AVEM	Stage_2A_Validation_Electronic_and_Manual	Level 3 w/o calibration
S2BVE	Stage_2B_Validation_Electronic	Level 3 with calibration
S2BVM	Stage_2B_Validation_Manual	Level 3 with calibration
S2BVEM	Stage_2B_Validation_Electronic_and_Manual	Level 3 with calibration
S3VE	Stage_3_Validation_Electronic	Level 4
S3VM	Stage_3_Validation_Manual	Level 4
S3VEM	Stage_3_Validation_Electronic_and_Manual	Level 4
S4VE	Stage_4_Validation_Electronic	Level 4
S4VM	Stage_4_Validation_Manual	Level 4
S4VEM	Stage_4_Validation_Electronic_and_Manual	Level 4
NV	Not_Validated	N/A

Attachment 2

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: 464405
EDD Filename: Prep464405

Laboratory: Enthalpy Orange
eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 465031 **Laboratory: Enthalpy Orange**

EDD Filename: 465031 **eQAPP Name:**

Method Category: SVOA

Method: 8082 *Matrix:* WIPE

Sample ID: DOOR-N-0.3GW-DG-11 TO 25-220628-P-LA **Collected:** 6/28/2022 2:34:00 PM **Analysis Type:** RES **Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Lcs, Lcs, Surr
AROCLOR-1221	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Surr, Lcs
AROCLOR-1232	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Surr, Lcs
AROCLOR-1242	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Surr
AROCLOR-1248	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Surr
AROCLOR-1254	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Surr
AROCLOR-1260	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Surr
AROCLOR-1268	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Surr

Sample ID: DOOR-N-0.5GE-INT-25 TO 26-220628-P-CB **Collected:** 6/28/2022 2:01:00 PM **Analysis Type:** RES **Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Lcs, Lcs, Surr
AROCLOR-1221	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Surr, Lcs
AROCLOR-1232	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Surr, Lcs
AROCLOR-1242	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Surr
AROCLOR-1248	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Surr
AROCLOR-1254	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Surr
AROCLOR-1260	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Surr
AROCLOR-1268	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Surr

Sample ID: DOOR-N-0.7GW-DG-11 TO 25-220628-P-LA **Collected:** 6/28/2022 2:20:00 PM **Analysis Type:** RES **Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Lcs, Lcs
AROCLOR-1221	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1232	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Lcs

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Data Qualifier Summary

Lab Reporting Batch ID: 465031

Laboratory: Enthalpy Orange

EDD Filename: 465031

eQAPP Name:

Reason Code Legend

Reason Code	*Description*
Lcs	Laboratory Control Precision
Lcs	Laboratory Control Spike Lower Estimation
Surr	Surrogate/Tracer Recovery Lower Estimation

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Data Qualifier Summary

Lab Reporting Batch ID: 465035 **Laboratory: Enthalpy Orange**

EDD Filename: Prep465035 **eQAPP Name:**

Method Category: SVOA

Method: 8082 *Matrix:* WIPE

***Sample ID:*220628-P-MEDBLANK** ***Collected:*6/28/2022 12:00:00 AM** ***Analysis Type:*RES** ***Dilution:* 1.000**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	1.0	U	0.21	MDL	1.0	CRQL	ug/100 cm2	UJ	Lcs, Lcs
AROCLOR-1232	1.0	U	0.17	MDL	1.0	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1221	1.0	U	0.65	MDL	1.0	CRQL	ug/100 cm2	UJ	Lcs

***Sample ID:*DOOR-N-0.1GW-INT-26 TO 27-220628-P-CB** ***Collected:*6/28/2022 12:00:00 AM** ***Analysis Type:*RES** ***Dilution:* 1.000**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	1.0	U	0.21	MDL	1.0	CRQL	ug/100 cm2	UJ	Lcs, Lcs
AROCLOR-1221	1.0	U	0.65	MDL	1.0	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1232	1.0	U	0.17	MDL	1.0	CRQL	ug/100 cm2	UJ	Lcs

***Sample ID:*DOOR-N-0.2GW-EXT-10 TO 11-220628-P-CB** ***Collected:*6/28/2022 12:00:00 AM** ***Analysis Type:*RES** ***Dilution:* 1.000**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	1.0	U	0.21	MDL	1.0	CRQL	ug/100 cm2	UJ	Lcs, Lcs
AROCLOR-1221	1.0	U	0.65	MDL	1.0	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1232	1.0	U	0.17	MDL	1.0	CRQL	ug/100 cm2	UJ	Lcs

***Sample ID:*DOOR-N-0.3GE-DG-12 TO 25-220628-P-LA** ***Collected:*6/28/2022 12:00:00 AM** ***Analysis Type:*RES** ***Dilution:* 1.000**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	1.0	U	0.21	MDL	1.0	CRQL	ug/100 cm2	UJ	Lcs, Lcs
AROCLOR-1221	1.0	U	0.65	MDL	1.0	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1232	1.0	U	0.17	MDL	1.0	CRQL	ug/100 cm2	UJ	Lcs

***Sample ID:*DOOR-N-0.3GW-INT-25 TO 26-220628-P-CB** ***Collected:*6/28/2022 12:00:00 AM** ***Analysis Type:*RES** ***Dilution:* 1.000**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	1.0	U	0.21	MDL	1.0	CRQL	ug/100 cm2	UJ	Lcs, Lcs

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Data Qualifier Summary

Lab Reporting Batch ID: 465035 **Laboratory: Enthalpy Orange**

EDD Filename: Prep465035 **eQAPP Name:**

Method Category: SVOA

Method: 8082 *Matrix:* WIPE

Sample ID: DOOR-N-0.3GW-INT-25 TO 26-220628-P-CB **Collected:** 6/28/2022 12:00:00 AM **Analysis Type:** RES **Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1221	1.0	U	0.65	MDL	1.0	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1232	1.0	U	0.17	MDL	1.0	CRQL	ug/100 cm2	UJ	Lcs

Sample ID: DOOR-N-0.5GE-DG-11 TO 25-220628-P-LA **Collected:** 6/28/2022 12:00:00 AM **Analysis Type:** RES **Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	1.0	U	0.21	MDL	1.0	CRQL	ug/100 cm2	UJ	Lcs, Lcs
AROCLOR-1221	1.0	U	0.65	MDL	1.0	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1232	1.0	U	0.17	MDL	1.0	CRQL	ug/100 cm2	UJ	Lcs

Sample ID: DOOR-N-0.5GW-DG-12 TO 26-220628-P-LA **Collected:** 6/28/2022 12:00:00 AM **Analysis Type:** RES **Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	1.0	U	0.21	MDL	1.0	CRQL	ug/100 cm2	UJ	Lcs, Lcs
AROCLOR-1221	1.0	U	0.65	MDL	1.0	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1232	1.0	U	0.17	MDL	1.0	CRQL	ug/100 cm2	UJ	Lcs

Sample ID: DOOR-N-0.7GW-EXT-11 TO 12-220628-P-CB **Collected:** 6/28/2022 12:00:00 AM **Analysis Type:** RES **Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	1.0	U	0.21	MDL	1.0	CRQL	ug/100 cm2	UJ	Lcs, Lcs
AROCLOR-1221	1.0	U	0.65	MDL	1.0	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1232	1.0	U	0.17	MDL	1.0	CRQL	ug/100 cm2	UJ	Lcs

Sample ID: DOOR-N-0.8GE-EXT-10 TO 11-220628-P-CB **Collected:** 6/28/2022 12:00:00 AM **Analysis Type:** RES **Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	1.0	U	0.21	MDL	1.0	CRQL	ug/100 cm2	UJ	Lcs, Lcs
AROCLOR-1221	1.0	U	0.65	MDL	1.0	CRQL	ug/100 cm2	UJ	Lcs

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Data Qualifier Summary

Lab Reporting Batch ID: 465035 **Laboratory: Enthalpy Orange**

EDD Filename: Prep465035 **eQAPP Name:**

Method Category: SVOA

Method: 8082 *Matrix:* WIPE

Sample ID: DOOR-N-0.8GE-EXT-10 TO 11-220628-P-CB **Collected:** 6/28/2022 12:00:00 AM **Analysis Type:** RES **Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1232	1.0	U	0.17	MDL	1.0	CRQL	ug/100 cm2	UJ	Lcs

Sample ID: DOOR-N-0.9GE-DG-12 TO 26-220628-P-LA **Collected:** 6/28/2022 12:00:00 AM **Analysis Type:** RES **Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	1.0	U	0.21	MDL	1.0	CRQL	ug/100 cm2	UJ	Lcs, Lcs
AROCLOR-1221	1.0	U	0.65	MDL	1.0	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1232	1.0	U	0.17	MDL	1.0	CRQL	ug/100 cm2	UJ	Lcs

Sample ID: DOOR-N-0.9GE-PS-25-220628-P-DUP-LA **Collected:** 6/28/2022 12:00:00 AM **Analysis Type:** RES **Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	1.0	U	0.21	MDL	1.0	CRQL	ug/100 cm2	UJ	Lcs, Lcs
AROCLOR-1221	1.0	U	0.65	MDL	1.0	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1232	1.0	U	0.17	MDL	1.0	CRQL	ug/100 cm2	UJ	Lcs

Sample ID: DOOR-N-0.9GE-PS-25-220628-P-LA **Collected:** 6/28/2022 12:00:00 AM **Analysis Type:** RES **Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	1.0	U	0.21	MDL	1.0	CRQL	ug/100 cm2	UJ	Lcs, Lcs
AROCLOR-1221	1.0	U	0.65	MDL	1.0	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1232	1.0	U	0.17	MDL	1.0	CRQL	ug/100 cm2	UJ	Lcs

Sample ID: DOOR-N-0.9GW-INT-25 TO 26-220628-P-CB **Collected:** 6/28/2022 12:00:00 AM **Analysis Type:** RES **Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	1.0	U	0.21	MDL	1.0	CRQL	ug/100 cm2	UJ	Lcs, Lcs
AROCLOR-1221	1.0	U	0.65	MDL	1.0	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1232	1.0	U	0.17	MDL	1.0	CRQL	ug/100 cm2	UJ	Lcs

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Data Qualifier Summary

Lab Reporting Batch ID: 465035 **Laboratory: Enthalpy Orange**

EDD Filename: Prep465035 **eQAPP Name:**

Reason Code Legend

Reason Code	*Description*
Lcs	Laboratory Control Precision
Lcs	Laboratory Control Spike Lower Estimation

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Data Qualifier Summary

Lab Reporting Batch ID: 464779

Laboratory: Enthalpy Orange

EDD Filename: Prep464779

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 464785

Laboratory: Enthalpy Orange

EDD Filename: Prep464785

eQAPP Name:

No Data Review Qualifiers Applied.

Enclosure I

Validation Outlier Reports

Quality Control
Outlier Reports

464405

LDC #: 54662A3b

SDG #: 464405

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 3

Date: 8/24/22

Page: 1 of 1

Reviewer: A

2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Initial calibration/ICV	A/A	%D PSD/ICV ≤ 20
III.	Continuing calibration	A	CCV ≤ 20
IV.	Laboratory Blanks	A	
V.	Field blanks	N	
VI.	Surrogate spikes /1S	A/A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	LCS/D
IX.	Field duplicates	ND	D = 7, 8
X.	Target analyte quantitation	A	
XI.	Target analyte identification	A	
XII.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.1GW-DG-13 TO 27-220615-P-LA	464405-001	Wipe	06/15/22
2	DOOR-N-0.9GW-INT-27 TO 15-220615-P-CB	464405-004	Wipe	06/15/22
3	DOOR-N-0.7GW-EXT-12 TO 13-220615-P-CB	464405-006	Wipe	06/15/22
4	DOOR-N-0.9GW-PS-26-220615-P-LA	464405-008	Wipe	06/15/22
5	DOOR-N-0.1GE-PS-26-220615-P-LA	464405-010	Wipe	06/15/22
6	DOOR-N-0.1GE-14 TO 27-220615-P-LA	464405-012	Wipe	06/15/22
7	DOOR-N-0.9GE-PS-26-220615-P-LA D	464405-014	Wipe	06/15/22
8	DOOR-N-0.9GE-PS-26-220615-P-DUP-LA D	464405-015	Wipe	06/15/22
9				
10				
11				
12				
13				

Notes:

	291960						

LDC #: 54662 A3h

VALIDATION FINDINGS CHECKLIST

Method: GC HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
IIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?			✓	
Were the RT windows properly established?	✓			
IIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
III. Continuing calibration	✓			
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ 20%?				
Were all the retention times within the acceptance windows?	✓			
IV. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?	✓			
V. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	
VI. Surrogate spikes				
Were all surrogate percent recovery (%R) within the QC limits?	✓			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
VIII. Laboratory control samples				
Was an LCS analyzed per analytical or extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			

Validation Area	Yes	No	NA	Findings/Comments
IX. Field duplicates				
Were field duplicate pairs identified in this SDG?	✓			
Were target analytes detected in the field duplicates?		✓		
X. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Target analyte identification				
Were the retention times of reported detects within the RT windows?	✓			
Were manual integrations reviewed and found acceptable?	✓			
Did the laboratory provide before and after integration printouts?	✓			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes:_____

LDC #: 54662A3h

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer: _____

METHOD: GC ✓ HPLC _____

The calibration factors (CF) and relative standard deviation (%RSD) were recalculated using the following calculations:

CF = A/C
Average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where: A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported CF (500 std)	Recalculated CF (500 std)	Reported CF (initial)	Recalculated CF (intial)	Reported %RSD	Recalculated %RSD
1	ICAL	6/25/22	1260-1 chA	0.0580	0.0580	0.0609	0.0609	12	12
			chB	0.0619	0.0619	0.0633	0.0633	8	8
2									
3									
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54662A36

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC _____ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the target analytes identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of target analyte
C = Concentration of target analyte

#	Standard ID	Calibration Date	Target Analyte	Average CF(Ical)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1	CCV	6/28/22	Aroclor 1260 (A)	500.0	510.2	510.2	2	2
			↓ (B)	↓	506.3	506.3	1	1
2								
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54662A3b

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: ✓ GC __ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
TCMX	ch B	1.0	0.6483	65	65	0
DCB	↓	1.0	0.5751	58	58	0

Sample ID:

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene	Y	Tetrachloro-m- xylene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene	Z	2-Bromonaphthalene
C	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decachlorobiphenyl (DCB)	U	Tripentyltin	AA	Chloro-octadecane
D	Bromochlorobenene	J	n-Triacontane	P	1-methylnaphthalene	V	Tri-n-propyltin	BB	2,4-Dichlorophenylacetic acid
E	1,4-Dichlorobutane	K	Hexacosane	Q	Dichlorophenyl Acetic Acid (DCAA)	W	Tributyl Phosphate	CC	2,5-Dibromotoluene
F	1,4-Difluorobenzene (DFB)	L	Bromobenzene	R	4-Nitrophenol	X	Triphenyl Phosphate		

LDC #: 54662A3b

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: ✓ GC __HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the target analytes identified below using the following calculation:

%Recovery = 100 * (SSC/SA)
RPD =(({SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration
LCS = Laboratory Control Sample
SA = Spike added
LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: 291960 LCS 117

Compound	Spike Added (ug/100 gm)2		Spike Sample Concentration (ug/100 gm)2		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1260	5.0	5.0	4.355	4.845	87	87	97	97	11	11

Comments: _____

LDC #: 54662A3b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

METHOD: ✓ GC __ HPLC

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

Concentration= (A)(Fv)(Df) / (RF)(Vs or Ws)(%S/100)

A= Area or height of the target analyte to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the target analyte in the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. 291960 lcs Aroclor 1260

Concentration = $\frac{435.52 \quad (10ml)}{1000}$ = $\frac{10\ m\ l}{}$ = 4.3552 ug/100 cm^2

#	Sample ID	Target analyte	Reported Concentrations (ug/100gm)^3	Recalculated Results Concentrations (ug/100gm)^3	Qualifications
	lcs	Aroclor 1260	4.355		
	1260-1 = 180651.43 (20) / 1410452.08 (0.0633)		= 403.588	1260-1 = 403.588	
				-2 = 411.8	
				-3 = 419.6	
				-4 = 459.4	
				-5 = 483.2	
				435.52	

Comments: _____

LDC #: 54662A4b

SDG #: 464405

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 3

Date: 9/12/22

Page: 1 of 1

Reviewer: ATV

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	A	
IV.	Laboratory Blanks	A	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	C.S
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	SW	(1,2) see ADR report
XI.	Target Analyte Quantitation	A	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.1GW-DG-13 TO 27-220615-L-LA	464405-002	Wipe	06/15/22
2	DOOR-N-0.1GW-DG-13 TO 27-220615-L-DUP-LA	464405-003	Wipe	06/15/22
3	DOOR-N-0.9GW-INT-27 TO 115-220615-L-CB	464405-005	Wipe	06/15/22
4	DOOR-N-0.7GW-EXT-12 TO 13-220615-L-CB	464405-007	Wipe	06/15/22
5	DOOR-N-0.9GW-PS-26-220615-L-LA	464405-009	Wipe	06/15/22
6	DOOR-N-0.1GE-PS-26-220615-L-LA	464405-011	Wipe	06/15/22
7	DOOR-N-0.1GE-DG-14 TO 27-220615-L-LA	464405-013	Wipe	06/15/22
8	DOOR-N-0.9GE-PS-26-220615-L-LA	464405-016	Wipe	06/15/22
9				
10				
11				
12				
13				
14				
15				

Notes:

LDC #: 54662A4b VALIDATION FINDINGS CHECKLIST Page 1 of 2

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
I. Technical holding times				
Were all technical holding times met?	✓			
Were all water samples preserved to a pH of <2.			✓	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			✓	
Were %RSDs of isoptoes in the tuning solution ≤5%?			✓	
III. Calibration				
Were all instruments calibrated daily?	✓			
Were the proper standards used?	✓			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	✓			
Were the low level standard checks within 70-130%?			✓	
Were all initial calibration correlation coefficients within limits as specifed by the method?	✓			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks?		✓		
Was there contamination in the initial and continuing calibration blanks?		✓		
V. Interference Check Sample				
Were the interference check samples performed daily?	✓			
Were the AB solution recoveries within 80-120%?	✓			
VI. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			✓	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			✓	
VII. Laboratory Control Samples				
SDG?	✓			

Were the LCS recoveries and RPDs (if applicable) within QC limits?	✓			
METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
VIII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			✓	
If the recoveries were outside the limits, was a reanalysis performed?			✓	
IX. Serial Dilution				
Were all percent differences <10%?		✓		
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			✓	
X. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?	✓			
Were all soil samples dry weight corrected?			✓	
XI. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	✓			
XII. Field Duplicates				
Were field duplicates identifed in this SDG?	✓			
Were target analytes detected in the field duplicates?	✓			
XIII. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	

LDC #: 54662A4b

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

Reviewer: ATL

METHOD: Trace metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

%R = Found x 100 / True

Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (ug/L)	True (ug/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
	ICP (Low Level calibration)						
	ICP/MS (Low Level calibration)						
ICV	ICP (Initial calibration)	Pb	0.9501	1.000	95	95	Y
	ICP/MS (Initial calibration)						
	CVAA (Initial calibration)						
CCV	ICP (Continuing calibration) 6/17 @ 16:55	Pb	0.9575	1.000	96	96	Y
	ICP/MS (Continuing calibration)						
	CVAA (Continuing calibration)						

ICP-MS TUNE	Calculation	Mass	Actual (Mean Counts / Axis)	Required (Counts / Axis)	Recalculated %RSD	Acceptable (Y/N)
	Mass Axis			± 0.1 AMU	NA	
	%RSD			≤ 5% RSD		

Comments:

LDC #: 54662Aab

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

$\%D = \frac{|I-SDR|}{I} \times 100$ Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	µg/ft² Found / S / I (units)	µg/ft² True / D / SDR (units)	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
ICSAB	ICP interference check	Pb	0.9546 mg/L	1.000 mg/L	95	95	Y
LCS	Laboratory control sample	Pb	96.48	100.00	96	96	Y
	Matrix spike		(SSR-SR)				
	Duplicate						
	Post digestion spike						
	ICP serial dilution						

Comments: _____

LDC #: 54662A4b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Have results been reported and calculated correctly?
(Y) N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
(Y) N N/A Are all detection limits below the CRDL?

Detected analyte results for Pb were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

Recalculation: #6

$2.672 \times (100/1.04) = 256.923$

#	Sample ID	Analyte	Reported Concentration (ug/l)	Calculated Concentration (ug/l)	Acceptable (Y/N)
	1	Pb	59	58.615	Y
	2	Pb	100	100.288	Y
	3	Pb	98	97.59	Y
	4	Pb	85	85.49	Y
	5	Pb	76	75.731	Y
	6	Pb	260	256.923	Y
	7	Pb	170	173.00	Y
	8	Pb	270	268.654	Y

Note:

Field Duplicate RPD Report

Lab Reporting Batch ID: 464405 **Laboratory: Enthalpy Orange**

EDD Filename: Prep464405 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	DOOR-N-0.1GW-DG-13 TO 27-220615-L-LA	DOOR-N-0.1GW-DG-13 TO 27-220615-L-DUP-			
LEAD	59	100	52	100.00	No Qualifiers Applied

Quality Control
Outlier Reports

465031

LDC #: 54662B3b

SDG #: 465031

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 3

Date: 8/24/22

Page: 1 of 1

Reviewer: [illegible]

2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A /Δ	
II.	Initial calibration/ICV	A/Δ	%D/ICV ≤ 20 CCV ≤ 20
III.	Continuing calibration	Δ	
IV.	Laboratory Blanks	Δ	
V.	Field blanks	N	
VI.	Surrogate spikes 1/13	SW/Δ	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	SW	LC
IX.	Field duplicates	N	
X.	Target analyte quantitation	A	
XI.	Target analyte identification	Δ	
XII	Overall assessment of data	Δ	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.3GW-DG-11 TO 25-220628-P-LA	465031-001	Wipe	06/28/22
2	DOOR-N-0.7GW-DG-11 TO 25-220628-P-LA	465031-~~002~~ 003	Wipe	06/28/22
3	DOOR-N-0.5GE-INT-25 TO 26-220628-P-CB	465031-~~003~~ 005	Wipe	06/28/22
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				

Notes:

	292307						

LDC #: 54662 B3h

VALIDATION FINDINGS CHECKLIST

Reviewer: FT

Method: ✓GC HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
IIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?			✓	
Were the RT windows properly established?	✓			
IIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
Were all the retention times within the acceptance windows?	✓			
IV. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
V. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	
VI. Surrogate spikes				
Were all surrogate percent recovery (%R) within the QC limits?		✓		
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?		✓		
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
VIII. Laboratory control samples				
Was an LCS analyzed per analytical or extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?		✓		

Validation Area	Yes	No	NA	Findings/Comments
IX. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
X. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Target analyte identification				
Were the retention times of reported detects within the RT windows?	✓			
Were manual integrations reviewed and found acceptable?	✓			
Did the laboratory provide before and after integration printouts?	✓			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes:_____

LDC #: 54662 B3b

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 1
Reviewer: FT
2nd Reviewer: _____

METHOD: GC ✓ HPLC _____

The calibration factors (CF) and relative standard deviation (%RSD) were recalculated using the following calculations:

CF = A/C
Average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where: A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported CF (SDV std)	Recalculated CF (SDV std)	Reported CF (initial)	Recalculated CF (intial)	Reported %RSD	Recalculated %RSD
1	ICAL	6/25/22	1260-1 ch A	0.0580	0.0580	0.0609	0.0609	12	12
			1260-1 ch B	0.0619	0.0619	0.0633	0.0633	8	8
2									
3									
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54662B3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the target analytes identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of target analyte
C = Concentration of target analyte

#	Standard ID	Calibration Date	Target Analyte	Average CF(Ical)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1	CCV	7/7/22	Aroclor 1260 ch A	500.0	498.7	498.7	0	0
	↓		ch B	↓	489.8	489.8	2	2
2								
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54662B3b

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: ✓ GC __ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
TCMX	ch A	1.0	0.5178	52	52	0
OCB	↓	1.0	0.4809	48	48	0

Sample ID:

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene	Y	Tetrachloro-m- xylene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene	Z	2-Bromonaphthalene
C'	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decachlorobiphenyl (DCB)	U	Tripentyltin	AA	Chloro-octadecane
D	Bromochlorobenene	J	n-Triacontane	P	1-methylnaphthalene	V	Tri-n-propyltin	BB	2,4-Dichlorophenylacetic acid
E	1,4-Dichlorobutane	K	Hexacosane	Q	Dichlorophenyl Acetic Acid (DCAA)	W	Tributyl Phosphate	CC	2,5-Dibromotoluene
F	1,4-Difluorobenzene (DFB)	L	Bromobenzene	R	4-Nitrophenol	X	Triphenyl Phosphate		

Surrogate Outlier Report

Lab Reporting Batch ID: 465031 **Laboratory: Enthalpy Orange**

EDD Filename: 465031 **eQAPP Name:**

Method: 8082
Matrix: WIPE

Sample ID (Analysis Type)	*Surrogate*	*Sample % Recovery*	*% Recovery Limits*	*Affected Compounds*	*Flag*
DOOR-N-0.3GW-DG-11 TO 25-220628-P-LA	Decachlorobiphenyl (PCB)	48	50.00-150.00	All Target Analytes	J (all detects) UJ (all non-detects)
DOOR-N-0.5GE-INT-25 TO 26-220628-P-CB	Decachlorobiphenyl (PCB)	47	50.00-150.00	All Target Analytes	J(all detects) UJ(all non-detects)

LDC #: 54662B3b

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: ✓ GC __HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the target analytes identified below using the following calculation:

%Recovery = 100 * (SSC/SA)
RPD =(({SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration
LCS = Laboratory Control Sample
SA = Spike added
LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: 292307 LCS/D

Compound	Spike Added (ug/100gm²)		Spike Sample Concentration (ug/100gm²)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1260	5.0	5.0	3.714	3.359	74	74	67	67	10	10

Comments: _____

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: 465031 **Laboratory: Enthalpy Orange**

EDD Filename: Prep465031 **eQAPP Name:**

Method: 8082
Matrix: WIPE

QC Sample ID (Associated Samples)	*Compound*	*LCS %R*	*LCSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
QC998416 (DOOR-N-0.3GW-DG-11 TO 25-220628-P-LA DOOR-N-0.5GE-INT-25 TO 26-220628-P-CB DOOR-N-0.7GW-DG-11 TO 25-220628-P-LA)	AROCLOR-1016	-	57	60.00-140.00	29 (20.00)	AROCLOR-1016	J (all detects) UJ (all non-detects)

Project Name and Number: 20-10491 - Hangar 1 NTCRA

LDC #: 54662B3b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

METHOD: ✓ GC __ HPLC

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

Concentration= (A)(Fv)(Df) / (RF)(Vs or Ws)(%S/100)

A= Area or height of the target analyte to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the target analyte in the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. 292307 LCS Aroclor 1260

Concentration = $\frac{371.4\ (60)}{(1000)}$ = 3.714

#	Sample ID	Target analyte	Reported Concentrations (ug/100 cm^2)	Recalculated Results Concentrations (ug/100cm^2)	Qualifications
	LCC	Aroclor 1260	3.714		
	1260-1 = 3717552.53 (20) / 3684738.49 (0.0609)		= 336.0	1260-1 = 336.0	
				342.3	
				351.3	
				373.8	
				453.7	
				Ave 371.4	

Comments: _____

LDC #: 54662B4b

SDG #: 465031

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 3

Date: 9/12/22

Page: 1 of 1

Reviewer: ATV

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	SW	
IV.	Laboratory Blanks	A	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	OS
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	N	
XI.	Target Analyte Quantitation	A	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.3GW-DG-11 TO 25-220628-L-LA	465031-002	Wipe	06/28/22
2	DOOR-N-0.7GW-DG-11 TO 25-220628-L-LA	465031-004	Wipe	06/28/22
3	DOOR-N-0.5GE-INT-25 TO 26-220628-L-CB	465031-006	Wipe	06/28/22
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
I. Technical holding times				
Were all technical holding times met?	✓			
Were all water samples preserved to a pH of <2.			✓	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			✓	
Were %RSDs of isoptoes in the tuning solution ≤5%?			✓	
III. Calibration				
Were all instruments calibrated daily?	✓			
Were the proper standards used?	✓			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	✓			
Were the low level standard checks within 70-130%?			✓	
Were all initial calibration correlation coefficients within limits as specifed by the method?	✓			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks?		✓		
Was there contamination in the initial and continuing calibration blanks?		✓		
V. Interference Check Sample				
Were the interference check samples performed daily?	✓			
Were the AB solution recoveries within 80-120%?	✓			
VI. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			✓	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			✓	
VII. Laboratory Control Samples				
SDG?	✓			

Were the LCS recoveries and RPDs (if applicable) within QC limits?	✓			
METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
VIII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			✓	
If the recoveries were outside the limits, was a reanalysis performed?			✓	
IX. Serial Dilution				
Were all percent differences <10%?			✓	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			✓	
X. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?	✓			
Were all soil samples dry weight corrected?			✓	
XI. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	✓			
XII. Field Duplicates				
Were field duplicates identifed in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
XIII. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	

LDC #: 54662B4b

VALIDATION FINDINGS WORKSHEET
ICP Interference Check Sample

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Were ICP interference check samples performed as required?

(Y) N N/A Were the AB solution percent recoveries (%R) within the control limits of 80-120% ?

LEVEL IV ONLY:

(Y) N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	Date	ICS Identification	Analyte	Finding	Associated Samples	Qualifications
	06/30/22	ICSA (10:36)	Pb	-0.01513 (< 0.00333)	all	no qual (sample interferents < ICSA)

Comments:

LDC #: 54662B4b

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

Reviewer: ATV

METHOD: Trace metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

%R = Found x 100 / True

Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (ug/L)	True (ug/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
	ICP (Low Level calibration)						
	ICP/MS (Low Level calibration)						
ICV	ICP (Initial calibration)	Pb	0.956	1.000	96	96	Y
	ICP/MS (Initial calibration)						
	CVAA (Initial calibration)						
CCV	ICP (Continuing calibration) 6/30 @ 14:43	Pb	1.004	1.000	100	100	Y
	ICP/MS (Continuing calibration)						
	CVAA (Continuing calibration)						

ICP-MS TUNE	Calculation	Mass	Actual (Mean Counts / Axis)	Required (Counts / Axis)	Recalculated %RSD	Acceptable (Y/N)
	Mass Axis			± 0.1 AMU	NA	
	%RSD			≤ 5% RSD		

Comments:

LDC #: 54662B4b

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

$\%D = \frac{|I-SDR|}{I} \times 100$ Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (µg/kg or mg/L) (units)	True / D / SDR (units)	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
ICSAB	ICP interference check	Pb	0.972 mg/L	1.000 mg/L	97	97	Y
LCS	Laboratory control sample	Pb	109.853	100.00	110	110	Y
	Matrix spike		(SSR-SR)				
	Duplicate						
	Post digestion spike						
	ICP serial dilution						

Comments: _____

LDC #: 54662B4b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: ATV

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Have results been reported and calculated correctly?
(Y) N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
(Y) N N/A Are all detection limits below the CRDL?

Detected analyte results for Pb were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

Recalculation: #3

$1.928 \times 100 = 192.8$

#	Sample ID	Analyte	Reported Concentration ug/L	Calculated Concentration ug/L	Acceptable (Y/N)
	1	Pb	50	49.835	Y
	2	Pb	71	70.841	Y
	3	Pb	190	192.8	Y

Note:

Quality Control
Outlier Reports

465035

LDC #: 54662C3b **VALIDATION COMPLETENESS WORKSHEET** Date: 8/25/2022

SDG #: 465035 ~~Stage 3~~ Page: of

Laboratory: Enthalpy Analytical, Orange, CA Stage 2A (ADR) Reviewer: EN

2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Initial calibration/ICV	N / N	
III.	Continuing calibration	N	
IV.	Laboratory Blanks	A	
V.	Field blanks	ND	FB = 13
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	~~A~~ SW	
IX.	Field duplicates	ND	FD = 12/11
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.1GW-INT-26 TO 27-220628-P-CB	465035-001	Wipe	06/28/22
2	DOOR-N-0.2GW-EXT-10 TO 11-220628-P-CB	465035-004	Wipe	06/28/22
3	DOOR-N-0.3GW-INT-25 TO 26-220628-P-CB	465035-006	Wipe	06/28/22
4	DOOR-N-0.5GW-DG-12 TO 26-220628-P-LA	465035-008	Wipe	06/28/22
5	DOOR-N-0.7GW-EXT-11 TO 12-220628-P-CB	465035-010	Wipe	06/28/22
6	DOOR-N-0.9GW-INT-25 TO 26-220628-P-CB	465035-012	Wipe	06/28/22
7	DOOR-N-0.3GE-DG-12 TO 25-220628-P-LA	465035-014	Wipe	06/28/22
8	DOOR-N-0.5GE-DG-11 TO 25-220628-P-LA	465035-016	Wipe	06/28/22
9	DOOR-N-0.8GE-EXT-10 TO 11-220628-P-CB	465035-018	Wipe	06/28/22
10	DOOR-N-0.9GE-DG-12 TO 26-220628-P-LA	465035-020	Wipe	06/28/22
11	DOOR-N-0.9GE-PS-25-220628-P-LA	465035-022	Wipe	06/28/22
12	DOOR-N-0.9GE-PS-25-220628-P-DUP-LA	465035-023	Wipe	06/28/22
13	2520628-P-MEDBLANK	465035-025	Wipe	06/28/22
14				
15				
16				
17				

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: 465035 **Laboratory: Enthalpy Orange**

EDD Filename: Prep465035 **eQAPP Name:**

Method: 8082
Matrix: WIPE

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
QC998416 (220628-P-MEDBLANK DOOR-N-0.1GW-INT-26 TO 27-220628-P-CB DOOR-N-0.2GW-EXT-10 TO 11-220628-P-CB DOOR-N-0.3GE-DG-12 TO 25-220628-P-LA DOOR-N-0.3GW-INT-25 TO 26-220628-P-CB DOOR-N-0.5GE-DG-11 TO 25-220628-P-LA DOOR-N-0.5GW-DG-12 TO 26-220628-P-LA DOOR-N-0.7GW-EXT-11 TO 12-220628-P-CB DOOR-N-0.8GE-EXT-10 TO 11-220628-P-CB DOOR-N-0.9GE-DG-12 TO 26-220628-P-LA DOOR-N-0.9GE-PS-25-220628-P-DUP-LA DOOR-N-0.9GE-PS-25-220628-P-LA DOOR-N-0.9GW-INT-25 TO 26-220628-P-CB)	AROCLOR-1016	-	57	60.00-140.00	29 (20.00)	AROCLOR-1016	J (all detects) UJ (all non-detects)

Project Name and Number: 20-10491 - Hangar 1 NTCRA

LDC #: 54662C4b

SDG #: 465035

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 3/2A

ADR

Date: 8/15/2022

Page: of

Reviewer: EN

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	A	
V.	Field Blanks	ND	FB=13
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	
X.	Field Duplicates	~~SW~~ ND	FD=2/1
XI.	Target Analyte Quantitation	N	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.1GW-INT-26 TO 27-220628-L-CB	465035-002	Wipe	06/28/22
2	DOOR-N-0.1GW-INT-26 TO 27-220628-L-DUP-CB	465035-003	Wipe	06/28/22
3	DOOR-N-0.2GW-EXT-10 TO 11-220628-L-CB	465035-0005	Wipe	06/28/22
4	DOOR-N-0.3GW-INT-25 TO 26-220628-L-CB	465035-007	Wipe	06/28/22
5	DOOR-N-0.5GW-DG-12 TO 26-220628-L-LA	465035-009	Wipe	06/28/22
6	DOOR-N-0.7GW-EXT-11 TO 12-220628-L-CB	465035-011	Wipe	06/28/22
7	DOOR-N-0.9GW-INT-25 TO 26-220628-L-CB	465035-013	Wipe	06/28/22
8	DOOR-N-0.3GE-DG-12 TO 25-220628-L-LA	465035-015	Wipe	06/28/22
9	DOOR-N-0.5GE-DG-11 TO 25-220628-L-LA	465035-017	Wipe	06/28/22
10	DOOR-N-0.8GE-EXT-10 TO 11-220628-L-CB	465035-019	Wipe	06/28/22
11	DOOR-N-0.9GE-DG-12 TO 26-220628-L-LA	465035-021	Wipe	06/28/22
12	DOOR-N-0.9GE-PS-25-220628-L-LA	465035-024	Wipe	06/28/22
13	220628-L-MEDBLANK	465035-026	Wipe	06/28/22
14				
15				
16				

Notes:

Field Duplicate RPD Report

Lab Reporting Batch ID: 465035 **Laboratory: Enthalpy Orange**

EDD Filename: Prep465035 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	DOOR-N-0.1GW-INT-26 TO 27-220628-	DOOR-N-0.1GW-INT-26 TO 27-220628-L-DUP-			
LEAD	93	55	51	100.00	No Qualifiers Applied

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Quality Control
Outlier Reports

464779

LDC #: 54662D3b

SDG #: 464779

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 3

Date: 8/24/22

Page: 1 of 1

Reviewer: B

2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A /A	
II.	Initial calibration/ICV	A/A	%D RSD /ICV ≤20
III.	Continuing calibration	A	CCV ≤20
IV.	Laboratory Blanks	A	
V.	Field blanks	N	
VI.	Surrogate spikes 1,9	A/A	
VII.	Matrix spike/Matrix spike duplicates	N	MS
VIII.	Laboratory control samples	A	LCS/LCSD
IX.	Field duplicates	ND	D = 1,2
X.	Target analyte quantitation	A	
XI.	Target analyte identification	A	
XII.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID		Lab ID	Matrix	Date
1	ARCH-C1W-5.5-220623-P-G	D	464779-002	Wipe	06/23/22
2	ARCH-C1W-5.5-220623-P-DUP-G	D	464779-003	Wipe	06/23/22
3	ARCH-C1W-EXT-5 TO 6-220623-P-I		464779-006	Wipe	06/23/22
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					

Notes:

	291960						

LDC #: 54662036 **VALIDATION FINDINGS CHECKLIST** Page: 1 of 2
Reviewer: FT

Method: ✓ GC HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
IIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥0.990?	NA		NA ✓	
Were the RT windows properly established?	✓			
IIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
Were all the retention times within the acceptance windows?	✓			
IV. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?	✓			
V. Field Blanks				
Were field blanks identified in this SDG?			✓	
Were target analytes detected in the field blanks?			✓	
VI. Surrogate spikes				
Were all surrogate percent recovery (%R) within the QC limits?	✓			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
VIII. Laboratory control samples				
Was an LCS analyzed per analytical or extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			

Validation Area	Yes	No	NA	Findings/Comments
IX. Field duplicates				
Were field duplicate pairs identified in this SDG?	✓			
Were target analytes detected in the field duplicates?		✓		
X. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Target analyte identification				
Were the retention times of reported detects within the RT windows?	✓			
Were manual integrations reviewed and found acceptable?	✓			
Did the laboratory provide before and after integration printouts?	✓			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes:_____

LDC #: 54662036

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer: _____

METHOD: GC ✓ HPLC _____

The calibration factors (CF) and relative standard deviation (%RSD) were recalculated using the following calculations:

CF = A/C
Average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where: A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported CF (SDU std)	Recalculated CF (SDU std)	Reported CF (initial)	Recalculated CF (intial)	Reported %RSD	Recalculated %RSD
1	ICAL	6/25/22	Aroclor 1260-1 chA	0.0580	0.0580	0.0609	0.0609	12	12
			✓ chB	0.0619	0.0619	0.0633	0.0633	8	8
2									
3									
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54662036

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the target analytes identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of target analyte
C = Concentration of target analyte

#	Standard ID	Calibration Date	Target Analyte	Average CF(Ical)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1	CCV	6/28/22 1151	Aroclor 1260 ch A	500.0	510.2	510.2	2	2
			" ch B	500.0	506.3	506.3	1	1
2								
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54662D3b

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: ✓ GC ___ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: # 1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
TCMX	ch B	1.0	0.6484	65	65	0
DCB	↓	1.0	0.6321	63	63	0

Sample ID: _____

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene	Y	Tetrachloro-m- xylene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene	Z	2-Bromonaphthalene
C	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decachlorobiphenyl (DCB)	U	Tripentyltin	AA	Chloro-octadecane
D	Bromochlorobenene	J	n-Triacontane	P	1-methylnaphthalene	V	Tri-n-propyltin	BB	2,4-Dichlorophenylacetic acid
E	1,4-Dichlorobutane	K	Hexacosane	Q	Dichlorophenyl Acetic Acid (DCAA)	W	Tributyl Phosphate	CC	2,5-Dibromotoluene
F	1,4-Difluorobenzene (DFB)	L	Bromobenzene	R	4-Nitrophenol	X	Triphenyl Phosphate		

LDC #: 54620D3b

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: ✓ GC __ HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the target analytes identified below using the following calculation:

%Recovery = 100 * (SSC/SA)
RPD =(({SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100 Where 7362

SSC = Spiked sample concentration
LCS = Laboratory Control Sample
SA = Spike added
LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: 291960 LCS 1D

Compound	Spike Added (ug/100gm²)		Spike Sample Concentration (ug/100)cm²		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1260	5.0	5.0	4.355	4.845	87	87	97	97	11	11

Comments: _____

LDC #: 54662D3b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

METHOD: ✓ GC __ HPLC

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

Concentration= (A)(Fv)(Df) / (RF)(Vs or Ws)(%S/100)

A= Area or height of the target analyte to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the target analyte in the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. 291960 LCS Aroclor 1260

Concentration = 435.52 (10) / (1000) =

4.355 ug/100 cm²

#	Sample ID	Target analyte	Reported Concentrations (ug/100cm²)	Recalculated Results Concentrations (ug/100 cm²)	Qualifications
	LCS	Aroclor 1260	4.355		
				1260-1 =	403.588
	1260-1 =	1801651.43 (20.0) =	403.588	2 =	411.8
		1410452.08 (~~0.0609~~) F7		3 =	419.6
		0.0633		4 =	459.4
				5 =	483.2
					435.52

Comments: _____

LDC #: 54662D4b

SDG #: 464779

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 3

Date: 9/12/22

Page: 1 of 1

Reviewer: ATV

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	SW	
IV.	Laboratory Blanks	A	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	CS
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	SW	(2,3) see ADR report
XI.	Target Analyte Quantitation	A	
XII	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C1W-PS-5.5-220623-L-G	464779-001	Wipe	06/23/22
2	ARCH-C1W-EXT-5 TO 6-220623-L-I	464779-004	Wipe	06/23/22
3	ARCH-C1W-EXT-5 TO 6-220623-L-DUP-I	464779-005	Wipe	06/23/22
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes:

LDC #: 54662D4b VALIDATION FINDINGS CHECKLIST Page 1 of 2
Reviewer: ATV

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
I. Technical holding times				
Were all technical holding times met?	✓			
Were all water samples preserved to a pH of <2.			✓	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			✓	
Were %RSDs of isoptoes in the tuning solution ≤5%?			✓	
III. Calibration				
Were all instruments calibrated daily?	✓			
Were the proper standards used?	✓			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	✓			
Were the low level standard checks within 70-130%?			✓	
Were all initial calibration correlation coefficients within limits as specifed by the method?	✓			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks?		✓		
Was there contamination in the initial and continuing calibration blanks?		✓		
V. Interference Check Sample				
Were the interference check samples performed daily?	✓			
Were the AB solution recoveries within 80-120%?	✓			
VI. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			✓	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			✓	
VII. Laboratory Control Samples				
SDG?	✓			

Were the LCS recoveries and RPDs (if applicable) within QC limits?	✓			
METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
VIII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			✓	
If the recoveries were outside the limits, was a reanalysis performed?			✓	
IX. Serial Dilution				
Were all percent differences <10%?			✓	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			✓	
X. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?	✓			
Were all soil samples dry weight corrected?			✓	
XI. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	✓			
XII. Field Duplicates				
Were field duplicates identifed in this SDG?	✓			
Were target analytes detected in the field duplicates?	✓			
XIII. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	

LDC #: 54662D4b

VALIDATION FINDINGS WORKSHEET
ICP Interference Check Sample

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Were ICP interference check samples performed as required?

(Y) N N/A Were the AB solution percent recoveries (%R) within the control limits of 80-120% ?

LEVEL IV ONLY:

(Y) N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	Date	ICS Identification	Analyte	Finding	Associated Samples	Qualifications
	06/24/22	ICSA (10:38)	Pb	-0.01468 (≤ 0.00333)	all	no qual (sample interferents < ICSA)

Comments:

LDC #: 54662D4b

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

Reviewer: ATV

METHOD: Trace metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

$$\%R = \frac{\text{Found}}{\text{True}} \times 100$$

Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (ug/L)	True (ug/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
	ICP (Low Level calibration)						
	ICP/MS (Low Level calibration)						
ICV	ICP (Initial calibration)	Pb	0.9799	1.000	98	98	Y
	ICP/MS (Initial calibration)						
	CVAA (Initial calibration)						
CCV	ICP (Continuing calibration) 9/24/22:21	Pb	1.00799	1.000	101	101	Y
	ICP/MS (Continuing calibration)						
	CVAA (Continuing calibration)						

ICP-MS TUNE	Calculation	Mass	Actual (Mean Counts / Axis)	Required (Counts / Axis)	Recalculated %RSD	Acceptable (Y/N)
	Mass Axis			± 0.1 AMU	NA	
	%RSD			≤ 5% RSD		

Comments:

LDC #: 54662D4b

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

$\%D = \frac{|I-SDR|}{I} \times 100$ Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	µg/ft2 Found / S / I (units)	µg/ft2 True / D / SDR (units)	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
ICSAB	ICP interference check	Pb	0.9614	1.000	96	96	Y
LCS	Laboratory control sample	Pb	103.370	100.00	103	103	Y
	Matrix spike		(SSR-SR)				
	Duplicate						
	Post digestion spike						
	ICP serial dilution						

Comments: _____

LDC #: 54662D4b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: ATV

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Have results been reported and calculated correctly?
(Y) N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
(Y) N N/A Are all detection limits below the CRDL?

Detected analyte results for Pb were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

Recalculation:

$1.25236 \times 100 = 125.236$

#	Sample ID	Analyte	Reported Concentration (ug/l or ug/kg)	Calculated Concentration (ug/l or ug/kg)	Acceptable (Y/N)
	1	Pb	120	115.505	Y
	2	Pb	130	125.236	Y
	3	Pb	160	158.775	Y

Note: _____

Field Duplicate RPD Report

Lab Reporting Batch ID: 464779 **Laboratory: Enthalpy Orange**

EDD Filename: Prep464779 **eQAPP Name:**

Method: *6010B*
Matrix: *WIPE*

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	ARCH-C1W-EXT-5 TO 6-220623-L-I (TOT)	ARCH-C1W-EXT-5 TO 6-220623-L-DUP-I			
LEAD	130	160	21	100.00	No Qualifiers Applied

Quality Control
Outlier Reports

464785

(No Outliers)

LDC #: 54662E3b
SDG #: 464785
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 8/24/22
Page: 1 of 1
Reviewer: P
2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Initial calibration/ICV	A/A	%RSD/ICV ≤20
III.	Continuing calibration	A	%RSD CCV ≤20
IV.	Laboratory Blanks	A	
V.	Field blanks	N	
VI.	Surrogate spikes 1/5	A/A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	LCS/D
IX.	Field duplicates	N	
X.	Target analyte quantitation	A	
XI.	Target analyte identification	A	
XII	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.2GW-DG-7 TO 21-220623-P-LA	464785-002	Wipe	06/23/22
2	DOOR-N-0.3GW-DG-6 TO 20-220623-P-G	464785-004	Wipe	06/23/22
3	DOOR-N-0.4GW-EXT-6 TO 7-220623-P-CB	464785-006	Wipe	06/23/22
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				

Notes:

	291960						

LDC #: 94662E3b

VALIDATION FINDINGS CHECKLIST

Reviewer: FT

Method: ✓ GC __ HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
IIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?			✓	
Were the RT windows properly established?	✓			
IIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
Were all the retention times within the acceptance windows?	✓			
IV. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
V. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	
VI. Surrogate spikes				
Were all surrogate percent recovery (%R) within the QC limits?	✓			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
VIII. Laboratory control samples				
Was an LCS analyzed per analytical or extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			

Validation Area	Yes	No	NA	Findings/Comments
IX. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
X. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Target analyte identification				
Were the retention times of reported detects within the RT windows?	✓			
Were manual integrations reviewed and found acceptable?	✓			
Did the laboratory provide before and after integration printouts?	✓			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes:_____

LDC #: 54662E3h

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer: _____

METHOD: GC ✓ HPLC _____

The calibration factors (CF) and relative standard deviation (%RSD) were recalculated using the following calculations:

CF = A/C
Average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where: A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported CF (50U std)	Recalculated CF (50U std)	Reported CF (initial)	Recalculated CF (intial)	Reported %RSD	Recalculated %RSD
1	ICAL	6/25/22	Aroclor 1260-1 (A)	0.0580	0.0580	0.0609	0.0609	12	12
			1 (B)	0.0619	0.0619	0.0633	0.0633	8	8
2									
3									
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54662E3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the target analytes identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of target analyte
C = Concentration of target analyte

#	Standard ID	Calibration Date	Target Analyte	Average CF(Ical)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1	CCV	6/28/22 1151	Aroclor 1260 ch A	500.0	462.7	462.7	7	7
			ch B	↓	506.3	506.3	1	1
2								
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54662E3b

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: ✓ GC __ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
TCMX	ch B	1.0	0.6335	63	63	0
DCB	ch B	1.0	0.5857	59	59	0

Sample ID:

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene	Y	Tetrachloro-m- xylene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene	Z	2-Bromonaphthalene
C	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decachlorobiphenyl (DCB)	U	Tripentyltin	AA	Chloro-octadecane
D	Bromochlorobenene	J	n-Triacontane	P	1-methylnaphthalene	V	Tri-n-propyltin	BB	2,4-Dichlorophenylacetic acid
E	1,4-Dichlorobutane	K	Hexacosane	Q	Dichlorophenyl Acetic Acid (DCAA)	W	Tributyl Phosphate	CC	2,5-Dibromotoluene
F	1,4-Difluorobenzene (DFB)	L	Bromobenzene	R	4-Nitrophenol	X	Triphenyl Phosphate		

LDC #: 54662E3b

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: ✓ GC __ HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the target analytes identified below using the following calculation:

%Recovery = 100 * (SSC/SA)
RPD =(((SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration
LCS = Laboratory Control Sample
SA = Spike added
LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: 291960 LCS ID

Compound	Spike Added (ug/S)		Spike Sample Concentration (ug/S)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1260	5.0	5.0	4.355	4.845	87	87	97	97	11	11

Comments: _____

LDC #: 54662E3b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

METHOD: /GC __HPLC

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

Concentration= $\frac{(A)(Fv)(Df)}{(RF)(Vs \text{ or } Ws)(\%S/100)}$

A= Area or height of the target analyte to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the target analyte In the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. 291960 LCS Aroclor 1260

Concentration = $\frac{435.52\ (10)}{1000}$ =

4.355 ug/g

#	Sample ID	Target analyte	Reported Concentrations (ug/g)	Recalculated Results Concentrations (ug/g)	Qualifications
	LCS	Aroclor 1260	4.355		
	1260-1 = 180/165.43 (21.0) / 14/0452.08 (0.0693)		= 403.588	1260-1 = 403.588	
				2 = 411.8	
				3 = 419.6	
				4 = 459.4	
				5 = 483.2	
				435.52	

Comments: _____

LDC #: 54662E4b
SDG #: 464785
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 9/12/22
Page: 1 of 1
Reviewer: AM
2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	SW	
IV.	Laboratory Blanks	A	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	C.S
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	N	
XI.	Target Analyte Quantitation	A	
XII	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.2GW-DG-7 TO 21-220623-L-LA	464785-001	Wipe	06/23/22
2	DOOR-N-0.3GW-DG-6 TO 20-220623-L-G	464785-003	Wipe	06/23/22
3	DOOR-N-0.4GW-EXT-6 TO 7-220623-L-CB	464785-005	Wipe	06/23/22
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
I. Technical holding times				
Were all technical holding times met?	✓			
Were all water samples preserved to a pH of <2.			✓	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			✓	
Were %RSDs of isoptoes in the tuning solution ≤5%?			✓	
III. Calibration				
Were all instruments calibrated daily?	✓			
Were the proper standards used?	✓			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	✓			
Were the low level standard checks within 70-130%?			✓	
Were all initial calibration correlation coefficients within limits as specifed by the method?	✓			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks?		✓		
Was there contamination in the initial and continuing calibration blanks?		✓		
V. Interference Check Sample				
Were the interference check samples performed daily?	✓			
Were the AB solution recoveries within 80-120%?	✓			
VI. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			✓	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			✓	
VII. Laboratory Control Samples				
SDG?	✓			

Were the LCS recoveries and RPDs (if applicable) within QC limits?	✓			
METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
VIII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			✓	
If the recoveries were outside the limits, was a reanalysis performed?			✓	
IX. Serial Dilution				
Were all percent differences <10%?			✓	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			✓	
X. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?	✓			
Were all soil samples dry weight corrected?			✓	
XI. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	✓			
XII. Field Duplicates				
Were field duplicates identifed in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
XIII. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	

LDC #: 54662E4b

VALIDATION FINDINGS WORKSHEET
ICP Interference Check Sample

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Were ICP interference check samples performed as required?

(Y) N N/A Were the AB solution percent recoveries (%R) within the control limits of 80-120% ?

LEVEL IV ONLY:

(Y) N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	Date	ICS Identification	Analyte	Finding	Associated Samples	Qualifications
	06/24/22	ICSA (10:38)	Pb	-0.01468 (< 0.00333)	all	no qual (sample interferents < ICSA)

Comments:

LDC #: 54662E4b

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

METHOD: Trace metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

%R = Found x 100 / True

Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (ug/L)	True (ug/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
	ICP (Low Level calibration)						
	ICP/MS (Low Level calibration)						
ICV	ICP (Initial calibration)	Pb	0.9799	1.000	98	98	Y
	ICP/MS (Initial calibration)						
	CVAA (Initial calibration)						
CCV	ICP (Continuing calibration) 06/24 @ 23:00	Pb	1.0001	1.000	100	100	Y
	ICP/MS (Continuing calibration)						
	CVAA (Continuing calibration)						

ICP-MS TUNE	Calculation	Mass	Actual (Mean Counts / Axis)	Required (Counts / Axis)	Recalculated %RSD	Acceptable (Y/N)
	Mass Axis			± 0.1 AMU	NA	
	%RSD			≤ 5% RSD		

Comments:

LDC #: 54662E4b

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

%R = Found / True x 100 Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

RPD = |S-D| / (S+D)/2 x 100 Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

%D = |I-SDR| / I x 100 Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (mg/kg)	True / D / SDR (mg/kg)	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
ICSAB	ICP interference check	Pb	0.9614	1.000	96	96	Y
LCS	Laboratory control sample	Pb	103.370	100.00	103	103	Y
	Matrix spike		(SSR-SR)				
	Duplicate						
	Post digestion spike						
	ICP serial dilution						

Comments: _____

LDC #: 54662E4b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y)N N/A Have results been reported and calculated correctly?
(Y)N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
(Y)N N/A Are all detection limits below the CRDL?

Detected analyte results for Pb were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

Recalculation:

$0.3828 \times \left(\frac{100}{1.03}\right) = 37.165$

#	Sample ID	Analyte	Reported Concentration (ug/L)	Calculated Concentration (ug/L)	Acceptable (Y/N)
	1	Pb	37	37.165	Y
	2	Pb	150	149.417	Y
	3	Pb	170	167.932	Y

Note: _____

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Rincon Consultants, Inc.
250 E. 1st Street Suite 1400
Los Angeles, CA - 90012
ATTN: Mr. Ryan Thacher
rthacher@rinconconsultants.com

February 28, 2023

SUBJECT: Hangar 1 NTCRA - Data Validation

Dear Mr. Thacher,

Enclosed are the final validation report for the fraction listed below. This SDGs was received on July 27, 2022. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #54729 A RV2:

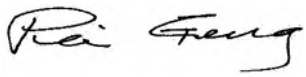
SDG #	Fraction
465874	Polychlorinated Biphenyls, Lead

The data validation was performed under Stage 3 guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020)
- USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

Please feel free to contact us if you have any questions.

Sincerely,



Pei Geng
Project Manager/Senior Chemist
pgeng@lab-data.com

86 pages-ADV EDD

Attachment 1

Stage 2A/3 (client select) **LDC# 54729 (Rincon Consultants, Inc., Los Angeles, CA / Hangar 1 NTCRA)** **Project# 20-10491**

LDC	SDG#	DATE REC'D	(3) DATE DUE	PCBs (8082)		Pb (6010B)																													
Matrix: Wipe				W	WP	W	WP	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	465874	07/27/22	08/17/22	0	3	0	3																												
Total	T/PG			0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6

Shaded cells indicate Stage 3 validation (all other cells are Stage 2A validation). Sample counts do not include MS, MSD, and DUP's.

LDC Report# 54729A_RV1

Automated Data Review Data Validation Report
Hangar 1 NTCRA

Sample Delivery Group

465874

October 19, 2022

Introduction

This Data Validation Report (DVR) presents Stage 3 data validation results for samples collected during the July 2022 sampling period. Data validation was performed in accordance with a modified outline of the US Environmental Protection Agency (EPA) National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020) and USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Polychlorinated Biphenyls (PCBs) by EPA SW 846 Method 8082
Lead by EPA SW 846 Method 6010B

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 3 data validation, which comprises an evaluation of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

NJ Presumptive evidence of presence of the compound at an estimated quantity.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Initial Calibration and Initial Calibration Verification

8082
For analytes where average relative response factors (RRFs) were utilized, the percent relative standard deviations (%RSD) were less than or equal to 20.0%.

In the case where the laboratory used a calibration curve to evaluate the analytes, all coefficients of determination (r^2) were greater than or equal to 0.990.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 20.0% for all analytes.

6010B
An initial calibration was performed as required by the method.

The initial calibration verification (ICV) standards were within QC limits.

Continuing Calibration

8082
Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all analytes.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

6010B
Continuing calibrations were performed as required by the method.

The continuing calibration verification (CCV) standards were within QC limits.

ICP Interference Check Sample Analysis

6010B
The frequency of interference check sample (ICS) analysis was met. All criteria were within QC limits.

Laboratory Blanks

Laboratory blanks were performed as required by the methods. No contaminants were detected in the laboratory blanks.

Field Blanks

No field blanks were identified in this SDG.

Surrogate Spikes

8082
Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

Internal Standards

8082
All internal standard areas and retention times were within QC limits.

Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for these methods, and therefore matrix spike and matrix spike duplicate analyses were not performed.The lack of MS/MSD samples for wipe samples is consistent with the UFP-QAPP for the Hangar 1 NTCRA (EKI, 2022).

Duplicate Sample Analysis

6010B
The laboratory has indicated that there were no laboratory duplicate (DUP) analyses specified for this method, and therefore laboratory duplicate analyses were not performed.The lack of laboratory duplicate samples is consistent with the UFP-QAPP for the Hangar 1 NTCRA (EKI, 2022).

Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed as required by the methods. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

Field Duplicates

No field duplicates were identified in this SDG.

Target Analyte Quantitation

The laboratory reporting limits were evaluated. While the reporting limits were not achieved in accordance with the UFP-QAPP, the achieved reporting limits are acceptable with respect to the Cleanup Goals(EKI, 2022).

Overall Assessment of Data

The analyses were conducted within all specifications of the methods. No results were rejected in this SDG.

Data flags are summarized and are presented as Attachment 2.

Attachment 1

Sample Summary Report by Analysis Method

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 465889						
Method: 6010B						
220716-L-MEDBLANK	465889-011	WIPE	FB	3050B	7/16/2022	S2AVE
ARCH-C1W-DG-6.5 TO 7-220716-L-FB	465889-018	WIPE	N	3050B	7/16/2022	S2AVE
ARCH-C1W-PS-6.5-220716-L-G	465889-006	WIPE	N	3050B	7/16/2022	S2AVE
DOOR-N-0.1GW-DG-6 TO 19-220716-L-LA	465889-002	WIPE	N	3050B	7/16/2022	S2AVE
DOOR-N-0.2GW-PS-19-220716-L-G	465889-016	WIPE	N	3050B	7/16/2022	S2AVE
DOOR-N-0.3GW-DG-5 TO 19-220716-L-LA	465889-004	WIPE	N	3050B	7/16/2022	S2AVE
DOOR-N-0.3GW-EXT-4 TO 5-220716-L-CB	465889-008	WIPE	N	3050B	7/16/2022	S2AVE
DOOR-N-0.3GW-EXT-4 TO 5-220716-L-DUP-CB	465889-009	WIPE	FD	3050B	7/16/2022	S2AVE
DOOR-N-0.4GW-PS-19-220716-L-G	465889-013	WIPE	N	3050B	7/16/2022	S2AVE
Method: 8082						
220716-P-MEDBLANK	465889-010	WIPE	FB	3572M	7/16/2022	S2AVE
ARCH-C1W-DG-6.5 TO 7-220716-P-FB	465889-017	WIPE	N	3572M	7/16/2022	S2AVE
ARCH-C1W-PS-6.5-220716-P-G	465889-005	WIPE	N	3572M	7/16/2022	S2AVE
DOOR-N-0.1GW-DG-6 TO 19-220716-P-LA	465889-001	WIPE	N	3572M	7/16/2022	S2AVE
DOOR-N-0.2GW-PS-19-220716-P-DUP-G	465889-015	WIPE	FD	3572M	7/16/2022	S2AVE
DOOR-N-0.2GW-PS-19-220716-P-G	465889-014	WIPE	N	3572M	7/16/2022	S2AVE
DOOR-N-0.3GW-DG-5 TO 19-220716-P-LA	465889-003	WIPE	N	3572M	7/16/2022	S2AVE
DOOR-N-0.3GW-EXT-4 TO 5-220716-P-CB	465889-007	WIPE	N	3572M	7/16/2022	S2AVE
DOOR-N-0.4GW-PS-19-220716-P-G	465889-012	WIPE	N	3572M	7/16/2022	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (8/25/2022) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*

Validation Label Legend

Label Code	*Label Decription*	*EPA Level*
S1VE	Stage_1_Validation_Electronic	N/A
S1VM	Stage_1_Validation_Manual	N/A
S1VEM	Stage_1_Validation_Electronic_and_Manual	N/A
S2AVE	Stage_2A_Validation_Electronic	Level 3 w/o calibration
S2AVM	Stage_2A_Validation_Manual	Level 3 w/o calibration
S2AVEM	Stage_2A_Validation_Electronic_and_Manual	Level 3 w/o calibration
S2BVE	Stage_2B_Validation_Electronic	Level 3 with calibration
S2BVM	Stage_2B_Validation_Manual	Level 3 with calibration
S2BVEM	Stage_2B_Validation_Electronic_and_Manual	Level 3 with calibration
S3VE	Stage_3_Validation_Electronic	Level 4
S3VM	Stage_3_Validation_Manual	Level 4
S3VEM	Stage_3_Validation_Electronic_and_Manual	Level 4
S4VE	Stage_4_Validation_Electronic	Level 4
S4VM	Stage_4_Validation_Manual	Level 4
S4VEM	Stage_4_Validation_Electronic_and_Manual	Level 4
NV	Not_Validated	N/A

Attachment 2

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: 465874

Laboratory: Enthalpy Orange

EDD Filename: Prep465874

eQAPP Name:

No Data Review Qualifiers Applied.

Enclosure I

Validation Outlier Reports

Quality Control
Outlier Reports

465874

(No Outliers)

LDC #: 54729A3b
SDG #: 465874
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 8/24/22
Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Initial calibration/ICV	A / A	%RSD ≤ 20, r² ICV ≤ 20
III.	Continuing calibration	A	CCV ≤ 20
IV.	Laboratory Blanks	A	
V.	Field blanks	N	
VI.	Surrogate spikes 1/4	A / A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	LCS 1D
IX.	Field duplicates	N	
X.	Target analyte quantitation	A	
XI.	Target analyte identification	A	
XII	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.1GW-INT-17 TO 18-220716-P-CB	465874-001	Wipe	07/16/22
2	DOOR-N-0.4GW-DG-4 TO 17-220716-P-LA	465874-003	Wipe	07/16/22
3	AFRAMW-C1W-LAT-L3-EXT-1 TO 2-220716-P-WF	465874-005	Wipe	07/16/22
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				

Notes:

	293412						

LDC #: 94729A36 **VALIDATION FINDINGS CHECKLIST** Page: 1 of 2
Reviewer: FT

Method: √GC HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
IIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥0.990?	✓			
Were the RT windows properly established?	✓			
IIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
Were all the retention times within the acceptance windows?	✓			
IV. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
V. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	
VI. Surrogate spikes				
Were all surrogate percent recovery (%R) within the QC limits?	✓			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
VIII. Laboratory control samples				
Was an LCS analyzed per analytical or extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			

Validation Area	Yes	No	NA	Findings/Comments
IX. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
X. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Target analyte identification				
Were the retention times of reported detects within the RT windows?	✓			
Were manual integrations reviewed and found acceptable?	✓			
Did the laboratory provide before and after integration printouts?	✓			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes:_____

LDC #: 54729A36

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: GC _____ HPLC _____

The calibration factors (CF) and relative standard deviation (%RSD) were recalculated using the following calculations:

CF = A/C
Average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where: A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported CF (500 std)	Recalculated CF (500 std)	Reported CF (initial)	Recalculated CF (intial)	Reported %RSD	Recalculated %RSD
1	ICAL	7/22/22	Aroclor 1260-2ch A	0.0471	0.0471	0.0882	0.0882	20	20
		↓	ch B	0.0525	0.0525	0.0691	0.0691	15	15
2									
3									
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54729 A3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the target analytes identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of target analyte
C = Concentration of target analyte

#	Standard ID	Calibration Date	Target Analyte	Average CF(Ical)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1	CCV	7/23/22 1704	Aroclor 1260-1 (A)	500.0	472.6	472.6	5	5
			(B)	500.0	487.4	487.4	3	3
2								
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54729A3b

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: ✓ GC ___ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
TCMX	ch B	1.0	0.744	74	74	0
DCB	↓	1.0	0.693	69	69	0

Sample ID:

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene	Y	Tetrachloro-m- xylene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene	Z	2-Bromonaphthalene
C	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decachlorobiphenyl (DCB)	U	Tripentyltin	AA	Chloro-octadecane
D	Bromochlorobenene	J	n-Triacontane	P	1-methylnaphthalene	V	Tri-n-propyltin	BB	2,4-Dichlorophenylacetic acid
E	1,4-Dichlorobutane	K	Hexacosane	Q	Dichlorophenyl Acetic Acid (DCAA)	W	Tributyl Phosphate	CC	2,5-Dibromotoluene
F	1,4-Difluorobenzene (DFB)	L	Bromobenzene	R	4-Nitrophenol	X	Triphenyl Phosphate		

LDC #: 54729A3b

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: ✓ GC __ HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the target analytes identified below using the following calculation:

%Recovery = 100 * (SSC/SA)
RPD =(({SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration
LCS = Laboratory Control Sample

SA = Spike added
LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: 29341 2 LCS 1D

Compound	Spike Added (ug/100 cm²)		Spike Sample Concentration (ug/100 cm²)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1260	5.0	5.0	4.826	4.660	97	97	93	93	4	4

Comments: _____

LDC #: 54729A3h

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

METHOD: ✓ GC __ HPLC

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

Concentration= $\frac{(A)(Fv)(Df)}{(RF)(Vs \text{ or } Ws)(\%S/100)}$

A= Area or height of the target analyte to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the target analyte In the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. 293412 LC> Aroclor 1260

Concentration = $\frac{482.71\ (10)}{(1000)}$ =

#	Sample ID	Target analyte	Reported Concentrations (ug/100 cm²)	Recalculated Results Concentrations (ug/100 cm²)	Qualifications
	LC>	Aroclor 1260	4.826	4.8271	
				1260-1=	~~445~~ 445.6
	1260-2 =	2670737.40 (20.0) / 1696442.574 (0.0691)	= 455.66		455.66
					446.6
					527.8
					537.9
					4827.1

Comments: _____

LDC #: 54729A4b
SDG #: 465874
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 8/23/22
Page: 1 of 1
Reviewer: AV
2nd Reviewer: A

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	A	
IV.	Laboratory Blanks	A	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	C.S
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	N	
XI.	Target Analyte Quantitation	A	
XII	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.1GW-INT-17 TO 18-220716-L-CB	465874-002	Wipe	07/16/22
2	DOOR-N-0.4GW-DG-4 TO 17-220716-L-LA	465874-004	Wipe	07/16/22
3	AFRAME-C1W-LAT-L3-EXT-1 TO 2-220716-L-WF	465874-006	Wipe	07/16/22
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
I. Technical holding times				
Were all technical holding times met?	✓			
Were all water samples preserved to a pH of <2.			✓	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			✓	
Were %RSDs of isoptoes in the tuning solution ≤5%?			✓	
III. Calibration				
Were all instruments calibrated daily?	✓			
Were the proper standards used?	✓			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	✓			
Were the low level standard checks within 70-130%?			✓	
Were all initial calibration correlation coefficients within limits as specifed by the method?	✓			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks?		✓		
Was there contamination in the initial and continuing calibration blanks?		✓		
V. Interference Check Sample				
Were the interference check samples performed daily?	✓			
Were the AB solution recoveries within 80-120%?	✓			
VI. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			✓	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			✓	
VII. Laboratory Control Samples				
SDG?	✓			

Were the LCS recoveries and RPDs (if applicable) within QC limits?	✓			
METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
VIII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			✓	
If the recoveries were outside the limits, was a reanalysis performed?			✓	
IX. Serial Dilution				
Were all percent differences <10%?			✓	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			✓	
X. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?	✓			
Were all soil samples dry weight corrected?			✓	
XI. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	✓			
XII. Field Duplicates				
Were field duplicates identifed in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
XIII. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	

LDC #: 54729A46

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

Reviewer: ATL

METHOD: Trace metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

%R = Found / True x 100 Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (~~ug/L~~ mg/L)	True (~~ug/L~~ mg/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
	ICP (Low Level calibration)						
	ICP/MS (Low Level calibration)						
ICV	ICP (Initial calibration)	Pb	0.9846	1.000	98	98	Y
	ICP/MS (Initial calibration)						
	CVAA (Initial calibration)						
CCV	ICP (Continuing calibration)	Pb	0.9358	1.000	94	94	Y
	ICP/MS (Continuing calibration)						
	CVAA (Continuing calibration)						

ICP-MS TUNE	Calculation	Mass	Actual (Mean Counts / Axis)	Required (Counts / Axis)	Recalculated %RSD	Acceptable (Y/N)
	Mass Axis			± 0.1 AMU	NA	
	%RSD			≤ 5% RSD		

Comments:

LDC #: 54729A46

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

$\%D = \frac{|I-SDR|}{I} \times 100$ Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	µg/ft2 Found / S / I (units)	µg/ft2 True / D / SDR (units)	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
ICSAB	ICP interference check	Pb	0.9605 mg/L	1.000 mg/L	96	96	Y
LCS	Laboratory control sample	Pb	99.78	100.00	100	100	Y
	Matrix spike		(SSR-SR)				
	Duplicate						
	Post digestion spike						
	ICP serial dilution						

Comments: _____

LDC #: 54729A46

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: ATV

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Have results been reported and calculated correctly?
(Y) N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
(Y) N N/A Are all detection limits below the CRDL?

Detected analyte results for Pb were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

Recalculation: #2

$2.041 \times \left(\frac{100}{1.03}\right) = 198.155$

#	Sample ID	Analyte	Reported Concentration (ug/L)	Calculated Concentration (ug/L)	Acceptable (Y/N)
	1	Pb	100	104.9	Y
	2	Pb	200	198.155	Y
	3	Pb	160	159.6	Y

Note: _____

LABORATORY DATA CONSULTANTS, INC.

2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Rincon Consultants, Inc.
250 E. 1st Street Suite 1400
Los Angeles, CA - 90012
ATTN: Mr. Ryan Thacher
rthacher@rinconconsultants.com

February 28, 2023

SUBJECT: Hangar 1 NTCRA - Data Validation

Dear Mr. Thacher,

Enclosed are the final validation reports for the fraction listed below. These SDGs were received on August 15, 2022. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #54731 RV5:

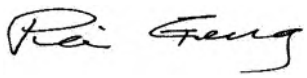
SDG #	Fraction
466742	Polychlorinated Biphenyls, Lead
466745	
466919	
466921	

The data validation was performed under Stage 2A & 3 guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020)
- USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

Please feel free to contact us if you have any questions.

Sincerely,



Pei Geng
Project Manager/Senior Chemist
pgeng@lab-data.com

111 pages-ADV EDD

Attachment 1

Stage 2A/3 (client select) **LDC# 54731 (Rincon Consultants, Inc., Los Angeles, CA / Hanger 1 NTCRA)** **Project# 20-10491**

LDC	SDG#	DATE REC'D	(3) DATE DUE	PCBs (8082)		Pb (6010B)																															
Matrix:	Water/Soil/Wipe			W	WP	W	WP	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	466742	08/15/22	09/06/22	0	9	0	11																														
B	466745	08/15/22	09/06/22	0	9	0	10																														
C	466919	08/15/22	09/06/22	0	6	0	6																														
D	466921	08/15/22	09/06/22	0	4	0	4																														
Total	TR/PG			0	28	0	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59

Shaded cells indicate Stage 3 validation (all other cells are Stage 2A validation). Sample counts do not include MS, MSD, and DUP's. V:\LOGIN\Rincon\Moffett Field, Hanger 1 NTCRA\54731ST-Wipe.wpd

LDC Report# 54731_RV4

Automated Data Review Data Validation Report
Hangar 1 NTCRA

Sample Delivery Groups

466742
466745
466919
466921

November 8, 2022

Introduction

This Data Validation Report (DVR) presents Stage 2A and Stage 3 data validation results for samples collected during the August 2022 sampling period. Data validation was performed in accordance with a modified outline of the US Environmental Protection Agency (EPA) National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020) and USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Polychlorinated Biphenyls (PCBs) by Environmental Protection Agency (EPA) Method 8082
Lead by EPA SW 846 Method 6010B

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary results. Selected samples were subjected to Stage 3 data validation, which is comprised of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

NJ Presumptive evidence of presence of the compound at an estimated quantity.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Initial Calibration and Initial Calibration Verification

8082
The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all analytes.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 20.0% for all analytes.

Initial calibration data were not reviewed for Stage 2A validation.

6010B
An initial calibration was performed as required by the method.

The initial calibration verification (ICV) standards were within QC limits.

Initial calibration data were not reviewed for Stage 2A validation.

Continuing Calibration

8082
Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all analytes.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

Continuing calibration data were not reviewed for Stage 2A validation.

6010B
Continuing calibrations were performed as required by the method.

The continuing calibration verification (CCV) standards were within QC limits.

Continuing calibration data were not reviewed for Stage 2A validation.

ICP Interference Check Sample Analysis

6010B
The frequency of interference check sample (ICS) analysis was met. All criteria were within QC limits.

Although lead was found in the ICSA standard, no qualification was necessary since the interferent concentrations in the samples were less than ninety percent of the spiked interference concentrations in the ICSA.

Interference check sample (ICS) analysis data were not reviewed for Stage 2A validation.

Laboratory Blanks

Laboratory blanks were performed as required by the methods. No contaminants were detected in the laboratory blanks.

Field Blanks

8082
Two media blanks were collected and analyzed. No contaminants were found.

6010B
Two media blanks were collected and analyzed. Two media blanks had detections for lead. The associated sample results were not detected or were significantly greater than the concentrations found in the media blank, therefore no data were qualified. The details are presented in Enclosure I.

Surrogate Spikes

8082
Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

Internal Standards

8082
All internal standard areas and retention times were within QC limits.

Internal standard data were not reviewed for Stage 2A validation.

Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for these methods, and therefore matrix spike and matrix spike duplicate analyses were not performed.The lack of MS/MSD samples for wipe samples is consistent with the UFP-QAPP for the Hangar 1 NTCRA (EKI, 2022).

Duplicate Sample Analysis

6010B
The laboratory has indicated that there were no laboratory duplicate (DUP) analyses specified for this method, and therefore laboratory duplicate analyses were not performed. The lack of laboratory duplicate samples is consistent with the UFP-QAPP for the Hangar 1 NTCRA (EKI, 2022).

Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed as required by the methods. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

Field Duplicates

8082
Three field duplicate pairs were collected and analyzed. No results were detected in the field duplicates. The field duplicates are identified in Attachment 1.

6010B
Four field duplicate pairs were collected and analyzed. All RPDs were within QC limits. The field duplicate result comparisons are presented in Enclosure I.

Target Analyte Quantitation

The laboratory reporting limits were evaluated. While the reporting limits were not achieved in accordance with the UFP-QAPP, the achieved reporting limits are acceptable with respect to the Cleanup Goals(EKI, 2022).

Overall Assessment of Data

The analyses were conducted within all specifications of the methods. No results were rejected in these SDGs.

Data flags are summarized and are presented as Attachment 2.

Attachment 1

Sample Summary Report by Analysis Method

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 466742						
Method: 6010B						
220802-L-MEDBLANK	466742-020	WIPE	FB	3050B	8/2/2022	S2AVE
ARCH-C1E-EXT-4 TO 5-220802-L-DUP-WF	466742-018	WIPE	FD	3050B	8/2/2022	S2AVE
ARCH-C1E-EXT-4 TO 5-220802-L-WF	466742-017	WIPE	N	3050B	8/2/2022	S2AVE
DOOR-N-0.3GE-INT-22 TO 23-220802-L-CB	466742-004	WIPE	N	3050B	8/2/2022	S2AVE
DOOR-N-0.3GE-PS-22-220802-L-G	466742-002	WIPE	N	3050B	8/2/2022	S2AVE
DOOR-N-0.4GE-DG-8 TO 21-220802-L-LA	466742-006	WIPE	N	3050B	8/2/2022	S2AVE
DOOR-N-0.5GE-DG-8 TO 21-220802-L-LA	466742-008	WIPE	N	3050B	8/2/2022	S2AVE
DOOR-N-0.7GE-DG-9 TO 22-220802-L-LA	466742-012	WIPE	N	3050B	8/2/2022	S2AVE
DOOR-N-0.8GE-EXT-7 TO 8-220802-L-CB	466742-014	WIPE	N	3050B	8/2/2022	S2AVE
DOOR-N-0.8GE-EXT-7 TO 8-220802-L-DUP-CB	466742-015	WIPE	FD	3050B	8/2/2022	S2AVE
DOOR-N-0.8GE-PS-22-220802-L-G	466742-010	WIPE	N	3050B	8/2/2022	S2AVE
Method: 8082						
220802-P-MEDBLANK	466742-019	WIPE	FB	3572M	8/2/2022	S2AVE
ARCH-C1E-EXT-4 TO 5-220802-P-WF	466742-016	WIPE	N	3572M	8/2/2022	S2AVE
DOOR-N-0.3GE-INT-22 TO 23-220802-P-CB	466742-003	WIPE	N	3572M	8/2/2022	S2AVE
DOOR-N-0.3GE-PS-22-220802-P-G	466742-001	WIPE	N	3572M	8/2/2022	S2AVE
DOOR-N-0.4GE-DG-8 TO 21-220802-P-LA	466742-005	WIPE	N	3572M	8/2/2022	S2AVE
DOOR-N-0.5GE-DG-8 TO 21-220802-P-LA	466742-007	WIPE	N	3572M	8/2/2022	S2AVE
DOOR-N-0.7GE-DG-9 TO 22-220802-P-LA	466742-011	WIPE	N	3572M	8/2/2022	S2AVE
DOOR-N-0.8GE-EXT-7 TO 8-220802-P-CB	466742-013	WIPE	N	3572M	8/2/2022	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Method: 8082						
DOOR-N-0.8GE-PS-22-220802-P-G	466742-009	WIPE	N	3572M	8/2/2022	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 466745						
Method: 6010B						
ARCH-C1W-EXT-4 TO 5-220802-L-WF	466745-019	WIPE	N	3050B	8/2/2022	S2AVE
ARCH-C1W-INT-2.5 TO 3.5-220802-L-WF	466745-017	WIPE	N	3050B	8/2/2022	S2AVE
DOOR-N-0.3GW-EXT-8 TO 9-220802-L-CB	466745-005	WIPE	N	3050B	8/2/2022	S2AVE
DOOR-N-0.3GW-PS-22-220802-L-G	466745-002	WIPE	N	3050B	8/2/2022	S2AVE
DOOR-N-0.4GW-DG-8 TO 21-220802-L-LA	466745-007	WIPE	N	3050B	8/2/2022	S2AVE
DOOR-N-0.5GW-PS-22-220802-L-G	466745-010	WIPE	N	3050B	8/2/2022	S2AVE
DOOR-N-0.7GW-DG-9 TO 22-220802-L-LA	466745-012	WIPE	N	3050B	8/2/2022	S2AVE
DOOR-N-0.8GW-INT-21 TO 22-220802-L-CB	466745-014	WIPE	N	3050B	8/2/2022	S2AVE
DOOR-N-0.9GW-EXT-9 TO 10-220802-L-CB	466745-015	WIPE	N	3050B	8/2/2022	S2AVE
DOOR-N-0.9GW-EXT-9 TO 10-220802-L-DUP-CB	466745-016	WIPE	FD	3050B	8/2/2022	S2AVE
Method: 8082						
ARCH-C1W-EXT-4 TO 5-220802-P-WF	466745-018	WIPE	N	3572M	8/2/2022	S2AVE
DOOR-N-0.3GW-EXT-8 TO 9-220802-P-CB	466745-003	WIPE	N	3572M	8/2/2022	S2AVE
DOOR-N-0.3GW-EXT-8 TO 9-220802-P-DUP-CB	466745-004	WIPE	FD	3572M	8/2/2022	S2AVE
DOOR-N-0.3GW-PS-22-220802-P-G	466745-001	WIPE	N	3572M	8/2/2022	S2AVE
DOOR-N-0.4GW-DG-8 TO 21-220802-P-LA	466745-006	WIPE	N	3572M	8/2/2022	S2AVE
DOOR-N-0.5GW-PS-22-220802-P-DUP-G	466745-009	WIPE	FD	3572M	8/2/2022	S2AVE
DOOR-N-0.5GW-PS-22-220802-P-G	466745-008	WIPE	N	3572M	8/2/2022	S2AVE
DOOR-N-0.7GW-DG-9 TO 22-220802-P-LA	466745-011	WIPE	N	3572M	8/2/2022	S2AVE
DOOR-N-0.8GW-INT-21 TO 22-220802-P-CB	466745-013	WIPE	N	3572M	8/2/2022	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 466919						
Method: 6010B						
DOOR-N-0.5GW-DG-7 TO 20-220805-L-LA	466919-002	WIPE	N	3050B	8/5/2022	S3VEM
DOOR-N-0.8GE-INT-20 TO 21-220805-L-CB	466919-009	WIPE	N	3050B	8/5/2022	S3VEM
DOOR-N-0.8GE-INT-20 TO 21-220805-L-DUP-CB	466919-010	WIPE	FD	3050B	8/5/2022	S3VEM
DOOR-N-0.8GW-EXT-5 TO 6-220805-L-CB	466919-004	WIPE	N	3050B	8/5/2022	S3VEM
DOOR-N-0.9GE-PS-20-220805-L-G	466919-012	WIPE	N	3050B	8/5/2022	S3VEM
DOOR-N-0.9GW-PS-21-220805-L-G	466919-007	WIPE	N	3050B	8/5/2022	S3VEM
Method: 8082						
DOOR-N-0.5GW-DG-7 TO 20-220805-P-LA	466919-001	WIPE	N	3572M	8/5/2022	S3VEM
DOOR-N-0.8GE-INT-20 TO 21-220805-P-CB	466919-008	WIPE	N	3572M	8/5/2022	S3VEM
DOOR-N-0.8GW-EXT-5 TO 6-220805-P-CB	466919-003	WIPE	N	3572M	8/5/2022	S3VEM
DOOR-N-0.9GE-PS-20-220805-P-G	466919-011	WIPE	N	3572M	8/5/2022	S3VEM
DOOR-N-0.9GW-PS-21-220805-P-DUP-G	466919-006	WIPE	FD	3572M	8/5/2022	S3VEM
DOOR-N-0.9GW-PS-21-220805-P-G	466919-005	WIPE	N	3572M	8/5/2022	S3VEM

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 466921						
Method: 6010B						
220805-L-MEDBLANK	466921-008	WIPE	FB	3050B	8/5/2022	S2AVE
DOOR-N-0.6GE-DG-5 TO 19-220805-L-LA	466921-004	WIPE	N	3050B	8/5/2022	S2AVE
DOOR-N-0.7GE-PS-19-220805-L-G	466921-006	WIPE	N	3050B	8/5/2022	S2AVE
DOOR-N-0.7GW-PS-19-220805-L-G	466921-002	WIPE	N	3050B	8/5/2022	S2AVE
Method: 8082						
220805-P-MEDBLANK	466921-007	WIPE	FB	3572M	8/5/2022	S2AVE
DOOR-N-0.6GE-DG-5 TO 19-220805-P-LA	466921-003	WIPE	N	3572M	8/5/2022	S2AVE
DOOR-N-0.7GE-PS-19-220805-P-G	466921-005	WIPE	N	3572M	8/5/2022	S2AVE
DOOR-N-0.7GW-PS-19-220805-P-G	466921-001	WIPE	N	3572M	8/5/2022	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (9/29/2022) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*

Validation Label Legend

Label Code	*Label Decription*	*EPA Level*
S1VE	Stage_1_Validation_Electronic	N/A
S1VM	Stage_1_Validation_Manual	N/A
S1VEM	Stage_1_Validation_Electronic_and_Manual	N/A
S2AVE	Stage_2A_Validation_Electronic	Level 3 w/o calibration
S2AVM	Stage_2A_Validation_Manual	Level 3 w/o calibration
S2AVEM	Stage_2A_Validation_Electronic_and_Manual	Level 3 w/o calibration
S2BVE	Stage_2B_Validation_Electronic	Level 3 with calibration
S2BVM	Stage_2B_Validation_Manual	Level 3 with calibration
S2BVEM	Stage_2B_Validation_Electronic_and_Manual	Level 3 with calibration
S3VE	Stage_3_Validation_Electronic	Level 4
S3VM	Stage_3_Validation_Manual	Level 4
S3VEM	Stage_3_Validation_Electronic_and_Manual	Level 4
S4VE	Stage_4_Validation_Electronic	Level 4
S4VM	Stage_4_Validation_Manual	Level 4
S4VEM	Stage_4_Validation_Electronic_and_Manual	Level 4
NV	Not_Validated	N/A

Attachment 2

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: 466742

Laboratory: Enthalpy Orange

EDD Filename: Prep466742

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 466745

Laboratory: Enthalpy Orange

EDD Filename: Prep466745

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 466919

Laboratory: Enthalpy Orange

EDD Filename: Prep466919

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 466921

Laboratory: Enthalpy Orange

EDD Filename: Prep466921

eQAPP Name:

No Data Review Qualifiers Applied.

Enclosure I

Validation Outlier Reports

Quality Control
Outlier Reports

466742

(No Outliers)

LDC #: 54731A3b

SDG #: 466742

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

ADR

Date: 8/25/2022

Page: 1 of 1

Reviewer: BN

2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	Initial calibration/ICV	N/N	
III.	Continuing calibration	N	
IV.	Laboratory Blanks	A	
V.	Field blanks	ND	FB= 9
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	
IX.	Field duplicates	N	
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.3GE-PS-22-220802-P-G	466742-001	Wipe	08/02/22
2	DOOR-N-0.3GE-INT-22 TO 23-220802-P-CB	466742-003	Wipe	08/02/22
3	DOOR-N-0.4GE-DG-8 TO 21-220802-P-LA	466742-005	Wipe	08/02/22
4	DOOR-N-0.5GE-DG-8 TO 21-220802-P-LA	466742-007	Wipe	08/02/22
5	DOOR-N-0.8GE-PS-22-220802-P-G	466742-009	Wipe	08/02/22
6	DOOR-N-0.7GE-DG-9 TO 22-220802-P-LA	466742-011	Wipe	08/02/22
7	DOOR-N-0.8GE-EXT-7 TO 8-220802-P-CB	466742-013	Wipe	08/02/22
8	ARCH-C1E-EXT-4 TO 5-220802-P-WF	466742-016	Wipe	08/02/22
9	220802-P-MEDBLANK	466742-019	Wipe	08/02/22
10				
11				
12				
13				

Notes:

LDC #: 54731A4b

SDG #: 466742

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

ADR

Date: 8/25/2022

Page: 1 of 1

Reviewer: BN

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	A	
V.	Field Blanks	~~SW~~ ~~N/A~~	FB= 11, Reportable no Qual
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	
X.	Field Duplicates	~~SW~~ ~~N/A~~	FD = 8/7, 10/9
XI.	Target Analyte Quantitation	N	
XII	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.3GE-PS-22-220802-L-G	466742-002	Wipe	08/02/22
2	DOOR-N-0.3GE-INT-22 TO 23-220802-L-CB	466742-004	Wipe	08/02/22
3	DOOR-N-0.4GE-DG-8 TO 21-220802-L-LA	466742-006	Wipe	08/02/22
4	DOOR-N-0.5GE-DG-8 TO 21-220802-L-LA	466742-008	Wipe	08/02/22
5	DOOR-N-0.8GE-PS-22-220802-L-G	466742-010	Wipe	08/02/22
6	DOOR-N-0.7GE-DG-9 TO 22-220802-L-LA	466742-012	Wipe	08/02/22
7	DOOR-N-0.8GE-EXT-7 TO 8-220802-L-CB	466742-014	Wipe	08/02/22
8	DOOR-N-0.8GE-EXT-7 TO 8-220802-L-DUP-CB	466742-015	Wipe	08/02/22
9	ARCH-C1E-EXT-4 TO 5-220802-L-WF	466742-017	Wipe	08/02/22
10	ARCH-C1E-EXT-4 TO 5-220802-L-DUP-WF	466742-018	Wipe	08/02/22
11	220802-L-MEDBLANK	466742-020	Wipe	08/02/22
12				
13				
14				
15				

Notes:

Field Blank Contamination Report

Lab Reporting Batch ID: 466742

Laboratory: Enthalpy Orange

EDD Filename: Prep466742

Moffett_Hangar_1_NTCRA_Enthalpy_220609

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*	*Flag*
LEAD	2.7	No Qualifiers Applied

Field Duplicate RPD Report

Lab Reporting Batch ID: 466742 **Laboratory: Enthalpy Orange**

EDD Filename: Prep466742 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	DOOR-N-0.8GE-EXT-7 TO 8-220802-L-CB	**DOOR-N-0.8GE-EXT-7 TO 8-220802-L-DUP-CB**			
LEAD	100	77	26	100.00	No Qualifiers Applied

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	ARCH-C1E-EXT-4 TO 5-220802-L-WF (TOT)	**ARCH-C1E-EXT-4 TO 5-220802-L-DUP-WF**			
LEAD	170	150	12	100.00	No Qualifiers Applied

Quality Control
Outlier Reports

466745

(No Outliers)

LDC #: 54731B3b

SDG #: 466745

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 8/25/2022

Page: 1 of 1

Reviewer: BN

2nd Reviewer:

ADR

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Initial calibration/ICV	N/N	
III.	Continuing calibration	N	
IV.	Laboratory Blanks	A	
V.	Field blanks	N	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	
IX.	Field duplicates	SW ND	FD = 3/2, 6/5
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.3GW-PS-22-220802-P-G	466745-001	Wipe	08/02/22
2	DOOR-N-0.3GW-EXT-8 TO 9-220802-P-CB	466745-003	Wipe	08/02/22
3	DOOR-N-0.3GW-EXT-8-TO 9-220802-P-DUP-CB	466745-004	Wipe	08/02/22
4	DOOR-N-0.4GW-DG-8 TO 21-220802-P-LA	466745-006	Wipe	08/02/22
5	DOOR-N-0.5GW-PS-22-220802-P-G	466745-008	Wipe	08/02/22
6	DOOR-N-0.5GW-PS-22-220802-P-DUP-G	466745-009	Wipe	08/02/22
7	DOOR-N-0.7GW-DG-9 TO 22-220802-P-LA	466745-011	Wipe	08/02/22
8	DOOR-N-0.8GW-INT-21 TO 22-220802-P-CB	466745-013	Wipe	08/02/22
9	ARCH-C1W-EXT-4 TO 5-220802-P-WF	466745-018	Wipe	08/02/22
10				
11				
12				
13				

Notes:

LDC #: 54731B4b

SDG #: 466745

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

(ADR)

Date: 9/15/2022

Page: 1 of 1

Reviewer: BN

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	A	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	
X.	Field Duplicates	~~SW~~ A	FD = 8/7
XI.	Target Analyte Quantitation	N	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.3GW-PS-22-220802-L-G	466745-002	Wipe	08/02/22
2	DOOR-N-0.3GW-EXT-8 TO 9-220802-L-CB	466745-005	Wipe	08/02/22
3	DOOR-N-0.4GW-DG-8 TO 21-220802-L-LA	466745-007	Wipe	08/02/22
4	DOOR-N-0.5GW-PS-22-220802-L-G	466745-010	Wipe	08/02/22
5	DOOR-N-0.7GW-DG-9 TO 22-220802-L-LA	466745-012	Wipe	08/02/22
6	DOOR-N-0.8GW-INT-21 TO 22-220802-L-CB	466745-014	Wipe	08/02/22
7	DOOR-N-0.9GW-EXT-9 TO 10-220802-L-CB	466745-015	Wipe	08/02/22
8	DOOR-N-0.9GW-EXT-9 TO 10-220802-L-DUP-CB	466745-016	Wipe	08/02/22
9	ARCH-C1W-INT-2.5 TO 3.5-220802-L-WF	466745-017	Wipe	08/02/22
10	ARCH-C1W-EXT-4 TO 5-220802-L-WF	466745-019	Wipe	08/02/22
11				
12				
13				
14				
15				

Notes:

Field Duplicate RPD Report

Lab Reporting Batch ID: 466745 **Laboratory: Enthalpy Orange**

EDD Filename: Prep466745 **eQAPP Name:**

Method: 6010B

Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	DOOR-N-0.9GW-EXT-9 TO 10-220802-L-CB	DOOR-N-0.9GW-EXT-9 TO 10-220802-L-DUP-			
LEAD	37	14	90	100.00	No Qualifiers Applied

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Quality Control Outlier Reports

466919

(No Outliers)

LDC #: 54731C3b
SDG #: 466919
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 8/24/22
Page: 1 of 1
Reviewer:
2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Initial calibration/ICV	A/A	%RSD ≤ 20, r² ICV ≤ 20
III.	Continuing calibration	A	CCV ≤ 20
IV.	Laboratory Blanks	A	
V.	Field blanks	~~A~~ N	
VI.	Surrogate spikes 1/5	A/A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	LCS ID
IX.	Field duplicates	SW ~~ND~~	D = 3,4
X.	Target analyte quantitation	A	
XI.	Target analyte identification	A	
XII.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.5GW-DG-7 TO 20-220805-L-LA	466919-001	Wipe	08/05/22
2	DOOR-N-0.8GW-EXT-5 TO 6-220805-P-CB	466919-003	Wipe	08/05/22
3	DOOR-N-0.9GW-PS-21-220805-P-G D	466919-005	Wipe	08/05/22
4	DOOR-N-0.9GW-PS-21-220805-P-DUP-G D	466919-006	Wipe	08/05/22
5	DOOR-N-0.8GE-INT-20 TO 21-220805-P-CB	466919-008	Wipe	08/05/22
6	DOOR-N-0.9GE-PS-220805-P-G	466919-011	Wipe	08/05/22
7				
8				
9				
10				
11				
12				
13				

Notes:

	294557						

LDC #: 54731C3b

VALIDATION FINDINGS CHECKLIST

Reviewer: FT

Method: GC HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
IIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥0.990?	✓			
Were the RT windows properly established?	✓			
IIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
Were all the retention times within the acceptance windows?	✓			
IV. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
V. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	
VI. Surrogate spikes				
Were all surrogate percent recovery (%R) within the QC limits?	✓			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
VIII. Laboratory control samples				
Was an LCS analyzed per analytical or extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			

Validation Area	Yes	No	NA	Findings/Comments
IX. Field duplicates				
Were field duplicate pairs identified in this SDG?	✓			
Were target analytes detected in the field duplicates?		✓		
X. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Target analyte identification				
Were the retention times of reported detects within the RT windows?	✓			
Were manual integrations reviewed and found acceptable?	✓			
Did the laboratory provide before and after integration printouts?	✓			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes:_____

LDC #: 54731 C3b

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer: F

METHOD: GC ✓ HPLC _____

The calibration factors (CF) and relative standard deviation (%RSD) were recalculated using the following calculations:

CF = A/C
Average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where: A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported CF (50U std)	Recalculated CF (50U std)	Reported CF (initial)	Recalculated CF (intial)	Reported %RSD	Recalculated %RSD
1	ICAL	8/8/22	Aroclor 1260-1 (A)	0.0404 0.0607	0.0404 0.0607	0.0499	0.0499	19	19
		↓	(B)	0.0481	0.0481	0.0563	0.0563	12	12
2									
3									
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54731 C36

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the target analytes identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of target analyte
C = Concentration of target analyte

#	Standard ID	Calibration Date	Target Analyte	Average CF(Ical)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1	CCV	8/10/22 0533	Aroclor 1260 ch A	500.0	447.9	447.9	10	10
			↓ ch B	↓	467.6	467.6	6	6
2								
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54731 c3b

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: ✓ GC __ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
TCMX	ch B	0.8986	0.7429	83	83	0
DCB	↓	↓	0.6598	73	73	↓

Sample ID:

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene	Y	Tetrachloro-m- xylene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene	Z	2-Bromonaphthalene
C	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decachlorobiphenyl (DCB)	U	Tripentyltin	AA	Chloro-octadecane
D	Bromochlorobenene	J	n-Triacontane	P	1-methylnaphthalene	V	Tri-n-propyltin	BB	2,4-Dichlorophenylacetic acid
E	1,4-Dichlorobutane	K	Hexacosane	Q	Dichlorophenyl Acetic Acid (DCAA)	W	Tributyl Phosphate	CC	2,5-Dibromotoluene
F	1,4-Difluorobenzene (DFB)	L	Bromobenzene	R	4-Nitrophenol	X	Triphenyl Phosphate		

LDC #: 54731 C3b

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: ✓ GC __HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the target analytes identified below using the following calculation:

%Recovery = 100 * (SSC/SA)
RPD =(({SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration
LCS = Laboratory Control Sample
SA = Spike added
LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: 294557

Compound	Spike Added (ug/100cm²)		Spike Sample Concentration (ug/100 cm²)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1260	5.0	5.0	5.677	5.962	114	114	119	119	5	5

Comments: _____

LDC #: 54731C3b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT

METHOD: / GC __ HPLC

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

Concentration= $\frac{(A)(Fv)(Df)}{(RF)(Vs \text{ or } Ws)(\%S/100)}$

A= Area or height of the target analyte to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the target analyte In the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. 294557 LCS Aroclor 1260

Concentration = $\frac{567.6\ (10)}{(1000)}$ = 5.676

#	Sample ID	Target analyte	Reported Concentrations (ug/100 cm²)	Recalculated Results Concentrations (ug/100 cm²)	Qualifications
	LCS	Aroclor 1260	5.677	5.677	
	1260-1 = 2258223.00 (20)		1260-1	= 557.83	
	1455273.78 (0.0563)		2	= 546.8	
			3	= 516.3	
		= 557.83	4	= 623.0	
			5	= 594.2	
				567.6	

Comments: _____

LDC #: 54731C4b

SDG #: 466919

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 3

Date: 8/23/22

Page: 1 of 1

Reviewer: ATL

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	SW	
IV.	Laboratory Blanks	A	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	C.S
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	SW	(4,5) see ADR report
XI.	Target Analyte Quantitation	A	
XII	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.5GW-DG-7 TO 20-220805-L-LA	466919-002	Wipe	08/05/22
2	DOOR-N-0.8GW-EXT-5 TO 6-220805-L-CB	466919-004	Wipe	08/05/22
3	DOOR-N-0.9GW-PS-21-220805-L-G	466919-007	Wipe	08/05/22
4	DOOR-N-0.8GE-INT-20 TO 21-220805-L-CB	466919-009	Wipe	08/05/22
5	DOOR-N-0.8GE-INT-20 TO 21-220805-L-DUP-CB	466919-010	Wipe	08/05/22
6	DOOR-N-0.9GE-PS-20-220805-L-G	466919-012	Wipe	08/05/22
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
I. Technical holding times				
Were all technical holding times met?	✓			
Were all water samples preserved to a pH of <2.			✓	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			✓	
Were %RSDs of isoptoes in the tuning solution ≤5%?			✓	
III. Calibration				
Were all instruments calibrated daily?	✓			
Were the proper standards used?	✓			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	✓			
Were the low level standard checks within 70-130%?			✓	
Were all initial calibration correlation coefficients within limits as specifed by the method?	✓			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks?		✓		
Was there contamination in the initial and continuing calibration blanks?		✓		
V. Interference Check Sample				
Were the interference check samples performed daily?	✓			
Were the AB solution recoveries within 80-120%?	✓			
VI. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			✓	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			✓	
VII. Laboratory Control Samples				
SDG?	✓			

Were the LCS recoveries and RPDs (if applicable) within QC limits?	✓			
METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
VIII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			✓	
If the recoveries were outside the limits, was a reanalysis performed?			✓	
IX. Serial Dilution				
Were all percent differences <10%?			✓	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			✓	
X. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?	✓			
Were all soil samples dry weight corrected?			✓	
XI. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	✓			
XII. Field Duplicates				
Were field duplicates identifed in this SDG?	✓			
Were target analytes detected in the field duplicates?	✓			
XIII. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	

LDC #: 54731C4b

VALIDATION FINDINGS WORKSHEET
ICP Interference Check Sample

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Were ICP interference check samples performed as required?

(Y) N N/A Were the AB solution percent recoveries (%R) within the control limits of 80-120% ?

LEVEL IV ONLY:

(Y) N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	Date	ICS Identification	Analyte	Finding	Associated Samples	Qualifications
	08/08/22	ICSA (9:57)	Pb	0.004818 (≤ 0.0033)	all	no qual (samples interferents < ICSA)

Comments:

LDC #: 54731C4b

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

Reviewer: ATL

METHOD: Trace metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

$$\%R = \frac{\text{Found}}{\text{True}} \times 100$$

Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (~~ug/L~~ mg/L)	True (~~ug/L~~ mg/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
	ICP (Low Level calibration)						
	ICP/MS (Low Level calibration)						
ICV	ICP (Initial calibration)	Pb	1.014	1.000	101	101	Y
	ICP/MS (Initial calibration)						
	CVAA (Initial calibration)						
CCV	ICP (Continuing calibration) 8/8 @ 12:37	Pb	1.044	1.000	104	104	Y
	ICP/MS (Continuing calibration)						
	CVAA (Continuing calibration)						

ICP-MS TUNE	Calculation	Mass	Actual (Mean Counts / Axis)	Required (Counts / Axis)	Recalculated %RSD	Acceptable (Y/N)
	Mass Axis			± 0.1 AMU	NA	
	%RSD			≤ 5% RSD		

Comments:

LDC #: 54731C4b

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

$\%D = \frac{|I-SDR|}{I} \times 100$ Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	µg/ft2 Found / S / I (units)	µg/ft2 True / D / SDR (units)	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
ICSAB	ICP interference check	Pb	0.9984 mg/L	1.000 mg/L	100	100	Y
LCS	Laboratory control sample	Pb	109.771	100.00	110	110	Y
	Matrix spike		(SSR-SR)				
	Duplicate						
	Post digestion spike						
	ICP serial dilution						

Comments: _____

LDC #: 54731C4b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Have results been reported and calculated correctly?
(Y) N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
(Y) N N/A Are all detection limits below the CRDL?

Detected analyte results for Pb were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

Recalculation: #4

$1.1511 \times \left(\frac{100}{1.12}\right) = 102.777$

#	Sample ID	Analyte	Reported Concentration (µg/L)	Calculated Concentration (µg/L)	Acceptable (Y/N)
	1	Pb	120	116	Y
	2	Pb	120	120.547	Y
	3	Pb	150	145.10	Y
	4	Pb	100	102.777	Y
	5	Pb	380	376.077	Y
	6	Pb	180	183.091	Y

Note: _____

Field Duplicate RPD Report

Lab Reporting Batch ID: 466919 **Laboratory: Enthalpy Orange**

EDD Filename: Prep466919 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	DOOR-N-0.8GE-INT-20 TO 21-220805-L-CB	DOOR-N-0.8GE-INT-20 TO 21-220805-L-DUP-			
LEAD	100	380	117	100.00	No Qualifiers Applied

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Quality Control
Outlier Reports

466921

(No Outliers)

LDC #: 54731D3b

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 8/15/2022

SDG #: 466921

Page: 1 of 1

Laboratory: Enthalpy Analytical, Orange, CA

ADR

Reviewer: AN

2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Initial calibration/ICV	N/N	
III.	Continuing calibration	N	
IV.	Laboratory Blanks	A	
V.	Field blanks	ND	FB = 4
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	
IX.	Field duplicates	N	
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.7GW-PS-19-220805-P-G	466921-001	Wipe	08/05/22
2	DOOR-N-0.7GE-DG-5 TO 19-220805-P-LA	466921-003	Wipe	08/05/22
3	DOOR-N-0.7GE-PS-19-220805-P-G	466921-005	Wipe	08/05/22
4	220805-P-MEDBLANK	466921-007	Wipe	08/05/22
5				
6				
7				
8				
9				
10				
11				
12				
13				

Notes:

LDC #: 54731D4b

SDG #: 466921

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

ADR

Date: 9/25/2022

Page: 1 of 1

Reviewer: BN

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	A	
V.	Field Blanks	~~NBA~~	FB=4, Result no Qual
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	
X.	Field Duplicates	N	
XI.	Target Analyte Quantitation	N	
XII	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.7GW-PS-19-220805-L-G	466921-002	Wipe	08/05/22
2	DOOR-N-0.7GE-DG-5 TO 19-220805-L-LA	466921-004	Wipe	08/05/22
3	DOOR-N-0.7GE-PS-19-220805-L-G	466921-006	Wipe	08/05/22
4	220805-L-MEDBLANK	466921-008	Wipe	08/05/22
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes:

Field Blank Contamination Report

Lab Reporting Batch ID: 466921

Laboratory: Enthalpy Orange

EDD Filename: Prep466921

Moffett_Hangar_1_NTCRA_Enthalpy_220609

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*	*Flag*
LEAD	2.7	No Qualifiers Applied

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Rincon Consultants, Inc.
250 E. 1st Street Suite 1400
Los Angeles, CA - 90012
ATTN: Mr. Ryan Thacher
rthacher@rinconconsultants.com

February 28, 2023

SUBJECT: Hangar 1 NTCRA - Data Validation

Dear Mr. Thacher,

Enclosed are the final validation reports for the fraction listed below. These SDGs were received on August 15, 2022. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #54868_A-B, D_RV2:

SDG #	Fraction
467095 467181 467435	Polychlorinated Biphenyls, Lead

The data validation was performed under Stage 2A & 3 guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020)
- USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
Project Manager/Senior Chemist
pgeng@lab-data.com

88 pages-ADV EDD

Attachment 1

Stage 2A/3 (client select) **LDC# 54868 (Rincon Consultants, Inc., Los Angeles, CA / Hanger 1 NTCRA)** **Project# 20-10491**

LDC	SDG#	DATE REC'D	(3) DATE DUE	PCBs (8082)		Pb (6010B)																															
Matrix:	Water/Soil/Wipe			W	WP	W	WP	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	467095	08/25/22	09/16/22	0	8	0	6																														
B	467181	08/25/22	09/16/22	0	7	0	9																														
D	467435	08/25/22	09/16/22	-	-	0	2																														
Total	TR/PG			0	15	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32

Shaded cells indicate Stage 3 validation (all other cells are Stage 2A validation). Sample counts do not include MS, MSD, and DUPs.

LDC Report# 54868_RV1

Automated Data Review Data Validation Report
Hangar 1 NTCRA

Sample Delivery Groups

467095
467181
467435

October 19, 2022

Introduction

This Data Validation Report (DVR) presents Stage 2A data validation results for samples collected during the August 2022 sampling period. Data validation was performed in accordance with a modified outline of the US Environmental Protection Agency (EPA) National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020) and USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Polychlorinated Biphenyls (PCBs) by EPA SW 846 Method 8082
Lead by EPA SW 846 Method 6010B

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

NJ Presumptive evidence of presence of the compound at an estimated quantity.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Laboratory Blanks

Laboratory blanks were performed as required by the methods. No contaminants were detected in the laboratory blanks.

Field Blanks

8082
One media blank was collected and analyzed. No contaminants were found.

6010B
One media blank was collected and analyzed. One media blank had detections for lead. The associated sample results were not detected or were significantly greater than the concentrations found in the media blank, therefore no data were qualified. The details are presented in Enclosure I.

Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for this method, and therefore matrix spike and matrix spike duplicate analyses were not performed. The lack of MS/MSD samples for wipe samples is consistent with the UFP-QAPP for the Hangar 1 NTCRA (EKI, 2022).

Duplicate Sample Analysis

6010B
The laboratory has indicated that there were no laboratory duplicate (DUP) analyses specified for this method, and therefore laboratory duplicate analyses were not performed. The lack of laboratory duplicate samples is consistent with the UFP-QAPP for the Hangar 1 NTCRA (EKI, 2022).

Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the methods. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

Field Duplicates

8082
Two field duplicate pairs were collected and analyzed. No results were detected in the field duplicates. The field duplicates are identified in Attachment 1.

6010B
Two field duplicate pairs were collected and analyzed. All RPDs were within QC limits. The field duplicate result comparisons are presented in Enclosure I.

Target Analyte Quantitation

The laboratory reporting limits were evaluated. While the reporting limits were not achieved in accordance with the UFP-QAPP, the achieved reporting limits are acceptable with respect to the Cleanup Goals (EKI, 2022).

Overall Assessment of Data

The analyses were conducted within all specifications of the methods. No results were rejected in these SDGs.

Data flags are summarized and are presented as Attachment 2.

Attachment 1

Sample Summary Report by Analysis Method

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 467095						
Method: 6010B						
DOOR-N-0.6GE-DG-3 TO 17-220808-L-G	467095-010	WIPE	N	3050B	8/8/2022	S2AVE
DOOR-N-0.6GW-DG-3 TO 17-220808-L-G	467095-002	WIPE	N	3050B	8/8/2022	S2AVE
DOOR-N-0.7GE-INT-16 TO 17-220808-L-CB	467095-012	WIPE	N	3050B	8/8/2022	S2AVE
DOOR-N-0.8GE-PS-17-220808-L-LA	467095-014	WIPE	N	3050B	8/8/2022	S2AVE
DOOR-N-0.8GW-DG-3 TO 17-220808-L-G	467095-004	WIPE	N	3050B	8/8/2022	S2AVE
DOOR-N-0.9GW-DG-4 TO 17-220808-L-LA	467095-007	WIPE	N	3050B	8/8/2022	S2AVE
Method: 8082						
DOOR-N-0.6GE-DG-3 TO 17-220808-P-DUP-G	467095-009	WIPE	FD	3572M	8/8/2022	S2AVE
DOOR-N-0.6GE-DG-3 TO 17-220808-P-G	467095-008	WIPE	N	3572M	8/8/2022	S2AVE
DOOR-N-0.6GW-DG-3 TO 17-220808-P-G	467095-001	WIPE	N	3572M	8/8/2022	S2AVE
DOOR-N-0.7GE-INT-16 TO 17-220808-P-CB	467095-011	WIPE	N	3572M	8/8/2022	S2AVE
DOOR-N-0.8GE-PS-17-220808-P-LA	467095-013	WIPE	N	3572M	8/8/2022	S2AVE
DOOR-N-0.8GW-DG-3 TO 17-220808-P-G	467095-003	WIPE	N	3572M	8/8/2022	S2AVE
DOOR-N-0.9GW-DG-4 TO 17-220808-P-DUP-LA	467095-006	WIPE	FD	3572M	8/8/2022	S2AVE
DOOR-N-0.9GW-DG-4 TO 17-220808-P-LA	467095-005	WIPE	N	3572M	8/8/2022	S2AVE

Crossed out Sample IDs not collected in the Low Occupancy Area of Zone 1

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 467095						
Method: 6010B						
DOOR-N-0.6GE-DG-3 TO 17-220808-L-G	467095-010	WIPE	N	3050B	8/8/2022	S2AVE
DOOR-N-0.6GW-DG-3 TO 17-220808-L-G	467095-002	WIPE	N	3050B	8/8/2022	S2AVE
DOOR-N-0.7GE-INT-16 TO 17-220808-L-CB	467095-012	WIPE	N	3050B	8/8/2022	S2AVE
DOOR-N-0.8GE-PS-17-220808-L-LA	467095-014	WIPE	N	3050B	8/8/2022	S2AVE
DOOR-N-0.8GW-DG-3 TO 17-220808-L-G	467095-004	WIPE	N	3050B	8/8/2022	S2AVE
DOOR-N-0.9GW-DG-4 TO 17-220808-L-LA	467095-007	WIPE	N	3050B	8/8/2022	S2AVE
Method: 8082						
DOOR-N-0.6GE-DG-3 TO 17-220808-P-DUP-G	467095-009	WIPE	FD	3572M	8/8/2022	S2AVE
DOOR-N-0.6GE-DG-3 TO 17-220808-P-G	467095-008	WIPE	N	3572M	8/8/2022	S2AVE
DOOR-N-0.6GW-DG-3 TO 17-220808-P-G	467095-001	WIPE	N	3572M	8/8/2022	S2AVE
DOOR-N-0.7GE-INT-16 TO 17-220808-P-CB	467095-011	WIPE	N	3572M	8/8/2022	S2AVE
DOOR-N-0.8GE-PS-17-220808-P-LA	467095-013	WIPE	N	3572M	8/8/2022	S2AVE
DOOR-N-0.8GW-DG-3 TO 17-220808-P-G	467095-003	WIPE	N	3572M	8/8/2022	S2AVE
DOOR-N-0.9GW-DG-4 TO 17-220808-P-DUP-LA	467095-006	WIPE	FD	3572M	8/8/2022	S2AVE
DOOR-N-0.9GW-DG-4 TO 17-220808-P-LA	467095-005	WIPE	N	3572M	8/8/2022	S2AVE

Crossed out Sample IDs not collected in the Low Occupancy Area of Zone 1

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 467181						
Method: 6010B						
220809-L-MEDBLANK	467181-016	WIPE	FB	3050B	8/9/2022	S2AVE
DOOR-N-0.5GW-INT-1 TO 16-220809-L-CB	467181-002	WIPE	N	3050B	8/9/2022	S2AVE
DOOR-N-0.7GE-PS-16-220809-L-DUP-LA	467181-012	WIPE	FD	3050B	8/9/2022	S2AVE
DOOR-N-0.7GE-PS-16-220809-L-LA	467181-011	WIPE	N	3050B	8/9/2022	S2AVE
DOOR-N-0.7GW-EXT-2 TO 3-220809-L-CB	467181-006	WIPE	N	3050B	8/9/2022	S2AVE
DOOR-N-0.7GW-EXT-2 TO 3-220809-L-DUP-CB	467181-007	WIPE	FD	3050B	8/9/2022	S2AVE
DOOR-N-0.7GW-PS-16-220809-L-LA	467181-004	WIPE	N	3050B	8/9/2022	S2AVE
DOOR-N-0.9GE-INT-1 TO 16-220809-L-CB	467181-014	WIPE	N	3050B	8/9/2022	S2AVE
DOOR-N-0.9GW-INT-1 TO 16-220809-L-CB	467181-009	WIPE	N	3050B	8/9/2022	S2AVE
Method: 8082						
220809-P-MEDBLANK	467181-015	WIPE	FB	3572M	8/9/2022	S2AVE
DOOR-N-0.5GW-INT-1 TO 16-220809-P-CB	467181-001	WIPE	N	3572M	8/9/2022	S2AVE
DOOR-N-0.7GE-PS-16-220809-P-LA	467181-010	WIPE	N	3572M	8/9/2022	S2AVE
DOOR-N-0.7GW-EXT-2 TO 3-220809-P-CB	467181-005	WIPE	N	3572M	8/9/2022	S2AVE
DOOR-N-0.7GW-PS-16-220809-P-LA	467181-003	WIPE	N	3572M	8/9/2022	S2AVE
DOOR-N-0.9GE-INT-1 TO 16-220809-P-CB	467181-013	WIPE	N	3572M	8/9/2022	S2AVE
DOOR-N-0.9GW-INT-1 TO 16-220809-P-CB	467181-008	WIPE	N	3572M	8/9/2022	S2AVE

Crossed out Sample IDs not collected in the Low Occupancy Area of Zone 1

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (9/30/2022) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 467435						
Method: 6010B						
DOOR-N-0.7GE-PS-19-220815-L-G	467435-002	WIPE	N	3050B	8/15/2022	S2AVE
DOOR-N-0.7GW-PS-19-220815-L-G	467435-001	WIPE	N	3050B	8/15/2022	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (9/30/2022) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*

Validation Label Legend

Label Code	*Label Decription*	*EPA Level*
S1VE	Stage_1_Validation_Electronic	N/A
S1VM	Stage_1_Validation_Manual	N/A
S1VEM	Stage_1_Validation_Electronic_and_Manual	N/A
S2AVE	Stage_2A_Validation_Electronic	Level 3 w/o calibration
S2AVM	Stage_2A_Validation_Manual	Level 3 w/o calibration
S2AVEM	Stage_2A_Validation_Electronic_and_Manual	Level 3 w/o calibration
S2BVE	Stage_2B_Validation_Electronic	Level 3 with calibration
S2BVM	Stage_2B_Validation_Manual	Level 3 with calibration
S2BVEM	Stage_2B_Validation_Electronic_and_Manual	Level 3 with calibration
S3VE	Stage_3_Validation_Electronic	Level 4
S3VM	Stage_3_Validation_Manual	Level 4
S3VEM	Stage_3_Validation_Electronic_and_Manual	Level 4
S4VE	Stage_4_Validation_Electronic	Level 4
S4VM	Stage_4_Validation_Manual	Level 4
S4VEM	Stage_4_Validation_Electronic_and_Manual	Level 4
NV	Not_Validated	N/A

Attachment 2

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: 467095

Laboratory: Enthalpy Orange

EDD Filename: Prep467095

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 467181

Laboratory: Enthalpy Orange

EDD Filename: Prep467181

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 467435

Laboratory: Enthalpy Orange

EDD Filename: Prep467435

eQAPP Name:

No Data Review Qualifiers Applied.

Enclosure I

Validation Outlier Reports

Quality Control Outlier Reports

467095

(No Outliers)

Samples from SDG 467095 not collected in Low Occupancy Area of Zone 1

LDC #: 54868A3b
SDG #: 467095
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 2A

Date: 9/30/2022
Page: ___of___
Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Initial calibration/ICV	N/N	
III.	Continuing calibration	N	
IV.	Laboratory Blanks	A	MB
V.	Field blanks	N	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	LCS/LCSD
IX.	Field duplicates	ND	FD=6/5, 4/3
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.6GW-DG-3 TO 17-220808-P-G	467095-001	Wipe	08/08/22
2	DOOR-N-0.8GW-DG-3 TO 17-220808-P-G	467095-003	Wipe	08/08/22
3	DOOR-N-0.9GW-DG-4 TO 17-220808-P-LA	467095-005	Wipe	08/08/22
4	DOOR-N-0.9GW-DG-4 TO 17-220808-P-DUP-LA	467095-006	Wipe	08/08/22
5	DOOR-N-0.6GE-DG-3 TO 17-220808-P-G	467095-008	Wipe	08/08/22
6	DOOR-N-0.6GE-DG-3 TO 17-220808-P-DUP-G	467095-009	Wipe	08/08/22
7	DOOR-N-0.7GE-INT-16 TO 17-220808-P-CB	467095-011	Wipe	08/08/22
8	DOOR-N-0.8GE-PS-17-220808-P-LA	467095-013	Wipe	08/08/22
9				
10				
11				
12				
13				

Notes:

LDC #: 54868A4b

SDG #: 467095

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 9/20/2022

Page: ___ of ___

Reviewer: BN

2nd Reviewer: [signature]

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	A	MB
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	N	
XI.	Target Analyte Quantitation	N	
XII	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.6GW-DG-3 TO 17-220808-L-G	467095-002	Wipe	08/08/22
2	DOOR-N-0.8GW-DG-3 TO 17-220808-L-G	467095-004	Wipe	08/08/22
3	DOOR-N-0.9GW-DG-4 TO 17-220808-L-LA	467095-007	Wipe	08/08/22
4	DOOR-N-0.6GE-DG-3 TO 17-220808-L-G	467095-010	Wipe	08/08/22
5	DOOR-N-0.7GE-INT-16 TO 17-220808-L-CB	467095-012	Wipe	08/08/22
6	DOOR-N-0.8GE-PS-17-220808-L-LA	467095-014	Wipe	08/08/22
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes:

Quality Control Outlier Reports

467181

Samples from SDG 467181 not collected in Low Occupancy Area of Zone 1

LDC #: 54868B3b

SDG #: 467181

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 9/30/2022

Page: ___ of ___

Reviewer: [illegible]

2nd Reviewer: [illegible]

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Initial calibration/ICV	N/N	
III.	Continuing calibration	N	
IV.	Laboratory Blanks	A	MB
V.	Field blanks	ND	FB = 7
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	LCS/LCSD
IX.	Field duplicates	N	
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.5GW-INT-1 TO 16-220809-P-CB	467181-001	Wipe	08/09/22
2	DOOR-N-0.7GW-PS-16-220809-P-LA	467181-003	Wipe	08/09/22
3	DOOR-N-0.7GW-EXT-2 TO 3-220809-P-CB	467181-005	Wipe	08/09/22
4	DOOR-N-0.9GW-INT-1 TO 16-220809-P-CB	467181-008	Wipe	08/09/22
5	DOOR-N-0.7GE-PS-16-220809-P-LA	467181-010	Wipe	08/09/22
6	DOOR-N-0.9GE-INT-1 TO 16-220809-P-CB	467181-013	Wipe	08/09/22
7	DOOR-P-MEDBLANK	467181-015	Wipe	08/09/22
8				
9				
10				
11				
12				
13				

Notes:

LDC #: 54868B4b
SDG #: 467181
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 2A

Date: 9/30/2022
Page: of
Reviewer: BM
2nd Reviewer: CF

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	A	MB
V.	Field Blanks	SW	FB= 9 , Result = 7.8 no Qual
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	SW	FD= 4/3, 7/6
XI.	Target Analyte Quantitation	N	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.5GW-INT-1 TO 16-220809-L-CB	467181-002	Wipe	08/09/22
2	DOOR-N-0.7GW-PS-16-220809-L-LA	467181-004	Wipe	08/09/22
3	DOOR-N-0.7GW-EXT-2 TO 3-220809-L-CB	467181-006	Wipe	08/09/22
4	DOOR-N-0.7GW-EXT-2 TO 3-220809-L-DUP-CB	467181-007	Wipe	08/09/22
5	DOOR-N-0.9GW-INT-1 TO 16-220809-L-CB	467181-009	Wipe	08/09/22
6	DOOR-N-0.7GE-PS-16-220809-L-LA	467181-011	Wipe	08/09/22
7	DOOR-N-0.7GE-PS-16-220809-L-DUP-LA	467181-012	Wipe	08/09/22
8	DOOR-N-0.9GE-INT-1 TO 16-220809-L-CB	467181-014	Wipe	08/09/22
9	DOOR-L-MEDBLANK	467181-016	Wipe	08/09/22
10				
11				
12				
13				
14				
15				

Notes:

Field Blank Contamination Report

Lab Reporting Batch ID: 467181

Laboratory: Enthalpy Orange

EDD Filename: Prep467181

Moffett_Hangar_1_NTCRA_Enthalpy_220609

Method: 6010B
Matrix: WIPE

Analyte	*Sample*	*Concentration (ug/ft2)*	*Flag*
LEAD	220809-L-MEDBLANK	7.8	No Qualifiers Applied

Field Duplicate RPD Report

Lab Reporting Batch ID: 467181 **Laboratory: Enthalpy Orange**

EDD Filename: Prep467181 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	DOOR-N-0.7GE-PS-16-220809-L-LA	**DOOR-N-0.7GE-PS-16-220809-L-DUP-**			
LEAD	250	140	56	100.00	No Qualifiers Applied

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	DOOR-N-0.7GW-EXT-2 TO 3-220809-L-CB	**DOOR-N-0.7GW-EXT-2 TO 3-220809-L-DUP-CB**			
LEAD	54	66	20	100.00	No Qualifiers Applied

Quality Control Outlier Reports

467435

(No Outliers)

LDC #: 54868D4b

SDG #: 467435

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 9/30/2022

Page: ___ of ___

Reviewer: [illegible]

2nd Reviewer: [illegible]

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	A	MB
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	N	
XI.	Target Analyte Quantitation	N	
XII	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.7GW-PS-19-220815-L-G	467435-001	Wipe	08/15/22
2	DOOR-N-0.7GE-PS-19-220815-L-G	467435-002	Wipe	08/15/22
3				
4				
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7				
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12				
13				
14				
15				

Notes: _____

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Rincon Consultants, Inc.
250 E. 1st Street Suite 1400
Los Angeles, CA - 90012
ATTN: Mr. Ryan Thacher
rthacher@rinconconsultants.com

February 28, 2023

SUBJECT: Hangar 1 NTCRA - Data Validation

Dear Mr. Thacher,

Enclosed are the final validation reports for the fraction listed below. These SDGs were received on August 25, 2022. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #54868_C_RV2:

SDG #	Fraction
467322	Polychlorinated Biphenyls, Lead

The data validation was performed under Stage 2A & 3 guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020)
- USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
Project Manager/Senior Chemist
pgeng@lab-data.com

88 pages-ADV EDD

Attachment 1

Stage 2A/3 (client select) **LDC# 54868 (Rincon Consultants, Inc., Los Angeles, CA / Hanger 1 NTCRA)** **Project# 20-10491**

LDC	SDG#	DATE REC'D	(3) DATE DUE	PCBs (8082)		Pb (6010B)																													
Matrix: Water/Soil/Wipe				W	WP	W	WP	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	467095	08/25/22	09/16/22	0	8	0	6																												
B	467181	08/25/22	09/16/22	0	7	0	9																												
C	467322	08/25/22	09/16/22	0	2	0	1																												
D	467435	08/25/22	09/16/22	-	-	0	2																												
Total	TR/PG			0	17	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35

Shaded cells indicate Stage 3 validation (all other cells are Stage 2A validation). Sample counts do not include MS, MSD, and DUP's. V:\LOGIN\Rincon\Moffett Field, Hanger 1 NTCRA\54868ST-Wipe.wpd

LDC Report# 54868C_RV1

Automated Data Review Data Validation Report
Hangar 1 NTCRA

Sample Delivery Group

467322

October 19, 2022

Introduction

This Data Validation Report (DVR) presents Stage 3 data validation results for samples collected during the August 2022 sampling period. Data validation was performed in accordance with a modified outline of the US Environmental Protection Agency (EPA) National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020) and USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Polychlorinated Biphenyls (PCBs) by EPA SW 846 Method 8082
Lead by EPA SW 846 Method 6010B

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 3 data validation, which comprises an evaluation of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

NJ Presumptive evidence of presence of the compound at an estimated quantity.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Initial Calibration and Initial Calibration Verification

8082
The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all analytes.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 20.0% for all analytes.

6010B
An initial calibration was performed as required by the method.

The initial calibration verification (ICV) standards were within QC limits.

Continuing Calibration

8082
Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all analytes.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

6010B
Continuing calibrations were performed as required by the method.

The continuing calibration verification (CCV) standards were within QC limits.

ICP Interference Check Sample Analysis

6010B
The frequency of interference check sample (ICS) analysis was met. All criteria were within QC limits.

Laboratory Blanks

Laboratory blanks were performed as required by the methods. No contaminants were detected in the laboratory blanks.

Field Blanks

No field blanks were identified in this SDG.

Surrogate Spikes

8082
Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

Internal Standards

8082
All internal standard areas and retention times were within QC limits.

Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for these methods, and therefore matrix spike and matrix spike duplicate analyses were not performed. The lack of MS/MSD samples for wipe samples is consistent with the UFP-QAPP for the Hangar 1 NTCRA (EKI, 2022).

Duplicate Sample Analysis

6010B
The laboratory has indicated that there were no laboratory duplicate (DUP) analyses specified for this method, and therefore laboratory duplicate analyses were not performed. The lack of laboratory duplicate samples is consistent with the UFP-QAPP for the Hangar 1 NTCRA (EKI, 2022).

Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed as required by the methods. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

Field Duplicates

8082
One field duplicate pair was collected and analyzed. No results were detected in the field duplicates. The field duplicates are identified in Attachment 1.

6010B
No field duplicates were identified in this SDG.

Target Analyte Quantitation

The laboratory reporting limits were evaluated. While the reporting limits were not achieved in accordance with the UFP-QAPP, the achieved reporting limits are acceptable with respect to the Cleanup Goals (EKI, 2022).

Overall Assessment of Data

The analyses were conducted within all specifications of the methods. No results were rejected in this SDG.

Data flags are summarized and are presented as Attachment 2.

Attachment 1

Sample Summary Report by Analysis Method

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 467322						
Method: 6010B						
DOOR-N-0.5GE-PS-21-220811-L-G	467322-003	WIPE	N	3050B	8/11/2022	S3VEM
Method: 8082						
DOOR-N-0.5GE-PS-21-220811-P-DUP-G	467322-002	WIPE	FD	3572M	8/11/2022	S3VEM
DOOR-N-0.5GE-PS-21-220811-P-G	467322-001	WIPE	N	3572M	8/11/2022	S3VEM

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (10/3/2022) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*

Validation Label Legend

Label Code	*Label Decription*	*EPA Level*
S1VE	Stage_1_Validation_Electronic	N/A
S1VM	Stage_1_Validation_Manual	N/A
S1VEM	Stage_1_Validation_Electronic_and_Manual	N/A
S2AVE	Stage_2A_Validation_Electronic	Level 3 w/o calibration
S2AVM	Stage_2A_Validation_Manual	Level 3 w/o calibration
S2AVEM	Stage_2A_Validation_Electronic_and_Manual	Level 3 w/o calibration
S2BVE	Stage_2B_Validation_Electronic	Level 3 with calibration
S2BVM	Stage_2B_Validation_Manual	Level 3 with calibration
S2BVEM	Stage_2B_Validation_Electronic_and_Manual	Level 3 with calibration
S3VE	Stage_3_Validation_Electronic	Level 4
S3VM	Stage_3_Validation_Manual	Level 4
S3VEM	Stage_3_Validation_Electronic_and_Manual	Level 4
S4VE	Stage_4_Validation_Electronic	Level 4
S4VM	Stage_4_Validation_Manual	Level 4
S4VEM	Stage_4_Validation_Electronic_and_Manual	Level 4
NV	Not_Validated	N/A

Attachment 2

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: 467322

Laboratory: Enthalpy Orange

EDD Filename: Prep467322

eQAPP Name:

No Data Review Qualifiers Applied.

Enclosure I

Validation Outlier Reports

Quality Control
Outlier Reports

467322

(No Outliers)

LDC #: 54868C3b
SDG #: 467322
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 10/3/22
Page: 1 of 1
Reviewer:
2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A	
II.	Initial calibration/ICV	A/A	RSD≤20% |r|≤1
III.	Continuing calibration	A	%D≤20%
IV.	Laboratory Blanks	A	
V.	Field blanks	N	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	cs
VIII.	Laboratory control samples	A	LCS/D
IX.	Field duplicates	ND	D=1+2 - see cover letter
X.	Target analyte quantitation	A	
XI.	Target analyte identification	A	
XII.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.5GE-PS-21-220811-P-G	467322-001	Wipe	08/11/22
2	DOOR-N-0.5GE-PS-21-220811-P-DUP-G	467322-002	Wipe	08/11/22
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				

Notes:

LDC #: 54868C2b

VALIDATION FINDINGS CHECKLIST

Method: __GC __HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
IIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥0.990?		✓		
Were the RT windows properly established?	✓		✓	
IIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
Were all the retention times within the acceptance windows?	✓			
IV. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
V. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	
VI. Surrogate spikes				
Were all surrogate percent recovery (%R) within the QC limits?	✓			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?	-	✓		
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
VIII. Laboratory control samples				
Was an LCS analyzed per analytical or extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			

Validation Area	Yes	No	NA	Findings/Comments
IX. Field duplicates				
Were field duplicate pairs identified in this SDG?	✓			
Were target compounds detected in the field duplicates?		✓		
X. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Target compound identification				
Were the retention times of reported detects within the RT windows?	✓			
XIII. Overall assessment of data	✓			
Overall assessment of data was found to be acceptable.				

LDC #: 51363c3b

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: [illegible]

METHOD: GC ✓ HPLC _____

The calibration factors (CF) and relative standard deviation (%RSD) were recalculated using the following calculations:

CF = A/C
Average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where: A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported CF (50 std)	Recalculated CF (50 std)	Reported Ave CF (initial)	Recalculated Ave CF (intial)	Reported %RSD	Recalculated %RSD
1	ICAL	8/14/23	PCB-1260(1) (Aroclor)	0.0632	0.0632	0.0506	0.0506	20	20
			V (PCB)	0.0633	0.0633	0.0542	0.0542	16	16
2									
3									
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54868c3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: A

METHOD: ___ GC_HPLC

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of compound
C = Concentration of compound

#	Standard ID	Calibration Date	Compound	Average CF(ical)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1	081T2008	8/17/20	PCB-1260 (dup)	500.0	565.6	565.4	13	13
			↓ (dup)	↓	572.6	572.7	15	15
2								
3								
4								

LDC #: 54858c2b

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Page: 1 of 1
Reviewer: 2

METHOD: ✓ GC __ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: 1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
TCMX		50.0	35.2094	70	70	
DCB		✓	28.9555	58	58	

Sample ID: _____

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

Sample ID: _____

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

LDC #: 54868c26

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Page: 1 of 1
Reviewer: 4

METHOD: ✓ GC __HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

%Recovery = 100 * (SSC - SC)/SA Where SSC = Spiked sample concentration, SA = Spike added, SC = Sample concentration

RPD =(({SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100 LCS = Laboratory Control Sample, LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: QC100702/QC100703

Compound	Spike Added (ug/kg)		Spike Sample Concentration (ug/kg)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Gasoline (8015)										
Diesel (8015)										
Benzene (8021B)										
Methane (RSK-175)										
2,4-D (8151)										
Dinoseb (8151)										
Naphthalene (8310)										
Anthracene (8310)										
HMX (8330)										
2,4,6-Trinitrotoluene (8330)										
PCB-1260	5.000	5.000	5.714	5.840	114	114	117	117	2	2

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicate findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54868c3b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: CA

METHOD: / GC __ HPLC

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds within 10% of the reported results?

Concentration= $\frac{(A)(Fv)(Df)}{(RF)(Vs \text{ or } Ws)(\%S/100)}$

A= Area or height of the compound to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the compound In the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. NO RC100T020 Compound Name PCB 1260

Concentration = $\frac{(563174.479)(2563036.521)(20.0)}{(158286.274)(0.0542)} = 597.5$

Corrected = $\frac{(597.5 + 552.9894 + 522.1745 + 577.6417 + 600.542)(10)}{5 \times 1000 \times} = 5.713$ µg/kg wet

#	Sample ID	Compound	Reported Concentrations (µg/kg)	Recalculated Results Concentrations (µg/kg)	Qualifications
	RC100T020	PCB-1260	5.714	5.713	

Comments: _____

SAMPCAL.wpd

LDC #: 54868C4b

SDG #: 467322

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 3

Date: 9/29/22

Page: 1 of 1

Reviewer: AW

2nd Reviewer: [illegible]

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	A	
IV.	Laboratory Blanks	A	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	C.S
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	N	
XI.	Target Analyte Quantitation	A	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.5GE-PS-21-220811-L-G	467322-003	Wipe	08/11/22
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
I. Technical holding times				
Were all technical holding times met?	✓			
Were all water samples preserved to a pH of <2.			✓	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			✓	
Were %RSDs of isoptoes in the tuning solution ≤5%?			✓	
III. Calibration				
Were all instruments calibrated daily?	✓			
Were the proper standards used?	✓			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	✓			
Were the low level standard checks within 70-130%?			✓	
Were all initial calibration correlation coefficients within limits as specifed by the method?	✓			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks?		✓		
Was there contamination in the initial and continuing calibration blanks?		✓		
V. Interference Check Sample				
Were the interference check samples performed daily?	✓			
Were the AB solution recoveries within 80-120%?	✓			
VI. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			✓	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			✓	
VII. Laboratory Control Samples				
SDG?	✓			

Were the LCS recoveries and RPDs (if applicable) within QC limits?	✓			
METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
VIII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			✓	
If the recoveries were outside the limits, was a reanalysis performed?			✓	
IX. Serial Dilution				
Were all percent differences <10%?			✓	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			✓	
X. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?	✓			
Were all soil samples dry weight corrected?			✓	
XI. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	✓			
XII. Field Duplicates				
Were field duplicates identifed in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
XIII. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	

LDC #: 54868C4b

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

Reviewer: ATL

METHOD: Trace metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

$$\%R = \frac{\text{Found}}{\text{True}} \times 100$$

Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (mg/L ~~ug/L~~)	True (mg/L ~~ug/L~~)	Recalculated %R	Reported %R	Acceptable (Y/N)
	ICP (Low Level calibration)						
	ICP/MS (Low Level calibration)						
ICV	ICP (Initial calibration)	Pb	0.9039	1.000	90	90	Y
	ICP/MS (Initial calibration)						
	CVAA (Initial calibration)						
CCV	ICP (Continuing calibration) 8/15 @ 12:04	Pb	0.9253	1.000	93	93	Y
	ICP/MS (Continuing calibration)						
	CVAA (Continuing calibration)						

ICP-MS TUNE	Calculation	Mass	Actual (Mean Counts / Axis)	Required (Counts / Axis)	Recalculated %RSD	Acceptable (Y/N)
	Mass Axis			± 0.1 AMU	NA	
	%RSD			≤ 5% RSD		

Comments:

LDC #: 54868C46

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: ATV

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

$\%D = \frac{|I-SDR|}{I} \times 100$ Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (units)	True / D / SDR (units)	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
			µg/ft2	µg/ft2			
ICSAB	ICP interference check	Pb	0.9186 mg/L	1.000 mg/L	92	92	Y
LCS	Laboratory control sample	Pb	89.97	100.00	90	90	Y
	Matrix spike		(SSR-SR)				
	Duplicate						
	Post digestion spike						
	ICP serial dilution						

Comments: _____

LDC #: 54868C46

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Have results been reported and calculated correctly?
(Y) N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
(Y) N N/A Are all detection limits below the CRDL?

Detected analyte results for Pb were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$

Recalculation:

$7.155 \times (100/1.06) = 675$

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

#	Sample ID	Analyte	Reported Concentration (ug/kg)	Calculated Concentration (ug/kg)	Acceptable (Y/N)
	1	Pb	680	675	Y

Note:

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Rincon Consultants, Inc.
250 E. 1st Street Suite 1400
Los Angeles, CA - 90012
ATTN: Mr. Ryan Thacher
rthacher@rinconconsultants.com

February 28, 2023

SUBJECT: Hangar 1 NTCRA - Data Validation

Dear Mr. Thacher,

Enclosed are the final validation reports for the fraction listed below. These SDGs were received on August 31, 2022. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #54874 RV2:

SDG #	Fraction
467767	Polychlorinated Biphenyls, Lead
467769	
467771	
467774	

The data validation was performed under Stage 2A & 3 guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020)
- USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
Project Manager/Senior Chemist
pgeng@lab-data.com

200 pages-ADV EDD

Attachment 1

Stage 2A/3 (client select) **LDC# 54874 (Rincon Consultants, Inc., Los Angeles, CA / Hanger 1 NTCRA)** **Project# 20-10491**

LDC	SDG#	DATE REC'D	(3) DATE DUE	PCBs (8082)		Pb (6010B)																													
Matrix:	Wipe			W	WP	W	WP	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	467767	08/31/22	09/22/22	0	1	0	1																												
B	467769	08/31/22	09/22/22	0	2	0	4																												
C	467771	08/31/22	09/22/22	0	4	0	4																												
D	467774	08/31/22	09/22/22	0	4	0	4																												
Total	TR/PG			0	11	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24

Shaded cells indicate Stage 3 validation (all other cells are Stage 2A validation). Sample counts do not include MS, MSD, and DUP's. V:\LOGIN\Rincon\Moffett Field, Hanger 1 NTCRA\54874ST-Wipe.wpd

LDC Report# 54874_RV1

Automated Data Review Data Validation Report
Hangar 1 NTCRA

Sample Delivery Groups

467767
467769
467771
467774

October 19, 2022

Introduction

This Data Validation Report (DVR) presents Stage 2A and Stage 3 data validation results for samples collected during the August 2022 sampling period. Data validation was performed in accordance with a modified outline of the US Environmental Protection Agency (EPA) National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020) and USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Polychlorinated Biphenyls (PCBs) by EPA SW 846 Method 8082
Lead by EPA SW 846 Method 6010B

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary results. Selected samples were subjected to Stage 3 data validation as indicated on the Sample Summary Report. Stage 3 data validation is comprised of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

NJ Presumptive evidence of presence of the compound at an estimated quantity.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Initial Calibration and Initial Calibration Verification

8082
The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all analytes.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 20.0% for all analytes.

Initial calibration data were not reviewed for Stage 2A validation.

6010B
An initial calibration was performed as required by the method.

The initial calibration verification (ICV) standards were within QC limits.

Initial calibration data were not reviewed for Stage 2A validation.

Continuing Calibration

8082
Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all analytes with the following exceptions:

SDG	Date	Analyte	%D	Associated Samples	Affected Analyte	Flag	A or P
467767	08/26/22	Aroclor-1260	21	All samples in SDG 467767	Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262 Aroclor-1268	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A
467769	08/26/22	Aroclor-1260	21	DOOR-N-0.1GE-EXT-5 TO 6-220822-P-CB	Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262 Aroclor-1268	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A

SDG	Date	Analyte	%D	Associated Samples	Affected Analyte	Flag	A or P
467771	08/26/22	Aroclor-1260	21	DOOR-N-0.3GE-PS-20-220822-P-LA DOOR-N-0.4GE-PS-20-220822-P-G ARCH-C1E-EXT-5 TO 6-220822-P-WF	Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262 Aroclor-1268	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A

All of the continuing calibration relative response factors (RRF) were within validation criteria.

Continuing calibration data were not reviewed for Stage 2A validation.

6010B
Continuing calibrations were performed as required by the method.

The continuing calibration verification (CCV) standards were within QC limits.

Continuing calibration data were not reviewed for Stage 2A validation.

ICP Interference Check Sample Analysis

6010B
The frequency of interference check sample (ICS) analysis was met. All criteria were within QC limits.

Although lead was found in the ICSA standard, no qualification was necessary since the interferent concentrations in the samples were less than ninety percent of the spiked interference concentrations in the ICSA.

Interference check sample (ICS) analysis data were not reviewed for Stage 2A validation.

Laboratory Blanks

8082
Laboratory blanks were performed as required by the method. No contaminants were detected in the laboratory blanks.

6010B
Laboratory blanks were performed as required by the method. No contaminants were detected in the laboratory blanks.

Field Blanks

8082
One media blank was collected and analyzed. No contaminants were found.

6010B
One media blank was collected and analyzed. One media blank had detections for lead. The associated sample results were qualified as non-detected (U) due to media blank contamination as applicable. The sample results that were not detected or were significantly greater than the concentrations found in the associated blanks were not qualified. The details are presented in Enclosure I.

Surrogate Spikes

8082
Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

Internal Standards

8082
All internal standard areas and retention times were within QC limits.

Internal standard data were not reviewed for Stage 2A validation.

Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for these methods, and therefore matrix spike and matrix spike duplicate analyses were not performed. The lack of MS/MSD samples for wipe samples is consistent with the UFP-QAPP for the Hangar 1 NTCRA (EKI, 2022).

Duplicate Sample Analysis

6010B
The laboratory has indicated that there were no laboratory duplicate (DUP) analyses specified for this method, and therefore laboratory duplicate analyses were not performed.The lack of laboratory duplicate samples is consistent with the UFP-QAPP for the Hangar 1 NTCRA (EKI, 2022).

Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the methods. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

Field Duplicates

8082
No field duplicates were identified in these SDGs.

6010B
Two field duplicate pairs were collected and analyzed. All RPDs were within QC limits. The field duplicate result comparisons are presented in Enclosure I.

Target Analyte Quantitation

8082
The laboratory reporting limits were evaluated. While the reporting limits were not achieved in accordance with the UFP-QAPP, the achieved reporting limits are acceptable with respect to the Cleanup Goals (EKI, 2022).

6010B
The laboratory reporting limits were evaluated. All laboratory reporting limits met the specified requirements.

Overall Assessment of Data

The analyses were conducted within all specifications of the methods. No results were rejected in these SDGs.

Due to continuing calibration %D, data were qualified as estimated in five samples.

Due to media blank contamination, data were qualified as not detected in one sample.

Data flags are summarized and are presented as Attachment 2.

Attachment 1

Sample Summary Report by Analysis Method

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 467767						
Method: 6010B						
220822-L-MEDBLANK	467767-002	WIPE	FB	3050B	8/22/2022	S2AVE
Method: 8082						
220822-P-MEDBLANK	467767-001	WIPE	FB	3572M	8/22/2022	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 467769						
Method: 6010B						
AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-L-DUP-WF	467769-003	WIPE	FD	3050B	~~8/22/2022~~	S3VEM
AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-L-WF	467769-002	~~WIPE~~	N	3050B	8/22/2022	S3VEM
DOOR-N-0.1GE-EXT-5 TO 6-220822-L-CB	467769-005	WIPE	N	3050B	8/22/2022	S3VEM
DOOR-N-0.1GE-EXT-5 TO 6-220822-L-DUP-CB	467769-006	WIPE	FD	3050B	8/22/2022	S3VEM
Method: 8082						
AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-P-WF	467769-001	WIPE	N	~~3572M~~	~~8/22/2022~~	S3VEM
DOOR-N-0.1GE-EXT-5 TO 6-220822-P-CB	467769-004	WIPE	N	3572M	8/22/2022	S3VEM

Crossed out Sample IDs not collected in the Low Occupancy Area of Zone 1

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 467771						
Method: 6010B						
ARCH-C1E-EXT-5 TO 6-220822-L-WF	467771-006	WIPE	N	3050B	8/22/2022	S2AVE
DOOR-N-0.2GE-PS-19-220822-L-G	467771-008	WIPE	N	3050B	8/22/2022	S2AVE
DOOR-N-0.3GE-PS-20-220822-L-LA	467771-002	WIPE	N	3050B	8/22/2022	S2AVE
DOOR-N-0.4GE-PS-20-220822-L-G	467771-004	WIPE	N	3050B	8/22/2022	S2AVE
Method: 8082						
ARCH-C1E-EXT-5 TO 6-220822-P-WF	467771-005	WIPE	N	3572M	8/22/2022	S2AVE
DOOR-N-0.2GE-PS-19-220822-P-G	467771-007	WIPE	N	3572M	8/22/2022	S2AVE
DOOR-N-0.3GE-PS-20-220822-P-LA	467771-001	WIPE	N	3572M	8/22/2022	S2AVE
DOOR-N-0.4GE-PS-20-220822-P-G	467771-003	WIPE	N	3572M	8/22/2022	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/28/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 467774						
Method: 6010B						
ARCH-C1E-INT-6.5 TO 7.5-220822-L-WF	467774-008	WIPE	N	3050B	8/22/2022	S2AVE
ARCH-C1E-PS-6.5-220822-L-G	467774-006	WIPE	N	3050B	8/22/2022	S2AVE
DOOR-N-0.2GE-DG-4 TO 18-220822-L-LA	467774-002	WIPE	N	3050B	8/22/2022	S2AVE
DOOR-N-0.5GE-EXT-4 TO 5-220822-L-CB	467774-004	WIPE	N	3050B	8/22/2022	S2AVE
Method: 8082						
ARCH-C1E-INT-6.5 TO 7.5-220822-P-WF	467774-007	WIPE	N	3572M	8/22/2022	S2AVE
ARCH-C1E-PS-6.5-220822-P-G	467774-005	WIPE	N	3572M	8/22/2022	S2AVE
DOOR-N-0.2GE-DG-4 TO 18-220822-P-LA	467774-001	WIPE	N	3572M	8/22/2022	S2AVE
DOOR-N-0.5GE-EXT-4 TO 5-220822-P-CB	467774-003	WIPE	N	3572M	8/22/2022	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (9/30/2022) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*

Validation Label Legend

Label Code	*Label Decription*	*EPA Level*
S1VE	Stage_1_Validation_Electronic	N/A
S1VM	Stage_1_Validation_Manual	N/A
S1VEM	Stage_1_Validation_Electronic_and_Manual	N/A
S2AVE	Stage_2A_Validation_Electronic	Level 3 w/o calibration
S2AVM	Stage_2A_Validation_Manual	Level 3 w/o calibration
S2AVEM	Stage_2A_Validation_Electronic_and_Manual	Level 3 w/o calibration
S2BVE	Stage_2B_Validation_Electronic	Level 3 with calibration
S2BVM	Stage_2B_Validation_Manual	Level 3 with calibration
S2BVEM	Stage_2B_Validation_Electronic_and_Manual	Level 3 with calibration
S3VE	Stage_3_Validation_Electronic	Level 4
S3VM	Stage_3_Validation_Manual	Level 4
S3VEM	Stage_3_Validation_Electronic_and_Manual	Level 4
S4VE	Stage_4_Validation_Electronic	Level 4
S4VM	Stage_4_Validation_Manual	Level 4
S4VEM	Stage_4_Validation_Electronic_and_Manual	Level 4
NV	Not_Validated	N/A

Attachment 2

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: 467767 **Laboratory: Enthalpy Orange**

EDD Filename: Prep467767 **eQAPP Name:**

Method Category: SVOA

Method: 8082 *Matrix:* WIPE

Sample ID:*220822-P-MEDBLANK** ***Collected: 8/22/2022 12:00:00 AM ***Analysis Type:*RES** ***Dilution:*** 1.000

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
AROCLOR-1248	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Data Qualifier Summary

Lab Reporting Batch ID: 467769 **Laboratory: Enthalpy Orange**

EDD Filename: Prep467769 **eQAPP Name:**

Method Category: **SVOA**

Method: **8082** ***Matrix:*** **WIPE**

Sample ID: **DOOR-N-0.1GE-EXT-5 TO 6-220822-P-CB** ***Collected:*** **8/22/2022 12:00:00 AM** ***Analysis Type:*** **RES** ***Dilution:*** **1.000**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
AROCLOR-1248	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Data Qualifier Summary

Lab Reporting Batch ID: 467771 **Laboratory: Enthalpy Orange**

EDD Filename: Prep467771 **eQAPP Name:**

Method Category: METALS

Method: 6010B ***Matrix:*** WIPE

Sample ID:DOOR-N-0.4GE-PS-20-220822-L-G ***Collected:*** 8/22/2022 12:00:00 AM ***Analysis Type:*** RES ***Dilution:*** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	18		0.47	CRQL	0.47	CRQL	ug/ft2	U	Fb

Method Category: SVOA

Method: 8082 ***Matrix:*** WIPE

Sample ID:ARCH-C1E-EXT-5 TO 6-220822-P-WF ***Collected:*** 8/22/2022 12:00:00 AM ***Analysis Type:*** RES ***Dilution:*** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1248	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

Sample ID:DOOR-N-0.3GE-PS-20-220822-P-LA ***Collected:*** 8/22/2022 12:00:00 AM ***Analysis Type:*** RES ***Dilution:*** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1248	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

Sample ID:DOOR-N-0.4GE-PS-20-220822-P-G ***Collected:*** 8/22/2022 12:00:00 AM ***Analysis Type:*** RES ***Dilution:*** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1248	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Data Qualifier Summary

Lab Reporting Batch ID: 467771 **Laboratory: Enthalpy Orange**

EDD Filename: Prep467771 **eQAPP Name:**

Method Category: **SVOA**

Method: **8082** ***Matrix:*** **WIPE**

Sample ID: **DOOR-N-0.4GE-PS-20-220822-P-G** ***Collected:*** **8/22/2022 12:00:00 AM** ***Analysis Type:*** **RES** ***Dilution:*** **1.000**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
Aroclor-1262	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	1.0	U	1.0	CRQL	1.0	CRQL	ug/100 cm2	UJ	Ccv

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Data Qualifier Summary

Lab Reporting Batch ID: 467774

Laboratory: Enthalpy Orange

EDD Filename: Prep467774

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 467769 **Laboratory: Enthalpy Orange**

EDD Filename: Prep467769 **eQAPP Name:**

Reason Code Legend

Reason Code	*Description*
Ccv	Continuing Calibration Verification Percent Recovery Upper Estimation

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Enclosure I

Validation Outlier Reports

Quality Control
Outlier Reports

467767

The following samples from SDG 467767 not collected in Low Occupancy Area of Zone 1:
AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-P-WF
AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-L-WF
AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-L-DUP-WF

LDC #: 54874A3b

SDG #: 467767

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 3

Date: 9/8/22

Page: 1 of 1

Reviewer:

2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Initial calibration/ICV	A/ A	%D / ICV ≤ 20
III.	Continuing calibration	SW	CCV ≤ 20
IV.	Laboratory Blanks	A	
V.	Field blanks	ND	MED BLANK = 1
VI.	Surrogate spikes 1 IS	A/A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	LCS ID
IX.	Field duplicates	N	
X.	Target analyte quantitation	A	
XI.	Target analyte identification	A	
XII.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	220822-P-MEDBLANK	467767-001	Wipe	08/22/22
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				

Notes:

295632

LDC #: 54874A3b

VALIDATION FINDINGS CHECKLIST

Method: ✓GC HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
IIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥0.990?			✓	
Were the RT windows properly established?	✓			
IIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ 20%?		✓		
Were all the retention times within the acceptance windows?	✓			
IV. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
V. Field Blanks				
Were field blanks identified in this SDG?	✓			
Were target analytes detected in the field blanks?		✓		
VI. Surrogate spikes				
Were all surrogate percent recovery (%R) within the QC limits?	✓	✓		
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
VIII. Laboratory control samples				
Was an LCS analyzed per analytical or extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			

Validation Area	Yes	No	NA	Findings/Comments
IX. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
X. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Target analyte identification				
Were the retention times of reported detects within the RT windows?	✓			
Were manual integrations reviewed and found acceptable?	✓			
Did the laboratory provide before and after integration printouts?			✓	
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes:_____

LDC #: 54874A3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: FT

METHOD: ✓ GC __ HPLC

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
What type of continuing calibration calculation was performed? ___%D or ___%R
Y N N/A Were continuing calibration standards analyzed at the required frequencies?
Y N N/A Did the continuing calibration standards meet the %D / %R validation criteria of ≤20.0% / 80-120%?
Level IV Only
Y N N/A Were the retention times for all calibrated compounds within their respective acceptance windows?

#	Date	Standard ID	Detector/ Column	Compound	%D (Limit ≤ 20.0)	RT (limit)	Associated Samples	Qualifications
	8/26/22 1356	CCV	ch B	BB	21		All	J/UJ/A ND qual Z, AA, BB Arbclor 1262 + Aroclor 1260

LDC #: 54874A3b

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer: _____

METHOD: GC ✓ HPLC _____

The calibration factors (CF) and relative standard deviation (%RSD) were recalculated using the following calculations:

CF = A/C
Average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where: A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported CF (50U std)	Recalculated CF (50U std)	Reported CF (initial)	Recalculated CF (intial)	Reported %RSD	Recalculated %RSD
1	ICAL 9606	4/14/22	1260-1 ChA	0.0604	0.0604	0.0629	0.0629	17	17
			↓ ChB	0.0578	0.0578	0.0605	0.0605	17	17
2									
3									
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54874A3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the target analytes identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of target analyte
C = Concentration of target analyte

#	Standard ID	Calibration Date	Target Analyte	Average CF(Ical)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1	CCV	8/26/22 1356	Aroclor 1260 chA	500.6	529.3	569.3	14	14
			chB	500.0	605.4	605.4	21	21
2								
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54874 A3b

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: ✓ GC ___ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: 1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
TCMX	ch Δ	1.0	0.7869	79	79	0
DCB	↓	1.0	0.6654	67	67	0

Sample ID:

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene	Y	Tetrachloro-m- xylene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene	Z	2-Bromonaphthalene
C`	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decachlorobiphenyl (DCB)	U	Tripentyltin	AA	Chloro-octadecane
D	Bromochlorobenene	J	n-Triacontane	P	1-methylnaphthalene	V	Tri-n-propyltin	BB	2,4-Dichlorophenylacetic acid
E	1,4-Dichlorobutane	K	Hexacosane	Q	Dichlorophenyl Acetic Acid (DCAA)	W	Tributyl Phosphate	CC	2,5-Dibromotoluene
F	1,4-Difluorobenzene (DFB)	L	Bromobenzene	R	4-Nitrophenol	X	Triphenyl Phosphate		

LDC #: 54874 A3b

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: ✓ GC __ HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the target analytes identified below using the following calculation:

%Recovery = 100 * (SSC/SA)
RPD =(({SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration
LCS = Laboratory Control Sample
SA = Spike added
LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: 295632 LCSD

Compound	Spike Added (ug/100 cm2)		Spike Sample Concentration (ug/100 cm2)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1260	5.0	5.0	5.648	6.161	113	113	123	123	9	9

Comments: _____

LDC #: 54874A3b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

METHOD: ✓ GC __ HPLC

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

Concentration= $\frac{(A)(Fv)(Df)}{(RF)(Vs \text{ or } Ws)(\%S/100)}$

A= Area or height of the target analyte to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the target analyte In the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. 295632 LCS Aroclor 1260

Concentration = $\frac{564.84 \quad (10)}{(1000)}$ = 5.6484

#	Sample ID	Target analyte	Reported Concentrations (ug/100 gm)2	Recalculated Results Concentrations (ug/100 gm)2	Qualifications
	LCS	Aroclor 1260	5.648	5.6484	
	1260-1 = 3104	121.667 (20.0)	= 559.0	1260-1 =	559.0
	F1 9603	1063.15 (0.0629)		2 =	540.2
	176	5533.69		3 =	541.4
				4 =	6200
				5 =	563.6
					564.84

Comments: _____

LDC #: 54874A4b
SDG #: 467767
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 9/29/22
Page: 1 of 1
Reviewer: ATV
2nd Reviewer: CL

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	SW	
IV.	Laboratory Blanks	A	
V.	Field Blanks	SW	MEDBLANK = 1
VI.	Matrix Spike/Matrix Spike Duplicates	N	C.S
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	N	
XI.	Target Analyte Quantitation	A	
XII	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	220822-L-MEDBLANK	467767-002	Wipe	08/22/22
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
I. Technical holding times				
Were all technical holding times met?	✓			
Were all water samples preserved to a pH of <2.			✓	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			✓	
Were %RSDs of isoptoes in the tuning solution ≤5%?			✓	
III. Calibration				
Were all instruments calibrated daily?	✓			
Were the proper standards used?	✓			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	✓			
Were the low level standard checks within 70-130%?			✓	
Were all initial calibration correlation coefficients within limits as specifed by the method?	✓			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks?		✓		
Was there contamination in the initial and continuing calibration blanks?		✓		
V. Interference Check Sample				
Were the interference check samples performed daily?	✓			
Were the AB solution recoveries within 80-120%?	✓			
VI. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			✓	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			✓	
VII. Laboratory Control Samples				
SDG?	✓			

Were the LCS recoveries and RPDs (if applicable) within QC limits?	✓			
METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
VIII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			✓	
If the recoveries were outside the limits, was a reanalysis performed?			✓	
IX. Serial Dilution				
Were all percent differences <10%?			✓	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			✓	
X. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?	✓			
Were all soil samples dry weight corrected?			✓	
XI. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	✓			
XII. Field Duplicates				
Were field duplicates identifed in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
XIII. Field Blanks				
Were field blanks identified in this SDG?	✓			
Were target analytes detected in the field blanks?	✓			

LDC #: 54874A4b

VALIDATION FINDINGS WORKSHEET
ICP Interference Check Sample

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Were ICP interference check samples performed as required?

(Y) N N/A Were the AB solution percent recoveries (%R) within the control limits of 80-120% ?

LEVEL IV ONLY:

(Y) N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	Date	ICS Identification	Analyte	Finding	Associated Samples	Qualifications
	8/23/22	ICSA (10:13)	Pb	0.005544 (≤ 0.003333)	all	no qual (sample interferents < ICSA)

Comments:

Field Blank Contamination Report

Lab Reporting Batch ID: 467767

Laboratory: Enthalpy Orange

EDD Filename: Prep467767

Moffett_Hangar_1_NTCRA_Enthalpy_220609

Method: 6010B
Matrix: WIPE

Analyte	*Sample*	*Concentration (ug/ft2)*	*Flag*
LEAD	220822-L-MEDBLANK	3.6	No Qualifiers Applied

LDC #: 54874A4b

VALIDATION FINDINGS WORKSHEET
Field Blanks

Reviewer: ATL

METHOD: Trace Metals (EPA SW846 6010/6020/7000)

Blank units: ug/ft2 **Associated sample units:** ug/ft2
Sampling date: 08/22/22 Soil factor applied _____
Field blank type: (circle one) Field Blank / Rinsate / Other: MEDBLANK Associated Samples: _____

Analyte	Blank ID	Sample Identification										
	1	Action Limit										
Pb	3.6											

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
Samples with analyte concentrations within five times the associated field blank concentration are listed above, these sample results were qualified as not detected, "U".

LDC #: 54874A4b

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

METHOD: Trace metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

$$\%R = \frac{\text{Found}}{\text{True}} \times 100$$

Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (~~ug/L~~ mg/L)	True (~~ug/L~~ mg/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
	ICP (Low Level calibration)						
	ICP/MS (Low Level calibration)						
ICV	ICP (Initial calibration)	Pb	1.041	1.000	104	104	Y
	ICP/MS (Initial calibration)						
	CVAA (Initial calibration)						
CCV	ICP (Continuing calibration) 8/23 @ 12:49	Pb	1.072	1.000	107	107	Y
	ICP/MS (Continuing calibration)						
	CVAA (Continuing calibration)						

ICP-MS TUNE	Calculation	Mass	Actual (Mean Counts / Axis)	Required (Counts / Axis)	Recalculated %RSD	Acceptable (Y/N)
	Mass Axis			± 0.1 AMU	NA	
	%RSD			≤ 5% RSD		

Comments:

LDC #: 54874A4b

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

$\%D = \frac{|I-SDR|}{I} \times 100$ Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (units) (µg/ft²)	True / D / SDR (units) (µg/ft²)	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
ICSAB	ICP interference check	Pb	1.041 mg/L	1.000 mg/L	104	104	Y
LCS	Laboratory control sample	Pb	101.7963	100.00	102	102	Y
	Matrix spike		(SSR-SR)				
	Duplicate						
	Post digestion spike						
	ICP serial dilution						

Comments: _____

LDC #: 54874A4b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Have results been reported and calculated correctly?
(Y) N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
(Y) N N/A Are all detection limits below the CRDL?

Detected analyte results for Pb were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

Recalculation:

$0.0356 \times 100 = 3.56$

#	Sample ID	Analyte	Reported Concentration (µg/kg)	Calculated Concentration (µg/kg)	Acceptable (Y/N)
	1	Pb	3.6	3.56	Y

Note: _____

Quality Control
Outlier Reports

467769

Field Duplicate RPD Report

Lab Reporting Batch ID: 467769 **Laboratory: Enthalpy Orange**

EDD Filename: Prep467769 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-L-	AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-L-			
LEAD	46	58	23	100.00	No Qualifiers Applied

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	DOOR-N-0.1GE-EXT-5 TO 6-220822-L-CB	DOOR-N-0.1GE-EXT-5 TO 6-220822-L-DUP-CB			
LEAD	66	130	65	100.00	No Qualifiers Applied

LDC #: 54874B3b
SDG #: 467769
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 9/9/22
Page: 1 of 1
Reviewer:
2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Initial calibration/ICV	A / A	%RSD / ICV ≤ 20
III.	Continuing calibration	SW	CCV ≤ 20
IV.	Laboratory Blanks	A	
V.	Field blanks	N	
VI.	Surrogate spikes 1/3	A / A	
VII.	Matrix spike/Matrix spike duplicates	N	CS
VIII.	Laboratory control samples	A	LCS 1D
IX.	Field duplicates	N	
X.	Target analyte quantitation	A	
XI.	Target analyte identification	A	
XII.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-P-WF	467769-001	Wipe	08/22/22
2 2	DOOR-N-0.1GE-EXT-5 TO 6-220822-P-CB	467769-004	Wipe	08/22/22
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				

Notes:

1	295971						
2	295632						

LDC #: 54874D3b

VALIDATION FINDINGS CHECKLIST

Reviewer: FT

Method: ~~GC~~ HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
IIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥0.990?			✓	
Were the RT windows properly established?	✓			
IIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ 20%?		✓		
Were all the retention times within the acceptance windows?	✓			
IV. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
V. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	
VI. Surrogate spikes				
Were all surrogate percent recovery (%R) within the QC limits?	✓			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
VIII. Laboratory control samples				
Was an LCS analyzed per analytical or extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			

Validation Area	Yes	No	NA	Findings/Comments
IX. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
X. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Target analyte identification				
Were the retention times of reported detects within the RT windows?	✓			
Were manual integrations reviewed and found acceptable?	✓			
Did the laboratory provide before and after integration printouts?			✓	
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes:_____

LDC #: 54874B3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Reviewer: FT

METHOD: ✓ GC __ HPLC

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
What type of continuing calibration calculation was performed? ___%D or ___%R
Y N N/A Were continuing calibration standards analyzed at the required frequencies?
Y N N/A Did the continuing calibration standards meet the %D / %R validation criteria of ≤20.0% / 80-120%?
Level IV Only
Y N N/A Were the retention times for all calibrated compounds within their respective acceptance windows?

#	Date	Standard ID	Detector/ Column	Compound	%D (Limit ≤ 20.0)	RT (limit)	Associated Samples	Qualifications
B2	8/26/22 1356	CCV	ch B	BB	21		2, 295632-MB	J/UJ/A ND qual Z, AA, BB, Aroclor 1262 + Aroclor 1268

LDC #: 54874B3h

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC ✓ HPLC ____

The calibration factors (CF) and relative standard deviation (%RSD) were recalculated using the following calculations:

CF = A/C
Average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where: A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported CF (500 std)	Recalculated CF (500 std)	Reported CF (initial)	Recalculated CF (intial)	Reported %RSD	Recalculated %RSD
B2	ICAL	4/14/22	1260-1 ch A	0.0604	0.0604	0.0629	0.0629	17	17
B1	GC06		V ch B	0.0578	0.0578	0.0605	0.0605	17	17
2									
3									
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54874B3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the target analytes identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of target analyte
C = Concentration of target analyte

#	Standard ID	Calibration Date	Target Analyte	Average CF(Ical)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
B2	CCV	8/26/22 1356	Aroclor 1260 ch A	500.0	569.3	569.3	14	14
			ch B	↓	605.4	605.4	21	21
B4	CCV	8/30/22 1454	↓	↓	469.4	469.4	6	6
			↓	↓	484.9	484.9	3	3
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54874B3b

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: ✓ GC __ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
TCMX	ch B	1.0	0.7918	79	79	0
DCB	↓	1.0	0.6448	64	64	0

Sample ID: _____

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene	Y	Tetrachloro-m- xylene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene	Z	2-Bromonaphthalene
C	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decachlorobiphenyl (DCB)	U	Tripentyltin	AA	Chloro-octadecane
D	Bromochlorobenene	J	n-Triacontane	P	1-methylnaphthalene	V	Tri-n-propyltin	BB	2,4-Dichlorophenylacetic acid
E	1,4-Dichlorobutane	K	Hexacosane	Q	Dichlorophenyl Acetic Acid (DCAA)	W	Tributyl Phosphate	CC	2,5-Dibromotoluene
F	1,4-Difluorobenzene (DFB)	L	Bromobenzene	R	4-Nitrophenol	X	Triphenyl Phosphate		

LDC #: 54874B3b

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: ✓ GC __HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the target analytes identified below using the following calculation:

%Recovery = 100 * (SSC/SA)
RPD =(({SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration
LCS = Laboratory Control Sample
SA = Spike added
LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: 295632 LCS ID

Compound	Spike Added (ug/100 cm2)		Spike Sample Concentration (ug/100 cm2)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1260	5.0	5.0	5.648	6.161	113	113	123	123	9	9

Comments: _____

LDC #: 54874B3b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT

METHOD: ✓ GC __ HPLC

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

Concentration= $\frac{(A)(Fv)(Df)}{(RF)(Vs \text{ or } Ws)(\%S/100)}$

Example: QC100895

Sample ID. 295632 LCS Aroclor 1260

A= Area or height of the target analyte to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the target analyte In the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Concentration = $\frac{564.84 \ (10)}{(1000)}$ =

5.6484

#	Sample ID	Target analyte	Reported Concentrations (ug/100 gm) 3	Recalculated Results Concentrations (ug/100 gm) 2	Qualifications
	LCS	Aroclor 1260	5.648	5.6484	
	1260-1 = $\frac{3104121.667 \ (20.0)}{17655333.69 \ (0.0629)}$ =		559.0	1260-1 =	559.0
				2 =	540.2
				3 =	541.4
				4 =	620.0
				5 =	563.6

Comments: _____

LDC #: 54874B4b

SDG #: 467769

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 3

Date: 9/29/22

Page: 1 of 1

Reviewer: ATV

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	SW	
IV.	Laboratory Blanks	A	
V.	Field Blanks	SW	MEDBLANK = 220822-L-MEDBLANK (From SDG # 467767)
VI.	Matrix Spike/Matrix Spike Duplicates	N	C.S
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	SW	(1,2), (3,4) - ADR
XI.	Target Analyte Quantitation	A	
XII	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-L-WF	467769-002	Wipe	08/22/22
2	AFRAME-C1E-LAT-L3-EXT-1 TO 2-220822-L-DUP-WF	467769-003	Wipe	08/22/22
3	DOOR-N-0.1GE-EXT-5 TO 6-220822-L-CB	467769-005	Wipe	08/22/22
4	DOOR-N-0.1GE-EXT-5 TO 6-220822-L-DUP-CB	467769-006	Wipe	08/22/22
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
I. Technical holding times				
Were all technical holding times met?	✓			
Were all water samples preserved to a pH of <2.			✓	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			✓	
Were %RSDs of isoptoes in the tuning solution ≤5%?			✓	
III. Calibration				
Were all instruments calibrated daily?	✓			
Were the proper standards used?	✓			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	✓			
Were the low level standard checks within 70-130%?			✓	
Were all initial calibration correlation coefficients within limits as specifed by the method?	✓			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks?		✓		
Was there contamination in the initial and continuing calibration blanks?		✓		
V. Interference Check Sample				
Were the interference check samples performed daily?	✓			
Were the AB solution recoveries within 80-120%?	✓			
VI. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			✓	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			✓	
VII. Laboratory Control Samples				
SDG?	✓			

Were the LCS recoveries and RPDs (if applicable) within QC limits?	✓			
METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
VIII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			✓	
If the recoveries were outside the limits, was a reanalysis performed?			✓	
IX. Serial Dilution				
Were all percent differences <10%?			✓	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			✓	
X. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?	✓			
Were all soil samples dry weight corrected?			✓	
XI. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	✓			
XII. Field Duplicates				
Were field duplicates identifed in this SDG?	✓			
Were target analytes detected in the field duplicates?	✓			
XIII. Field Blanks				
Were field blanks identified in this SDG?	✓			
Were target analytes detected in the field blanks?	✓			

LDC #: 54874B4b

VALIDATION FINDINGS WORKSHEET
ICP Interference Check Sample

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Were ICP interference check samples performed as required?

(Y) N N/A Were the AB solution percent recoveries (%R) within the control limits of 80-120% ?

LEVEL IV ONLY:

(Y) N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	Date	ICS Identification	Analyte	Finding	Associated Samples	Qualifications
	8/23/22	ICSA (10:13)	Pb	0.005544 (≤ 0.003333)	all	no qual (sample interferents < ICSA)

Comments: _____

LDC #: 54874B4b

VALIDATION FINDINGS WORKSHEET
Field Blanks

Reviewer: ATL

METHOD: Trace Metals (EPA SW846 6010/6020/7000)

Blank units: ug/ft2 **Associated sample units:** ug/ft2
Sampling date: 08/22/22 Soil factor applied _____
Field blank type: (circle one) Field Blank / Rinsate / Other: MEDBLANK Associated Samples: All

Analyte	Blank ID	Sample Identification										
	220822-L-MEDBLANK	Action Limit										
Pb	3.6	36										

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
Samples with analyte concentrations within five times the associated field blank concentration are listed above, these sample results were qualified as not detected, "U".

LDC #: 54874B4b

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

Reviewer: ATV

METHOD: Trace metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (ug/L)	True (ug/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
	ICP (Low Level calibration)						
	ICP/MS (Low Level calibration)						
ICV	ICP (Initial calibration)	Pb	1.041	1.000	104	104	Y
	ICP/MS (Initial calibration)						
	CVAA (Initial calibration)						
CCV	ICP (Continuing calibration) 8/23 @ 13:41	Pb	1.067	1.000	107	107	Y
	ICP/MS (Continuing calibration)						
	CVAA (Continuing calibration)						

ICP-MS TUNE	Calculation	Mass	Actual (Mean Counts / Axis)	Required (Counts / Axis)	Recalculated %RSD	Acceptable (Y/N)
	Mass Axis			± 0.1 AMU	NA	
	%RSD			≤ 5% RSD		

Comments:

LDC #: 54874B46

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

$\%D = \frac{|I-SDR|}{I} \times 100$ Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	µg/kg Found / S / I (units)	µg/kg True / D / SDR (units)	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
ICSAB	ICP interference check	Pb	1.041 mg/L	1.000 mg/L	104	104	Y
LCS	Laboratory control sample	Pb	104.602	100.00	105	105	Y
	Matrix spike		(SSR-SR)				
	Duplicate						
	Post digestion spike						
	ICP serial dilution						

Comments: _____

LDC #: 54874B4b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: ATV

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Have results been reported and calculated correctly?
(Y) N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
(Y) N N/A Are all detection limits below the CRDL?

Detected analyte results for Pb were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$

Recalculation: #4

$1.29930470 \times 100 = 129.930$

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

#	Sample ID	Analyte	Reported Concentration (µg/kg)	Calculated Concentration (µg/kg)	Acceptable (Y/N)
	1	Pb	46	45.661	Y
	2	Pb	58	58.033	Y
	3	Pb	66	66.488	Y
	4	Pb	130	129.930	Y

Note:

Quality Control
Outlier Reports

467771

Field Blank Outlier Report

Lab Reporting Batch ID: 467771 **Laboratory: Enthalpy Orange**

EDD Filename: Prep467771

Moffett Hangar 1 NTCRA Enthalpy 220609

Method: **6010B**
Matrix: **WIPE**

Field Blank Sample ID	Collected Date	Analyte	Result	Associated Samples
220822-L-MEDBLANK	8/22/2022 12:00:00 AM	LEAD	3.6 ug/ft2	ARCH-C1E-EXT-5 TO 6-220822-L-WF DOOR-N-0.2GE-PS-19-220822-L-G DOOR-N-0.3GE-PS-20-220822-L-LA DOOR-N-0.4GE-PS-20-220822-L-G

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DOOR-N-0.4GE-PS-20-220822-L-G	LEAD	18 ug/ft2	18U ug/ft2

LDC #: 54874C3b

SDG #: 467771

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 3

Date: 9/9/22

Page: 1 of 1

Reviewer:

2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Initial calibration/ICV	A / A	%RSD ≤20 ICV ≤20
III.	Continuing calibration	SW	% CCV ≤20
IV.	Laboratory Blanks	A	
V.	Field blanks	N	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	LCS 1D
IX.	Field duplicates	N	
X.	Target analyte quantitation	A	
XI.	Target analyte identification	A	
XII.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1 [1]	DOOR-N-0.3GE-PS-20-220822-P-LA	467771-001	Wipe	08/22/22
2	DOOR-N-0.4GE-PS-20-220822-P-G	467771-003	Wipe	08/22/22
3	ARCH-C1E-EXT-5 TO 6-220822-P-WF	467771-005	Wipe	08/22/22
4	DOOR-N-0.2GE-PS-19-220822-P-G	467771-007	Wipe	08/22/22
5				
6				
7				
8				
9				
10				
11				
12				
13				

Notes:

1	295632						

LDC #: 54874 C3b

VALIDATION FINDINGS CHECKLIST

Reviewer: FT

Method: ✓ GC __ HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
IIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥0.990?			✓	
Were the RT windows properly established?	✓			
IIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ 20%?		✓		
Were all the retention times within the acceptance windows?	✓			
IV. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
V. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	
VI. Surrogate spikes				
Were all surrogate percent recovery (%R) within the QC limits?	✓			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
VIII. Laboratory control samples				
Was an LCS analyzed per analytical or extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			

Validation Area	Yes	No	NA	Findings/Comments
IX. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
X. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Target analyte identification				
Were the retention times of reported detects within the RT windows?	✓			
Were manual integrations reviewed and found acceptable?	✓			
Did the laboratory provide before and after integration printouts?			✓	
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes:_____

LDC #: 54874 C3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: FT

METHOD: ✓ GC __ HPLC

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

What type of continuing calibration calculation was performed? ___%D or ___%R

Y N N/A Were continuing calibration standards analyzed at the required frequencies?

Y (N) N/A Did the continuing calibration standards meet the %D / %R validation criteria of ≤20.0% / 80-120%?

Level IV Only

Y N N/A Were the retention times for all calibrated compounds within their respective acceptance windows?

#	Date	Standard ID	Detector/ Column	Compound	%D (Limit ≤ 20.0)	RT (limit)	Associated Samples	Qualifications
	8/26/22 1356	CCV	ch B	BB	21		HP3, 29563-MB	J/UJ/A ND qual Z, AA, BB, Aroclor 1262 Aroclor 1268

CONCAL_r1.wpd

LDC #: 54874 C3b

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 1
Reviewer: FT
2nd Reviewer: _____

METHOD: GC ✓ HPLC _____

The calibration factors (CF) and relative standard deviation (%RSD) were recalculated using the following calculations:

CF = A/C
Average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where: A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported CF (500 std)	Recalculated CF (500 std)	Reported CF (initial)	Recalculated CF (intial)	Reported %RSD	Recalculated %RSD
1	ICAL GC06	4/14/22	1260-1 chA	0.0604	0.0604	0.0629	0.0629	17	17
			↓ chB	0.0578	0.0578	0.0605	0.0605	17	17
2									
3									
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54874 c3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the target analytes identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of target analyte
C = Concentration of target analyte

#	Standard ID	Calibration Date	Target Analyte	Average CF(Ical)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1	CCV	8/26/22 1356	Aroclor 1260-1 CnA	500.0	569.3	569.3	14	14
			↓ ChB	↓	605.4	605.4	21	21
2	CCV	8/29/22 ~~1885~~ 1819	↓	↓	437.3	437.3	13	13
			↓	↓	476.2	476.2	5	5
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 54874C36

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: ✓ GC ___ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
TCMX	ch Δ	1.0	0.9443	94	94	0
DCB	↓	1.0	0.7536	75	75	↓

Sample ID: _____

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene	Y	Tetrachloro-m- xylene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene	Z	2-Bromonaphthalene
C	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decachlorobiphenyl (DCB)	U	Tripentyltin	AA	Chloro-octadecane
D	Bromochlorobenene	J	n-Triacontane	P	1-methylnaphthalene	V	Tri-n-propyltin	BB	2,4-Dichlorophenylacetic acid
E	1,4-Dichlorobutane	K	Hexacosane	Q	Dichlorophenyl Acetic Acid (DCAA)	W	Tributyl Phosphate	CC	2,5-Dibromotoluene
F	1,4-Difluorobenzene (DFB)	L	Bromobenzene	R	4-Nitrophenol	X	Triphenyl Phosphate		

LDC #: 54874 C3b

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: ✓ GC HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the target analytes identified below using the following calculation:

%Recovery = 100 * (SSC/SA)
RPD =(({SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration
LCS = Laboratory Control Sample
SA = Spike added
LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: 295632 LCS ID

Compound	Spike Added (ug/100)cm2		Spike Sample Concentration (ug/100)cm2		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1260	5.0	5.0	5.64	6.161	113	113	123	123	9	9

Comments: _____

LDC #: 54874c3b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT

METHOD: / GC __ HPLC

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

Concentration= $\frac{(A)(Fv)(Df)}{(RF)(Vs \text{ or } Ws)(\%S/100)}$

A= Area or height of the target analyte to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the target analyte In the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. 295632 LCS Aroclor 1260

Concentration = $\frac{564.84 \ (10)}{(1000)}$ =

= 5.6484

#	Sample ID	Target analyte	Reported Concentrations ($\frac{ug}{100 cm^2}$)	Recalculated Results Concentrations ($\frac{ug}{100 cm^2}$)	Qualifications
	LCS	Aroclor 1260	5.648	5.6484	
	1260-1 = 3104121.667 (20.0) / 17655 33.69 (0.0629)		= 559.0	1260-1 = 559.0	
				2 = 540.2	
				3 = 541.4	
				4 = 620.0	
				5 = 563.6	

Comments: _____

LDC #: 54874C4b

SDG #: 467771

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 3

Date: 9/29/22

Page: 1 of 1

Reviewer: AT

2nd Reviewer: CT

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	SW	
IV.	Laboratory Blanks	A	
V.	Field Blanks	SW	MEDBLANK = 220822-L-MEDBLANK (From SDG # 467767)
VI.	Matrix Spike/Matrix Spike Duplicates	N	C.S
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	N	
XI.	Target Analyte Quantitation	A	
XII	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.3GE-PS-20-220822-L-LA	467771-002	Wipe	08/22/22
2	DOOR-N-0.4GE-PS-20-220822-L-G	467771-004	Wipe	08/22/22
3	ARCH-C1E-EXT-5 TO 6-220822-L-WF	467771-006	Wipe	08/22/22
4	DOOR-N-0.2GE-PS-19-220822-L-G	467771-008	Wipe	08/22/22
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
I. Technical holding times				
Were all technical holding times met?	✓			
Were all water samples preserved to a pH of <2.			✓	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			✓	
Were %RSDs of isoptoes in the tuning solution ≤5%?			✓	
III. Calibration				
Were all instruments calibrated daily?	✓			
Were the proper standards used?	✓			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	✓			
Were the low level standard checks within 70-130%?			✓	
Were all initial calibration correlation coefficients within limits as specifed by the method?	✓			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks?		✓		
Was there contamination in the initial and continuing calibration blanks?		✓		
V. Interference Check Sample				
Were the interference check samples performed daily?	✓			
Were the AB solution recoveries within 80-120%?	✓			
VI. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			✓	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			✓	
VII. Laboratory Control Samples				
SDG?	✓			

Were the LCS recoveries and RPDs (if applicable) within QC limits?	✓			
METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
VIII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			✓	
If the recoveries were outside the limits, was a reanalysis performed?			✓	
IX. Serial Dilution				
Were all percent differences <10%?			✓	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			✓	
X. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?	✓			
Were all soil samples dry weight corrected?			✓	
XI. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	✓			
XII. Field Duplicates				
Were field duplicates identifed in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
XIII. Field Blanks				
Were field blanks identified in this SDG?	✓			
Were target analytes detected in the field blanks?	✓			

LDC #: 54874C4b

VALIDATION FINDINGS WORKSHEET
ICP Interference Check Sample

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Were ICP interference check samples performed as required?

(Y) N N/A Were the AB solution percent recoveries (%R) within the control limits of 80-120% ?

LEVEL IV ONLY:

(Y) N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	Date	ICS Identification	Analyte	Finding	Associated Samples	Qualifications
	8/23/22	ICSA (10:13)	Pb	0.005544 (≤ 0.003333)	all	no qual (sample interferents < ICSA)

Comments:

LDC #: 54874C4b

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

Reviewer: ATL

METHOD: Trace metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (~~ug/L~~ mg/L)	True (~~ug/L~~ mg/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
	ICP (Low Level calibration)						
	ICP/MS (Low Level calibration)						
ICV	ICP (Initial calibration)	Pb	1.041	1.000	104	104	Y
	ICP/MS (Initial calibration)						
	CVAA (Initial calibration)						
CCV	ICP (Continuing calibration) 8/23 @ 14:20	Pb	1.04469	1.000	104	104	Y
	ICP/MS (Continuing calibration)						
	CVAA (Continuing calibration)						

ICP-MS TUNE	Calculation	Mass	Actual (Mean Counts / Axis)	Required (Counts / Axis)	Recalculated %RSD	Acceptable (Y/N)
	Mass Axis			± 0.1 AMU	NA	
	%RSD			≤ 5% RSD		

Comments:

LDC #: 54874C4b

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: ATV

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

$\%D = \frac{|I-SDR|}{I} \times 100$ Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (units) µg/ft2	True / D / SDR (units) µg/ft2	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
ICSAB	ICP interference check	Pb	1.041 mg/L	1.000 mg/L	104	104	Y
LCS	Laboratory control sample	Pb	104.602	100.00	105	105	Y
	Matrix spike		(SSR-SR)				
	Duplicate						
	Post digestion spike						
	ICP serial dilution						

Comments: _____

LDC #: 54874C4b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Have results been reported and calculated correctly?
(Y) N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
(Y) N N/A Are all detection limits below the CRDL?

Detected analyte results for Pb were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

Recalculation: #2

$$0.18886 \times \frac{100}{1.06} = 17.817$$

#	Sample ID	Analyte	Reported Concentration (ug/kg)	Calculated Concentration (ug/kg)	Acceptable (Y/N)
	1	Pb	29	29.007	Y
	2	Pb	18	17.817	Y
	3	Pb	53	53.233	Y
	4	Pb	26	25.821	Y

Note:

Quality Control
Outlier Reports

467774

(No Outliers)

LDC #: 54874D3b
SDG #: 467774
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 2A

Date: 9/30/2022
Page: __ of __
Reviewer: MM
2nd Reviewer: [signature]

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Initial calibration/ICV	N/N	
III.	Continuing calibration	N	
IV.	Laboratory Blanks	A	MB
V.	Field blanks	N	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	LCS/LCSD
IX.	Field duplicates	N	
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.2GE-DG-4 TO 18-220822-P-LA	467774-001	Wipe	08/22/22
2	DOOR-N-0.5GE-EXT-4 TO 5-220822-P-CB	467774-003	Wipe	08/22/22
3	ARCH-C1E-PS-6.5-220822-P-G	467774-005	Wipe	08/22/22
4	ARCH-C1E-INT-6.5 TO 7.5-220822-P-WF	467774-007	Wipe	08/22/22
5				
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12				
13				

Notes:

LDC #: 54874D4b

SDG #: 467774

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 9/30/2022

Page: of

Reviewer:

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	A	MB
V.	Field Blanks	SW	qual A - No qual
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	N	
XI.	Target Analyte Quantitation	N	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	DOOR-N-0.2GE-DG-4 TO 18-220822-L-LA	467774-002	Wipe	08/22/22
2	DOOR-N-0.5GE-EXT-4 TO 5-220822-L-CB	467774-004	Wipe	08/22/22
3	ARCH-C1E-PS-6.5-220822-L-G	467774-006	Wipe	08/22/22
4	ARCH-C1E-INT-6.5 TO 7.5-220822-L-WF	467774-008	Wipe	08/22/22
5				
6				
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14				
15				

Notes:

Attachment 6

Clearance Sampling Summary and Laboratory Reports

Clearance Wipe Sampling Results - Zone 1

Hangar 1 NTCRA

Former Naval Air Station Moffett Field, California

				Lead	PCBs								
				Result	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268
Location ID [a]	Sample Date	Zone	Enclosure	µg/ft^2	Concentration - µg/100 cm^2								
			Clearance Goal	<250	≤10	≤10	≤10	≤10	≤10	≤10	≤10	≤10	≤10
CLEAR-DOOR-N-0.2GW-DG-7 TO 21-220722-LA	7/22/2022	1	C	81	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-SCAF-Z1EC-L17-220722 [b]	7/22/2022	1	C	410	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-SCAF-Z1EC-L17-220722-DUP	7/22/2022	1	C	430	--	--	--	--	--	--	--	--	--
CLEAR-ENC-Z1EC-L17-220722	7/22/2022	1	C	19	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-DOOR-N-0.4GW-EXT-6 TO 7-220722-CB	7/22/2022	1	C	61	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-DOOR-N-0.4GW-EXT-6 TO 7-220722-DUP-CB [b]	7/22/2022	1	C	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-SCAF-Z1EC-L15-220722	7/22/2022	1	C	200	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-ENC-Z1EC-L15-220722	7/22/2022	1	C	58	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-DOOR-N-0.1GW-DG-6 TO 19-220725-LA	7/25/2022	1	C	82	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
CLEAR-SCAF-Z1EC-L13-220725	7/25/2022	1	C	170	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-ENC-Z1EC-L13-220725	7/25/2022	1	C	340	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-DOOR-N-0.1GW-INT-17 TO 18-220725-CB	7/25/2022	1	C	56	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-SCAF-Z1EC-L7-220725	7/25/2022	1	C	260	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-ENC-Z1EC-L7-220725	7/25/2022	1	C	<3.4	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
CLEAR-DOOR-N-0.2GW-PS-17-220725-LA	7/25/2022	1	C	90	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-SCAF-Z1EC-L6-220725	7/25/2022	1	C	150	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
CLEAR-ENC-Z1EC-L6-220725	7/25/2022	1	C	95	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-MEDBLANK-220722 [b]	7/22/2022	1	C	4.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Average Clearance Results: Zone 1 Enclosure C [b]				138	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-DOOR-N-0.1GW-DG-13 TO 27-220815-LA	8/15/2022	1	D	130	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-SCAF-Z1ED-L28-220815	8/15/2022	1	D	97	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-SCAF-Z1ED-L28-220815-DUP [b]	8/15/2022	1	D	60	--	--	--	--	--	--	--	--	--
CLEAR-ENC-Z1ED-L28-220815	8/15/2022	1	D	42	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-DOOR-N-0.3GW-DG-11 TO 25-220815-LA	8/15/2022	1	D	160	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-DOOR-N-0.3GW-DG-11 TO 25-220815-DUP-LA [b]	8/15/2022	1	D	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-SCAF-Z1ED-L26-220815	8/15/2022	1	D	600	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-ENC-Z1ED-L26-220815	8/15/2022	1	D	85	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-DOOR-N-0.8GW-DG-10 TO 24-220816-G	8/16/2022	1	D	26	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-SCAF-Z1ED-L24-220816	8/16/2022	1	D	200	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-ENC-Z1ED-L24-220816	8/16/2022	1	D	44	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-DOOR-N-0.7GW-DG-9 TO 22-220816-LA	8/16/2022	1	D	37	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-SCAF-Z1ED-L21-220816	8/16/2022	1	D	470	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-ENC-Z1ED-L21-220816	8/16/2022	1	D	52	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-DOOR-N-0.8GE-PS-22-220816-G	8/16/2022	1	D	130	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-SCAF-Z1ED-L20-220816	8/16/2022	1	D	270	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-ENC-Z1ED-L20-220816	8/16/2022	1	D	370	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-MEDBLANK-220815 [b]	8/15/2022	1	D	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Average Clearance Results: Zone 1 Enclosure D [b]				181	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-DOOR-N-0.5GW-DG-7 TO 20-220817-LA [b]	8/17/2022	1	B	21 b	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-DOOR-N-0.5GW-DG-7 TO 20-220817-DUP-LA	8/17/2022	1	B	22 b	--	--	--	--	--	--	--	--	--
CLEAR-SCAF-Z1EB-L16-220817	8/17/2022	1	B	60 b	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-ENC-Z1EB-L16220817	8/17/2022	1	B	40 b	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-DOOR-N-0.9GE-PS-20-220817-G	8/17/2022	1	B	15 b	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-SCAF-Z1EB-L14-220817	8/17/2022	1	B	93 b	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-SCAF-Z1EB-L14-220817-DUP [b]	8/17/2022	1	B	--	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
CLEAR-ENC-Z1EB-L14-220817	8/17/2022	1	B	20 b	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-DOOR-N-0.8GW-EXT-5 TO 6-220817-CB	8/17/2022	1	B	9.4 b	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Clearance Wipe Sampling Results - Zone 1

Hangar 1 NTCRA

Former Naval Air Station Moffett Field, California

				Lead	PCBs								
				Result	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268
Location ID [a]	Sample Date	Zone	Enclosure	µg/ft^2	Concentration - µg/100 cm^2								
			Clearance Goal	<250	≤10	≤10	≤10	≤10	≤10	≤10	≤10	≤10	≤10
CLEAR-SCAF-Z1EB-L12-220817	8/17/2022	1	B	**60 b**	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
CLEAR-ENC-Z1EB-L12-220817	8/17/2022	1	B	**39 b**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-DOOR-N-0.6GW-INT-17 TO 18-220818-CB	8/18/2022	1	B	**21**	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
CLEAR-SCAF-Z1EB-L7-220818	8/18/2022	1	B	**35**	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
CLEAR-ENC-Z1EB-L7-220808	8/18/2022	1	B	**370**	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
CLEAR-DOOR-N-0.7GE-INT-16 TO 17-220818-CB	8/18/2022	1	B	**8.9**	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
CLEAR-SCAF-Z1EB-L4-220818	8/18/2022	1	B	**30**	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
CLEAR-ENC-Z1EB-L4-220818	8/18/2022	1	B	**58**	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
CLEAR-MEDBLANK-220817 [b]	8/17/2022	1	B	**0.86 b**	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
Average Clearance Results: Zone 1 Enclosure B [b]				**59**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-DOOR-N-0.5GE-PS-21-220830-G	8/30/2022	1	A	**31 b**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-DOOR-N-0.5GE-PS-21-220830-G-DUP [b]	8/30/2022	1	A	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-SCAF-Z1EA-L17-220830	8/30/2022	1	A	**49**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-ENC-Z1EA-L17-220830	8/30/2022	1	A	**50**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-DOOR-N-0.4GE-PS-20-220830	8/30/2022	1	A	<4.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-SCAF-Z1EA-L14-220830	8/30/2022	1	A	**23**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-ENC-Z1EA-L14-220830	8/30/2022	1	A	<5.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-ARCH-C1E-PS-6.5-220830-G	8/30/2022	1	A	<9.1	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
CLEAR-SCAF-Z1EA-L12-220830 [b]	8/30/2022	1	A	**51**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-SCAF-Z1EA-L12-220830-DUP	8/30/2022	1	A	**360**	--	--	--	--	--	--	--	--	--
CLEAR-ENC-Z1EA-L12-220830	8/30/2022	1	A	**100**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-AFRAME-C1E-LAT-L3-EXT-1 TO 2-220830-WF	8/30/2022	1	A	**40**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-SCAF-Z1EA-L7-220830	8/30/2022	1	A	**63**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-ENC-Z1EA-L7-220830	8/30/2022	1	A	**45**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-DOOR-N-0.5GE-INT-16 TO 17-220830-L-CB	8/30/2022	1	A	<11	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
CLEAR-SCAF-Z1EA-L4-220830	8/30/2022	1	A	**69 b**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-ENC-Z1EA-L4-220830	8/30/2022	1	A	<19	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-MEDBLANK-220830 [b]	8/30/2022	1	A	**5.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Average Clearance Results: Zone 1 Enclosure A [b]				**55**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Acronyms and Abbreviations:

b: High recovery in an ICS for lead in the presence of high concentrations of aluminum. Data quality was not affected by this detection.

ICS: Interference Check Standard

NTCRA: Non-Time-Critical Removal Action

PCBs: polychlorinated biphenyls

UJ: Indicates the compound or analyte was analyzed but not detected. The sample detection limit is an estimated value.

µg/100 cm^2: micrograms per 100 square centimeters

µg/ft^2: micrograms per square foot

Notes:

[a] Location ID corresponds to the Field ID in the Laboratory Analytical Reports.

[b] Media blank results and the lower of the duplicate clearance wipe sampling results were not used to calculate the average concentrations within each enclosure. Because PCBs were not reported at concentrations above laboratory analytical reporting limits in any of the clearance wipe samples, the values presented for PCBs are the maximum of the analytical reporting limits for each Aroclor.

Bolded values indicate constituents detected above laboratory reporting limits.

Shaded values indicate constituents reported at concentrations above the Clearance Goal.

"--" Not analyzed

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

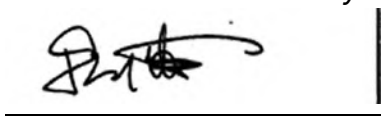
Lab Job Number: 466158
Report Level: II
Report Date: 07/29/2022

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 - NCTRA WP

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	466158
Project No:	20-10491
Location:	Hangar 1 - NCTRA WP
Date Received:	07/23/22

Sample ID	Lab ID	Collected	Matrix
CLEAR-DOOR-N-0.2GW-DG-7 TO 21-220722-L-LA	466158-001	07/22/22 16:37	Wipe
CLEAR-DOOR-N-0.2GW-DG-7 TO 21-220722-P-LA	466158-002	07/22/22 16:37	Wipe
CLEAR-SCAF-Z1EC-L17-220722-L	466158-003	07/22/22 16:46	Wipe
CLEAR-SCAF-Z1EC-L17-220722-L-DUP	466158-004	07/22/22 16:46	Wipe
CLEAR-SCAF-Z1EC-L17-220722-P	466158-005	07/22/22 16:46	Wipe
CLEAR-ENC-Z1EC-L17-220722-L	466158-006	07/22/22 16:53	Wipe
CLEAR-ENC-Z1EC-L17-220722-P	466158-007	07/22/22 16:53	Wipe
CLEAR-DOOR-N-0.4GW-EXT-6 TO 7-220722-L-CB	466158-008	07/22/22 15:36	Wipe
CLEAR-DOOR-N-0.4GW-EXT-6 TO 7-220722-P-CB	466158-009	07/22/22 15:36	Wipe
CLEAR-DOOR-N-0.4GW-EXT-6 TO 7-220722-P-DUP-CB	466158-010	07/22/22 15:36	Wipe
CLEAR-SCAF-Z1EC-L15-220722-L	466158-011	07/22/22 15:54	Wipe
CLEAR-SCAF-Z1EC-L15-220722-P	466158-012	07/22/22 15:54	Wipe
CLEAR-ENC-Z1EC-L15-220722-L	466158-013	07/22/22 16:04	Wipe
CLEAR-ENC-Z1EC-L15-220722-P	466158-014	07/22/22 16:04	Wipe
CLEAR-MEDBLANK-220722-L	466158-015	07/22/22 16:30	Wipe
CLEAR-MEDBLANK-220722-P	466158-016	07/22/22 16:30	Wipe

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 466158 Project No: 20-10491 Location: Hangar 1 - NCTRA WP Date Received: 07/23/22

This data package contains sample and QC results for sixteen wipe samples, requested for the above referenced project on 07/25/22. The samples were received cold and intact.

PCBs (EPA 8082):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

466158

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 3

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other
Report: Level II data validation

Sample Receipt Temp: 4.4/2.5 (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	Tyler Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
1	CLEAR-DOOR-N-0.2GW-DG-7 TO 21-220722-L-LA	7/22/2022	1637	WP	1			X	
2	CLEAR-DOOR-N-0.2GW-DG-7 TO 21-220722-P-LA	7/22/2022	1637	WP	1		X		
3	CLEAR-SCAF-Z1EC-L17-220722-L	7/22/2022	1646	WP	1			X	
4	CLEAR-SCAF-Z1EC-L17-220722-L-DUP	7/22/2022	1646	WP	1			X	
5	CLEAR-SCAF-Z1EC-L17-220722-P	7/22/2022	1646	WP	1		X		
6	CLEAR-ENC-Z1EC-L17-220722-L	7/22/2022	1653	WP	1			X	
7	CLEAR-ENC-Z1EC-L17-220722-P	7/22/2022	1653	WP	1		X		
8	CLEAR-DOOR-N-0.4GW-EXT-6 TO 7-220722-L-CB	7/22/2022	1536	WP	1			X	
9	CLEAR-DOOR-N-0.4GW-EXT-6 TO 7-220722-P-CB	7/22/2022	1536	WP	1		X		
10	CLEAR-DOOR-N-0.4GW-EXT-6 TO 7-220722-P-DUP-CB	7/22/2022	1536	WP	1		X		
11	CLEAR-SCAF-Z1EC-L15-220722-L	7/22/2022	1554	WP	1			X	
12	CLEAR-SCAF-Z1EC-L15-220722-P	7/22/2022	1554	WP	1		X		
13	CLEAR-ENC-Z1EC-L15-220722-L	7/22/2022	1604	WP	1			X	
14	CLEAR-ENC-Z1EC-L15-220722-P	7/22/2022	1604	WP	1		X		
15	~~CLEAR-DOOR-N-0.1GW-DG-6 TO 19-220722-L-LA~~	~~7/22/2022~~		WP	1			X	

Analysis Request

Test Instructions / Comments

Clearance Wipe Samples - Level II Report/Stage 2A Validation
Report PCB concentrations on a µg/100cm² basis
Report lead concentrations on a µg/ft² basis
Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure C

2x Rivet Type 1 = 0.0276 ft² added area

JS

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	TK Sinnott	Tyler Sinnott	Rincon / Envi. Scientist	7/22/22 / 1757
1 Received By: 7/23/22	FEDEX			
2 Relinquished By:	FEDEX			
2 Received By:		Elizabeth Ramirez	EA	7/23/22 10:56 hrs
3 Relinquished By:				
3 Received By:				

466159

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 2 of 3

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	Tyler Sinnott

Analysis Request

Test Instructions / Comments

Clearance Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure c

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	
16	CLEAR-DOOR-N-0.1GW-DG-6 TO 19-220722-P-LA	7/22/2022		WP	1		X			TS
17	CLEAR-SCAF-Z1EC-L13-220722-L	7/22/2022		WP	1			X		TS
18	CLEAR-SCAF-Z1EC-L13-220722-P	7/22/2022		WP	1		X			TS
19	CLEAR-ENC-Z1EC-L13-220722-L	7/22/2022		WP	1			X		TS
20	CLEAR-ENC-Z1EC-L13-220722-P	7/22/2022		WP	1		X			TS
21	CLEAR-DOOR-N-0.1GW-INT-17 TO 18-220722-L-CB	7/22/2022		WP	1			X		TS
22	CLEAR-DOOR-N-0.1GW-INT-17 TO 18-220722-P-CB	7/22/2022		WP	1		X			
23	CLEAR-SCAF-Z1EC-L7-220722-L	7/22/2022		WP	1			X		TS
24	CLEAR-SCAF-Z1EC-L7-220722-P	7/22/2022		WP	1		X			TS
25	CLEAR-ENC-Z1EC-L7-220722-L	7/22/2022		WP	1			X		TS
26	CLEAR-ENC-Z1EC-L7-220722-P	7/22/2022		WP	1		X			TS
27	DOOR-N-0.2GW-PS-17-220722-L-LA	7/22/2022		WP	1			X		TS
28	DOOR-N-0.2GW-PS-17-220722-P-LA	7/22/2022		WP	1		X			TS
29	CLEAR-SCAF-Z1EC-L6-220722-L	7/22/2022		WP	1			X		TS
30	CLEAR-SCAF-Z1EC-L6-220722-P	7/22/2022		WP	1		X			TS

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	TS	Tyler Sinnott	Rincon / Envi. Scientist	7/22/22 / 1757
[1] Received By:	FEDEX			
[2] Relinquished By:	FED EX			
[2] Received By:		Elizabeth Ramirez	EA	7/23/22 10:56
[3] Relinquished By:				
[3] Received By:				

466150

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 3 of 3

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	Tyler Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
31	~~CLEAR-ENC-Z1EC-L6-220722-L~~	~~7/22/2022~~		WP	1			~~X~~		~~13~~
32	CLEAR-ENC-Z1EC-L6-220722-P	7/22/2022		WP	1		~~X~~			~~75~~
33	CLEAR-MEDBLANK-220722-L	7/22/2022	1630	WP	1			X		
34	CLEAR-MEDBLANK-220722-P	7/22/2022	1630	WP	1		X			
35										
36										
37										
38										
39										
40										
41										
42										
43										
44										
45										

Clearance Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure C

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	TSmith	Tyler Sinnott	Rincon / Envi. Scientist	7/22/22 1757
1 Received By:	FEDEX			
2 Relinquished By:	FEDEX			
2 Received By:		Elizabeth Reynoso	EA	7/29/22 10:56
3 Relinquished By:				
3 Received By:				

ENTHALPY

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Nangar 1 - NCTR AWP

Date Received: 7/23/22 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 4.4 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: FEDEX

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 2.5 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?	✓		
If custody seals are present, were they intact?	✓		
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 7/23/22

ORIGIN ID:NUQA (619) 977-6886
KERRY CAMPBELL

1935 W EL CAMINO REAL

MOUNTAIN VIEW, CA 94040
UNITED STATES US

SHIP DATE: 22JUL22
ACTWGT: 30.00 LB
CAD: 254485286/INET4490
DIMS: 23x13x14 IN

BILL SENDER

TO **SAMPLE RECEIVING**
ENTHALPY ANALYTICAL
931 W BARKLEY AVE

ORANGE CA 92868
(510) 204-2233 REF: MOFFETT
INV:
PO: 20-10491 DEPT:

581J20A92/FE4A

FedEx Express

FedEx Ship Manager - Print Your Label(s)

SATURDAY 12:00P
PRIORITY OVERNIGHT

TRK# 0201 **7774 6545 2084**

FedEx
TRK# 0201 **7774 6545 2084**

MON - 25 JUL AA
PRIORITY OVERNIGHT

WZ APVA

92868
CA-US **SNA**

#4565974 07/22 581J2/0A92/FE4A

7/22/22, 3:28 PM

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466158 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 - NCTRA WP

Field ID: CLEAR-DOOR-N-0.2GW-DG-7 TO 21-220722-P-LA **Batch#:** 293813 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 07/22/22 **Analysis:** EPA 8082

Lab ID: 466158-002 **Received:** 07/23/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/27/22

DiIn Fac: 1.000 **Analyzed:** 07/29/22

466158-002 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466158-002 Surrogate	%REC	Limits
TCMX (PCB)	145	52-186
Decachlorobiphenyl (PCB)	142	50-150

Field ID: CLEAR-SCAF-Z1EC-L17-220722-P **Batch#:** 293813 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 07/22/22 **Analysis:** EPA 8082

Lab ID: 466158-005 **Received:** 07/23/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/27/22

DiIn Fac: 1.000 **Analyzed:** 07/29/22

466158-005 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466158-005 Surrogate	%REC	Limits
TCMX (PCB)	130	52-186
Decachlorobiphenyl (PCB)	124	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466158 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 - NCTRA WP

Field ID: CLEAR-ENC-Z1EC-L17-220722-P **Batch#:** 293813 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 07/22/22 **Analysis:** EPA 8082

Lab ID: 466158-007 **Received:** 07/23/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/27/22

Diln Fac: 1.000 **Analyzed:** 07/29/22

466158-007 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466158-007 Surrogate	%REC	Limits
TCMX (PCB)	147	52-186
Decachlorobiphenyl (PCB)	139	50-150

Field ID: CLEAR-DOOR-N-0.4GW-EXT-6 TO 7-220722-P-CB **Batch#:** 293813 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 07/22/22 **Analysis:** EPA 8082

Lab ID: 466158-009 **Received:** 07/23/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/27/22

Diln Fac: 1.000 **Analyzed:** 07/29/22

466158-009 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466158-009 Surrogate	%REC	Limits
TCMX (PCB)	142	52-186
Decachlorobiphenyl (PCB)	128	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466158 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 - NCTRA WP

Field ID: CLEAR-DOOR-N-0.4GW-EXT-6 TO 7-220722-P-DUP-CB **Batch#:** 293813 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 07/22/22 **Analysis:** EPA 8082

Lab ID: 466158-010 **Received:** 07/23/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/27/22

Dil n Fac: 1.000 **Analyzed:** 07/29/22

466158-010 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466158-010 Surrogate	%REC	Limits
TCMX (PCB)	155	52-186
Decachlorobiphenyl (PCB)	140	50-150

Field ID: CLEAR-SCAF-Z1EC-L15-220722-P **Batch#:** 293813 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 07/22/22 **Analysis:** EPA 8082

Lab ID: 466158-012 **Received:** 07/23/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/27/22

Dil n Fac: 1.000 **Analyzed:** 07/29/22

466158-012 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466158-012 Surrogate	%REC	Limits
TCMX (PCB)	139	52-186
Decachlorobiphenyl (PCB)	135	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466158 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 - NCTRA WP

Field ID: CLEAR-ENC-Z1EC-L15-220722-P **Batch#:** 293813 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 07/22/22 **Analysis:** EPA 8082

Lab ID: 466158-014 **Received:** 07/23/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/27/22

Diln Fac: 1.000 **Analyzed:** 07/29/22

466158-014 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466158-014 Surrogate	%REC	Limits
TCMX (PCB)	157	52-186
Decachlorobiphenyl (PCB)	142	50-150

Field ID: CLEAR-MEDBLANK-220722-P **Batch#:** 293813 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 07/22/22 **Analysis:** EPA 8082

Lab ID: 466158-016 **Received:** 07/23/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 07/27/22

Diln Fac: 1.000 **Analyzed:** 07/29/22

466158-016 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466158-016 Surrogate	%REC	Limits
TCMX (PCB)	139	52-186
Decachlorobiphenyl (PCB)	124	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466158 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 - NCTRA WP

Type: BLANK **Batch#:** 293813 **Analysis:** EPA 8082

Lab ID: QC1002967 **Prepared:** 07/27/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/29/22

Dil'n Fac: 1.000 **Prep:** EPA 3580

QC1002967 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1002967 Surrogate	%REC	Limits
TCMX (PCB)	96	52-186
Decachlorobiphenyl (PCB)	92	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 466158 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 - NCTRA WP

Type: BS **Batch#:** 293813 **Analysis:** EPA 8082

Lab ID: QC1002968 **Prepared:** 07/27/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/29/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1002968 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.987	100	60-140	ug/100 cm2
Aroclor-1260	5.000	4.901	98	60-140	ug/100 cm2

QC1002968 Surrogate	%REC	Limits
TCMX (PCB)	88	52-186
Decachlorobiphenyl (PCB)	86	60-140

Type: BSD **Batch#:** 293813 **Analysis:** EPA 8082

Lab ID: QC1002969 **Prepared:** 07/27/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 07/29/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1002969 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.761	95	60-140	ug/100 cm2	5	20
Aroclor-1260	5.000	4.645	93	60-140	ug/100 cm2	5	20

QC1002969 Surrogate	%REC	Limits
TCMX (PCB)	83	52-186
Decachlorobiphenyl (PCB)	80	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Lead

Lab #: 466158 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 - NCTRA WP

Field ID: CLEAR-DOOR-N-0.2GW-DG-7 TO 21-220722-L-LA **Batch#:** 293664 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/22/22 **Analysis:** EPA 6010B
Lab ID: 466158-001 **Received:** 07/23/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/25/22
Dln Fac: 1.000 **Analyzed:** 07/25/22

466158-001 Analyte	Result	RL	Units
Lead	**81**	0.97	ug/ft2

Field ID: CLEAR-SCAF-Z1EC-L17-220722-L **Batch#:** 293664 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/22/22 **Analysis:** EPA 6010B
Lab ID: 466158-003 **Received:** 07/23/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/25/22
Dln Fac: 1.000 **Analyzed:** 07/25/22

466158-003 Analyte	Result	RL	Units
Lead	**410**	1.0	ug/ft2

Field ID: CLEAR-SCAF-Z1EC-L17-220722-L-DUP **Batch#:** 293664 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/22/22 **Analysis:** EPA 6010B
Lab ID: 466158-004 **Received:** 07/23/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/25/22
Dln Fac: 1.000 **Analyzed:** 07/25/22

466158-004 Analyte	Result	RL	Units
Lead	**430**	1.0	ug/ft2

Field ID: CLEAR-ENC-Z1EC-L17-220722-L **Batch#:** 293664 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/22/22 **Analysis:** EPA 6010B
Lab ID: 466158-006 **Received:** 07/23/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/25/22
Dln Fac: 1.000 **Analyzed:** 07/25/22

466158-006 Analyte	Result	RL	Units
Lead	**19**	1.0	ug/ft2

Field ID: CLEAR-DOOR-N-0.4GW-EXT-6 TO 7-220722-L-CB **Batch#:** 293664 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/22/22 **Analysis:** EPA 6010B
Lab ID: 466158-008 **Received:** 07/23/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/25/22
Dln Fac: 1.000 **Analyzed:** 07/25/22

466158-008 Analyte	Result	RL	Units
Lead	**61**	1.0	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 466158 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 - NCTRA WP

Field ID: CLEAR-SCAF-Z1EC-L15-220722-L **Batch#:** 293664 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/22/22 **Analysis:** EPA 6010B
Lab ID: 466158-011 **Received:** 07/23/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/25/22
Diln Fac: 1.000 **Analyzed:** 07/25/22

466158-011 Analyte	Result	RL	Units
Lead	**200**	1.0	ug/ft2

Field ID: CLEAR-ENC-Z1EC-L15-220722-L **Batch#:** 293664 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/22/22 **Analysis:** EPA 6010B
Lab ID: 466158-013 **Received:** 07/23/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/25/22
Diln Fac: 1.000 **Analyzed:** 07/25/22

466158-013 Analyte	Result	RL	Units
Lead	**58**	1.0	ug/ft2

Field ID: CLEAR-MEDBLANK-220722-L **Batch#:** 293735 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/22/22 **Analysis:** EPA 6010B
Lab ID: 466158-015 **Received:** 07/23/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/26/22
Diln Fac: 1.000 **Analyzed:** 07/26/22

466158-015 Analyte	Result	RL	Units
Lead	**4.4**	1.0	ug/ft2

Type: BLANK **Batch#:** 293664 **Analysis:** EPA 6010B
Lab ID: QC1002501 **Prepared:** 07/25/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 07/25/22
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1002501 Analyte	Result	RL	Units
Lead	ND	1.0	ug/ft2

Type: BLANK **Batch#:** 293735 **Analysis:** EPA 6010B
Lab ID: QC1002725 **Prepared:** 07/26/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 07/26/22
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1002725 Analyte	Result	RL	Units
Lead	ND	1.0	ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 466158 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 - NCTRA WP

Type: BS **Batch#:** 293664 **Analysis:** EPA 6010B
Lab ID: QC1002502 **Prepared:** 07/25/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 07/25/22
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1002502 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	98.20	98	80-120	ug/ft2

Type: BS **Batch#:** 293735 **Analysis:** EPA 6010B
Lab ID: QC1002726 **Prepared:** 07/26/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 07/26/22
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1002726 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	103.1	103	80-120	ug/ft2

Type: BSD **Batch#:** 293664 **Analysis:** EPA 6010B
Lab ID: QC1002503 **Prepared:** 07/25/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 07/25/22
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1002503 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	102.4	102	80-120	ug/ft2	4	20

Type: BSD **Batch#:** 293735 **Analysis:** EPA 6010B
Lab ID: QC1002727 **Prepared:** 07/26/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 07/26/22
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1002727 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	97.29	97	80-120	ug/ft2	6	20

Legend

RPD: Relative Percent Difference

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

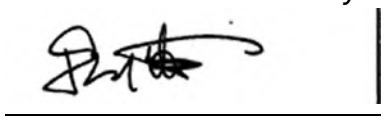
Lab Job Number: 466211
Report Level: II
Report Date: 08/02/2022

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	466211
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	07/25/22

Sample ID	Lab ID	Collected	Matrix
CLEAR-DOOR-N-0.1GW-DG-6 TO 19-220725-L-LA	466211-001	07/25/22 09:29	Wipe
CLEAR-DOOR-N-0.1GW-DG-6 TO 19-220725-P-LA	466211-002	07/25/22 09:29	Wipe
CLEAR-SCAF-Z1EC-L13-220725-L	466211-003	07/25/22 09:53	Wipe
CLEAR-SCAF-Z1EC-L13-220725-P	466211-004	07/25/22 09:53	Wipe
CLEAR-ENC-Z1EC-L13-220725-L	466211-005	07/25/22 10:01	Wipe
CLEAR-ENC-Z1EC-L13-220725-P	466211-006	07/25/22 10:01	Wipe
CLEAR-DOOR-N-0.1GW-INT-17 TO 18-220725-L-CB	466211-007	07/25/22 10:18	Wipe
CLEAR-DOOR-N-0.1GW-INT-17 TO 18-220725-P-CB	466211-008	07/25/22 10:18	Wipe
CLEAR-SCAF-Z1EC-L7-220725-L	466211-009	07/25/22 10:25	Wipe
CLEAR-SCAF-Z1EC-L7-220725-P	466211-010	07/25/22 10:25	Wipe
CLEAR-ENC-Z1EC-L7-220725-L	466211-011	07/25/22 10:31	Wipe
CLEAR-ENC-Z1EC-L7-220725-P	466211-012	07/25/22 10:31	Wipe
CLEAR-DOOR-N-0.2GW-PS-17-220725-L-LA	466211-013	07/25/22 10:43	Wipe
CLEAR-DOOR-N-0.2GW-PS-17-220725-P-LA	466211-014	07/25/22 10:43	Wipe
CLEAR-SCAF-Z1EC-L6-220725-L	466211-015	07/25/22 10:52	Wipe
CLEAR-SCAF-Z1EC-L6-220725-P	466211-016	07/25/22 10:52	Wipe
CLEAR-ENC-Z1EC-L6-220725-L	466211-017	07/25/22 10:59	Wipe
CLEAR-ENC-Z1EC-L6-220725-P	466211-018	07/25/22 10:59	Wipe

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 466211 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 07/25/22

This data package contains sample and QC results for eighteen wipe samples, requested for the above referenced project on 07/26/22. The samples were received cold and intact.

PCBs (EPA 8082):

- High surrogate recovery was observed for TCMX (PCB) in CLEAR-ENC-Z1EC-L7-220725-P (lab # 466211-012); no target analytes were detected in the sample.
- High surrogate recoveries were observed for decachlorobiphenyl (PCB) in CLEAR-DOOR-N-0.1GW-DG-6 TO 19-220725-P-LA (lab # 466211-002), CLEAR-ENC-Z1EC-L7-220725-P (lab # 466211-012), and CLEAR-SCAF-Z1EC-L6-220725-P (lab # 466211-016); no target analytes were detected in these samples.
- No other analytical problems were encountered.

Metals (EPA 6010B):

No analytical problems were encountered.

466211

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 3

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

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931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	Tyler Sinnott

Test Instructions / Comments

Clearance Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure C

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	
1	~~CLEAR-DOOR-N-0.2GW-DG-7 TO 21-220725-L-LA~~	7/25/2022		WP	1			X		TS
2	~~CLEAR-DOOR-N-0.2GW-DG-7 TO 21-220725-P-LA~~	7/25/2022		WP	1		X			TS
3	~~CLEAR-SCAF-Z1EC-L17-220725-L~~	7/25/2022		WP	1			X		TS
4	~~CLEAR-SCAF-Z1EC-L17-220725-L-DUP~~	7/25/2022		WP	1			X		TS
5	~~CLEAR-SCAF-Z1EC-L17-220725-P~~	7/25/2022		WP	1		X			TS
6	~~CLEAR-ENC-Z1EC-L17-220725-L~~	7/25/2022		WP	1			X		TS
7	~~CLEAR-ENC-Z1EC-L17-220725-P~~	7/25/2022		WP	1		X			TS
8	~~CLEAR-DOOR-N-0.4GW-EXT-6 TO 7-220725-L-CB~~	7/25/2022		WP	1			X		TS
9	~~CLEAR-DOOR-N-0.4GW-EXT-6 TO 7-220725-P-CB~~	7/25/2022		WP	1		X			TS
10	~~CLEAR-DOOR-N-0.4GW-EXT-6 TO 7-220725-P-DUP-CB~~	7/25/2022		WP	1		X			TS
11	~~CLEAR-SCAF-Z1EC-L15-220725-L~~	7/25/2022		WP	1			X		TS
12	~~CLEAR-SCAF-Z1EC-L15-220725-P~~	7/25/2022		WP	1		X			TS
13	~~CLEAR-ENC-Z1EC-L15-220725-L~~	7/25/2022		WP	1			X		TS
14	~~CLEAR-ENC-Z1EC-L15-220725-P~~	7/25/2022		WP	1		X			TS
15	CLEAR-DOOR-N-0.1GW-DG-6 TO 19-220725-L-LA	7/25/2022	0929	WP	1			X		2x Rivet Type I = 0.0276 ft² added area ea

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	~~TKSinnott~~	~~Tyler Sinnott~~	~~Rincon / Environmental~~	~~7/25/22~~ TS
1 Received By:				TS
2 Relinquished By:		Luis Moreno	MCC / Superintendent	7/25/22 2:35
2 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	7/25/22 2:36
3 Relinquished By:	Audrey Hudson	M "	4 "	~~7/25/22~~ 17:00
3 Received By:		Lorenzo Vi	BH	7/25/22 1720
		LORENZO PADILLA	EA/GL	7/26/22 0935AM.

46624

ENTHALPY ANALYTICAL

Chain of Custody Record — COC ID:

Page: 2 of 3

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	Tyler Sinnott

Test Instructions / Comments

Clearance Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure c

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
16	CLEAR-DOOR-N-0.1GW-DG-6 TO 19-220725-P-LA	7/25/2022	0929	WP	1		X		
17	CLEAR-SCAF-Z1EC-L13-220725-L	7/25/2022	0953	WP	1			X	
18	CLEAR-SCAF-Z1EC-L13-220725-P	7/25/2022	0953	WP	1		X		
19	CLEAR-ENC-Z1EC-L13-220725-L	7/25/2022	1001	WP	1			X	
20	CLEAR-ENC-Z1EC-L13-220725-P	7/25/2022	1001	WP	1		X		
21	CLEAR-DOOR-N-0.1GW-INT-17 TO 18-220725-L-CB	7/25/2022	1018	WP	1			X	
22	CLEAR-DOOR-N-0.1GW-INT-17 TO 18-220725-P-CB	7/25/2022	1018	WP	1		X		
23	CLEAR-SCAF-Z1EC-L7-220725-L	7/25/2022	1025	WP	1			X	
24	CLEAR-SCAF-Z1EC-L7-220725-P	7/25/2022	1025	WP	1		X		
25	CLEAR-ENC-Z1EC-L7-220725-L	7/25/2022	1031	WP	1			X	
26	CLEAR-ENC-Z1EC-L7-220725-P	7/25/2022	1031	WP	1		X		
27	CLEAR-DOOR-N-0.2GW-PS-17-220725-L-LA	7/25/2022	1043	WP	1			X	
28	CLEAR-DOOR-N-0.2GW-PS-17-220725-P-LA	7/25/2022	1043	WP	1		X		
29	CLEAR-SCAF-Z1EC-L6-220725-L	7/25/2022	1052	WP	1			X	
30	CLEAR-SCAF-Z1EC-L6-220725-P	7/25/2022	1052	WP	1		X		

2+ Rivet Type 1 = 0.0276 ft² added area

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	[signature]	~~Tyler Sinnott~~	~~Rincon / Envi. Scientist~~	~~7/25/22~~ TS
[1] Received By:				TS
[2] Relinquished By:	[signature]	Luis Moreno	MCC / Superintendent	7/25/22 2:35
[2] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	7/25/22 2:35
[3] Relinquished By:	Audrey Hudson			7/25/22 17:00
[3] Received By:	[signature]	[signature]	[signature]	7/25/22 17:22
	[signature]	ZAHID PADILLA	EA/GL	7/26/22 0935 AM

466211

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 3 of 3

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	Tyler Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
31	CLEAR-ENC-Z1EC-L6-220725-L	7/25/2022	1059	WP	1			X		
32	CLEAR-ENC-Z1EC-L6-220725-P	7/25/2022	1059	WP	1		X			
33	~~CLEAR-MEDBLANK-220725-L~~	~~7/25/2022~~		~~WP~~	1			X		TS
34	~~CLEAR-MEDBLANK-220725-P~~	~~7/25/2022~~		~~WP~~	1		X			TS
35										
36										
37										
38										
39										
40										
41										
42										
43										
44										
45										

Analysis Request

Test Instructions / Comments

Clearance Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure C

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	TS	Tyler Sinnott	Rincon / Basis Scientist	7/25/22 TS
[1] Received By:				TS
[2] Relinquished By:		Luis Moreno	NCC / Superintendent	7/25/22 2:35
[2] Received By:	Audrey Hudson	Audrey Hudson	ENTHALPY	7/25/22 2:35
[3] Relinquished By:	Audrey Hudson	"	"	7/25/22 17:00
[3] Received By:				7/25/22 17:00
		Lisa Ray		7/25/22 1728
		ZAIN PADILLA	EA/GL	7/26/22 0935AM.

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 46211 Client: Rincon

Date Received: 7/25/22 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☑ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 7/25/22 By (print) UEP (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☑ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: _____, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	—		
Were Method 5035 sampling containers present?		—	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	—		
Are there any missing / extra samples?		—	
Are samples in the appropriate containers for indicated tests?	—		
Are sample labels present, in good condition and complete?	—		
Does the container count match the COC?	—		
Do the sample labels agree with custody papers?	—		
Was sufficient amount of sample sent for tests requested?	—		
Did you change the hold time in LIMS for unpreserved VOAs?			—
Did you change the hold time in LIMS for preserved terracores?			—
Are bubbles > 6mm present in VOA samples?			—
Was the client contacted concerning this sample delivery?		—	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 7/25/22 **By (print)** UEP **(sign)** _____

Date Labeled 7/25/22 **By (print)** UEP **(sign)** _____

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 - NCTRA WP

Date Received: 7/26/22 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 1.1 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☑ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.5 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✔		
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 7/26/22

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ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466211 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-DOOR-N-0.1GW-DG-6 TO 19-220725-P-LA **Batch#:** 293814 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 07/25/22 **Analysis:** EPA 8082

Lab ID: 466211-002 **Received:** 07/25/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 07/27/22

DiIn Fac: 1.000 **Analyzed:** 07/28/22

466211-002 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466211-002 Surrogate	%REC	Limits
TCMX (PCB)	169	52-186
Decachlorobiphenyl (PCB)	153 *	50-150

Field ID: CLEAR-SCAF-Z1EC-L13-220725-P **Batch#:** 293814 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 07/25/22 **Analysis:** EPA 8082

Lab ID: 466211-004 **Received:** 07/25/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 07/27/22

DiIn Fac: 1.000 **Analyzed:** 07/28/22

466211-004 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466211-004 Surrogate	%REC	Limits
TCMX (PCB)	169	52-186
Decachlorobiphenyl (PCB)	146	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466211 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z1EC-L13-220725-P **Batch#:** 293814 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 07/25/22 **Analysis:** EPA 8082

Lab ID: 466211-006 **Received:** 07/25/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 07/27/22

Diln Fac: 1.000 **Analyzed:** 07/28/22

466211-006 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466211-006 Surrogate	%REC	Limits
TCMX (PCB)	173	52-186
Decachlorobiphenyl (PCB)	146	50-150

Field ID: CLEAR-DOOR-N-0.1GW-INT-17 TO 18-220725-P-CB **Batch#:** 293814 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 07/25/22 **Analysis:** EPA 8082

Lab ID: 466211-008 **Received:** 07/25/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 07/27/22

Diln Fac: 1.000 **Analyzed:** 07/28/22

466211-008 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466211-008 Surrogate	%REC	Limits
TCMX (PCB)	164	52-186
Decachlorobiphenyl (PCB)	138	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466211 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-SCAF-Z1EC-L7-220725-P **Batch#:** 293814 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 07/25/22 **Analysis:** EPA 8082

Lab ID: 466211-010 **Received:** 07/25/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 07/27/22

Diln Fac: 1.000 **Analyzed:** 07/28/22

466211-010 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466211-010 Surrogate	%REC	Limits
TCMX (PCB)	154	52-186
Decachlorobiphenyl (PCB)	132	50-150

Field ID: CLEAR-ENC-Z1EC-L7-220725-P **Batch#:** 293814 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 07/25/22 **Analysis:** EPA 8082

Lab ID: 466211-012 **Received:** 07/25/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 07/27/22

Diln Fac: 1.000 **Analyzed:** 07/28/22

466211-012 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466211-012 Surrogate	%REC	Limits
TCMX (PCB)	213 *	52-186
Decachlorobiphenyl (PCB)	178 *	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466211 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-DOOR-N-0.2GW-PS-17-220725-P-LA **Batch#:** 293814 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 07/25/22 **Analysis:** EPA 8082

Lab ID: 466211-014 **Received:** 07/25/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 07/27/22

Diln Fac: 1.000 **Analyzed:** 07/28/22

466211-014 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466211-014 Surrogate	%REC	Limits
TCMX (PCB)	165	52-186
Decachlorobiphenyl (PCB)	145	50-150

Field ID: CLEAR-SCAF-Z1EC-L6-220725-P **Batch#:** 293814 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 07/25/22 **Analysis:** EPA 8082

Lab ID: 466211-016 **Received:** 07/25/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 07/27/22

Diln Fac: 1.000 **Analyzed:** 07/28/22

466211-016 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466211-016 Surrogate	%REC	Limits
TCMX (PCB)	177	52-186
Decachlorobiphenyl (PCB)	152 *	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 466211 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z1EC-L6-220725-P **Batch#:** 293814 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 07/25/22 **Analysis:** EPA 8082

Lab ID: 466211-018 **Received:** 07/25/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 07/27/22

DiIn Fac: 1.000 **Analyzed:** 07/28/22

466211-018 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

466211-018 Surrogate	%REC	Limits
TCMX (PCB)	167	52-186
Decachlorobiphenyl (PCB)	141	50-150

Type: BLANK **Batch#:** 293814 **Analysis:** EPA 8082

Lab ID: QC1002970 **Prepared:** 07/27/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 07/28/22

DiIn Fac: 1.000 **Prep:** EPA 3580

QC1002970 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1002970 Surrogate	%REC	Limits
TCMX (PCB)	106	52-186
Decachlorobiphenyl (PCB)	98	60-140

Legend

***:** Value is outside QC limits

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 466211 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 293814 **Analysis:** EPA 8082

Lab ID: QC1002971 **Prepared:** 07/27/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 07/28/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1002971 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	5.314	106	60-140	ug/100 cm2
Aroclor-1260	5.000	5.739	115	60-140	ug/100 cm2

QC1002971 Surrogate	%REC	Limits
TCMX (PCB)	103	52-186
Decachlorobiphenyl (PCB)	99	60-140

Type: BSD **Batch#:** 293814 **Analysis:** EPA 8082

Lab ID: QC1002972 **Prepared:** 07/27/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 07/28/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1002972 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	5.279	106	60-140	ug/100 cm2	1	20
Aroclor-1260	5.000	5.636	113	60-140	ug/100 cm2	2	20

QC1002972 Surrogate	%REC	Limits
TCMX (PCB)	101	52-186
Decachlorobiphenyl (PCB)	96	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Lead

Lab #: 466211 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-DOOR-N-0.1GW-DG-6 TO 19-220725-L-LA **Batch#:** 293736 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/25/22 **Analysis:** EPA 6010B
Lab ID: 466211-001 **Received:** 07/25/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/26/22
Diln Fac: 1.000 **Analyzed:** 07/27/22

466211-001 Analyte	Result	RL	Units
Lead	**82**	0.97	ug/ft2

Field ID: CLEAR-SCAF-Z1EC-L13-220725-L **Batch#:** 293736 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/25/22 **Analysis:** EPA 6010B
Lab ID: 466211-003 **Received:** 07/25/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/26/22
Diln Fac: 1.000 **Analyzed:** 07/27/22

466211-003 Analyte	Result	RL	Units
Lead	**170**	1.0	ug/ft2

Field ID: CLEAR-ENC-Z1EC-L13-220725-L **Batch#:** 293736 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/25/22 **Analysis:** EPA 6010B
Lab ID: 466211-005 **Received:** 07/25/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/26/22
Diln Fac: 1.000 **Analyzed:** 07/27/22

466211-005 Analyte	Result	RL	Units
Lead	**340**	1.0	ug/ft2

Field ID: CLEAR-DOOR-N-0.1GW-INT-17 TO 18-220725-L-CB **Batch#:** 293736 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/25/22 **Analysis:** EPA 6010B
Lab ID: 466211-007 **Received:** 07/25/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/26/22
Diln Fac: 1.000 **Analyzed:** 07/27/22

466211-007 Analyte	Result	RL	Units
Lead	**56**	1.0	ug/ft2

Field ID: CLEAR-SCAF-Z1EC-L7-220725-L **Batch#:** 293736 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/25/22 **Analysis:** EPA 6010B
Lab ID: 466211-009 **Received:** 07/25/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/26/22
Diln Fac: 1.000 **Analyzed:** 07/27/22

466211-009 Analyte	Result	RL	Units
Lead	**260**	1.0	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 466211 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z1EC-L7-220725-L **Batch#:** 293736 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/25/22 **Analysis:** EPA 6010B
Lab ID: 466211-011 **Received:** 07/25/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/26/22
Diln Fac: 1.000 **Analyzed:** 07/27/22

466211-011 Analyte	Result	RL	Units
Lead	**3.4**	1.0	ug/ft2

Field ID: CLEAR-DOOR-N-0.2GW-PS-17-220725-L-LA **Batch#:** 293736 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/25/22 **Analysis:** EPA 6010B
Lab ID: 466211-013 **Received:** 07/25/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/26/22
Diln Fac: 1.000 **Analyzed:** 07/27/22

466211-013 Analyte	Result	RL	Units
Lead	**90**	0.97	ug/ft2

Field ID: CLEAR-SCAF-Z1EC-L6-220725-L **Batch#:** 293736 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/25/22 **Analysis:** EPA 6010B
Lab ID: 466211-015 **Received:** 07/25/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/26/22
Diln Fac: 1.000 **Analyzed:** 07/27/22

466211-015 Analyte	Result	RL	Units
Lead	**150**	1.0	ug/ft2

Field ID: CLEAR-ENC-Z1EC-L6-220725-L **Batch#:** 293736 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/25/22 **Analysis:** EPA 6010B
Lab ID: 466211-017 **Received:** 07/25/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/26/22
Diln Fac: 1.000 **Analyzed:** 07/27/22

466211-017 Analyte	Result	RL	Units
Lead	**95**	1.0	ug/ft2

Type: BLANK **Batch#:** 293736 **Analysis:** EPA 6010B
Lab ID: QC1002728 **Prepared:** 07/26/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 07/27/22
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1002728 Analyte	Result	RL	Units
Lead	ND	1.0	ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 466211 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 293736 **Analysis:** EPA 6010B

Lab ID: QC1002729 **Prepared:** 07/26/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 07/27/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1002729 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	103.2	103	80-120	ug/ft2

Type: BSD **Batch#:** 293736 **Analysis:** EPA 6010B

Lab ID: QC1002730 **Prepared:** 07/26/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 07/27/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1002730 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	103.8	104	80-120	ug/ft2	1	20

Legend

RPD: Relative Percent Difference

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

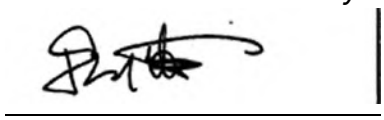
Lab Job Number: 467437
Report Level: II
Report Date: 08/19/2022

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	467437
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	08/16/22

Sample ID	Lab ID	Collected	Matrix
CLEAR-DOOR-N-0.1GW-DG-13 TO 27-220815-P-LA	467437-001	08/15/22 13:52	Wipe
CLEAR-DOOR-N-0.1GW-DG-13 TO 27-220815-L-LA	467437-002	08/15/22 13:52	Wipe
CLEAR-SCAF-Z1ED-L28-220815-P	467437-003	08/15/22 14:00	Wipe
CLEAR-SCAF-Z1ED-L28-220815-L	467437-004	08/15/22 14:00	Wipe
CLEAR-SCAF-Z1ED-L28-220815-L-DUP	467437-005	08/15/22 14:00	Wipe
CLEAR-ENC-Z1ED-L28-220815-P	467437-006	08/15/22 14:10	Wipe
CLEAR-ENC-Z1ED-L28-220815-L	467437-007	08/15/22 14:10	Wipe
CLEAR-DOOR-N-0.3GW-DG-11 TO 25-220815-P-LA	467437-008	08/15/22 14:48	Wipe
CLEAR-DOOR-N-0.3GW-DG-11 TO 25-220815-P-DUP-LA	467437-009	08/15/22 14:48	Wipe
CLEAR-DOOR-N-0.3GW-DG-11 TO 25-220815-L-LA	467437-010	08/15/22 14:48	Wipe
CLEAR-SCAF-Z1ED-L26-220815-P	467437-011	08/15/22 15:00	Wipe
CLEAR-SCAF-Z1ED-L26-220815-L	467437-012	08/15/22 15:00	Wipe
CLEAR-ENC-Z1ED-L26-220815-P	467437-013	08/15/22 15:15	Wipe
CLEAR-ENC-Z1ED-L26-220815-L	467437-014	08/15/22 15:15	Wipe
CLEAR-MEDBLANK-220815-P	467437-015	08/15/22 13:50	Wipe
CLEAR-MEDBLANK-220815-L	467437-016	08/15/22 13:50	Wipe

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 467437 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 08/16/22

This data package contains sample and QC results for sixteen wipe samples, requested for the above referenced project on 08/16/22. The samples were received cold and intact.

PCBs (EPA 8082):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

467437

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 4

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	Tyler Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
1	CLEAR-DOOR-N-0.1GW-DG-13 TO 27-220815-P-LA	8/15/2022	1352	WP	1		X		
2	CLEAR-DOOR-N-0.1GW-DG-13 TO 27-220815-L-LA	8/15/2022	1352	WP	1			X	
3	CLEAR-SCAF-Z1ED-L28-220815-P	8/15/2022	1400	WP	1		X		
4	CLEAR-SCAF-Z1ED-L28-220815-L	8/15/2022	1400	WP	1			X	
5	CLEAR-SCAF-Z1ED-L28-220815-L-DUP	8/15/2022	1400	WP	1			X	
6	CLEAR-ENC-Z1ED-L28-220815-P	8/15/2022	1410	WP	1		X		
7	CLEAR-ENC-Z1ED-L28-220815-L	8/15/2022	1410	WP	1			X	
8	~~CLEAR-DOOR-N-0.7GW-EX1-11 TO 12-2208 -P-CB~~	~~8/15/2022~~		WP	1		X		
9	~~CLEAR-DOOR-N-0.7GW-EX1-11 TO 12-2208 -L-CB~~	~~8/15/2022~~		WP	1			X	
10	~~CLEAR-SCAF-Z1ED-L27-220815-P~~	~~8/15/2022~~		WP	1		X		
11	~~CLEAR-SCAF-Z1ED-L27-220815-L~~	~~8/15/2022~~		WP	1			X	
12	~~CLEAR-ENC-Z1ED-L27-220815-P~~	~~8/15/2022~~		WP	1		X		
13	~~CLEAR-ENC-Z1ED-L27-220815-L~~	~~8/15/2022~~		WP	1			X	
14	CLEAR-DOOR-N-0.3GW-DG-11 TO 25-220815-P-LA	8/15/2022	1448	WP	1		X		
15	CLEAR-DOOR-N-0.3GW-DG-11 TO 25-220815-P-DUP-LA	8/15/2022	1448	WP	1		X		

Analysis Request

Test Instructions / Comments

Clearance Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure D

2x Rivet Type 1 = 0.0276 ft² added area

TS

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	TSinnott	Tyler Sinnott	Rincon / Envi. Scientist	8/15/22 / 1616
1 Received By:		NV CLS	EA	8-16-22 0900
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

467437

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 2 of 4

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	Tyler Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
16	CLEAR-DOOR-N-0.3GW-DG-11 TO 25-220815-L-LA	8/15/2022	1448	WP	1			X		**Clearance Wipe Samples - Level II Report/Stage 2A Validation** Report PCB concentrations on a µg/100cm² basis Report lead concentrations on a µg/ft² basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 1 Enclosure D
17	CLEAR-SCAF-Z1ED-L26-220815-P	8/15/2022	1500	WP	1		X			
18	CLEAR-SCAF-Z1ED-L26-220815-L	8/15/2022	1500	WP	1			X		
19	CLEAR-ENC-Z1ED-L26-220815-P	8/15/2022	1515	WP	1		X			
20	CLEAR-ENC-Z1ED-L26-220815 -L	8/15/2022	1515	WP	1			X		
21	~~CLEAR-DOOR-N-0.8GE-EXT-10 TO 11-220815-P-CB~~	~~8/15/2022~~		~~WP~~	~~1~~		X			TS
22	CLEAR-DOOR-N-0.8GE-EXT-10 TO 11-220815-L-CB	8/15/2022		WP	1			X		TS
23	~~CLEAR-SCAF-Z1ED-L25-220815-P~~	~~8/15/2022~~		~~WP~~	~~1~~		X			TS
24	~~CLEAR-SCAF-Z1ED-L25-220815-L~~	~~8/15/2022~~		~~WP~~	~~1~~			X		TS
25	~~CLEAR-ENC-Z1ED-L25-220815-P~~	~~8/15/2022~~		~~WP~~	~~1~~		X			TS
26	~~CLEAR-ENC-Z1ED-L25-220815-L~~	~~8/15/2022~~		~~WP~~	~~1~~			X		TS
27	~~CLEAR-DOOR-N-0.8GW-DG-10 TO 24-220815-P-G~~	~~8/15/2022~~		~~WP~~	~~1~~		X			TS
28	~~CLEAR-DOOR-N-0.8GW-DG-10 TO 24-220815-L-G~~	~~8/15/2022~~		~~WP~~	~~1~~			X		TS
29	~~CLEAR-SCAF-Z1ED-L24-220815-P~~	~~8/15/2022~~		~~WP~~	~~1~~		X			TS
30	~~CLEAR-SCAF-Z1ED-L24-220815-L~~	~~8/15/2022~~		~~WP~~	~~1~~			X		TS

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Tyler Sinnott	Rincon / Envi. Scientist	8/15/22 / 1616
[1] Received By:		Mckd	EA	8-16-22 0808
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

467437

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 3 of 4

Turn Around Time (rush by advanced notice only)					
Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	Tyler Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
31	~~CLEAR-ENC-Z1ED-L24-220815-P~~	8/15/2022		WP	1		X			TS
32	~~CLEAR-ENC-Z1ED-L24-220815-L~~	8/15/2022		WP	1			X		TS
33	~~CLEAR-DOOR-N-0.7GW-DG-9 TO 22-220815-P-LA~~	8/15/2022		WP	1		X			TS
34	~~CLEAR-DOOR-N-0.7GW-DG-9 TO 22-220815-L-LA~~	8/15/2022		WP	1			X		TS
35	~~CLEAR-SCAF-Z1ED-L22-220815-P~~	8/15/2022		WP	1		X			TS
36	~~CLEAR-SCAF-Z1ED-L22-220815-L~~	8/15/2022		WP	1			X		TS
37	~~CLEAR-ENC-Z1ED-L22-220815-P~~	8/15/2022		WP	1		X			TS
38	~~CLEAR-ENC-Z1ED-L22-220815-L~~	8/15/2022		WP	1			X		TS
39	~~CLEAR-DOOR-N-0.8GE-PS-22-220815-P-G~~	8/15/2022		WP	1		X			TS
40	~~CLEAR-DOOR-N-0.8GE-PS-22-220815-L-G~~	8/15/2022		WP	1			X		TS
41	~~CLEAR-SCAF-Z1ED-L20-220815-P~~	8/15/2022		WP	1		X			TS
42	~~CLEAR-SCAF-Z1ED-L20-220815-L~~	8/15/2022		WP	1			X		TS
43	~~CLEAR-ENC-Z1ED-L20-220815-P~~	8/15/2022		WP	1		X			TS
44	~~CLEAR-ENC-Z1ED-L20-220815-L~~	8/15/2022		WP	1			X		TS
45	CLEAR-MEDBLANK-220815-P	8/15/2022	1350	WP	1		X			

Analysis Request

Test Instructions / Comments

Clearance Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure D

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	TSinnott	Tyler Sinnott	Rincon / Envi. Scientist	8/15/22 / 1616
[1] Received By:		N/A	EA	8-16-22 0908
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

467437

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID:

Page: 4 of 4

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical -
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	Tyler Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B								HOLD	Test Instructions / Comments
31	CLEAR-MEDBLANK-220815-L	8/15/2022	1350	WP	1			X									Clearance Wipe Samples - Level II Report/Stage 2A Validation Report PCB concentrations on a µg/100cm² basis Report lead concentrations on a µg/ft² basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 1 Enclosure D
32																	
33																	
34																	
35																	
36																	
37																	
38																	
39																	
40																	
41																	
42																	
43																	
44																	
45																	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Tyler Sinnott	Rincon / Envi. Scientist	8/15/22 / 1616
[1] Received By:				8-16-22 0804
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 NTCRA

Date Received: 8/16/22 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.6 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.8 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✔
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 8-16-22

ORIGIN ID:NAXA (808) 234-7770
AECOS, INC
AECOS, INC
45-939 KAMEHAMEHA HIGHWAY, #104

KANEOHE, HI 96744
UNITED STATES US

SHIP DATE: 15AUG22
ACTWGT: 9.00 LB
CAD: 3872316/INET4490
DIMS: 13x9x13 IN

BILL SENDER

TO **RICHARD VILLAFANIA**
ENTHALPY ANALYTICAL, INC
931 W. BARKLEY AVE

ORANGE CA 92868
(714) 771-6900
INV:
PO:

REF: [4590/4] SLUDGE SAMPLES
DEPT:

581J2/F39D/FE2D

FedEx Express

TUE - 16 AUG 10:30A
PRIORITY OVERNIGHT

TRK# 7776 6625 4050
0201

92868
SNA
CA-US

WZ APVA

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

5/6/18

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467437 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-DOOR-N-0.1GW-DG-13 TO 27-220815-P-LA **Batch#:** 295181 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/15/22 **Analysis:** EPA 8082

Lab ID: 467437-001 **Received:** 08/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/17/22

Diln Fac: 1.000 **Analyzed:** 08/17/22

467437-001 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467437-001 Surrogate	%REC	Limits
TCMX (PCB)	81	52-186
Decachlorobiphenyl (PCB)	70	50-150

Field ID: CLEAR-SCAF-Z1ED-L28-220815-P **Batch#:** 295181 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/15/22 **Analysis:** EPA 8082

Lab ID: 467437-003 **Received:** 08/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/17/22

Diln Fac: 1.000 **Analyzed:** 08/17/22

467437-003 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467437-003 Surrogate	%REC	Limits
TCMX (PCB)	79	52-186
Decachlorobiphenyl (PCB)	69	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467437 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z1ED-L28-220815-P **Batch#:** 295181 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/15/22 **Analysis:** EPA 8082

Lab ID: 467437-006 **Received:** 08/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/17/22

Diln Fac: 1.000 **Analyzed:** 08/17/22

467437-006 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467437-006 Surrogate	%REC	Limits
TCMX (PCB)	85	52-186
Decachlorobiphenyl (PCB)	81	50-150

Field ID: CLEAR-DOOR-N-0.3GW-DG-11 TO 25-220815-P-LA **Batch#:** 295181 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/15/22 **Analysis:** EPA 8082

Lab ID: 467437-008 **Received:** 08/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/17/22

Diln Fac: 1.000 **Analyzed:** 08/17/22

467437-008 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467437-008 Surrogate	%REC	Limits
TCMX (PCB)	76	52-186
Decachlorobiphenyl (PCB)	66	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467437 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-DOOR-N-0.3GW-DG-11 TO 25-220815-P-DUP-LA **Batch#:** 295181 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/15/22 **Analysis:** EPA 8082

Lab ID: 467437-009 **Received:** 08/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/17/22

Diln Fac: 1.000 **Analyzed:** 08/17/22

467437-009 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467437-009 Surrogate	%REC	Limits
TCMX (PCB)	77	52-186
Decachlorobiphenyl (PCB)	65	50-150

Field ID: CLEAR-SCAF-Z1ED-L26-220815-P **Batch#:** 295181 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/15/22 **Analysis:** EPA 8082

Lab ID: 467437-011 **Received:** 08/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/17/22

Diln Fac: 1.000 **Analyzed:** 08/17/22

467437-011 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467437-011 Surrogate	%REC	Limits
TCMX (PCB)	83	52-186
Decachlorobiphenyl (PCB)	87	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467437 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z1ED-L26-220815-P **Batch#:** 295181 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/15/22 **Analysis:** EPA 8082

Lab ID: 467437-013 **Received:** 08/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/17/22

Diln Fac: 1.000 **Analyzed:** 08/17/22

467437-013 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467437-013 Surrogate	%REC	Limits
TCMX (PCB)	85	52-186
Decachlorobiphenyl (PCB)	102	50-150

Field ID: CLEAR-MEDBLANK-220815-P **Batch#:** 295181 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/15/22 **Analysis:** EPA 8082

Lab ID: 467437-015 **Received:** 08/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/17/22

Diln Fac: 1.000 **Analyzed:** 08/17/22

467437-015 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467437-015 Surrogate	%REC	Limits
TCMX (PCB)	81	52-186
Decachlorobiphenyl (PCB)	97	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467437 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 295181 **Analysis:** EPA 8082

Lab ID: QC1007019 **Prepared:** 08/17/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/17/22

DilnFac: 1.000 **Prep:** EPA 3580

QC1007019 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1007019 Surrogate	%REC	Limits
TCMX (PCB)	98	52-186
Decachlorobiphenyl (PCB)	81	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 467437 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 295181 **Analysis:** EPA 8082

Lab ID: QC1007020 **Prepared:** 08/17/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/17/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1007020 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	5.449	109	60-140	ug/100 cm2
Aroclor-1260	5.000	5.714	114	60-140	ug/100 cm2

QC1007020 Surrogate	%REC	Limits
TCMX (PCB)	100	52-186
Decachlorobiphenyl (PCB)	95	60-140

Type: BSD **Batch#:** 295181 **Analysis:** EPA 8082

Lab ID: QC1007021 **Prepared:** 08/17/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/17/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1007021 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	5.562	111	60-140	ug/100 cm2	2	20
Aroclor-1260	5.000	5.840	117	60-140	ug/100 cm2	2	20

QC1007021 Surrogate	%REC	Limits
TCMX (PCB)	104	52-186
Decachlorobiphenyl (PCB)	95	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Lead

Lab #: 467437 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-DOOR-N-0.1GW-DG-13 TO 27-220815-L-LA **Batch#:** 295128 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/15/22 **Analysis:** EPA 6010B
Lab ID: 467437-002 **Received:** 08/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/16/22
Dln Fac: 1.000 **Analyzed:** 08/17/22

467437-002 Analyte	Result	RL	Units
Lead	**130**	0.50	ug/ft2

Field ID: CLEAR-SCAF-Z1ED-L28-220815-L **Batch#:** 295128 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/15/22 **Analysis:** EPA 6010B
Lab ID: 467437-004 **Received:** 08/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/16/22
Dln Fac: 1.000 **Analyzed:** 08/17/22

467437-004 Analyte	Result	RL	Units
Lead	**97**	0.50	ug/ft2

Field ID: CLEAR-SCAF-Z1ED-L28-220815-L-DUP **Batch#:** 295128 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/15/22 **Analysis:** EPA 6010B
Lab ID: 467437-005 **Received:** 08/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/16/22
Dln Fac: 1.000 **Analyzed:** 08/17/22

467437-005 Analyte	Result	RL	Units
Lead	**60**	0.50	ug/ft2

Field ID: CLEAR-ENC-Z1EDL28220815-L **Batch#:** 295128 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/15/22 **Analysis:** EPA 6010B
Lab ID: 467437-007 **Received:** 08/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/16/22
Dln Fac: 1.000 **Analyzed:** 08/17/22

467437-007 Analyte	Result	RL	Units
Lead	**42**	0.50	ug/ft2

Field ID: CLEAR-DOOR-N-0.3GW-DG-11 TO 25-220815-L-LA **Batch#:** 295128 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/15/22 **Analysis:** EPA 6010B
Lab ID: 467437-010 **Received:** 08/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/16/22
Dln Fac: 1.000 **Analyzed:** 08/17/22

467437-010 Analyte	Result	RL	Units
Lead	**160**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 467437 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-SCAF-Z1ED-L26-220815-L **Batch#:** 295128 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/15/22 **Analysis:** EPA 6010B
Lab ID: 467437-012 **Received:** 08/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/16/22
Dln Fac: 1.000 **Analyzed:** 08/17/22

467437-012 Analyte	Result	RL	Units
Lead	**600**	0.50	ug/ft2

Field ID: CLEAR-ENC-Z1ED-L26-220815-L **Batch#:** 295128 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/15/22 **Analysis:** EPA 6010B
Lab ID: 467437-014 **Received:** 08/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/16/22
Dln Fac: 1.000 **Analyzed:** 08/17/22

467437-014 Analyte	Result	RL	Units
Lead	**85**	0.50	ug/ft2

Field ID: CLEAR-MEDBLANK-220815-L **Batch#:** 295128 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/15/22 **Analysis:** EPA 6010B
Lab ID: 467437-016 **Received:** 08/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/16/22
Dln Fac: 1.000 **Analyzed:** 08/17/22

467437-016 Analyte	Result	RL	Units
Lead	**1.2**	0.50	ug/ft2

Type: BLANK **Batch#:** 295128 **Analysis:** EPA 6010B
Lab ID: QC1006891 **Prepared:** 08/16/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 08/17/22
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1006891 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 467437 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 295128 **Analysis:** EPA 6010B

Lab ID: QC1006892 **Prepared:** 08/16/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 08/17/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1006892 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	100.2	100	80-120	ug/ft2

Type: BSD **Batch#:** 295128 **Analysis:** EPA 6010B

Lab ID: QC1006893 **Prepared:** 08/16/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 08/17/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1006893 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	102.5	103	80-120	ug/ft2	2	20

Legend

RPD: Relative Percent Difference

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

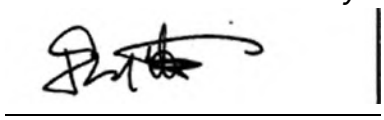
Lab Job Number: 467455
Report Level: II
Report Date: 08/19/2022

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	467455
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	08/16/22

Sample ID	Lab ID	Collected	Matrix
CLEAR-DOOR-N-0.8GW-DG-10 TO 24-220816-P-G	467455-001	08/16/22 07:34	Wipe
CLEAR-DOOR-N-0.8GW-DG-10 TO 24-220816-L-G	467455-002	08/16/22 07:34	Wipe
CLEAR-SCAF-Z1ED-L24-220816-P	467455-003	08/16/22 07:40	Wipe
CLEAR-SCAF-Z1ED-L24-220816-L	467455-004	08/16/22 07:40	Wipe
CLEAR-ENC-Z1ED-L24-220816-P	467455-005	08/16/22 07:45	Wipe
CLEAR-ENC-Z1ED-L24-220816-L	467455-006	08/16/22 07:45	Wipe
CLEAR-DOOR-N-0.7GW-DG-9 TO 22-220816-P-LA	467455-007	08/16/22 08:15	Wipe
CLEAR-DOOR-N-0.7GW-DG-9 TO 22-220816-L-LA	467455-008	08/16/22 08:15	Wipe
CLEAR-SCAF-Z1ED-L21-220816-P	467455-009	08/16/22 08:25	Wipe
CLEAR-SCAF-Z1ED-L21-220816-L	467455-010	08/16/22 08:25	Wipe
CLEAR-ENC-Z1ED-L21-220816-P	467455-011	08/16/22 08:35	Wipe
CLEAR-ENC-Z1ED-L21-220816-L	467455-012	08/16/22 08:35	Wipe
CLEAR-DOOR-N-0.8GE-PS-22-220816-P-G	467455-013	08/16/22 08:55	Wipe
CLEAR-DOOR-N-0.8GE-PS-22-220816-L-G	467455-014	08/16/22 08:55	Wipe
CLEAR-SCAF-Z1ED-L20-220816-P	467455-015	08/16/22 09:05	Wipe
CLEAR-SCAF-Z1ED-L20-220816-L	467455-016	08/16/22 09:05	Wipe
CLEAR-ENC-Z1ED-L20-220816-P	467455-017	08/16/22 09:15	Wipe
CLEAR-ENC-Z1ED-L20-220816-L	467455-018	08/16/22 09:15	Wipe

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 467455 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 08/16/22

This data package contains sample and QC results for eighteen wipe samples, requested for the above referenced project on 08/17/22. The samples were received cold and intact.

PCBs (EPA 8082):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

467455

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

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931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	T. Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	~~CLEAR-DOOR-N-0.7GW-EXT-11 TO 12-220816-P-CB~~	8/16/2022		WP	1		X			TS
2	~~CLEAR-DOOR-N-0.7GW-EXT-11 TO 12-220816-L-CB~~	8/16/2022		WP	1			X		TS
3	~~CLEAR-SCAF-Z1ED-L27-220816-P~~	8/16/2022		WP	1		X			TS
4	~~CLEAR-SCAF-Z1ED-L27-220816-L~~	8/16/2022		WP	1			X		TS
5	~~CLEAR-ENG-Z1ED-L27-220816-P~~	8/16/2022		WP	1		X			TS
6	~~CLEAR-ENG-Z1ED-L27-220816-L~~	8/16/2022		WP	1			X		TS
7	~~CLEAR-DOOR-N-0.8GE-EXT-10 TO 11-220816-P-CB~~	8/16/2022		WP	1		X			TS
8	~~CLEAR-DOOR-N-0.8GE-EXT-10 TO 11-220816-L-CB~~	8/16/2022		WP	1			X		TS
9	~~CLEAR-SCAF-Z1ED-L25-220816-P~~	8/16/2022		WP	1		X			TS
10	~~CLEAR-SCAF-Z1ED-L25-220816-L~~	8/16/2022		WP	1			X		TS
11	~~CLEAR-ENG-Z1ED-L25-220816-P~~	8/16/2022		WP	1		X			TS
12	~~CLEAR-ENG-Z1ED-L25-220816-L~~	8/16/2022		WP	1			X		TS
13	CLEAR-DOOR-N-0.8GW-DG-10 TO 24-220816-P-G	8/16/2022	0734	WP	1		X			
14	CLEAR-DOOR-N-0.8GW-DG-10 TO 24-220816-L-G	8/16/2022	0734	WP	1			X		6x Rivet Type 1 = 0.0828 ft² added area
15	CLEAR-SCAF-Z1ED-L24-220816-P	8/16/2022	0740	WP	1		X			

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michaela Kim	Rincon/Env. Scientist	8/16/22 @ 1238
1 Received By:		Company	BA	8/16/22 1238
2 Relinquished By:		Lisa Perry	FEA	8/16/22 13:50
2 Received By:		Lisa Perry	FEA	8/16/22 13:50
3 Relinquished By:		Mabcmillet	FOA	8/16/22 14:38
3 Received By:		FedEx	EA	8/17/22 0845

467455

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	T. Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
16	CLEAR-SCAF-Z1ED-L24-220816-L	8/16/2022	0740	WP	1			X	
17	CLEAR-ENC-Z1ED-L24-220816-P	8/16/2022	0745	WP	1		X		
18	CLEAR-ENC-Z1ED-L24-220816-L	8/16/2022	0745	WP	1			X	
19	CLEAR-DOOR-N-0.7GW-DG-9 TO 22-220816-P-LA	8/16/2022	0815	WP	1		X		
20	CLEAR-DOOR-N-0.7GW-DG-9 TO 22-220816-L-LA	8/16/2022	0815	WP	1			X	
21	CLEAR-SCAF-Z1ED-L22-220816-P	8/16/2022	0825	WP	1		X		
22	CLEAR-SCAF-Z1ED-L22-220816-L	8/16/2022	0825	WP	1			X	
23	CLEAR-ENC-Z1ED-L22-220816-P	8/16/2022	0835	WP	1		X		
24	CLEAR-ENC-Z1ED-L22-220816-L	8/16/2022	0835	WP	1			X	
25	CLEAR-DOOR-N-0.8GE-PS-22-220816-P-G	8/16/2022	0855	WP	1		X		
26	CLEAR-DOOR-N-0.8GE-PS-22-220816-L-G	8/16/2022	0855	WP	1			X	
27	CLEAR-SCAF-Z1ED-L20-220816-P	8/16/2022	0905	WP	1		X		
28	CLEAR-SCAF-Z1ED-L20-220816-L	8/16/2022	0905	WP	1			X	
29	CLEAR-ENC-Z1ED-L20-220816-P	8/16/2022	0915	WP	1		X		
30	CLEAR-ENC-Z1ED-L20-220816-L	8/16/2022	0915	WP	1			X	

Analysis Request

Test Instructions / Comments

Clearance Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure D

2x Rivet Type 1 = 0.0276 ft² added area

4x Rivet Type 1 = 0.0552 ft² added area

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michaela Kim	Rincon/Environmental Scientist	8/16/22 17:38
1 Received By:		Lisa Fong	EA	8/16/22 12:30
2 Relinquished By:		Lisa Fong	EA	8/16/22 13:50
2 Received By:		Lisa Fong	EA	8/16/22 13:50
3 Relinquished By:		Marcus Lee	EA	8/16/22 14:38
3 Received By:		Marcus Lee	EA	8/17/22 0845

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 467455 Client: Rincon

Date Received: 8/16/22 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? _____ ☐ No (**skip Section 3 below**)

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☑ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 8/16/22 By (print) MM (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☑ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: _____, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 8/16/22 **By (print)** MM **(sign)** _____

Date Labeled 8/16/22 **By (print)** MM **(sign)** _____

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: ERM Project: Merck Palo Alto

Date Received: 08/17/22 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 4.8 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: Greyhound

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.3 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✔
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?	✔		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?		✔	
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

See EA Berkeley's checklist for some issues on samples received.

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 8/17/22

1-3 14-8

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467455 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-DOOR-N-0.8GW-DG-10 TO 24-220816-P-G **Batch#:** 295181 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/16/22 **Analysis:** EPA 8082

Lab ID: 467455-001 **Received:** 08/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/17/22

DiIn Fac: 1.000 **Analyzed:** 08/17/22

467455-001 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467455-001 Surrogate	%REC	Limits
TCMX (PCB)	70	52-186
Decachlorobiphenyl (PCB)	66	50-150

Field ID: CLEAR-SCAF-Z1ED-L24-220816-P **Batch#:** 295181 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/16/22 **Analysis:** EPA 8082

Lab ID: 467455-003 **Received:** 08/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/17/22

DiIn Fac: 1.000 **Analyzed:** 08/18/22

467455-003 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467455-003 Surrogate	%REC	Limits
TCMX (PCB)	73	52-186
Decachlorobiphenyl (PCB)	63	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467455 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z1ED-L24-220816-P **Batch#:** 295181 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/16/22 **Analysis:** EPA 8082

Lab ID: 467455-005 **Received:** 08/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/17/22

Diln Fac: 1.000 **Analyzed:** 08/18/22

467455-005 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467455-005 Surrogate	%REC	Limits
TCMX (PCB)	68	52-186
Decachlorobiphenyl (PCB)	63	50-150

Field ID: CLEAR-DOOR-N-0.7GW-DG-9 TO 22-220816-P-LA **Batch#:** 295181 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/16/22 **Analysis:** EPA 8082

Lab ID: 467455-007 **Received:** 08/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/17/22

Diln Fac: 1.000 **Analyzed:** 08/18/22

467455-007 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467455-007 Surrogate	%REC	Limits
TCMX (PCB)	68	52-186
Decachlorobiphenyl (PCB)	65	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467455 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-SCAF-Z1ED-L21-220816-P **Batch#:** 295181 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/16/22 **Analysis:** EPA 8082

Lab ID: 467455-009 **Received:** 08/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/17/22

Diln Fac: 1.000 **Analyzed:** 08/18/22

467455-009 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467455-009 Surrogate	%REC	Limits
TCMX (PCB)	68	52-186
Decachlorobiphenyl (PCB)	63	50-150

Field ID: CLEAR-ENC-Z1ED-L21-220816-P **Batch#:** 295181 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/16/22 **Analysis:** EPA 8082

Lab ID: 467455-011 **Received:** 08/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/17/22

Diln Fac: 1.000 **Analyzed:** 08/18/22

467455-011 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467455-011 Surrogate	%REC	Limits
TCMX (PCB)	72	52-186
Decachlorobiphenyl (PCB)	72	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467455 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-DOOR-N-0.8GE-PS-22-220816-P-G **Batch#:** 295181 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/16/22 **Analysis:** EPA 8082

Lab ID: 467455-013 **Received:** 08/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/17/22

DiIn Fac: 1.000 **Analyzed:** 08/18/22

467455-013 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467455-013 Surrogate	%REC	Limits
TCMX (PCB)	65	52-186
Decachlorobiphenyl (PCB)	59	50-150

Field ID: CLEAR-SCAF-Z1ED-L20-220816-P **Batch#:** 295181 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/16/22 **Analysis:** EPA 8082

Lab ID: 467455-015 **Received:** 08/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/17/22

DiIn Fac: 1.000 **Analyzed:** 08/18/22

467455-015 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467455-015 Surrogate	%REC	Limits
TCMX (PCB)	74	52-186
Decachlorobiphenyl (PCB)	73	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467455 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z1ED-L20-220816-P **Batch#:** 295181 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/16/22 **Analysis:** EPA 8082

Lab ID: 467455-017 **Received:** 08/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/17/22

Diln Fac: 1.000 **Analyzed:** 08/18/22

467455-017 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467455-017 Surrogate	%REC	Limits
TCMX (PCB)	72	52-186
Decachlorobiphenyl (PCB)	66	50-150

Type: BLANK **Batch#:** 295181 **Analysis:** EPA 8082

Lab ID: QC1007019 **Prepared:** 08/17/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/17/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1007019 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1007019 Surrogate	%REC	Limits
TCMX (PCB)	98	52-186
Decachlorobiphenyl (PCB)	81	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 467455 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 295181 **Analysis:** EPA 8082

Lab ID: QC1007020 **Prepared:** 08/17/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/17/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1007020 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	5.449	109	60-140	ug/100 cm2
Aroclor-1260	5.000	5.714	114	60-140	ug/100 cm2

QC1007020 Surrogate	%REC	Limits
TCMX (PCB)	100	52-186
Decachlorobiphenyl (PCB)	95	60-140

Type: BSD **Batch#:** 295181 **Analysis:** EPA 8082

Lab ID: QC1007021 **Prepared:** 08/17/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 08/17/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1007021 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	5.562	111	60-140	ug/100 cm2	2	20
Aroclor-1260	5.000	5.840	117	60-140	ug/100 cm2	2	20

QC1007021 Surrogate	%REC	Limits
TCMX (PCB)	104	52-186
Decachlorobiphenyl (PCB)	95	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Lead

Lab #: 467455 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-DOOR-N-0.8GW-DG-10 TO 24-220816-L-G **Batch#:** 295185 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/16/22 **Analysis:** EPA 6010B
Lab ID: 467455-002 **Received:** 08/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/17/22
Diln Fac: 1.000 **Analyzed:** 08/17/22

467455-002 Analyte	Result	RL	Units
Lead	**26**	0.46	ug/ft2

Field ID: CLEAR-SCAF-Z1ED-L24-220816-L **Batch#:** 295185 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/16/22 **Analysis:** EPA 6010B
Lab ID: 467455-004 **Received:** 08/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/17/22
Diln Fac: 1.000 **Analyzed:** 08/17/22

467455-004 Analyte	Result	RL	Units
Lead	**200**	0.50	ug/ft2

Field ID: CLEAR-ENC-Z1ED-L24-220816-L **Batch#:** 295185 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/16/22 **Analysis:** EPA 6010B
Lab ID: 467455-006 **Received:** 08/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/17/22
Diln Fac: 1.000 **Analyzed:** 08/17/22

467455-006 Analyte	Result	RL	Units
Lead	**44**	0.50	ug/ft2

Field ID: CLEAR-DOOR-N-0.7GW-DG-9 TO 22-220816-L-LA **Batch#:** 295185 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/16/22 **Analysis:** EPA 6010B
Lab ID: 467455-008 **Received:** 08/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/17/22
Diln Fac: 1.000 **Analyzed:** 08/17/22

467455-008 Analyte	Result	RL	Units
Lead	**37**	0.49	ug/ft2

Field ID: CLEAR-SCAF-Z1ED-L21-220816-L **Batch#:** 295185 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/16/22 **Analysis:** EPA 6010B
Lab ID: 467455-010 **Received:** 08/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/17/22
Diln Fac: 1.000 **Analyzed:** 08/17/22

467455-010 Analyte	Result	RL	Units
Lead	**470**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 467455 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z1ED-L21-220816-P **Batch#:** 295185 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/16/22 **Analysis:** EPA 6010B
Lab ID: 467455-012 **Received:** 08/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/17/22
Diln Fac: 1.000 **Analyzed:** 08/17/22

467455-012 Analyte	Result	RL	Units
Lead	**52**	0.50	ug/ft2

Field ID: CLEAR-DOOR-N-0.8GE-PS-22-220816-L-G **Batch#:** 295185 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/16/22 **Analysis:** EPA 6010B
Lab ID: 467455-014 **Received:** 08/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/17/22
Diln Fac: 1.000 **Analyzed:** 08/17/22

467455-014 Analyte	Result	RL	Units
Lead	**130**	0.47	ug/ft2

Field ID: CLEAR-SCAF-Z1ED-L20-220816-L **Batch#:** 295185 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/16/22 **Analysis:** EPA 6010B
Lab ID: 467455-016 **Received:** 08/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/17/22
Diln Fac: 1.000 **Analyzed:** 08/17/22

467455-016 Analyte	Result	RL	Units
Lead	**270**	0.50	ug/ft2

Field ID: CLEAR-ENC-Z1ED-L20-220816-L **Batch#:** 295185 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/16/22 **Analysis:** EPA 6010B
Lab ID: 467455-018 **Received:** 08/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/17/22
Diln Fac: 1.000 **Analyzed:** 08/17/22

467455-018 Analyte	Result	RL	Units
Lead	**370**	0.50	ug/ft2

Type: BLANK **Batch#:** 295185 **Analysis:** EPA 6010B
Lab ID: QC1007033 **Prepared:** 08/17/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 08/17/22
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1007033 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 467455 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 295185 **Analysis:** EPA 6010B

Lab ID: QC1007034 **Prepared:** 08/17/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 08/17/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1007034 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	104.7	105	80-120	ug/ft2

Type: BSD **Batch#:** 295185 **Analysis:** EPA 6010B

Lab ID: QC1007035 **Prepared:** 08/17/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 08/17/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1007035 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	102.3	102	80-120	ug/ft2	2	20

Legend

RPD: Relative Percent Difference

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

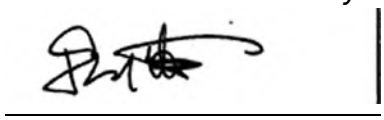
Lab Job Number:	467533
Report Level:	II
Report Date:	08/26/2022

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	467533
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	08/17/22

Sample ID	Lab ID	Collected	Matrix
CLEAR-DOOR-N-0.5GW-DG-7 TO 20-220817-P-LA	467533-001	08/17/22 09:24	Wipe
CLEAR-DOOR-N-0.5GW-DG-7 TO 20-220817-L-LA	467533-002	08/17/22 09:24	Wipe
CLEAR-DOOR-N-0.5GW-DG-7 TO 20-220817-L-DUP-LA	467533-003	08/17/22 09:24	Wipe
CLEAR-SCAF-Z1EB-L16-220817-P	467533-004	08/17/22 09:24	Wipe
CLEAR-SCAF-Z1EB-L16-220817-L	467533-005	08/17/22 09:24	Wipe
CLEAR-ENC-Z1EB-L16-220817-P	467533-006	08/17/22 09:24	Wipe
CLEAR-ENC-Z1EB-L16-220817-L	467533-007	08/17/22 09:24	Wipe
CLEAR-DOOR-N-0.9GE-PS-20-220817-P-G	467533-008	08/17/22 09:56	Wipe
CLEAR-DOOR-N-0.9GE-PS-20-220817-L-G	467533-009	08/17/22 09:56	Wipe
CLEAR-SCAF-Z1EB-L14-220817-P	467533-010	08/17/22 10:05	Wipe
CLEAR-SCAF-Z1EB-L14-220817-L	467533-011	08/17/22 10:05	Wipe
CLEAR-ENC-Z1EB-L14-220817-P	467533-012	08/17/22 10:15	Wipe
CLEAR-ENC-Z1EB-L14-220817-L	467533-013	08/17/22 10:15	Wipe
CLEAR-DOOR-N-0.8GW-EXT-5 TO 6-220817-P-CB	467533-014	08/17/22 10:28	Wipe
CLEAR-DOOR-N-0.8GW-EXT-5 TO 6-220817-L-CB	467533-015	08/17/22 10:28	Wipe
CLEAR-SCAF-Z1EB-L12-220817-P	467533-016	08/17/22 10:35	Wipe
CLEAR-SCAF-Z1EB-L12-220817-L	467533-017	08/17/22 10:35	Wipe
CLEAR-ENC-Z1EB-L12-220817-P	467533-018	08/17/22 10:45	Wipe
CLEAR-ENC-Z1EB-L12-220817-L	467533-019	08/17/22 10:45	Wipe

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	467533
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	08/17/22

Sample ID	Lab ID	Collected	Matrix
CLEAR-MEDBLANK-220817-P	467533-020	08/17/22 09:07	Wipe
CLEAR-MEDBLANK-220817-L	467533-021	08/17/22 09:07	Wipe
CLEAR-SCAF-Z1EB-L14-220817-P-DUP	467533-022	08/17/22 10:05	Wipe

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 467533 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 08/17/22

This data package contains sample and QC results for twenty two wipe samples, requested for the above referenced project on 08/18/22. The samples were received cold and intact.

PCBs (EPA 8082):

- Low surrogate recoveries were observed for TCMX (PCB) in CLEAR-SCAF-Z1EB-L12-220817-P (lab # 467533-016), CLEAR-MEDBLANK-220817-P (lab # 467533-020), and CLEAR-SCAF-Z1EB-L14-220817-P-DUP (lab # 467533-022).
- No other analytical problems were encountered.

Metals (EPA 6010B):

- An interference check standard recovered slightly high for lead in the presence of high concentrations of aluminum. The bias is insignificant compared to the lead results in the samples and the aluminum interferent is not present in the samples at any significant quantities. Results are flagged "b", but there is no effect on the data quality.
- No analytical problems were encountered.

467533

JG

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 3

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim & T. Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	~~CLEAR-DOOR-N-0.9GW-PS-21-220817-P-G~~	~~8/17/2022~~		WP	1		X			**Clearance Wipe Samples - Level II Report/Stage 2A Validation**
2	~~CLEAR-DOOR-N-0.9GW-PS-21-220817-L-G~~	~~8/17/2022~~		WP	1			X		Report PCB concentrations on a µg/100cm² basis
3	~~CLEAR-SCAF-Z1EB-L17-220817-P~~	~~8/17/2022~~		WP	1		X			Report lead concentrations on a µg/ft² basis
4	~~CLEAR-SCAF-Z1EB-L17-220817-L~~	~~8/17/2022~~		WP	1			X		Report Aroclor 1268 concentrations in addition to the standard Aroclors
5	~~CLEAR-ENC-Z1EB-L17-220817-P~~	~~8/17/2022~~		WP	1		X			
6	CLEAR-ENC-Z1EB-L17-220817-L	8/17/2022		WP	1			X		Wipe samples collected from Zone 1 Enclosure B
7	CLEAR-DOOR-N-0.5GW-DG-7 TO 20-220817-P-LA	8/17/2022	0924	WP	1		X			
8	CLEAR-DOOR-N-0.5GW-DG-7 TO 20-220817-L-LA	8/17/2022	0924	WP	1			X		2x Rivet Type 1 = 0.0276 ft² added area
9	CLEAR-DOOR-N-0.5GW-DG-7 TO 20-220817-L-DUP-LA	8/17/2022	0924	WP	1			X		2x Rivet Type 1 = 0.0276 ft² added area
10	CLEAR-SCAF-Z1EB-L16-220817-P	8/17/2022	0924	WP	1		X			
11	CLEAR-SCAF-Z1EB-L16-220817-L	8/17/2022	0924	WP	1			X		
12	CLEAR-ENC-Z1EB-L16-220817-P	8/17/2022	0924	WP	1		X			
13	CLEAR-ENC-Z1EB-L16-220817-L	8/17/2022	0924	WP	1			X		
14	~~CLEAR-DOOR-N-0.8GE-INT-20 TO 21-220817-P-CB~~	~~8/17/2022~~		WP	1		X			
15	~~CLEAR-DOOR-N-0.8GE-INT-20 TO 21-220817-L-CB~~	~~8/17/2022~~		WP	1			X		

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Donald Welsh	Rincon Consultants, Inc.	8/17/22 12:35
[1] Received By:		Lisa Fay	EA	8/17/22 12:35
[2] Relinquished By:		Lisa Fay	EA	8/17/22 14:32
[2] Received By:		Lisa Fay	EA	8/17/22 14:32
[3] Relinquished By:		Lisa Fay	EA	8/17/22 15:55
[3] Received By:				8/18/22 08:32

467533

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 2 of 3

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim & T. Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	
16	~~CLEAR-SCAF-Z1EB-L15-220817-P~~	~~8/17/2022~~		WP	1		X			MK
17	~~CLEAR-SCAF-Z1EB-L15-220817-L~~	~~8/17/2022~~		WP	1			X		MK
18	~~CLEAR-ENC-Z1EB-L15-220817-P~~	~~8/17/2022~~		WP	1		X			MK
19	~~CLEAR-ENC-Z1EB-L15-220817-P-DUP~~	~~8/17/2022~~		WP	1		X			MK
20	~~CLEAR-ENC-Z1EB-L15-220817-L~~	~~8/17/2022~~		WP	1			X		MK
21	CLEAR-DOOR-N-0.9GE-PS-20-220817-P-G	8/17/2022	0956	WP	1		X			
22	CLEAR-DOOR-N-0.9GE-PS-20-220817-L-G	8/17/2022	0956	WP	1			X		
23	CLEAR-SCAF-Z1EB-L14-220817-P	8/17/2022	1005	WP	1		X			
24	CLEAR-SCAF-Z1EB-L14-220817-L	8/17/2022	1005	WP	1			X		
25	CLEAR-ENC-Z1EB-L14-220817-P	8/17/2022	1015	WP	1		X			
26	CLEAR-ENC-Z1EB-L14-220817-L	8/17/2022	1015	WP	1			X		
27	CLEAR-DOOR-N-0.8GW-EXT-5 TO 6-220817-P-CB	8/17/2022	1029	WP	1		X			
28	CLEAR-DOOR-N-0.8GW-EXT-5 TO 6-220817-L-CB	8/17/2022	1029	WP	1			X		
29	CLEAR-SCAF-Z1EB-L12-220817-P	8/17/2022	1035	WP	1		X			
30	CLEAR-SCAF-Z1EB-L12-220817-L	8/17/2022	1035	WP	1			X		

Test Instructions / Comments

Clearance Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure B

6x Rivet Type 1: 0.0828 ft² added area

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Donald Welsh	Rincon Consultants, Inc.	8/17/22 12:35
1 Received By:		Lisa Fong	EA	8/17/22 14:32
2 Relinquished By:		Lisa Fong	EA	8/17/22 14:32
2 Received By:		Lisa Fong	EA	8/17/22 15:55
3 Relinquished By:			EA	8/18/22 08:30
3 Received By:				

467537

ENTHALPY ANALYTICAL

Chain of Custody Record — COC ID:

Page: 3 of 3

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim & T. Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
31	CLEAR-ENC-Z1EB-L12-220817-P	8/17/2022	1045	WP	1		X		
32	CLEAR-ENC-Z1EB-L12-220817-L	8/17/2022	1045	WP	1			X	
33	CLEAR-MEDBLANK-220817-P	8/17/2022	0907	WP	1		X		
34	CLEAR-MEDBLANK-220817-L	8/17/2022	0907	WP	1			X	
35	CLEAR-SCAF-Z1EB-L14-220817-P-DUP	8/17/22	1005	WP	1		X		
36									
37									
38									
39									
40									
41									
42									
43									
44									
45									

Test Instructions / Comments

Clearance Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure B

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Donald Welsh	Rincon Consultants, Inc.	8/17/22 12:35
[1] Received By:		Lisa Fong	EA	8/17/22 12:35
[2] Relinquished By:		Lisa Fong	EA	8/17/22 14:32
[2] Received By:		Lisa Fong	EA	8/17/22 14:32
(relinquished)		Lisa Fong	EA	8/17/22 15:55
				8/18/2022 08:30

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 467553 Client: Roncor

Date Received: 8/17/22 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☑ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 8/17/22 By (print) LEP (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☑ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: _____, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 8/17/22 **By (print)** _____ **(sign)** _____

Date Labeled 8/17/22 **By (print)** LEP **(sign)** _____

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants, Inc. Project: Hangar 1 - NCTRA WP / 158 Cody Road Mountain View, CA

Date Received: 8/18/2022 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.4 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: Greyhound

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☑ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 2.2 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Lynnita Date: 8/18/2022

@ 08-30mm

C/2.2

S/3.4

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467533 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-DOOR-N-0.5GW-DG-7 TO 20-220817-P-LA **Batch#:** 295440 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/17/22 **Analysis:** EPA 8082

Lab ID: 467533-001 **Received:** 08/17/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 08/22/22

DiIn Fac: 1.000 **Analyzed:** 08/23/22

467533-001 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467533-001 Surrogate	%REC	Limits
TCMX (PCB)	87	52-186
Decachlorobiphenyl (PCB)	97	50-150

Field ID: CLEAR-SCAF-Z1EB-L16-220817-P **Batch#:** 295440 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/17/22 **Analysis:** EPA 8082

Lab ID: 467533-004 **Received:** 08/17/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 08/22/22

DiIn Fac: 1.000 **Analyzed:** 08/23/22

467533-004 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467533-004 Surrogate	%REC	Limits
TCMX (PCB)	82	52-186
Decachlorobiphenyl (PCB)	91	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467533 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z1EB-L16-220817-P **Batch#:** 295440 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/17/22 **Analysis:** EPA 8082

Lab ID: 467533-006 **Received:** 08/17/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 08/22/22

Diln Fac: 1.000 **Analyzed:** 08/23/22

467533-006 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467533-006 Surrogate	%REC	Limits
TCMX (PCB)	87	52-186
Decachlorobiphenyl (PCB)	94	50-150

Field ID: CLEAR-DOOR-N-0.9GE-PS-20-220817-P-G **Batch#:** 295440 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/17/22 **Analysis:** EPA 8082

Lab ID: 467533-008 **Received:** 08/17/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 08/22/22

Diln Fac: 1.000 **Analyzed:** 08/23/22

467533-008 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467533-008 Surrogate	%REC	Limits
TCMX (PCB)	87	52-186
Decachlorobiphenyl (PCB)	112	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467533 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-SCAF-Z1EB-L14-220817-P **Batch#:** 295440 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/17/22 **Analysis:** EPA 8082

Lab ID: 467533-010 **Received:** 08/17/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 08/22/22

Diln Fac: 1.000 **Analyzed:** 08/23/22

467533-010 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467533-010 Surrogate	%REC	Limits
TCMX (PCB)	93	52-186
Decachlorobiphenyl (PCB)	104	50-150

Field ID: CLEAR-ENC-Z1EB-L14-220817-P **Batch#:** 295440 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/17/22 **Analysis:** EPA 8082

Lab ID: 467533-012 **Received:** 08/17/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 08/22/22

Diln Fac: 1.000 **Analyzed:** 08/23/22

467533-012 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467533-012 Surrogate	%REC	Limits
TCMX (PCB)	96	52-186
Decachlorobiphenyl (PCB)	96	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467533 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-DOOR-N-0.8GW-EXT-5 TO 6-220817-P-CB **Batch#:** 295440 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/17/22 **Analysis:** EPA 8082

Lab ID: 467533-014 **Received:** 08/17/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 08/22/22

DiIn Fac: 1.000 **Analyzed:** 08/23/22

467533-014 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467533-014 Surrogate	%REC	Limits
TCMX (PCB)	94	52-186
Decachlorobiphenyl (PCB)	112	50-150

Field ID: CLEAR-SCAF-Z1EB-L12-220817-P **Batch#:** 295440 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/17/22 **Analysis:** EPA 8082

Lab ID: 467533-016 **Received:** 08/17/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/22/22

DiIn Fac: 1.000 **Analyzed:** 08/25/22

467533-016 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467533-016 Surrogate	%REC	Limits
TCMX (PCB)	47 *	52-186
Decachlorobiphenyl (PCB)	65	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467533 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z1EB-L12-220817-P **Batch#:** 295440 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/17/22 **Analysis:** EPA 8082

Lab ID: 467533-018 **Received:** 08/17/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/22/22

Diln Fac: 1.000 **Analyzed:** 08/25/22

467533-018 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467533-018 Surrogate	%REC	Limits
TCMX (PCB)	55	52-186
Decachlorobiphenyl (PCB)	78	50-150

Field ID: CLEAR-MEDBLANK-220817-P **Batch#:** 295440 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/17/22 **Analysis:** EPA 8082

Lab ID: 467533-020 **Received:** 08/17/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/22/22

Diln Fac: 1.000 **Analyzed:** 08/25/22

467533-020 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467533-020 Surrogate	%REC	Limits
TCMX (PCB)	43 *	52-186
Decachlorobiphenyl (PCB)	65	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467533 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-SCAF-Z1EB-L14-220817-P-DUP **Batch#:** 295440 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/17/22 **Analysis:** EPA 8082

Lab ID: 467533-022 **Received:** 08/17/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/22/22

Dil n Fac: 1.000 **Analyzed:** 08/25/22

467533-022 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467533-022 Surrogate	%REC	Limits
TCMX (PCB)	51 *	52-186
Decachlorobiphenyl (PCB)	61	50-150

Type: BLANK **Batch#:** 295440 **Analysis:** EPA 8082

Lab ID: QC1007909 **Prepared:** 08/22/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 08/23/22

Dil n Fac: 1.000 **Prep:** EPA 3580

QC1007909 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1007909 Surrogate	%REC	Limits
TCMX (PCB)	78	52-186
Decachlorobiphenyl (PCB)	89	60-140

Legend

***:** Value is outside QC limits

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 467533 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 295440 **Analysis:** EPA 8082

Lab ID: QC1007910 **Prepared:** 08/22/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 08/23/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1007910 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.743	95	60-140	ug/100 cm2
Aroclor-1260	5.000	4.974	99	60-140	ug/100 cm2

QC1007910 Surrogate	%REC	Limits
TCMX (PCB)	79	52-186
Decachlorobiphenyl (PCB)	93	60-140

Type: BSD **Batch#:** 295440 **Analysis:** EPA 8082

Lab ID: QC1007911 **Prepared:** 08/22/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 08/23/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1007911 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.713	94	60-140	ug/100 cm2	1	20
Aroclor-1260	5.000	4.985	100	60-140	ug/100 cm2	0	20

QC1007911 Surrogate	%REC	Limits
TCMX (PCB)	76	52-186
Decachlorobiphenyl (PCB)	91	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Lead

Lab #: 467533 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-DOOR-N-0.5GW-DG-7 TO 20-220817-L-LA **Batch#:** 295289 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/17/22 **Analysis:** EPA 6010B
Lab ID: 467533-002 **Received:** 08/17/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/18/22
Diln Fac: 1.000 **Analyzed:** 08/19/22

467533-002 Analyte	Result	RL	Units	Qual
Lead	**21**	0.49	ug/ft2	b

Field ID: CLEAR-DOOR-N-0.5GW-DG-7 TO 20-220817-L-DUP-LA **Batch#:** 295289 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/17/22 **Analysis:** EPA 6010B
Lab ID: 467533-003 **Received:** 08/17/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/18/22
Diln Fac: 1.000 **Analyzed:** 08/19/22

467533-003 Analyte	Result	RL	Units	Qual
Lead	**22**	0.49	ug/ft2	b

Field ID: CLEAR-SCAF-Z1EB-L16-220817-L **Batch#:** 295289 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/17/22 **Analysis:** EPA 6010B
Lab ID: 467533-005 **Received:** 08/17/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/18/22
Diln Fac: 1.000 **Analyzed:** 08/19/22

467533-005 Analyte	Result	RL	Units	Qual
Lead	**60**	0.50	ug/ft2	b

Field ID: CLEAR-ENC-Z1EB-L16-220817-L **Batch#:** 295289 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/17/22 **Analysis:** EPA 6010B
Lab ID: 467533-007 **Received:** 08/17/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/18/22
Diln Fac: 1.000 **Analyzed:** 08/19/22

467533-007 Analyte	Result	RL	Units	Qual
Lead	**40**	0.50	ug/ft2	b

Field ID: CLEAR-DOOR-N-0.9GE-PS-20-220817-L-G **Batch#:** 295289 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/17/22 **Analysis:** EPA 6010B
Lab ID: 467533-009 **Received:** 08/17/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/18/22
Diln Fac: 1.000 **Analyzed:** 08/19/22

467533-009 Analyte	Result	RL	Units	Qual
Lead	**15**	0.46	ug/ft2	b

ENTHALPY ANALYTICAL

Lead

Lab #: 467533 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-SCAF-Z1EB-L14-220817-L **Batch#:** 295289 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/17/22 **Analysis:** EPA 6010B
Lab ID: 467533-011 **Received:** 08/17/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/18/22
Diln Fac: 1.000 **Analyzed:** 08/19/22

467533-011 Analyte	Result	RL	Units	Qual
Lead	**93**	0.50	ug/ft2	b

Field ID: CLEAR-ENC-Z1EB-L14-220817-L **Batch#:** 295289 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/17/22 **Analysis:** EPA 6010B
Lab ID: 467533-013 **Received:** 08/17/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/18/22
Diln Fac: 1.000 **Analyzed:** 08/19/22

467533-013 Analyte	Result	RL	Units	Qual
Lead	**20**	0.50	ug/ft2	b

Field ID: CLEAR-DOOR-N-0.8GW-EXT-5 TO 6-220817-L-CB **Batch#:** 295289 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/17/22 **Analysis:** EPA 6010B
Lab ID: 467533-015 **Received:** 08/17/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/18/22
Diln Fac: 1.000 **Analyzed:** 08/19/22

467533-015 Analyte	Result	RL	Units	Qual
Lead	**9.4**	0.50	ug/ft2	b

Field ID: CLEAR-SCAF-Z1EB-L12-220817-L **Batch#:** 295289 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/17/22 **Analysis:** EPA 6010B
Lab ID: 467533-017 **Received:** 08/17/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/18/22
Diln Fac: 1.000 **Analyzed:** 08/19/22

467533-017 Analyte	Result	RL	Units	Qual
Lead	**60**	0.50	ug/ft2	b

Field ID: CLEAR-ENC-Z1EB-L12-220817-L **Batch#:** 295289 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/17/22 **Analysis:** EPA 6010B
Lab ID: 467533-019 **Received:** 08/17/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/18/22
Diln Fac: 1.000 **Analyzed:** 08/19/22

467533-019 Analyte	Result	RL	Units	Qual
Lead	**39**	0.50	ug/ft2	b

ENTHALPY ANALYTICAL

Lead

Lab #: 467533 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-MEDBLANK-220817-L **Batch#:** 295289 **Prep:** EPA 3050B

Type: SAMPLE **Sampled:** 08/17/22 **Analysis:** EPA 6010B

Lab ID: 467533-021 **Received:** 08/17/22 **Analyst:** KLN

Matrix: Wipe **Prepared:** 08/18/22

Diln Fac: 1.000 **Analyzed:** 08/19/22

467533-021 Analyte	Result	RL	Units	Qual
Lead	**0.86**	0.50	ug/ft2	b

Type: BLANK **Batch#:** 295289 **Analysis:** EPA 6010B

Lab ID: QC1007362 **Prepared:** 08/18/22 **Analyst:** KLN

Matrix: Wipe **Analyzed:** 08/19/22

Diln Fac: 1.000 **Prep:** EPA 3050B

QC1007362 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

b: See narrative

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 467533 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 295289 **Analysis:** EPA 6010B

Lab ID: QC1007363 **Prepared:** 08/18/22 **Analyst:** KLN

Matrix: Wipe **Analyzed:** 08/19/22

Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1007363 Analyte	Spiked	Result	%REC	Limits	Units	Qual
Lead	100.0	105.4	105	80-120	ug/ft2	b

Type: BSD **Batch#:** 295289 **Analysis:** EPA 6010B

Lab ID: QC1007364 **Prepared:** 08/18/22 **Analyst:** KLN

Matrix: Wipe **Analyzed:** 08/19/22

Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1007364 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim	Qual
Lead	100.0	104.1	104	80-120	ug/ft2	1	20	b

Legend

RPD: Relative Percent Difference

b: See narrative

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

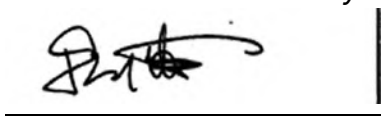
Lab Job Number:	467609
Report Level:	II
Report Date:	08/29/2022

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	467609
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	08/18/22

Sample ID	Lab ID	Collected	Matrix
CLEAR-DOOR-N-0.6GW-INT-17 TO 18-220818-P-CB	467609-001	08/18/22 09:05	Wipe
CLEAR-DOOR-N-0.6GW-INT-17 TO 18-220818-L-CB	467609-002	08/18/22 09:05	Wipe
CLEAR-SCAF-Z1EB-L7-220818-P	467609-003	08/18/22 09:15	Wipe
CLEAR-SCAF-Z1EB-L7-220818-L	467609-004	08/18/22 09:15	Wipe
CLEAR-ENC-Z1EB-L7-220818-P	467609-005	08/18/22 09:25	Wipe
CLEAR-ENC-Z1EB-L7-220818-L	467609-006	08/18/22 09:25	Wipe
CLEAR-DOOR-N-0.7GE-INT-16 TO 17-220818-P-CB	467609-007	08/18/22 09:35	Wipe
CLEAR-DOOR-N-0.7GE-INT-16 TO 17-220818-L-CB	467609-008	08/18/22 09:35	Wipe
CLEAR-SCAF-Z1EB-L4-220818-P	467609-009	08/18/22 09:40	Wipe
CLEAR-SCAF-Z1EB-L4-220818-L	467609-010	08/18/22 09:40	Wipe
CLEAR-ENC-Z1EB-L4-220818-P	467609-011	08/18/22 09:45	Wipe
CLEAR-ENC-Z1EB-L4-220818-L	467609-012	08/18/22 09:45	Wipe

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 467609 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 08/18/22

This data package contains sample and QC results for twelve wipe samples, requested for the above referenced project on 08/19/22. The samples were received cold and intact.

PCBs (EPA 8082):

- Low surrogate recoveries were observed for TCMX; the DCB recoveries were within limits and we believe the low TCMX recoveries were isolated to this standard solution.
- No other analytical problems were encountered.

Metals (EPA 6010B):

No analytical problems were encountered.

467609

ENTHALPY ANALYTICAL

Chain of Custody Record — COC ID:

Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim

Test Instructions / Comments

Clearance Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure B

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
1	CLEAR-DOOR-N-0.6GW-INT-17 TO 18-220818-P-CB	8/18/2022	0905	WP	1		X		
2	CLEAR-DOOR-N-0.6GW-INT-17 TO 18-220818-L-CB	8/18/2022	0905	WP	1			X	
3	CLEAR-SCAF-Z1EB-L7-220818-P	8/18/2022	0915	WP	1		X		
4	CLEAR-SCAF-Z1EB-L7-220818-L	8/18/2022	0915	WP	1			X	
5	CLEAR-ENC-Z1EB-L7-220818-P	8/18/2022	0925	WP	1		X		
6	CLEAR-ENC-Z1EB-L7-220818-L	8/18/2022	0925	WP	1			X	
7	~~CLEAR-DOOR-N-0.8GW-PS-17-220818-P-LA~~	~~8/18/2022~~		WP	1		~~X~~		
8	~~CLEAR-DOOR-N-0.8GW-PS-17-220818-L-LA~~	~~8/18/2022~~		WP	1			~~X~~	
9	~~CLEAR-SCAF-Z1EB-L6-220818-P~~	~~8/18/2022~~		WP	1		~~X~~		
10	~~CLEAR-SCAF-Z1EB-L6-220818-L~~	~~8/18/2022~~		WP	1			~~X~~	
11	~~CLEAR-ENC-Z1EB-L6-220818-P~~	~~8/18/2022~~		WP	1		~~X~~		
12	~~CLEAR-ENC-Z1EB-L6-220818-L~~	~~8/18/2022~~		WP	1			~~X~~	
13	CLEAR-DOOR-N-0.7GE-INT-16 TO 17-220818-P-CB	8/18/2022	0935	WP	1		X		
14	CLEAR-DOOR-N-0.7GE-INT-16 TO 17-220818-L-CB	8/18/2022	0935	WP	1			X	
15	CLEAR-SCAF-Z1EB-L4-220818-P	8/18/2022	0940	WP	1		X		

MK MK MK MK MK MK MK

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Donald Welsh	Rincon Consultants	8/18/22 13:05
[1] Received By:		Lisa Fay	EA	8/18/22 13:05
[2] Relinquished By:		Lisa Fay	EA	8/18/22 14:32
[2] Received By:		Lisa Fay	EA	8/18/22 14:32
[3] Relinquished By:		Malcolm Li	EA	8/19/22 15:15
[3] Received By:		KP Davis	EA	8/19/22 0815

467609

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 2 of 2

Turn Around Time (rush by advanced notice only)					
Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
16	CLEAR-SCAF-Z1EB-L4-220818-L	8/18/2022	0940	WP	1			X		Clearance Wipe Samples - Level II Report/Stage 2A Validation Report PCB concentrations on a µg/100cm² basis Report lead concentrations on a µg/ft² basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 1 Enclosure B
17	CLEAR-ENC-Z1EB-L4-220818-P	8/18/2022	0945	WP	1		X			
18	CLEAR-ENC-Z1EB-L4-220818-L	8/18/2022	0945	WP	1			X		
19	~~CLEAR-DOOR-N-0.7GE-PS-16-220818-P-LA~~	~~8/18/2022~~		~~WP~~	~~1~~		~~X~~			
20	CLEAR-DOOR-N-0.7GE-PS-16-220818-L-LA	8/18/2022		WP	1			X		
21	~~CLEAR-SCAF-Z1EB-L3-220818-P~~	~~8/18/2022~~		~~WP~~	~~1~~		~~X~~			
22	~~CLEAR-SCAF-Z1EB-L3-220818-L~~	~~8/18/2022~~		~~WP~~	~~1~~			~~X~~		
23	CLEAR-ENC-Z1EB-L3-220818-P	8/18/2022		WP	1		X			
24	CLEAR-ENC-Z1EB-L3-220818-L	8/18/2022		WP	1			X		
25										
26										
27										
28										
29										
30										

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Donald Welsh	Rincon Consultants, Inc.	8/18/22 13:05
1 Received By:		Lisa Fong	EA	8/18/22 13:05
2 Relinquished By:		Lisa Fong	EA	8/18/22 14:36
2 Received By:		Lisa Fong	EA	8/18/22 14:36
3 Relinquished By:		Madeleine Hip	EA	8/18/22 15:15
3 Received By:		Fedex	EA	8/19/22 0815

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 467609 Client: Rincon

Date Received: 8/18/22 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☑ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 8/18/22 By (print) _____ (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☑ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: _____, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 8/18/22 **By (print)** _____ **(sign)** _____

Date Labeled 8/18/22 **By (print)** _____ **(sign)** _____

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 NTCRA

Date Received: 08/19/22 Sampler's Name Present: ☑ Yes ☑ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.0 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: Greyhound

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.8 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✔
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 8/19/22

1.8 / 5.0

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467609 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-DOOR-N-0.6GW-INT-17 TO 18-220818-P-CB **Batch#:** 295440 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/18/22 **Analysis:** EPA 8082

Lab ID: 467609-001 **Received:** 08/18/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/22/22

Diln Fac: 1.000 **Analyzed:** 08/25/22

467609-001 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467609-001 Surrogate	%REC	Limits
TCMX (PCB)	42 *	52-186
Decachlorobiphenyl (PCB)	55	50-150

Field ID: CLEAR-SCAF-Z1EB-L7-220818-P **Batch#:** 295440 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/18/22 **Analysis:** EPA 8082

Lab ID: 467609-003 **Received:** 08/18/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/22/22

Diln Fac: 1.000 **Analyzed:** 08/25/22

467609-003 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467609-003 Surrogate	%REC	Limits
TCMX (PCB)	37 *	52-186
Decachlorobiphenyl (PCB)	52	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467609 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z1EB-L7-220818-P **Batch#:** 295440 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/18/22 **Analysis:** EPA 8082

Lab ID: 467609-005 **Received:** 08/18/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/22/22

DiIn Fac: 1.000 **Analyzed:** 08/25/22

467609-005 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467609-005 Surrogate	%REC	Limits
TCMX (PCB)	41 *	52-186
Decachlorobiphenyl (PCB)	64	50-150

Field ID: CLEAR-DOOR-N-0.7GE-INT-16 TO 17-220818-P-CB **Batch#:** 295440 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/18/22 **Analysis:** EPA 8082

Lab ID: 467609-007 **Received:** 08/18/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/22/22

DiIn Fac: 1.000 **Analyzed:** 08/25/22

467609-007 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467609-007 Surrogate	%REC	Limits
TCMX (PCB)	46 *	52-186
Decachlorobiphenyl (PCB)	69	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467609 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-SCAF-Z1EB-L4-220818-P **Batch#:** 295440 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/18/22 **Analysis:** EPA 8082

Lab ID: 467609-009 **Received:** 08/18/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/22/22

Diln Fac: 1.000 **Analyzed:** 08/25/22

467609-009 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467609-009 Surrogate	%REC	Limits
TCMX (PCB)	42 *	52-186
Decachlorobiphenyl (PCB)	73	50-150

Field ID: CLEAR-ENC-Z1EB-L4-220818-P **Batch#:** 295440 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/18/22 **Analysis:** EPA 8082

Lab ID: 467609-011 **Received:** 08/18/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 08/22/22

Diln Fac: 1.000 **Analyzed:** 08/25/22

467609-011 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

467609-011 Surrogate	%REC	Limits
TCMX (PCB)	48 *	52-186
Decachlorobiphenyl (PCB)	76	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 467609 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 295440 **Analysis:** EPA 8082

Lab ID: QC1007909 **Prepared:** 08/22/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 08/23/22

DilnFac: 1.000 **Prep:** EPA 3580

QC1007909 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1007909 Surrogate	%REC	Limits
TCMX (PCB)	78	52-186
Decachlorobiphenyl (PCB)	89	60-140

Legend

***:** Value is outside QC limits

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 467609 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 295440 **Analysis:** EPA 8082

Lab ID: QC1007910 **Prepared:** 08/22/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 08/23/22

DiIn Fac: 1.000 **Prep:** EPA 3580

QC1007910 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.743	95	60-140	ug/100 cm2
Aroclor-1260	5.000	4.974	99	60-140	ug/100 cm2

QC1007910 Surrogate	%REC	Limits
TCMX (PCB)	79	52-186
Decachlorobiphenyl (PCB)	93	60-140

Type: BSD **Batch#:** 295440 **Analysis:** EPA 8082

Lab ID: QC1007911 **Prepared:** 08/22/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 08/23/22

DiIn Fac: 1.000 **Prep:** EPA 3580

QC1007911 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.713	94	60-140	ug/100 cm2	1	20
Aroclor-1260	5.000	4.985	100	60-140	ug/100 cm2	0	20

QC1007911 Surrogate	%REC	Limits
TCMX (PCB)	76	52-186
Decachlorobiphenyl (PCB)	91	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Lead

Lab #: 467609 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-DOOR-N-0.6GW-INT-17 TO 18-220818-L-CB **Batch#:** 295414 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/18/22 **Analysis:** EPA 6010B
Lab ID: 467609-002 **Received:** 08/18/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/20/22
Diln Fac: 1.000 **Analyzed:** 08/22/22

467609-002 Analyte	Result	RL	Units
Lead	**21**	0.50	ug/ft2

Field ID: CLEAR-SCAF-Z1EB-L7-220818-L **Batch#:** 295414 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/18/22 **Analysis:** EPA 6010B
Lab ID: 467609-004 **Received:** 08/18/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/20/22
Diln Fac: 1.000 **Analyzed:** 08/22/22

467609-004 Analyte	Result	RL	Units
Lead	**35**	0.50	ug/ft2

Field ID: CLEAR-ENC-Z1EB-L7-220818-L **Batch#:** 295414 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/18/22 **Analysis:** EPA 6010B
Lab ID: 467609-006 **Received:** 08/18/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/20/22
Diln Fac: 1.000 **Analyzed:** 08/22/22

467609-006 Analyte	Result	RL	Units
Lead	**370**	0.50	ug/ft2

Field ID: CLEAR-DOOR-N-0.7GE-INT-16 TO 17-220818-L-CB **Batch#:** 295414 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/18/22 **Analysis:** EPA 6010B
Lab ID: 467609-008 **Received:** 08/18/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/20/22
Diln Fac: 1.000 **Analyzed:** 08/22/22

467609-008 Analyte	Result	RL	Units
Lead	**8.9**	0.50	ug/ft2

Field ID: CLEAR-SCAF-Z1EB-L4-220818-L **Batch#:** 295414 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/18/22 **Analysis:** EPA 6010B
Lab ID: 467609-010 **Received:** 08/18/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/20/22
Diln Fac: 1.000 **Analyzed:** 08/22/22

467609-010 Analyte	Result	RL	Units
Lead	**30**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 467609 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID:	CLEAR-ENC-Z1EB-L4-220818-L	**Batch#:**	295414	**Prep:**	EPA 3050B
Type:	SAMPLE	**Sampled:**	08/18/22	**Analysis:**	EPA 6010B
Lab ID:	467609-012	**Received:**	08/18/22	**Analyst:**	KLN
Matrix:	Wipe	**Prepared:**	08/20/22		
Diln Fac:	1.000	**Analyzed:**	08/22/22		

467609-012 Analyte	Result	RL	Units
Lead	**58**	0.50	ug/ft2

Type:	BLANK	**Batch#:**	295414	**Analysis:**	EPA 6010B
Lab ID:	QC1007797	**Prepared:**	08/20/22	**Analyst:**	KLN
Matrix:	Wipe	**Analyzed:**	08/22/22		
Diln Fac:	1.000	**Prep:**	EPA 3050B		

QC1007797 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 467609 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 295414 **Analysis:** EPA 6010B

Lab ID: QC1007798 **Prepared:** 08/20/22 **Analyst:** KLN

Matrix: Wipe **Analyzed:** 08/22/22

Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1007798 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	104.7	105	80-120	ug/ft2

Type: BSD **Batch#:** 295414 **Analysis:** EPA 6010B

Lab ID: QC1007799 **Prepared:** 08/20/22 **Analyst:** KLN

Matrix: Wipe **Analyzed:** 08/22/22

Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1007799 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	104.5	104	80-120	ug/ft2	0	20

Legend

RPD: Relative Percent Difference

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

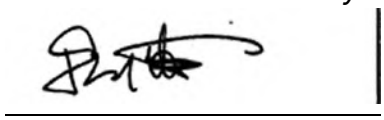
Lab Job Number: 468247
Report Level: II
Report Date: 09/12/2022

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	468247
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	08/30/22

Sample ID	Lab ID	Collected	Matrix
CLEAR-DOOR-N-0.5GE-PS-21-220830-P-G	468247-001	08/30/22 08:33	Wipe
CLEAR-DOOR-N-0.5GE-PS-21-220830-P-DUP-G	468247-002	08/30/22 08:33	Wipe
CLEAR-DOOR-N-0.5GE-PS-21-220830-L-G	468247-003	08/30/22 08:33	Wipe
CLEAR-SCAF-Z1EA-L17-220830-P	468247-004	08/30/22 08:33	Wipe
CLEAR-SCAF-Z1EA-L17-220830-L	468247-005	08/30/22 08:33	Wipe
CLEAR-ENC-Z1EA-L17-220830-P	468247-006	08/30/22 08:33	Wipe
CLEAR-ENC-Z1EA-L17-220830-L	468247-007	08/30/22 08:33	Wipe
CLEAR-DOOR-N-0.4GE-PS-20-220830-P-G	468247-008	08/30/22 09:05	Wipe
CLEAR-DOOR-N-0.4GE-PS-20-220830-L-G	468247-009	08/30/22 09:06	Wipe
CLEAR-SCAF-Z1EA-L14-220830-P	468247-010	08/30/22 09:10	Wipe
CLEAR-SCAF-Z1EA-L14-220830-L	468247-011	08/30/22 09:11	Wipe
CLEAR-ENC-Z1EA-L14-220830-P	468247-012	08/30/22 09:15	Wipe
CLEAR-ENC-Z1EA-L14-220830-L	468247-013	08/30/22 09:16	Wipe
CLEAR-ARCH-C1E-PS-6.5-220830-P-G	468247-014	08/30/22 09:36	Wipe
CLEAR-ARCH-C1E-PS-6.5-220830-L-G	468247-015	08/30/22 09:37	Wipe
CLEAR-SCAF-Z1EA-L12-220830-L	468247-016	08/30/22 09:42	Wipe
CLEAR-SCAF-Z1EA-L12-220830-L-DUP	468247-017	08/30/22 09:45	Wipe
CLEAR-ENC-Z1EA-L12-220830-P	468247-018	08/30/22 09:47	Wipe
CLEAR-ENC-Z1EA-L12-220830-L	468247-019	08/30/22 09:50	Wipe
CLEAR-MEDBLANK-220830-P	468247-020	08/30/22 08:30	Wipe
CLEAR-MEDBLANK-220830-L	468247-021	08/30/22 08:30	Wipe

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	468247
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	08/30/22

Sample ID	Lab ID	Collected	Matrix
CLEAR-SCAF-Z1EA-L12-220830-P	468247-022	08/30/22 09:40	Wipe
CLEAR-AFRAME-C1E-LAT-L3-EXT-1 TO 2-220830-P-WF	468247-023	08/30/22 10:14	Wipe
CLEAR-AFRAME-C1E-LAT-L3-EXT-1 TO 2-220830-L-WF	468247-024	08/30/22 10:15	Wipe
CLEAR-SCAF-Z1EA-L7-220830-P	468247-025	08/30/22 10:19	Wipe
CLEAR-SCAF-Z1EA-L7-220830-L	468247-026	08/30/22 10:20	Wipe
CLEAR-ENC-Z1EA-L7-220830-P	468247-027	08/30/22 10:23	Wipe
CLEAR-ENC-Z1EA-L7-220830-L	468247-028	08/30/22 10:25	Wipe
CLEAR-DOOR-N-0.5GE-INT-16 TO 17-220830-P-CB	468247-029	08/30/22 10:46	Wipe
CLEAR-DOOR-N-0.5GE-INT-16 TO 17-220830-L-CB	468247-030	08/30/22 10:51	Wipe
CLEAR-SCAF-Z1EA-L4-220830-P	468247-031	08/30/22 10:56	Wipe
CLEAR-SCAF-Z1EA-L4-220830-L	468247-032	08/30/22 11:01	Wipe
CLEAR-ENC-Z1EA-L4-220830-P	468247-033	08/30/22 11:06	Wipe
CLEAR-ENC-Z1EA-L4-220830-L	468247-034	08/30/22 11:06	Wipe

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 468247 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 08/30/22

This data package contains sample and QC results for thirty four wipe samples, requested for the above referenced project on 08/31/22. The samples were received cold and intact.

PCBs (EPA 8082):

- Low surrogate recoveries were observed in CLEAR-ARCH-C1E-PS-6.5-220830-P-G (lab # 468247-014) and CLEAR-DOOR-N-0.5GE-INT-16 TO 17-220830-P-CB (lab # 468247-029).
- No other analytical problems were encountered.

Metals (EPA 6010B):

- The interference check standard recovered slightly high for lead in the presence of high concentrations of aluminum. As it relates to these samples, the bias is insignificant; results are flagged "b", but there is no effect on the data quality.
- No analytical problems were encountered.

468247

TG

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID: MK

Page: 1 of ~~35~~

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	CLEAR-DOOR-N-0.5GE-PS-21-220830-P-G	8/30/2022	0833	WP	1		X			**Clearance Wipe Samples - Level II Report**
2	CLEAR-DOOR-N-0.5GE-PS-21-220830-P-DUP-G	8/30/2022	0833	WP	1		X			Report PCB concentrations on a µg/100cm² basis
3	CLEAR-DOOR-N-0.5GE-PS-21-220830-L-G	8/30/2022	0833	WP	1			X		Report lead concentrations on a µg/ft² basis
4	CLEAR-SCAF-Z1EA-L17-220830-P	8/30/2022	0833	WP	1		X			Report Aroclor 1268 concentrations in addition to the standard Aroclors
5	CLEAR-SCAF-Z1EA-L17-220830-L	8/30/2022	0833	WP	1			X		6x Type 2 Rivets = 0.0600ft²
6	CLEAR-ENC-Z1EA-L17-220830-P	8/30/2022	0833	WP	1		X			
7	CLEAR-ENC-Z1EA-L17-220830-L	8/30/2022	0833	WP	1			X		
8	CLEAR-ARCH-C1E-EXT-5 TO 6-220830-P-WF	8/30/2022		WP	1		X			MK
9	CLEAR-ARCH-C1E-EXT-5 TO 6-220830-L-WF	8/30/2022		WP	1			X		MK
10	CLEAR-SCAF-Z1EA-L15-220830-P	8/30/2022		WP	1		X			MK
11	CLEAR-SCAF-Z1EA-L15-220830-L	8/30/2022		WP	1			X		MK
12	CLEAR-ENC-Z1EA-L15-220830-P	8/30/2022		WP	1		X			MK
13	CLEAR-ENC-Z1EA-L15-220830-L	8/30/2022		WP	1			X		MK
14	CLEAR-DOOR-N-0.4GE-PS-20-220830-P-G	8/30/2022	0905	WP	1		X			
15	CLEAR-DOOR-N-0.4GE-PS-20-220830-L-G	8/30/2022	0906	WP	1			X		6x Type 2 Rivets = 0.0600ft²

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Tyler Sinnott	Rincon / Envi. Scientist	8/30/22 / 1325
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	8/30/22 13:25
2 Relinquished By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	8/30/22 16:03
2 Received By:				8/30/22 16:13
3 Relinquished By:				8/30/22 17:31
3 Received By:			EA	8/31/2022 @ 08:40

468247

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 2 of 3/5 MK

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
16	CLEAR-SCAF-Z1EA-L14-220830-P	8/30/2022	0910	WP	1		X			Clearance Wipe Samples - Level II Report Report PCB concentrations on a µg/100cm² basis Report lead concentrations on a µg/ft² basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 1 Enclosure A
17	CLEAR-SCAF-Z1EA-L14-220830-L	8/30/2022	0911	WP	1			X		
18	CLEAR-ENC-Z1EA-L14-220830-P	8/30/2022	0915	WP	1		X			
19	CLEAR-ENC-Z1EA-L14-220830-L	8/30/2022	0916	WP	1			X		
20	~~CLEAR-DOOR-N-0.1GE-EXT-5 TO 6-220830-P-CB~~	~~8/30/2022~~		WP	1		X			MK
21	~~CLEAR-DOOR-N-0.1GE-EXT-5 TO 6-220830-L-CB~~	8/30/2022		WP	1			X		MK
22	~~CLEAR-SCAF-Z1EA-L13-220830-P~~	~~8/30/2022~~		WP	1		X			MK
23	~~CLEAR-SCAF-Z1EA-L13-220830-L~~	8/30/2022		WP	1			X		MK
24	~~CLEAR-ENC-Z1EA-L13-220830-P~~	8/30/2022		WP	1		X			MK
25	~~CLEAR-ENC-Z1EA-L13-220830-L~~	8/30/2022		WP	1			X		MK
26	CLEAR-ARCH-C1E-PS-6.5-220830-P-G	8/30/2022	0936	WP	1		X			
27	CLEAR-ARCH-C1E-PS-6.5-220830-L-G	8/30/2022	0937 MK	WP	1			X		2x Rivet Type 2 = 0.0200ft²
28	~~CLEAR-SCAF-Z1EA-L12-220830-P~~	~~8/30/2022~~	~~0942~~	WP	1		X			MK
29	CLEAR-SCAF-Z1EA-L12-220830-L	8/30/2022	0942	WP	1			X		
30	CLEAR-SCAF-Z1EA-L12-220830-L-DUP	8/30/2022	0945	WP	1			X		

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	[signature]	Tyler Sinnott	Rincon / Envi. Scientist	8/30/22 / 1325
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	8/30/22 13:25
2 Relinquished By:	Audrey Hudson	"	"	8/30/22 16:13
2 Received By:	[signature]	[illegible]	[illegible]	8/30/22 16:13
3 Relinquished By:	[signature]	[illegible]	[illegible]	8/31/22 12:31
3 Received By:	[signature]	Jennifer	[illegible]	8/31/22 0830

468247

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID: MK

Page: 3 of 5

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
31	CLEAR-ENC-Z1EA-L12-220830-P	8/30/2022	0947	WP	1		X			Clearance Wipe Samples - Level II Report Report PCB concentrations on a µg/100cm² basis Report lead concentrations on a µg/ft² basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 1 Enclosure A
32	CLEAR-ENC-Z1EA-L12-220830-L	8/30/2022	0950	WP	1			X		
33	~~CLEAR-DOOR-N-0.2GE-PS-19-220830-P-G~~	~~8/30/2022~~		~~WP~~	~~1~~		~~X~~			MK
34	~~CLEAR-DOOR-N-0.2GE-PS-19-220830-L-G~~	~~8/30/2022~~		~~WP~~	~~1~~			~~X~~		MK
35	~~CLEAR-SCAF-Z1EA-L11-220830-P~~	~~8/30/2022~~		~~WP~~	~~1~~		~~X~~			MK
36	~~CLEAR-SCAF-Z1EA-L11-220830-L~~	8/30/2022		WP	1			X		MK
37	~~CLEAR-ENC-Z1EA-L11-220830-P~~	8/30/2022		WP	1		X			MK
38	~~CLEAR-ENC-Z1EA-L11-220830-L~~	8/30/2022		WP	1			X		MK
39	CLEAR-MEDBLANK-220830-P	8/30/2022	0830	WP	1		X			
40	CLEAR-MEDBLANK-220830-L	8/30/2022	0830	WP	1			X		
41	CLEAR-SCAF-Z1EA-L12-220830-P	8/30/22	0940	WP	1		X			
42										
43										
44										
45										

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	J Kleinfelter	Tyler Sinnott	Rincon / Envi. Scientist	8/30/22 / 1325
[1] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	8/30/22 13:25
[2] Relinquished By:	Audrey Hudson	"	"	8/30/22 16:13
[2] Received By:		Janitza Hernandez	BA	8/30/22 16:13
				8/30/22 17:31
		Janitza	BA	8/31/2022 08:40

468247

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID: NK

Page: 4 of 5 MK

Turn Around Time (rush by advanced notice only)					
Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
16	~~CLEAR-SCAF-Z1EA-L9-220830-L~~	~~8/30/2022~~		WP	1			X		**Clearance Wipe Samples - Level II Report**
17	~~CLEAR-ENC-Z1EA-L9-220830-P~~	~~8/30/2022~~		WP	1		X			Report PCB concentrations on a µg/100cm² basis
18	~~CLEAR-ENC-Z1EA-L9-220830-L~~	~~8/30/2022~~		WP	1			X		Report lead concentrations on a µg/ft² basis
19	CLEAR-AFRAME-C1E-LAT-L3-EXT-1 TO 2-220830-P-WF	8/30/2022	1014	WP	1		X			Report Aroclor 1268 concentrations in addition to the standard Aroclors
20	CLEAR-AFRAME-C1E-LAT-L3-EXT-1 TO 2-220830-L-WF	8/30/2022	1015	WP	1			X		
21	CLEAR-SCAF-Z1EA-L7-220830-P	8/30/2022	1019	WP	1		X			Wipe samples collected from Zone 1 Enclosure A
22	CLEAR-SCAF-Z1EA-L7-220830-L	8/30/2022	1020	WP	1			X		
23	CLEAR-ENC-Z1EA-L7-220830-P	8/30/2022	1023	WP	1		X			
24	CLEAR-ENC-Z1EA-L7-220830-L	8/30/2022	1025	WP	1			X		
25	~~CLEAR-DOOR-N-0.5GE-EXT-3 TO 4-220830-P-CB~~	~~8/30/2022~~		WP	1		X			
26	~~CLEAR-DOOR-N-0.5GE-EXT-3 TO 4-220830-L-CB~~	~~8/30/2022~~		WP	1			X		
27	~~CLEAR-SCAF-Z1EA-L6-220830-P~~	~~8/30/2022~~		WP	1		X			
28	CLEAR-SCAF-Z1EA-L6-220830-L	8/30/2022		WP	1			X		
29	~~CLEAR-ENC-Z1EA-L6-220830-P~~	~~8/30/2022~~		WP	1		X			
30	CLEAR-ENC-Z1EA-L6-220830-L	8/30/2022		WP	1			X		

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Tyler Sinnott	Rincon/Envi. Scientist	8/30/22 1325
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	8/30/22 13:25
2 Relinquished By:	Audrey Hudson	"	"	8/30/22 16:13
2 Received By:				8/30/22 16:18
3 Relinquished By:				8/30/22 17:31
3 Received By:				8/31/2022 @ 0840

468247

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID: Page: 5 of 5

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
31	CLEAR-DOOR-N-0.5GE-INT-16 TO 17-220830-P-CB	8/30/2022	1046	WP	1		X		
32	CLEAR-DOOR-N-0.5GE-INT-16 TO 17-220830-L-CB	8/30/2022	1051	WP	1			X	
33	CLEAR-SCAF-Z1EA-L4-220830-P	8/30/2022	1056	WP	1		X		
34	CLEAR-SCAF-Z1EA-L4-220830-L	8/30/2022	1101	WP	1			X	
35	CLEAR-ENC-Z1EA-L4-220830-P	8/30/2022	1106	WP	1		X		
36	CLEAR-ENC-Z1EA-L4-220830-L	8/30/2022	1106	WP	1			X	
37	~~CLEAR-DOOR-N-0.1GE-DG-2 TO 16-220830-P-LA~~	~~8/30/2022~~		WP	1		X		
38	~~CLEAR-DOOR-N-0.1GE-DG-2 TO 16-220830-L-LA~~	~~8/30/2022~~		WP	1			X	
39	~~CLEAR-SCAF-Z1EA-L2-220830-P~~	~~8/30/2022~~		WP	1		X		
40	CLEAR-SCAF-Z1EA-L2-220830-L	8/30/2022		WP	1			X	
41	~~CLEAR-ENC-Z1EA-L2-220830-P~~	~~8/30/2022~~		WP	1		X		
42	~~CLEAR-ENC-Z1EA-L2-220830-L~~	~~8/30/2022~~		WP	1			X	
43									
44									
45									

Analysis Request

Test Instructions / Comments

Clearance Wipe Samples - Level II Report

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 1 Enclosure A

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	T Sinnott	Tyler Sinnott	Rincon / Envi. Scientist	8/30/22 1325
1 Received By:	Audrey Hudson	Audrey Hudson	Enthalpy "	8/30/22 13:25
2 Relinquished By:	Audrey Hudson	"	"	8/30/22 16:13
2 Received By:				8/30/22 16:18
3 Relinquished By:				8/30/22 17:31
3 Received By:		Jennifer		8/31/2022 08:40 am

WR 8/31 @08:40 am

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 468247 Client: Ronson

Date Received: 8/30/22 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☑ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 8/30/22 By (print) MM (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☐ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☑ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☐ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: _____, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 8/30/22 **By (print)** MM **(sign)** _____

Date Labeled 8/30/22 **By (print)** MM **(sign)** _____

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants, Inc. Project: Hangar 1 - NCTRA WP / 1C8 Cody Road, Mountain View CA

Date Received: 8/31/2022 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.8 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: Greyhound

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☑ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.1 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____ ☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: yanira Date: 8/31/2022

@ 08:40

S/ 3.8 C/ 1-1

Cover #12

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 468247 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-DOOR-N-0.5GE-PS-21-220830-P-G **Batch#:** 296531 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/30/22 **Analysis:** EPA 8082

Lab ID: 468247-001 **Received:** 08/30/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 09/08/22

DiIn Fac: 1.000 **Analyzed:** 09/09/22

468247-001 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

468247-001 Surrogate	%REC	Limits
TCMX (PCB)	56	52-186
Decachlorobiphenyl (PCB)	52	50-150

Field ID: CLEAR-DOOR-N-0.5GE-PS-21-220830-P-DUP-G **Batch#:** 296531 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/30/22 **Analysis:** EPA 8082

Lab ID: 468247-002 **Received:** 08/30/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 09/08/22

DiIn Fac: 1.000 **Analyzed:** 09/12/22

468247-002 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

468247-002 Surrogate	%REC	Limits
TCMX (PCB)	65	52-186
Decachlorobiphenyl (PCB)	61	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 468247 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-SCAF-Z1EA-L17-220830-P **Batch#:** 296531 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/30/22 **Analysis:** EPA 8082

Lab ID: 468247-004 **Received:** 08/30/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 09/08/22

Diln Fac: 1.000 **Analyzed:** 09/09/22

468247-004 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

468247-004 Surrogate	%REC	Limits
TCMX (PCB)	60	52-186
Decachlorobiphenyl (PCB)	50	50-150

Field ID: CLEAR-ENC-Z1EA-L17-220830-P **Batch#:** 296531 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/30/22 **Analysis:** EPA 8082

Lab ID: 468247-006 **Received:** 08/30/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 09/08/22

Diln Fac: 1.000 **Analyzed:** 09/12/22

468247-006 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

468247-006 Surrogate	%REC	Limits
TCMX (PCB)	60	52-186
Decachlorobiphenyl (PCB)	55	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 468247 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-DOOR-N-0.4GE-PS-20-220830-P-G **Batch#:** 296531 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/30/22 **Analysis:** EPA 8082

Lab ID: 468247-008 **Received:** 08/30/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 09/08/22

DiIn Fac: 1.000 **Analyzed:** 09/09/22

468247-008 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

468247-008 Surrogate	%REC	Limits
TCMX (PCB)	54	52-186
Decachlorobiphenyl (PCB)	53	50-150

Field ID: CLEAR-SCAF-Z1EA-L14-220830-P **Batch#:** 296531 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/30/22 **Analysis:** EPA 8082

Lab ID: 468247-010 **Received:** 08/30/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 09/08/22

DiIn Fac: 1.000 **Analyzed:** 09/09/22

468247-010 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

468247-010 Surrogate	%REC	Limits
TCMX (PCB)	58	52-186
Decachlorobiphenyl (PCB)	51	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 468247 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z1EA-L14-220830-P **Batch#:** 296531 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/30/22 **Analysis:** EPA 8082

Lab ID: 468247-012 **Received:** 08/30/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 09/08/22

Diln Fac: 1.000 **Analyzed:** 09/12/22

468247-012 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

468247-012 Surrogate	%REC	Limits
TCMX (PCB)	65	52-186
Decachlorobiphenyl (PCB)	59	50-150

Field ID: CLEAR-ARCH-C1E-PS-6.5-220830-P-G **Batch#:** 296531 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/30/22 **Analysis:** EPA 8082

Lab ID: 468247-014 **Received:** 08/30/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 09/08/22

Diln Fac: 1.000 **Analyzed:** 09/12/22

468247-014 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

468247-014 Surrogate	%REC	Limits
TCMX (PCB)	26 *	52-186
Decachlorobiphenyl (PCB)	27 *	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 468247 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z1EA-L12-220830-P **Batch#:** 296531 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/30/22 **Analysis:** EPA 8082

Lab ID: 468247-018 **Received:** 08/30/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 09/08/22

Diln Fac: 1.000 **Analyzed:** 09/12/22

468247-018 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

468247-018 Surrogate	%REC	Limits
TCMX (PCB)	65	52-186
Decachlorobiphenyl (PCB)	61	50-150

Field ID: CLEAR-MEDBLANK-220830-P **Batch#:** 296531 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/30/22 **Analysis:** EPA 8082

Lab ID: 468247-020 **Received:** 08/30/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 09/08/22

Diln Fac: 1.000 **Analyzed:** 09/12/22

468247-020 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

468247-020 Surrogate	%REC	Limits
TCMX (PCB)	60	52-186
Decachlorobiphenyl (PCB)	59	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 468247 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-SCAF-Z1EA-L12-220830-P **Batch#:** 296531 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/30/22 **Analysis:** EPA 8082

Lab ID: 468247-022 **Received:** 08/30/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 09/08/22

Diln Fac: 1.000 **Analyzed:** 09/12/22

468247-022 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

468247-022 Surrogate	%REC	Limits
TCMX (PCB)	61	52-186
Decachlorobiphenyl (PCB)	58	50-150

Field ID: CLEAR-AFRAME-C1E-LAT-L3-EXT-1 TO 2-220830-P-WF **Batch#:** 296531 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/30/22 **Analysis:** EPA 8082

Lab ID: 468247-023 **Received:** 08/30/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 09/08/22

Diln Fac: 1.000 **Analyzed:** 09/12/22

468247-023 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

468247-023 Surrogate	%REC	Limits
TCMX (PCB)	63	52-186
Decachlorobiphenyl (PCB)	60	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 468247 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-SCAF-Z1EA-L7-220830-P **Batch#:** 296531 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/30/22 **Analysis:** EPA 8082

Lab ID: 468247-025 **Received:** 08/30/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 09/08/22

Diln Fac: 1.000 **Analyzed:** 09/09/22

468247-025 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

468247-025 Surrogate	%REC	Limits
TCMX (PCB)	61	52-186
Decachlorobiphenyl (PCB)	52	50-150

Field ID: CLEAR-ENC-Z1EA-L7-220830-P **Batch#:** 296531 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/30/22 **Analysis:** EPA 8082

Lab ID: 468247-027 **Received:** 08/30/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 09/08/22

Diln Fac: 1.000 **Analyzed:** 09/12/22

468247-027 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

468247-027 Surrogate	%REC	Limits
TCMX (PCB)	59	52-186
Decachlorobiphenyl (PCB)	58	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 468247 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-DOOR-N-0.5GE-INT-16 TO 17-220830-P-CB **Batch#:** 296531 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/30/22 **Analysis:** EPA 8082

Lab ID: 468247-029 **Received:** 08/30/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 09/08/22

Diln Fac: 1.000 **Analyzed:** 09/12/22

468247-029 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

468247-029 Surrogate	%REC	Limits
TCMX (PCB)	19 *	52-186
Decachlorobiphenyl (PCB)	19 *	50-150

Field ID: CLEAR-SCAF-Z1EA-L4-220830-P **Batch#:** 296531 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/30/22 **Analysis:** EPA 8082

Lab ID: 468247-031 **Received:** 08/30/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 09/08/22

Diln Fac: 1.000 **Analyzed:** 09/10/22

468247-031 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

468247-031 Surrogate	%REC	Limits
TCMX (PCB)	61	52-186
Decachlorobiphenyl (PCB)	54	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 468247 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z1EA-L4-220830-P **Batch#:** 296531 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 08/30/22 **Analysis:** EPA 8082

Lab ID: 468247-033 **Received:** 08/30/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 09/08/22

Diln Fac: 1.000 **Analyzed:** 09/10/22

468247-033 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

468247-033 Surrogate	%REC	Limits
TCMX (PCB)	62	52-186
Decachlorobiphenyl (PCB)	50	50-150

Type: BLANK **Batch#:** 296531 **Analysis:** EPA 8082

Lab ID: QC1011503 **Prepared:** 09/08/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 09/09/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1011503 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1011503 Surrogate	%REC	Limits
TCMX (PCB)	73	52-186
Decachlorobiphenyl (PCB)	63	60-140

Legend

***:** Value is outside QC limits

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 468247 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 296531 **Analysis:** EPA 8082

Lab ID: QC1011504 **Prepared:** 09/08/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 09/09/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1011504 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	3.627	73	60-140	ug/100 cm2
Aroclor-1260	5.000	3.542	71	60-140	ug/100 cm2

QC1011504 Surrogate	%REC	Limits
TCMX (PCB)	78	52-186
Decachlorobiphenyl (PCB)	66	60-140

Type: BSD **Batch#:** 296531 **Analysis:** EPA 8082

Lab ID: QC1011505 **Prepared:** 09/08/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 09/09/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1011505 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	3.530	71	60-140	ug/100 cm2	3	20
Aroclor-1260	5.000	3.520	70	60-140	ug/100 cm2	1	20

QC1011505 Surrogate	%REC	Limits
TCMX (PCB)	68	52-186
Decachlorobiphenyl (PCB)	61	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Lead

Lab #: 468247 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-DOOR-N-0.5GE-PS-21-220830-L-G **Batch#:** 296097 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/30/22 **Analysis:** EPA 6010B
Lab ID: 468247-003 **Received:** 08/30/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/31/22
Dil n Fac: 1.000 **Analyzed:** 09/01/22

468247-003 Analyte	Result	RL	Units	Qual
Lead	**31**	0.47	ug/ft2	b

Field ID: CLEAR-SCAF-Z1EA-L17-220830-L **Batch#:** 296097 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/30/22 **Analysis:** EPA 6010B
Lab ID: 468247-005 **Received:** 08/30/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/31/22
Dil n Fac: 1.000 **Analyzed:** 09/01/22

468247-005 Analyte	Result	RL	Units
Lead	**49**	0.50	ug/ft2

Field ID: CLEAR-ENC-Z1EA-L17-220830-L **Batch#:** 296097 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/30/22 **Analysis:** EPA 6010B
Lab ID: 468247-007 **Received:** 08/30/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/31/22
Dil n Fac: 1.000 **Analyzed:** 09/01/22

468247-007 Analyte	Result	RL	Units
Lead	**50**	0.50	ug/ft2

Field ID: CLEAR-DOOR-N-0.4GE-PS-20-220830-L-G **Batch#:** 296097 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/30/22 **Analysis:** EPA 6010B
Lab ID: 468247-009 **Received:** 08/30/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/31/22
Dil n Fac: 1.000 **Analyzed:** 09/01/22

468247-009 Analyte	Result	RL	Units
Lead	**4.6**	0.47	ug/ft2

Field ID: CLEAR-SCAF-Z1EA-L14-220830-L **Batch#:** 296097 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/30/22 **Analysis:** EPA 6010B
Lab ID: 468247-011 **Received:** 08/30/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/31/22
Dil n Fac: 1.000 **Analyzed:** 09/01/22

468247-011 Analyte	Result	RL	Units
Lead	**23**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 468247 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z1EA-L14-220830-L **Batch#:** 296097 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/30/22 **Analysis:** EPA 6010B
Lab ID: 468247-013 **Received:** 08/30/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/31/22
Diln Fac: 1.000 **Analyzed:** 09/01/22

468247-013 Analyte	Result	RL	Units
Lead	**5.5**	0.50	ug/ft2

Field ID: CLEAR-ARCH-C1E-PS-6.5-220830-L-G **Batch#:** 296097 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/30/22 **Analysis:** EPA 6010B
Lab ID: 468247-015 **Received:** 08/30/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/31/22
Diln Fac: 1.000 **Analyzed:** 09/01/22

468247-015 Analyte	Result	RL	Units
Lead	**9.1**	0.49	ug/ft2

Field ID: CLEAR-SCAF-Z1EA-L12-220830-L **Batch#:** 296097 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/30/22 **Analysis:** EPA 6010B
Lab ID: 468247-016 **Received:** 08/30/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/31/22
Diln Fac: 1.000 **Analyzed:** 09/01/22

468247-016 Analyte	Result	RL	Units
Lead	**51**	0.50	ug/ft2

Field ID: CLEAR-SCAF-Z1EA-L12-220830-L-DUP **Batch#:** 296097 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/30/22 **Analysis:** EPA 6010B
Lab ID: 468247-017 **Received:** 08/30/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/31/22
Diln Fac: 1.000 **Analyzed:** 09/01/22

468247-017 Analyte	Result	RL	Units
Lead	**360**	0.50	ug/ft2

Field ID: CLEAR-ENC-Z1EA-L12-220830-L **Batch#:** 296097 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/30/22 **Analysis:** EPA 6010B
Lab ID: 468247-019 **Received:** 08/30/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/31/22
Diln Fac: 1.000 **Analyzed:** 09/01/22

468247-019 Analyte	Result	RL	Units
Lead	**100**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 468247 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-MEDBLANK-220830-L **Batch#:** 296097 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/30/22 **Analysis:** EPA 6010B
Lab ID: 468247-021 **Received:** 08/30/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/31/22
Diln Fac: 1.000 **Analyzed:** 09/01/22

468247-021 Analyte	Result	RL	Units
Lead	**5.0**	0.50	ug/ft2

Field ID: CLEAR-AFRAME-C1E-LAT-L3-EXT-1 TO 2-220830-L-WF **Batch#:** 296097 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/30/22 **Analysis:** EPA 6010B
Lab ID: 468247-024 **Received:** 08/30/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/31/22
Diln Fac: 1.000 **Analyzed:** 09/01/22

468247-024 Analyte	Result	RL	Units
Lead	**40**	0.50	ug/ft2

Field ID: CLEAR-SCAF-Z1EA-L7-220830-L **Batch#:** 296097 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/30/22 **Analysis:** EPA 6010B
Lab ID: 468247-026 **Received:** 08/30/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/31/22
Diln Fac: 1.000 **Analyzed:** 09/01/22

468247-026 Analyte	Result	RL	Units
Lead	**63**	0.50	ug/ft2

Field ID: CLEAR-ENC-Z1EA-L7-220830-L **Batch#:** 296097 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/30/22 **Analysis:** EPA 6010B
Lab ID: 468247-028 **Received:** 08/30/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/31/22
Diln Fac: 1.000 **Analyzed:** 09/01/22

468247-028 Analyte	Result	RL	Units
Lead	**45**	0.50	ug/ft2

Field ID: CLEAR-DOOR-N-0.5GE-INT-16 TO 17-220830-L-CB **Batch#:** 296097 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/30/22 **Analysis:** EPA 6010B
Lab ID: 468247-030 **Received:** 08/30/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/31/22
Diln Fac: 1.000 **Analyzed:** 09/01/22

468247-030 Analyte	Result	RL	Units
Lead	**11**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 468247 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-SCAF-Z1EA-L4-220830-L **Batch#:** 296097 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/30/22 **Analysis:** EPA 6010B
Lab ID: 468247-032 **Received:** 08/30/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/31/22
Diln Fac: 1.000 **Analyzed:** 09/01/22

468247-032 Analyte	Result	RL	Units	Qual
Lead	**69**	0.50	ug/ft2	b

Field ID: CLEAR-ENC-Z1EA-L4-220830-L **Batch#:** 296097 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/30/22 **Analysis:** EPA 6010B
Lab ID: 468247-034 **Received:** 08/30/22 **Analyst:** KLN
Matrix: Wipe **Prepared:** 08/31/22
Diln Fac: 1.000 **Analyzed:** 09/01/22

468247-034 Analyte	Result	RL	Units
Lead	**19**	0.50	ug/ft2

Type: BLANK **Batch#:** 296097 **Analysis:** EPA 6010B
Lab ID: QC1010022 **Prepared:** 08/31/22 **Analyst:** KLN
Matrix: Wipe **Analyzed:** 09/01/22
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1010022 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit
b: See narrative

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 468247 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 296097 **Analysis:** EPA 6010B

Lab ID: QC1010024 **Prepared:** 08/31/22 **Analyst:** KLN

Matrix: Wipe **Analyzed:** 09/01/22

Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1010024 Analyte	Spiked	Result	%REC	Limits	Units	Qual
Lead	100.0	100.3	100	80-120	ug/ft2	b

Type: BSD **Batch#:** 296097 **Analysis:** EPA 6010B

Lab ID: QC1010025 **Prepared:** 08/31/22 **Analyst:** KLN

Matrix: Wipe **Analyzed:** 09/01/22

Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1010025 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim	Qual
Lead	100.0	99.24	99	80-120	ug/ft2	1	20	b

Legend

RPD: Relative Percent Difference

b: See narrative